

## South Fork Rivanna River Dredging Alternative

Benefits of this Alternative	Challenges of this Alternative
<p>Recreational value</p> <p>Regarded as community asset</p> <p>Cost competitive</p> <p>Increased capacity</p> <p>It needs to happen anyway for normal upkeep.</p>	<p>Unknown variables:</p> <ul style="list-style-type: none"> <li>• Contents of silt</li> <li>• What to do with silt</li> <li>• Cost of removal</li> <li>• Affect on wildlife</li> <li>• Affect on water quality</li> <li>• Affect on water treatment plant</li> <li>• Possible odor</li> <li>• What does the process look like?</li> <li>• How often will we dredge?</li> </ul> <p>Public is not educated on what really happens with this option</p> <p>Why hasn't this happened before</p> <p>Pollution</p> <p>Who will pay--- What is the County's role?</p> <p>This is an on-going—not single occurrence—solution</p> <p>Quantifying the other (non-financial) value of this alternative</p> <p>Risk of fill-in from large storm</p> <p>Related siltation at Sugar Hollow</p>

### **Breakthrough Ideas**

Partial Dredging—slowing down the amount of silt

Slowly dredge--- creating less silt

Treating dredging as a commodity—income potential for Authority or private company

Learn more about Mud Cat Dredger (authority would buy and operate)

Be more proactive with silt control—removing sediment, building buffers , enforcement, using natural elements as barriers

Coordinate with South Fork Rivanna Expansion

Utilize improved dredging technology

Isolate silt in predictable areas

Release sediment downstream