Project: Aransas National Wildlife Refuge along the Gulf Intracoastal Waterway at Aransas National Wildlife Refuge and Welder Flats

Contract No. DACW64-94-C-0052

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 94-193

S #	Depth (ft)	P P (tsf)	SPT Blows per Foot	Visual Classification	U S C	Mc (%)	Dry Unit Wt (pcf)	Wet Unit Wt (pcf)	L L (%)	PL (%)	Mechanical Analysis % Passing #4	#10	#40	#100	#200	Torvane Shear Strength (tsf)	q u (tsf)
1	0-1.5		W.O.P.	Gray,Sand,Very loose,Silty,w/shell fragments	SM						100.0	99.5	98.0	53.8	23.8		
2	2-3.5		W.O.H.	Gray,Sand,Very loose,Silty,w/shell fragments	SM						99.0*	97.9*	95.5*	54.8	22.8		
3	4-5.5		3	Gray,Sand,Very loose,Silty,w/shell fragments	SM						94.5*	92.2*	89.2*	60.3	33.7		
4	6-8	0.50		Olive gray,Clay,Medium stiff,Sandy,w/sand seams & calcareous nodules	CL	27.5	97.0	123.6	36	18	99.7**	98.7*	97.8**	71.3	56.2		
5	8 - 10	1.00		Olive gray,Clay,Stiff,Sandy, w/calcareous nodules	CL	20.3											
6	10 - 12	1.00		Olive gray,Clay,Stiff,Sandy, w/calcareous nodules	CL	24.6	102.7	128.0	27	16	95.9**	95.2*	94.9**	58.6	50.5		
7	12-13.5		11	Olive gray,Sand,Medium dense,Silty	SM												

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classifcation, M c : Moisture Content

q u : Uncogined Compressive Strength, W O H : Weight of hammer, W O P : Weight of Pipe

*: Material retained are shell fragments, **: Material retained are calcareous nodules