



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

BORING NUMBER 13-B180

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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 11/7/2013 7:38:00 AM **COMPLETED** 11/7/2013 11:00:00 AM **GROUND ELEVATION** 12.072 ft **HOLE SIZE** 8.25 inches
DRILLING CONTRACTOR QRI **NORTHING** 13886293.06 ft **EASTING** 3569230.277 ft
DRILLING METHOD Hollow Stem Auger **DRILLING RIG MAKE/MODEL** Geoprobe 6620
LOGGED BY Pete Herold **TOTAL DEPTH** 16 ft **GROUND WATER LEVEL** ∇ AT TIME OF DRILLING 4.80 ft / Elev 7.27 ft
WEATHER cloudy, upper 40s, windy, clearing **∇ 15 MINUTES AFTER DRILLING** 3.70 ft / Elev 8.37 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)
	CH	Fat CLAY, light brown, very soft, with roots 0'-2'	0	ST	12		0	2.2		59								
		with trace iron staining		ST	20		0.2	0.5	82	43								
		firm, with shell fragments 4'-6' and a trace of sand in seams 4'-8', cracks 4'-6'	5	ST	16		0.4	2.2	80	43	80	25	55		0.68	5		
		greenish gray and light brown mottled, very soft		ST	18		0	3.2										
	SP-SM	SAND with SILT, greenish gray, very loose	10	ST	18		0	0		19					8			
				SS	22		0	0										
	SC	Clayey SAND, fine grained, greenish gray, with clay layers, very loose		SS	18		0	0										
	CL	Lean CLAY with SAND, greenish gray, very soft, with sand seams, organic odor 14'-16' and cracks 14'-16'	15	ST	22		0	0.75		32	30	19	11	84				

Bottom of borehole at 16.0 feet.