

2.25

PRELIMINARY INVESTIGATIONS OF SUBMERGED AREAS

Delivery Order Number 024 Date 11/10/04
 Project Alamogordo Wildlife Refuge

Location ID Number J-36 Tide Staff Readings:
 Coordinates: X 2635761 Time Reading
Y 13232960
 Water Depth 3.4 Morning _____
 Pipe Length 15 Mid-Day _____
 Evening _____

Push No. 1 Time 12:35
 Weight of Pipe Penetration (WOP) 3.8 Comment SA SACL
 One-Hand Push (40-lb) Depth 4.6 Comments _____

One-Hand Push (70-lb) Depth 4.9 Comments SA SACL
SA Layers

Two-Hand Push to Refusal - Depth 5.5 Comments Shell on Bottom
Jig 9.2 soft cl shell layers

Push No. 2 Time 12:44
 Weight of Pipe Penetration (WOP) 4.4 Comment _____
 One-Hand Push (40-lb) Depth 5.3 Comments SA

One-Hand Push (70-lb) Depth 5.3 Comments SA
soft cl layers

Two-Hand Push to Refusal - Depth 6.2 Comments Shell SA mix
Jig 7.0 Shell + SA

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

Technician (Probe Handler) Mike A Recorder Gary L.

A76

HAND CONE PENETRATION TEST (CPT)

Delivery Order Number 024

Date: 11/10/04

Project Akamas Wildlife Refuge

Location ID Number J-36

Weight of Proving Ring

Time 12: 49

Weight of Rod Section

Weight of Rod Penetration 4.3

Number of Rods 4

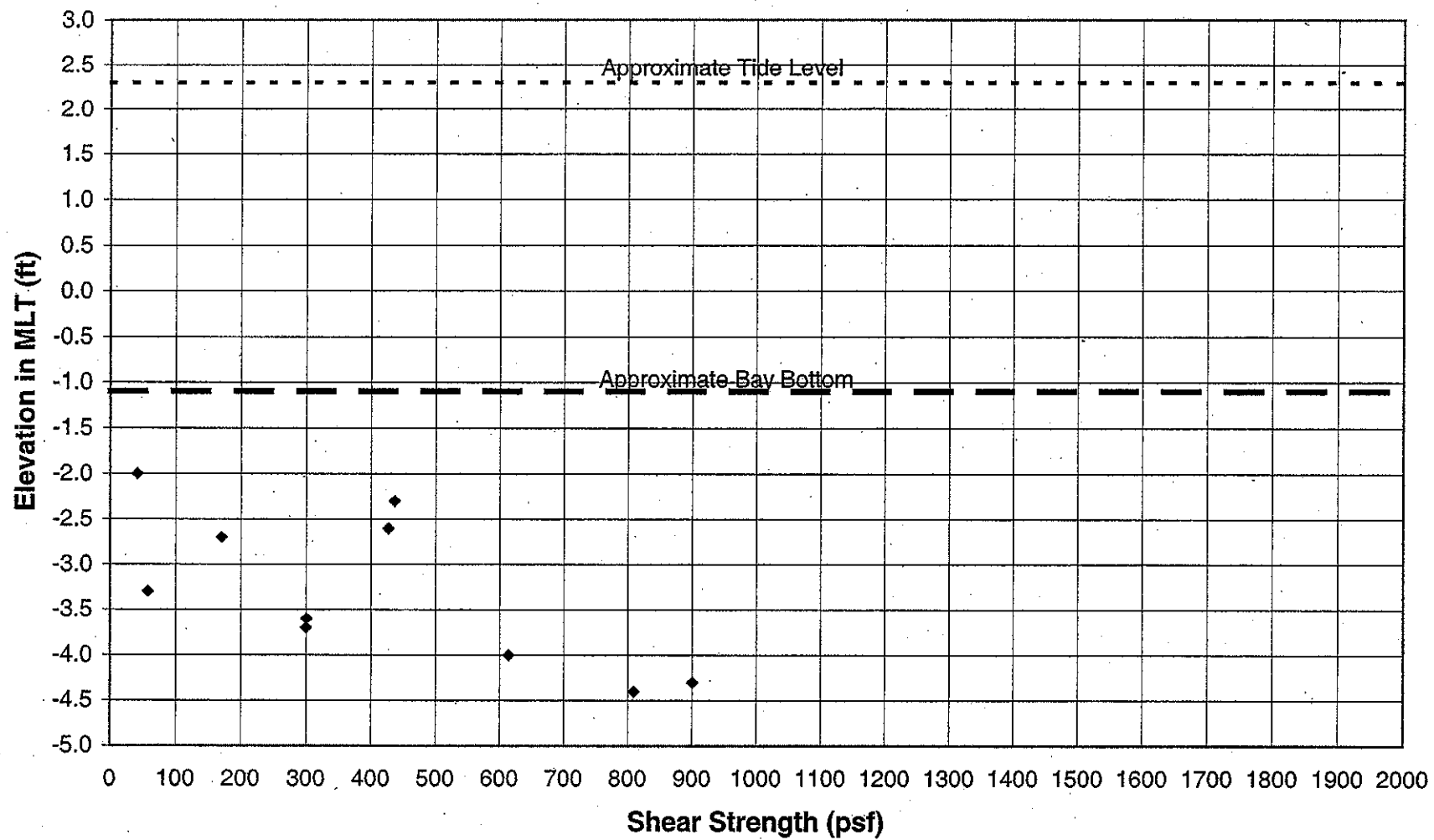
Comments

[illegible]

Comments

Depth Vs. Shear Strength

♦ J36



Hand Cone Penetrometer Test and Analysis:

RTB 12/07/04

Project: Arkansas National Wildlife Ref. - BUS Site "J"
Location: Dunham Bay located outside of Rockport, TX
Delivery Order #: 0024
Date of Testing: 11/10/04 - 11/11/04

Probing Results

Resistance	Depth'	Depth'	MLT1'	MLT2'	Average
Weight of Pipe	3.8	4.4	-1.5	-2.1	-1.8
1 HP (40lbs)	4.6	5.3	-2.3	-3.0	-2.7
1 HP (70lbs)	4.9	5.3	-2.6	-3.0	-2.8
2 Hand Refusal	5.5	6.2	-3.2	-3.9	-3.6

[illegible]