

ALEXANDER ISLAND BORING SUMMARY SHEET

BORING ID:	<u>13-B09</u>
BORING TYPE:	<u>Borrow Source</u>
DEPTH:	<u>15'</u>
ELEVATION:	<u>28.02'</u>
X (US SURVEY FT):	<u>3225431.15</u>
Y (US SURVEY FT):	<u>13830710.11</u>
DEPTH TO WATER:	<u>2.8'</u>

Client: USACE-Galveston District Boring: 13-B09 Page 1 of 1
 Date/Time Drilling Begun: 12.20.13/918 Date/Time Drilling Ended: 12.20.13/1035
 Driller: Jason New Logger: Eddie Ficker Designated X (Easting): 322 5494
 Drill Rig: Mobile B57 Designated Y (Northing): 13830 624 Z (Elevation):
 Total depth: 15.0 Initial Water Encounter (Depth, date/time): 3.4 Ft 12.20.13/934 Water Depth (15 min.): 2.8 Ft.

918

1035

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	12	ST	1B	-	-	SAND (F-C), V. light Orange Brown, Moist, Loose, Slightly Silty Common shell frags
		2-4						
5	SM	3.5-5 4-6	12	SS 3-5-7	1B	-	-	Silty SAND (F-C), Gray, Wet, Loose,
		6-8						
10		8.5-10 8-10	12	SS WOR-3-2	1B	-	-	SAA, SA is F-M, Slightly Carbonaceous
15	SM CH/SH	13.5-15	12	SS 1-1-3	1B	0	0.35	SAA to 14' 9" Gray to Dark Gray CLAY, Moist, V. ST 14' 9" to 15
20								

Weather: Foggy, Breezy, ~60°F, V. Humid

Comments: (F-C) = Fine to Coarse grained

SAA = same as above

F-M = Fine to Medium grained

SA = SAND

V = Very

Frags = Fragments

B=bag, T=tube

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\ALEX



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BORING NUMBER 13-B09

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 9:18:00 AM **COMPLETED** 12/20/2013 10:35:00 AM **GROUND ELEVATION** 28.019 ft **HOLE SIZE** 8.25 inches
DRILLING CONTRACTOR QRI **NORTHING** 13830625 ft **EASTING** 3225494 ft
DRILLING METHOD Hollow Stem Auger **DRILLING RIG MAKE/MODEL** Mobile B57 on Gemco Articulated Platform
LOGGED BY Eddie Ficker **TOTAL DEPTH** 15 ft **GROUND WATER LEVEL** ▽ **AT TIME OF DRILLING** 3.40 ft / Elev 24.62 ft
WEATHER foggy, 60, breezy, very humid **24 HOURS AFTER DRILLING** ▽ 2.80 ft / Elev 25.22 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-SM	SAND with SILT; fine to coarse grained, very light orangish brown, moist, very loose, shell fragments common	0	ST	12		-			4				6				
		gray, wet, loose		NR	0													
	SP-SC	SAND with CLAY; fine to coarse grained, very light orangish brown, moist, very loose, shell fragments common	5	SS	12	3-5-7 (12)	-			19				11				
				NR	0													
		fine to medium grained, slightly carbonaceous	10	SS	12	0-3-2 (5)	-			22								
				NR	0													
	CH	CLAY; gray to dark gray, moist, very soft	15	SS	12	1-1-3 (4)	-/0	-/0.35		43								

Bottom of borehole at 15.0 feet.

