

PRELIMINARY INVESTIGATIONS OF SUBMERGED AREAS

Delivery Order Number 655 Date 12/13/06  
Project ANWR

Location ID Number 07-B-20  
Coordinates: X 2714689  
                  Y 149200  
Water Depth 4.4  
Pipe Length 15'

Tide Staff Readings:  
                  Time      Reading  
Morning      \_\_\_\_\_      \_\_\_\_\_  
Mid-Day      \_\_\_\_\_      \_\_\_\_\_  
Evening 4:40      1.5

Push No. 1                    Time 4:00  
Weight of Pipe Penetration (WOP) 4.6      Comment SAND  
One-Hand Push (40-lb) Depth 4.6      Comments SAND

One-Hand Push (70-lb) Depth 4.6      Comments SAND

Two-Hand Push to Refusal - Depth 6.0      Comments SAND  
Jig 8.5 SAND

Push No. 2                    Time 4:10  
Weight of Pipe Penetration (WOP) 4.5      Comment SAND  
One-Hand Push (40-lb) Depth 4.5      Comments SAND

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

Two-Hand Push to Refusal - Depth 5.8      Comments SAND  
Jig 8.2 SAND

Hand Proving Ring Penetrometer Test? No  
Hand Vane Shear Test? \_\_\_\_\_

Technician (Probe Handler) Mike A.      Recorder G. Lowe