

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
	6	10-12	Gray FAT CLAY	CH	64.1	60.6									
	7	12-14	Tan and gray FAT CLAY	CH	48.3	69.5	79	24	55	92.8		0.36	3.4		45 degree
	8	14-16	Gray FAT CLAY	CH	63.6	65.0									
	9	16-18	Tan and gray FAT CLAY	CH	59.1	64.5	94	24	70	98.6		0.41	2.0		Slickensided
	10	18-20	Gray and tan FAT CLAY	CH	50.0										
07-185															
	1	0-1	Gray FAT CLAY	CH											
	2	1-2	Gray and tan FAT CLAY	CH	70.1		101	27	74	95.9					
	3	2-3	Gray FAT CLAY	CH											
	4	3-4	Tan and gray FAT CLAY	CH	77.9										
	5	4-5	Tan and gray FAT CLAY	CH											
	6	5-6	Tan and gray FAT CLAY	CH	65.8		94	26	68	99.1					
07-186															
	1	0-1	Tan and gray FAT CLAY	CH											
	2	1-2	Gray and tan FAT CLAY	CH	66.1		70	22	48	96.3					
	3	2-3	Gray and tan FAT CLAY	CH											
	4	3-4	Tan and light gray CLAYEY SAND	SC	33.8		43	18	25	43.3					
	5	4-5	Tan and gray FAT CLAY	CH											
	6	5-6	Gray and tan FAT CLAY	CH	70.1										
07-187															
	1	0-2	Gray and tan FAT CLAY	CH	43.7	73.8									
	2	2-4	Tan and gray FAT CLAY	CH	35.7	82.2									
	3	4-6	Gray FAT CLAY	CH	43.9	75.7	80	24	56	95.1		0.66	4.3		45 degree
	4	6-8	Gray and tan FAT CLAY	CH	44.4	75.0									
	5	8-10	Gray and tan FAT CLAY	CH	52.1	66.3	93	25	68	87.7		0.49	2.2		Slickensided
	6	10-12	Tan and light gray FAT CLAY	CH	36.3	81.2									
	7	12-14	Tan and light gray FAT CLAY	CH	33.9	84.8									
	8	14-16	Gray and tan FAT CLAY with SAND	CH	19.3	95.4	58	20	38	74.2		0.81	4.5		45 degree
	9	16-18	Gray and tan FAT CLAY with SAND	CH	18.4	109.6									
	10	18-20	Tan and light gray FAT CLAY	CH	35.4	87.3	64	21	43	92.0		0.84	8.1		Multiple shear
	11	20-22	Tan and light gray FAT CLAY; calcareous nodules	CH	31.5	88.6									
	12	22-24	Gray and tan FAT CLAY	CH	46.2	69.4									
	13	24-26	Dark gray and tan FAT CLAY	CH	54.5	66.7	107	28	79	98.7		0.89	2.2		Slickensided
	14	26-27.5	Gray and tan SANDY LEAN CLAY	CL	39.9										
	15	27-29.5	Gray and tan SILTY SAND	SM						40.9					
	16	32-34	Gray SILTY SAND	SM						29.9					
	17	34-36	Gray CLAYEY SAND	SC	29.6		27	15	12	46.5					

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