




Big Swamp Creek		wa-0714-r-002	Sedimentation Risk Index 40																																																																		
<u>Common:</u> 6.6mi NE of Mossy Head <u>Drainage:</u> Shoal River <u>GPS:</u> 30.802508, -86.226481 <u>Land owner:</u> Mary Frymire & Joe Johnson		<u>County:</u> Walton <u>State:</u> Florida <u>PLSS(T-R-S):</u> 4N-20-34 <u>Parcel No.:</u> 5 <u>Road Name:</u> Raley Rd																																																																			
																																																																					
Crossing Structure: DS		DS																																																																			
<table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td>US Channel Morph</td><td>C</td><td>5</td></tr> <tr><td>DS Channel Morph</td><td>C</td><td>5</td></tr> <tr><td>DS Bank Alteration</td><td>NATURAL</td><td>5</td></tr> <tr><td>Upstream Skew Angle</td><td><5°</td><td>5</td></tr> <tr><td>Crossing fill condition</td><td>Fair/Rip Rap</td><td>3</td></tr> <tr><td>Inlet/Outlet Condition</td><td>No Impairment</td><td>5</td></tr> <tr><td>Road Approach Material</td><td>All Sand/Clay</td><td>3</td></tr> <tr><td>Potential Eroded Volume Mean</td><td>>40 y³</td><td>1</td></tr> <tr><td>Approach Slope Mean</td><td>>4%</td><td>1</td></tr> <tr><td>Soil K Factor</td><td>0.21-0.40</td><td>3</td></tr> <tr><td>Upstream Rt Outlet</td><td>Rip Rap</td><td>1</td></tr> <tr><td>Upstream Lt Outlet</td><td>Vegetated</td><td>1</td></tr> <tr><td>Upstream Rt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Upstream Lt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Downstream Rt Outlet</td><td>Bare soil</td><td>0</td></tr> <tr><td>Downstream Lt Outlet</td><td>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>Partially Improved Outlet System</td><td>3</td></tr> <tr><td>Ditches Total</td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td>SRI Total</td><td>Medium Risk</td><td>40</td></tr> </tbody> </table>		Risk Factor	Ranking	Score	US Channel Morph	C	5	DS Channel Morph	C	5	DS Bank Alteration	NATURAL	5	Upstream Skew Angle	<5°	5	Crossing fill condition	Fair/Rip Rap	3	Inlet/Outlet Condition	No Impairment	5	Road Approach Material	All Sand/Clay	3	Potential Eroded Volume Mean	>40 y ³	1	Approach Slope Mean	>4%	1	Soil K Factor	0.21-0.40	3	Upstream Rt Outlet	Rip Rap	1	Upstream Lt Outlet	Vegetated	1	Upstream Rt Ditch	Bare soil	0	Upstream Lt Ditch	Bare soil	0	Downstream Rt Outlet	Bare soil	0	Downstream Lt Outlet	Vegetated	1	Downstream Rt Ditch	Bare soil	0	Downstream Lt Ditch	Bare soil	0	Outlet Total	Partially Improved Outlet System	3	Ditches Total	Unimproved Drainage System	1	SRI Total	Medium Risk	40		
Risk Factor	Ranking	Score																																																																			
US Channel Morph	C	5																																																																			
DS Channel Morph	C	5																																																																			
DS Bank Alteration	NATURAL	5																																																																			
Upstream Skew Angle	<5°	5																																																																			
Crossing fill condition	Fair/Rip Rap	3																																																																			
Inlet/Outlet Condition	No Impairment	5																																																																			
Road Approach Material	All Sand/Clay	3																																																																			
Potential Eroded Volume Mean	>40 y ³	1																																																																			
Approach Slope Mean	>4%	1																																																																			
Soil K Factor	0.21-0.40	3																																																																			
Upstream Rt Outlet	Rip Rap	1																																																																			
Upstream Lt Outlet	Vegetated	1																																																																			
Upstream Rt Ditch	Bare soil	0																																																																			
Upstream Lt Ditch	Bare soil	0																																																																			
Downstream Rt Outlet	Bare soil	0																																																																			
Downstream Lt Outlet	Vegetated	1																																																																			
Downstream Rt Ditch	Bare soil	0																																																																			
Downstream Lt Ditch	Bare soil	0																																																																			
Outlet Total	Partially Improved Outlet System	3																																																																			
Ditches Total	Unimproved Drainage System	1																																																																			
SRI Total	Medium Risk	40																																																																			
Additional Site Features <u>Crossing Type and Quantity:</u> Bridge,1 <u>Crossing Materials:</u> Wood <u>Soil Types:</u> 4,15,31,32,48 <u>Rt Approach Prism Fill:</u> 2.0in <u>Lt Approach Prism Fill:</u> 1.5in		<table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE DARTER</td> </tr> <tr> <td>Land Use/Cover</td> <td>Yes</td> <td>N/A/ STREAMS AND WATERWAYS</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table>		Feature	Within Range	Descriptive Field	303(d)	No	N/A	Wetland Species	No	N/A	Rare and Imperiled	Yes	SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE DARTER	Land Use/Cover	Yes	N/A/ STREAMS AND WATERWAYS	Candidate Mussels	No	N/A	Sturgeon C.H.	No	N/A																																													
Feature	Within Range	Descriptive Field																																																																			
303(d)	No	N/A																																																																			
Wetland Species	No	N/A																																																																			
Rare and Imperiled	Yes	SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE DARTER																																																																			
Land Use/Cover	Yes	N/A/ STREAMS AND WATERWAYS																																																																			
Candidate Mussels	No	N/A																																																																			
Sturgeon C.H.	No	N/A																																																																			

Notes: None