



Quaternary Resource Investigations, LLC
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BORING NUMBER 13-B192

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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 1/14/2014 2:30:00 PM **COMPLETED** 1/20/2014 3:00:00 PM **GROUND ELEVATION** 7.1795 ft **HOLE SIZE** 8.25 inches
DRILLING CONTRACTOR QRI **NORTHING** 13870938.33 ft **EASTING** 3574142.319 ft
DRILLING METHOD Hollow Stem Auger **DRILLING RIG MAKE/MODEL** Mobile B57 on Gemco Articulated Platform
LOGGED BY Pete Herold **TOTAL DEPTH** 50 ft **GROUND WATER LEVEL** ∇ AT TIME OF DRILLING 10.00 ft / Elev -2.82 ft
WEATHER clear, windy, 60s **∇ 15 MINUTES AFTER DRILLING** 4.90 ft / Elev 2.28 ft

COPY OF PEGGY LAKE GEOTECH BH - PEGGY LAKE TEMPLATE.GDT - 7/15/14 13:12 - 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 (%)	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	MINUS #200 SIEVE CONTENT (%)	COMPRESSIVE STRENGTH (tsf)	FAILURE STRAIN (%)	CONFINING PRESSURE (psi)
	CH	Fat CLAY, dark gray and light brown, very soft, with sand seams and cracks 0'-8'	0	ST	18		1.5			51							
				ST	14		1.5		76	45	68	25	43	87	0.19	5	
		∇ greenish gray and light brown mottled, very stiff	5	ST	15		3.5										
		stiff		ST	12		2.5			23							
		very soft		ST	10		1.5										
		∇	10	ST	16		2.25		93	30	63	20	43	98	0.28	14	7
		stiff		ST	15		2.4										
			15	ST	16		2.2			30							
		greenish gray and dark gray mottled		ST	16		1.8										
				ST	16		2.25										
		greenish gray and light brown mottled, with sand seams and cracks 20'-24'	20	ST	18		1.8		102	25				98			
				ST	17		2.6										
		very stiff	25	ST	17		3.4			21							
		stiff		ST	17		2.2										
				ST	17		2.2										
		CLAY with SILT and SAND, greenish gray and light brown mottled, stiff	30	ST	19		2.7		104	24				89	1.47	6	
				ST	17		2.4										
		with sand seams and cracks 32'-34'		ST	18		2.2			27							
		very stiff	35														

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	CL	CLAY with SILT and SAND, greenish gray and light brown mottled, stiff (continued) stiff	35	ST	18		3.3										
				ST	19		2.9			29							
				ST	18		3.25										
	CH	Fat CLAY, light brown and greenish gray mottled, stiff	40	ST	19		2.75										
				ST	19		2.3			32							
				ST	18		2.75		87	36				99			
			45	ST	20		2.75										
		dark gray		ST	16		2.1										
			50														

Bottom of borehole at 50.0 feet.