




| Unnamed tributary  |                                    | co-0904-r-015  | Sedimentation Risk Index<br><b>36</b> |         |                  |                   |        |                  |     |                 |                    |      |                    |                     |      |                |                         |                      |                   |                        |                      |               |                        |               |   |                              |                    |   |                     |        |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |         |   |                      |         |   |                     |           |   |                     |           |   |              |                        |   |               |                                    |   |                  |                  |           |   |  |
|--|------------------------------------|--|---------------------------------------|---------|------------------|-------------------|--------|------------------|-----|-----------------|--------------------|------|--------------------|---------------------|------|----------------|-------------------------|----------------------|-------------------|------------------------|----------------------|---------------|------------------------|---------------|---|------------------------------|--------------------|---|---------------------|--------|---|---------------|-----------|---|--------------------|-----------|---|--------------------|-----------|---|-------------------|-----------|---|-------------------|-----------|---|----------------------|---------|---|----------------------|---------|---|---------------------|-----------|---|---------------------|-----------|---|--------------|------------------------|---|---------------|------------------------------------|---|------------------|------------------|-----------|---|--|
| <u>Common:</u> 6.1mi SE of Andalusia<br><u>Drainage:</u> Anderson Branch <i>GPS:</i> 31.264062340, -86.394527585<br><u>Land owner:</u> Roy & Debbie -US, James & Mertha Carter -DS   |                                    | <u>County:</u> Covington <u>State:</u> Alabama<br><u>PLSS (T-R-S):</u> 4N-17E-31/3N-17E-6<br><u>Parcel No.:</u> 8;4<br><u>Road Name:</u> Cotton House Rd   |                                       |         |                  |                   |        |                  |     |                 |                    |      |                    |                     |      |                |                         |                      |                   |                        |                      |               |                        |               |   |                              |                    |   |                     |        |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |         |   |                      |         |   |                     |           |   |                     |           |   |              |                        |   |               |                                    |   |                  |                  |           |   |  |
|   |                                    |    |                                       |         |                  |                   |        |                  |     |                 |                    |      |                    |                     |      |                |                         |                      |                   |                        |                      |               |                        |               |   |                              |                    |   |                     |        |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |         |   |                      |         |   |                     |           |   |                     |           |   |              |                        |   |               |                                    |   |                  |                  |           |   |  |
| Crossing Structure: DS   |                                    | 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>PONDED</td><td>1</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>Fair/Rip Rap</td><td>3</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>&lt;21 y<sup>3</sup></td><td>5</td></tr> <tr><td>Approach Slope Mean</td><td>2.1-4%</td><td>3</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>Rip Rap</td><td>1</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>Improved Outlet System</td><td>5</td></tr> <tr><td>Ditches Total</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>36</b></td></tr> </tbody> </table> |                                    | Risk Factor  | Ranking                               | Score   | US Channel Morph | PONDED            | 1      | DS Channel Morph | E   | 5               | DS Bank Alteration | HIGH | 1                  | Upstream Skew Angle | >30° | 1              | Crossing fill condition | Fair/Rip Rap         | 3                 | Inlet/Outlet Condition | Sed Islands/Scouring | 3             | Road Approach Material | All Sand/Clay | 3 | Potential Eroded Volume Mean | <21 y <sup>3</sup> | 5 | Approach Slope Mean | 2.1-4% | 3 | 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 | Rip Rap | 1 | Downstream Lt Outlet | Rip Rap | 1 | Downstream Rt Ditch | Bare soil | 0 | Downstream Lt Ditch | Bare soil | 0 | Outlet Total | Improved Outlet System | 5 | Ditches Total | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>High Risk</b> | <b>36</b> |  |  |
| Risk Factor  | Ranking                            | Score  |                                       |         |                  |                   |        |                  |     |                 |                    |      |                    |                     |      |                |                         |                      |                   |                        |                      |               |                        |               |   |                              |                    |   |                     |        |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |         |   |                      |         |   |                     |           |   |                     |           |   |              |                        |   |               |                                    |   |                  |                  |           |   |  |
| US Channel Morph   | PONDED                             | 1  |                                       |         |                  |                   |        |                  |     |                 |                    |      |                    |                     |      |                |                         |                      |                   |                        |                      |               |                        |               |   |                              |                    |   |                     |        |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |         |   |                      |         |   |                     |           |   |                     |           |   |              |                        |   |               |                                    |   |                  |                  |           |   |  |
| DS Channel Morph   | E                                  | 5  |                                       |         |                  |                   |        |                  |     |                 |                    |      |                    |                     |      |                |                         |                      |                   |                        |                      |               |                        |               |   |                              |                    |   |                     |        |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |         |   |                      |         |   |                     |           |   |                     |           |   |              |                        |   |               |                                    |   |                  |                  |           |   |  |
| DS Bank Alteration   | HIGH                               | 1  |                                       |         |                  |                   |        |                  |     |                 |                    |      |                    |                     |      |                |                         |                      |                   |                        |                      |               |                        |               |   |                              |                    |   |                     |        |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |         |   |                      |         |   |                     |           |   |                     |           |   |              |                        |   |               |                                    |   |                  |                  |           |   |  |
| Upstream Skew Angle  | >30°                               | 1  |                                       |         |                  |                   |        |                  |     |                 |                    |      |                    |                     |      |                |                         |                      |                   |                        |                      |               |                        |               |   |                              |                    |   |                     |        |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |         |   |                      |         |   |                     |           |   |                     |           |   |              |                        |   |               |                                    |   |                  |                  |           |   |  |
| Crossing fill condition  | Fair/Rip Rap                       | 3  |                                       |         |                  |                   |        |                  |     |                 |                    |      |                    |                     |      |                |                         |                      |                   |                        |                      |               |                        |               |   |                              |                    |   |                     |        |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |         |   |                      |         |   |                     |           |   |                     |           |   |              |                        |   |               |                                    |   |                  |                  |           |   |  |
| Inlet/Outlet Condition   | Sed Islands/Scouring               | 3  |                                       |         |                  |                   |        |                  |     |                 |                    |      |                    |                     |      |                |                         |                      |                   |                        |                      |               |                        |               |   |                              |                    |   |                     |        |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |         |   |                      |         |   |                     |           |   |                     |           |   |              |                        |   |               |                                    |   |                  |                  |           |   |  |
| Road Approach Material   | All Sand/Clay                      | 3  |                                       |         |                  |                   |        |                  |     |                 |                    |      |                    |                     |      |                |                         |                      |                   |                        |                      |               |                        |               |   |                              |                    |   |                     |        |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |         |   |                      |         |   |                     |           |   |                     |           |   |              |                        |   |               |                                    |   |                  |                  |           |   |  |
| Potential Eroded Volume Mean   | <21 y <sup>3</sup>                 | 5  |                                       |         |                  |                   |        |                  |     |                 |                    |      |                    |                     |      |                |                         |                      |                   |                        |                      |               |                        |               |   |                              |                    |   |                     |        |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |         |   |                      |         |   |                     |           |   |                     |           |   |              |                        |   |               |                                    |   |                  |                  |           |   |  |
| Approach Slope Mean  | 2.1-4%                             | 3  |                                       |         |                  |                   |        |                  |     |                 |                    |      |                    |                     |      |                |                         |                      |                   |                        |                      |               |                        |               |   |                              |                    |   |                     |        |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |         |   |                      |         |   |                     |           |   |                     |           |   |              |                        |   |               |                                    |   |                  |                  |           |   |  |
| 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   | Rip Rap                            | 1  |                                       |         |                  |                   |        |                  |     |                 |                    |      |                    |                     |      |                |                         |                      |                   |                        |                      |               |                        |               |   |                              |                    |   |                     |        |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |         |   |                      |         |   |                     |           |   |                     |           |   |              |                        |   |               |                                    |   |                  |                  |           |   |  |
| Downstream Lt Outlet   | Rip Rap                            | 1  |                                       |         |                  |                   |        |                  |     |                 |                    |      |                    |                     |      |                |                         |                      |                   |                        |                      |               |                        |               |   |                              |                    |   |                     |        |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |         |   |                      |         |   |                     |           |   |                     |           |   |              |                        |   |               |                                    |   |                  |                  |           |   |  |
| Downstream Rt Ditch  | Bare soil                          | 0  |                                       |         |                  |                   |        |                  |     |                 |                    |      |                    |                     |      |                |                         |                      |                   |                        |                      |               |                        |               |   |                              |                    |   |                     |        |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |         |   |                      |         |   |                     |           |   |                     |           |   |              |                        |   |               |                                    |   |                  |                  |           |   |  |
| Downstream Lt Ditch  | Bare soil                          | 0  |                                       |         |                  |                   |        |                  |     |                 |                    |      |                    |                     |      |                |                         |                      |                   |                        |                      |               |                        |               |   |                              |                    |   |                     |        |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |         |   |                      |         |   |                     |           |   |                     |           |   |              |                        |   |               |                                    |   |                  |                  |           |   |  |
| Outlet Total   | Improved Outlet System             | 5  |                                       |         |                  |                   |        |                  |     |                 |                    |      |                    |                     |      |                |                         |                      |                   |                        |                      |               |                        |               |   |                              |                    |   |                     |        |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |         |   |                      |         |   |                     |           |   |                     |           |   |              |                        |   |               |                                    |   |                  |                  |           |   |  |
| Ditches Total  | 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> CdC,DmB,FoA,FuB,MBA<br><u>Rt Approach Prism Fill:</u> 0.25in<br><u>Lt Approach Prism Fill:</u> 0.2in  |                                    | <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: Fencing across DS.