

ALEXANDER ISLAND BORING SUMMARY SHEET

BORING ID:	<u>13-B30</u>
BORING TYPE:	<u>Borrow Source</u>
DEPTH:	<u>15'</u>
ELEVATION:	<u>27.31'</u>
X (US SURVEY FT):	<u>3225210.96</u>
Y (US SURVEY FT):	<u>13832605.92</u>
DEPTH TO WATER:	<u>0.75'</u>

Client: USACE-Galveston District Boring: 13-B30
 Date/Time Drilling Begun: 12.5.13 / 1325 Date/Time Drilling Ended: 12.5.13 / 1423
 Driller: Jason New Logger: Eddie Ficker Designated X (Easting): Long -95.0396890
 Drill Rig: Mobile B57 Designated Y (Northing): Lat 29.7254733Z (Elevation):
 Total depth: 15.0' Initial Water Encounter (Depth, date/time): 0.75', 12.5.13/1328 Water Depth (15 min.): 0.75'

1325
Dredge Spill
END 1423

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	15	ST	1B	-	-	0-2.0 (F-C) Silty SAND, Light grayish Brown, Moist to Wet, V. Loose common shell frags
	SM	2-4 3.5-5	15	SS 6-5-5	1B	-	-	SAA (F-M) Light Gray, Wet, Loose to V. Loose
5		4-6						
		6-8						
8.0	SC	8-10 8.5-10	14	SS 1-1-2	1B	-	-	8.0 to 14.0 Very (F-M) Dark Gray, Wet V. Loose SAND
10								SAA - turning Drabish Brown + Gray S&S F.
14	SM	13.5-15.0	16	SS 1-1-1	1B	-	-	14.0 to 15.0 Light Brownish Gray Silty SAND, Wet, (F-C)
20								

Weather: Windy, overcast, ~55°F
 Comments: (F-C) = fine to coarse grained (F-M) = fine to medium grained √ = Very S.A.A. = Same as above SA = SAND F = fine grained

USCS Log Legend:

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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-B30

CLIENT USACE-Galveston District **PROJECT NAME** Alexander Island
PROJECT NUMBER W912HY-13-D-0001-DY06 **PROJECT LOCATION** Alexander Island, Baytown, TX
DATE STARTED 12/5/2013 1:25:00 PM **COMPLETED** 12/5/2013 2:23:00 PM **GROUND ELEVATION** 27.3122 ft **HOLE SIZE** 8.25 inches
DRILLING CONTRACTOR QRI **NORTHING** 13832606 ft **EASTING** 3225211 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 0.75 ft / Elev 26.56 ft
WEATHER cloudy, mid 50s, windy **24 HOURS AFTER DRILLING** ▽ 0.75 ft / Elev 26.56 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-SC	▽ SAND with CLAY; fine to coarse grained, light grayish brown, moist to wet, very loose, with common shell fragments	0	ST	15		-			13				5			
				NR	0												
	SM	Silty SAND; fine to medium grained, light gray, wet, loose to very loose	5	SS	15	6-5-5 (10)	-			23				25			
				NR	0												
	SC	Silty, very clayey SAND; fine to medium grained, dark gray, wet, very loose orangish brown and gray, fine grained	10	SS	14	1-1-2 (3)	-			26							
				NR	0												
	SM	Silty SAND; fine to coarse grained, light brownish gray, wet	15	SS	16	1-1-1 (2)	-			25							

Bottom of borehole at 15.0 feet.

