MATAGORDA SHIP CHANNEL
TURNING BASIN TO LIGHT #51

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_{50}	ATTERBERG LIMITS: LL	PI	SPECIFIC GRAVITY	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
35T-8	61-	0.0 =	Water Surface (Elev. + 1.5' MLT)																														
	-		WATER				-						WATER																				
		8.0		0.25	21.30.11																												
	3257		SC	25	62	13	-				46.1		Gray, Clayey Shelly SAND (SC) Medium Dense (Sand fraction contains broken shell)													Std. Pent. Test (6.5'-8.5') = 4 blows/ft.							
		10.0																															
	-		(SC)	No Sample			-	Drillers Classification					"Same as above"																				
		16.0																															
	3258		CL	3	17	80	-	35	9.0		41.2		Gray, CLAY (CL), (Soft) w/ trace of shell																				
		18.0																															
	-		(CL)	No Sample			-	Drillers Classification					"Same as above"																				
		20.0																															
	3259		(CL)	(Same as 61-3258)			0.50				55.6	65.8	Gray, CLAY (CL), (Soft), w/ trace of shell																				
		22.0																															
	-		(CL)	No Sample			-	Drillers Classification					"Same as above"																				
		25.0																															
	3260		CH	0	1	99	0.50	75	23.5	0.24	74.1	54.9	Gray to Rust CLAY (CH) v/soft																				
		27.5																															
	-		(CH)	No Sample			-	Drillers Classification					"Same as above"																				
		30.0																															
	3261		(CH)	(Same as 61-3260)			0.50			0.25	68.7	57.9	Gray to Rust CLAY (CH), v/soft																				
		32.5																															
	-		(CH)	No Sample			-	Drillers Classification					"Same as above"																				
		35.0																															
	3262		(CH)	(Same as 61-3260)			0.50			0.34	57.5	64.5	Gray to Rust CLAY (CH), Soft. (Driller notes presence of shell)																				
		37.5																															
	-		(CH)	No Sample			-	Driller's Classification					"Same as above"																				
		40.0																															
	3263		CH	0	2	98	0.50	72.7	24.0	0.33	56.3	66.2	Light Gray, CLAY (CH), Soft (Driller notes presence of shell)																				
		42.5																															
	-		(CH)	No Sample			-	Driller's Classification					"Same as above"																				
		45.0																															
	3264		(CH)	(Same as 61-3263)			0.50				51.3	69.5	Light Gray, CLAY (CH), Soft (Driller notes presence of shell & increase of sand content near bottom)																				
		47.5																															
			Bottomed @ a depth of 47.5' below water surface in Light Gray (SANDY) CLAY (CH), Soft w/ trace of Shell. Boring @ Station 36+00, 110' East of ℄																														
35T-9	61-	0.0 =	Water Surface (Elev. + 1.4' MLT)																														
	-		Water										WATER																				
		8.2		0.27	21																												
	3265		SM	27	59	14	-				38.4		Light Gray, SILTY SHELLY SAND (SM), Medium Dense [Std. Pent. Test (8.7'-9.7') = 3 blows/ft.] (Sand fraction contains broken shell)																				
		10.0																															
	-		(SM)	No Sample			-	Drillers Classification					"Same as above"																				
		14.0																															
	3266		CL	1	19	80	-	33	9.0		38.5		Light Gray, CLAY (CL), v/soft (Driller notes presence of shell)																				
		16.5																															
			Log of Boring 35T-9 continued on Sheet #8)																														

* Values at Pressure ~~T/SQ FT~~ - Triaxial Compression UC - Unconfined Compression DS - Direct Shear UU - Unconsolidated Undrained - Consolidated Drained CU - Consolidated Undrained

* Laboratory Penetrometer Reading ~~**~~ - Bar L.S. ~~**~~ - Maximum Unconfined Compression Strength, Tons/Sq Ft.

MATAGORDA SHIP CHANNEL
TURNING BASIN TO LIGHT #51

TEST DATA SUMMARY

FEATURE Log of Soil Borings

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	~~B/S~~	ATTERBERG LIMITS LL	~~PL~~	~~SPECIFIC GRAVITY~~	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_1 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
~~35T-~~ 9 (Cont)	61-	16.5																															
	—		(CL)	No Sample				-	Drillers Classification				"Same as above"																				
		20.0																															
	3267		(CL)	(Same as 61-3266)				0.25				48.9	70.6	Light Gray, CLAY (CL), v/soft (Driller notes presence of shell)																			
		22.0																															
	—		(CH)	No Sample				-	Drillers Classification				"Same as below"																				
		25.0																															
	3268		CH	0	4	96	0.25	57.1	20.0	0.29	58.1	63.9	Light Gray to Rust, CLAY (CH), v/soft																			
		27.5																															
	—		(CH)	No Sample				-	Drillers Classification				"Same as above"																				
		30.5																															
	3269		CH	0	1	99	0.25	81.1	26.0	0.24	67.2	57.6	Light Gray to Rust, CLAY (CH), v/soft																			
		33.0																															
	—		(CH)	No Sample				-	Drillers Classification				"Same as above"																				
		35.0																															
	3270		CH	0	1	99	0.25	75.4	25.0	0.31	57.8	63.6	Rust to Light Gray, CLAY (CH), Soft. (Driller notes presence of shell)																			
		37.5																															
	—		(CH)	No Sample				-	Drillers Classification				"Same as above"																				
		40.5																															
	3271		CL	0	9	91	0.25	42.8	15.0	0.42	39.1	80.1	Light Gray, CLAY (CL), Soft (Driller notes presence of shell)																			
		43.0																															
	—		(CL)	No Sample				-	Drillers Classification				"Same as above"																				
		45.0																															
	3272		CH	0	11	89	0.25	50.5	17.5	0.52	42.7	76.1	Light Gray, CLAY (CH), Soft (Driller notes presence of shell)																			
		47.5																															
			Bottomed @ a depth of 47.5' below water surface in Light Gray, CLAY (CH), Soft w/trace of shell. Boring @ Station 40+00.																														
35T-10	61-	0.0 =	Water Surface (Elev. +1.7' MLT)																														
	—		Water										WATER																				
		8.0		8-14	24-36																												
	3273		SM	22	67	11		—				38.5	Dark Gray, SILTY SHELLY SAND (SM), Medium Dense. Std. Pent. Test (8.5'-9.5') = 2 blows/ft. (Sand fraction includes broken shell) (Driller notes presence of plastic fines)																				
	—	12.0	(SM)	No Sample				-	Drillers Classification				"Shell, some sandy clay, v/soft"																				
		15.0																															
	3274		CL	0	19	81		—	24.1	14.5		48.7	Light Gray, CLAY (CL), v/soft, Driller notes material same as above in top part of run and trace of shell in bottom part																				
		18.5																															
	—		(CL)	No Sample				-	Drillers Classification				"Same as below"																				
		22.0																															
	3275		(CL)	(Same as 61-3274)				0.25				72.7	57.2	Light Gray CLAY (CL), v/soft (Driller notes presence of shell)																			
		24.5																															
	—		(CL)	No Sample				-	Drillers Classification				"Same as above"																				
		28.0																															
	3276		(CL)	(Same as 61-3274)				0.25				69.3	57.8	Light Gray, CLAY (CL), v/soft (Driller notes presence of shell)																			
		30.5																															
			(Log of Boring 35T-10 continued on next sheet)																														

~~* Values at Pressure~~ ~~T/SQ FT~~

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

*- Laboratory Penetrometer Reading **- Bar L.S. ***- Maximum Unconfined Compressive Strength, Tons/Sq. Ft.