

U.S. ARMY CORPS OF ENGINEERS
GEOTECHNICAL BORING DATA

BK4
?

PROJECT NAME Victoria Ship Channel

LOG OF BORING NO. 90-30

LOCATION / STATION 10+00 Right

DATE / TIME STARTED 06/15/90 @ 6:30 pm

DATE / TIME COMPLETED 11 7:30

TIDE ELEVATION + 2.3' MLT DATUM

WATER DEPTH 5.3' 2.3 - 5.3 3.0

DEPTH FROM WATER SURFACE
TO BOTTOM OF BORING 27.3' -3.0

WEATHER Clear & Sunny

DRILL RIG MANUFACTURE
MODEL NO. CF-5

DRILLER Dempsey Gearon
LOGGER Aris Lazanidis

DRILLER'S / LOGGER'S COMMENTS —

DEPTH, FEET		SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>90-30</u>		DATE: BEGIN <u>06/15/90</u>		COMPLETE <u>06/15/90</u>		
					JOB NO. <u>14G-404</u>		LOGGER <u>Aris</u>		PAGE <u>213</u>		
					PROJECT <u>Victoria Ship Channel</u>						
					LOCATION/STATION/ELEVATION: <u>Sta. 10+00 / El. +2.3' M.L.T.</u>						
					DEPTH: AUGERED		WASHED <u>22'</u>		CORED		
					GROUNDWATER READINGS						
TIME		DEPTH	TIME		DEPTH	TIME		DEPTH			
FIRST											
CONSISTENCY		COLOR	MINOR	MAJOR	MODIFICATION						
0	1	0.0	1/2 soft	Gray	Silty	CLAY	-w/shells; disturbed sample				
	2	0.0	"	"	"	"	"				
5	3	1.50	Stiff	Gray		CLAY	-w/shells				
	4	1.00	"	Gray & Tan		"	"				
	5	1.25	"	"		"	-w/shells; 6.5" sample				
10	6	1.0	"	"		"	-w/shells & shell layer				
	7	—	—	—		—	-shell layer; 7" sample				
15	8	3.25	1/2 stiff	Gray & Tan		CLAY	-w/shells; 11" sample				
	9	1.75	stiff	"		"	-w/calcareous nodules & shells				
	10	2.00	"	"		"	"				
20	11	2.50	1/2 stiff	"		"	-w/calcareous nodules & shells; 11" sample				
25							Bottom of Boring				

CONTINUED: ☐ YES ☒ NO

Project : VICTORIA SHIP CHANNEL, TEXAS**SUMMARY OF LABORATORY TEST RESULTS**Boring No. 90-30

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			Dark gray, SANDY CLAY, very soft, with shell fragments	CL	46.4											
2	2 - (4)			Dark gray, SANDY CLAY, very soft, with shell fragments	CL	44.1			49	25	94.8	87.0	80.2	77.4	61.2		
3	4 - 6	1.50		Gray & green (olive), CLAY, stiff, with calcareous nodules, and shell fragments, slickensided	CH	35.2											
4	6 - 8	1.00		Gray & green (olive), CLAY, stiff, with calcareous nodules and shell fragments, slickensided	CH	29.0											
5	8 - 10	1.25		Gray & green (olive), CLAY, stiff, with calcareous nodules and shell fragments, slickensided	CH	28.2	97.6	125.2	73		97.0	93.9	92.7	92.4	90.1		
6	10 - 12	1.00		Gray & green (olive), CLAY, stiff, with calcareous nodules and shell layers.	CH	28.4											
7	12 - 14			Gray and green(olive), CLAY, stiff, with shell layer	CH	22.3											
8	14 - 16	3.25		Gray and green (olive), CLAY, very stiff, with calcareous nodules and shell fragments	CH	29.7	95.0	123.2	66								
9	16 - 18	1.75		Gray and yellowish, CLAY, stiff, with calcareous nodules and shell fragments	CH	30.9											
10	18 - 20	2.00		Gray and yellowish, CLAY, very stiff, slickensided	CH	28.6											
11	20 - 22	2.50		Gray and yellowish, CLAY, very stiff, with calcareous nodules & shell fragments, slickensided	CH	31.0											

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