

U.S. ARMY CORPS OF ENGINEERS
GEOTECHNICAL BORING DATA

13EM

PROJECT NAME Victoria Ship Channel

LOG OF BORING NO. 90-28

CORRECTED COPY
SUBMITTED 7/18/90

LOCATION / STATION 10+00 left

DATE / TIME STARTED 06/15/90 @ 3:10 pm

DATE / TIME COMPLETED " " 4:10 "

TIDE ELEVATION +2.3' MLT DATUM

WATER DEPTH 2.5' El. Top of Boring = 2.3 - 2.5 = -0.2 MLT


DEPTH FROM WATER SURFACE TO BOTTOM OF BORING 27.5'

WEATHER Clear & Sunny

DRILL RIG MANUFACTURE MODEL NO. CF-5

DRILLER Dempsey Goaren
LOGGER Ariss Lazaridis

DRILLER'S / LOGGER'S COMMENTS _____

DEPTH, FEET	SAMPLE NO.	SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BORING NO. <u>90-28</u>		DATE: BEGIN <u>06/15/90</u> COMPLETE <u>06/15/90</u>		
					JOB NO. <u>146404</u>		LOGGER <u>Aris</u> PAGE <u>2/3</u>		
					PROJECT <u>Victoria Ship Channel</u>		LOCATION/STATION/ELEVATION: <u>Sta. 10+00 / EL. +2.3' MLT</u>		
					DEPTH: AUGERED _____		WASHED <u>25'</u>		CORED _____
GROUNDWATER READINGS									
TIME	DEPTH	TIME	DEPTH	TIME	DEPTH				
FIRST									
		CONSISTENCY	COLOR	MINOR	MAJOR	MODIFICATION			
0	1	0.0	V/soft	Gray	Clayey	SILT	-w/sand & shells; disturbed sample		
	2	0.25	"	"	"	SAND	-w/silt & shells		
5	3	0.25	"	"	"	SILT	-w/sand & shells		
	4	0.25	"	"	"	"	-w/shells		
10	5	2.50	V/STIFF	L & D/gray		CLAY	-w/shells LL, PL, UNC		
	6	1.50	STIFF	Gray		"	-w/shells, 6" sample LL, PL, UNC		
	7	1.25	"	"		"	-w/shells, clayey sand		
15	8	1.50	"	Tan	Silty	"	-w/gray & Tan clayey sand 10" sample		
	X 9	4/6/10	H/Dense	Tan		SAND			
20	X 10	6/8/9	"	Gray & Tan		"	-w/shells & trace clay		
25	X 11	10/1/12	"	Gray & Yellowish		"	-w/shells		
							Bottom of Boring		

CONTINUED: YES NO

Low Fed

Project : CHANNEL TO VICTORIA, TEXAS

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 90-28

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)	qu (tsf)
											#4	#10	#40	#100	#200		
											1	0 - 2			Gray, SILTY SAND, very loose, with shell fragments		
2	2 - 4			Gray, SILTY SAND, very loose, with shell fragments	S M	25.9					99.9	99.4	97.8	86.1	32.1		
3	4 - 6	0.25		Gray, SANDY SILT, soft, with shell fragments	M L	29.5			24	NP							
4	6 - 8	0.25		Gray, SANDY SILT, soft, little clay, with shell fragments	M L	31.7					96.5	89.5	85.1	79.4	62.7		
5	8 - 10	2.50		Gray, CLAY, very stiff, with silt and calcareous nodules	CL	31.5											
6	10 - 12	1.50		Gray, SANDY CLAY, stiff, with silt and shell fragments	CL	33.0	86.7	115.3	49	19	100.0	100.0	99.9	93.7	73.8		
7	12 - 14	1.25		Gray, SILTY CLAY, stiff, with shell fragments and calcareous nodules	CL	24.5											
8	14 - 16	1.50		Gray and tan, SILTY CLAY, stiff, with calcareous nodules and clayey sand layer	CL	24.9											
9	16 - 17.5		16	Tan, SAND, medium dense, with silt and shell fragments	S M	23.3					100.0	99.6	99.4	76.7	14.3		
10	21 - 22.5		17	Tan, SAND, medium dense, with silt and shell fragments	S M												
11	23.5 - 25		23	Tan, SAND, medium dense, with silt and shell fragments	S M												

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classification, M c : Moisture Content