

PRELIMINARY INVESTIGATIONS OF SUBMERGED AREAS

Delivery Order Number 023
Project ANW Refuge

Date 10/20/04

Location ID Number J-21

Coordinates: X 2636761

Y 13235591

Water Depth 3.0

Pipe Length 10 - 8163

Tide Staff Readings:

Time Reading

Morning _____

Mid-Day _____

Evening _____

Push No. 1 Time 10:30

Weight of Pipe Penetration (WOP) 3.2 Comment shell

One-Hand Push (40-lb) Depth 3.7 Comments shell

One-Hand Push (70-lb) Depth 4.0 Comments shell

Two-Hand Push to Refusal - Depth 5.0 Comments shell

Tiq 7.5 5.0 to 5.5 shell layer

5.5 to 7.5 SA w/shell

Push No. 2 Time 10:36

Weight of Pipe Penetration (WOP) 3.2 Comment shell

One-Hand Push (40-lb) Depth 3.4 Comments shell

One-Hand Push (70-lb) Depth 4.5 Comments shell w/ck mix

Two-Hand Push to Refusal - Depth 5.6 Comments

Tiq 8.5 5.0 to 5.4 shell layer

5.4 to 8.5 SA shell frag.

Hand Proving Ring Penetrometer Test? yes

Hand Vane Shear Test? _____

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

Hand Cone Penetrometer Test and Analysis:

RTB 11/8/4

Project: Arkansas National Wildlife Ref. - BUS Site "J"
Location: Dunham Bay located outside of Rockport, TX
Delivery Order #: 0023
Date of Testing: 10/20/04 to 10/22/04

Probing Results

Resistance	Depth1'	Depth2'	MLT1'	MLT2'	Average
Weight of Pipe	3.2	3.2	-0.9	-0.9	-0.9
1 HP (40lbs)	3.7	3.4	-1.4	-1.1	-1.3
1 HP (70lbs)	4	4.5	-1.7	-2.2	-2.0
2 Hand Refusal	5	5.0	-2.7	-2.7	-2.7

[illegible]

Depth Vs. Shear Strength

◆ J21

