

U.S. ARMY CORPS OF ENGINEERS
GEOTECHNICAL BORING DATA

BKM

PROJECT NAME Victoria Ship Channel

LOG OF BORING NO. 90-59

LOCATION / STATION 445 + 00

DATE / TIME STARTED 06/13/00 @ 3:45 pm

DATE / TIME COMPLETED " " 4:35 "

TIDE ELEVATION -2.50 MLT DATUM

WATER DEPTH 3.50 -1

DEPTH FROM WATER SURFACE
TO BOTTOM OF BORING 27.50


WEATHER Clear & Sunny

DRILL RIG MANUFACTURE
MODEL NO. CF-5

DRILLER Dempsey Stovon

LOGGER Draj Mostamand

DRILLER'S / LOGGERS COMMENTS —

DEPTH, FEET	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>90-59</u> DATE: BEGIN <u>06/18/90</u> COMPLETE <u>06/18/90</u>			JOB NO. <u>14G-404</u> LOGGER <u>Truj</u> PAGE <u>2/3</u>		PROJECT <u>Victoria Ship Channel</u>		LOCATION/STATION/ELEVATION: <u>Sta. 445+00 / E.L. + 2.50' MLT</u>	
			DEPTH: AUGERED _____		WASHED <u>24'</u>		CORED _____		GROUNDWATER READINGS		
			TIME	DEPTH	TIME	DEPTH	TIME	DEPTH			
			FIRST								
		CONSIS- TENCY	COLOR	MINOR	MAJOR	MODIFICATION					
0	1	WOP	V/Loose	Gray	Clayey	SAND	-w/shells				
	2	0.0	"	"	"	"	"				
-5-	3	0.0	"	"	"	"	"				
	4	0.15	V/Soft	Gray	Sandy	CLAY	-w/shells; 7" sample				
	5	0.25	"	"	"	"	-w/shells; jar sample				
-10-	6	0.25	"	"	"	"	-w/shells				
	7	WOP	V/Loose	Gray & Tan	Clayey	SAND	-w/shells; jar sample				
-15-	8	5/16	M/Dense	Gray & Brown	"	"	"				
	9	3.00	V/Stiff	Gray & Brown	Silty	CLAY	-w/sand & shells				
	10	4.50*	Hard	"	"	"	-				
-20-	11	4.50	"	"	"	"	- 5.5" sample				
	12	4.50	"	"	"	"	-				
-25-							Bottom of Boring				

CONTINUED: YES NO

Project : CHANNEL TO VICTORIA
VICTORIA, TEXAS

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 90-59

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)	L L (%)	P L (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0 - 1.5		WOP	Gray, SILTY SAND, very loose, with shell fragments	S M												
2	2 - 4			Gray, SILTY SAND, very loose, with clay and shell fragments	S M	24.4					99.7	98.7	96.8	77.5	27.5		
3	4 - 6			Gray, SILTY SAND, very loose, with clay and shell fragments	S M												
4	6 - 8	0.25		Bluish green, SILTY CLAY, soft, with calcareous nodules and shell fragments	C L	22.7	101.4	124.5	32	14							
5	8 - 10			Gray, SILTY SAND, very loose, with clay and shell fragments	S M	25.4											
6	10 - 12			Brown, bluish green and dark gray, CLAYEY SILTY SAND, very loose, with shell fragments	S M	20.6					98.2	96.8	93.8	81.1	31.7		
7	12 - 13.5		WOH	Brown, SILTY SAND, very loose, with clay and shell fragments	S M	25.8											
8	14 - 15.5		18	Brown, SANDY CLAY, very stiff, with calcareous nodules	C L						97.8	95.0	93.7	91.6	59.1		
9	16 - 18	2.75		Gray and brown, CLAY, very stiff, with sand, calcareous nodules & silt partings, slickensided	C H	23.6	104.4	129.1	55	21							
10	18 - 20	3.00		Brown, CLAY, very stiff, with silt partings	C H												
11	20 - 22	4.50		Gray and brown, CLAY, hard, with silt pockets, slickensided	C H	25.6											
12	22 - 24	3.50		Gray & brown, CLAY, very stiff, with silt pockets, slickensided	C H												

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