



## SUMMARY OF LABORATORY TESTS

Project No. 08.18.918

Client: United States Army Corps of Engineers

Project: Galveston Channel and Pelican Island PA

Contract No. DACW64-03-D-0008, Task Order No. 0077

Boring No.	Sample No.	Depth (ft)	Soil Description	USCS	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plast. Index	Finer than #200 Sieve (%)	Lab Vane (tsf)	Uc/UU. Compr. (tsf)	Failure Strain (%)	Conf. Pres. (psi)	Failure Type
	4	3-4	Gray and brown FAT CLAY	CH	52.7										
	5	4-5	Gray and brown FAT CLAY	CH											
	6	5-6	Gray and brown FAT CLAY	CH	59.7		100	30	70	94.8					
07-171															
	1	0-1	Gray and brown FAT CLAY; organics	CH											
	2	1-2	Gray and brown FAT CLAY with SAND	CH	65.6		100	29	71	70.9					
	3	2-3	Gray and brown FAT CLAY	CH											
	4	3-4	Gray and brown FAT CLAY	CH	53.0		72	25	47	94.2					
	5	4-5	Gray and brown FAT CLAY; silt seams	CH											
	6	5-6	Gray and brown FAT CLAY; silt seams	CH	48.4										
07-174															
	1	0-1	Gray FAT CLAY	CH											
	2	1-2	Gray FAT CLAY; organics	CH	76.9		103	30	73	96.3					
	3	2-3	Gray and brown FAT CLAY	CH											
	4	3-4	Gray and brown FAT CLAY	CH	60.3										
	5	4-5	Gray FAT CLAY	CH											
	6	5-6	Gray FAT CLAY	CH	51.6		102	31	71	96.1					
07-175															
	1	0-1	Tan POORLY GRADED SAND with SILT; shells fragments	SP-SM											
	2	1-2	Tan and gray POORLY GRADED SAND with SILT; shell fragments	SP-SM						9.0					
	3	2-3	Tan and gray POORLY GRADED SAND with SILT; shell fragments	SP-SM											
	4	3-4	Gray POORLY GRADED SAND with SILT; shell fragments	SP-SM						9.6					
	5	4-5	Gray POORLY GRADED SAND with SILT; shell fragments	SP-SM											
	6	5-6	Gray POORLY GRADED SAND; shell fragments	SP						3.8					
07-176															
	1	0-2	Gray FAT CLAY; sand seams	CH											
	2	2-4	Gray FAT CLAY	CH	50.3		69	22	47	96.3					
	3	4-6	Gray FAT CLAY	CH	55.4	65.4									
	4	6-8	Gray FAT CLAY	CH	69.5		115	28	87	99.7					
	4	8-10	Tan and gray FAT CLAY; calcareous nodules	CH	42.8	85.3									
	5	10-12	Tan and gray FAT CLAY	CH	42.4	69.8									
	6	12-14	Gray FAT CLAY; sand seams	CH	80.8	49.8	120	32	88	87.8		0.18	5.7		Slickensided
	7	14-15.5	Tan SILTY SAND	SM						31.8					
	8	19-20.5	Gray SILTY SAND; shell fragments	SM						15.7					
	9	24-25.5	Gray SILTY SAND; shell fragments	SM						18.3					
	10	29-30.5	Gray SILTY SAND	SM						35.7					

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