

ALEXANDER ISLAND BORING SUMMARY SHEET

BORING ID:	<u>13-B26</u>
BORING TYPE:	<u>Borrow Source</u>
DEPTH:	<u>15'</u>
ELEVATION:	<u>23.82'</u>
X (US SURVEY FT):	<u>3226192.06</u>
Y (US SURVEY FT):	<u>13832587.05</u>
DEPTH TO WATER:	<u>4.3'</u>

Wanted to get New Lat / Long

Client: USACE-Galveston District	Boring: 13-B26
Date/Time Drilling Begun: 12.7.13/850	Date/Time Drilling Ended: 12.7.13/1000
Driller: Jason New	Logger: Eddie Packer
Designated X (Easting): Reshoot!	Designated Y (Northing):
Drill Rig: MoL / WB57	Z (Elevation):
Total depth: 15.0	Initial Water Encounter (Depth, date/time): 4.5 ft. 12.7.13/905
Water Depth (15 min.): 4.3 ft	

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	SP	0-2	12	ST	1B	-	-	Silty SAND (Fine), Light Grayish Brown, Moist, V. Loose.
2	M	2-4 3.5-5.0	14	SS 2-1-1	1B	-	-	S.A.A. Becoming clayey @ 4" V. Clayey SAND (F.C.) Wet, Dark Gray V. Loose, Carbonaceous
5	SC	4-6						
6	SM	6-8						
8-10		8-10 8.5-10	15	SS 4-9-9	1B	-	-	Silty SAND (F.C.) Light Gray, Wet, Med. Dense,
13.5	SM	13.5+	16	SS 1-1-2	1B	-	-	Silty SAND (F.C.) Wet Light Gr. V. Loose.
15	CH	15				1.25	-	CLAY, Dark Gray CLAY, Moist, High Plast.

850
2'
5'
6'
10'
15'
20'
End @ 15'

2'
4 1/2"
6'
14 1/2"
15'

Weather: Windy, Overcast -35°F
 Comments: S.A.A. = Same as before (F.C.) = fine to coarse grained V. = Very (Fing) = fine grained Brown = Brown

USCS Log Legend:

GW	GP	GM	GC	SW	SP	SM	SC	ML	CL	OL	MH	CH	OH	PT
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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-B26
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CLIENT USACE-Galveston District **PROJECT NAME** Alexander Island
PROJECT NUMBER W912HY-13-D-0001-DY06 **PROJECT LOCATION** Alexander Island, Baytown, TX
DATE STARTED 12/7/2013 8:50:00 AM **COMPLETED** 12/7/2013 10:00:00 AM **GROUND ELEVATION** 23.8206 ft **HOLE SIZE** 8.25 inches
DRILLING CONTRACTOR QRI **NORTHING** 13832587 ft **EASTING** 3226192 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 4.50 ft / Elev 19.32 ft
WEATHER cloudy, mid 30s, windy **▽ 24 HOURS AFTER DRILLING** 4.30 ft / Elev 19.52 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				
	CL-ML	Silty CLAY; light grayish brown, moist, very loose	0	ST	12		-			22				72			
	CH	CLAY; dark gray, wet, very loose, carbonaceous	5	SS	14	2-1-1 (2)	-			43				70			
	SC	Clayey SAND; fine to coarse grained, light brownish gray, wet, medium dense		NR	0												
			10	SS	15	4-9-9 (18)	-			24			46				
				NR	0												
	CH	light gray, very loose CLAY; dark gray, moist, high plasticity	15	SS	16	1-1-2 (3)	1.25			20							

Bottom of borehole at 15.0 feet.

