Project : Pelican Island Disposal Area
Galveston, Texas
Contract No. DACW64-92-D-0005 Delivery order No. 0023

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 93-198

S #	Depth (ft)	P P (tsf)	SPT Blows per Foot	Visual Classification	U S C	M c (%)	Dry Unit Wt (pcf)	Wet Unit Wt (pcf)	L L (%)	P L (%)	Mechanical Analysis % Passing #4	#10	#40	#100	#200	Torvane Shear Strength (tsf)	q u (tsf)
1	0 - 2	0.00		Gray,Clay,Very soft	CH	59.2										0.08	
2	2 - 4	0.00		Gray,CLay,Very soft,w/hydrocarbon	CH	63.7	60.8	99.5								0.07	0.16
3	4 - 6	0.25		Gray,Clay,Soft	CH	58.6	63.7	101.1	117	42	100.0	100.0	99.9	98.6	98.0	0.20	0.42
4	6 - 8	0.05		Gray,Clay,Medium stiff,w/organic material	CH	37.2										0.25	
5	8 - 9.5		7	Gray,Sand,Loose,Silty,w/shell fragments	SM						100.0	100.0	99.9	81.0	19.1		
6	13 - 14.5		20	Gray,Sand,Medium dense,Silty,w/shell fragments	SM												
7	18 - 19.5		26	Gray,Sand,Medium dense,Silty,w/shell fragments	SM						99.9	99.5	98.6	76.3	21.0		
8	23 - 24.5		7	Gray,Sand,Loose,Silty,w/shell fragments	SM												
9	28 - 29.5		11	Gray,Sand,Medium dense,Silty,w/shell fragments	SM						100.0	100.0	99.7	79.8	21.9		
10	30 - 32	0.00		Gray,Clay,Very soft,w/shell fragments&sand pockets	CH	46.7										0.10	
11	32 - 34	0.00		Gray,Clay,Very soft,w/shell fragments&sand pockets	CH	38.3	82.7	114.4	98	34	100.0	99.4	98.3	94.9	94.4	0.12	0.27
12	34 - 36	0.00		Gray,Clay,Very soft,w/shell fragments&sand pockets	CH	35.7										0.11	
13	36 - 37.5		15	Gray,Sand,Medium dense,Silty,w/shell&shell fragments	SM						95.7*	77.6	46.3	24.9	19.9		
14	41 - 43	0.00		Gray,Clay,Very soft,w/sand pockets	CH	29.3	91.1	117.8	56	22	100.0	100.0	99.4	97.9	97.5	0.10	0.23
15	43.5 - 45	0.25	12	Gray,Clay,Soft	CH	37.2										0.10	
16	45 - 47	0.00		Gray,Clay,Very soft,w/organic material	CH	56.2	65.4	102.1								0.10	0.23
17	47 - 48.5	0.00	WOH	Gray,Clay,Vey soft,w/organic material	CH	62.5											

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classification, M c : Moisture Content
q u : Unconfined Compressive Strength, W O H : Weight of hammer, W O P : Weight of pipe
* : Material Retained are shell fragments

Geotest Engineering, Inc.

Project : Pelican Island Disposal Area
Galveston, Texas
Contract No. DACW64-92-D-0005 Delivery order No. 0023

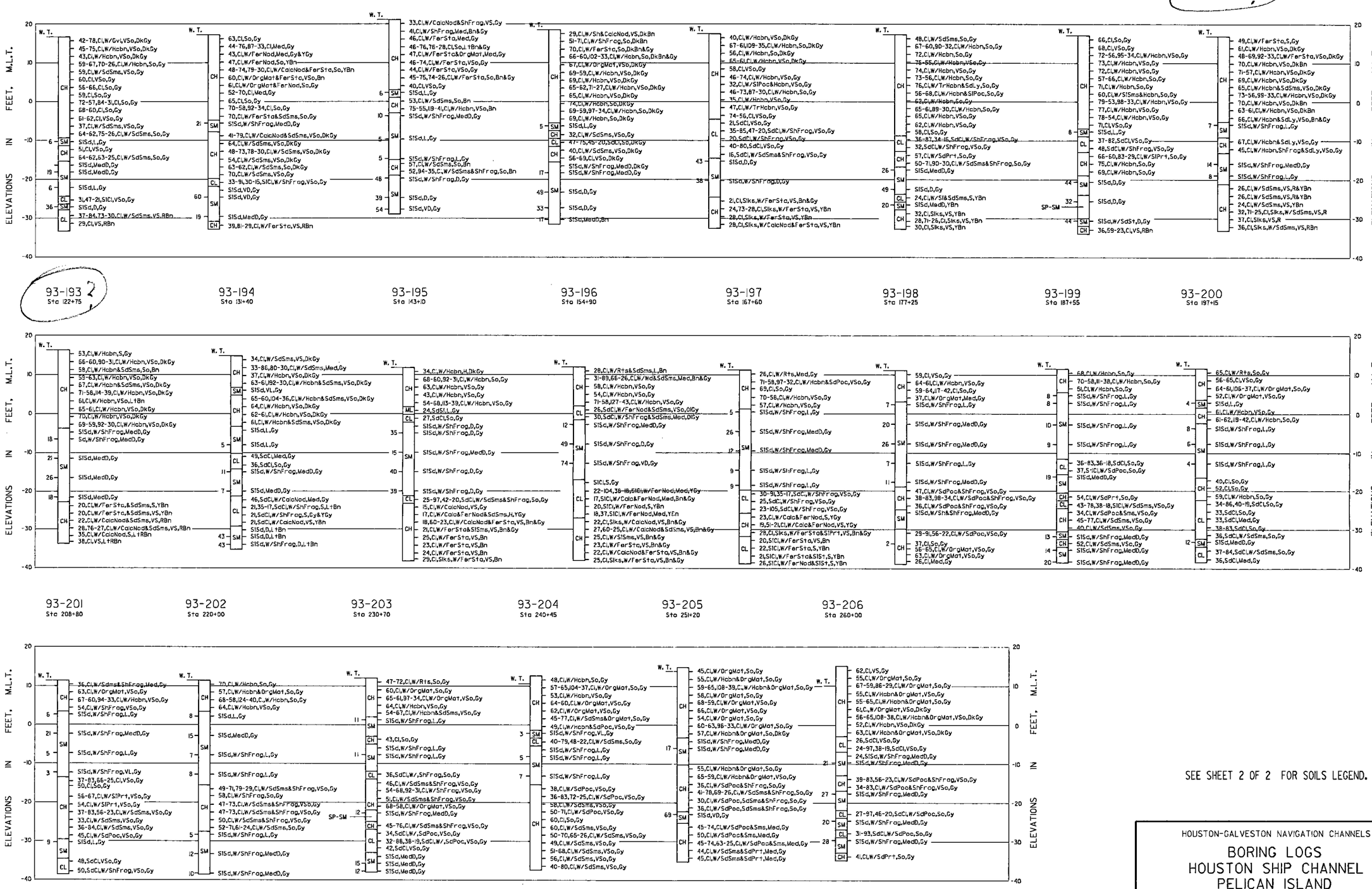
SUMMARY OF LABORATORY TEST RESULTS

Boring No. 93-198

S #	Depth (ft)	P P (tsf)	SPT Blows per Foot	Visual Classification	U S C	M c (%)	Dry Unit Wt (pcf)	Wet Unit Wt (pcf)	L L (%)	P L (%)	Mechanical Analysis % Passing #4	#10	#40	#100	#200	Torvane Shear Strength (tsf)	q u (tsf)
18	48.5 - 50	0.50		Gray,Clay,Medium stiff	CH	25.8										0.25	

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classification, M c : Moisture Content
q u : Unconfined Compressive Strength, W O H : Weight of hammer, W O P : Weight of pipe

Geotest Engineering, Inc.



SEE SHEET 2 OF 2 FOR SOILS LEGEND.

HOUSTON-GALVESTON NAVIGATION CHANNELS

BORING LOGS
HOUSTON SHIP CHANNEL
PELICAN ISLAND

U.S. ARMY ENGINEER DISTRICT, GALVESTON, TEXAS

SHEET 1 OF 2

EXHIBIT F-

Bor. No EL	Depth	Top EL.	V/SO.	SO.	MED	ST.	All in (Psf.)
93-193: 13'	2'-4'	(16.3)	190				
9'	6'-8'		140				
5'	10-12'		110				
1'	14-16'		180				
-3'	18-20'		130				
93-194: 12'	2'-4'	(14.8)			560		
8'	6-8'		150				
4'	10-12'		220				
0'	14-16'		130				
93-195: 9'	2-4'	(11.83)		270			
3'	8-10'		180				
-23'	33'-35			280			
93-196: 9'	2-4'	(11.98) 12			700		
3'	8-10'		120				
-20	31-33				550		
93-197: 8'	2'-4'	(11.23)	150				
4'	6'-8'		200				
-21	31'-33'		150				
-25	35'-37'		180				
93-198: 8'	2'-4'	(11.13)	160				
6'	4'-6'			420			
-22	32'-34'		270				
-31	41'-43'		230				
-35	45'-47'		230				

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11
35