MATAGORDA SHIP CHANNEL
POWERHORN LAKE TO INDIAN POINT

TEST DATA SUMMARY

FEATURE Log of Soil Boring

Sheet 2A of ____

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	D_{10} *	ATTERBERG LIMITS LL	PL	SPECIFIC GRAVITY G	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS/CU FT	COMPACTION DATA OPTIMUM WATER %	MAXIMUM DRY DENSITY LBS/CU FT	SHEAR DATA INITIAL e	DRY DENSITY LBS/CU FT	W_i %	W_F %	S_i %	TYPE TEST	SPECIMEN SIZE INCHES	TEST	σ_{III} T/SQ FT	σ_I T/SQ FT	C T/SQ FT	Ø DEGREES	PERMEABILITY e	K FT/MIN	CONSOLIDATION DATA P_o T/SQ FT	P_c T/SQ FT	C_c	t_{50} *	REMARKS
BST 119-A	62	0.0												Water																			
		11.5																															
	3973		SC	0	59	41	0.0		7.0		38.0	86.4		Gray Clayey Sand (SC) V/Soft																			
		14.0																															
	3974		SM	0	78	22	0.0		0.0		19.8	105.7		Gray Silty Sand (SM)																			
		16.5																															
														Washed																			
		20.0																															
	3975		SM	0	87	13	0.0		0.0		20.7			Brown Silty Sand (SM) V/Dense																			38/21.5-20.5
		22.0																															
														Washed																			
		25.0																															
	3976		Same as #3975								31.3			Brown Silty Sand (SM)																			
		27.0																															
														Washed																			
		28.0																															
	3977		CH	0	16	84	0.50	55.4	20.0		45.6	75.4		Red Sandy Clay (CH) Soft																			
		30.0																															
														Washed																			
		35.0																															
	3978		Same as #3975				0.0				25.6			Brown Silty Sand (SM)																			
		37.0																															
														Washed																			
		40.0	Top: Same as #3975				0.0							Brown Silty Sand (SM)																			
	3979		Bottom: Same as #3980				1.75				27.4	98.3		Brown - Sandy Clay (CL) Stiff																			
		42.0																															
	3980		CL	0	14	86	1.00	28.4	10.0		31.5	91.0		Brown - Sandy Clay (CL) Medium																			
		44.5																															
	3981		Same as #3975				1.50				22.5	107.4		Brown Silty Sand (SM)																			
		47.0																															
			Bottomed in Above Tide @ 1.4 @ 645AM.																														
			Location of Boring: Sta. 22+500																														

* Values at Pressure T/SQ FT

- Triaxial Compression
UC - Unconfined Compression
DS - Direct Shear
UU - Unconsolidated Undrained
- Consolidated Drained
CU - Consolidated Undrained

ENG FORM 1 DEC 72 2086

MATAGORDA SHIP CHANNEL
BEACON #19 TO
MATAGORDA PENINSULA

TEST DATA SUMMARY

FEATURE Log of Soil Borings

Sheet 5 of 4

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	D_{50}	ATTERBERG LIMITS LL	PI	SPECIFIC GRAVITY G	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS/CU FT	COMPACTION DATA OPTIMUM WATER %	MAXIMUM DRY DENSITY LBS/CU FT	SHEAR DATA INITIAL e	DRY DENSITY LBS/CU FT	W_i %	W_f %	S_i %	TYPE TEST	SPECIMEN SIZE INCHES	TEST	σ_{III} T/SQ FT	σ_I T/SQ FT	C T/SQ FT	Ø DEGREES	PERMEABILITY e	K FT/MIN	CONSOLIDATION DATA P_o T/SQ FT	P_c T/SQ FT	C_c	t_{50}*	REMARKS
3ST-119	61	00.0	Water surface (Elev +2.2 MLT)																															
	↩															Water																		
		12.0			1-1-53																													
	4955		SC	1	55	44	0.0		7.0		42.5 (42)					Gray, clayey sand (SC), v/soft, w/shell fragments																		
		14.0			1-2-54																													
	4956		SC	0	57	43			9.0		41.1					Tan, clayey sand (SC)																		
		16.0			0-0-67																													
	4957		SM	0	67	33			0.0		25.1 (29)					Tan, silty sand (SM)																		
		19.0																																
	4958		SM	Same as 61-4956							32.5					Tan, silty sand (SM)																		
		20.0			1-1-61																													
	4959		SC	0	63	37			3.0		30.1 (30)					Gray clayey sand (SC), medium dense																	7/20.0-21.5	
		21.5																																
	↩		SC													No Drillers Classification Assumed Same as Above																		
		25.0			0-0-80																													
	4960		SM	0	80	20			0.0		27.9 (28)					Gray, silty sand (SM), v/dense																		
		26.5																																
	↩		SM													No Drillers Classification Assumed Same as Above																		
		30.0																																
	4961		SM	0	74	26			0.0		25.6					Brown, silty sand (SM), v/dense, shell fragments																	22/30.0-31.5	
		31.5																																
	↩		SM													No Drillers Classification Assumed Same As Above																		
		35.0																																
	4962		SM	Same as 61-4961							31.0					Brown, silty sand (SM)																		
		37.0																																
			SM													No Drillers Classification Assumed Same as Above																		
		40.0																																
	4963		CL	0	6	94	.75	34.6	12.5		39.2 (39)	83.5				Brown, clay (CL), medium dense																		
		42.0																																
	↩		CL													No Drillers Classification Assumed Same as Above																		
		46.0																																
	4964		CL	0	27	73	1.0		3.0		39.4	90.4				Brown, sandy clay (CL), stiff, w/shell fragments																		
		48.0																																

Bottomed @ 48.0' Below Surface of Water in Brown, sandy clay (CL)

Location of Boring: Sta 23+000 Tide 2.2' @ 6:05 A.M.

* Values at Pressure T/SQ FT

↩ = No Recovery

- Triaxial Compression
UC - Unconfined Compression
DS - Direct Shear
UU - Unconsolidated Undrained
- Consolidated Drained
CU - Consolidated Undrained

Feb 93 2066