

PRELIMINARY INVESTIGATIONS OF SUBMERGED AREAS

Delivery Order Number 023
Project ANW Refuge

Date 10/21/04

Location ID Number J-27

Tide Staff Readings:

Coordinates: N 2634854

Time Reading

E 13233270

Morning _____

Water Depth 3.9

Mid-Day _____

Pipe Length 15 13/65

Evening _____

Push No. 1 Time 1:51

Weight of Pipe Penetration (WOP) 5.8 Comment _____

One-Hand Push (40-lb) Depth 6.0 Comments Soft CL

One-Hand Push (70-lb) Depth 6.3 Comments _____

3" CL Layer

Two-Hand Push to Refusal - Depth 9.2 Comments stiff CL

Jig 9.5

Push No. 2 Time 2:13

Weight of Pipe Penetration (WOP) 5.8 Comment _____

One-Hand Push (40-lb) Depth 6.2 Comments SA CL

One-Hand Push (70-lb) Depth 6.7 Comments SA CL

Two-Hand Push to Refusal - Depth 9.7 Comments _____

Jig 9.5 CL w/ 1" shell layers

Hand Proving Ring Penetrometer Test? yes

Hand Vane Shear Test? yes

Top of vane 2.0 CL
18 LBS shear

Technician (Probe Handler) Mike A.

Recorder Gary L.

ASI

HAND CONE PENETRATION TEST (CPT)

Delivery Order Number 023
Project ANW Refuge

Date 10/21/04

Location ID Number J-27
Time 2:33

Weight of Proving Ring _____
Weight of Rod Section 1375

Weight of Rod Penetration 5.0
Comments _____

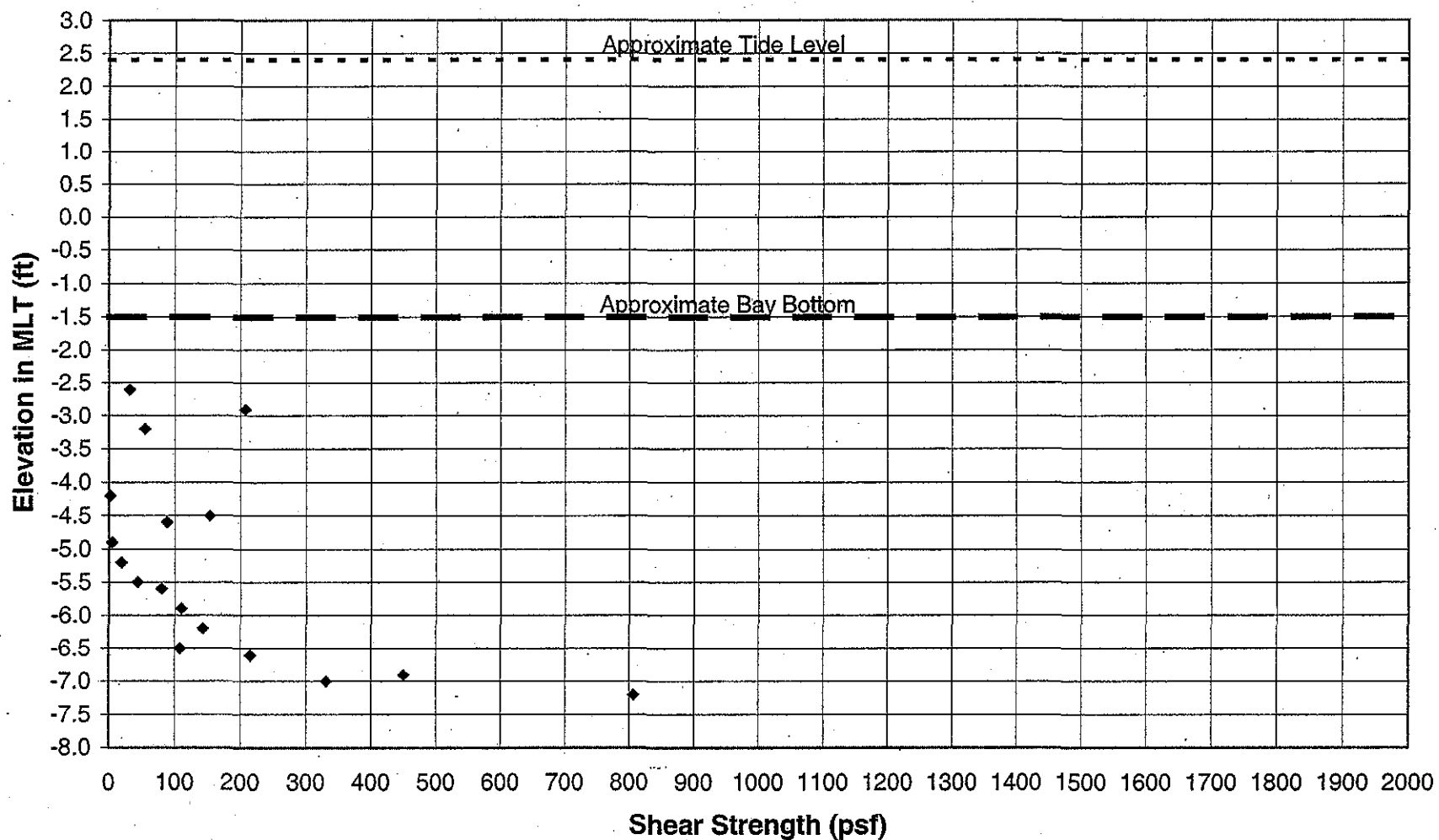
Number of Rods 3[illegible][illegible]

Comments _____

AS2

Depth Vs. Shear Strength

♦ J27



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	Depth 1	Depth 1	MLT1'	MLT2'	Average
Weight of Pipe	5.8	5.8	-3.4	-3.4	-3.4
1 HP (40lbs)	6	6.2	-3.6	-3.8	-3.7
1 HP (70lbs)	6.3	6.7	-3.9	-4.3	-4.1
2 Hand Refusal	9.2	8.7	-6.8	-6.3	-6.6

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