Agreement Log #: KIF-10-047

Time-Critical Concurrence

Area:
Emory River, Segment "Above Above 5", Area 1, Emory River mile 6.0 to 5.9

Agreement:

Segment "Above Above 5", Area 1, Emory River mile 6.0 to 5.9, the northern most area shown in the Dredge Plan Addendum, is removed from the planned dredging areas.

This area was initially located at the upstream extent of recoverable ash by extrapolating from a single vibecore that intercepted 1.4 ft of ash to surrounding vibecores that intercepted only native sediments.

The area was reduced to insignificant volume when the inferred ash deposit was remodeled using the U.S. Army Corps of Engineers' pre-spill bathymetry data, TVA post-spill bathymetry data, and the vibecore information.

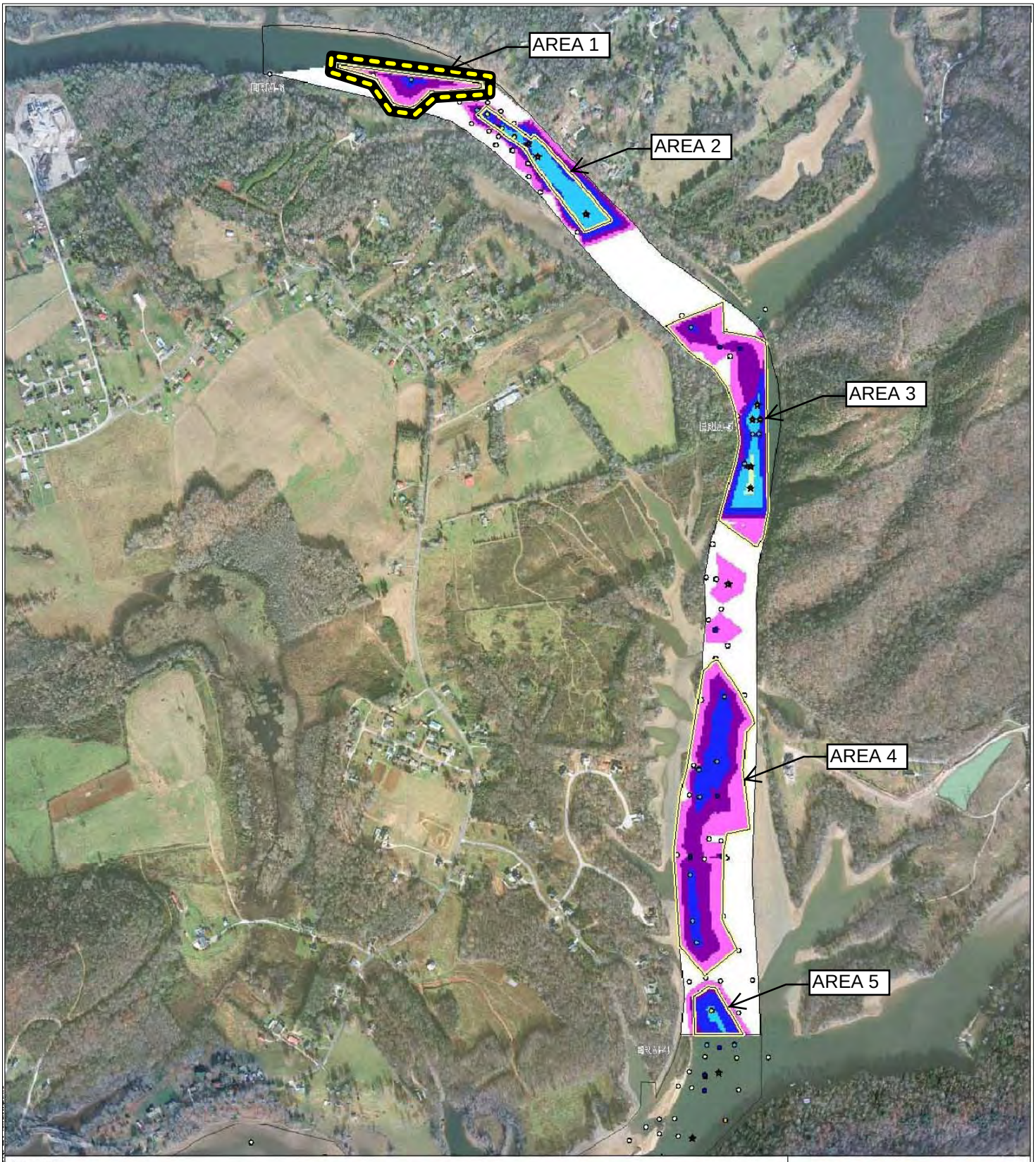
The result of the modeling study indicate that there is no recoverable ash in Segment "Above Above 5", Area 1, Emory River mile 6.0 to 5.9 and that the area should be removed from the Dredge Plan.

Attachments:
Figure 3, Ash Remaining to Pre-Spill Surface in Segment Above Above 5, dated 3/15/10
Figure 1, Ash Remaining to Pre-Spill Surface in Segment Above Above 5, dated 4/20/10
Figure 2, Area Removed from Dredge Plan, dated 5/18/10

Concurrence Comments:

Julie L Pfeiffer Jacobs Project Manager	5/18/10 Date
Kathryn Nash Tennessee Valley Authority	5/19/10 Date
[illegible] U.S. Environmental Protection Agency	5/20/10 Date

Consulted w/ TDEC



Legend

Ash Remaining: ~67,803 cy

- 0 - 1 inch; ~335 cy
- 1 - 6 inches; ~9,370 cy
- 6 inches - 1 ft; ~19,692 cy
- 1 - 2 ft; ~ 26,766 cy
- 2 - 4 ft; ~8,838 cy
- 4 - 6 ft; ~2,902 cy

Proposed Dredge Area

Vibecores Collected as of 02/25/2010; Thickness of Ash (ft)

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00
- 3.01 - 4.00
- 4.01 - 5.00
- 5.01 - 6.00

Vibecores Collected as of 02/25/2010; Minimum Thickness of Ash (ft). (Bottom of Ash is unknown.)

- 0.40 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00
- 3.01 - 4.00
- 4.01 - 5.00
- 5.01 - 6.00

Area of Interest

DRAFT

0 500 1,000 Feet

1:3,000

N

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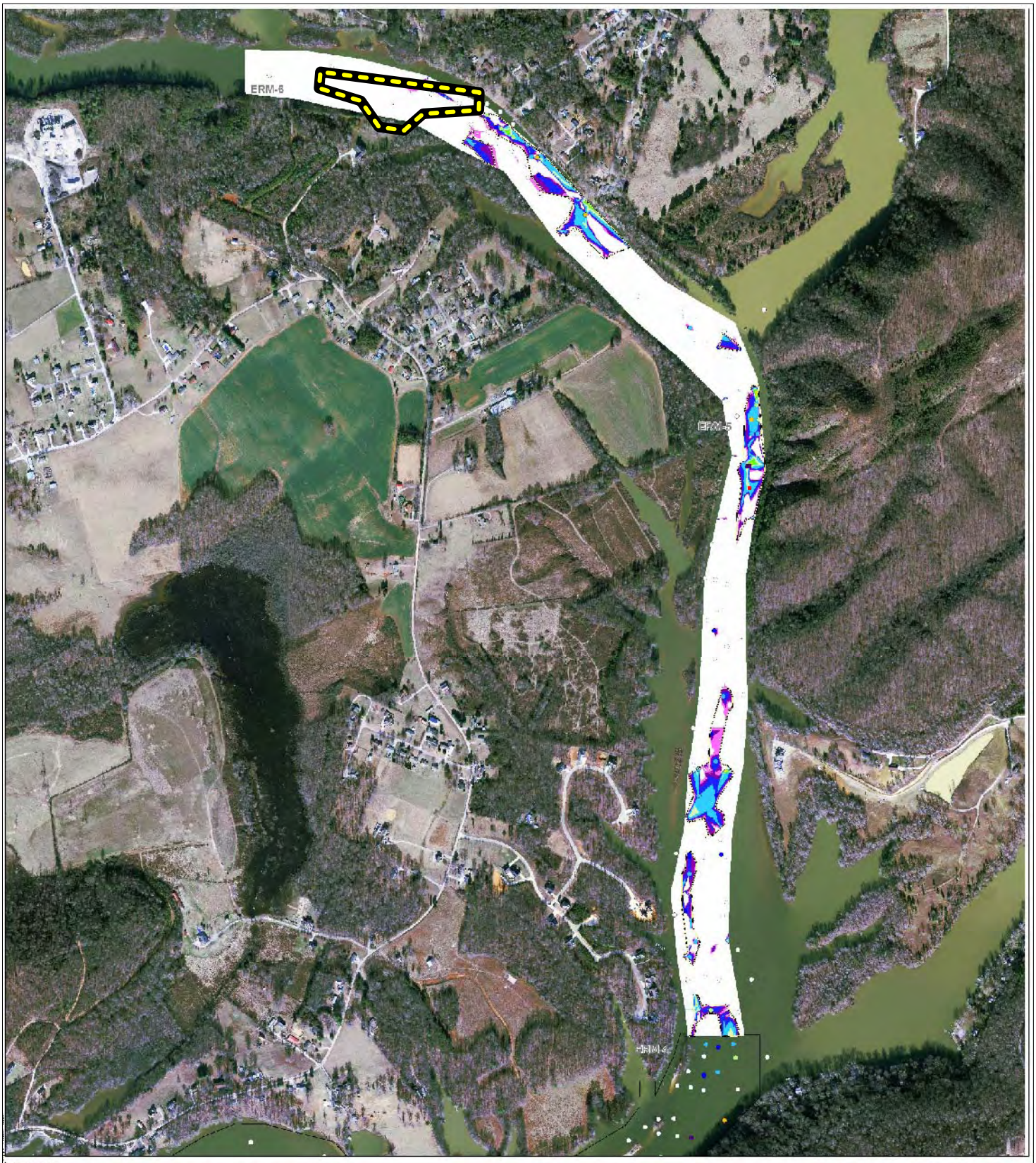
Ash Remaining to Pre-Spill Surface Above Above Segment 5

NAME: croberts DATE: 03/15/2010

Figure 3



Legend

Ash Remaining: 37,700 cy

- 0 - 1 inch: 78 cy
- 1 - 6 inches: 347 cy
- 6 inches - 1 ft: 3,580 cy
- 1 - 2 ft: 8,848 cy
- 2 - 4 ft: 15,766 cy
- 4 - 6 ft: 5,645 cy
- 6 - 8 ft: 1,750 cy
- 8 - 10 ft: 455 cy
- 10 - 15 ft: 77 cy

Vibecores Collected as of 04/01/2010;
Thickness of Ash (ft)

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00
- 3.01 - 4.00
- 4.01 - 5.00
- 5.01 - 8.00

Proposed Dredge Area

Area of Interest

DRAFT

0 500 1,000 Feet

N

1:3,000

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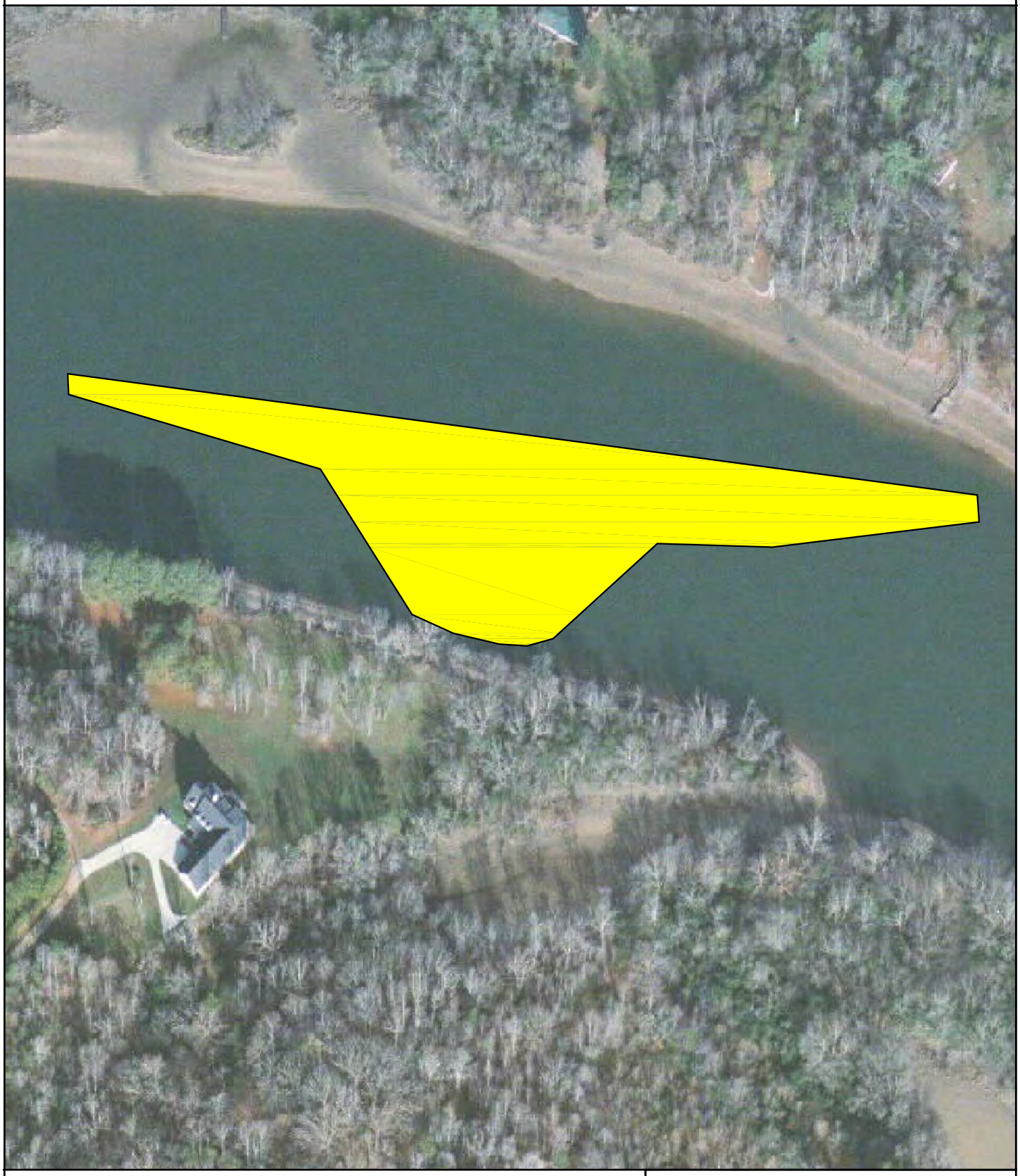
Ash Remaining to Pre-Spill Surface Above Above Segment 5

NAME: croberts DATE: 04/20/2010

Figure 1

Bathymetry Removal Areas - Above Above Segment 5



Removed From Plan

Phase 2 Dredging Path

0 75 150 300

SCALE IN FEET

N

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05/18/10

Figure 2