BKM

U.S. ARMY CORPS OF ENGINEERS
GEOTECHNICAL BORING DATA

PROJECT NAME Victoria Ship Channel

LOG OF BORING NO. 90-57

LOCATION / STATION 415 +00

DATE / TIME STARTED 06/13/90 @ 1:45 pm
DATE / TIME COMPLETED " " 2:25 "

TIDE ELEVATION +2.50' MLT DATUM

WATER DEPTH 6.50' -4

DEPTH FROM WATER SURFACE
TO BOTTOM OF BORING 25.5'

WEATHER Warm & Cloudy

DRILL RIG MANUFACTURE
MODEL NO. CF-5

DRILLER Dempsey Jensen
LOGGER Iraj Hosseini

DRILLER'S / LOGGER'S COMMENTS —

BORING NO. 90-57 DATE: BEGIN 06/18/90 COMPLETE 06/18/90
JOB NO. 146404 LOGGER Iraj PAGE 2 / 3
PROJECT Victoria Ship Channel
LOCATION/STATION/ELEVATION: Sta. 415+00 / El. +2.50' MLT

DEPTH: AUGERED ____ WASHED 21' CORED ____

GROUNDWATER READINGS

TIME	DEPTH	TIME	DEPTH	TIME	DEPTH
FIRST					

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	CONSISTENCY	COLOR	MINOR	MAJOR	MODIFICATION
0		1	0.25	V/Soft	Gray	Silty	CLAY	-w/shells
		2	0.25	"	"	"	"	"
5		3	0.25	"	"	"	"	"
		4	0.25	"	"	"	"	"
		5	0.25	"	"	"	"	"
10		6	0.25	"	"	"	"	-w/shells; 10" disturbed sample
		7	0.25	"	"	"	"	"
		8	0.25	"	"	"	"	"
15		9	—	—	Gray & White	Sandy	Gravel	-w/ limestone; jar sample
		10	—	—	"	"	"	"
20		11	0.25	V/Soft	Gray		CLAY	-w/shells & Gravel; jar sample
								Bottom of Boring
25								

CONTNUED: ☐ YES ☒ NO

Project : CHANNEL TO VICTORIA
VICTORIA, TEXAS

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 90-57

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 #4	#10	#40	#100	#200	Torvane Shear Strength (tsf)	q u (tsf)
1	0 - 2	0.00		Gray and black, CLAYEY SAND, loose, with shell fragment	SC	27.6											
2	2 - 4	0.25		Gray, CLAYEY SAND, loose, with shell fragments	SC	39.6	82.1	114.6	34		99.5	97.5	94.5	75.9	44.9		
3	4 - 6	0.00		Gray, CLAYEY SAND, loose, with shell fragments	SC	39.3											
4	6 - 8	0.00		Gray, CLAYEY SAND, loose, with shell fragments	SC	41.1	84.6	119.4									
5	8 - 10	0.00		Gray, CLAYEY SAND, loose, with shell fragments	SC	30.8	88.4	115.6	35		99.5	98.1	95.8	64.9	38.5		
6	10 - 12	0.00		Gray, CLAYEY SAND, loose, with shell fragments	SC	38.7											
7	12 - 14	0.00		Gray, CLAYEY SAND, loose, with shell fragments	SC	29.0											
8	14 - 16	0.00		Gray, CLAYEY SAND, loose, with shell fragments	SC	33.4											
9	16 - 18			Light gray and white, SAND, loose, with gravel	SP-SM	20.1					88.1	55.8	26.5	18.8	10.6		
10	18 - 20			Light gray and white, SAND, loose, with gravel	SP-SM	17.4											
11	20 - 21			Gray, SILTY SAND, loose, with gravel	SM	29.3											

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