




| Unnamed tributary   |                            | co-1103-r-014  | Sedimentation Risk Index<br><b>46</b> |         |                  |                   |        |                  |     |                 |                    |         |                    |                     |     |                |                         |                      |                   |                        |               |               |                        |               |   |                              |                      |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
|---|----------------------------|--|---------------------------------------|---------|------------------|-------------------|--------|------------------|-----|-----------------|--------------------|---------|--------------------|---------------------|-----|----------------|-------------------------|----------------------|-------------------|------------------------|---------------|---------------|------------------------|---------------|---|------------------------------|----------------------|---|---------------------|--------|---|---------------|-------|---|--------------------|-----------|---|--------------------|-----------|---|-------------------|-----------|---|-------------------|-----------|---|----------------------|-----------|---|----------------------|-----------|---|---------------------|-----------|---|---------------------|-----------|---|--------------|------------------------|---|---------------|----------------------------|---|------------------|-----------------|-----------|---|--|
| <u>Common:</u> 5.0mi NE of Opp<br><u>Drainage:</u> Pond Creek <u>GPS:</u> 31.345344991,-86.213353168<br><u>Land owner:</u> Couis Cain   |                            | <u>County:</u> Covington <u>State:</u> Alabama<br><u>PLSS (T-R-S):</u> 4N-18E-2<br><u>Parcel No.:</u> 4<br><u>Road Name:</u> Piney Grove 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>US Channel Morph</td><td>DA</td><td>3</td></tr> <tr><td>DS Channel Morph</td><td>DA</td><td>3</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>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>21-40 y<sup>3</sup></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>46</b></td></tr> </tbody> </table> |                            | Risk Factor  | Ranking                               | Score   | US Channel Morph | DA                | 3      | DS Channel Morph | DA  | 3               | DS Bank Alteration | NATURAL | 5                  | 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 y <sup>3</sup> | 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>46</b> |  |  |
| Risk Factor   | Ranking                    | Score  |                                       |         |                  |                   |        |                  |     |                 |                    |         |                    |                     |     |                |                         |                      |                   |                        |               |               |                        |               |   |                              |                      |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| US Channel Morph  | DA                         | 3  |                                       |         |                  |                   |        |                  |     |                 |                    |         |                    |                     |     |                |                         |                      |                   |                        |               |               |                        |               |   |                              |                      |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| DS Channel Morph  | DA                         | 3  |                                       |         |                  |                   |        |                  |     |                 |                    |         |                    |                     |     |                |                         |                      |                   |                        |               |               |                        |               |   |                              |                      |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| DS Bank Alteration  | NATURAL                    | 5  |                                       |         |                  |                   |        |                  |     |                 |                    |         |                    |                     |     |                |                         |                      |                   |                        |               |               |                        |               |   |                              |                      |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| 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 y <sup>3</sup>       | 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>46</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> MBA,OrB,OrC,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/>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   |                            |  |                                       |         |                  |                   |        |                  |     |                 |                    |         |                    |                     |     |                |                         |                      |                   |                        |               |               |                        |               |   |                              |                      |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
|   |                            |  |                                       |         |                  |                   |        |                  |     |                 |                    |         |                    |                     |     |                |                         |                      |                   |                        |               |               |                        |               |   |                              |                      |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
|   |                            |  |                                       |         |                  |                   |        |                  |     |                 |                    |         |                    |                     |     |                |                         |                      |                   |                        |               |               |                        |               |   |                              |                      |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
|   |                            |  |                                       |         |                  |                   |        |                  |     |                 |                    |         |                    |                     |     |                |                         |                      |                   |                        |               |               |                        |               |   |                              |                      |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
|   |                            |  |                                       |         |                  |                   |        |                  |     |                 |                    |         |                    |                     |     |                |                         |                      |                   |                        |               |               |                        |               |   |                              |                      |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
|   |                            |  |                                       |         |                  |                   |        |                  |     |                 |                    |         |                    |                     |     |                |                         |                      |                   |                        |               |               |                        |               |   |                              |                      |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
|   |                            |  |                                       |         |                  |                   |        |                  |     |                 |                    |         |                    |                     |     |                |                         |                      |                   |                        |               |               |                        |               |   |                              |                      |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |