

Time-Critical Concurrence

Area: "Bob Summer's Road" area East of Dike 2

Agreement:

The ash and ash covered rock associated with "Bob Summers Road" adjacent to the East Embayment has been removed.

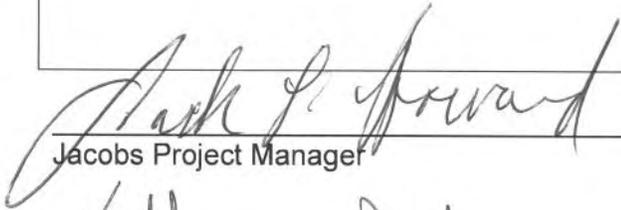
An area between the land mass containing the North Point and that on the west shore of the East Embayment from the North Point had been filled in shortly after the spill to construct access to the North Point area. Considerable amount of rock and a series of culverts were placed between the East Embayment and the main portion of Swan Pond Embayment on top of ash. The rock and ash were initially removed using amphibious excavators in late June 2010 with additional dredging using a barge-mounted crane with a clamshell conducted from August 4th through August 19th.

Vibecore sampling was used to assess residual conditions after the June excavator phase on June 30, 2010. The results indicated that there was an average of 2.5 ft of residual ash in the area. Mechanical excavation with a clamshell crane was scheduled to remove the remaining ash as located by the Vibecore sampling. The clamshell excavated ash from the area from August 4th to August 19th. A Jacobs' field technician observed the clamshell crane excavation noting depths of cuts and developed a photo record of the activities. The photo record confirms that the clamshell crane was reaching the underlying clay sediments throughout the "Bob Summers Road" area. Post dredging Vibecore sampling was conducted to confirm that ash was removed to original surface and also indicates that resettlement of suspended ash slurry has occurred to thicknesses from 0.5' to 1.7'.

Attachments:

- Figure 1, Bob Summer's Road Removal Area, dated 6/29/10
- Figure 2, Vibecore Concurrence Sampling Results – Bob Summers Road (Pre), dated 8/11/10
- Figure 3, Vibecore Concurrence Sampling Results – Bob Summers Road (Post), dated 8/20/10
- Figure 4, Volume of Ash Remaining- Bob Summers Road, dated 8/23/10
- VibeCore Sediment Sampling: Data Summary, Logs, and Photos
- Field Technician Daily Reports, dated 8/4/10, 8/5/10, 8/6/10, 8/7/10, 8/9/10, 8/10/10, 8/11/10, 8/17/10, 8/18/10, & 8/19/10
- Photo Record of Ash Recovery Excavation of Bob Summers Road Area

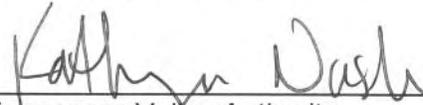
Concurrence Comments:



 Jacobs Project Manager

08/24/2010

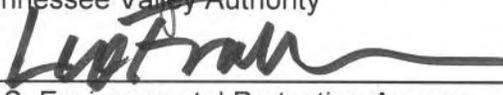
 Date



 Tennessee Valley Authority

8/24/10

 Date



 U. S. Environmental Protection Agency

8/24/10

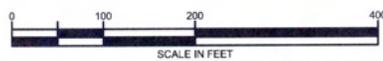
 Date

consulted w/ TBEC

Bob Summers Road Removal Area



 Area of Interest

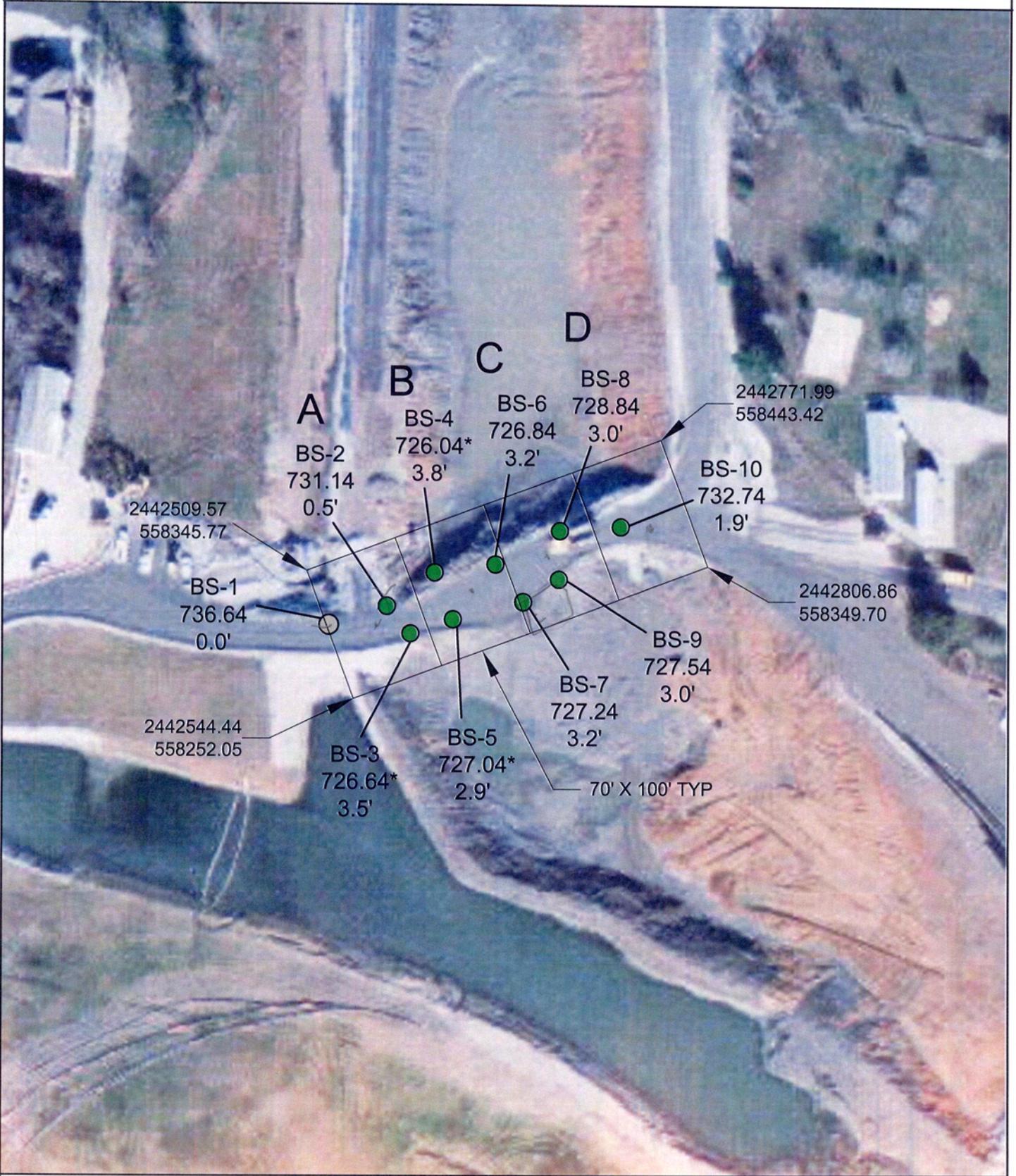


JACOBS

06/29/10

Figure 1

VibeCore Concurrence Sampling Results - Bob Summers Road



- Ash Recovered
- No Ash Present

VibeCore Label Format:
 Core Number
 Sediment Elevation
 Ash Thickness (ft)



* Bottomed in Ash

JACOBS

08/11/10

Figure 2

VibeCore Concurrence Sampling Results - Bob Summers Road



- Ash Recovered
- No Ash Present

* Bottomed in Ash

VibeCore Label Format:
 Core Number
 Sediment Elevation
 Ash Thickness (ft)



JACOBS

08/23/10

Figure 3

Volume of Ash Remaining at Bob Summers Road

VibeCore Results Ash Remaining (ft)

BS-1	0.0
BS Cell A	0.6
BS-2	0.5
Cell B1	0.8
Cell B2	1.7
BS Cell C2	1.7
Cell C2 (<50% Ash)	1.3*
BS Cell D (slurry)	1.7*
Cell C1 (<50% Ash)	0.6*
Average	0.88

* (not included in average)

Initial estimates utilized an average thickness of 2.5 ft resulting in approximately 2,600 yd³ of material to be removed. Overall, 4,300 yd³ were removed from the area. VibeCore samples resulted in an average thickness of 0.88 ft over the 28,000 ft² dredge area, which yields approximately 900 yd³ of material remaining.

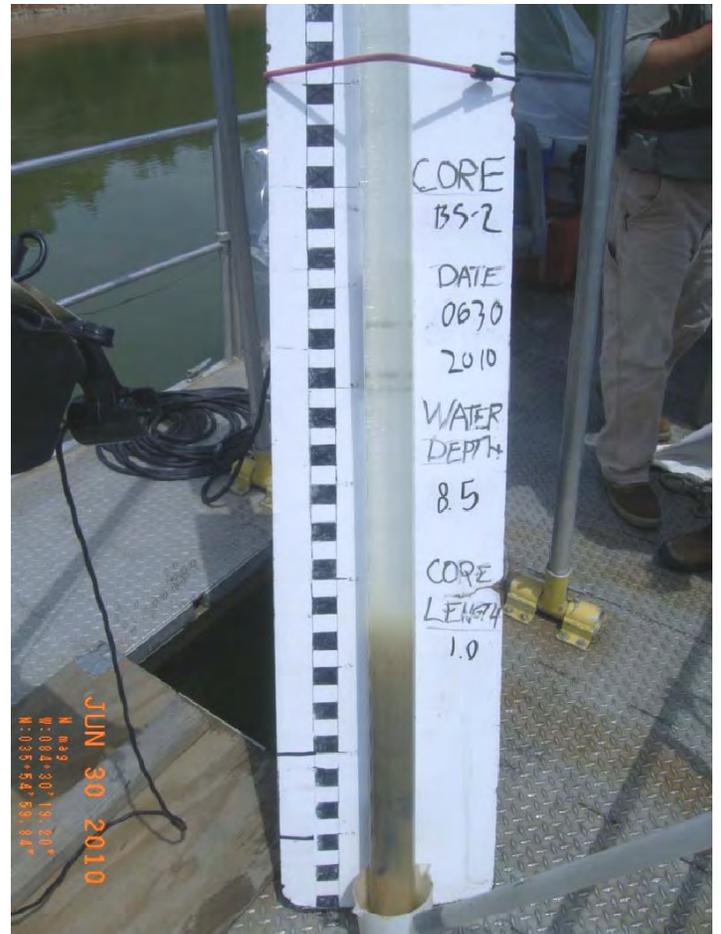
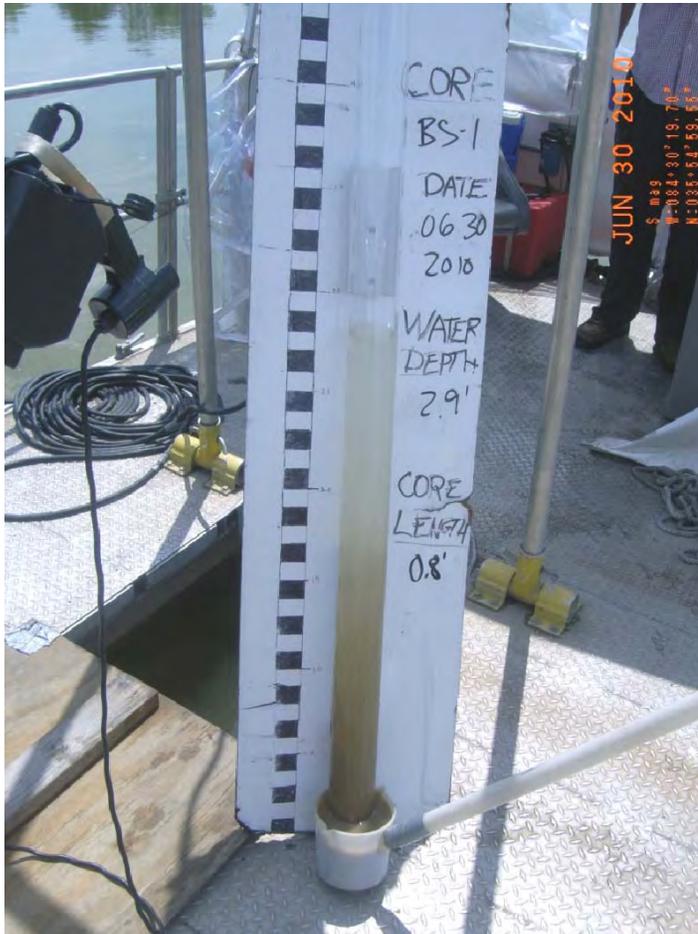


Vibecore Documentation

Date:		Weather:		Location:					
06/30/2010		Mostly Sunny with high near 88 degrees		East Embayment - Bob Summers Rd					
River Flow:		River Elevation:							
43 cfs		740.14'							
Crew:									
Mark Greer, Edward Arnold, Tom Touzeau									
Core #	Photo #	Tube Type	Core Coordinates		River Depth	Time	Core Description	Interval (ft)	Top/Bottom of Ash
BS-1	R0010669	Acrylic	N: 558306.63'	E: 2442526.07'	2.9'	11:58	No Ash - Fine Sandy Clay (Red)	0-0.6	
Deviations encountered: Core Met Refusal.								Total Depth	.6'
Core #	Photo #	Tube Type	Core Coordinates		River Depth	Time	Core Description	Interval (ft)	Top/Bottom of Ash
BS-2	R0010670	Acrylic	N: 558320.27'	E: 2442569.12'	8.5'	12:05	Ash and Coal Slag (>50% Ash)	0-0.5	5'
Deviations encountered: Core Met Refusal.								Total Depth	1.1'
Red Sandy Clay								0.5-1.0	
Core #	Photo #	Tube Type	Core Coordinates		River Depth	Time	Core Description	Interval (ft)	Top/Bottom of Ash
BS-3	R0010671	Acrylic	N: 558300.31'	E: 2442586.74'	10.1'	12:22	Ash >50%	0-2.9'	3.5'
Deviations encountered: Core Met Refusal.								Total Depth	3.5'
>50% Ash mixed with slag and silt								2.9-3.5	
Core #	Photo #	Tube Type	Core Coordinates		River Depth	Time	Core Description	Interval (ft)	Top/Bottom of Ash
BS-4	R0010672	Acrylic	N: 558344.66'	E: 2442604.52'	10.3'	12:33	>50% Ash	0-3	3.8'
Deviations encountered: Core Met Refusal.								Total Depth	3.8'
Slag and >50% Coarse Ash								3-3.8	
Core #	Photo #	Tube Type	Core Coordinates		River Depth	Time	Core Description	Interval (ft)	Top/Bottom of Ash
BS-5	R0010673	Acrylic	N: 558310.72'	E: 2442618.22'	10.2'	12:50	>50% Ash	0-2.9	2.9'
Deviations encountered: Core Met Refusal.								Total Depth	2.9'
Core #	Photo #	Tube Type	Core Coordinates		River Depth	Time	Core Description	Interval (ft)	Top/Bottom of Ash
BS-6	R0010674	Acrylic	N: 558350.76'	E: 2442649.58'	10.1'	12:58	>50% Ash	0-3.2	3.2'
Deviations encountered: Core Met Refusal.								Total Depth	4.1'
Grey Sandy Clay with chert rock fragments								3.2-4	
Core #	Photo #	Tube Type	Core Coordinates		River Depth	Time	Core Description	Interval (ft)	Top/Bottom of Ash
BS-7	R0010675	Acrylic	N: 558323.47'	E: 2442670.14'	9.7'	13:10	>50% Ash	0-3.2	3.2'
Deviations encountered: Core Met Refusal.								Total Depth	3.5'
Medium to fine grain sands								3.2-3.5	
Core #	Photo #	Tube Type	Core Coordinates		River Depth	Time	Core Description	Interval (ft)	Top/Bottom of Ash
BS-8	R0010676	Acrylic	N: 558375.71'	E: 2442697.25'	8.3'	13:21	>50% Ash	0-3	3.1'
Deviations encountered: Core Met Refusal.								Total Depth	3.5'
Red sandy clay								3-3.5	
Core #	Photo #	Tube Type	Core Coordinates		River Depth	Time	Core Description	Interval (ft)	Top/Bottom of Ash
BS-9	R0010677	Acrylic	N: 558339.84'	E: 2442696.58'	9.6'	13:32	>50% Ash	0-3	3.1'
Deviations encountered: Core Met Refusal.								Total Depth	3.5'
Red Sandy Clay								3-3.5	
Core #	Photo #	Tube Type	Core Coordinates		River Depth	Time	Core Description	Interval (ft)	Top/Bottom of Ash
BS-10	R0010678	Acrylic	N: 558378.83'	E: 2442742.39'	5.5'	13:38	>50% Ash	0-1.9	1.9'
Deviations encountered: Core Met Refusal.								Total Depth	2.5'
Red Sandy Clay								1.9-2.5	

Vibecore Sampling Photos

Bob Summers Rd - East Embayment Area



Core BS-1

Total core depth = 0.6'

Ash thickness = 0'

Water depth = 2.9'

Core BS-2

Total core depth = 1.0'

Ash thickness = 0.5'

Water depth = 8.5'

Vibecore Sampling Photos

Bob Summers Rd - East Embayment Area



Core BS-3

Total core depth = 3.5'

Ash thickness = 3.5'

Water depth = 10.0'



Core BS-4

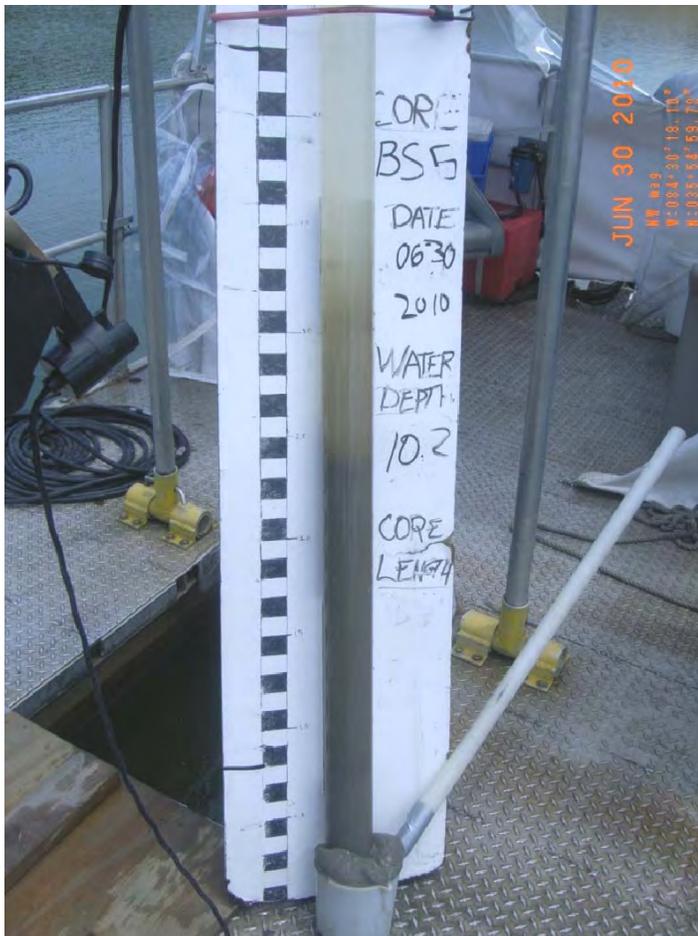
Total core depth = 3.8'

Ash thickness = 3.8'

Water depth = 10.3'

Vibecore Sampling Photos

Bob Summers Rd - East Embayment Area



Core BS-5

Total core depth = 2.9'

Ash thickness = 2.9'

Water depth = 10.2'

Core BS-6

Total core depth = 4.0'

Ash thickness = 3.2'

Water depth = 10.1'

Vibecore Sampling Photos

Bob Summers Rd - East Embayment Area

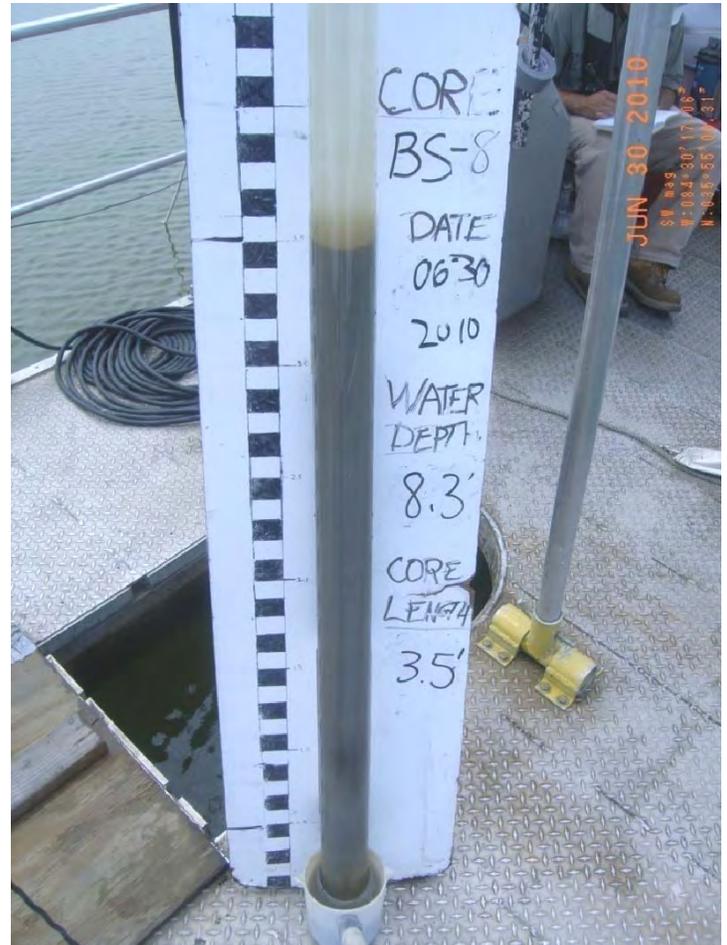


Core BS-7

Total core depth = 3.5'

Ash thickness = 3.2'

Water depth = 9.7'



Core BS-8

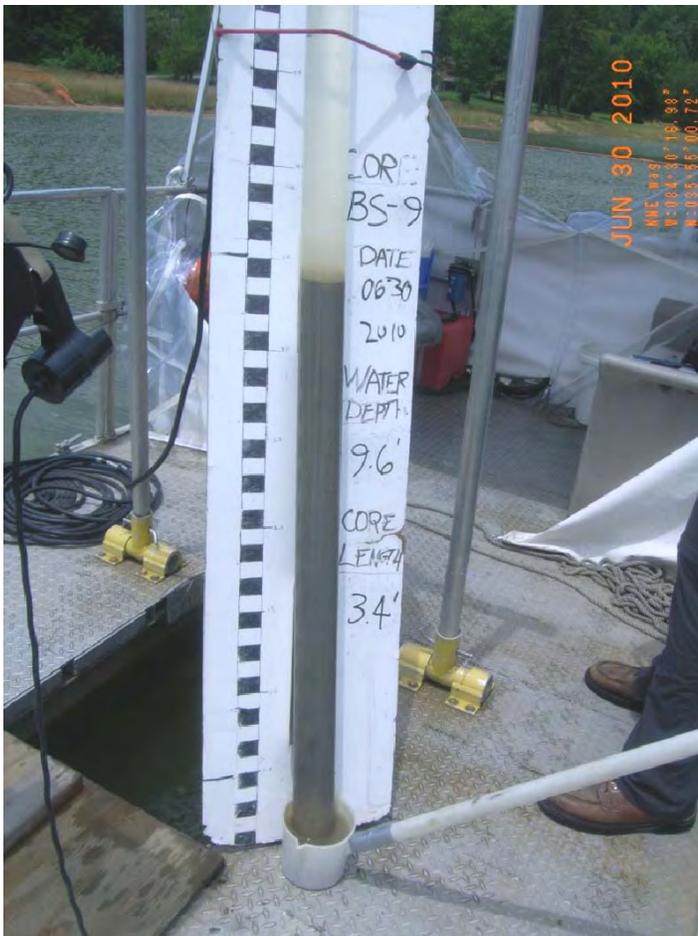
Total core depth = 3.5'

Ash thickness = 3.0'

Water depth = 8.3'

Vibecore Sampling Photos

Bob Summers Rd - East Embayment Area

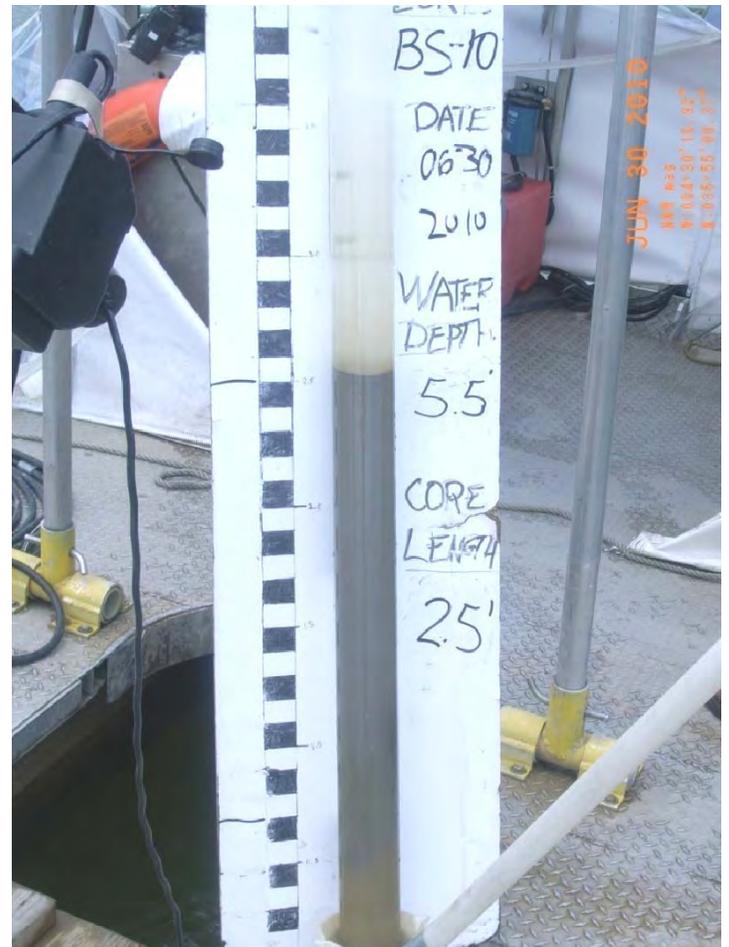


Core BS-9

Total core depth = 3.5'

Ash thickness = 3.0'

Water depth = 9.6'



Core BS-10

Total core depth = 2.5'

Ash thickness = 1.9'

Water depth = 5.5'

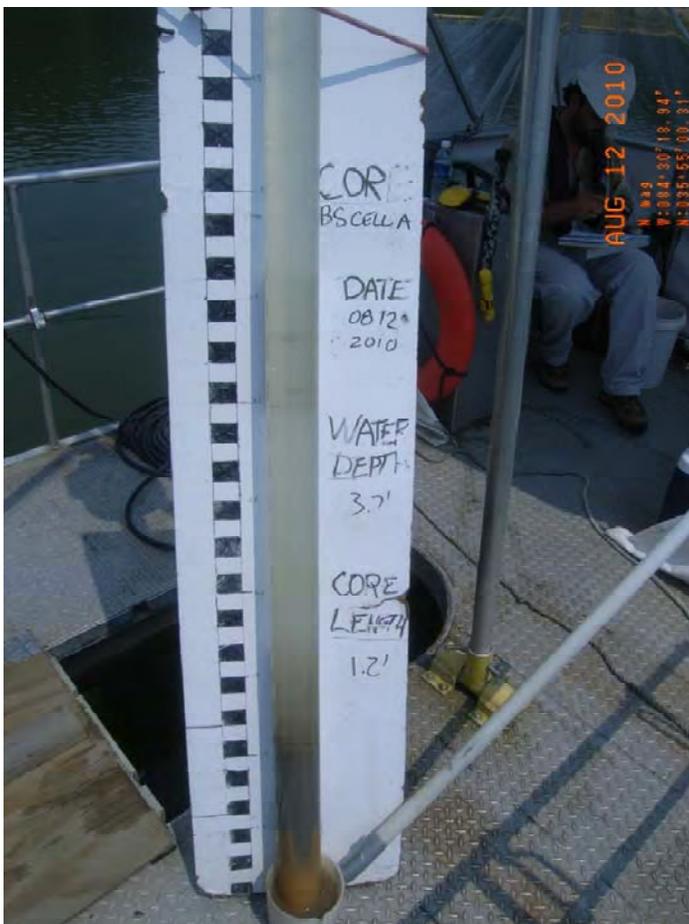


Vibecore Documentation

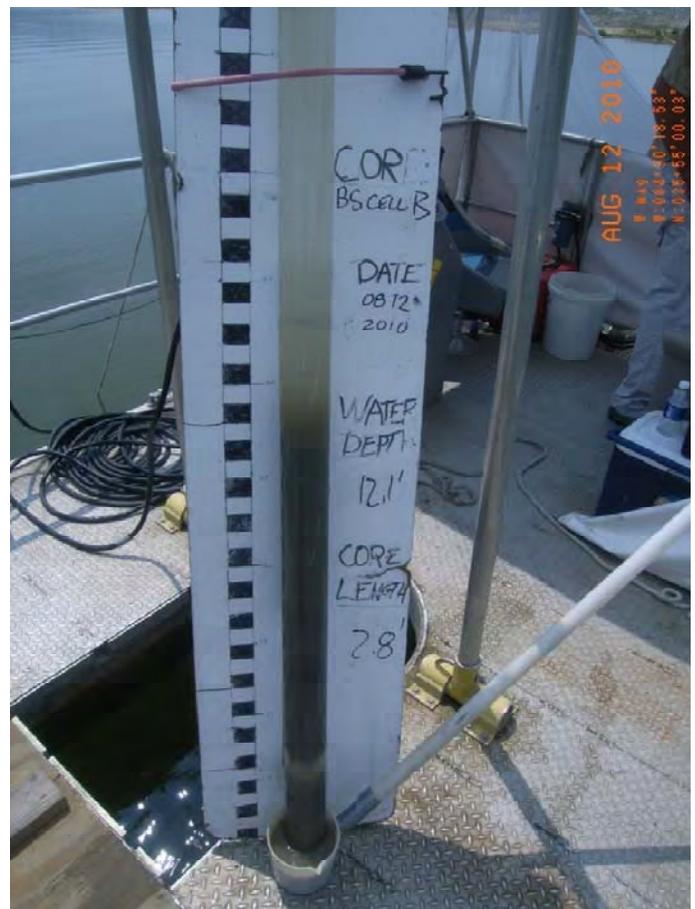
Date: 08/12/2010		Weather: Sunny and hot		Location: East Embayment-Former Bob Summers Road				
River Flow: 130cfs		River Elevation: 740.48'						
Crew: E. Arnold, D. Craze, D. Mathis								
Core #	Photo #	Tube Type	Core Coordinates		River Depth	Time	Core Description	Interval (ft)
BS Cell A	R0010733	Acrylic	N: 558330.99'	E: 2442553.7'	3.7'	12:54	Mixed fines, ash and sand (<50% ash)	0.0-0.6
Deviations encountered: Refusal met.							Orange sandy clay	0.6-1.2
							Total Depth	1.2'
Core #	Photo #	Tube Type	Core Coordinates		River Depth	Time	Core Description	Interval (ft)
BS Cell B	R0010734	Acrylic	N: 558349.59'	E: 2442622.35'	12.1'	13:30	Grey ash (>50%)	0.0-2.2
Deviations encountered: Refusal met.							Brown sand and chert	2.2-2.8
							Total Depth	2.8'
Core #	Photo #	Tube Type	Core Coordinates		River Depth	Time	Core Description	Interval (ft)
BS Cell B	R0010735	Acrylic	N: 558374.21'	E: 2442674.93'	11.2'	13:38	Grey ash (>50%)	0.0-3.0
Deviations encountered:							Orange sandy clay	3.0-3.4
							Total Depth	3.4'
Core #	Photo #	Tube Type	Core Coordinates		River Depth	Time	Core Description	Interval (ft)
BS Cell D	R0010736	Acrylic	N: 558396.12'	E: 2442755.92'	4.4'	13:55	Grey ash (>50%) with coal slag at bottom	0.0-1.7
Deviations encountered: Refusal met.								
							Total Depth	1.7'

Vibecore Sampling Photos

Bob Summers Rd-East Embayment Area



Core BS Cell A
Total core depth = 1.2'
Ash thickness = 0.6'
Water depth = 3.7'



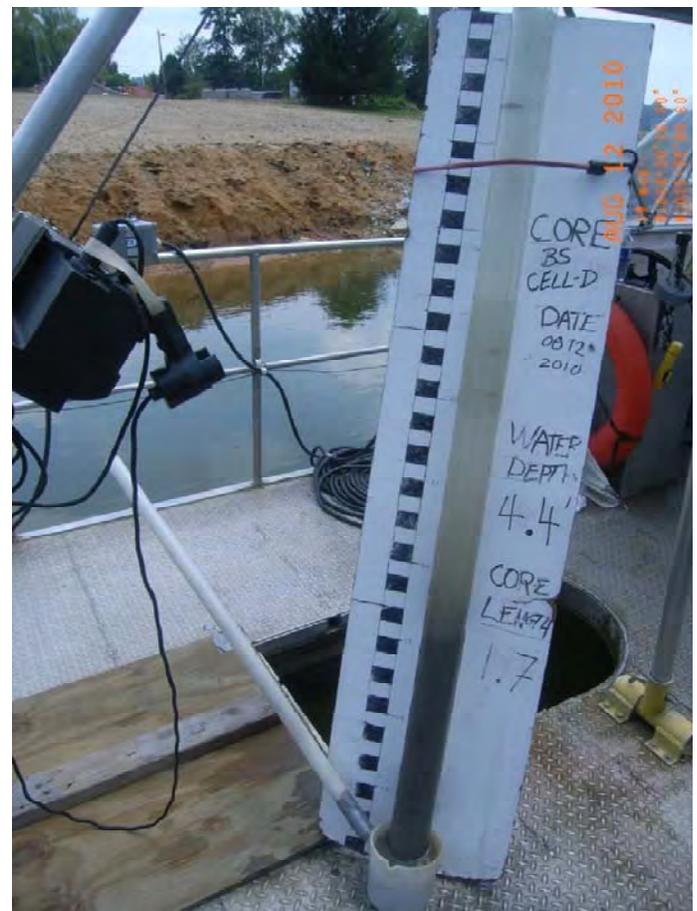
Core BS Cell B
Total core depth = 2.8'
Ash thickness = 2.2'
Water depth = 12.1'

Vibecore Sampling Photos

Bob Summers Rd-East Embayment Area



Core BS Cell C
Total core depth = 3.4'
Ash thickness = 3.0'
Water depth = 11.2'



Core BS Cell D
Total core depth = 1.7'
Ash thickness = 1.7'
Water depth = 4.4'



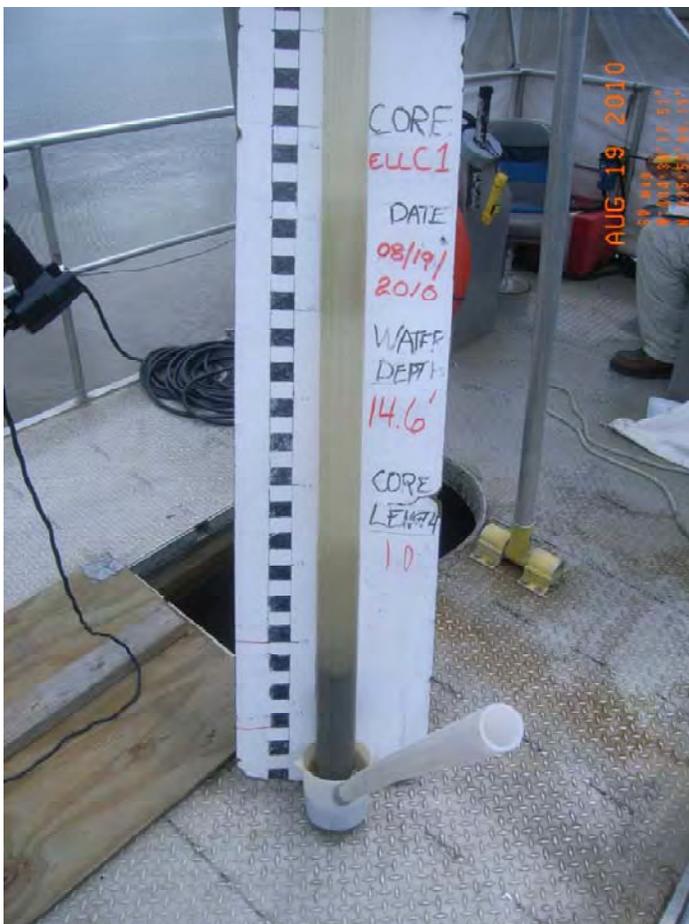
Vibecore Documentation

Date: 08/19/2010 Weather: Sunny and windy Location: East Embayment-Former Bob Summers Road
 River Flow: 1590cfs River Elevation: 740.5'
 Crew: E. Arnold, D. Craze

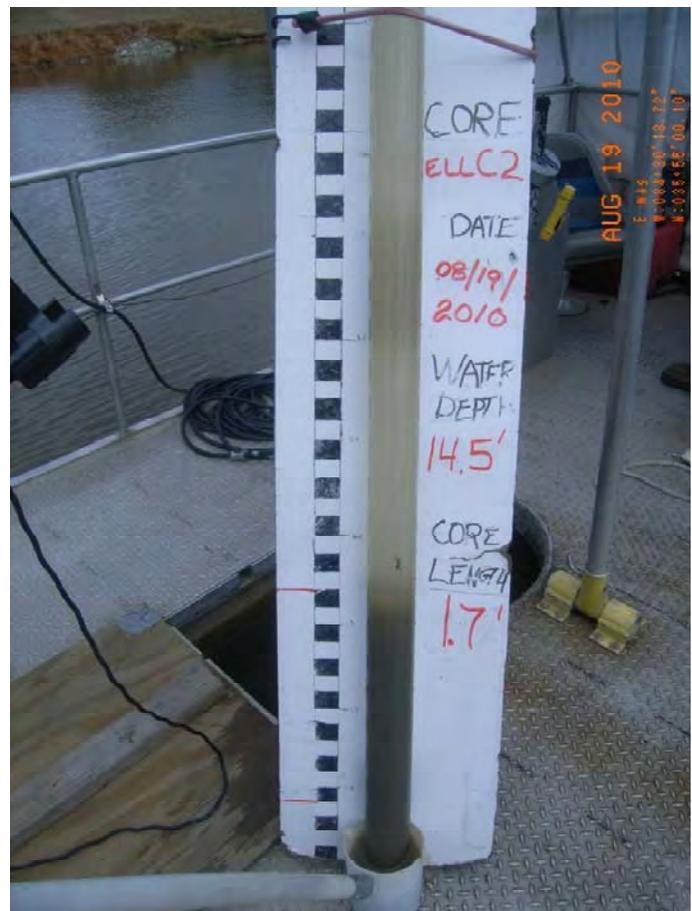
Core #	Photo #	Tube Type	Core Coordinates	River Depth	Time	Core Description	Interval (ft)
Cell C1	R0010739	Acrylic	N: 558380.63' E: 2442684.74'	14.6'	15:15	Mixed fines and ash (>50% ash)	0.0-0.6
Deviations encountered: Refusal met.						Orange sandy clay	0.6-1.0
						Total Depth	1.0'
Cell C2	R0010740	Acrylic	N: 558374.38' E: 2442652.74'	14.5'	15:28	Mixed fines and ash (<50% ash)	0.0-1.3
Deviations encountered: Refusal met.						Brown sandy clay	1.3-1.7
						Total Depth	1.7'
Cell B1	R0010741	Acrylic	N: 558374.21' E: 2442674.93'	11.2'	13:38	Grey ash (>50%)	0.0-0.8
Deviations encountered: Refusal met.						Orange sandy clay	0.8-1.1
						Total Depth	1.1'
Cell B2	R0010742	Acrylic	N: 558396.12' E: 2442755.92'	4.4'	13:55	Mixed fines and ash slurry (>50% ash)	0.0-1.7
Deviations encountered: Very loose material likely due to dredging immediately prior to coring.							
						Total Depth	1.7'

Vibecore Sampling Photos

Bob Summers Rd-East Embayment Area



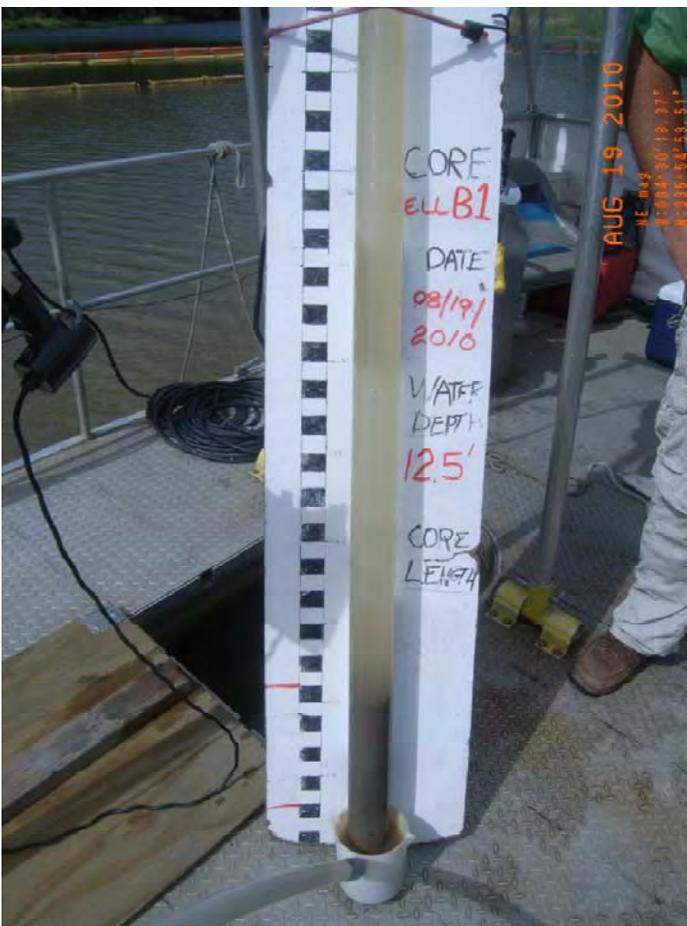
Core C1
Total core depth = 1'
Ash thickness = 0.6'
Water depth = 14.6'



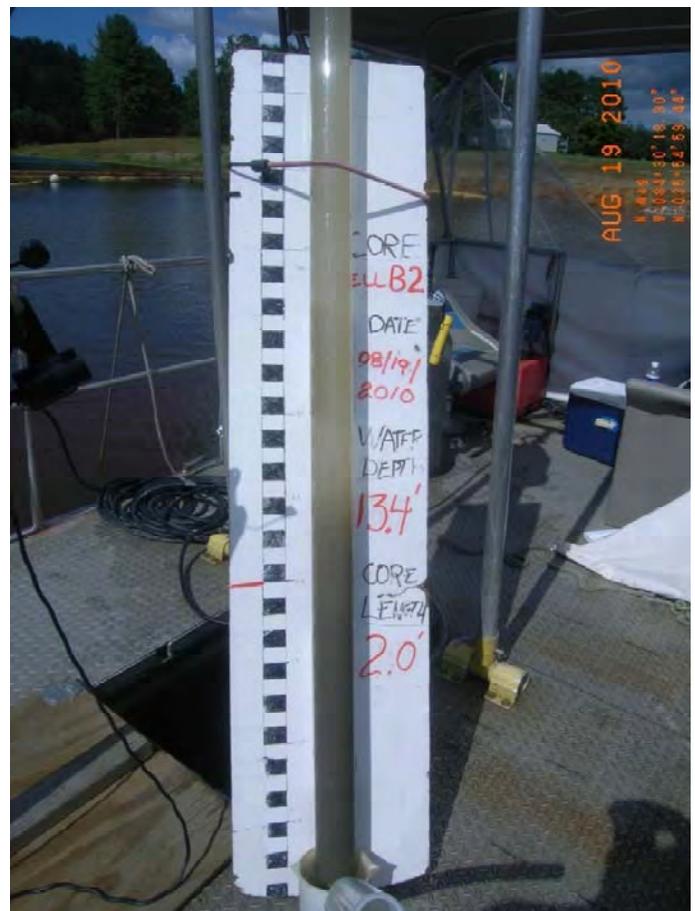
Core C2
Total core depth = 1.7'
Ash thickness = 0'
Water depth = 14.5'

Vibecore Sampling Photos

Bob Summers Rd-East Embayment Area



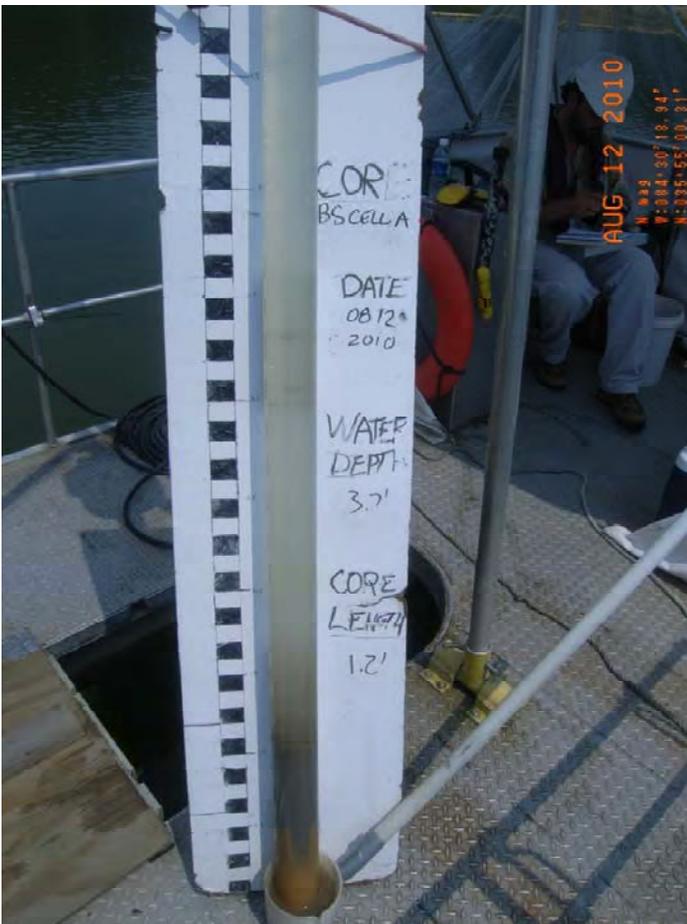
Core B1
Total core depth = 1.1'
Ash thickness = 0.8'
Water depth = 11.2'



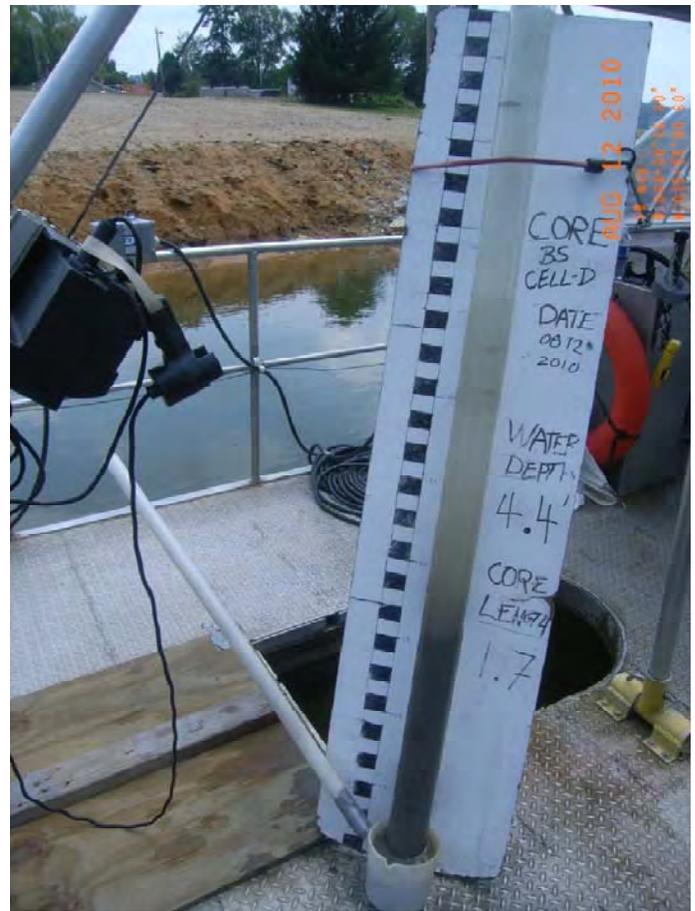
Core B2
Total core depth = 1.7'
Ash thickness = 1.7'
Water depth = 4.4'

Vibecore Sampling Photos

Bob Summers Rd-East Embayment Area



Core BS Cell A
Total core depth = 1.2'
Ash thickness = 0.6'
Water depth = 3.7'



Core BS Cell D
Total core depth = 1.7'
Ash thickness = 1.7'
Water depth = 4.4'



Kingston Ash Recovery Project
Dredging and Ash Processing
Daily Report

REPORT DATE & DAY OF WEEK: 8/4/10 Wednesday

WEATHER: Fair 93F

SAFETY/JSAS REVIEWED:

VISITORS: (Identify by name, affiliation and purpose of visit)

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK PLAN: (Identify activities by Contractor and area)

Aquarius Mechanical dredging- boarded dredging operation @11:35; Tasks that were ongoing upon arrival Turbidity curtain positioning, barge positioning, oiling and greasing equipment; Barge #501 is drafting 7' upon my arrival; Crane broke down @13:45(cable that closes bucket sheared off); Shut down due to weather @14:47-15:30; Dredging Ash with min. amounts of native sediment; 1 barge loaded today (barge was not completely unloaded when delivered to the dredging site)

NONCONFORMING WORK: (Identify by Contractor and area)

none

VERBAL INSTRUCTIONS GIVEN OR RECEIVED: (Identify person instructions were given to or received from)

ISSUES: (Specify if assistance is needed to resolve issue)

PLANNED ACTIVITIES (Identify activities by Contractor and area)

SUBMITTED BY: Walter R. Burns

DATE: 8/4/10



Kingston Ash Recovery Project
Dredging and Ash Processing
Daily Report

REPORT DATE & DAY OF WEEK: 8/5/10 Wednesday

WEATHER: Fair 78F

SAFETY/JSAS REVIEWED:

VISITORS: (Identify by name, affiliation and purpose of visit)

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK PLAN: (Identify activities by Contractor and area)

Aquarius Mechanical dredging- Mechanical dredging started @10:17 on Bob Summer's road. Today we used a TVA barge to load material out. Approximately 1.25 cells were completed by the end of the day. Starting coordinates for the Aquarius are 558217.97N 2442770.13E. Due to weather shut downs only one barge was loaded and delivered to the dock. The Aquarius was dredging ash, rock, and minimal amounts of clay. Several photos were taken throughout the day picture # 0643, 0644, 0645, 0646, and 0647. These photos represent the material that was being dredged.

NONCONFORMING WORK: (Identify by Contractor and area)

none

VERBAL INSTRUCTIONS GIVEN OR RECEIVED: (Identify person instructions were given to or received from)

ISSUES: (Specify if assistance is needed to resolve issue)

PLANNED ACTIVITIES (Identify activities by Contractor and area)

SUBMITTED BY: Walter R. Burns

DATE: 8/5/10



Kingston Ash Recovery Project
Dredging and Ash Processing
Daily Report

REPORT DATE & DAY OF WEEK: 8/6/10 Friday

WEATHER: Fair 90F

SAFETY/JSAS REVIEWED:

VISITORS: (Identify by name, affiliation and purpose of visit)

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK PLAN: (Identify activities by Contractor and area)

Aquarius Mechanical dredging- Positioning barge#504 @9:03; Completing misc. task including oiling, greasing, turbidity curtain; Dredging by 9:50 in the Northern most portion of Cell D; Photo #R0010437, R0010438, R0010439, and R0010443 represent material dredged in cell D; @ 11:07 starting to show an abundance of native material in Cell C; Photo #R0010440, R0010441, and R0010442 show our finding; Shut down from 12:49-13:36; Aquarius informed me that the material appears to be migrating to the low spots in the river; Spinning barge around to load the bow, Tug/barge got stuck east of dike2 while attempting to reenter dredge location (stuck from 15:00-15:45); Dredging started again @15:50; Collected coordinates from Aquarius to match photos; Disregard photo #R0010445; Loaded 1 barge today

NONCONFORMING WORK: (Identify by Contractor and area)

none

VERBAL INSTRUCTIONS GIVEN OR RECEIVED: (Identify person instructions were given to or received from)

ISSUES: (Specify if assistance is needed to resolve issue)

PLANNED ACTIVITIES (Identify activities by Contractor and area)

SUBMITTED BY: Walter R. Burns

DATE: 8/6/10



Kingston Ash Recovery Project
Dredging and Ash Processing
Daily Report

REPORT DATE & DAY OF WEEK: 8/7/10 Saturday

WEATHER: Fair 95F

SAFETY/JSAS REVIEWED:

VISITORS: (Identify by name, affiliation and purpose of visit)

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK PLAN: (Identify activities by Contractor and area)

Aquarius Mechanical dredging- Started dredging @9:06, loading TVA barge #218689; Dredging in Cell C (E4 according to Aquarius grid); Water depth in this area is shallow 3-4'; Appears the ash is migrating to the channel as dredging disturbs the ash; This area of cell C has large amounts of ash, Aquarius loaded this entire barge without having to move, working an area of 20'X50'; Aquarius did hit some rock but mostly ash; Aquarius had TVA barge #218689 loaded by 12:45; The entire dredging operation was moved down to the south dock to assist TVA with unloading of barges because all barges are full of material. Loaded 1 barge today

NONCONFORMING WORK: (Identify by Contractor and area)

none

VERBAL INSTRUCTIONS GIVEN OR RECEIVED: (Identify person instructions were given to or received from)

ISSUES: (Specify if assistance is needed to resolve issue)

PLANNED ACTIVITIES (Identify activities by Contractor and area)

SUBMITTED BY: Walter R. Burns

DATE: 8/7/10



Kingston Ash Recovery Project
Dredging and Ash Processing
Daily Report

REPORT DATE & DAY OF WEEK: 8/9/10 Monday

WEATHER: Hot 90F

SAFETY/JSAS REVIEWED: Aquarius SPAs were reviewed.

VISITORS: (Identify by name, affiliation and purpose of visit)

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK PLAN: (Identify activities by Contractor and area)

Aquarius Mechanical dredging- Aquarius was assisting Civil Project with unloading barges; Dredging started @11:20; Still working in Cell C (D4/E4) , water depth shallow 3-4' photos taken(R010453); 3"-6" of soft ash on top of 3'-5' of compacted ash in Cell C; the soft ash appears to be migrating to the deeper pockets of river channel; Some dredging outside of cell C; Loaded TVA barge #218689 by 14:39; Started loading barge #504 immediately; Continued loading barge #504 until my departure @16:16. 1 barge loaded and delivered to the dock, started loading barge 504 (not completely loaded by the end of shift).

NONCONFORMING WORK: (Identify by Contractor and area)

none

VERBAL INSTRUCTIONS GIVEN OR RECEIVED: (Identify person instructions were given to or received from)

ISSUES: (Specify if assistance is needed to resolve issue)

PLANNED ACTIVITIES (Identify activities by Contractor and area)

SUBMITTED BY: Walter R. Burns

DATE: 8/9/10



Kingston Ash Recovery Project
Dredging and Ash Processing
Daily Report

REPORT DATE & DAY OF WEEK: 8/10/10 Tuesday

WEATHER: 95F

SAFETY/JSAS REVIEWED: Signed Pre-Job briefing and SPA

VISITORS: (Identify by name, affiliation and purpose of visit)

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK PLAN: (Identify activities by Contractor and area)

Aquarius Mechanical dredging- Spinning 504 barge around to load the other end @8:03; Dredging ash in Cell C @8:52; Starting to show native material by 9:15 in Cell C; Moved and started dredging in Cell B toward the center of the cell locating some ash/native material mix ; Loaded 504 barge by 12:45, had minor issues with the barge drafting too much, did not cause a long delay; Aquarius assisted Civil Projects @ South Dock by positioning barges to be unloaded; Barge 501 was back @ the dredging location by 14:47; Aquarius began to load the 501 from material being dredged from the Northern end of Cell A/B and quickly hit native material; Starting dredging entirely in Cell A by 15:09; I departed for shore @ 16:14; they began to level barge 501 up and preparing to depart for the South Dock. 2 barges loaded today

NONCONFORMING WORK: (Identify by Contractor and area)

none

VERBAL INSTRUCTIONS GIVEN OR RECEIVED: (Identify person instructions were given to or received from)

ISSUES: (Specify if assistance is needed to resolve issue)

PLANNED ACTIVITIES (Identify activities by Contractor and area)

SUBMITTED BY: Walter R. Burns

DATE: 8/10/10



Kingston Ash Recovery Project
Dredging and Ash Processing
Daily Report

REPORT DATE & DAY OF WEEK: 8/11/10 Wednesday

WEATHER: Fair 95F

SAFETY/JSAS REVIEWED: Signed Aquarius Pre-job briefing

VISITORS: (Identify by name, affiliation and purpose of visit)

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK PLAN: (Identify activities by Contractor and area)

Aquarius Mechanical dredging- Aquarius started dredging @8:57 in Cell A; Loading TVA barge# 218689; Dredging native material, shot rock, and ash; Started locating more ash as we moved toward the southern end of Cell A(b4), closer to the channel; On average I would say that the clamshell showed 3"-6" ash/ native material in cell A; Encountered more shot rock in cell A, than we did in any other cell; The ash consistency appeared to be a soupy ash not as compacted as observed in other cells; We worked toward the channel hoping any excess material would migrate toward the dredging operation; After observing numerous buckets of native material @13:30, I thought we had done all we could, without doing considerable amounts of over dredging. TVA barge #218689 departed for the south dock @13:42; 1 barge loaded today

NONCONFORMING WORK: (Identify by Contractor and area)

none

VERBAL INSTRUCTIONS GIVEN OR RECEIVED: (Identify person instructions were given to or received from)

ISSUES: (Specify if assistance is needed to resolve issue)

PLANNED ACTIVITIES (Identify activities by Contractor and area)

SUBMITTED BY: Walter R. Burns

DATE: 8/11/10



Kingston Ash Recovery Project
Dredging and Ash Processing
Daily Report

REPORT DATE & DAY OF WEEK: 8/17/10 Tuesday

WEATHER: Overcast

SAFETY/JSAS REVIEWED: Signed Pre-Job briefing

VISITORS: (Identify by name, affiliation and purpose of visit)

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK PLAN: (Identify activities by Contractor and area)

Aquarius Mechanical dredging- Started dredging @8:17 in Cell B; Loading barge 501; Digging to a min depth of 14' just below elevation 726'; using Aquarius clamshell bucket to measure the depth, its length is 14' with the bucket open; observed Aquarius digging several buckets of a single area and digging native material in each buckets but also showing 1'-2' of ash on top of native material; Barge 501 is full @13:04, barge got stuck on it departure from dredging site; Aquarius is sweeping the river bottom @ an estimated elevation of 726 trying to locate an high spots; Loading barge 504 @14:49 for cell B/C; Loaded this barge until 18:00, not dredging much native material while loading barge 504; **1 barge delivered to the dock barge #501**

NONCONFORMING WORK: (Identify by Contractor and area)

none

VERBAL INSTRUCTIONS GIVEN OR RECEIVED: (Identify person instructions were given to or received from)

ISSUES: (Specify if assistance is needed to resolve issue)

PLANNED ACTIVITIES (Identify activities by Contractor and area)

SUBMITTED BY: Walter R. Burns

DATE: 8/17/10



Kingston Ash Recovery Project
Dredging and Ash Processing
Daily Report

REPORT DATE & DAY OF WEEK: 8/18/10 Wednesday

WEATHER: Overcast/Rainy

SAFETY/JSAS REVIEWED: Signed Aquarius Pre-job briefing

VISITORS: (Identify by name, affiliation and purpose of visit)

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK PLAN: (Identify activities by Contractor and area)

Aquarius Mechanical dredging- Aquarius started dredging @8:10; Loading barge 504; Started dredging in the southern end of cell B/C; Sweeping the river bottom @14-15', trying to locate any possible humps; ash is migrating on us we checked area we cleaned the day (8/17) before and found 1'-2' of ash; Barge 504 loaded by 13:45; Aquarius ran into trouble trying to get barge out of dredging area, due to shallow water; Switched barges by 13:25; Lightning shut down from 13:45-15:15 and 15:22-17:08; Started dredging in Cell B/C northern end @17:14; Loading TVA barge #218689.

1 barge loaded and delivered to the dock

NONCONFORMING WORK: (Identify by Contractor and area)

none

VERBAL INSTRUCTIONS GIVEN OR RECEIVED: (Identify person instructions were given to or received from)

ISSUES: (Specify if assistance is needed to resolve issue)

PLANNED ACTIVITIES (Identify activities by Contractor and area)

SUBMITTED BY: Walter R. Burns

DATE: 8/18/10



Kingston Ash Recovery Project
Dredging and Ash Processing
Daily Report

REPORT DATE & DAY OF WEEK: 8/19/10 Thursday

WEATHER: Overcast/Cloudy

SAFETY/JSAS REVIEWED: Signed Aquarius Pre-Job briefing

VISITORS: (Identify by name, affiliation and purpose of visit)

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK PLAN: (Identify activities by Contractor and area)

Aquarius Mechanical dredging- Started dredging @8:15; Dredging in the Northern end of Cell B/C; dredging ash/clay slurry; TVA barge #218689 loaded by 10:54; Barge #501 in position @ dredging site by 11:45; Loading barge 501, until RSI showed up to collect samples @14:50; 1st core 14.6' water depth .58' of ash (15:30); 2nd core 14' water depth- <50% ash (15:39); 3rd core 12.6 water depth- .7' ash (15:50); 4th core was just a slurry mix, RSI tried to collect several cores in this location (16:22); Aquarius is continuing to dredge @16:51; 1 barge loaded today (TVA 218689)

NONCONFORMING WORK: (Identify by Contractor and area)

none

VERBAL INSTRUCTIONS GIVEN OR RECEIVED: (Identify person instructions were given to or received from)

ISSUES: (Specify if assistance is needed to resolve issue)

PLANNED ACTIVITIES (Identify activities by Contractor and area)

SUBMITTED BY: Walter R. Burns

DATE: 8/19/10

FIELD PHOTOGRAPHY LOG

Kingston Ash Recovery Project - Bob Summers Road
Ash Recovery Excavation

<u>Photographer</u>	<u>Image ID</u>	<u>Date</u>	<u>Time</u>	<u>Event</u>	<u>Orientation</u> (N,S,E,W)	<u>Latitude</u> <u>DD,MM.MMM</u>	<u>Longitude</u> <u>DD,MM.MMM</u>	<u>Location/Detailed Description</u> Weather Conditions, GPS locations, Names of individuals in photo, Approx. time of day, specific equipment and activity
Walter Burns	R0010587	06/29/2010	14:42	Excavator Ash Recovery, Cell A	W	35,91.6472	84,50.5388	Initial phase of ash removal with amphibious excavators
Walter Burns	R0010588	06/29/2010	14:42	Excavator Ash Recovery, Cell A	W	35,91.6472	84,50.5388	Initial phase of ash removal with amphibious excavators
Walter Burns	R001639	08/04/2010	13:09	Mechanical Ash Recovery, Cell D	NNW	35,54.5943	84,30.1680	Ash with minimal amounts of native sediment
Walter Burns	R001640	08/04/2010	14:27	Mechanical Ash Recovery, Cell D	W	35,54.5971	84,30.1450	Ash with minimal amounts of native sediment
Walter Burns	R001641	08/04/2010	16:08	Mechanical Ash Recovery, Cell D	W	35,54.5956	84,30.1599	Aquarius dredging Bob Summers Road
Walter Burns	R001642	08/04/2010	16:09	Mechanical Ash Recovery, Cell D	W	35,54.5972	84,30.1599	Native sediment mixed with ash
Walter Burns	R001643	08/05/2010	10:53	Mechanical Ash Recovery, Cell D	NW	35,54.5884	84,30.1675	Rock mix(Pug), clay, and ash
Walter Burns	R001644	08/05/2010	11:04	Mechanical Ash Recovery, Cell D	NW	35,54.5875	84,30.1680	Photo show the large amounts of ash the Aquarius has encountered
Walter Burns	R001645	08/05/2010	11:46	Mechanical Ash Recovery, Cell D	W	35,54.5854	84,30.1665	Numerous buckets of native material/ash mix
Walter Burns	R001646	08/05/2010	12:44	Mechanical Ash Recovery, Cell D	NW	35,54.5859	84,30.1663	native sediment/ash mix; photo also shows native sediment in previous bucket to the right
Walter Burns	R001647	08/05/2010	12:44	Mechanical Ash Recovery, Cell C	NW	35,54.5859	84,30.1665	Geogrid and native material showing up in every bucket
Walter Burns	R0010437	08/06/2010	10:15	Mechanical Ash Recovery, Cell D	W	35,54.5925	84,30.1673	Ash with native sediment shows that this area is starting to be free of ash
Walter Burns	R0010438	08/06/2010	10:15	Mechanical Ash Recovery, Cell D	SW	35,54.5924	84,30.1674	Ash with a sandy native sediment underneath
Walter Burns	R0010439	08/06/2010	10:16	Mechanical Ash Recovery, Cell D	SW	35,54.5923	84,30.1676	native material with some ash, this area had been previously dredged
Walter Burns	R0010440	08/06/2010	10:31	Mechanical Ash Recovery, Cell C	SW	35,54.5908	84,30.1690	This bucket of ash mixed with deep red clay
Walter Burns	R0010441	08/06/2010	10:57	Mechanical Ash Recovery, Cell C	SE	35,54.5926	84,30.1683	This photo represents ash mixed with native material
Walter Burns	R0010442	08/06/2010	10:59	Mechanical Ash Recovery, Cell C	SW	35,54.5932	84,30.1687	Ash mixed with a deep red clay
Walter Burns	R0010443	08/06/2010	11:23	Mechanical Ash Recovery, Cell D	W	35,54.5934	84,30.1681	Native material with ash on top
Walter Burns	R0010444	08/06/2010	12:35	Mechanical Ash Recovery, Cell D	SW	35,54.5928	84,30.1728	Picture does not display, but rock boulders and pug mix were obereves ash
Walter Burns	R0010445	08/06/2010		Disregard photo	SW			Disregard photo
Walter Burns	R0010446	08/06/2010	14:13	Mechanical Ash Recovery, Cell D	W	35,54.5890	84,30.1672	Large amounts of native sediments, with some ash
Walter Burns	R0010447	08/06/2010	15:47	Mechanical Ash Recovery, Cell D	SW	35,54.5877	84,30.1690	Native Sediments with ash mixture
Walter Burns	R0010448	08/06/2010	15:50	Mechanical Ash Recovery, Cell C & D	SW	35,54.5876	84,30.1668	Clay with minmal amount of ash
Walter Burns	R0010449	08/07/2010	10:23	Mechanical Ash Recovery, Cell C	W	35,54.5805	84,30.1728	Clay mixed with ash
Walter Burns	R0010450	08/07/2010	11:00	Mechanical Ash Recovery, Cell C	NW	35,54.5843	84,30.1714	Clay mixed with ash
Walter Burns	R0010451	08/07/2010	11:00	Mechanical Ash Recovery, Cell C	NW	35,54.5846	84,30.1717	Clay mixed with ash
Walter Burns	R0010452	08/07/2010	12:27	Mechanical Ash Recovery, Cell C	NW	35,54.5883	84,30.1722	native sediment mixed with ash
Walter Burns	R0010453	08/09/2010	12:39	Mechanical Ash Recovery, Cell C	W	35,54.5864	84,30.1758	This photo shows the water depth(3-4'), the clam shell bucket is closed
Walter Burns	R0010454	08/09/2010	12:45	Mechanical Ash Recovery, Cell C	NW	35,54.5884	84,30.1699	This shows the large amounts of ash, that was located in Cell C
Walter Burns	R0010455	08/09/2010	12:51	Mechanical Ash Recovery, Cell C	NW	35,54.5858	84,30.1730	This photo shows the water depth(3-4'), the clam shell bucket is open
Walter Burns	R0010456	08/09/2010	12:52	Mechanical Ash Recovery, Cell C	NW	35,54.5896	84,30.1743	This shows the abundance of ash still being dredged in Cell C
Walter Burns	R0010457	08/09/2010	13:39	Mechanical Ash Recovery, Cell C	NW	35,54.5952	84,30.1755	This photo show the former road bed rock (pug) dredged from the river
Walter Burns	R0010458	08/10/2010	9:14	Mechanical Ash Recovery, Cell C	NW	35,54.5859	84,30.1752	native material/ mixed with ash
Walter Burns	R0010459	08/10/2010	9:14	Mechanical Ash Recovery, Cell C	NW	35,54.5859	84,30.1752	Native material mixed with ash, same bucket of material as picture
Walter Burns	R0010460	08/10/2010	9:23	Mechanical Ash Recovery, Cell B	NW	35,54.5918	84,30.1760	Sand/ash mixture
Walter Burns	R0010461	08/10/2010	9:32	Mechanical Ash Recovery, Cell B	NE	35,54.5858	84,30.1747	Sandy/ash mixture
Walter Burns	R0010462	08/10/2010	9:32	Mechanical Ash Recovery, Cell B	W	35,54.5898	84,30.1747	Bad photo hard to see, but native material present
Walter Burns	R0010463	08/10/2010	10:04	Mechanical Ash Recovery, Cell B	N	35,54.5963	84,30.1678	Native material(clay) mixed with ash
Walter Burns	R0010464	08/10/2010	10:05	Mechanical Ash Recovery, Cell B	N	35,54.5899	84,30.1728	Native material mixed with ash
Walter Burns	R0010465	08/10/2010	10:38	Mechanical Ash Recovery, Cell B	NE	35,54.5917	84,30.1755	Small amounts of native material but this shows we are nearing native river bottom
Walter Burns	R0010466	08/10/2010	10:38	Mechanical Ash Recovery, Cell B	NE	35,54.5918	84,30.1753	bad photo does not show material that was dredged
Walter Burns	R0010467	08/10/2010	10:55	Mechanical Ash Recovery, Cell B	NE	35,54.5924	84,30.1743	Starting to dredge large amounts of native material, considered this area of Cell B completed
Walter Burns	R0010468	08/10/2010	10:57	Mechanical Ash Recovery, Cell B	NE	35,54.5949	84,30.1746	Starting to dredge large amounts of native material, considered this area of Cell B completed
Walter Burns	R0010469	08/10/2010	11:03	Mechanical Ash Recovery, Cell C	SE	35,54.5899	84,30.1704	Native material dredged from Cell C

FIELD PHOTOGRAPHY LOG

Kingston Ash Recovery Project - Bob Summers Road
Ash Recovery Excavation

<u>Photographer</u>	<u>Image ID</u>	<u>Date</u>	<u>Time</u>	<u>Event</u>	<u>Orientation</u> (N,S,E,W)	<u>Latitude</u> DD,MM.MMM	<u>Longitude</u> DD,MM.MMM	<u>Location/Detailed Description</u> Weather Conditions, GPS locations, Names of individuals in photo, Approx. time of day, specific equipment and activity
Walter Burns	R0010470	08/10/2010	11:03	Mechanical Ash Recovery, Cell C	SE	35,54.5899	84,30.1700	Native material dredged from Cell C
Walter Burns	R0010471	08/10/2010	11:03	Mechanical Ash Recovery, Cell C	NE	35,54.5907	84,30.1705	Native material dredged from Cell C
Walter Burns	R0010472	08/10/2010	11:25	Mechanical Ash Recovery, Cell B	NE	35,54.5907	84,30.1705	Native material mixed with ash
Walter Burns	R0010473	08/10/2010	14:57	Mechanical Ash Recovery, Cell B	NW	35,55.0010	84,30.1871	Native material mixed with ash
Walter Burns	R0010474	08/10/2010	15:01	Mechanical Ash Recovery, Cell B	N	35,54.5881	84,30.1779	Native material mixed with ash
Walter Burns	R0010475	08/10/2010	15:03	Mechanical Ash Recovery, Cell A	N	35,54.5946	84,30.1778	Native material displayed on the right side of the bucket, appears to be 1"-
Walter Burns	R0010476	08/10/2010	15:03	Mechanical Ash Recovery, Cell A	NW	35,54.5946	84,30.1775	Native material/mixed with ash
Walter Burns	R0010477	08/10/2010	15:04	Mechanical Ash Recovery, Cell A	NW	35,54.5931	84,30.1773	Native material on the bottom of the bucket as well on top ash mixed
Walter Burns	R0010478	08/10/2010	15:05	Mechanical Ash Recovery, Cell A	W	35,54.5948	84,30.1778	Native material/ash mix
Walter Burns	R0010479	08/10/2010	15:05	Mechanical Ash Recovery, Cell A	W	35,54.5948	84,30.1778	Large amount of native material 1'-2' mixed with ash
Walter Burns	R0010480	08/10/2010	15:07	Mechanical Ash Recovery, Cell A	W	35,54.5941	84,30.1796	3"-6" of ash on top of native material
Walter Burns	R0010481	08/10/2010	15:08	Mechanical Ash Recovery, Cell B	W	35,54.5940	84,30.1796	Native material present below bucket
Walter Burns	R0010482	08/10/2010	15:09	Mechanical Ash Recovery, Cell B	NE	35,54.5941	84,30.1792	Native material/ mixed with ash
Walter Burns	R0010483	08/10/2010	15:33	Mechanical Ash Recovery, Cell A	NW	35,54.5925	84,30.1782	Native material/ mixed with ash
Walter Burns	R0010484	08/11/2010	9:09	Mechanical Ash Recovery, Cell A	SW	35,54.5899	84,30.1792	native material/ mixed with ash
Walter Burns	R0010485	08/11/2010	9:09	Mechanical Ash Recovery, Cell A	SW	35,54.5899	84,30.1792	Native material mixed ash
Walter Burns	R0010486	08/11/2010	9:17	Mechanical Ash Recovery, Cell A	SW	35,54.5899	84,30.1792	Rock, organics and clay mixed
Walter Burns	R0010487	08/11/2010	9:21	Mechanical Ash Recovery, Cell A	SW	35,54.5892	84,30.1813	Native material/ash mixture
Walter Burns	R0010488	08/11/2010	9:21	Mechanical Ash Recovery, Cell A	SW	35,54.5886	84,30.1804	Shot Rock mixed with ash
Walter Burns	R0010489	08/11/2010	9:24	Mechanical Ash Recovery, Cell A	SW	35,54.5899	84,30.1789	Native material(clay) mixed with ash
Walter Burns	R0010490	08/11/2010	9:25	Mechanical Ash Recovery, Cell A	NW	35,54.5895	84,30.1826	Native material mixed with ash
Walter Burns	R0010491	08/11/2010	9:25	Mechanical Ash Recovery, Cell A	SW	35,54.5886	84,30.1811	Clay with minmal amounts of ash
Walter Burns	R0010492	08/11/2010	9:26	Mechanical Ash Recovery, Cell A	SW	35,54.5912	84,30.1797	Clay
Walter Burns	R0010493	08/11/2010	9:26	Mechanical Ash Recovery, Cell A	SW	35,54.5911	84,30.1997	Clay considered this area good after this bucket was dumped
Walter Burns	R0010494	08/11/2010	9:42	Mechanical Ash Recovery, Cell A	SW	35,54.5896	84,30.1798	Overview of material dredged from Cell A
Walter Burns	R0010495	08/11/2010	9:43	Mechanical Ash Recovery, Cell A	SW	35,54.5893	84,30.1805	Overview of material dredged from Cell A
Walter Burns	R0010496	08/11/2010	9:48	Mechanical Ash Recovery, Cell A	SW	35,54.5878	84,30.1834	Native material mixed with ash
Walter Burns	R0010497	08/11/2010	9:50	Mechanical Ash Recovery, Cell A	SW	35,54.5892	84,30.1791	Clay with 1"-2" ash
Walter Burns	R0010498	08/11/2010	9:55	Mechanical Ash Recovery, Cell A	SW	35,54.5893	84,30.1803	Native material mixed with ash and shot rock
Walter Burns	R0010499	08/11/2010	9:58	Mechanical Ash Recovery, Cell A	SW	35,54.5920	84,30.1810	Native material mixed with ash
Walter Burns	R0010500	08/11/2010	9:58	Mechanical Ash Recovery, Cell A	SW	35,54.5894	84,30.1807	Native material
Walter Burns	R0010501	08/11/2010	10:05	Mechanical Ash Recovery, Cell A	SW	35,54.5902	84,30.1801	Native material
Walter Burns	R0010502	08/11/2010	10:10	Mechanical Ash Recovery, Cell A	SW	35,54.5891	84,30.1798	Native material, shot rock mixed with ash
Walter Burns	R0010503	08/11/2010	10:15	Mechanical Ash Recovery, Cell A	W	35,54.5895	84,30.1815	Native material mixed with ash
Walter Burns	R0010504	08/11/2010	10:34	Mechanical Ash Recovery, Cell A	SW	35,54.5897	84,30.1786	Native material/ash mix
Walter Burns	R0010505	08/11/2010	12:54	Mechanical Ash Recovery, Cell A	SW	35,54.5916	84,30.1794	Native material/ash mix
Walter Burns	R0010506	08/11/2010	12:54	Mechanical Ash Recovery, Cell A	SW	35,54.5906	84,30.1810	Native material mixed with ash
Walter Burns	R0010507	08/17/2010	10:58	Mechanical Ash Recovery, Cell C	SW	35,54.0002	84,30.1743	Native material mixed with ash
Walter Burns	R0010508	08/17/2010	11:02	Mechanical Ash Recovery, Cell C	SW	35,54.5998	84,30.1735	Native material mixed with ash
Walter Burns	R0010509	08/17/2010	11:02	Mechanical Ash Recovery, Cell C	SW	35,55.0006	84,30.1738	Native material mixed with ash
Walter Burns	R0010510	08/17/2010	11:04	Mechanical Ash Recovery, Cell C	SW	35,55.0002	84,30.1938	Native material mixed with ash
Walter Burns	R0010511	08/17/2010	11:05	Mechanical Ash Recovery, Cell C	SW	35,55.0003	84,30.1738	Native material mixed with ash
Walter Burns	R0010512	08/17/2010	11:06	Mechanical Ash Recovery, Cell C	SW	35,55.0001	84,30.1737	Native material mixed with ash
Walter Burns	R0010513	08/17/2010	11:12	Mechanical Ash Recovery, Cell C	SW	35,54.5998	84,30.1738	Native material mixed with ash
Walter Burns	R0010514	08/17/2010	11:17	Mechanical Ash Recovery, Cell C	SW	35,55.0000	84,30.1742	Native material mixed with ash
Walter Burns	R0010515	08/17/2010	11:18	Mechanical Ash Recovery, Cell C	SW	35,54.5998	84,30.1729	Native material mixed with ash
Walter Burns	R0010516	08/17/2010	11:20	Mechanical Ash Recovery, Cell C	SW	35,54.5997	84,30.1732	Native material mixed with ash
Walter Burns	R0010517	08/17/2010	11:21	Mechanical Ash Recovery, Cell C	SW	35,54.5996	84,30.1732	Native material mixed with ash

FIELD PHOTOGRAPHY LOG

Kingston Ash Recovery Project - Bob Summers Road
Ash Recovery Excavation

<u>Photographer</u>	<u>Image ID</u>	<u>Date</u>	<u>Time</u>	<u>Event</u>	<u>Orientation</u> (N,S,E,W)	<u>Latitude</u> DD,MM.MMM	<u>Longitude</u> DD,MM.MMM	<u>Location/Detailed Description</u> Weather Conditions, GPS locations, Names of individuals in photo, Approx. time of day, specific equipment and activity
Walter Burns	R0010518	08/17/2010	11:23	Mechanical Ash Recovery, Cell C	SW	35,54.5995	84,30.1732	Native material mixed with ash
Walter Burns	R0010519	08/17/2010	11:23	Mechanical Ash Recovery, Cell C	SW	35,54.5995	84,30.1735	Native material mixed with ash
Walter Burns	R0010520	08/17/2010	11:24	Mechanical Ash Recovery, Cell C	SW	35,54.5995	84,30.1736	Native material mixed with ash
Walter Burns	R0010521	08/17/2010	11:31	Mechanical Ash Recovery, Cell C	SW	35,54.5995	84,30.1736	Native material mixed with ash
Walter Burns	R0010522	08/17/2010	11:31	Mechanical Ash Recovery, Cell C	WN	35,54.5992	84,30.1735	Native material mixed with ash
Walter Burns	R0010523	08/17/2010	11:31	Mechanical Ash Recovery, Cell C	WN	35,54.5992	84,30.1735	Native material mixed with ash
Walter Burns	R0010524	08/17/2010	11:31	Mechanical Ash Recovery, Cell C	SW	35,54.5991	84,30.1734	Native material mixed with ash
Walter Burns	R0010525	08/17/2010	11:31	Mechanical Ash Recovery, Cell C	SW	35,54.5991	84,30.1734	Native material mixed with ash
Walter Burns	R0010526	08/17/2010	11:33	Mechanical Ash Recovery, Cell C	SW	35,54.5993	84,30.1734	Native material mixed with ash
Walter Burns	R0010527	08/17/2010	11:33	Mechanical Ash Recovery, Cell C	SW	35,54.5992	84,30.1734	Native material mixed with ash
Walter Burns	R0010528	08/17/2010	11:34	Mechanical Ash Recovery, Cell C	SW	35,54.5993	84,30.1734	Native material mixed with ash
Walter Burns	R0010529	08/17/2010	11:35	Mechanical Ash Recovery, Cell C	SW	35,54.5992	84,30.1734	Native material mixed with ash
Walter Burns	R0010530	08/17/2010	11:35	Mechanical Ash Recovery, Cell C	SW	35,54.5992	84,30.1734	Native material mixed with ash
Walter Burns	R0010531	08/17/2010	11:45	Mechanical Ash Recovery, Cell C	SW	35,54.5982	84,30.1735	Native material mixed with ash
Walter Burns	R0010532	08/17/2010	11:45	Mechanical Ash Recovery, Cell C	SW	35,54.5982	84,30.1734	Native material mixed with ash
Walter Burns	R0010533	08/17/2010	11:50	Mechanical Ash Recovery, Cell C	SW	35,54.5946	84,30.1735	Native material mixed with ash
Walter Burns	R0010534	08/17/2010	11:50	Mechanical Ash Recovery, Cell C	SW	35,54.5946	84,30.1751	Native material mixed with ash
Walter Burns	R0010535	08/17/2010	11:51	Mechanical Ash Recovery, Cell B	SW	35,54.5948	84,30.1750	Native material mixed with ash
Walter Burns	R0010536	08/17/2010	11:53	Mechanical Ash Recovery, Cell B	SW	35,54.5950	84,30.1749	Native material mixed with ash
Walter Burns	R0010537	08/17/2010	11:54	Mechanical Ash Recovery, Cell B	SW	35,54.5951	84,30.1748	Native material mixed with ash
Walter Burns	R0010538	08/17/2010	11:54	Mechanical Ash Recovery, Cell B	SW	35,54.5952	84,30.1748	Native material mixed with ash
Walter Burns	R0010539	08/17/2010	11:56	Mechanical Ash Recovery, Cell B	SW	35,54.5953	84,30.1747	Native material mixed with ash
Walter Burns	R0010540	08/17/2010	11:57	Mechanical Ash Recovery, Cell B	SW	35,54.5953	84,30.1747	Native material mixed with ash
Walter Burns	R0010541	08/17/2010	11:57	Mechanical Ash Recovery, Cell B	SW	35,54.5953	84,30.1747	Native material mixed with ash
Walter Burns	R0010542	08/17/2010	12:33	Mechanical Ash Recovery, Cell B	SW	35,54.5955	84,30.1735	Native material mixed with ash
Walter Burns	R0010543	08/17/2010	12:33	Mechanical Ash Recovery, Cell B	SW	35,54.5954	84,30.1788	Native material mixed with ash
Walter Burns	R0010544	08/17/2010	12:41	Mechanical Ash Recovery, Cell B	SW	35,54.5962	84,30.1734	Native material mixed with ash
Walter Burns	R0010545	08/17/2010	12:45	Mechanical Ash Recovery, Cell B	SW	35,54.5964	84,30.1734	Native material mixed with ash
Walter Burns	R0010546	08/17/2010	12:45	Mechanical Ash Recovery, Cell B	SW	35,54.5964	84,30.1734	Native material mixed with ash
Walter Burns	R0010547	08/17/2010	12:47	Mechanical Ash Recovery, Cell B	SW	35,54.5964	84,30.1734	Native material mixed with ash
Walter Burns	R0010548	08/17/2010	15:04	Mechanical Ash Recovery, Cell B	SW	35,54.5893	84,30.1763	Native material mixed with ash
Walter Burns	R0010549	08/18/2010	10:52	Mechanical Ash Recovery, Cell B	SW	35,54.5895	84,30.1786	Native material mixed with ash
Walter Burns	R0010550	08/18/2010	13:12	Mechanical Ash Recovery, Cell B	SW	35,54.5895	84,30.1786	Native material mixed with ash
Walter Burns	R0010551	08/18/2010	13:16	Mechanical Ash Recovery, Cell B	SW	35,54.5922	84,30.1744	Native material mixed with ash
Walter Burns	R0010552	08/18/2010	13:17	Mechanical Ash Recovery, Cell B	SW	35,54.5900	84,30.1773	Native material mixed with ash
Walter Burns	R0010553	08/18/2010	13:17	Mechanical Ash Recovery, Cell B	SW	35,54.5901	84,30.1773	Native material mixed with ash
Walter Burns	R0010554	08/18/2010	13:18	Mechanical Ash Recovery, Cell B	SW	35,54.5920	84,30.1741	Native material mixed with ash
Walter Burns	R0010555	08/18/2010	13:18	Mechanical Ash Recovery, Cell B	SW	35,54.5905	84,30.1767	Native material mixed with ash
Walter Burns	R0010556	08/18/2010	13:49	Mechanical Ash Recovery, Cell B	SW	35,54.5995	84,30.1758	Native material mixed with ash
Walter Burns	R0010557	08/18/2010	15:15	Mechanical Ash Recovery, Cell B	SW	35,54.5995	84,30.1758	Native material mixed with ash
Walter Burns	R0010558	08/19/2010	10:52	Mechanical Ash Recovery	SW	35,54.5995	84,30.1758	Ash Slurry in Barge
Walter Burns	R0010559	08/19/2010	10:54	Mechanical Ash Recovery	SW	35,54.5995	84,30.1758	Ash Slurry in barge

Photo Record of Ash Recovery Bob Summers Road

8/17/10 10:58, ID# R0010507
Cell C, BUCKET 1 – AREA 1



8/17/10 11:02, ID# R0010508
Cell C, BUCKET 2 – AREA1



Photo Record of Ash Recovery Bob Summers Road

8/17/10 11:02, ID# R0010509
Cell C

8/17/10 11:04, ID# R0010510
Cell C



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/17/10 11:05, ID# R0010511
Cell C, BUCKET 3 – AREA 1

8/17/10 11:06, ID# R0010512
Cell C, BUCKET 4 – AREA 1



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/17/10 11:12, ID# R0010513
Cell C, LAST BUCKET FROM AREA 1

8/17/10 11:17, ID# R0010514
Cell C, MOVED TO NEW AREA



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/17/10 11:18, ID# R0010515
Cell C, BUCKET 2 FROM AREA 2

8/17/10 11:20, ID# R0010516
Cell C, BUCKET 3 – AREA 2



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/17/10 11:21, ID# R0010516
Cell C, BUCKET 4 FROM AREA 2

8/17/10 11:23, ID# R0010517
Cell C, BUCKET 1- AREA 3



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/17/10 11:21, ID# R0010518
Cell C, BUCKET 2 FROM AREA 3

8/17/10 11:23, ID# R0010519
Cell C, BUCKET 3- AREA 3



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/17/10 11:24, ID# R0010520
Cell C, BUCKET 4 FROM AREA 3

8/17/10 11:31, ID# R0010521
Cell C, BUCKET 5- AREA 3



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/17/10 11:31, ID# R0010524
Cell C, BUCKET 1 FROM AREA 4

8/17/10 11:31, ID# R0010525
Cell C, BUCKET 1- AREA 4



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/17/10 11:33, ID# R0010526
Cell C, BUCKET 2 FROM AREA 4

8/17/10 11:33, ID# R0010527
Cell C, BUCKET 2- AREA 4



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/17/10 11:34, ID# R0010528
Cell C, BUCKET 1 FROM AREA 5

8/17/10 11:35, ID# R0010529
Cell C, BUCKET 2- AREA 5



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/17/10 11:35, ID# R0010530
Cell C, BUCKET 3 FROM AREA 5

8/17/10 11:45, ID# R0010531
Cell C, BUCKET 1- AREA 6



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/17/10 11:45, ID# R0010532
Cell C, BUCKET 2 FROM AREA 6

8/17/10 11:50, ID# R0010533
Cell C, BUCKET 3- AREA 6



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/17/10 11:50, ID# R0010534
Cell C, BUCKET 3 FROM AREA 6

8/17/10 11:51, ID# R0010535
Cell C, BUCKET 4- AREA 6



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/17/10 11:53, ID# R0010536
Cell C, BUCKET 5 FROM AREA 6

8/17/10 11:54, ID# R0010537
Cell C, BUCKET 6- AREA 6



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/17/10 11:54, ID# R0010538
Cell C, BUCKET 7 FROM AREA 6

8/17/10 11:56, ID# R0010539
Cell C, BUCKET 8- AREA 6



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/17/10 11:57, ID# R0010540
Cell C, BUCKET 7 FROM AREA 6

8/17/10 11:57, ID# R0010541
Cell C, BUCKET 7- AREA 6



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/17/10 12:33, ID# R0010542
Cell C,

8/17/10 12:33, ID# R0010543
Cell C,



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/17/10 12:41, ID# R0010544
Cell C,

8/17/10 12:45, ID# R0010545
Cell C,



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/17/10 12:45, ID# R0010546
Cell C,



8/17/10 12:47, ID# R0010547
Cell C,



Photo Record of Ash Recovery Bob Summers Road

8/17/10 15:04, ID# R0010548
Cell C,

8/18/10 10:52, ID# R0010549
Cell B,



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/18/10 13:12, ID# R0010550
Cell B,

8/18/10 13:16, ID# R0010551
Cell B,



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/18/10 13:17, ID# R0010552
Cell B,

8/18/10 13:17, ID# R0010553
Cell B,



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/18/10 13:18, ID# R0010554
Cell B,

8/18/10 13:18, ID# R0010555
Cell B,



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/18/10 13:49, ID# R0010556
Cell B,

8/18/10 15:15, ID# R0010557
Cell B,



Native Sediment

Photo Record of Ash Recovery Bob Summers Road

8/19/10 10:52, ID# R0010558

8/19/10 10:54, ID# R0010559



Ash Slurry