



Quaternary Resource Investigations, LLC
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BORING NUMBER 13-B193

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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 1/26/2014 3:40:00 PM **COMPLETED** 1/27/2014 11:00:00 AM **GROUND ELEVATION** 11.9239 ft **HOLE SIZE** 8.25 inches
DRILLING CONTRACTOR QRI **NORTHING** 13868077.54 ft **EASTING** 3572002.722 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 17.70 ft / Elev -5.78 ft
WEATHER cloudy to partly cloudy, windy to light wind, 50s **▽ 15 MINUTES AFTER DRILLING** 16.30 ft / Elev -4.38 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 (%)	ATTERBERG LIMITS				MINUS #200 SIEVE CONTENT (%)	COMPRESSION STRENGTH (tsf)	FAILURE STRAIN (%)	CONFINING PRESSURE (psi)
			0															
	CL	CLAY with SAND, light brown, very stiff, with roots 0'-2' and cracks 2'-8'		ST	9		3.0			26								
		stiff		ST	10		2.4		88	33								
		with a sand seam 4'-8'	5	ST	7		1.6			18	28	18	10	54				
		firm		ST	5		0.8											
		dark gray, soft, with shell fragments 8'-12'	10	ST	19		2.8		81	40					0.38	3		
				ST	19		1.75		75	45								
	CH	Fat CLAY, dark gray, firm, with sand seams and cracks 12'-16'		ST	20		1.0		69	53					90	0.52	5	11
		more sand	15	ST	20		1.2			32								
		very soft		ST	20		1.3											
			20	ST	10		1.1		73	43					0.09	15		
	SC-SM	Clayey SAND, fine grained, with silt, dark gray, loose, with clay seams and shell fragments 20'-24'		ST	19		0.75				23	19	4	25				
		dark gray, with sand seams 22'-24'		SS	20	1-1	1.2			58								
			25	ST	9		1.0											
	SM	SAND with SILT, dark gray, loose		ST	19		1.2		95	29					23			
		less sand, with cracks 28'-32'	30	ST	20		1.25											
				ST	20		1.1			28								
				ST	20		1.0											
	CH		35															

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			35														
	CH	Fat CLAY, dark gray, firm, organic odor 34'-46' (continued)		ST	17		1.2		65	62	96	28	68	98	0.65	6	
				ST	15		1.0										
				ST	20		1.25										
		more sand, with sand seams 40'-42'	40	ST	18		1.25										
				ST	19		1.3			69							
		less sand		ST	19		0.8										
				ST	20		0.8										
				ST	20		0.8										

Bottom of borehole at 50.0 feet.