

BORING LOG			DISTRICT	INSTALLATION		SHEET 1 OF 1 SHEETS								
1. PROJECT Galveston Channel and Pelican Island PA				7. ELEVATION OF HOLE										
2. LOCATION (Coordinates or Station) N=13695617 E=3301665				8. DATUM FOR ELEVATION										
3. DRILLING AGENCY Dempsey (Geotest Engineering, Inc.)				9. ELEVATION OF GROUNDWATER ▽ TOD: ▼ 24-HR:										
4. LABORATORY TESTING AGENCY Tolunay-Wong Engineers, Inc.				10. DRILLING DATE and TIME STARTED: COMPLETED:										
5. DEPTH OF WATER ▽ TOD: ▼ 24-HR:				11. CLASSIFICATION REFERENCE										
6. DEPTH OF HOLE 6 ft				12. ENGINEER										
DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE	NUMBER	RECOVERY (%)	SPT (N)	PENETROMETER (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	FINES CONTENT (% <200)
5			FAT CLAY(CH) , gray -w/ sand seams @ 0' - 2' -w/ organics @ 0' - 3' -gray & brown below 1'		1					67.0	94	27	67	98.2
					2									
					3									
					4									
					5									
					6									
10														
15														
20														
25														
30														

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
	2	1-2	Gray FAT CLAY	CH	116.0		124	36	88	98.3					
	3	2-3	Gray FAT CLAY	CH											
	4	3-4	Gray FAT CLAY	CH	56.7		122	30	92	98.1					
	5	4-5	Gray FAT CLAY	CH											
	6	5-6	Gray FAT CLAY	CH	84.6										
07-166															
	1	0-1	Tan SILTY SAND	SM											
	2	1-2	Gray SILTY SAND	SM						27.3					
	3	2-3	Gray SILTY SAND	SM											
	4	3-4	Gray SILTY SAND	SM											
	5	4-5	Gray FAT CLAY; sand seams	CH	72.2		77	25	52	89.4					
	6	5-6	Gray FAT CLAY	CH											
07-167															
	1	0-1	Gray and brown FAT CLAY	CH											
	2	1-2	Brown and gray FAT CLAY	CH	69.3		109	30	79	97.3					
	3	2-3	Gray and brown FAT CLAY	CH											
	4	3-4	Gray and brown FAT CLAY	CH	61.9		101	29	72	98.0					
	5	4-5	Gray and brown FAT CLAY	CH											
	6	5-6	Gray and brown FAT CLAY	CH	61.0										
07-168															
	1	0-1	Reddish-brown and gray FAT CLAY	CH											
	2	1-2	Gray FAT CLAY	CH	89.2		118	31	87	95.2					
	3	2-3	Gray FAT CLAY	CH											
	4	3-4	Gray FAT CLAY	CH	79.1										
	5	4-5	Gray FAT CLAY	CH											
	6	5-6	Gray FAT CLAY; shell fragments	CH	73.9		101	30	71	92.3					
07-169															
	1	0-1	Gray FAT CLAY	CH											
	2	1-2	Gray FAT CLAY	CH	100.7		113	32	81	97.7					
	3	2-3	Gray and brown FAT CLAY	CH											
	4	3-4	Gray and brown FAT CLAY	CH	72.9		97	30	67	96.0					
	5	4-5	Gray FAT CLAY	CH											
	6	5-6	Gray FAT CLAY	CH	76.5										
07-170															
	1	0-1	Gray FAT CLAY; organics	CH											
	2	1-2	Gray and brown FAT CLAY; organics	CH	67.0		94	27	67	98.2					
	3	2-3	Gray and brown FAT CLAY; organics	CH											

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TOLUNAY-WONG ENGINEERS, INC.



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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