

**Time-Critical Concurrence**

**Area:**

Emory River, Segment 1, E-40 through E-43

**Agreement:**

Ash removal activities have been completed in Segment 1 for dredge grids E-40 through E-43

The bathymetric survey completed on <sup>4</sup>3/9/10 and vibecore concurrence sampling indicate that there is no remaining recoverable ash in Grids E-40 to E-43

**Attachments:**

Figure 1, Ash Remaining to Pre-Spill Surface in Segment 1,2,3 & 5, dated 4/13/10

Figure 1, VibeCore Concurrence Sampling Results - Segment 1, dated 4/13/10

VibeCore Sampling Logs and Photos for Cores 40E, 41E, 42E & 43E

**Concurrence Comments:**

Julia L Pfiff  
Jacobs Project Manager

4/19/10

Date

Michael J Scott  
Tennessee Valley Authority

4/20/10

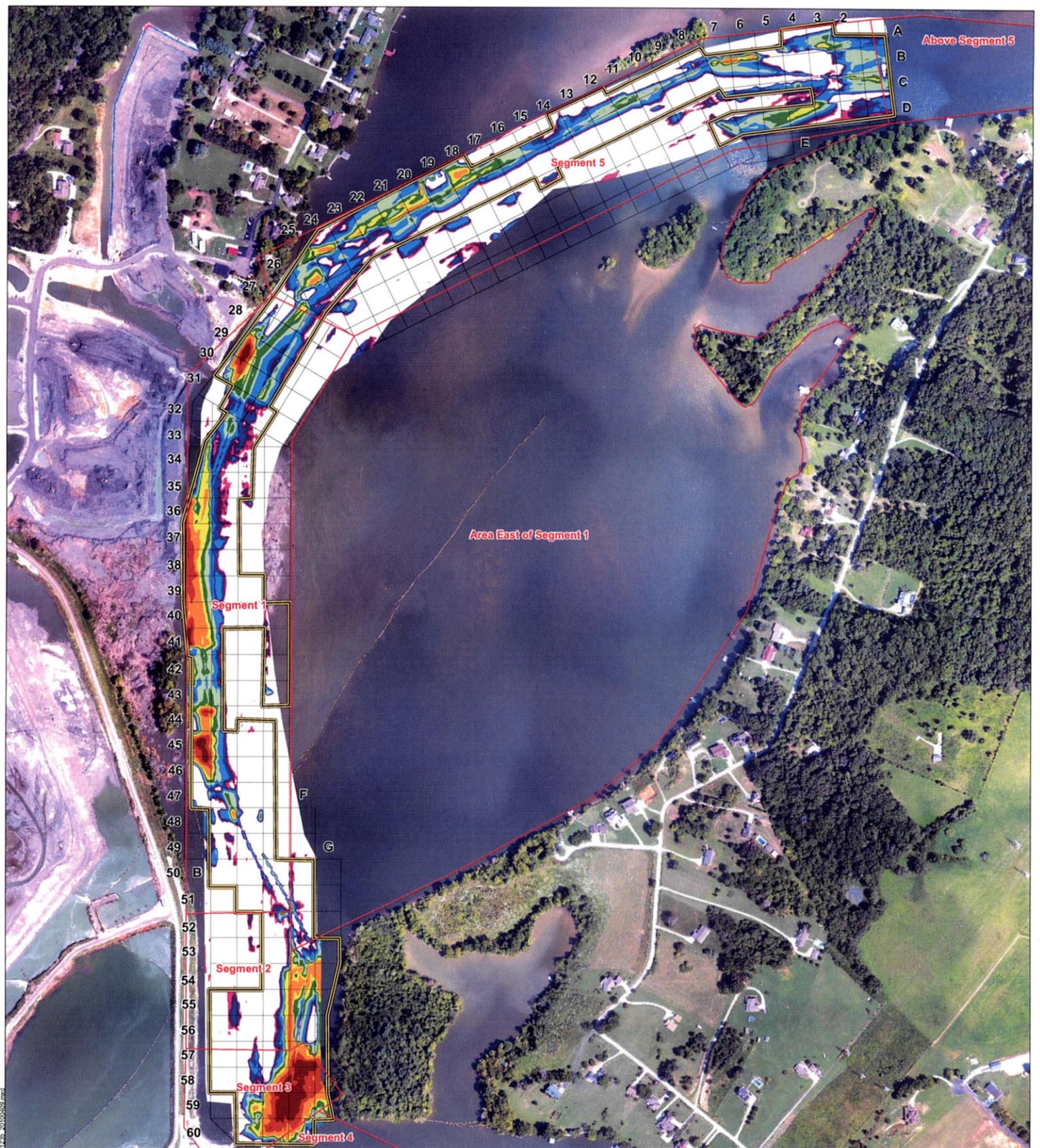
Date

HotFrank  
U. S. Environmental Protection Agency

4/20/10

Date

consulted w/ TDEC



#### Legend

**Ash Remaining as of 04/09/10: -228,468 cy**

0 - 1 inch	0 - 15 ft
1 - 6 inches	10 - 15 ft
6 inches - 1 ft	15 - 20 ft
1 - 2 ft	> 20 ft
2 - 4 ft	
4 - 6 ft	
6 - 8 ft	
8 - 10 ft	

River Segments  
Segment 1 = 96,833 cy as of 04/09/10  
Segment 3 = 65,730 cy as of 04/09/10  
Segment 5 = 65,905 cy as of 04/09/10

Proposed Dredge Area

Note: The depiction of volume remaining on this figure is based off of limited bathymetry data. For blocks D1-D8, the volume shown on this figure was not added to the volume total because vibecore sampling resulted in no ash present in these areas. For grids 48-56, these blocks have been dredged to refusal, therefore volume in these areas were not added to the cumulative volume of ash remaining.

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**DRAFT**

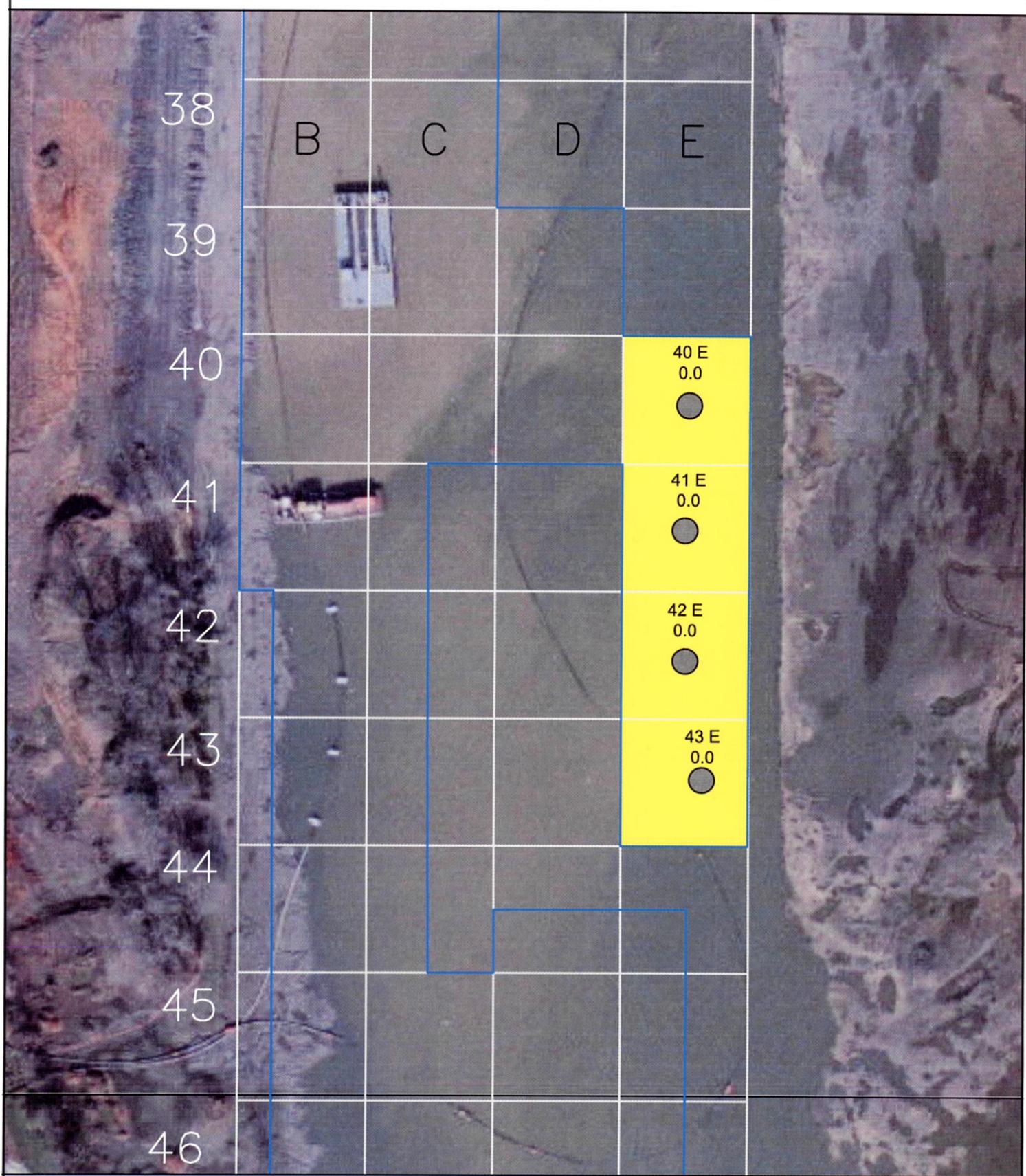
0 300 600  
Feet 1:1,800

**Ash Remaining to Pre-Spill Surface Segments 1, 2, 3, and 5**

NAME: croberts DATE: 04/13/2010

Figure 1

## VibeCore Concurrence Sampling Results - Segment 1



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

VibeCore Label Format:  
Core Number  
Ash Thickness (ft)



**JACOBS**

04/13/10

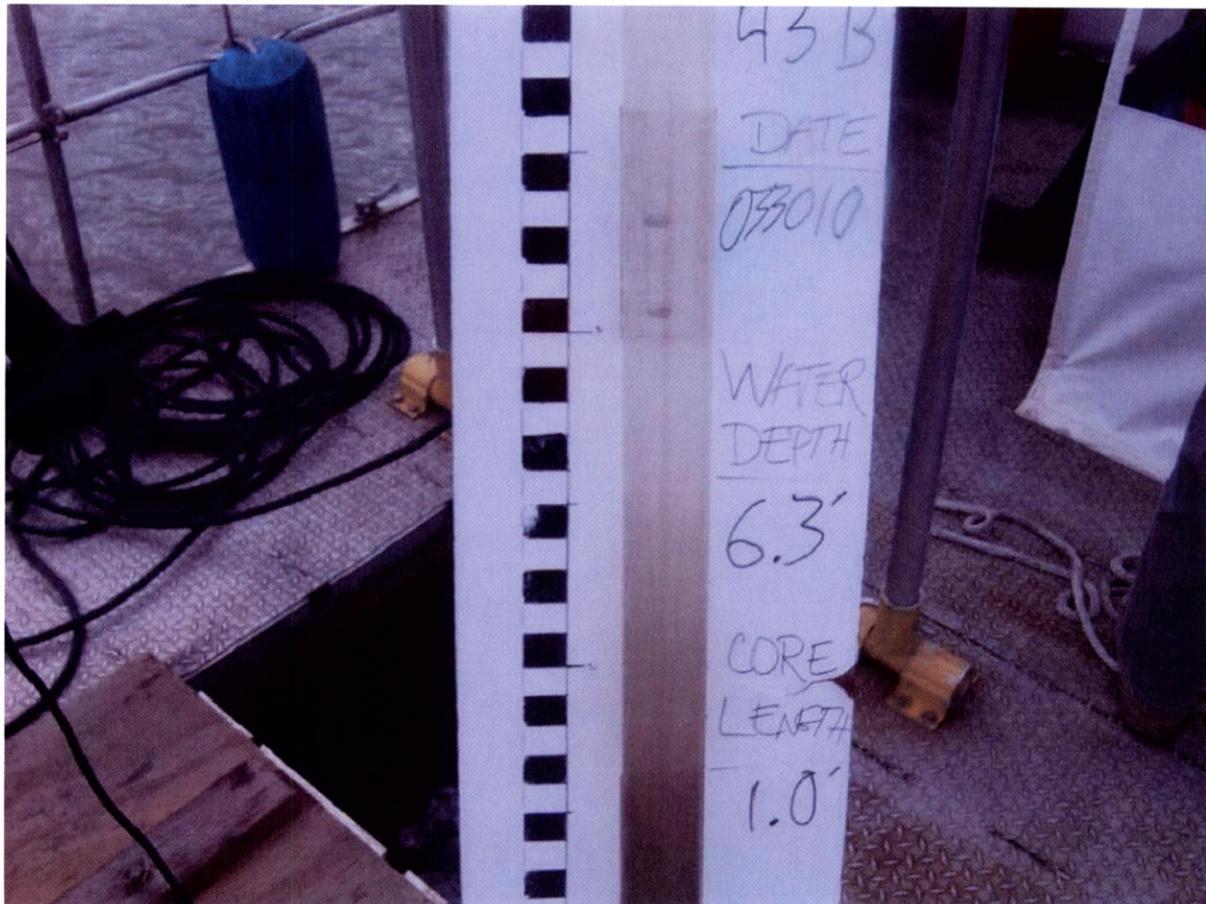
Figure 1



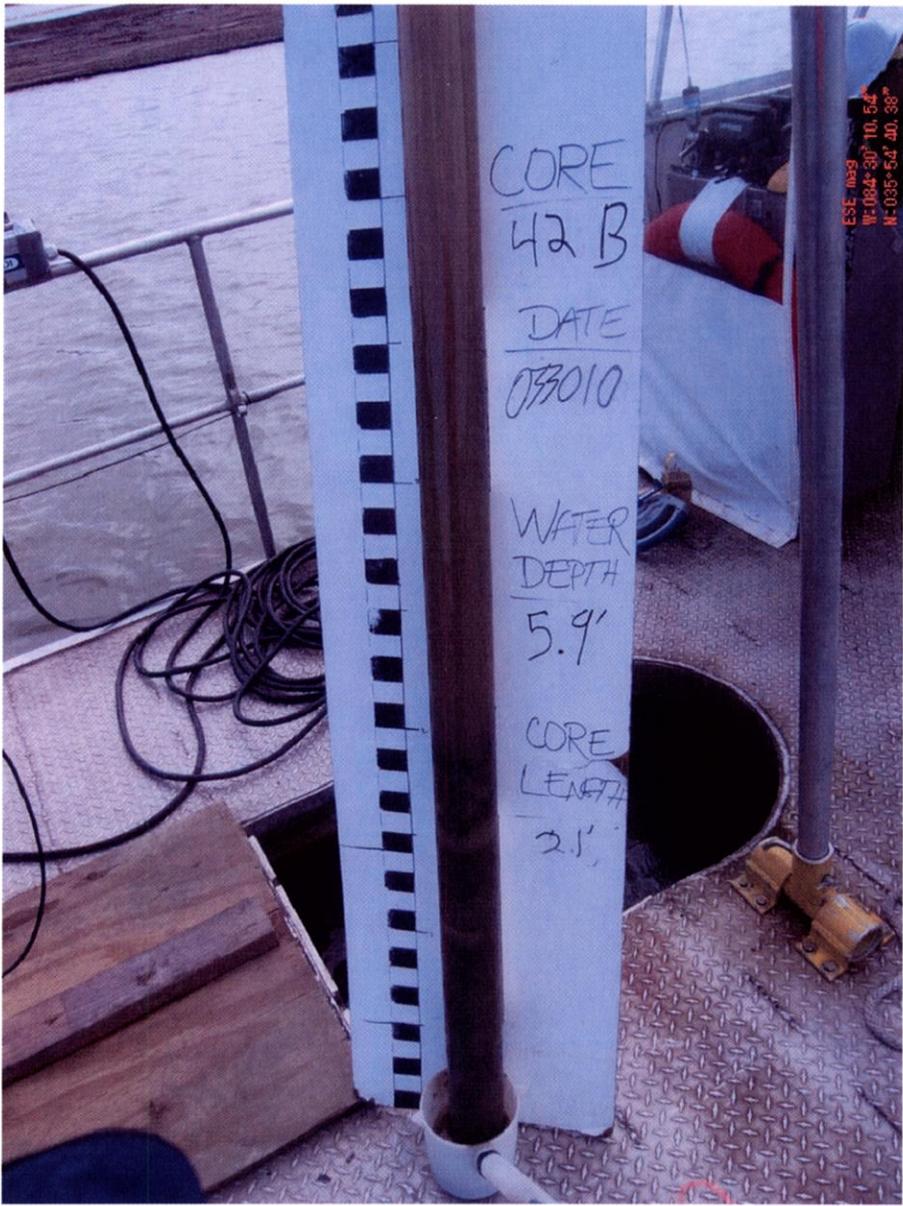
## Vibecore Documentation

Date: 03/30/2010 Weather: Cloudy with sun late in the day wind 5 to 10 mph  
River Flow: 3,150 cfs River Elevation: 737.65'  
Crew: Mark Greer, Daniel Craze, Travis Walls

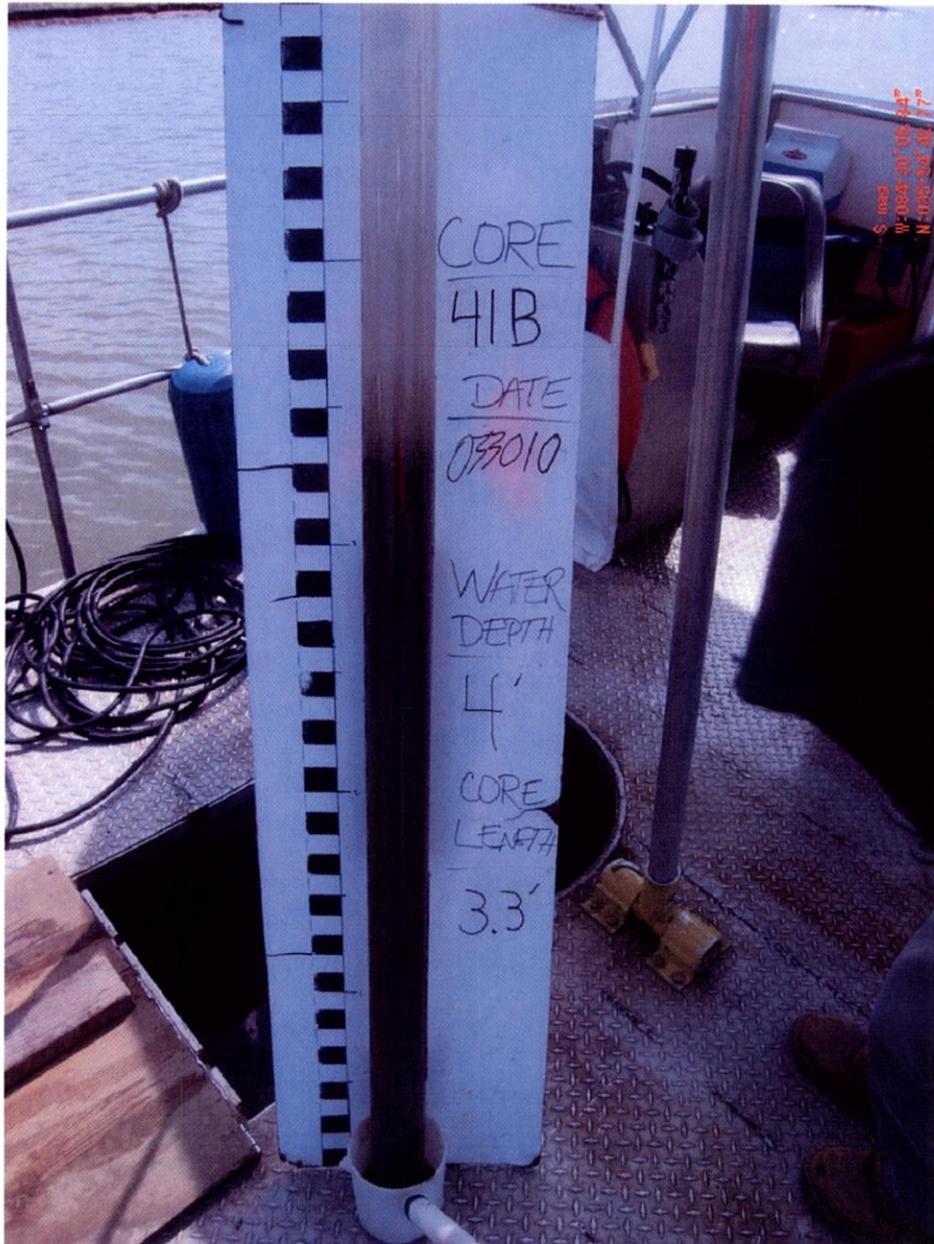
Core #	Photo #	Tube Type	Core Coordinates	River Depth	Time	Core Description	Interval (ft)
43 E	R0010098	Acrylic	N: 556262.41' E: 2443337.6'	6.3'	11:00	Grey in color medium grain sand with organic material mixed - Few coarse Ash particles less than 50%.	0-0.5
Deviations encountered: Refusal met						Red Heavy Clay	0.5-1.0
						Total Depth 1.'	
42 E	R0010099	Acrylic	N: 556378.9' E: 2443320.93'	5.9'	11:22	Grey fines mixed with leaf matter - less than 50% Ash	0-0.6
Deviations encountered: Refusal met						medium to coarse sands brown in color	0.6-1.5
						Sand mixed with fines and decaying organic materials	1.5-2.1
41 E	R0010100	Acrylic	N: 556507.63' E: 2443320.35'	4.'	11:34	Total Depth 2.1'	
Deviations encountered: Refusal met						Core Description	Interval (ft)
						Fines mixed with <50% Ash	0-0.5
						Brown coarse sands	0.5-2.1
						Medium sands and a high amount of silt - dark brown in color	2.1-3.3
40 E	R0010101	Acrylic	N: 556629.63' E: 2443323.95'	4.5'	12:18	Total Depth 3.3'	
Deviations encountered: Refusal met						Core Description	Interval (ft)
						Brown fines mixed with organic materials	0-0.9
						Grayish brown sand mixed with fines pocketed with organic material	0.9-2.5
						Total Depth 2.5'	



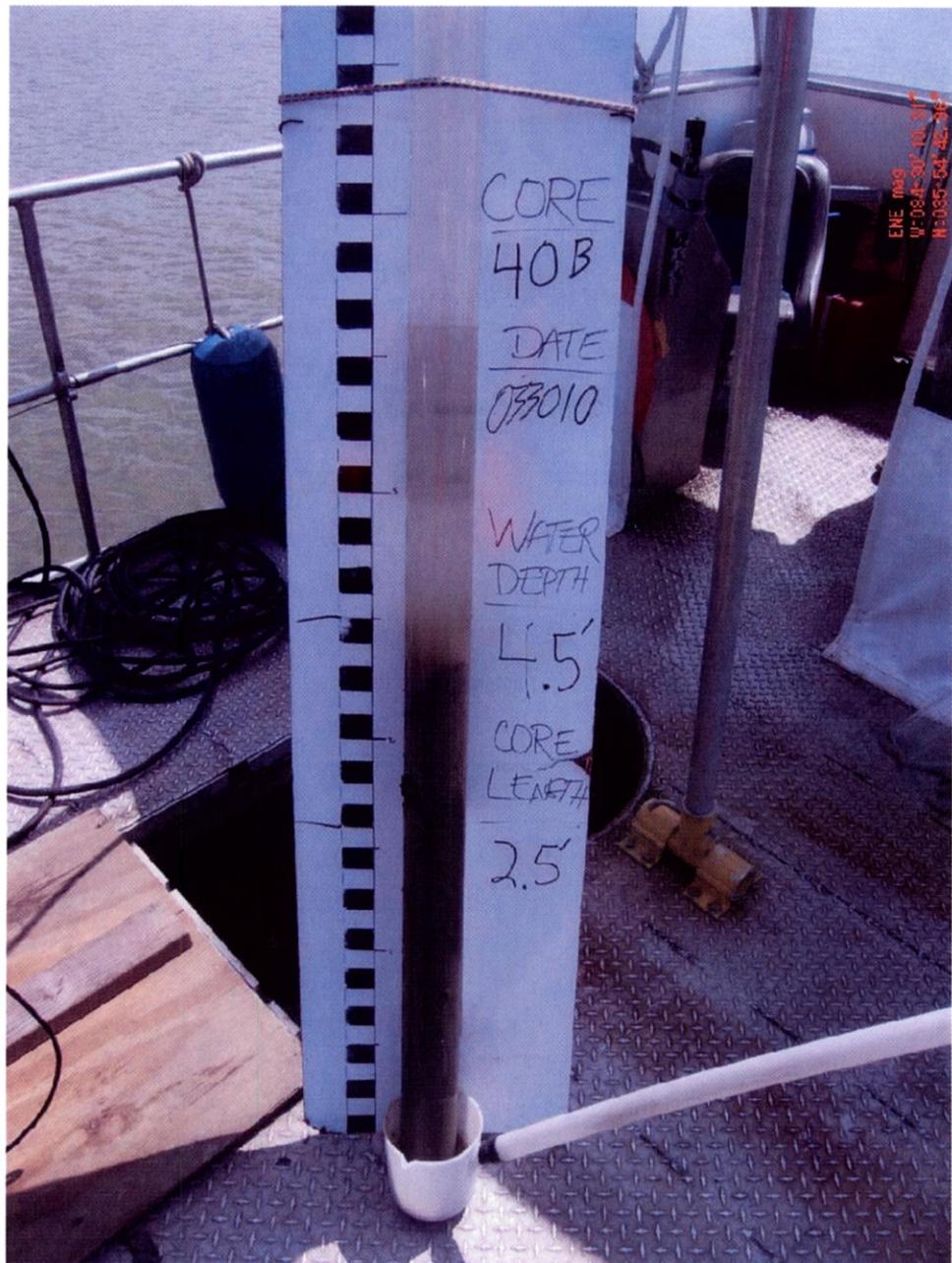
R0010098, Vibecore # 43 E



**R0010099, Vibecore # 42 E**



**R0010100, Vibecore # 41 E**



**R0010101, Vibecore # 40 E**