

**Time-Critical Concurrence**

**Area:**

Emory River, Above Segment 5, B-121 through B-123

**Agreement:**

Ash removal activities have been completed in Above Segment 5 for dredge grids B-121 through B-123. Completion is confirmed by vibecore samples obtained in each of the grids to determine the presence of ash material. The attached sample results indicate that no recoverable ash was present within these grids.

**Attachments:**

- Figure 5, Ash Remaining to Pre-Spill Surface in Above Segment 5, dated 3/3/10
- Figure 1, Ash Remaining Through Severson 05/12 Survey, dated 5/12/10
- Figure 2, Vibecore Concurrence Sampling Results – Above Segment 5, B-121 through B-123 dated 5/11/10
- Vibecore #s 121-B, 122-B-1, 122-B-2, 123-B Sampling Logs and Photos

**Concurrence Comments:**

Julie L Puff  
Jacobs Project Manager

5/13/10  
Date

Kathryn Nash  
Tennessee Valley Authority

5/13/10  
Date

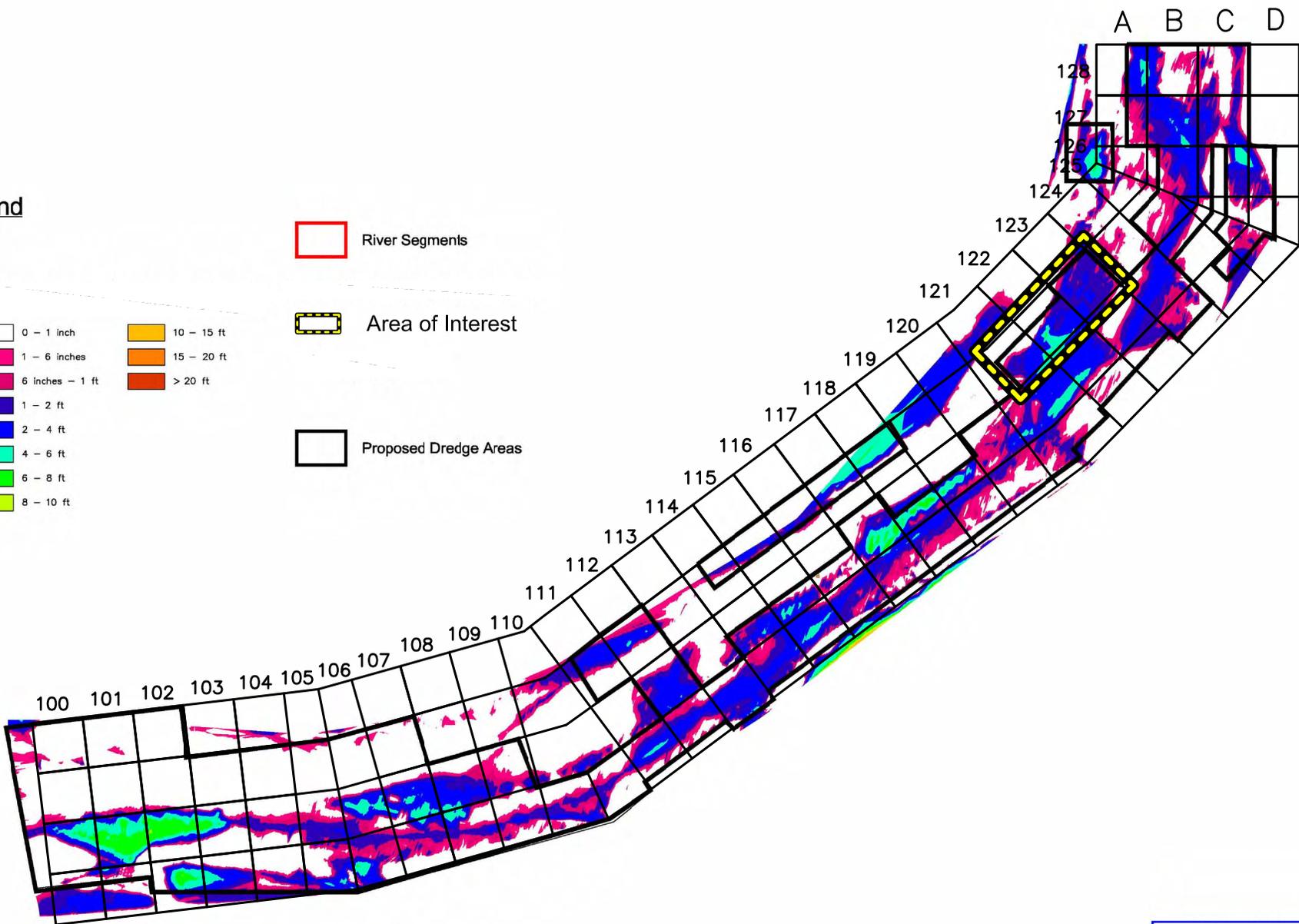
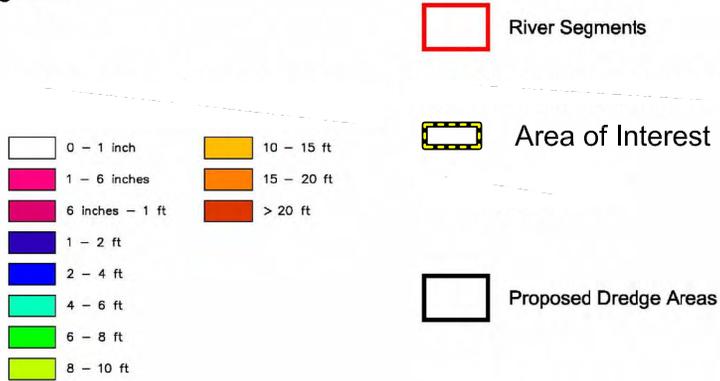
Leotran  
U. S. Environmental Protection Agency

5/14/10  
Date

*Consulted w/ TDEC*

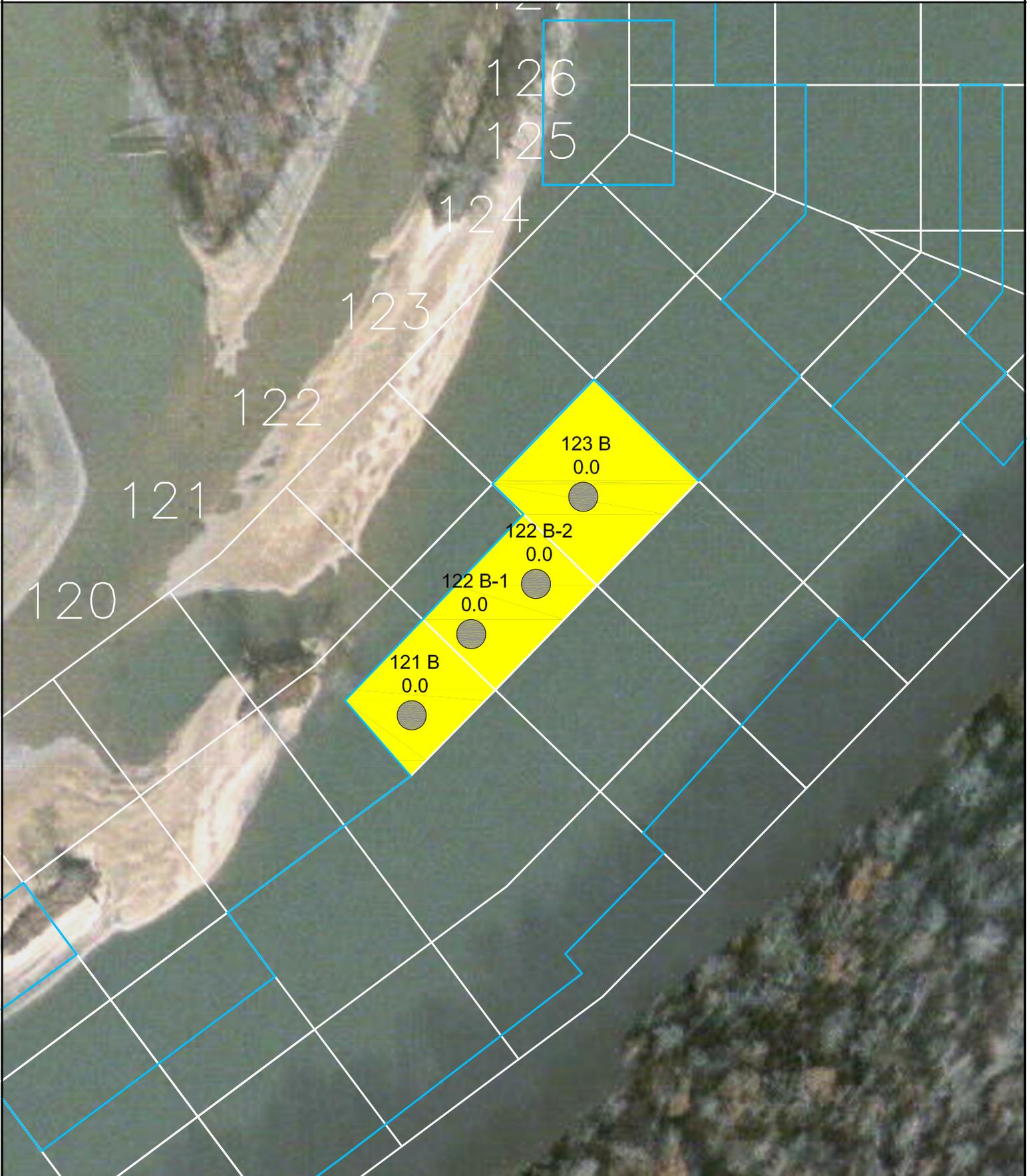


**Legend**



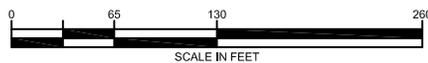
<b>ASH REMAINING THROUGH SEVENSON 05-12 SURVEY</b>	
TVA DREDGING OF THE EMORY RIVER AND ASH PROCESSING HARRIMAN, TN	
 <b>SEVENSON ENVIRONMENTAL SERVICES, INC.</b>	
DRAWING	DATE: MAY 12, 2010
Figure 1	DRAWN BY: DAB
	CHECKED BY: JB
	CAD FILE: volume_remaining 0512seg 6

# VibeCore Concurrence Sampling Results - Above Segment 5



- Ash Recovered
- No Ash Present
- Removed From Plan
- Phase 2 Dredging Path

VibeCore Label Format:  
Core Number  
Ash Thickness (ft)



**JACOBS**<sup>TM</sup>

05/11/10

Figure 2

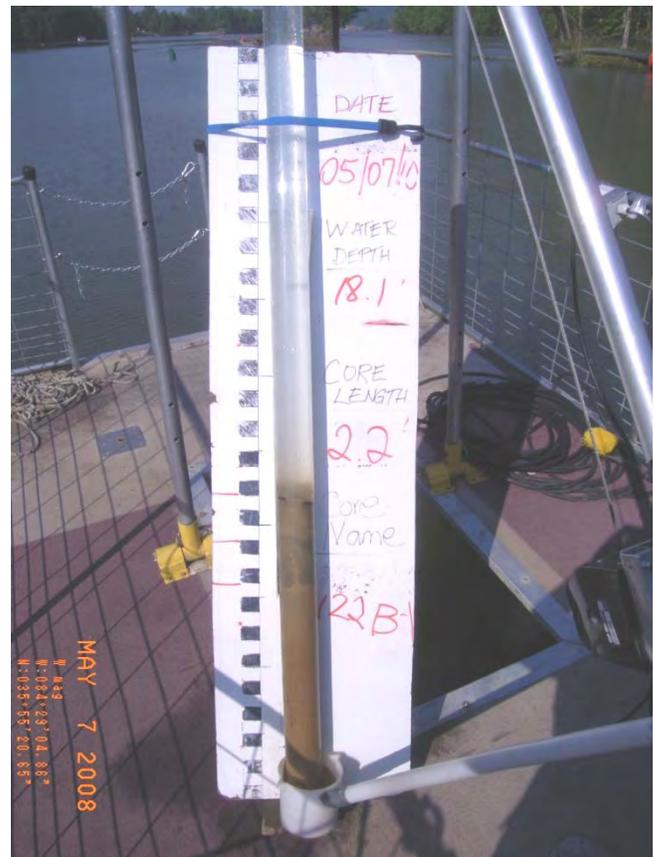


### Vibecore Documentation

Date: 05/07/2010		Weather: Sunny, 88 deg F		Location: Above Segment 5, Emory River				
River Flow: 1900 cfs		River Elevation: 740.86'						
Crew: Tom Touzeau, Greg Schwartz, Tommy Davis								
Core #	Photo #	Tube Type	Core Coordinates	River Depth	Time	Core Description	Interval (ft)	Top/Bottom of Ash
121 B	R0010556	6' Acrylic	N: 560410.9' E: 2448679.7'	18.3'	9:27	Orange Clay w/ Sand	0.0 - 2.4	N/A
Deviations encountered: Core met refusal								
						Total Depth	2.4'	
Core #	Photo #	Tube Type	Core Coordinates	River Depth	Time	Core Description	Interval (ft)	Top/Bottom of Ash
122 B-1	R0010557	6' Acrylic	N: 560480.54' E: 2448730.71'	18.1'	9:45	Sand w/ Organics	0.0 - 0.3	N/A
Deviations encountered: Core met refusal								
							0.3 - 0.6	
							0.6 - 2.2	
						Total Depth	2.2'	
Core #	Photo #	Tube Type	Core Coordinates	River Depth	Time	Core Description	Interval (ft)	Top/Bottom of Ash
122 B-2	R0010560	6' Acrylic	N: 560523.58' E: 2448786.18'	21.'	10:35	Organic Material	0.0 - 1.0	N/A
Deviations encountered: Core met refusal								
						Total Depth	1.'	
Core #	Photo #	Tube Type	Core Coordinates	River Depth	Time	Core Description	Interval (ft)	Top/Bottom of Ash
123 B	R0010562	6' Acrylic	N: 560598.33' E: 2448826.66'	21.'	11:16	Sand w/ Organics	0.0 - 0.7	N/A
Deviations encountered: Core met refusal								
							0.7 - 2.8	
						Total Depth	2.8'	

# Vibecore Sampling Photos

Above Segment 5 Dredge Areas B-121 through 123



Core 121-B

Total core depth = 2.4'

Ash thickness = 0.0'

Water depth = 18.3'

Core 122-B-1

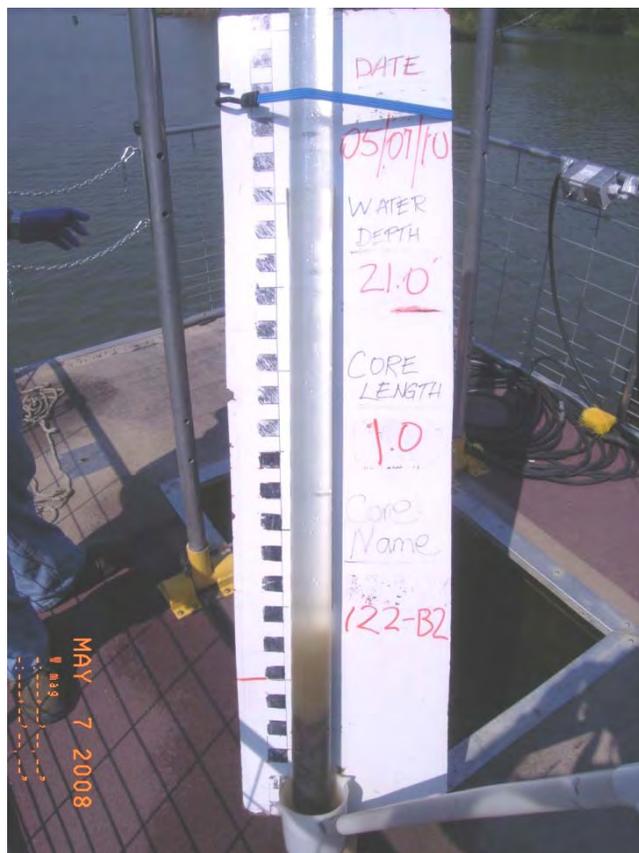
Total core depth = 2.2'

Ash thickness = 0.0'

Water depth = 18.1'

# Vibecore Sampling Photos

Above Segment 5 Dredge Areas B-121 through 123



Core 122-B-2

Total core depth = 1.0'

Ash thickness = 0.0'

Water depth = 21.0'



Core 123-B

Total core depth = 2.8'

Ash thickness = 0.0'

Water depth = 21.0'