

35T-1 +2.0

Neches River
Salt Water Barrier
7 April 1971

#3 Vne

Gray Sand & clay
Org. Matter
Very Soft

Special Tests

-12.1

#8 Grad
Complete

Gray fine sand
Loose

-32.0

#14 Vne

Tan Sandy clay
Very stiff to
Hard - 2.5

-44.0

#17 Vne

Light Gray clayey sand, Hard 4.5

-48.0

-50

Tan clayey sand Hard 4.5

-56.0

Brown to Gray sand, Dense

Gray Fine sand
Dense

BORING LOG

Boring No. 35T-1
Levee District Galveston
Job No. 1368

FIELD DATA

Project Neches River Location Neches River Salt Water Barrier
Drill Rig Arco 550 #4 Inspector Black Operator Smith Surface Elev. _____
Natural Ground Elev. _____

LABORATORY DATA

Date 30 March 71 Classified by _____

SAMPLE NUMBER	DATE TAKEN	STRATUM		DRIVE		SAMPLE		TYPE OF SAMPLER	CONTAINER	POCKET PENETROMETER VALUE	CLASSIFICATION AND REMARKS	CLASSIFICATION	SYMBOL	NAT WC %	
		FROM	TO	FROM	TO	FROM	TO								
28	30 Mar 1971		85.8	84.5	85.5	85.0	86.0				Gray Fine sand 50 Blows 27 Blows				
29	"	86.0	88.0	86.0	88.0	86.0	87.3	3" Shelby Tube	Tube	100	Gray Sandy clay with sand seams				
30	"	88.0		88.2	90.0	88.0	89.0	"	"	0.75	Gray sand with clay balls				
31				90.0	92.0	9.5	92.0	Drive Sampler	Jar		Gray sand with trace of clay				
32	"			92.0	94.0	92.5	94.0				Gray Fine sand. 57+ Blows, Refusal				
				94.0	97.0			FISH TAIL							
33				97.0	99.0	97.5	98.0				Gray Fine sand. 57 Blows Refusal				
				99.0	106.0						WASHED AWAY				
34				101.5	102.0			3" Shelby Tube	JAR		Gray Fine sand. VERY DENSE				
WEIGHT OF HAMMER - 140#								BOTTOM							
DROP - 30"															

BORING LOG

Boring No. 3ST-1
Levee District Galveston
Job No. 1368

FIELD DATA

Project NECHES RIVER Location NECHES RIVER SALT BARRIER
Drill Rig ARCO 55 #4 Inspector BLACK Operator SMITH Surface Elev. _____
Natural Ground Elev. _____

LABORATORY DATA

Date 30 March 71 Classified by _____

SAMPLE NUMBER	DATE TAKEN	STRATUM		DRIVE		SAMPLE		TYPE OF SAMPLER	CONTAINER	POCKET PENETROMETER VALUE	CLASSIFICATION AND REMARKS	CLASSIFICATION	SYMBOL	NAT WC %	
		FROM	TO	FROM	TO	FROM	TO								
24	29 Mar			64.0	64.5	64.5	66.0	Drive sampler	Jar		GRAY FINE SAND (SP) 47 Blows 51 Blows Retain sampler				
				64.5	65.0										
				65.0	65.5										
				65.5	66.0										
				69.0	69.0			Fishtail			washed away				
25	30 Mar	69.0		69.0	69.5	69.5	70.5	Drive sampler	Jar		Tan and Gray Sand (SP) 50 Blows 55+ Blows - Refusal				
				69.5	70.0										
				70.0	70.5										
				74.5	70.5	74.5		Fishtail							
26	"	74.5		74.5	75.0	74.5	76.0	Drive sampler	Jar		Gray Fine Sand (SP) 37 Blows 63+ Blows - Refusal				
				75.0	75.5										
				75.5	76.0										
				76.0	79.5			Fishtail			washed away				
27				79.5	80.0	79.5	81.0	Drive sampler	Jar		Seat penetrometer 44 Blows 54 Blows Retain sample				
				80.0	80.5										
				80.5	81.0										
				81.0	81.5										

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FIELD DATA

Project Neches River Location Neches River Salt Barrier
 Drill Rig Arco 550 #4 Inspector Black Operator Smith Surface Elev. _____
 Natural Ground Elev. _____

LABORATORY DATA

Date 30 March 71 Classified by _____

SAMPLE NUMBER	DATE TAKEN	STRATUM		DRIVE		SAMPLE		TYPE OF SAMPLER	CONTAINER	POCKET PENETROMETER VALUE	CLASSIFICATION AND REMARKS	CLASSIFICATION	SYMBOL	NAT WC %	
		FROM	TO	FROM	TO	FROM	TO								
17	1/7/71	46.0		46.2	47.7	46.5	47.7		Tube	4.50	Light gray sandy clay or clayey sand (CL). Hard				
18			50.0	47.7	50.0	48.7	49.9		Tube	2.25	very stiff				
19		50.0		50.0	52.0	51.1	52.0		Tube	3.00	Tan gray sand with clay, very stiff.				
			52.0												
20		52.0		52.0	52.5	52.5	54.0	Drive sampler	Jar		Brown gray sand with trace clay, 20 Blows				
				52.5	53.0						27 Blows				
				53.0	53.5						Retain sample				
			54.0	53.5	54.0										
21		54.0		54.0	55.3	54.4	55.3	3' Shelby Tube	Tube	.50	Gray sand with clay seam. 0.1 thick, medium washed away				
				55.3	56.0										
22			58.0	56.0	58.0	57.8	58.0		Tube	2.00	very stiff				
		58.0		58.0	61.3	-	-	Drive sampler			Tan sand very dense. 32blows				
			61.3								42blows. Drive not reliable. Discarded.				
		61.3		61.3	61.5						Washed away				
23	29 MAR			61.5	62.0	61.5	63.5	Drive sampler	Jar		Gray sand, FINE				
				62.0	62.5						12 Blows				
				62.5	63.0						18 Blows				
				63.0	63.5						Retain sample				

BORING LOG

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 Levee District _____
 Job No. 1368

FIELD DATA

Project Neches River Location Neches River Salt Barrier
 Drill Rig Arco 550 #4 Inspector Black Operator Smith Surface Elev. _____
 Natural Ground Elev. _____

LABORATORY DATA

Date 30 March 71 Classified by _____

SAMPLE NUMBER	DATE TAKEN	STRATUM		DRIVE		SAMPLE		TYPE OF SAMPLER	CONTAINER	POCKET PENETROMETER VALUE	CLASSIFICATION AND REMARKS	CLASSIFICATION	SYMBOL	NAT WC %	
		FROM	TO	FROM	TO	FROM	TO								
9	25 Mar			24.5	25.0	24.5	25.3	Drive Sampler	Jar		Seat penetrometer. Gray fine sand with trace clay (SP). 6 Blows				
				25.0	25.5						7 Blows				
				25.5	26.0						Retain sample				
				26.0	26.5										
				26.5	29.5			Fishtail							
10				29.5	30.0	31.0	31.5	Drive sampler	Jar		Seat penetrometer. Gray fine sand (SP)				
				30.0	30.5						14 Blows				
				30.5	31.0						8 Blows				
				31.0	31.5						Retain sample				
			34.0	31.5	34.5			Fishtail							
11		34.0		34.5	35.0	34.7	36.5	Drive sampler	Jar	3.50	Tan sandy clay (CH) very stiff				
				35.0	35.5						8 Blows				
				35.5	36.0						10 Blows				
				36.0	36.5						Retain sample.				
12				36.5	38.3	37.0	38.3	3" Shelby Tube	Tube	4.25	Tan, gray, sandy clay (CH). Hard.				
13	26 Mar			38.3	40.5	39.3	40.5		Tube	2.25	very stiff				
14				40.5	42.5	41.3	42.5		Tube	2.25					
15				42.5	44.5	43.2	44.4		Tube	2.00	small shell pocket @ 44.5				
16				46.0	44.5	46.2	44.8	46.0	Tube	4.50	+ Hard				

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FIELD DATA

Project Neches River Location Neches River Salt Water Barrier
 Drill Rig ARCO 550 #4 Inspector Black Operator Smith Surface Elev. +2.0 MLT

LABORATORY DATA

Date 30 March 71 Classified by _____

SAMPLE NUMBER	DATE TAKEN /97/	STRATUM		DRIVE		SAMPLE		TYPE OF SAMPLER	CONTAINER	POCKET PENETROMETER VALUE	Natural Ground Elev. _____	CLASSIFICATION AND REMARKS	CLASSIFICATION	SYMBOL	NAT WC %	
		FROM	TO	FROM	TO	FROM	TO									
		0.0	2.6									DEPTH OF WATER				
1	Mar 25	2.6		2.6	4.5	3.1	4.4	3" Shelby Tube	Tube	0.0		Gray sandy clay with trace of organic matter, very soft				
2				4.5	6.5	4.5	5.0		Jar			very soft.				
3				6.5	8.5	7.1	8.3		Tube	.25						
4				8.5	10.5	8.5	9.0		Jar	.25						
5				10.5	12.5	12.0	12.5		Jar	0.0						
6			14.1	12.5	14.5	14.0	14.5		Jar	0.0						
7		14.1		14.5	15.0	16.0	16.5	Drive sampler	Jar			Seat penetrometer, Gray fine sand with trace of clay. 1 Blow				
				15.0	15.5							1 Blow				
				15.5	16.0							Retain sample				
				16.0	16.5											
				16.5	19.5			Fishtail								
8				19.5	20.0	19.5	19.7	Drive sampler	Jar			seat penetrometer, Gray fine sand (SP)				
				20.0	20.5							5 Blows				
				20.5	21.0							6 Blows				
				21.0	21.5							Retain sample				
				21.5	24.5			Fishtail								

