MATAGORDA SHIP CHANNEL
POWERHORN LAKE TO INDIAN POINT

TEST DATA SUMMARY

FEATURE Log of Soil Boring

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
6ST-76-A	62	44.0																															
	3622		CL				4.25			23.8	101.6		DC	Gray,	Clay (CL), w/calcareous nodules, Hard																		
		46.0																															
	3623		CL				4.50			18.3	116.9			Gray	Clay (CL), calcareous nodules, Hard																		
		48.0																															
6ST-77-A	62	45.0																															
	3624		CL				0.25			29.6	93.1			Gray,	Sandy Clay (CL), Soft																		
		47.5																															
3ST-78-A	62	45.0																															
	3625		CL				0.0			40.0	80.9			Gray	Clay (CL), v/soft																		
		47.5																															
3ST-79-A	62	44.0																															
	3626		CL				0.0			68.5	85.4			Gray,	Clay (CL) v/soft																		
		46.0																															
	3627		CL				0.0			52.9	69.5			Gray	Clay (CL), v/soft																		
		48.0																															
3ST-80-A	62	45.0																															
	3628		CL				0.0			59.1	65.6			Gray	Clay (CL) v/soft																		
		47.5																															
3ST-81-A	62	45.0																															
	3629		CL				0.0			45.5	75.7			Gray,	Clay (CL), v/soft																		
		47.5																															
3ST-82-A	62	44.0					0.0			28.3	94.7																						
	3630		CL											Gray,	Sandy Clay (CL), v/soft																		
		46.0																															
	3631		CL				0.0							Gray,	Sandy Clay (CL), v/soft																		
		48.0																															
3ST-83-A	62	46.0																															
	3632		SM				0.0			26.2				Gray,	Silty Sand (SM), Loose																		
		48.0																															
6ST-85-A	62	44.0																															
	3633		CL				3.50			45.3	84.2			Gray,	Clay (CL), v/soft w/calcareous nodules																		
		46.0																															
	3634		CL				4.25			52.0	79.5			Gray,	Clay (CL), Hard, w/calcareous nodules																		
		48.0																															

* Values at Pressure T/SQ FT

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

MATAGORDA SHIP CHANNEL
POWERHORN LAKE TO INDIAN POINT

TEST DATA SUMMARY

FEATURE Log of Soil Borings

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
65T-66A	62	0.0												Water																			
		13.0																															
	3414		Same as 3419				0.0				141.2			Gray,	Clay (CH), v/soft																		
		15.5																															
	3415		Same as 3419				0.0				86.4	47.8		Gray,	Clay (CH), v/soft																		
		18.0																															
	3416		Same as 3419				0.0				98.5	47.7		Gray,	Clay (CH), v/soft, w/some shell																		
		20.0																															
	3417		Same as 3419				0.0				131.0	39.6		Gray	Clay (CH), v/soft																		
		22.0																															
	3418		Same as 3419				0.0				90.0			Gray,	Clay (CH), v/soft																		
		24.0																															
	3419		CH	0	5	95	0.0	60.0	22.0		87.8	49.8		Gray	Clay (CH), v/soft																		
		26.0																															
	3420		Same as 3423				0.0				104.8	47.8		Gray	Clay (CL), v/soft																		
		28.0																															
	3421		Same as 3423				0.0				84.3	52.0		Gray,	Clay (CL), v/soft																		
		30.0																															
	3422		Same as 3423				0.0				42.5	68.3		Gray,	Clay (CL), v/soft																		
		32.0																															
	3423		CL	0	12	88	0.0	39.1	12.0		45.9	75.2		Gray,	Clay (CL) v/soft, w/trace of shell																		
		34.0																															
	3424		Same as 3425				0.0				43.3	78.9		Gray	Sandy Clay (CL), v/soft, w/trace of shell fragments																		
		36.0																															
	3425		CL	0	22	78	0.0	43.2	15.0		46.9	74.0		Gray,	Sandy Clay (CL), v/soft, trace of organic material																		
		38.0																															
	3426		Same as 3425				0.0				49.8	72.0		Gray,	Sandy Clay (CL), v/soft, w/trace of shell fragments																		
		40.0																															
	3427		Same as 3425				0.0				54.3	67.9		Gray,	Sandy Clay (CL), v/soft																		
		42.0																															
	3428		Same as 3425				0.0				54.7	67.5		Gray	Sandy Clay (CL), v/soft																		
		44.0																															
	3429		Same as 3430				0.25				61.5	63.9		Gray	Clay (CH), soft, w/limey concretions																		
		46.0																															
	3430		CH	0	1	99	0.25	71.1	24.0		61.9	63.2		Gray,	Clay (CH), soft																		
		48.0																															
			Bottomed in Above								Tide @ 2.2' @ 11 AM																						
		50																															

NOTE - Standard splitspoons drive penetration test results are shown in REMARKS column thus: No. of blows/" depth. Spoon penetrated material under weight of drill stem where "0" is shown for number of blows.

* Values at Pressure T/SQ FT

- Triaxial Compression
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- Consolidated Drained
CU - Consolidated Undrained

☆ Pocket Penetrometer ☆☆ Bar 4.5