

# ALEXANDER ISLAND BORING SUMMARY SHEET

<b>BORING ID:</b>	<u>13-B06</u>
<b>BORING TYPE:</b>	<u>Borrow Source</u>
<b>DEPTH:</b>	<u>15'</u>
<b>ELEVATION:</b>	<u>27.97'</u>
<b>X (US SURVEY FT):</b>	<u>3225137.02</u>
<b>Y (US SURVEY FT):</b>	<u>13830319.06</u>
<b>DEPTH TO WATER:</b>	<u>2.9'</u>

Client: USACE-Galveston District Boring: 13-B06  
 Date/Time Drilling Begun: 12.18.13/1245 Date/Time Drilling Ended: 12.18.13/1355  
 Driller: J. New Logger: E. Ficker Designated X (Easting): 3225009  
 Drill Rig: Mobile B57 Designated Y (Northing): 13830410 Z (Elevation):  
 Total depth: 15.0 Initial Water Encounter (Depth, date/time): 3.4 ft, 12.18.13/1254 Water Depth (15 min.): 2.9 ft

1245  
 ↑  
 Dredge Spoil  
 ↓  
 1355

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	14	ST	1 B	-	-	Silty SAND (F-C), V. Light Grayish Brown, Moist, V. Loose
2.4		<del>2.4</del>						
5	SM	3.5-4.6 5.0	12	SS 2-2-2	1 B	-	-	S.A.A, Wet, light Gray
6-8								
10	SM	8.5-10 8-10	13	SS 2-4-1	1 B	-	-	S.A.A.; (F-M), Gray, V. Silty
15	SM/SC off	13.5-15	15	SS 5-6-7	1 B	-	-	S.A.A. to 14'6" Very Clayey & Very Silty SA is Fine. 14'6" to 15' Dk Gray to Black CLAY, roots, Metal debris, V. Silty Carbonaceous.
20								

Weather: Sunny, slight breeze, ~60°F  
 Comments:

S.A.A. = same as above F-M = fine to medium grained V = very 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 15:02 - F:\QRI DATA\TECHNICAL\JOBS (CURRENT)\AGE - GALVESTON\2012-12-20 GEOTECHNICAL\ORDERS\2013-09-10 ALEXANDER ISLAND\DELIVERABLES\ALEX



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**BORING NUMBER 13-B06**  
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**CLIENT** USACE-Galveston District      **PROJECT NAME** Alexander Island  
**PROJECT NUMBER** W912HY-13-D-0001-DY06      **PROJECT LOCATION** Alexander Island, Baytown, TX  
**DATE STARTED** 12/18/2013 12:45:00 **COMPLETED** 12/18/2013 1:55:00 **GROUND ELEVATION** 27.9705 ft      **HOLE SIZE** 8.25 inches  
**DRILLING CONTRACTOR** QRI      **NORTHING** 13830410 ft      **EASTING** 3225009 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 24.57 ft  
**WEATHER** sunny, 60, slight breeze      **24 HOURS AFTER DRILLING** ▽ 2.90 ft / Elev 25.07 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						
	SC	Clayey SAND; fine to coarse grained, very light grayish brown, moist, very loose	0	ST	14		-			9				16					
		wet, light gray		NR	0														
			5	SS	12	2-2-2 (4)	-				18								
				NR	0														
			10	SS	13	2-4-1 (5)	-				25								
		very clayey and very silty, fine grained		NR	0														
	OH	CLAY; dark gray to black, very soft, with roots and metal debris, carbonaceous	15	SS	15	5-6-7 (13)	-			41									
		Bottom of borehole at 15.0 feet.																	





