

LOG OF BORING and TEST RESULTS

BORING 87-138
U.S. MARITIME ADMINISTRATION
RESERVE FLEET HARBOR
BEAUMONT, TEXAS

DEPTH, FT	SYMBOL	COPIES	SURFACE EL -22.0	BLOWS PER FT	UNDRAINED SHEAR STRENGTH TONS PER SQ. FT.	UNIT DRY WT PCF	WATER CONTENT% LL	PI (-200)
					0.5 1.0 1.5		40 80 120 160	
10			VERY SOFT BLACK AND DARK GRAY CLAY (CH) WITH ORGANIC MATERIAL (4')	19			+	5
			MEDIUM DENSE GRAY MEDIUM TO FINE SAND (SP-SM) WITH WOOD FRAGMENTS AT 4.5' (15.5')					(8)
20			SOFT TO FIRM GRAY CLAY (CH) WITH OCCASIONAL SAND POCKETS TO 18'			51	+	91
			-NUMEROUS SAND SEAMS AND POCKETS AT 22' (24')			55	+	82
30			DENSE TO VERY DENSE GRAY MEDIUM TO FINE SAND (SP-SM) WITH TRACE SILT	26		58	+	(6)
			-WITH OCCASIONAL CLAY POCKETS BELOW 36.5' (51')	18				(7)
40				50				(9)
				50/6'				
50				50				(6)
60			VERY STIFF DARK GRAY CLAY (CH) WITH WOOD FRAGMENTS TO 61' -BECOMES GRAY BELOW 53' AND SLIGHTLY SANDY BELOW 65' (67')			36	+	120
						68	+	73
70			DENSE TO VERY DENSE GRAY SILTY FINE SAND (SM) (78.5')	50		99	+	48
				50/8'				(17)
80								(10)
90								

Date Started: 08/12/87 Date Completed: 08/12/87
Weather: HOT
Water Depth: 23' AT 1000 HRS ON 08/12/87
Completion Depth: 78.5' BELOW MUDLINE
Driller: WILLIAMS Technician: HALLIGAN
Drill Rig: FAILING 750 TRUCK-MOUNTED
Sampling: 3" THIN-WALLED TUBE AND 2" SPLIT-BARREL SAMPLER
Casing Required: 45' FROM BARGE DECK

LEGEND AND NOTES

- ⊗ POCKET PENETROMETER ▲ TORVANE
- UNCONFINED COMPRESSION
- ◆ MINIATURE VANE (◆ RESIDUAL VALUE)
- ⊙ UNCONSOLIDATED-UNDRAINED TRIAXIAL
- Open Symbols Designate Remolded Tests
- LL - LIQUID LIMIT PL - PLASTIC LIMIT
- PI - PLASTICITY INDEX
- 200 - % PASSING #200 SIEVE

L-01113887

BEAUMONT, TEXAS

BORING NUMBER	SAMPLE NUMBER	SAMPLE INTERVAL (FEET)	VISUAL CLASSIFICATION	MC (%)	UDW (PCF)	LL PL PI	GRADATION, PERCENT PASSING SIEVE NO. 4 10 40 100 200	SU (KSF)
87-138	1J	0-2	VERY SOFT BLACK ORGANIC CLAY					
87-138	2J	2-4	VERY SOFT BLACK ORGANIC CLAY (CH)	215		150 35 114		
87-138	3J	4-6	DARK GRAY MEDIUM TO FINE SAND (SP-SC), SLIGHTLY CLAYEY WITH ABUNDANT ORGANIC MATERIAL				100 100 68 17 8	
87-138	4J	6-8	BROWNISH GRAY FINE SAND					
87-138	5J	11.5-13	LIGHT BROWNISH GRAY MEDIUM TO FINE SAND (SP)				100 100 68 3 1	
87-138	7Q	16-18	FIRM GRAY CLAY (CH)	88	51	114 23 90		0.41
87-138	9Q	18-20	FIRM DARK BROWNISH GRAY CLAY WITH OCCASIONAL SAND POCKETS AND ORGANIC MATERIAL	79				
87-138	11Q	20-22	FIRM GRAY CLAY (CH) WITH ORGANIC MATERIAL AND OCCASIONAL SAND POCKETS	76	55	106 24 83		0.40
87-138	13Q	22-24	SOFT GRAY SILTY CLAY WITH NUMEROUS SAND POCKETS AND OCCASIONAL ORGANIC MATERIAL	44	68			0.12
87-138	14J	24-26	LIGHT BROWNISH GRAY MEDIUM TO FINE SAND (SP-SM), SLIGHTLY SILTY				100 100 81 12 7	
87-138	15J	26.5-28	LIGHT BROWNISH GRAY MEDIUM TO FINE SAND (SP-SM), SLIGHTLY SILTY				100 100 83 12 7	
87-138	16J	31.5-33	BROWNISH GRAY FINE SAND					
87-138	17J	36.5-38	LIGHT BROWNISH GRAY FINE SAND (SP-SM), SLIGHTLY SILTY				100 100 99 36 9	
87-138	18J	41.5-43	LIGHT BROWNISH GRAY FINE SAND					
87-138	19J	46.5-48	LIGHT BROWNISH GRAY FINE SAND (SP-SC), WITH OCCASIONAL CLAY POCKETS				100 100 94 20 8	
87-138	20Q	51-53	STIFF DARK BROWN CLAY (CH) WITH NUMEROUS ORGANIC MATERIAL	136	36	179 59 120		1.32
87-138	22Q	53-55	STIFF DARK BROWNISH GRAY CLAY WITH ORGANIC MATERIAL	84				
87-138	24Q	55-57	STIFF DARK BROWNISH GRAY SANDY CLAY WITH SILTY SAND POCKETS AND ORGANIC MATERIAL	42				
87-138	26Q	57-59	STIFF GRAY CLAY (CH) WITH ORGANIC MATERIAL	57	68	107 34 73		0.75
87-138	28Q	59-61	VERY STIFF LIGHT GREENISH GRAY CLAY WITH OCCASIONAL SILTY SAND POCKETS AND OCCASIONAL ORGANIC MATERIAL	42				
87-138	30Q	61-63	VERY STIFF LIGHT GREENISH GRAY CLAY WITH OCCASIONAL SILTY SAND POCKETS AND OCCASIONAL ORGANIC MATERIAL	36				

SUMMARY OF TEST RESULTS
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RESERVE FLEET HARBOR
BEAUMONT, TEXAS

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									4 10 40 100 200	
87-138	32Q	63-65	VERY STIFF LIGHT GRAY CLAY (CH), SLIGHTLY SANDY	26	99	67	19	48		2.30
87-138	34Q	65-67	VERY STIFF LIGHT GREENISH GRAY CLAY WITH OCCASIONAL SAND POCKETS AND OCCASIONAL ORGANIC MATERIAL	32						
87-138	36J	67-69	LIGHT BROWNISH GRAY SILTY FINE SAND (SM) WITH OCCASIONAL CLAY POCKETS						100 100 100 94 17	
87-138	37J	72.5-74	LIGHT BROWNISH GRAY SILTY FINE SAND							
87-138	38J	77.5-78	LIGHT BROWNISH GRAY FINE SAND (SP-SM), SLIGHTLY SILTY						100 100 100 50 10	