Agreement Log #: KIF-10-022

Time-Critical Concurrence

Area:

Emory River, Segment "Above Segment 5", Dredge Area Located in W corner of grid E-125, S corner of grid E-126, W corner of grid A-126 and, N corner of grid A-125

Agreement:

Eliminate planned dredging of dredge area grid areas located in W corner of grid E-125, S corner of grid E-126, W corner of grid A-126 and, N corner of grid A-125.
As indicated by bathymetry, this area showed a mound of ash at depths of 2-6 ft when compared with pre-spill surface elevation (See Figures 4 and 1). Two vibecore samples collected from within this area to confirm this assumption found only native soils (no ash) at either location.

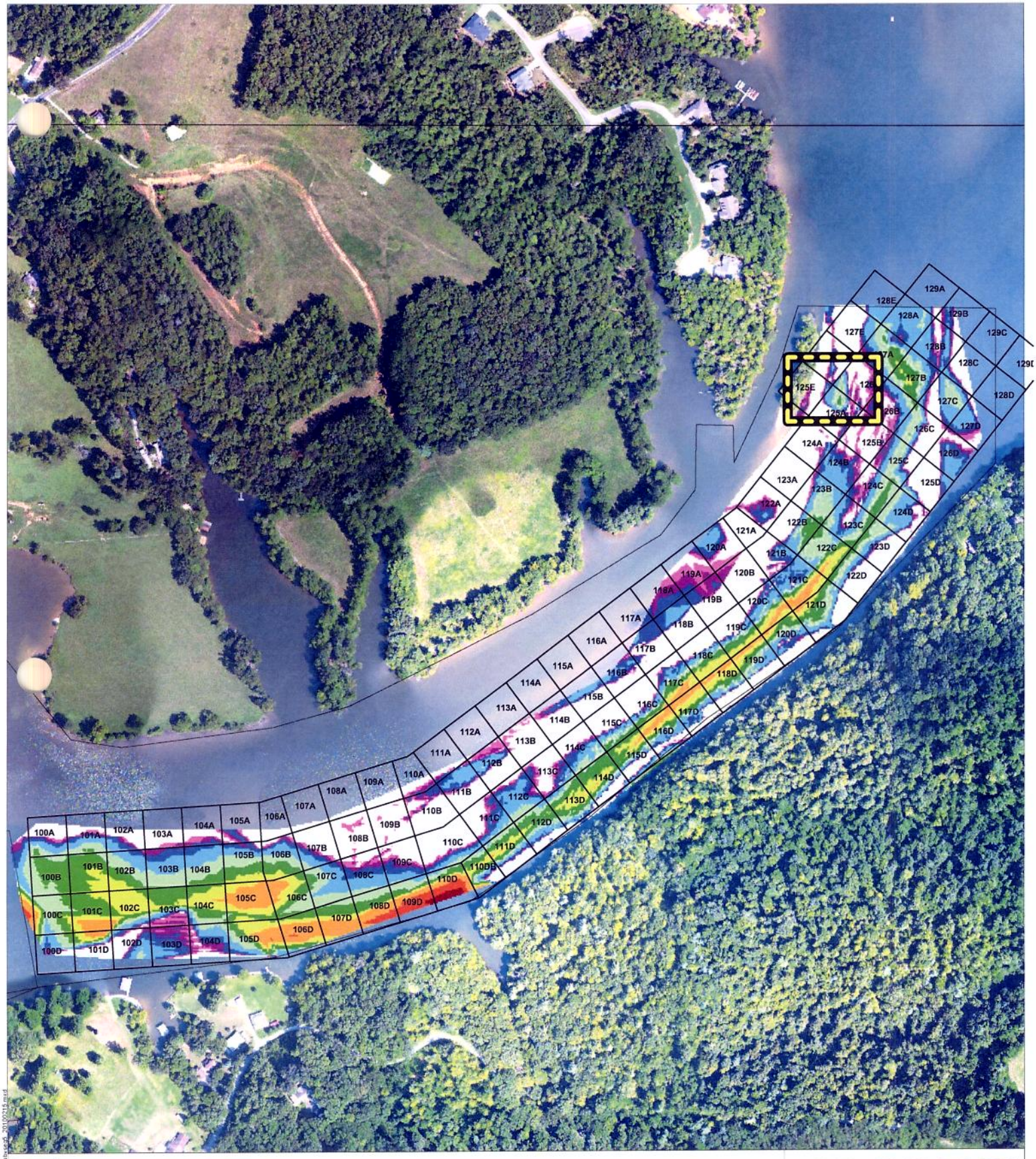
Attachments:
Figure 4, Ash Remaining to Pre-Spill Surface in Above Segment 5, dated 3/03/10
Figure 1, Ash Remaining to Pre-Spill Surface Above Segment 5, dated 4/13/10
Figure 2, Vibecore Concurrence Sampling Results for Locations AE 125/126–Above Segment 5, dated 5/4/10
Vibecores #125 A and #126AE Sampling Logs and Photos

Concurrence Comments:

Jacobs Project Manager — 5/5/10 Date

Tennessee Valley Authority — 5/5/10 Date

U. S. Environmental Protection Agency — Date



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

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Ash Remaining to Pre-Spill Surface Above Segment 5

NAME croberts DATE 03/03/2010

Figure 5

Legend

Ash Remaining as of 04/09/10: ~114,274 cy

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

Proposed Dredge Area

Area of Interest

Note: The depiction of volume remaining on this figure is based off of limited bathymetry data. For blocks A100-A102, B111-B112, B114-B118, C112, and D100-D104, the volume shown in these grids was not added to the volume total because vibecore sampling resulted in no ash present in these areas.

DRAFT

0 200 400 Feet

N

1:1,200

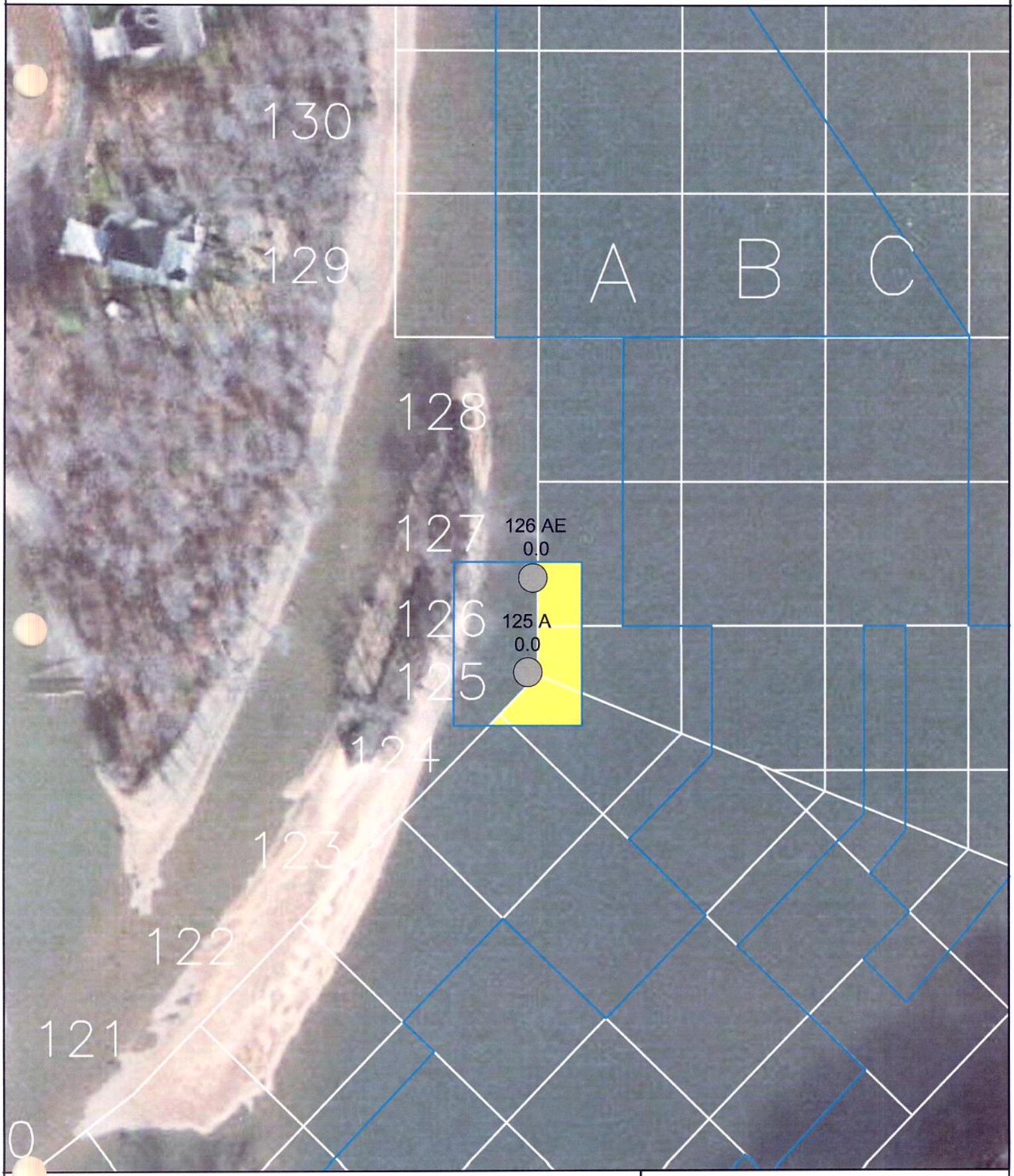
JACOBS

Ash Remaining to Pre-Spill Surface Above Segment 5

NAME: croberts DATE: 04/13/2010

Figure 1

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™

05/05/10

Figure 2

TVA
JACOBS

Vibecore Documentation

Date: 04/27/2010 Weather: Highs upper 50's. W winds 5 to 15 mph. Chance of rain 80 percen Location: Above Segment 5
River Flow: 1780 cfs River Elevation: 739.92'
Crew: David, Mathis, Tommy Davis, Katie Gassaway

Core #	Photo #	Tube Type	Core Coordinates	River Depth	Time
125 A	R0010533	6' Acrylic	N: 560911.86' E: 2448857.15'	14.4'	9:46

Deviations encountered: Resusal met

Core Description	Interval (ft)
Orange Sandy Clay, Refusal met.	0-1.1
Total Depth	1.1'

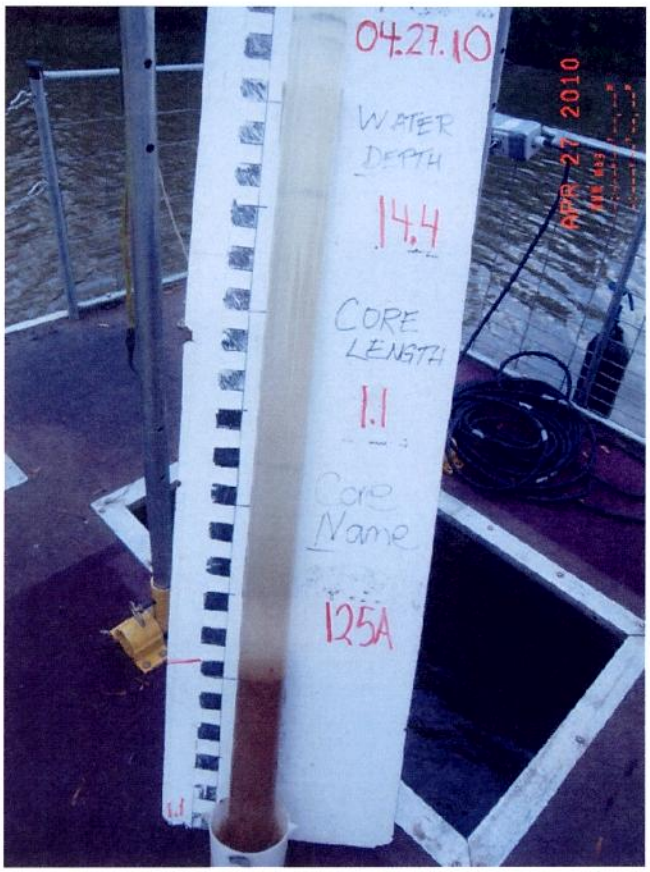
Core #	Photo #	Tube Type	Core Coordinates	River Depth	Time
126 AE	R0010534	6' Acrylic	N: 560993.12' E: 2448861.47'	18.'	10:04

Deviations encountered: Refusal met

Core Description	Interval (ft)
Orange Sandy Clay, Refusal met.	0-1.3
Total Depth	1.3'

Vibecore Sampling Photos

Above Segment 5 Dredge Areas AE-125/126



Core A-125
Total core depth =1.1'
Ash thickness = 0.0'
Water depth = 14.4'

Core AE-126
Total core depth = 1.3'
Ash thickness = 0.0'
Water depth = 18.0'