




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

Notes: None