

ALEXANDER ISLAND BORING SUMMARY SHEET

BORING ID:	<u>13-B04</u>
BORING TYPE:	<u>Borrow Source</u>
DEPTH:	<u>15'</u>
ELEVATION:	<u>28.02'</u>
X (US SURVEY FT):	<u>3225085.04</u>
Y (US SURVEY FT):	<u>13829951.90</u>
DEPTH TO WATER:	<u>3.5'</u>

Client: USACE-Galveston District Boring: 13-B04
 Date/Time Drilling Begun: 12.17.13 / 1440 Date/Time Drilling Ended: 12.17.13 / 1555
 Driller: J. New Logger: E. Fickler Designated X (Easting): 3225085
 Drill Rig: Mobile B57 Designated Y (Northing): 13829952 Z (Elevation):
 Total depth: 15.0 Initial Water Encounter (Depth, date/time): 3.7 Ft 12.17.13/1458 Water Depth (15 min.): 3.5 Ft

1440

1555

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	16	ST	1 B	-	-	SAND (F-C), Light Grayish Brown, Moist, V. Loose, Slightly Silty, Abundant shell frags
		2-4						
5	SM	3.5-5 4-8	12	SS 2-2-1	1 B	-	-	S.A.A., Wet, Slightly Silty Clayey, V. Loose
		6-8						
10	SM	8.5-10 8-10	12	SS 4-7-8	1 B	-	-	S.A.A. Silty SAND (F-M), Wet, Light Gray, Dense, no apparent shell frags
15	SM	13.5-15.0	3	SS WOR-WOR	1 B	-	-	S.A.A. Turning Dk Gray Silty SAND (F-M), Wet
20								

Weather: Sunny, slight breeze, ~65°F
 Comments:

WOR = weight of rods S.A.A. = same as above Dk = Dark frags = fragments
 V = Very Frags = fragments F-M = Fine to Medium grained B = bag, T = tube

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.
 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 15:02 - F:\QRI DATA\TECHNICAL\JOBS (CURRENT)\AGE - GALVESTON\2012-12-20 GEOTECHNICAL\ORDERS\2013-09-10 ALEXANDER ISLAND\DELIVERABLES\ALEX



Quaternary Resource Investigations, LLC
 13588 Florida Boulevard
 Baton Rouge, LA 70820
 Telephone: 225-292-1400
 Fax: 225-292-1404

BORING NUMBER 13-B04

CLIENT USACE-Galveston District **PROJECT NAME** Alexander Island
PROJECT NUMBER W912HY-13-D-0001-DY06 **PROJECT LOCATION** Alexander Island, Baytown, TX
DATE STARTED 12/17/2013 2:40:00 PM **COMPLETED** 12/17/2013 3:55:00 PM **GROUND ELEVATION** 28.0173 ft **HOLE SIZE** 8.25 inches
DRILLING CONTRACTOR QRI **NORTHING** 13829952 ft **EASTING** 3225085 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 3.70 ft / Elev 24.32 ft
WEATHER sunny, 65, slight breeze **▽ 24 HOURS AFTER DRILLING** 3.50 ft / Elev 24.52 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					
	SM	Slightly silty SAND; fine to coarse grained, light grayish brown, moist, very loose, with abundant shell fragments	0	ST	16		-			13								
		wet, slightly silty and clayey	4.5	NR	0													
			5	SS	12	2-2-1 (3)		-			30			36				
			8	NR	0													
		fine to medium grained, light gray, dense, no apparent shell fragments	10	SS	12	4-7-8 (15)		-			20							
		dark gray	15	SS	3	0-0-1 (1)		-			23							

Bottom of borehole at 15.0 feet.

