

ALEXANDER ISLAND BORING SUMMARY SHEET

BORING ID:	<u>13-B19</u>
BORING TYPE:	<u>Borrow Source</u>
DEPTH:	<u>15'</u>
ELEVATION:	<u>29.61'</u>
X (US SURVEY FT):	<u>3225218.97</u>
Y (US SURVEY FT):	<u>13832197.96</u>
DEPTH TO WATER:	<u>4.5'</u>

Client: USACE-Galveston District Boring: 13-B19 Page 1 of 1
 Date/Time Drilling Begun: 12.9.13/1320 Date/Time Drilling Ended: 12-9-13/1505
 Driller: J. New Logger: E. Ficker Designated X (Easting): 3225789
 Drill Rig: Mobile 657 Designated Y (Northing): 13832191 Z (Elevation):
 Total depth: 15.0 Initial Water Encounter (Depth, date/time): 5.6 ft, 12.9.13/1402 Water Depth (15 min.): 4.5

Drudge spoil 3'

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	CL	0-2	10	ST	1 _T	0	0.15	Clay with SAND, Med Plast, Gray SA is F-C. V. Soft
2	SC	2-4	20	ST	2 _{1B} 1 _T	0	0.15	Clayey SAND (F-C), Moist, Gray Common shell frags
4	SC	4-5 4-5	13	SS -3.9	1 _B	-	-	S.A.A.
6		6-8						
8	SM	8-10 8.5-10	14	SS 6-16-31	1 _B	-	-	Silty SAND (F-C), Gray Wet, Dense, Turning Dark Gray Fine Carbonaceous frags
10								
12								
14	SC	B5- 15.0	6	SS 1-1.2	1 _B	-	-	Dark Gray clayey SAND (FC) Wet V. loose, (Clay is OH)
16								
18								
20								

Weather: Overcast, Drizzle, ~45°F
 Comments:

USCS Log Legend: Plast. = Plasticity v. = Very (F-C) = Fine to Coarse grained Frags = Fragments

GW	GP	GM	GC	SW	SP	SM	SC	ML	CL	OL	MH	CH	OH	PT
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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



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

BORING NUMBER 13-B19

CLIENT USACE-Galveston District **PROJECT NAME** Alexander Island
PROJECT NUMBER W912HY-13-D-0001-DY06 **PROJECT LOCATION** Alexander Island, Baytown, TX
DATE STARTED 12/9/2013 1:20:00 PM **COMPLETED** 12/9/2013 3:05:00 PM **GROUND ELEVATION** 29.6118 ft **HOLE SIZE** 8.25 inches
DRILLING CONTRACTOR QRI **NORTHING** 13832198 ft **EASTING** 3225219 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 5.60 ft / Elev 24.01 ft
WEATHER drizzle, mid 40s **▽ 24 HOURS AFTER DRILLING** 4.50 ft / Elev 25.11 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, gray, medium plasticity, very soft	0	ST	10		0	0.15		26	43	16	27	43			
		fine to coarse grained, gray, moist, with common shell fragments	5	ST	20		0	0.15		30							
			5	SS	12	3-9	-			23				30			
	SM	Silty SAND; fine to coarse grained, gray, wet, dense		NR	0												
		dark gray and carbonaceous	10	SS	14	6-16-31 (47)	-			19							
					NR	0											
	SC	Clayey SAND; fine to coarse grained, dark gray, wet, very loose, clay is organic	15	SS	6	1-1-2 (3)	-			43							

Bottom of borehole at 15.0 feet.

