

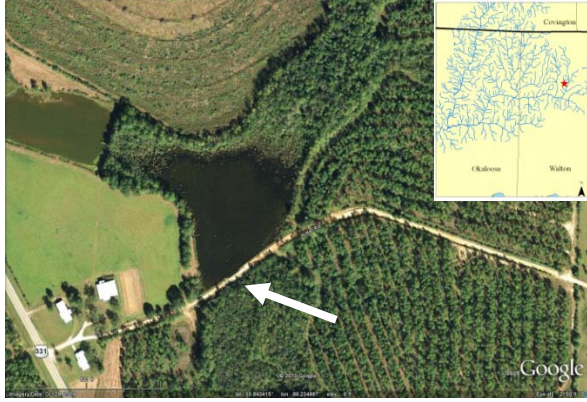


| Bee Branch | | wa-0722-r-003 | Sedimentation Risk Index 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------------|---|---------------------------------------|-------------|--------------|-------------------|------------------|--------|-----|------------------|----|-----|--------------------|------|-----|---------------------|-----|---------------------------------------|-------------------------|----------------|-----|------------------------|---------------|-----|------------------------|---------------|---|------------------------------|----------------------|---|---------------------|--------|---|---------------|-----------|---|--------------------|-----------|---|--------------------|-----------|---|-------------------|-----------|---|-------------------|-----------|---|----------------------|-----------|---|----------------------|-----------|---|---------------------|-----------|---|---------------------|-----------|---|--------------|------------------------|---|---------------|----------------------------|---|------------------|--------------------|-----------|
| <u>Common:</u> 8.4mi NE of Mossy Head <u>Drainage:</u> Big Swamp Creek <u>GPS:</u> 30.842528, -86.235539 <u>Land owner:</u> Andrews Investments LLC 50%, Charles Jones 50% | | <u>County:</u> Walton <u>State:</u> Florida <u>PLSS(T-R-S):</u> 4N-20-15-29000 <u>Parcel No.:</u> 6 <u>Road Name:</u> Elmer Jones Rd | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crossing Structure: Lt Approach | | 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>DA</td><td>3</td></tr> <tr><td>DS Bank Alteration</td><td>HIGH</td><td>1</td></tr> <tr><td>Upstream Skew Angle</td><td><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 Aggregate</td><td>5</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>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>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>SRI Total</td><td>Medium Risk</td><td>40</td></tr> </tbody> </table> | | | | Risk Factor | Ranking | Score | US Channel Morph | PONDED | 1 | DS Channel Morph | DA | 3 | 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 Aggregate | 5 | Potential Eroded Volume Mean | 21-40 y ³ | 3 | 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 | 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 | SRI Total | Medium Risk | 40 |
| Risk Factor | Ranking | Score | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| US Channel Morph | PONDED | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DS Channel Morph | DA | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 Aggregate | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Potential Eroded Volume Mean | 21-40 y ³ | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SRI Total | Medium Risk | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | <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/ 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 | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Additional Site Features <u>Crossing Type and Quantity:</u> Ford, 1 <u>Crossing Materials:</u> Reinforced Concrete <u>Soil Types:</u> 6,15,25,26,35,60, <u>Rt Approach Prism Fill:</u> 0.25in <u>Lt Approach Prism Fill:</u> 1.0in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Notes: Fencing across DS