

U.S. ARMY CORPS OF ENGINEERS
GEOTECHNICAL BORING DATA

BKM

PROJECT NAME Victoria Ship Channel

LOG OF BORING NO. 90-52

LOCATION / STATION 340 +00

DATE / TIME STARTED 25 Nov 77 2 4:00 pm

DATE / TIME COMPLETED " " 4:50 "

TIDE ELEVATION + 2.00 MLT DATUM

WATER DEPTH 8.00 - 6

DEPTH FROM WATER SURFACE
TO BOTTOM OF BORING 25.00

WEATHER Clear & Sunny

DRILL RIG MANUFACTURE
MODEL NO. CF-5

DRILLER Dimitris S. Lazaridis
LOGGER Aris Lazaridis

DRILLER'S / LOGGER'S COMMENTS

DEPTH, FEET		SAMPLE NO.	PEN./TORWANE	SPT.-BLOW COUNT	BORING NO. <u>90-52</u>		DATE: BEGIN <u>06/17/90</u>		COMPLETE <u>06/17/90</u>		
					JOB NO. <u>146404</u>		LOGGER <u>Aris</u>		PAGE <u>2</u> / <u>3</u>		
					PROJECT <u>Victoria Ship Channel</u>						
					LOCATION/STATION/ELEVATION: <u>Sta. 340+00 / E.L. + 2.00' M.L.T</u>						
DEPTH: AUGERED _____		WASHED <u>19'</u>		CORED _____							
GROUNDWATER READINGS											
TIME		DEPTH		TIME		DEPTH		TIME		DEPTH	
FIRST											
CONSIS- TENCY		COLOR		MINOR		MAJOR		MODIFICATION			
0		1 0.25		V/Soft		mud		CLAY		—	
		2 0.25						"		- w/shells	
5		3 0.25		"				"		"	
		4 0.25		"				"		"	
		5 0.25		"				"		"	
10		6 0.25		"				"		"	
		7 0.25		"				"		- w/shells; 10" sample	
15		8 0.25		"				"		- Disturbed sample, w/shells	
		9 0.25		"				"		- Disturbed sample	
20										Bottom of Boring	
25											

CONTINUED: ☐ YES ☒ NO

Project : CHANNEL TO VICTORIA
VICTORIA, TEXAS

SUMMARY OF LABORATORY TEST RESULTS

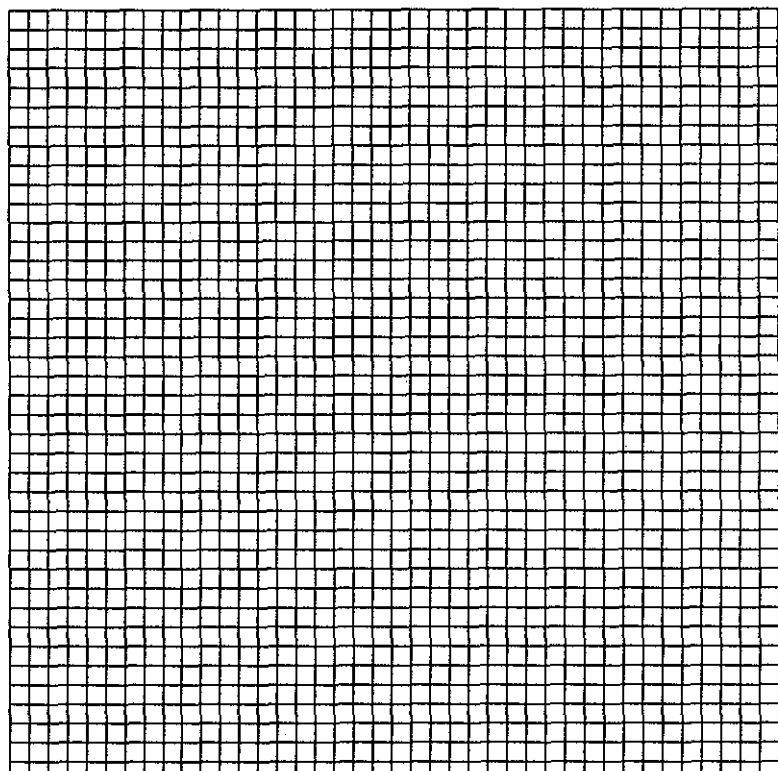
Boring No. 90-52

S #	Depth (ft)	P P (tsf)	SPT Blows per Foot	Visual Classification	U S C	M c (%)	Dry Unit Wt (pcf)	Wet Unit Wt (pcf)	LL (%)	P L (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0 - 2	0.00		Gray, CLAY, very soft, with shell fragments	CH	75.2											
2	2 - 4	0.00		Gray, CLAY, very soft, with shell fragments	CH	41.1	69.7	98.3	70	26							
3	4 - 6	0.00		Gray, CLAY, very soft, with shell fragments	CH	42.9											
4	6 - 8	0.00		Gray, CLAY, very soft, with shell fragments	CH	43.9											
5	8 - 10	0.00		Gray, CALY, very soft, with sand and shell fragments	CH	43.4	71.2	102.2	57	20	88.0	84.3	81.3	79.1	72.9	0.06	0.00
6	10 - 12	0.00		Gray, CLAY, very soft, with shell fragments	CH	59.3											
7	12 - 14	0.00		Gray, CLAY, very soft, with shell fragments	CH	42.0											
8	14 - 16	0.00		Gray, CLAY, very soft, with shell fragments	CH	69.9											
9	17 - 19	0.00		Gray, CLAY, very soft, with shell fragments	CH	64.5											

SP 6
2.02

SP 6
2.2

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		Compressive Stress, T/sq ft.		Axial Strain, %	
		0.08			
		0.06			
		0.04			
		0.02			
		0.00	0 5 10 15 20		
☐ Controlled stress ☒ Controlled strain					
Test No.		1			
Type of Specimen		Undisturbed			
Initial	Water content	w_0	43.4 %	%	%
	Void ratio	e_0			
	Saturation	S_0	%	%	%
	Dry density, lb/cu ft	γ_d	71.2		
Time to failure, min		t_f	.00		
Unconfined compressive strength, T/sq ft		q_u	.00		
Undrained shear strength, T/sq ft		S_u	.00		
Sensitivity ratio		S_t			
Initial specimen diameter, in.		D_0	2.810		
Initial specimen height, in.		H_0	5.590		
Classification Gray, CLAY, very soft, with shell fragments					
LL	57	PL	20	PI	37
		G.			
Remarks		Project CHANNEL TO VICTORIA, TEXAS			
		Area Channel to Victoria in San Antonio Bay, Texas			
		Boring No. 90-52		Sample No. 5	
		Depth 8-10 ft		Date 7/31/90	
		UNCONFINED COMPRESSION TEST REPORT			