




Unnamed tributary		co-0731-r-005		Sedimentation Risk Index 42																																																																			
<u>Common:</u> 4.1mi NW of Florala <u>Drainage:</u> Horsehead Creek <i>GPS:</i> 31.031038, -86.391598 <u>Land owner:</u> Carol Coon -US, Rayonier Forest Resources LP-DS		<u>County:</u> Covington <u>PLSS (T-R-S):</u> 1N-17E-19/30 <u>Parcel No.:</u> 5.02; 1 <u>Road Name:</u> Union Church Rd		<u>State:</u> Alabama																																																																			
																																																																							
Crossing Structure: US		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>E</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>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>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>>40 y³</td><td>1</td></tr> <tr><td>Approach Slope Mean</td><td>2.1-4%</td><td>3</td></tr> <tr><td>Soil K Factor</td><td><0.20</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>SRI Total</td><td>Medium Risk</td><td>42</td></tr> </tbody> </table>		Risk Factor	Ranking	Score	US Channel Morph	E	5	DS Channel Morph	E	5	DS Bank Alteration	HIGH	1	Upstream Skew Angle	<5°	5	Crossing fill condition	Good/Vegetated	5	Inlet/Outlet Condition	Sed Islands/Scouring	3	Road Approach Material	All Sand/Clay	3	Potential Eroded Volume Mean	>40 y ³	1	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	SRI Total	Medium Risk	42				
Risk Factor	Ranking	Score																																																																					
US Channel Morph	E	5																																																																					
DS Channel Morph	E	5																																																																					
DS Bank Alteration	HIGH	1																																																																					
Upstream Skew Angle	<5°	5																																																																					
Crossing fill condition	Good/Vegetated	5																																																																					
Inlet/Outlet Condition	Sed Islands/Scouring	3																																																																					
Road Approach Material	All Sand/Clay	3																																																																					
Potential Eroded Volume Mean	>40 y ³	1																																																																					
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																																																																					
SRI Total	Medium Risk	42																																																																					
Additional Site Features <u>Crossing Type and Quantity:</u> Culvert, 1 <u>Crossing Materials:</u> Metal <u>Soil Types:</u> BoC,CdB,CdC,DmB,FuB,MBA <u>Rt Approach Prism Fill:</u> 2.0in <u>Lt Approach Prism Fill:</u> 2.5in		<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>No</td><td>N/A</td></tr> <tr><td>Land Use/Cover</td><td>No</td><td>N/A</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	No	N/A	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	No	N/A																																																																					
Candidate Mussels	No	N/A																																																																					
Sturgeon C.H.	No	N/A																																																																					

Notes: High sediment load from DS outlet.