

U.S. ARMY CORPS OF ENGINEERS
GEOTECHNICAL BORING DATA

BKM

PROJECT NAME Victoria Ship Channel

LOG OF BORING NO. 90-54

LOCATION/STATION 370+00

DATE/TIME STARTED 05/18/90 @ 10:25 am

DATE/TIME COMPLETED " " 11:10 "

TIDE ELEVATION + 2.50' MLT DATUM

WATER DEPTH 5.50' -3


DEPTH FROM WATER SURFACE
TO BOTTOM OF BORING 27.50'

WEATHER Warm & Cloudy

DRILL RIG MANUFACTURE
MODEL NO. CF-5

DRILLER Dempsey Brown
LOGGER Ira's Mostward

DRILLER'S/LOGGER'S COMMENTS —

DEPTH, FEET	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>90-54</u>		DATE: BEGIN <u>06/18/90</u>		COMPLETE <u>06/18/90</u>			
			JOB NO. <u>146404</u>		LOGGER <u>Traj</u>		PAGE <u>213</u>			
			PROJECT <u>Victoria Ship Channel</u>		LOCATION/STATION/ELEVATION: <u>Sta. 370+00 / El. +2.50' M.L.T</u>					
			DEPTH: AUGERED _____		WASHED <u>22'</u>		CORED _____			
GROUNDWATER READINGS										
TIME	DEPTH	TIME	DEPTH	TIME	DEPTH					
FIRST										
		CONSIS- TENCY	COLOR	MINOR	MAJOR	MODIFICATION				
0	1	0.25	v/soft	Gray		CLAY	—			
	2	0.25	"	"		"	—			
5	3	0.25	"	"		"	-w/shells; 7" disturbed sample			
	4	0.25	"	"		"	-w/shells; jar sample			
	5	0.25	"	"		"	"			
10	6	0.25	"	"		"	"			
	7	0.25	"	"		"	"			
15	8	0.25	"	"		"	"			
	9	0.25	"	"		"	"			
	10	0.25	"	"		"	-w/shells; disturbed sample			
20	11	0.25	"	"		"	"			
							Bottom of Boring			
25										

CONTINUED: YES NO

Project : CHANNEL TO VICTORIA
VICTORIA, TEXAS

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 90-54

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	70.0											
2	2 - 4	0.00		Gray, CLAY, very soft, with shell fragments	CH	76.6	58.2	102.8	84	28	99.9	99.9	99.6	99.0	97.5		
3	4 - 6	0.00		Gray, CLAY, very soft, with shell fragments	CH	94.8											
4	6 - 8	0.00		Gray, CLAY, very soft, with shell fragments	CH	71.2											
5	8 - 10	0.00		Gray, CLAY, very soft, with lots of shells and shell fragments	CH	47.7			53	23	79.8	69.2	60.0	57.5	51.8		
6	10 - 12	0.00		Gray, CLAY, very soft, with shell fragments	CH	67.9											
7	12 - 14	0.00		Gray, CLAY, very soft, with shell fragments	CH	58.9											
8	14 - 16	0.00		Gray, CLAY, very soft, with shell fragments	CH	68.0											
9	16 - 18	0.00		Gray, CLAY, very soft, with shell fragments	CH	74.2											
10	18 - 20	0.00		Gray, SANDY CLAY, very soft, with shell fragments	CL	41.0											
11	20 - 22	0.00		Gray, SANDY CLAY, very soft, with shell fragments	CL	32.4											

SP = 3.15

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