

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
	11	30.5-32	Gray FAT CLAY	CH	59.3	43.1									
	12	32-34	Gray FAT CLAY; sand seams	CH	45.6	74.4									
	13	34-36	Gray SANDY FAT CLAY	CH	47.0	70.1	63	21	42	69.4		0.36	13.9	21.0	Bulge
	14	36-38	Gray FAT CLAY; sand seams	CH	49.9	70.2									
	15	38-40	Gray SANDY LEAN CLAY	CL	30.9		41	21	20	51.8					
	16	40-42	Gray FAT CLAY; sand seams	CH	42.5	75.8									
	17	42-44	Gray FAT CLAY; sand seams and pockets	CH	36.0	79.3									
	18	44-46	Gray FAT CLAY; sand seams	CH	50.7	69.5	50	20	30	96.2		0.30	6.4	25.0	Bulge
	19	46-48	Gray FAT CLAY; sand seams	CH	47.9	70.5									
	20	48-50	Gray SILTY CLAYEY SAND	SC-SM	24.1	88.2									
07-177															
	1	0-1	Brown and gray FAT CLAY	CH											
	2	1-2	Gray FAT CLAY	CH	84.8		106	33	73	99.5					
	3	2-3	Brown and gray FAT CLAY	CH											
	4	3-4	Brown and gray FAT CLAY	CH	77.9		116	32	84	99.1					
	5	4-5	Gray FAT CLAY	CH											
	6	5-6	Gray FAT CLAY	CH	56.6										
07-178															
	1	0-2	Gray and brown FAT CLAY	CH	30.6	83.3	92	25	67	97.4		1.44	3.0		Slickensided
	2	2-4	Gray and brown FAT CLAY	CH	42.9	74.5									
	3	4-6	Gray and brown FAT CLAY	CH	44.4	71.7	92	25	67	98.2		0.39	2.7		Slickensided
	4	6-8	Gray and brown FAT CLAY	CH	54.5	63.3									
	5	8-10	Gray FAT CLAY	CH	52.6	66.3									
	6	10-12	Gray FAT CLAY; calcareous nodules	CH	31.1	85.2									
	7	12-14	Reddish-brown and gray FAT CLAY with SAND; shell fragments	CH	33.1	85.0	62	22	40	80.8		0.57	4.7		60 degree
	8	14-16	Reddish-brown and gray FAT CLAY	CH	30.7	87.6									
	9	16-18	Reddish-brown and gray FAT CLAY; shell fragments	CH	28.9	91.5									
	10	18-20	Reddish-brown and gray FAT CLAY	CH	30.5		83	25	58	96.4					
07-180															
	1	0-1	Gray FAT CLAY; organics	CH											
	2	1-2	Gray FAT CLAY	CH	69.3		102	32	70	98.8					
	3	2-3	Gray FAT CLAY	CH											
	4	3-4	Gray FAT CLAY	CH	127.6										
	5	4-5	Gray FAT CLAY	CH											
	6	5-6	Gray FAT CLAY	CH	62.6		95	30	65	99.2					
07-181															

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