Agreement Log #: KIF-10-024

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 Sevenson 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

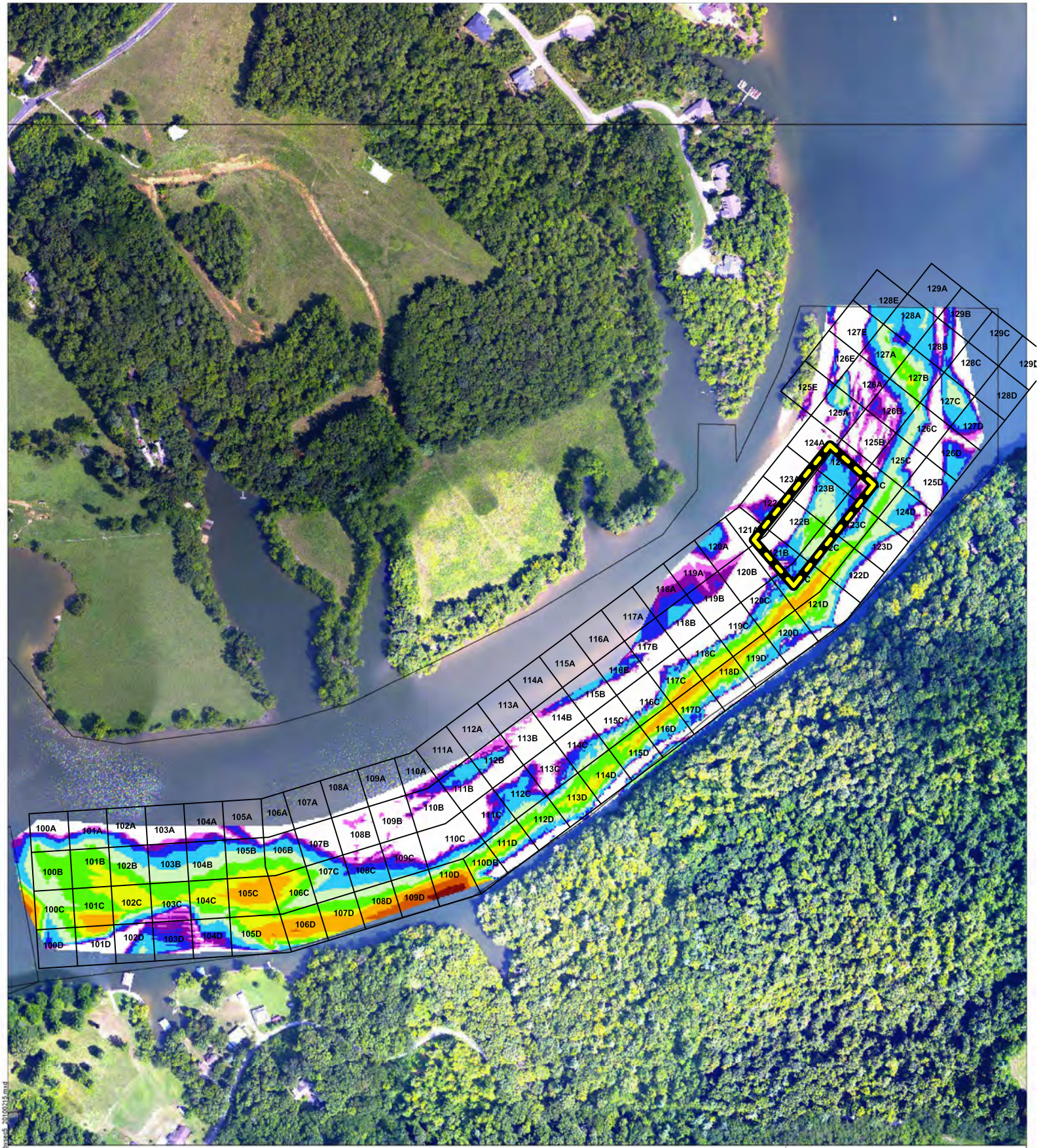
Concurrence Comments:

Julie L Pfaff — Jacobs Project Manager — 5/13/10 Date

Kathryn Nash — Tennessee Valley Authority — 5/13/10 Date

[signature] — U. S. Environmental Protection Agency — 5/14/10 Date

Consulted w/ TDEC



Legend

Ash Remaining: ~184,467 cy

- 0 - 1 inch; ~23 cy
- 1 - 6 inches; ~903 cy
- 6 inches - 1 ft; ~2,432 cy
- 1 - 2 ft; ~7,804 cy
- 2 - 4 ft; ~25,576 cy
- 4 - 6 ft; ~34,111 cy
- 6 - 8 ft; ~41,299 cy
- 8 - 10 ft; ~34,748 cy
- 10 - 15 ft; ~28,775 cy
- 15 - 20 ft; ~6,673 cy
- >20 ft; 2,123 cy

Area of Interest

DRAFT

0 200 400 Feet

N

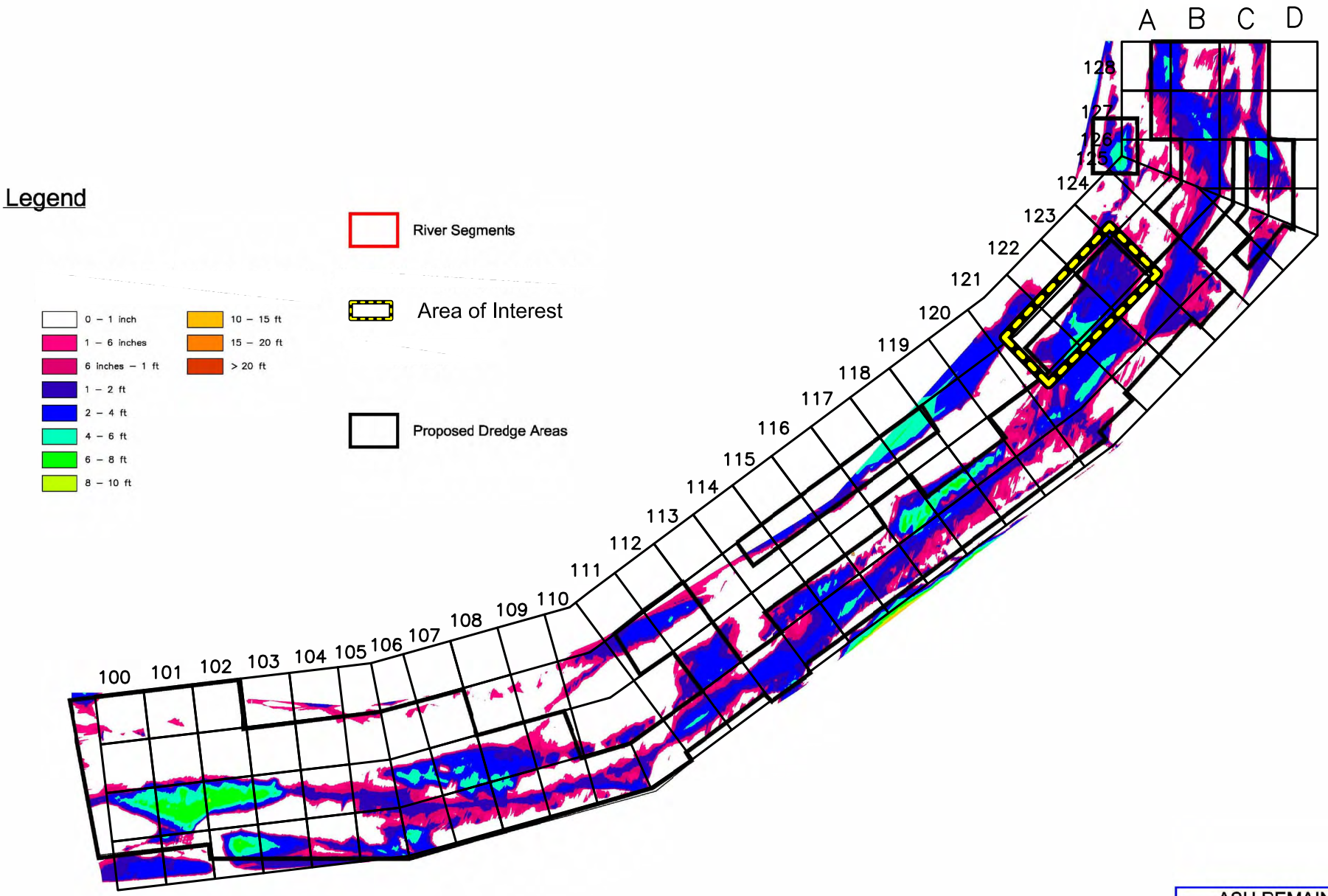
1:1,200

JACOBS

Ash Remaining to Pre-Spill Surface Above Segment 5

NAME: croberts DATE: 03/03/2010

Figure 4



ASH REMAINING THROUGH SEVENSON 05-12 SURVEY

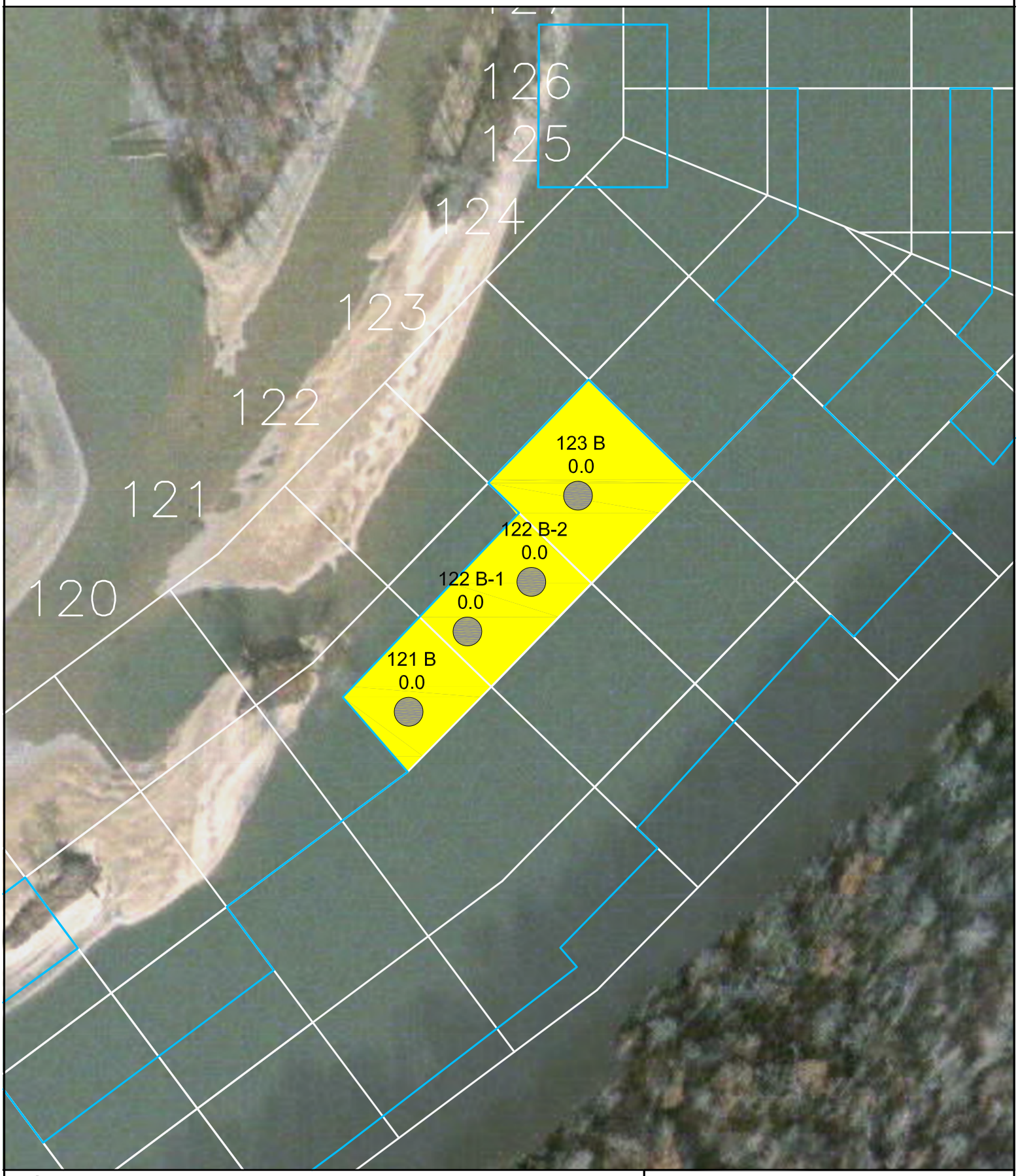
TVA
DREDGING OF THE EMORY RIVER AND ASH PROCESSING
HARRIMAN, TN

SEVENSON ENVIRONMENTAL SERVICES, INC.

DRAWING
Figure 1

DATE:	MAY 12, 2010
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)

N

0 65 130 260
SCALE IN FEET

JACOBS™

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
121 B	R0010556	6' Acrylic	N: 560410.9' E: 2448679.7'	18.3'	9:27

Deviations encountered: Core met refusal

Core Description	Interval (ft)	Top/Bottom of Ash
Orange Clay w/ Sand	0.0 - 2.4	N/A
Total Depth	2.4'	

Core #	Photo #	Tube Type	Core Coordinates	River Depth	Time
122 B-1	R0010557	6' Acrylic	N: 560480.54' E: 2448730.71'	18.1'	9:45

Deviations encountered: Core met refusal

Core Description	Interval (ft)	Top/Bottom of Ash
Sand w/ Organics	0.0 - 0.3	N/A
Grey Sand	0.3 - 0.6	
Orange Sandy Clay	0.6 - 2.2	
Total Depth	2.2'	

Core #	Photo #	Tube Type	Core Coordinates	River Depth	Time
122 B-2	R0010560	6' Acrylic	N: 560523.58' E: 2448786.18'	21.'	10:35

Deviations encountered: Core met refusal

Core Description	Interval (ft)	Top/Bottom of Ash
Organic Material	0.0 - 1.0	N/A
Total Depth	1.'	

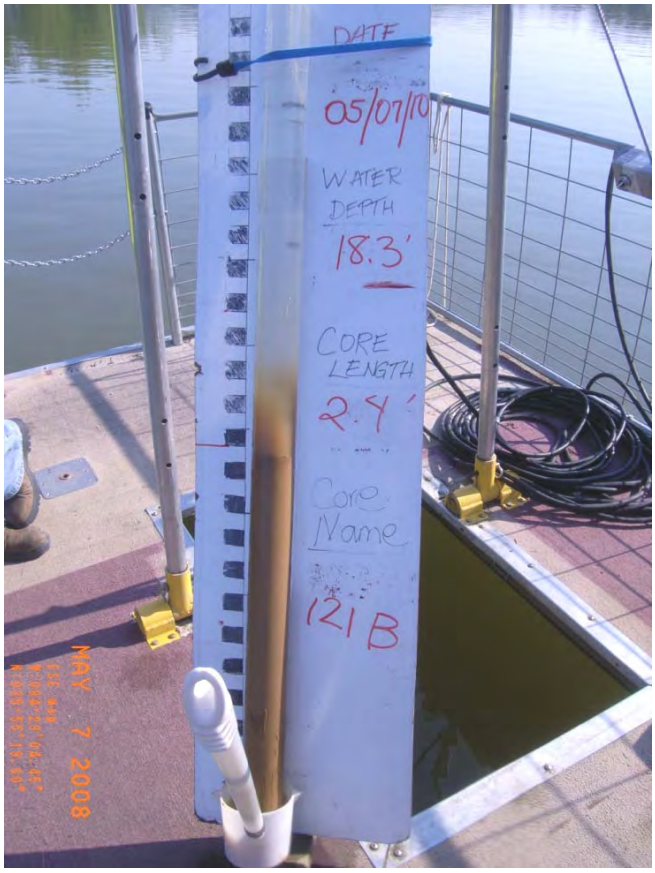
Core #	Photo #	Tube Type	Core Coordinates	River Depth	Time
123 B	R0010562	6' Acrylic	N: 560598.33' E: 2448826.66'	21.'	11:16

Deviations encountered: Core met refusal

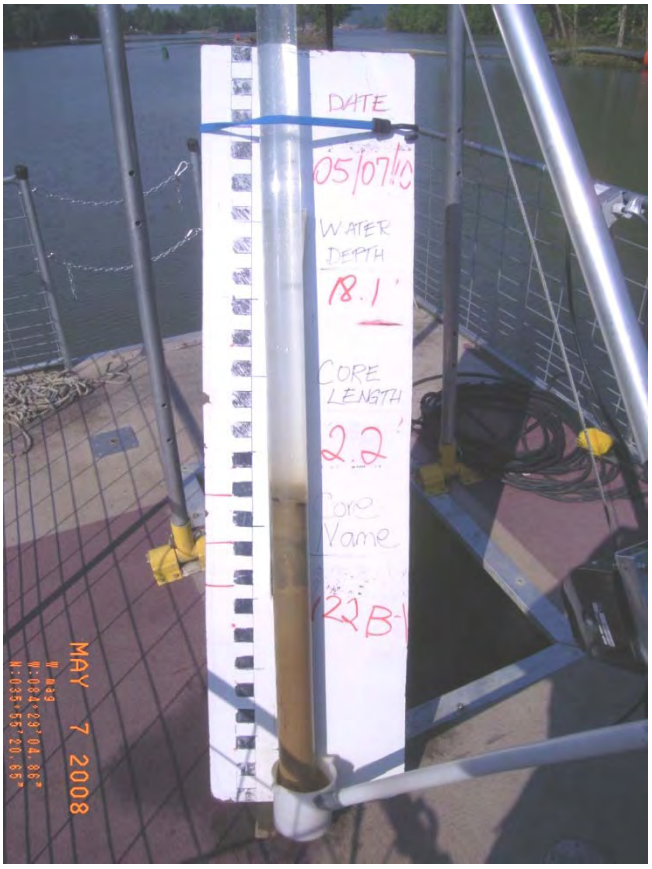
Core Description	Interval (ft)	Top/Bottom of Ash
Sand w/ Organics	0.0 - 0.7	N/A
Orange Clay W/ Sand	0.7 - 2.8	
Total Depth	2.8'	

Vibecore Sampling Photos

Above Segment 5 Dredge Areas B-121 through 123



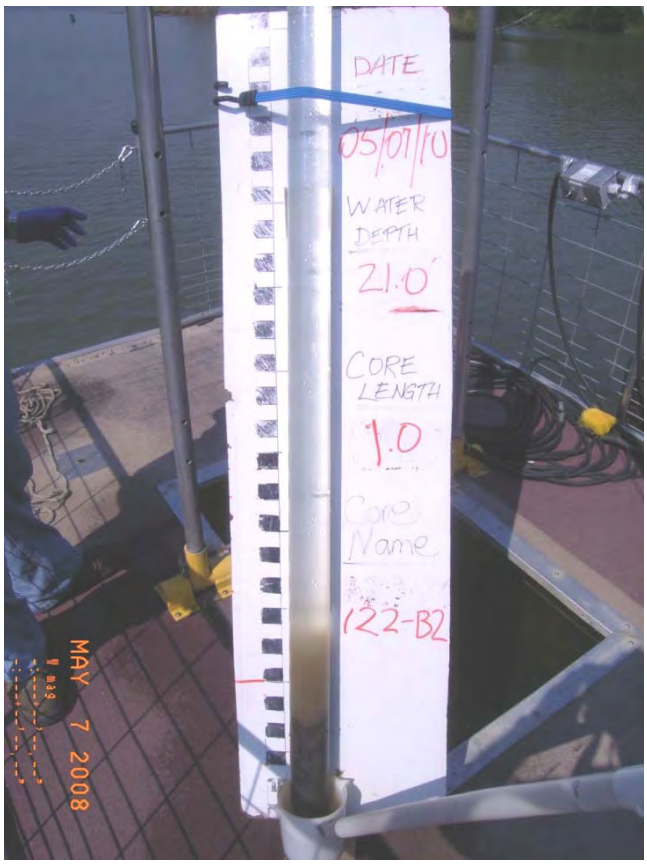
Core 121-B
Total core depth = 2.4’
Ash thickness = 0.0’
Water depth = 18.3’



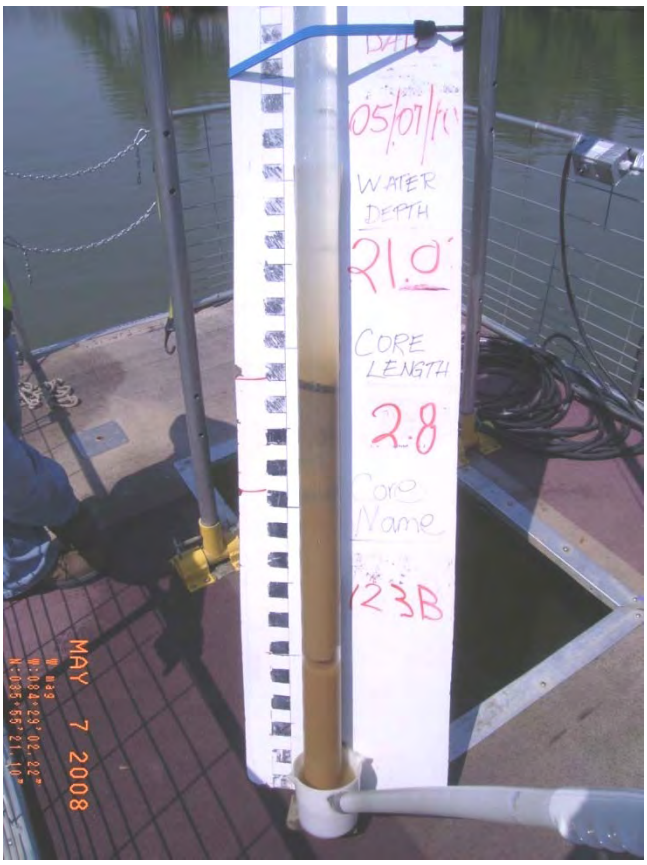
Core 122-B-1
Total core depth = 2.2’
Ash thickness = 0.0’
Water depth = 18.1’

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’