



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

BORING NUMBER 13-B170

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CLIENT USACE-Galveston District **PROJECT NAME** Sabine Neches Placement Area 8
PROJECT NUMBER W912HY-13-D-0001-DY05 **PROJECT LOCATION** Port Arthur, TX
DATE STARTED 1/13/2014 12:45:00 PM **COMPLETED** 1/13/2014 4:30:00 PM **GROUND ELEVATION** 16.3755 ft **HOLE SIZE** 8.25 inches
DRILLING CONTRACTOR QRI **NORTHING** 13874026.24 ft **EASTING** 3573467.576 ft
DRILLING METHOD Hollow Stem Auger **DRILLING RIG MAKE/MODEL** Mobile B57 on Gemco Articulated Platform
LOGGED BY Pete Herold **TOTAL DEPTH** 40 ft **GROUND WATER LEVEL** ☒ **AT TIME OF DRILLING** 15.50 ft / Elev 0.88 ft
WEATHER cloudy to clear, light breeze to windy, foggy to clear, 60s **15 MINUTES AFTER DRILLING** 13.50 ft / Elev 2.88 ft

COPY OF PEGGY LAKE GEOTECH BH - PEGGY LAKE TEMPLATE.GDT - 7/15/14 13:11 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\SABINE NECHES PA 8 FINAL EDITED.GPJ

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)
			0								LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX				
	CH	Fat CLAY, light brown and greenish gray mottled, soft, with a trace of shell fragments 0'-16'		ST	16		2.1			33							
				ST	18		2.5		87	41							
			5	ST	12		2.0		80	43				99	0.38	6	
				ST	12		2.5			44							
		more sand, dark gray		ST	9		1.4			38							
			10														
	SM	SAND with SILT, dark gray, very loose		ST	16		0	1.2	107	21	NP	NP	NP	29	0.44	3	9
		less sand, with a trace of organics 12'-16'		ST	9		0	1.6									
	CH	Fat CLAY, dark gray, firm, with cracks 14'-30'	15	ST	15		1.1			73							
				ST	20		0.9										
				ST	20		1.0		45	103							
			20	ST	20		1.0										
		soft		ST	20		0.9		56	76	116	30	86	100	0.37	4	
		sand, with shell fragments 24'-28' and cracks 24'-30'	25	ST	19		0.8										
		firm		ST	15		1.0										
		sand seams 28'-40'		ST	14		1.4										
		more sand	30	ST	10		1.2			57							
		less sand, greenish gray and light brown mottled, stiff		ST	19		1.6										
			35														

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	CH	Fat CLAY, dark gray, firm, with cracks 14'-30' (continued)	35	ST	19		2.0										
				ST	16		2.75			22							
			40	ST	20		2.5										

Bottom of borehole at 40.0 feet.