




Unnamed tributary		wa-0625-r-001	Sedimentation Risk Index <b>44</b>																																																																		
<u>Common:</u> 2.4mi SW of Florala <u>Drainage:</u> Pond Creek <u>GPS:</u> 30.983133, -86.359481 <u>Land owner:</u> Thomas Kilpatrick-US, Walton Properties LLP-DS		<u>County:</u> Walton <u>State:</u> Florida <u>PLSS(T-R-S):</u> 6N-21-29/32 <u>Parcel No.:</u> 5; 4.003 <u>Road Name:</u> Varnum 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>PONDED</td><td>1</td></tr> <tr><td>DS Channel Morph</td><td>C</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>&lt;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>&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>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><b>SRI Total</b></td><td><b>Medium Risk</b></td><td><b>44</b></td></tr> </tbody> </table>		Risk Factor	Ranking	Score	US Channel Morph	PONDED	1	DS Channel Morph	C	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	<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	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	<b>SRI Total</b>	<b>Medium Risk</b>	<b>44</b>		
Risk Factor	Ranking	Score																																																																			
US Channel Morph	PONDED	1																																																																			
DS Channel Morph	C	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	<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	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																																																																			
<b>SRI Total</b>	<b>Medium Risk</b>	<b>44</b>																																																																			
<b>Additional Site Features</b> <u>Crossing Type and Quantity:</u> Bridge, 1 <u>Crossing Materials:</u> Wood <u>Soil Types:</u> 13,14,15,22,23,60,61 <u>Rt Approach Prism Fill:</u> 0.25in <u>Lt Approach Prism Fill:</u> 0.25in		<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</td> </tr> <tr> <td>Land Use/Cover</td> <td>Yes</td> <td>VACANT RESIDENTIAL, 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	Yes	SPECKLED CHUB, IRONCOLOR SHINER	Land Use/Cover	Yes	VACANT RESIDENTIAL, 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	Yes	SPECKLED CHUB, IRONCOLOR SHINER																																																																			
Land Use/Cover	Yes	VACANT RESIDENTIAL, AGRICULTURAL/ WETLAND FORESTED MIX																																																																			
Candidate Mussels	No	N/A																																																																			
Sturgeon C.H.	No	N/A																																																																			

Notes: Fencing across DS channel causing sediment buildup