

LOG OF BORING

Sabine Neches Waterway
 PROJECT: Dredging Range Towers
 FOR: Corps of Engineers, Galveston

BORING NO: 38T-13
 LOCATION: 3,648,545.64-680,978.23

DATE: 10/30/65 JOB NO: 65-93 BORING TYPE: 3" Diam. Intermittent
 DRILLER: C. Dean SOIL ENGINEER: K. Bain GROUND ELEV.:

Depth in Feet	Sample Type & Sample No.	Penetrometer Reading, tsf	Blows / Foot	LEGEND			
				S-Shelby Tube	D-Denison Barrel	P-Penetration Test	J-Jar
				■ -Core	☒ -Penetration Sample	☑ -No Recovery	
				▽ -Static Water Table	▼ -Hydrostatic Water Table		
				DESCRIPTION OF STRATUM			
				Water			
5				(Numbers in parentheses opposite sample numbers are the cohesion in tsf obtained by hand vane shear tests.)			
10							
15							
20							
25							
30							
				Mud line			
				31.3'			
	1	0.0		Very soft gray silty sandy clay			
35							
	2	0.0					
40							
	3	0.0		(0.038)			
45							

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DESCRIPTION OF STRATUM							
4		0.0		(0.048)			
50							
55	5J						
6		0.0		(0.106) -with shell			
60							
7		0.1		(0.112)			
65							
8		0.5		Organic material (0.222)			
70							
9J			3	Loose silty fine sand 8-2-1			
75							
80	10J		65	8-15-50 -becomes very dense gray sand (medium)			
85							
90							

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DESCRIPTION OF STRATUM							
	11J		56	5-17-39			
-95-							
-100-	12J	50/6"		-becomes very dense clean coarse sand			
-105-							
-110-	13J	22		Very stiff light green clay with silty sand seams 8-8-14			
-115-							
-120-	14	4.5+					
-125-	15	3.5		-becomes very stiff green clay with silt seams			
-130-	16	2.5					
-135-	17	4.5+		-becomes very hard sandy clay			
				Bottom @ 132.5'			

PROJECT	SABINE NECHAS WW, TEX 40' CH Hopper Dredge Range Tower
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*TONS/SQ.FT. UNCONFINED COMPRESSIVE STRENGTH

SWG Form 267(C)
28 Jan 1965

PROJECT: Sabine Neches W.W. Tex. 40' Ch.

LOCATION: Hopper Dredge Range Tower

TEST DATA SUMMARY

BORING NO. 357-13

DATE DRILLED 30 Oct. 1965

Right

FIELD NO.	DEPTH	CLASSIFICATION ELEVATION TOP BORING _____	SYMBOL	CONSISTENCY	POCKET (1) PENETROMETER	STAN. PENET. BLOWS/FT (2)	MOISTURE CONTENT %	DRY DENSITY p. c. f.	L.L.	P.L.	BAR L.S.	SIEVE ANALYSIS								
												PERCENT			INIT. WT.	ACC. WT. RTND. SIEVE NO. (3)				
												GRVL	SAND	FINES		NO. 4	NO. 10	NO. 40	NO. 200	
	0-3 1/2	Water																		
C-1	3 1/2-35 1/2	Dark Gray clay 31 1/2 - 38 1/2, sandy 31 1/2 - 35 1/2	CL	VS	0.00		56.5	70	37		13.0	0	22	78	50	0	0	0	11	
	35 1/2-36 1/2	Washed, same as above																		
C-2	36 1/2-38 1/2			VS	0.00		60.7	68	42		14.0	0	14	86	50	0	0	0	7	
	38 1/2-41 1/2	Washed, same as above																		
C-3	41 1/2-43 1/2	Gray clay 41 1/2 - 55	CH	S	0.25		64.7	63	52		19.0	0	4	96	50	0	0	1	2	
	43 1/2-46 1/2	Washed, same as above																		
C-4	46 1/2-48 1/2			VS	0.00		112.7	42	64			0	6	94	50	0	0	0	3	
	48 1/2-53 1/2	Washed, same as above																		
J-5	53 1/2-55 1/2						100		70			0	2	98	50	0	0	0	1	
	55 1/2-56 1/2	Washed, same as above																		
C-6	56 1/2-58 1/2	Gray clay 56 1/2 - 58 1/2	CL	VS	0.00		69.4	60	50		16.0	0	8	92	50	0	0	1	4	
	58 1/2-61 1/2	Washed, same as above																		
C-7	61 1/2-63 1/2	Gray clay 61 1/2 - 63 1/2	CH	S	0.25		73.9	53	63		19.0	0	2	98	50	0	0	0	1	
	63 1/2-66 1/2	Washed, change to org. clay (OH) estimated at 65'																		
C-8	66 1/2-68 1/2	Dark, Gray, Organic clay 66 1/2 - 68 1/2	OH	S	0.25		282.9	87												
	68 1/2-70 1/2	Washed, same as above																		
J-9	70 1/2-72 1/2	Gray, silty sand 70 1/2 - 90	SM	VL		3	250				0.0	0	62	38	50	0	0	0	31	
	72-80	Washed, same as above																		
J-10	80-81 1/2			VD		65	193				0.0	0	80	20	50	0	0	3	40	
	81 1/2-90	Washed, same as above																		
J-11	90-91 1/2	Gray silty sand 90 - 101.5	SP	D		56	251				0.0	0	92	8	50	0	0	4	46	
	91 1/2-100	Washed, same as above																		
J-12	100-101 1/2			VD		100	151				0.0	0	92	8	50	0	1	35	46	
	101 1/2-110	Washed, change to sandy clay (CL) estimated at 105.75'																		
J-13	110-111 1/2	Gray, sandy clay 110 - 111 1/2	CL	M		22	235		48		16.0	0	24	76	50	0	0	0	12	
	111 1/2-116 1/2	Washed, change to clay (CH) estimated at 114'																		
C-14	116 1/2-118 1/2	Green Gray, tan clay 116 1/2 - 128 1/2	CH	VST	3.00		28.6	95	54		20.0	0	2	98	50	0	0	0	1	
	118 1/2-121 1/2	Washed, same as above																		
C-15	121 1/2-123 1/2			VST	2.25		38.1	85	88		24.0	0	4	96	50	0	0	0	2	

KEY: CONSISTENCY - COHESIVE SOILS
VS S M ST VST H VL L M D VD
Very Soft Soft Medium Stiff Very Stiff Hard Very Loose Loose Medium Dense Very Dense

CONSISTENCY - COHESIONLESS SOILS

(1) Tons/Sq. Ft. Unconfined Compressive Strength
(2) Split Barrel Sampler
(3) Acc. Wt. Retd ÷ Init. Wt. x 100 = % Retd.

BORING NO. 357-13

28 Jan 1965

PROJECT: Sabine Naches W.W. Tex. 40' Ch.

LOCATION: Hopper Dredge Range Tower

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[illegible]

KEY:	CONSISTENCY -- COHESIVE SOILS						CONSISTENCY -- COHESIONLESS SOILS					(1) Tons/Sq.Ft. Unconfined Compressive Strength (2) Split Barrel Sampler (3) Acc. Wt. Rtn'd ÷ Init. Wt. x 100 = % Stud.
	VS	S	M	ST	VS†	H	VL	L	M	D	VD	
	Very Soft	Soft	Medium	Stiff	Very Stiff	Hard	Very Loose	Loose	Medium	Dense	Very Dense	

BORING NO. 3st-13