

U.S. ARMY CORPS OF ENGINEERS
GEOTECHNICAL BORING DATA

PROJECT NAME Victoria Ship Channel

LOG OF BORING NO. 90-36

LOCATION / STATION 100 +00

DATE / TIME STARTED 06/14/90 @ 4:30 pm

DATE / TIME COMPLETED " " 5:15 "

TIDE ELEVATION + 2.00' MLT DATUM

WATER DEPTH 3.00' 1.

DEPTH FROM WATER SURFACE
TO BOTTOM OF BORING 27.00'

WEATHER Clear & Sunny

DRILL RIG MANUFACTURE
MODEL NO. CF-5

DRILLER Dempsey German
LOGGER Ans C Lazanidis

DRILLER'S / LOGGER'S COMMENTS —

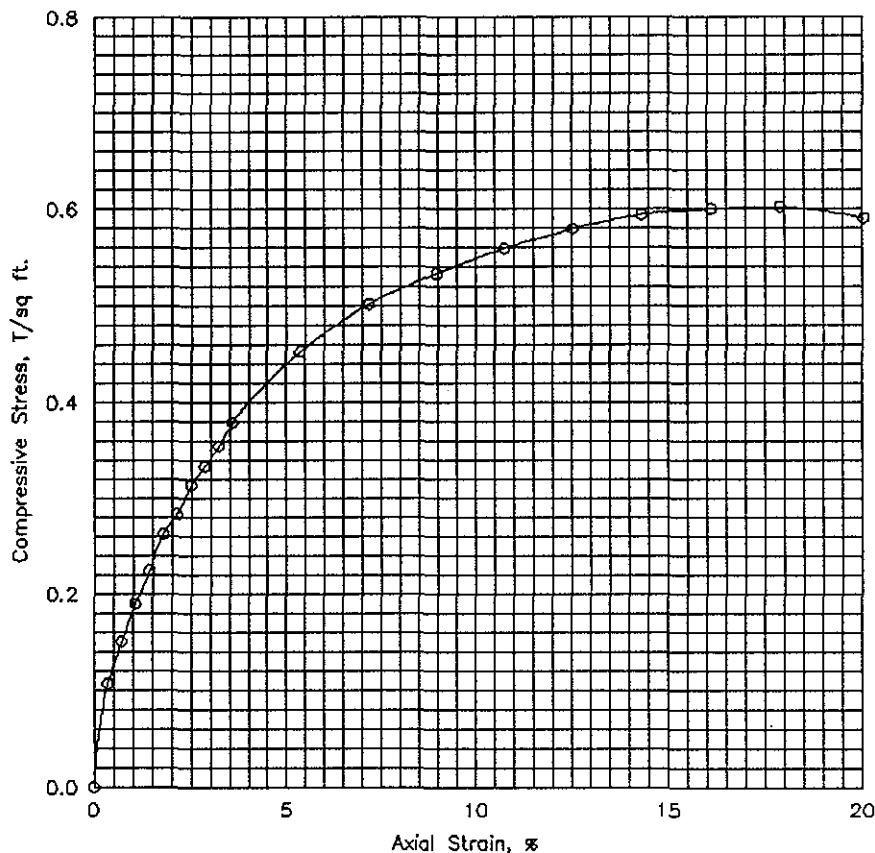
DEPTH, FEET	SAMPLE NO.	SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BORING NO. <u>90-36</u>		DATE: BEGIN <u>06/14/90</u> COMPLETE <u>06/14/90</u>				
					JOB NO. <u>146404</u>		LOGGER <u>Ans</u> PAGE <u>213</u>				
					PROJECT <u>Victoria Ship Channel</u>						
					LOCATION/STATION/ELEVATION: <u>Sta. 100+00/El. +2.00' MLT</u>						
DEPTH: AUGERED _____ WASHED <u>24'</u> CORED _____					GROUNDWATER READINGS						
TIME		DEPTH		TIME		DEPTH		TIME		DEPTH	
FIRST											
CONSIS- TENCY		COLOR		MINOR		MAJOR		MODIFICATION			
0		1	0.75	Firm	Gray	Silty	CLAY	-w/shells			
		2	1.00	Stiff	"	"	"	-w/calcareous nodules			
		3	2.00	"	Gray & Tan	"	"	-w/calcareous nodules; few sample			
5		4	0.50	"	Tan		SAND	-w/little clay & clayey sand brown w/calcareous nodules			
	X	5	6/10/12	H/Dense	Gray & Tan		"				
10		6	6/6/5	"	"		"	-w/calcareous nodules & shells			
	X	7	7/15/14	"	"		"				
20		8	19/12/15	"	Gray		"				
25								Bottom of boring			

SUMMARY OF LABORATORY TEST RESULTS

1.245)

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classification, M c : Moisture Content
q u : Unconfined Compressive Strength, W O H : Weight of hammer, W O P : Weight of pipe

Failure Sketches



☐ Controlled stress
☒ Controlled strain

Test No.	1			
Type of Specimen	Undisturbed			
Initial	Water content	w_0	24.5 %	%
	Void ratio	e_0		
	Saturation	S_0	%	%
	Dry density, lb/cu ft	γ_d	97.4	
Time to failure, min		t_f	16.37	
Unconfined compressive strength, T/sq ft		q_u	.60	
Undrained shear strength, T/sq ft		S_u	.30	
Sensitivity ratio		S_t		
Initial specimen diameter, in.		D_0	2.810	
Initial specimen height, in.		H_0	5.590	

Classification Gray, CLAY, firm, with sand & calcareous nodules

LL	58	PL	21	PI	37	G_s
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Remarks

Project CHANNEL TO VICTORIA, TEXAS

Area Channel to Victoria in San Antonio Bay, Texas

Boring No. 90-36

Sample No. 2

Depth 2-4 ft
EI

Date 7/25/90

UNCONFINED COMPRESSION TEST REPORT