

PRELIMINARY INVESTIGATIONS OF SUBMERGED AREAS

Delivery Order Number 023 Date 10/20/04
Project ANW Refuge

Location ID Number J-13

Coordinates: X 2638167

Y 13235799

Water Depth 2.4

Pipe Length 10 - 8 lbs

Tide Staff Readings:

Time Reading

Morning _____

Mid-Day _____

Evening _____

Push No. 1 Time 2:01

Weight of Pipe Penetration (WOP) 4.0

One-Hand Push (40-lb) Depth 4.5

Comment soft cl w/shell @ 4.5

Comments _____

One-Hand Push (70-lb) Depth 4.5 Comments shell

Two-Hand Push to Refusal - Depth 6.0 Comments SA cl w/shell frag.

Tiq 6.8 SA w/shell frag.

Push No. 2 Time 2:13

Weight of Pipe Penetration (WOP) 3.5

One-Hand Push (40-lb) Depth 3.5

Comment shell

Comments shell

One-Hand Push (70-lb) Depth 3.5 Comments shell

4" SA layer

Two-Hand Push to Refusal - Depth 6.5 Comments SA cl

Tiq 9.0 SA cl

6.5 - 7.0 shell layer

Hand Proving Ring Penetrometer Test? yes

Hand Vane Shear Test? _____

Technician (Probe Handler) Mike A.

Recorder GARY L.

HAND CONE PENETRATION TEST (CPT)

Delivery Order Number 023
Project AN w Refugee

Date 10/20/24

Location ID Number J-13
Time 3:04

Weight of Proving Ring _____
Weight of Rod Section 13.65

Weight of Rod Penetration 4.5
Comments

Number of Rods 3

[illegible][illegible]

Comments _____

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	3.5	-1.8	-1.3	-1.6
1 HP (40lbs)	4.5	3.5	-2.3	-1.3	-1.8
1 HP (70lbs)	4.5	3.5	-2.3	-1.3	-1.8
2 Hand Refusal	6	6.5	-3.8	-4.3	-4.1

[illegible]

Depth Vs. Shear Strength

♦ J13

