

# Tennessee Samples

(Silt Stop Blends / Floc Log Applications)  
Description

Sample	Location	(Silt Stop Blends / Floc Log Applications) Description	APS Application	Results and Special Instructions
	2/13/06 Analysis By: SRI	Soil Type / Location	Floc Log Type	Reaction Time / NTU Reading
1	Jen Hill P.O. Box 1192 145 Old Shackle Island Road Hendersonville, TN 37075 615-824-1200 615-822-9460 fax jason_jenhill@bellsouth.net Jason Painter	Kentucky Lake Paris Landing area Shamrock Condos Proj. TLM Associates, Inc. 117 E Lafayette St Jackson, TN 38301 Bob Safin 731-988-9840 731-988-9963 fax Dredge sample material NTUi-8000	703d#3 706b  <b>Stabilization Type</b>  N/A	8-14 sec / 13.0 NTU 16-20 sec / 17.4 NTU

Note: These samples contain high organic material, sand and clay. The clay and organics will be very stable when mixed up or suspended into water causing a very high turbidity. Mixing / reaction times will be very important when using the Floc Log listed above. The mixing must be **continuous** for the time stated to obtain the best results as the organics and clay will require complete mixing. A mixing ditch, pipe or flume system may be used with either a pump or gravity flow to meet this requirement. Particulate formed may be captured by filtering through particle curtains made with coir and jute fabric or settled in a pond after the mixing reaction has been completed. **The dosage rate should be 45-50 GPM flow / each Floc Log placed in a series or in a row.**

**Best application: Treating the dredge material directly or to the primary pond (post pumping) will require a greater dosage of the Floc Logs. Best to use a smaller primary pond or chamber to receive the dredge material first. The over flow without the sand and bulk material can be then be treated for water clarity with the floc logs at a lower dosage and lower cost.**

**DECREASED TEMPERATURES DURING THE WINTER MONTHS WILL INCREASE REACTION TIMES.**