

# ALEXANDER ISLAND BORING SUMMARY SHEET

<b>BORING ID:</b>	<u>13-B15</u>
<b>BORING TYPE:</b>	<u>Borrow Source</u>
<b>DEPTH:</b>	<u>15'</u>
<b>ELEVATION:</b>	<u>27.36'</u>
<b>X (US SURVEY FT):</b>	<u>3225027.98</u>
<b>Y (US SURVEY FT):</b>	<u>13831671.05</u>
<b>DEPTH TO WATER:</b>	<u>3.0'</u>

Client: USACE-Galveston District Boring: 13-B15 Page 1 of 1  
 Date/Time Drilling Begun: 12.22.13/0755 Date/Time Drilling Ended: 12.22.13/0910  
 Driller: Jason New Logger: Eddie Ficker Designated X (Easting): 3225028  
 Drill Rig: Mobile B57 Designated Y (Northing): 13831671 Z (Elevation):  
 Total depth: 15.0 Initial Water Encounter (Depth, date/time): 3.3 ft 12.22.13 / 0815 Water Depth (15 min.): 3.0 ft

0755  
 ↑  
 Pledge Spoil  
 ↓  
 0910

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	SC	0-2	17	ST	1 B	-	-	Silty, Clayey SAND (F-C), Brownish Gray to Light Grayish Brown, Moist, Loose, Common shell fragments
3		<del>2-4</del>						
5	SM	<del>3.5-5</del> 4-8	12	<del>SS</del> 4-6-7	1 B	-	-	Silty SAND (F-M), Light Brownish Gray, Wet, Med. Dense
		<del>6-8</del>						
10	SM	<del>8.5-10</del> 8-10	12	<del>SS</del> 4-4-5	1 B	-	-	S.A.A.; V. Silty, Carbonaceous + Dark Gray from 9'6" to 10'
12								
15	CH/OH	13.5-15.0	18	<del>SS</del> 1-Wor-Wor	1 B	∅	0.25	CLAY, Light Brownish Gray to Black (Mudflats), Moist, V. Soft, High Plast., TRACE of Fine SAND.
20								

Weather: Cloudy Calm; ~60°F  
 Comments: F-C = fine to coarse grained F-M = fine to medium grained S.A.A. Same as above Med = Medium  
 V = very Plast = Plasticity B = bag, T = tube

USCS Log Legend:

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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-B15**

**CLIENT** USACE-Galveston District      **PROJECT NAME** Alexander Island  
**PROJECT NUMBER** W912HY-13-D-0001-DY06      **PROJECT LOCATION** Alexander Island, Baytown, TX  
**DATE STARTED** 12/22/2013 7:55:00 AM **COMPLETED** 12/22/2013 9:10:00 AM **GROUND ELEVATION** 27.3575 ft      **HOLE SIZE** 8.25 inches  
**DRILLING CONTRACTOR** QRI      **NORTHING** 13831671 ft      **EASTING** 3225028 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** 3.30 ft / Elev 24.06 ft  
**WEATHER** cloudy, 60, calm      **24 HOURS AFTER DRILLING** ▽ 3.00 ft / Elev 24.36 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	Silty clayey SAND; fine to coarse grained, brownish gray to light grayish brown, moist, loose, with common shell fragments	0	ST	17		-			14								
				NR	0													
	SP-SM	SAND with SILT; fine to medium grained, light brownish gray, wet, medium dense  very silty, carbonaceous, dark gray from 9.5-10.0'	5	SS	12	4-6-7 (13)	-			20			9					
				NR	0													
			10	SS	12	4-4-5 (9)	-				25							
				NR	0													
	CH	CLAY; light brownish gray, moist, very soft, high plasticity, with a trace of fine sand  black	15	SS	18	1-0-0 (0)	0	0.25		71								
				NR	0													

Bottom of borehole at 15.0 feet.





