

ALEXANDER ISLAND BORING SUMMARY SHEET

BORING ID:	<u>13-B10</u>
BORING TYPE:	<u>Borrow Source</u>
DEPTH:	<u>15'</u>
ELEVATION:	<u>27.75'</u>
X (US SURVEY FT):	<u>3225763.04</u>
Y (US SURVEY FT):	<u>13830892.08</u>
DEPTH TO WATER:	<u>2.8'</u>

Client: USACE-Galveston District Boring: 13-B10 Page 1 of 1

Date/Time Drilling Begun: 12.20.13/1055 Date/Time Drilling Ended: 12.20.13/1223

Driller: Jason New Logger: Eddie Fickler Designated X (Easting): 3225763

Drill Rig: Mobile B57 Designated Y (Northing): 13830892 Z (Elevation):

Total depth: 16.0' Initial Water Encounter (Depth, date/time): 3.4 Ft, 12.20.13/1108 Water Depth (15 min.): 2.8ft

Feet	USCS Log	Sample Interval (ft)	Amount Material Obtained (in)	Sample Type Blow Counts	Number of Tubes	Pocket Pene. (tsf)	Shear Strength (tsf)	Description (SOIL TYPE, color, moisture, plasticity, consistency, density, inclusions, etc.)
0	SM	0-2	13	ST	1 B	-	-	SAND, v. light orange brown, moist, v. loose, slightly silty, shell frags
		2-4						(F-C)
5	SM	3.5-5	12	SS 2-5-6	1 B	-	-	S. 1/8 SAND, Gray, Wet, Loose
		6-8						
10	SM CH/OH	8.5-10	13	SS 4-1-1	1 B	∅	0.15	S.A.A. to 9'6" clayey @ base CLAY Dk Gray, moist, High Plat, Very Soft.
	CH/OH	10-12	16	ST	1 T	∅	0.15	SAA, slightly sandy, SAs fine, common roots + carbonaceous debris
	OH	12-14	16	ST	1 T	∅	0.15	SAA turning black (OH)
15	CH/OH	14-16	17	ST	1 T	∅	0.15	S.A.A. Dk Gray to Black to Gray, dk brownish, CH/OH
20								

1055

1223

Weather: Overcast, breezy, ~63°F
 Comments: S.A.A. = same as above

B=bag, T=tube

Dk = Dark - SA = SAND
 V = Very

(F-C) = fine to coarse grained

USCS Log Legend:



US Army Corps of Engineers, Southwestern Division
 Galveston District
 2000 Fort Point Road/P.O. Box 1229
 Galveston, TX 77553-1229

Alexander Island
 Houston Ship Channel
 Baytown, TX



Quaternary Resource Investigations, L.L.C.
 Government & Industry in Harmony with the Environment
 13588 Florida Boulevard, Baton Rouge, Louisiana 70819

COPY OF PEGGY LAKE GEOTECH BH - PEGGY LAKE TEMPLATE GDT - 4/4/14 15:03 - F:\QRI DATA\TECHNICAL\JOBS (CURRENT)\AGE - GALVESTON\2012-12-20 GEOTECHNICAL CONTRACT\TASK ORDER DY06 2013-09-10 ALEXANDER ISLAND\DELIVERABLES\ALEXANDER ISLAND\DELIVERABLES\ALEX



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BORING NUMBER 13-B10

CLIENT USACE-Galveston District **PROJECT NAME** Alexander Island
PROJECT NUMBER W912HY-13-D-0001-DY06 **PROJECT LOCATION** Alexander Island, Baytown, TX
DATE STARTED 12/20/2013 10:55:00 **COMPLETED** 12/20/2013 12:23:00 **GROUND ELEVATION** 27.7488 ft **HOLE SIZE** 8.25 inches
DRILLING CONTRACTOR QRI **NORTHING** 13830892 ft **EASTING** 3225763 ft
DRILLING METHOD Hollow Stem Auger **DRILLING RIG MAKE/MODEL** Mobile B57 on Gemco Articulated Platform
LOGGED BY Eddie Ficker **TOTAL DEPTH** 16 ft **GROUND WATER LEVEL** ▽ AT TIME OF DRILLING 3.40 ft / Elev 24.35 ft
WEATHER cloudy, 63, breezy **24 HOURS AFTER DRILLING** ▽ 2.80 ft / Elev 24.95 ft

GRAPHIC LOG	USCS SYMBOL	MATERIAL DESCRIPTION	DEPTH (ft)	SAMPLE TYPE	RECOVERY (in)	SPT BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	FIELD TORVANE (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS				MINUS #200 SIEVE CONTENT (%)	COMPRESSIVE STRENGTH (tsf)	FAILURE STRAIN (%)	CONFINING PRESSURE (psi)	
											LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX						
	SP	SAND; fine to coarse grained, orangish brown, moist, very loose, slightly silty, shell fragments common gray, wet, loose	0	ST	13		-			3									
				NR	0														
			5	SS	12	2-5-6 (11)	-				20				3				
				NR	0														
	CL	clayey at base Silty CLAY; dark gray, moist, high plasticity, very soft slightly sandy, sand is fine grained, roots and carbonaceous debris common	10	SS	13	4-1-1 (2)	-/0	-/0.15		29									
				ST	16			0	0.15		46	47	17	30					
	CH	CLAY; black, moist, high plasticity, very soft dark gray to black to dark brownish gray		ST	16		0	0.15		87									
			15	ST	17		0	0.15		72	98	25	73						

Bottom of borehole at 16.0 feet.

