



Ducks Unlimited , Inc.
Dickinson Bayou Marsh Restoration
Galveston County, Texas

LOG OF BORING AND TEST RESULTS

B-1

EUSTIS ENGINEERING

Project No: L0295
Date: 05/16/2013

Latitude: 29.45517
Longitude: -94.99328

Elevation: 0.0
Datum:
Water Depth: See Text
Total Depth: 10.0 ft

Scale in Feet	PP	SPT	SPL R	Symbol	Visual Classification	USC	Sample Number	Depth in Feet	Water Content Percent	Density		Shear Tests			Atterberg Limits			Other Tests
										Dry	Wet	Type	ϕ	C	LL	PL	PI	
0					2.5' Water													
5					Very soft gray & red clay w/organic matter, roots, & silt	CH	1	2.5	102						80	28	52	PD
					Very soft brown organic clay w/decayed wood & roots	OH	2	5	113						127	35	92	PD
					Very loose to loose gray silty sand w/decayed wood	SM	3	7	58									
10																		
15																		
20																		
25																		
30																		
35																		
40																		
45																		
50																		

NOTES: All depths shown above are referred below the water surface.



LEGEND AND NOTES FOR
LOG OF BORING AND TEST RESULTS

PP	Pocket penetrometer: Resistance in tons per square foot											
SPT	Standard Penetration Test: Number of blows of a 140-lb hammer dropped 30 inches required to drive 2-in. O.D., 1.4-in. I.D. sampler a distance of 1 foot into the soil after first seating it 6 inches											
SPLR	Type of Sampling		Shelby		SPT		Auger		No sample			
SYMBOL	Clay		Silt		Sand		Peat/Humus		Shells		Stone/Gravel	
Predominant type shown heavy; Modifying type shown light												
USC	Unified Soil Classification											
DENSITY	Unit weight in pounds per cubic foot											

SHEAR TESTS

TYPE

UC	Unconfined compression shear
OB	Unconsolidated undrained triaxial compression shear on one specimen confined at the approximate overburden pressure
UU	Unconsolidated undrained triaxial compression shear
CU	Consolidated undrained triaxial compression shear
DS	Direct shear

ϕ	Angle of internal friction in degrees
c	Cohesion in pounds per square foot

ATTERBERG LIMITS

LL	Liquid Limit
PL	Plastic Limit
PI	Plasticity Index

OTHER TESTS

CON	Consolidation
PD	Particle size distribution (sieve and/or hydrometer)
k	Coefficient of permeability in centimeters per second
SP	Swelling pressure in pounds per square foot

Other laboratory test results reported on separate figures

GENERAL NOTES

- (1) If a ground water depth is shown on the boring log, these observations were made at the time of drilling and were measured below the existing ground surface. These observations are shown on the boring logs. However, ground water levels may vary due to seasonal fluctuations and other factors. If important to construction, the depth to ground water should be determined by those persons responsible for construction immediately prior to beginning work.
- (2) While the individual logs of borings are considered to be representative of subsurface conditions at their respective locations on the dates shown, it is not warranted that they are representative of subsurface conditions at other locations and times.