

ALEXANDER ISLAND BORING SUMMARY SHEET

BORING ID:	<u>13-B12</u>
BORING TYPE:	<u>Borrow Source</u>
DEPTH:	<u>15'</u>
ELEVATION:	<u>26.12'</u>
X (US SURVEY FT):	<u>3225579.86</u>
Y (US SURVEY FT):	<u>13831378.86</u>
DEPTH TO WATER:	<u>2.1'</u>

Client: USACE-Galveston District Boring: 13-B12
 Date/Time Drilling Begun: 12.20.13/1340 Date/Time Drilling Ended: 12.20.13/1505
 Driller: Jason New Logger: Folic Ficker Designated X (Easting): 3225508.4
 Drill Rig: Mobile B57 Designated Y (Northing): 13831329.6 Z (Elevation):
 Total depth: 15.0' Initial Water Encounter (Depth, date/time): 3.5ft 12.20.13/1552 Water Depth (15 min.): 2.1 ft

1340

10' 99' 10'

565

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	8"	ST	1B	-	-	Silty SAND, V. light Brownish Gray, Moist, V. Loose, slightly clayey (Common shell frags)
		2-4						
5	SM	3.5-5 4-6	12	SS 7-109	1B	-	-	S.A.A., Gray, Med. Dense to 8'
		6-8						(F-M) V. Silty, clayey ← clayey at base
8'	SC	8-10 8-10	13	SS 2-3-5	1B	-	-	SAND, Loose, slightly carbonaceous and D.K. Gray 9'9"
10'	SP	10-12	15	ST	1B	-	-	CLAY, Black to Dk Gray, V. soft, Moist, High Plast., 10'
		10' to 14'3"						Fine SAND, Gray, Wet, Loose, Silty, Traces of Med. SA, Slightly carbonaceous
		13.5-15	12	SS 1-1-1	1B	0	0.25	14'3" to 15' CLAY, Black to Dk Gray, Moist, High Plast., V. soft, Trace of Fine SAND 15'
15	OH							
20								

Weather: Overcast, Breezy, - 65°F

B=bag, T=tube

Comments: V=Very

SAA= same as above Dk = Dark Plast. = Plasticity Med = Medium

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.
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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\ORDERS\2013-09-10 ALEXANDER ISLAND\DELIVERABLES\ALEX



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BORING NUMBER 13-B12

CLIENT USACE-Galveston District **PROJECT NAME** Alexander Island
PROJECT NUMBER W912HY-13-D-0001-DY06 **PROJECT LOCATION** Alexander Island, Baytown, TX
DATE STARTED 12/20/2013 1:40:00 PM **COMPLETED** 12/20/2013 3:05:00 PM **GROUND ELEVATION** 26.1157 ft **HOLE SIZE** 8.25 inches
DRILLING CONTRACTOR QRI **NORTHING** 13831330 ft **EASTING** 3225508 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** 3.50 ft / Elev 22.62 ft
WEATHER cloudy, 65, breezy **24 HOURS AFTER DRILLING** ▽ 2.10 ft / Elev 24.02 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	SP-SC	SAND with CLAY; very light brownish gray, moist, very loose, slightly clayey, shell fragments common	0	ST	8		-			14				12			
		gray, medium dense	5	NR	0												
			5	SS	12	7-10-9 (19)		-			20						
SC	SC	Very silty clayey SAND; fine to medium grained, dark gray, loose, slightly carbonaceous, clayey at the base	10	SS	13	2-3-5 (8)	-			7							
		CLAY; black to dark gray, moist, high plasticity, very soft	10	ST	15		-/0	-/0		1							
SP	SP	SAND; fine grained, gray, wet, loose, silty, trace of medium grained sand, slightly carbonaceous, turning dark gray at base	15	NR	0												
			15	SS	12	1-1-1 (2)	0	0.25		82							

Bottom of borehole at 15.0 feet.

