

# ALEXANDER ISLAND BORING SUMMARY SHEET

<b>BORING ID:</b>	<u>13-B07</u>
<b>BORING TYPE:</b>	<u>Borrow Source</u>
<b>DEPTH:</b>	<u>15'</u>
<b>ELEVATION:</b>	<u>27.40'</u>
<b>X (US SURVEY FT):</b>	<u>3225402.24</u>
<b>Y (US SURVEY FT):</b>	<u>13830377.84</u>
<b>DEPTH TO WATER:</b>	<u>3.2'</u>

Client: USACE-Galveston District      Boring: 13-B07  
 Date/Time Drilling Begun: 12.18.13/1539      Date/Time Drilling Ended: 12.20.13/0905  
 Driller: J. New      Logger: E. Ficker      Designated X (Easting): 3225462  
 Drill Rig: Mobile B57      Designated Y (Northing): 13830378      Z (Elevation):  
 Total depth: 15.0      Initial Water Encounter (Depth, date/time): 3.8 Ft 12.20.13/815      Water Depth (15 min.): 3.2 Ft

1539  
STOP  
12-20-13  
e 7:55

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	13	ST	1 B	-	-	Silt, clayey, <sup>(F-C)</sup> SAND, Moist, V. Light Grayish Brown
3'		2-4						
5	SM	3.5-5.0 4-6	12	SS 1-5-5	1 B	-	-	Silt, SAND (F-C), Light Gray, Wet, Loose, Common Shell frags
		6-8						
10		8.5-10 8-10	12	SS 2-2-2	1 B	-	-	SAA, V. Silt, Silt (F-M), Loose
	SM CH	13.5- 15.0	13	SS 5-9-4	1 B	0	0.35	SAA to 14'6" 14'6"-15' Brownish Gray (olive Gray) turn Dark Gray, CLAY, Moist high plastic. V Silt frags
20								

Weather: Foggy, Calm, ~60°F, Very Humid  
 Comments:

B=bag, T=tube      V=Very      Dk=Dark  
 S.A.A=Same as above      (F-C)=Fine to Coarse grained      (F-M)=Fine to Medium grained      frags=fragments



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

**QRI** 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-B07**

**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 3:39:00 PM **COMPLETED** 12/20/2013 9:05:00 AM **GROUND ELEVATION** 27.4028 ft **HOLE SIZE** 8.25 inches  
**DRILLING CONTRACTOR** QRI **NORTHING** 13830378 ft **EASTING** 3225402 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 3.80 ft / Elev 23.60 ft  
**WEATHER** foggy, 60, calm, very humid **24 HOURS AFTER DRILLING** ▽ 3.20 ft / Elev 24.20 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					
	CH	CLAY; fine to coarse grained, very light grayish brown, moist	0	ST	13		-			25				69				
			Silty SAND; fine to coarse grained, light gray, wet, loose, shell fragments common	5	NR	0					26							
	SM	very silty, fine to medium grained, very loose		NR	0													
				SS	12	1-5-5 (10)	-				21							
				NR	0													
	CH	CLAY; brownish gray (olive gray) turning to dark gray, moist, high plasticity, very soft	15	SS	13	5-9-4 (13)	0	0.35		41								

Bottom of borehole at 15.0 feet.









