

PRELIMINARY INVESTIGATIONS OF SUBMERGED AREAS

Delivery Order Number 023
Project A N W Refuge

Date 10/20/04

Location ID Number J-18
Coordinates: X 2637859
Y 13236643
Water Depth 2.8
Pipe Length 10 - 8 lbs

Tide Staff Readings:	
Time	Reading
Morning	
Mid-Day	
Evening	

Push No. 1 Time 9:23
Weight of Pipe Penetration (WOP) 3.1 Comment
One-Hand Push (40-lb) Depth 3.3 Comments shell

One-Hand Push (70-lb) Depth 4.0 Comments Large shell soft CL mix

Two-Hand Push to Refusal - Depth 7.8 Comments CL shell SA mix
Tiq 9.2 mostly SA from 7.8 to 9.2

Push No. 2 Time 9:28
Weight of Pipe Penetration (WOP) 3.0 Comment
One-Hand Push (40-lb) Depth 3.1 Comments shell

One-Hand Push (70-lb) Depth 3.9 Comments shell shell frag. SA

Two-Hand Push to Refusal - Depth 4.1 Comments shell
Tiq 5.5 shell 4.1 to 5.0 shell and SA mix

Hand Proving Ring Penetrometer Test? yes
Hand Vane Shear Test? _____

Technician (Probe Handler) mike A. Recorder Gary C.

HAND CONE PENETRATION TEST (CPT)

Delivery Order Number 023

Date 10/20/04

Project: AN & Refuge

Location ID Number J-18

Time 9:30

Weight of Proving Ring

Weight of Rod Section 13/65

Weight of Rod Penetration 3.0

Number of Rods 3

Comments:

[illegible]

Comments shell with soft LL SA layers

RTB 11/8/4

Probing Results					
Resistance	Depth1'	Depth2'	MLT1'	MLT2'	Average
Weight of Pipe	3.1	3.0	-0.7	-0.6	-0.7
1 HP (40lbs)	3.3	3.1	-0.9	-0.7	-0.8
1 HP (70lbs)	4	3.9	-1.6	-1.5	-1.6
2 Hand Refusal	7.8	4.1	-5.4	-1.7	-3.6

[illegible]

Depth Vs. Shear Strength

◆ J18

