

U.S. ARMY CORPS OF ENGINEERS
GEOTECHNICAL BORING DATA

BKM

PROJECT NAME Victoria Ship Channel

LOG OF BORING NO. B-90-50

LOCATION/STATION 310+00

DATE/TIME STARTED 03/17/90 @ 5:00 pm

DATE/TIME COMPLETED " " 2:50 "

TIDE ELEVATION +2.00' MLT DATUM

WATER DEPTH 6.75' -4.75'

DEPTH FROM WATER SURFACE
TO BOTTOM OF BORING 27.25'

WEATHER Clear & Sunny

DRILL RIG MANUFACTURE
MODEL NO. CF-5

DRILLER Demetrius
LOGGER Andreas Lazaridis

DRILLER'S/LOGGER'S COMMENTS —

DEPTH, FEET SAMPLE SAMPLE NO. PEN./TORVANE SPT.-BLOW COUNT		BORING NO. <u>90-50</u> DATE: BEGIN <u>06/17/90</u> COMPLETE <u>06/17/90</u> JOB NO. <u>146404</u> LOGGER <u>Ans</u> PAGE <u>2 / 3</u> PROJECT <u>Victoria Ship Channel</u> LOCATION/STATION/ELEVATION: <u>Sta. 310+00 / E.P. +2.00' M.L.T.</u>					
		DEPTH: AUGERED _____ WASHED <u>20.5'</u> CORED _____					
		GROUNDWATER READINGS					
		TIME FIRST	DEPTH	TIME	DEPTH	TIME	DEPTH
CONSIS- TENCY		COLOR	MINOR	MAJOR	MODIFICATION		
0	1	0.25	V/Soft	Grey	Silty	CLAY	—
	2	0.25	"	"	"	"	- w/shells
5	3	0.25	"	"	"	"	"
	4	0.25	"	"	"	"	"
	5	0.25	"	"	"	"	- Disturbed sample; jar
10	6	0.25	"	"	"	"	- w/shells
	7	0.25	"	"	"	"	—
15	8	0.25	"	"	"	"	- Disturbed sample; jar
	9	0.25	"	"	"	"	- w/shells
20	10	0.25	"	"	"	"	- w/shells; 7" sample
							Bottom of Boring
25							

 CONTINUED: ☐ YES ☒ NO

Project : CHANNEL TO VICTORIA
VICTORIA, TEXAS

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 90-50

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 (%)	PL (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0 - 2	0.25		Gray, CLAY, very soft, with silt	CH	64.9											
2	2 - 4	0.25		Gray, CLAY, very soft, with silt and shell fragments	CH	60.1	59.2	94.8	59	21							
3	4 - 6	0.25		Gray, CLAY, very soft, with silt	CH	49.3											
4	6 - 8	0.25		Gray, CLAY, very soft, with silt, sand and shell fragments	CH	59.4	59.0	94.1			100.0	99.6	99.0	95.2	86.3		
5	8 - 10	0.00		Gray, CLAY, very soft, with silt and shell fragments	CH	59.2											
6	10 - 12	0.25		Gray, CLAY, very soft, with silt	CH	54.2	61.8	95.3	64	20	100.0	100.0	100.0	100.0	100.0		
7	12 - 14	0.25		Gray, CLAY, very soft, with silt and shell fragments	CH	68.1											
8	14 - 16	0.00		Gray, CLAY, very soft, with silt	CH	64.7											
9	16 - 18	0.00		Gray, CLAY, very soft, with silt and with shell fragments	CH	64.6											
10	18.5 - 20.5	0.00		Gray, CLAY, very soft, with silt and shell fragments	CH	57.6											

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