

BORING LOG
FIELD DATA

15' NORTH

Project HARBOR ISLAND, PORT ARANSAS, TEXAS Location 2,478,116, 786,520 Date 27 MAY 1974
Drill Rig FAILING 1500 Inspector LANGFORD Operator YOUNGER Surface elev Tide 2.2' 00845
Levee District GALVESTON Job No. _____ Boring No. 74-126

SAMPLE NUMBER	DATE TAKEN	STRATUM		DRIVE		SAMPLE		TYPE OF SAMPLER	CONTAINER	POCKET PENETROMETER VALUE	CLASSIFICATION AND REMARKS
		FROM	TO	FROM	TO	FROM	TO				
	1974										
	27 MAY	0.0	46.2								WATER DEPTH 1245 HOURS
1 ✓		0.0		0.0	0.5	1.1	2.0	DRIVE SAMPLER	JAR		BROWN, GRAY CLAY, SOFT, 10 BLOWS
			1.5	0.5	1.0						10 BLOWS, GRAY SILTY FINE SAND WITH CLAY LAYERS.
		1.5		1.0	1.5						
				1.5	2.0						
2 ✓				2.0	2.5	2.8	4.0		JAR		20 BLOWS
				2.5	3.0						25 BLOWS
				3.0	3.5						
				3.5	4.0						
3 ✓				4.0	4.5	5.0	6.0		JAR		24 BLOWS
				4.5	5.0						26 BLOWS
				5.0	5.5						
			6.0	5.5	6.0						
4 ✓		6.0		6.0	6.5	7.7	8.0		JAR		GRAY SHELL WITH 1/4 SAND AND SILT 49 BLOWS
				6.5	7.0						56 BLOWS
				7.0	7.5						
				7.5	8.0						

WES FORM NO. 819 PREVIOUS EDITION IS OBSOLETE
REV NOV 1971

Sheet 1 of 5 Sheets

Boring No. 74-126
Levee District GALVESTON
Job No. _____

LABORATORY DATA

Date _____ Classified by _____

[illegible]

BORING LOG											
FIELD DATA											
Project <u>HARBOR ISLAND, PORT ARANSAS, TEXAS</u>						Location _____			Date _____		
Drill Rig _____						Inspector _____			Operator _____		
Levee District _____						Job No. _____			Surface elev. _____		
									Boring No. <u>74-126</u>		
SAMPLE NUMBER	DATE TAKEN	STRATUM		DRIVE		SAMPLE		TYPE OF SAMPLER	CONTAINER	POCKET PENETROMETER VALUE	CLASSIFICATION AND REMARKS
		FROM	TO	FROM	TO	FROM	TO				
5 ✓				8.0	8.5	9.7	10.0		JAR		
				8.5	9.0						36 BLOWS
				9.0	9.5						41 BLOWS
				9.5	10.0						
1 USGS						0.0	10.0		JAR		
				10.0	10.5	-	-				NO RECOVERY
				10.5	11.0						38 BLOWS
				11.0	11.5						41 BLOWS
				11.5	12.0						
				12.0	12.5	-	-				NO RECOVERY
				12.5	13.0						18 BLOWS
				13.0	13.5						35 BLOWS
6 ✓				13.5	14.0	13.0	14.0		JAR		PUSHED OVER.
				14.0	18.0						WASHED
1 EC						0.0	6.0		JUG		

Sheet 2 of 5 Sheets

Date _____ Classified by _____

[illegible]

BORING LOG FIELD DATA											
Project <u>HARBOR ISLAND, PORT ARANSAS, TEXAS</u>					Location _____			Date _____			
Drill Rig _____					Inspector _____			Operator _____			
Levee District _____					Job No. _____			Surface elev. _____			
								Boring No. <u>74-126</u>			
SAMPLE NUMBER	DATE TAKEN	STRATUM		DRIVE		SAMPLE		TYPE OF SAMPLER	CONTAINER	ROCKET PENETROMETER VALUE	CLASSIFICATION AND REMARKS
		FROM	TO	FROM	TO	FROM	TO				
7 ✓				18.0	18.5	19.5	20.0		JAR		
				18.5	19.0						29 BLOWS
				19.0	19.5						29 BLOWS
				19.5	20.0						
				20.0	23.0						WASHED
8 ✓				23.0	23.5	23.5	24.5		JAR		
				23.5	24.0						28
				24.0	24.5						88
20SGS			26.5			10.0	20.0		JAR		
			26.5	24.5	28.0	-	-				WASHED. GREEN CLAY WITH
30SGS						20.0	30.0				CALCAREOUS MATERIAL HARD,
9 ✓				28.0	28.5	29.5	30.0	✓	JAR	4.25	AND SAND LAYERS.
				28.5	29.0						13 BLOWS
				29.0	29.5						15 BLOWS
				29.5	30.0						
2EC			30.7			6.0	26.0		JUG		
10			30.7	30.0	32.0	31.3	32.0	3" SHELBUTUBE	JAR		GREEN FINE TO MEDIUM SAND,

Date _____ Classified by _____

[illegible]

[illegible]

Date_____ Classified by_____

[illegible]

BORING LOG FIELD DATA											
Project <u>HARBOR ISLAND, PORT ARANSAS, TEXAS</u>						Location _____			Date _____		
Drill Rig _____						Inspector _____			Operator _____		
Levee District _____						Job No. _____			Surface elev. _____		
									Boring No. <u>74-126</u>		
SAMPLE NUMBER	DATE TAKEN	STRATUM		DRIVE		SAMPLE		TYPE OF SAMPLER	CONTAINER	ROCKET PENETROMETER VALUE	CLASSIFICATION AND REMARKS
		FROM	TO	FROM	TO	FROM	TO				
											UPPER PART OF SAMPLE IS CUTTINGS
3EC			32.0			26.5	30.2		JUG		
11✓		32.0		32.0	32.5	33.0	34.0	DRIVE SAMPLER	JAR		TAN, GREEN FINE SAND, WITH SHELL
				32.5	33.0						17 BLOWS
				33.0	33.5						50 BLOWS
				33.5	34.0						
				34.0	38.0						
12✓				38.0	38.5	38.0	39.2				
				38.5	39.0						70 BLOWS
				39.0	39.5						304 BLOWS
				39.5	40.0						
	28 MAY			40.0	43.0						WASH AWAY
13				43.0	44.5	43.0	44.2	SPLIT SPONS	JAR		TAN GREEN FINE SA. (SP)
				43.5	44.0						37 BLOWS
				44.0	44.5						76 BLOWS
				44.5	48.0						WASH AWAY
14				48.0	49.0	48.0	49.0	SPLIT SPONS	JAR		GR SA FINE (SP)

Date _____ Classified by _____

[illegible]

[illegible]

Sheet 5 of 5 Sheets

[illegible]

12 July 1971

PROJECT: FREEPORT HARBOR (Corpus) SHIPGDLR NO. 1475BORING NO. 74-126LOCATION: FREEPORT, TEXAS

TEST DATA SUMMARY

DATE COMPLETED 28 May 1974

FIELD NO.	Sample Depth, Feet		CLASSIFICATION	ELEVATION TOP BORING _____	SYMBOL	CONSISTENCY	POCKET (1) PENETROMETER	STAN. PENET. BLOWS/FT (2)	MOISTURE CONTENT %	DRY DENSITY P. c. f.	L.L.	P.L.	Lab Sample No.	BAR L.S.	SIEVE ANALYSIS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	From	To													PERCENT			INIT. WT.	ACC. WT. RTND. SIEVE NO. (3)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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KEY: CONSISTENCY - COHESIVE SOILS CONSISTENCY - COHESIONLESS SOILS
 VS S M ST VST R VL L H D VD
 Very Soft Soft Medium Stiff Very Stiff Hard Very Loose Loose Medium Dense Very Dense

(1) Tons/Sq.Ft. Unconfined Compressive Strength
 (2) Split Barrel Sampler
 (3) Acc. Wt. Rtd.: Init. Wt. x 100 = % Rtd.

BORING NO. 74-126

12 July 1971

 PROJECT: FREEPORT HARBOR (Corpus) 5111P

 LOCATION: FREEPORT, TEXAS

 GDLR NO. 1475

 BORING NO. 74-126

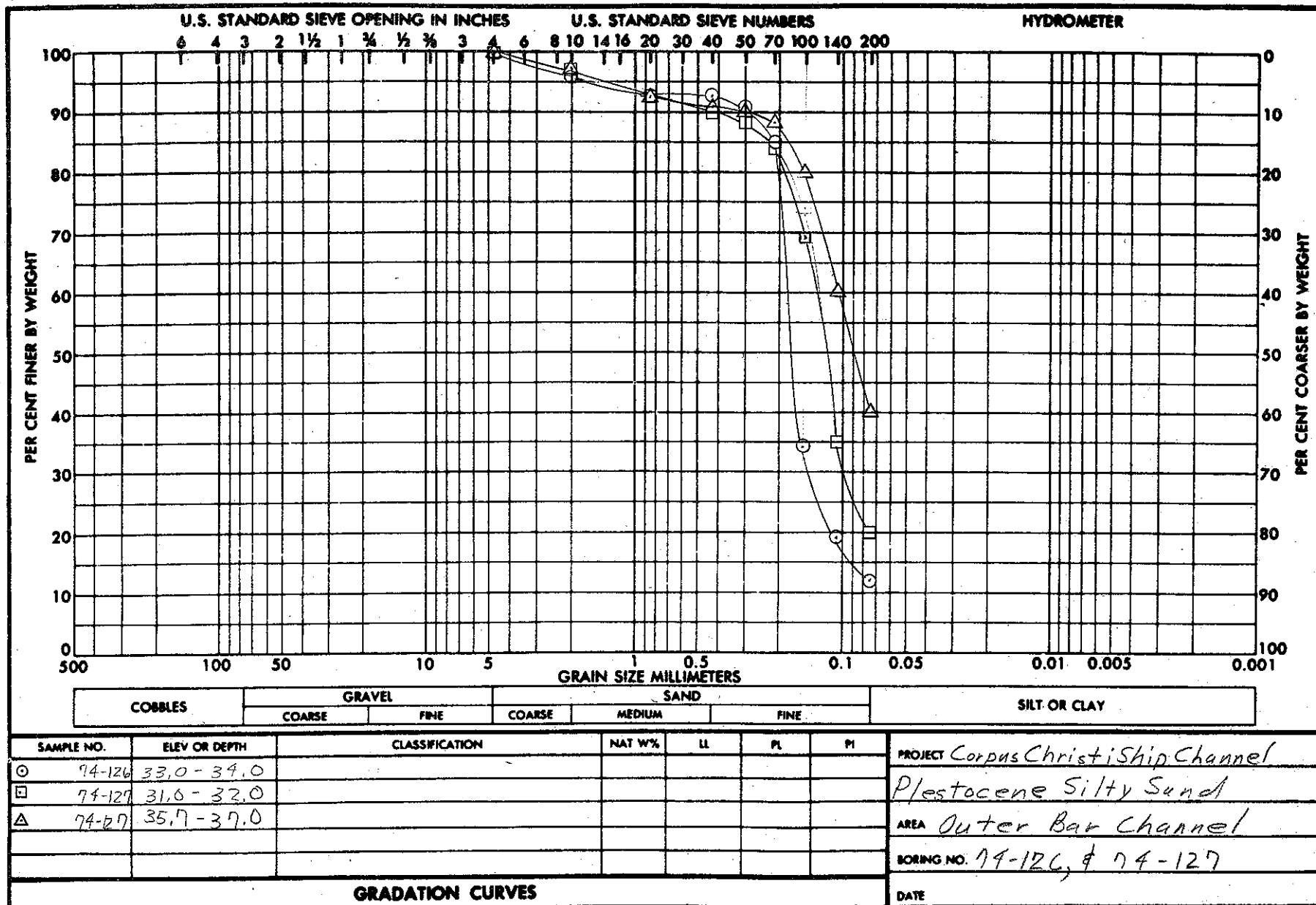
TEST DATA SUMMARY

 DATE COMPLETED 28 May 1971

FIELD NO.	Sample Depth, Feet		CLASSIFICATION	SYMBOL	CONSISTENCY	POCKET (1) PENETROMETER	STAN. PENET. BLOWS/FT (2)	MOISTURE CONTENT %	DRY DENSITY	P. C. F.	L. L.	P. L.	Lab Sample No.	BAR L. S.	SIEVE ANALYSIS						
	From	To												PERCENT			INIT. WT.	ACC. WT. RTND. SIEVE NO. (3)			
														GRVL	SAND	FINES		NO. 4	NO. 20	NO. 40	NO. 200
	0.0	46.2	water																		
1J	1.1	2.0	Gray Silty Sand	SM			26						1719	0	0	80	20	0	0	0	40
2J	2.8	4.0	shell 7.7'-10'		D		45	24					1720	0	0	62	38	0	0	0	31
3J	5.0	6.0			D		50	23					1721	0	0	58	42	0	0	0	29
4J	7.7	8.0			VD		105	15					1722	0	0	86	14	0	0	16	43
5J	9.7	10.0			VD		77	15					1723	0	2	82	16	1	0	20	42
6J	13.0	14.0	Gray Silty Sand w/shell	SPSM			20						1724	0	0	88	12	0	1	4	44
7J	19.5	20.0	Gray Silty Sand w/shell	SM	VD		58	23					1725	0	0	86	14	0	1	22	43
8J	23.5	24.5			VD		116	23					1726	0	0	84	16	0	0	1	42
9J	29.5	30.0	Gray Sandy Clay w/calcareous material	CLM			28	22	40	15			1727		4	20	76	2	1	7	12
10J	31.3	32.0	Brown Silty Sand	SPSM			22						1728	0	0	94	6	0	0	0	77
11J	33.0	34.0	Brown Silty Sand w/small shell	SM	VD		67	21					1729	0	2	84	14	1	1	3	43
12J	38.0	39.2			VD		100	19					1730	0	0	78	22	0	1	9	39
13J	43.0	44.2			VD		113	24					1731	0	0	86	14	0	0	0	43
14J	48.0	49.0	Brown Silty Sand w/small shell	SPSM	VD		105	23					1732	0	0	94	6	0	0	0	77
15J	54.0	54.7			VD		100	21					1733	0	0	94	6	0	1	8	77

(1) Test/4 ft. Unconfined Compressive Strength
 (2) Split Barrel Sampler
 (3) Acc. Wt. Retd. Init. Wt. x 100 = % Retd.

 BORING NO. 74-126



SIEVE ANALYSIS

Project Corpus Christi Date 1-22-75
 Boring No. 74-126 Sample No. 5-11 (32.0-34.0)

Total wt in grams of sample, $W_s =$ 188 Wt in grams of material > No. 4 sieve =

Sieve Openings		U. S. Standard Sieve Size or Number	Weight Retained in grams	Percent Retained		Percent Finer by Weight
Inches	Millimeters			Partial	Total	
3.00		3-in.				
2.00		2-in.				
1.50		1-1/2-in.				
1.00	25.4	1-in.				
0.750	19.1	3/4-in.				
0.500	12.7	1/2-in.				
0.375	9.52	3/8-in.	0		0	100
0.250	6.35	No. 60				
0.187	4.76	No. 4	1		0	100
Pan						
0.132	3.36	No. 100				
0.094	2.38	No. 200				
0.079	2.00	No. 10	8		4	96
0.047	1.19	No. 40				
0.033	0.84	No. 20	13		7	93
0.023	0.59	No. 60				
0.0165	0.42	No. 40	14		7	93
0.0117	0.297	No. 50	16		9	91
0.0083	0.210	No. 70	29		15	85
0.0059	0.149	No. 100	124		66	34
0.0041	0.105	No. 140	153		81	19
0.0029	0.074	No. 200	166		88	12
Pan					100	0
Total weight in grams						

Partial percent retained = $\frac{\text{wt in grams retained on a sieve}}{\text{wt in grams of sample used for a given series of sieves}} \times 100$

Total percent retained = $\frac{\text{wt in grams retained on a sieve}}{\text{total wt in grams of oven-dry sample}} \times 100$

For an individual sieve, the percent finer by weight = percent finer than next larger sieve - percent retained on individual sieve

Remarks

Technician (W) Computed by (W) Checked by _____

SM Pleistocene

TEST DATA SUMMARY

SWDED-FL Report 12013

PROJECT

Corpus Christi

BORING NO.	SAM. NO.	DEPTH OR ELEV. OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS				ATTERBERG LIMITS		SPECIFIC GRAVITY G	NAT. WATER CONT. %	NATURAL DRY DENSITY LBS/CU FT	COMPACTION DATA		SHEAR DATA										PERMEABILITY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
				GRAVEL %	SAND %	FINES %	D ₁₀	LL	PL				OPT. WATER %	MAXIMUM DRY DENSITY LBS/CU FT	INITIAL _g	DRY DENSITY LBS/CU FT	W ₁ %	W _F %	S ₁ %	TYPE TEST	SPECIMEN SIZE INCHES	TEST	σ _m T/SQ FT	σ ₁ T/SQ FT	c T/SQ FT	φ DEGREES	e	K FT/MIN.	P ₀ T/SQ FT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
74-126 thru 74-129 Jar (3-4711)			SM	1	80	19					22.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									