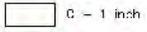
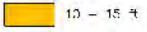
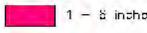
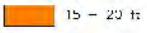
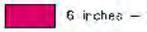
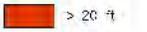
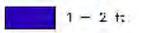
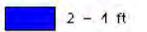
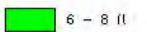
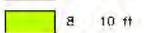


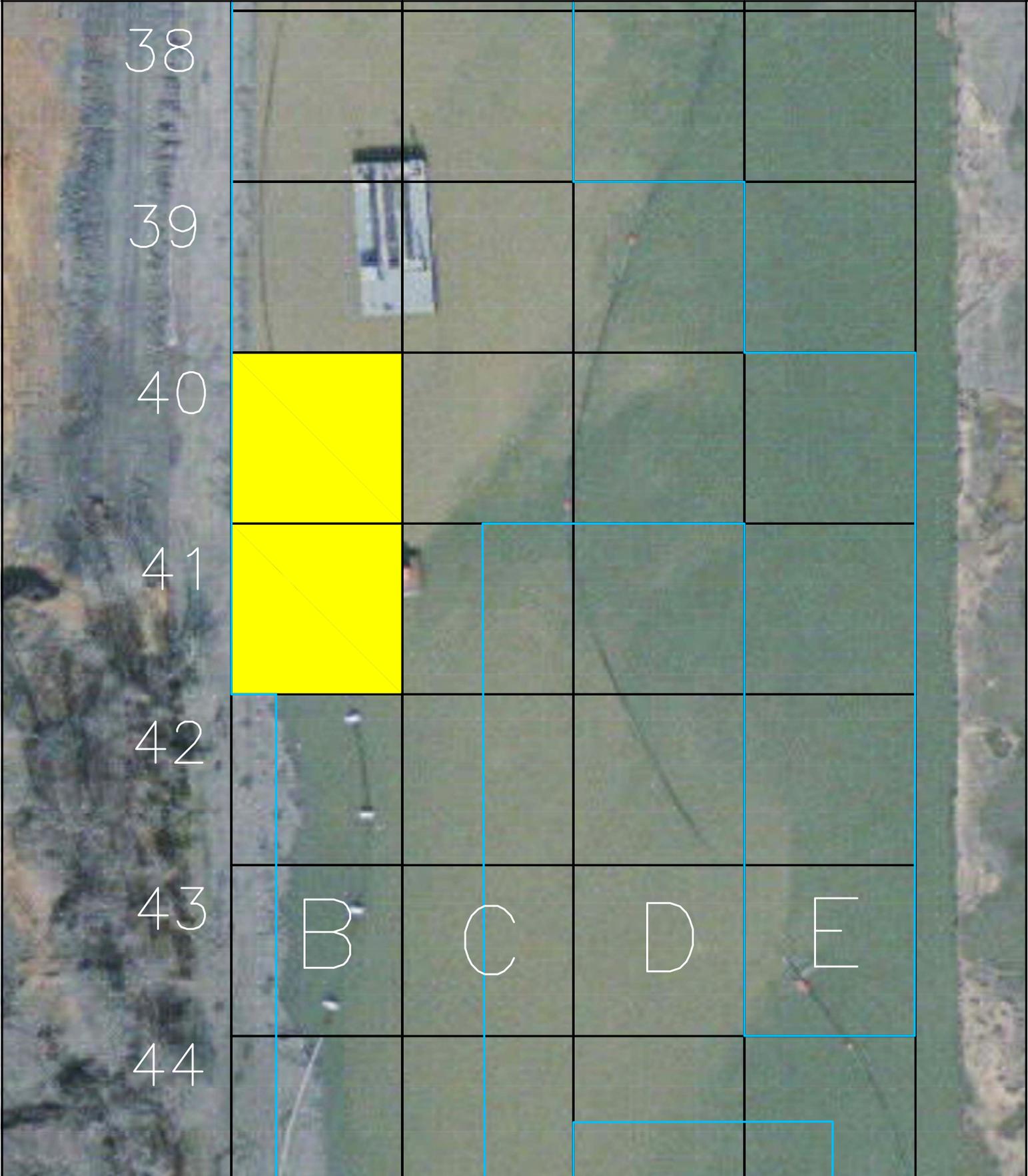
**Legend**

- |  |                 |   |            |   |                       |
|--|-----------------|---|------------|---|-----------------------|
|   | 0 - 1 inch      |  | 10 - 15 ft |    | River Segments        |
|   | 1 - 5 inches    |  | 15 - 20 ft |    | Proposed Dredge Areas |
|   | 6 inches - 1 ft |  | > 20 ft    |    | Surveyed Areas        |
|   | 1 - 2 ft        |   |            |  | Area of Interest      |
|   | 2 - 4 ft        |   |            |   |                       |
|   | 4 - 6 ft        |   |            |   |                       |
|   | 6 - 8 ft        |   |            |   |                       |
|  | 8 - 10 ft       |   |            |   |                       |



<b>ASH REMAINING THROUGH SEVENSON 06-23 SURVEY</b>	
TVA DREDGING OF THE IVORY RIVER AND ASH PROCESSING HARRISMAN, TN	
 <b>SEVENSON ENVIRONMENTAL SERVICES, INC.</b>	
DRAWING: Figure 2	DATE: 06/23/10
	DRAWN BY: CML
	CHECKED BY:
	CAD FILE: c:\users\remis\m\g\08224.N
	PLOT:

# Bathymetry Removal Areas - Segment 1



Removed From Plan

E-trac Dredging Path



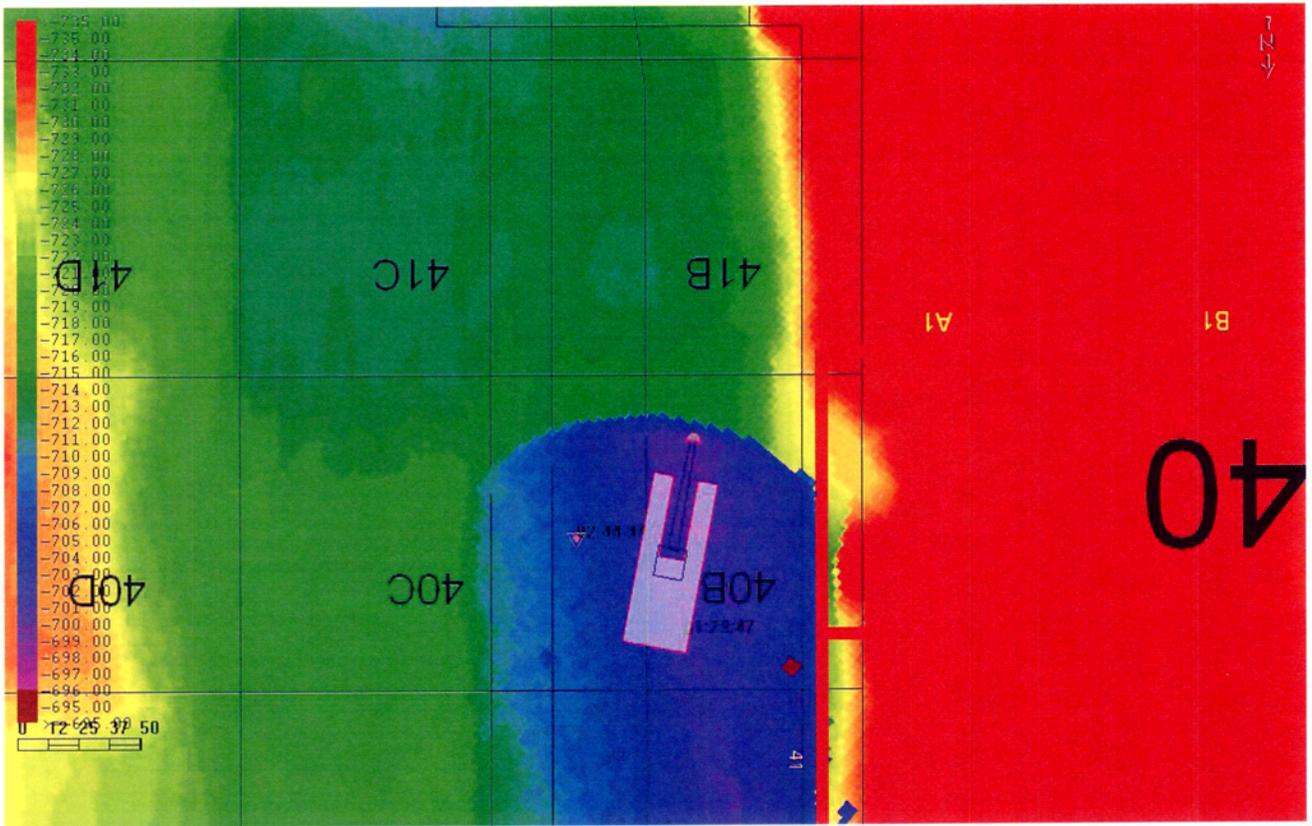
**JACOBS**<sup>TM</sup>

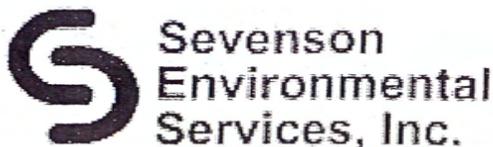
06/23/10

Figure 1



# Shirley eTrack Day Shift 6/21/10





DAILY DREDGE LOG - TVA ASH REMOVAL

Dredge SHIRLEY #1

Day MONDAY  
Date 6-21-2010

Dredge Shift: Night 7pm-7am

Hours: 1967

Buddy / Damon

Start Time	Stop Time	Hours Dredge	Misc	Mech Down	Avg RPM	Avg Pressure	Operator	Reason for Stopping/Downtime	
1900	1930	0	30						
1930	2000	0	30					Safety meetings	
2000	<del>2030</del> 2105	1.05	20					Service dredge	
2125	2205	40	1.15					Clean cutter	
2320	2355	35	0.5					Silt curtain came loose - on top of dredge (beside)	
0000	0005	0.5	1.5					Move port s/a	
0020	0340	3.20	10					Move starboard s/a	
0350	0430	40	10					Clean pump	
0440	0510	30	4.5					Move starboard s/a	
0555	0630	35	1.5					Clean cutter	
0645	0700	0	1.5					Clean pump	
		7.30	4.30						
							Total Hours	<u>12</u>	

$130 \times 75 \times 5 = 1806 \text{ cy}$

Area Dredged: 41B-42B 241 CYPH

Conditions:

Initial Flyash Thickness 5' Ft

Vegetation Light  Medium  Heavy   
Debris Light  Medium  Heavy

# of Blockage Clears 4

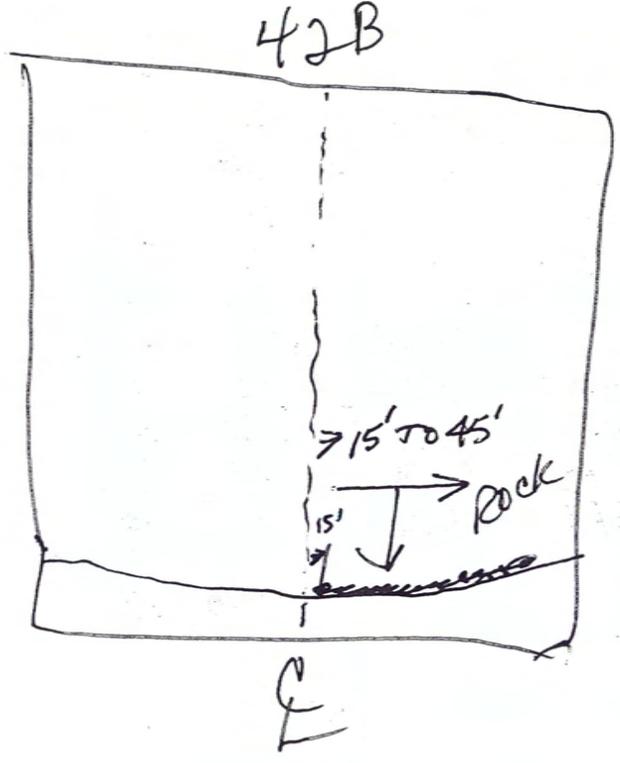
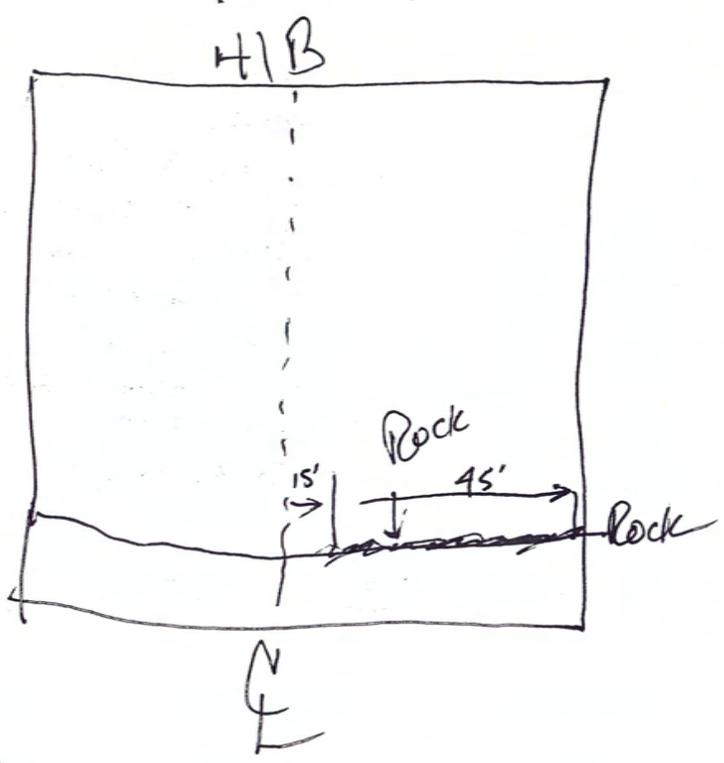
Shift Start X 2442972 Shift End X 2442974  
Y 556493 Y 556417  
Tons Start \_\_\_\_\_ Tons End \_\_\_\_\_

Comments: NOTE: Before digging, 8 teeth are missing from cutter. Were supposed to weld the 8 teeth on cutter today. THESE 8 teeth need to be welded on or there will be no teeth bases to weld on!! This is the NEW cutter put on when Shirley was brought back on line.

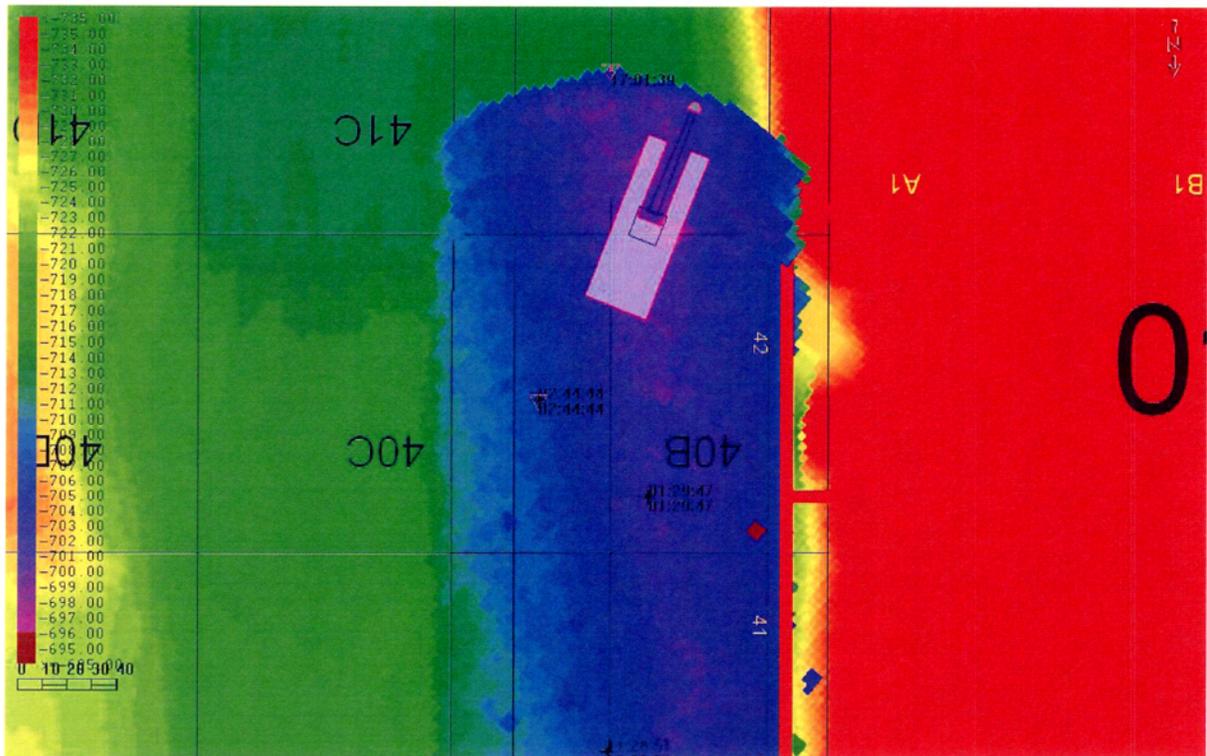
X 2442966 Y 556484 @ TO 45' STRAD Rock sticks 3-6" Above Grasp  
X 2442974 Y 556417

HARD DIGGING ENCOUNTERING UNDERLYING NATIVE MATERIALS 06-21-10

From 15' STRB of  $\bar{L}$  over 45' TOWARDS STRB TOE IS Rock 3-6" ABOVE GRADE



# Shirley eTrack Night Shift 6/21/10





# Shirley eTrack Day Shift 6/22/10

