

ALEXANDER ISLAND BORING SUMMARY SHEET

BORING ID:	<u>13-B23</u>
BORING TYPE:	<u>Borrow Source</u>
DEPTH:	<u>15'</u>
ELEVATION:	<u>22.95'</u>
X (US SURVEY FT):	<u>3226409.90</u>
Y (US SURVEY FT):	<u>13832382.04</u>
DEPTH TO WATER:	<u>2.8'</u>

Client: USACE-Galveston District Boring: B-1323
 Date/Time Drilling Begun: 12.8.13 / 1230 Date/Time Drilling Ended: 12.8.13 / 1400
 Driller: J. New Logger: E. Ficker Designated X (Easting):
 Drill Rig: Mobile B57 Designated Y (Northing): Z (Elevation):
 Total depth: 15 Initial Water Encounter (Depth, date/time): 3.55ft 12.8.13/1230 Water Depth (15 min.): 2.8'

1230
Dredge Spoil
End 1400

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	Shell hash							
0-2	SC	0-2	13	ST	1B	-	-	Clayey SAND (F-C), Fine Blown, Moist, Loose, Abundant Shell
2-4	SC	2-4	14	SS	1B	-	-	Silty, clayey SAND (F-C), Gray, Wet, V. Loose
4-6		4-6						
6-8		6-8						
8-10	SM	8-10	15	SS	1B	-	-	Silty SAND (F-C), Wet, Loose to Med. Dense
10-12								
12-15	SC	12-15	15	SS	1B	-	-	Silty, Clayey SAND (F-C), Gray, Wet, V. Loose, Increasing clay at base.
15-20								

Weather: Overcast, ~45°F
 Comments: (F-C) = fine to coarse grained v. = very

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
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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-B23

CLIENT USACE-Galveston District **PROJECT NAME** Alexander Island
PROJECT NUMBER W912HY-13-D-0001-DY06 **PROJECT LOCATION** Alexander Island, Baytown, TX
DATE STARTED 12/8/2013 12:30:00 PM **COMPLETED** 12/8/2013 2:00:00 PM **GROUND ELEVATION** 22.949 ft **HOLE SIZE** 8.25 inches
DRILLING CONTRACTOR QRI **NORTHING** 13832441 ft **EASTING** 3226408 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 3.55 ft / Elev 19.40 ft
WEATHER cloudy, mid 40s **24 HOURS AFTER DRILLING** ▽ 2.80 ft / Elev 20.15 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, grayish brown, moist, loose, with abundant oyster shells at surface gray, wet, very loose, silty	0	ST	13		-			36				47			
			5	NR	0												
	SM	Silty SAND; fine to coarse grained, wet, loose to medium dense	5	SS	14	1-2-3 (5)	-			25				47			
			10	NR	0												
	SC	Silty clayey SAND; fine to coarse grained, gray, wet, very loose, increasing clay content at base	10	SS	15	2-7-4 (11)	-			23							
			15	NR	0												
			15	SS	15	1-2-2 (4)	-			26							

Bottom of borehole at 15.0 feet.

