

U.S. ARMY CORPS OF ENGINEERS
GEOTECHNICAL BORING DATA

BKM

PROJECT NAME Victoria Ship Channel

LOG OF BORING NO. 90-55

LOCATION / STATION 385 + 00

DATE / TIME STARTED 06/18/90 @ 11:15 am

DATE / TIME COMPLETED " " 11:55 "

TIDE ELEVATION + 2.50' MLT DATUM

WATER DEPTH 4.50' - 2

DEPTH FROM WATER SURFACE
TO BOTTOM OF BORING 27.50'

WEATHER Warm & Cloudy

DRILL RIG MANUFACTURE
MODEL NO. CF-5

DRILLER Demetrius Jackson
LOGGER Iraj Mostafaei

DRILLER'S / LOGGER'S COMMENTS —

DEPTH, FEET SAMPLE SAMPLE NO. PEN./TORVANE SPT.-BLOW COUNT		BORING NO. <u>90-55</u>		DATE: BEGIN <u>06/18/90</u>		COMPLETE <u>06/18/90</u>	
		JOB NO. <u>146404</u>		LOGGER <u>Jraj</u>		PAGE <u>2/3</u>	
		PROJECT <u>Victoria Ship Channel</u>					
		LOCATION/STATION/ELEVATION: <u>Sta. 385+00 / El. +2.50' MLT</u>					
		DEPTH: AUGERED _____		WASHED <u>23'</u>		CORED _____	
		GROUNDWATER READINGS					
		TIME	DEPTH	TIME	DEPTH	TIME	DEPTH
		FIRST					
		CONSIS- TENCY	COLOR	MINOR	MAJOR	MODIFICATION	
0	X	1 WOP	V/soft	Gray		CLAY	- w/shells; Jar sample
		2 0.25	V/soft	"		"	"
5		3 0.25	"	"		"	"
		4 0.25	"	"		"	- w/shells; 7" disturbed sample
		5 0.25	"	"		"	- w/shells; Jar sample
10		6 0.25	"	"		"	"
		7 0.15	"	"		"	"
15		—	—	—	—	—	- No Recovery
		8 0.75	V/soft	Gray	Clay	SHELL	- Jar sample
		9 0.15	"	"		CLAY	- w/shells; Jar sample
20		—	—	—	—	—	- No Recovery
		10 0.25	V/soft	Gray		CLAY	- w/shells
25		Bottom of Boring					

 CONTINUED: ☐ YES ☒ NO

Project : CHANNEL TO VICTORIA
VICTORIA, TEXAS

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 90-55

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 - 1.5		WOP	Gray, SANDY CLAY, very soft, with shell fragments	CL	64.1											
2	2 - 4	0.25		Gray, SANDY CLAY, very soft, with shell fragments	CL	57.1			30	16	88.5	83.5	75.7	69.8	56.0		
3	4 - 6	0.25		Gay, SANDY CLAY, very soft, with shell fragments	CL	57.8											
4	6 - 8	0.25		Gray, SANDY CLAY, very soft, with shell fragments	CL	40.8											
5	8 - 10	0.25		Gray, CLAYEY SAND, with shell fragments	SC	41.3			43	17	83.4	68.4	46.2	41.0	38.5		
6	10 - 12	0.25		Gray, SANDY CLAY, very soft, with shell fragments	CL	58.0											
7	12 - 14	0.25		Gray, SANDY CLAY, very soft, with shell fragments	CL	54.2											
	14 - 16			No recovery													
8	16 - 18	0.25		Gray, CLAY-SHELL, verysoft	CL	27.5											
9	18 - 20	0.25		Gray, CLAY, very soft, with shell fragments	CL	42.0											
10	22 - 23	0.25		Gray, CLAY, with shell fragments	CL	44.1											

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