

PRELIMINARY INVESTIGATIONS OF SUBMERGED AREAS

Delivery Order Number 023
Project ANW Refuge

Date 10/20/04

Location ID Number J-23

Coordinates: X 2636073

Y 13234855

Water Depth 3.9

Pipe Length 10-8135

Tide Staff Readings:

Time Reading

Morning _____

Mid-Day _____

Evening _____

Push No. 1 Time 11:23

Weight of Pipe Penetration (WOP) 4.6

Comment soft CL

One-Hand Push (40-lb) Depth 4.7

Comments SA @ Bottom

4.7 to 4.9 SA Layer

One-Hand Push (70-lb) Depth 6.5

Comments SA CL

Two-Hand Push to Refusal - Depth 8.1

Comments SA CL SA @ Bottom

Fig 8.4 SA

Push No. 2 Time 11:31

Weight of Pipe Penetration (WOP) 4.0

Comment SA

One-Hand Push (40-lb) Depth 4.0

Comments SA

4.0 to 4.3 SA Layer

One-Hand Push (70-lb) Depth 6.5

Comments SA CL SA @ Bottom

Two-Hand Push to Refusal - Depth 8.1

Comments SA w/shell frag.

Fig 8.4 SA

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: Aransas 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	4.6	4.0	-1.9	-1.3	-1.6
1 HP (40lbs)	4.7	4.0	-2.0	-1.3	-1.7
1 HP (70lbs)	6.5	6.5	-3.8	-3.8	-3.8
2 Hand Refusal	8.1	8.1	-5.4	-5.4	-5.4

[illegible]

Depth Vs. Shear Strength

◆ J23

