

JET PROBE LOG				
PROJECT: Galveston County		JET PROBE: GCJP-04-23		
COORDINATES: N = 13596859 E = 3213179	DATE: 05/05/04 START TIME: 1622 END TIME: 1632	WATER DEPTH: 10.6 FT TOP DIVER: KW BOTTOM DIVER: JC		
NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20.0' PENETRATION DEPTH: 15' JET PUMP TYPE: BRIGGS & STRATON 3.0 HP GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-10.6	0		SEA FLOOR
SUPPORT VESSEL: Aqua Quest POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"		1		SAND
WEATHER: WIND: DIR: SOUTHEAST SPEED: 10 Kt WAVES: DIR: SOUTHEAST HEIGHT: 1 to 2 Ft. CURRENT: DIR: EAST SPEED: SLIGHT		2		
		3		
		4		
		5		
		6		
SAND SAMPLES BOTTOM: Mean (mm): 0.14, 2.02% Silt, Phi Sorting: 0.52 Munsell Color: Wet 5Y-4/2, Dry 5Y-7/1		7		
		8		
		9		
		10		
		11		
	-24.6	12		
		13		
	-25.6	14		CLAY, Stiff
		15		Refusal @ 15.0' Resistant Clay Layer
		16		
		17		
		18		
		19		
		20		
		21		
		22		
		23		
		24		
TURBIDITY: TOP (0.0' - 7.5'): Low BOTTOM: (7.5' - 15.0'): Mod - High				
DRAWN BY: KW JOB NO: 2600.02	CHECKED BY: MDA / JLA			

Gradation Analysis Report

Project Name: Galveston Jet Probes

Sample Name: GCJP-04-23 Bot

Sample Date: 5/5/2004

Analyzed By: ID



Coastal Planning & Engineering, Inc.

2481 N.W. Boca Raton Blvd.
Boca Raton, FL 33431

Easting: 3213179	Northing: 13596859	Coordinate System: State Plane 1983 TX SC Feet	Elevation: N/A
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USCS: SP	Dry Munsel: 5Y-7/1	Wet Munsel: 5Y-4/2	Comments:
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Dry Weight: 77.6	Wash Weight: 76.17	Sieve Loss: 0.02	Percent Silt: 2.02	Estimated Percent Shell Content: 3.67
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Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained
3/4	-4.25	19.02	0.00	0.00	0.00	0.00
5/8	-4.00	16.00	0.00	0.00	0.00	0.00
5/16	-3.25	9.51	0.00	0.00	0.00	0.00
4	-3.00	8.00	0.00	0.00	0.00	0.00
5	-2.00	4.00	0.00	0.00	0.00	0.00
7	-1.50	2.82	0.00	0.00	0.00	0.00
10	-1.00	2.00	0.11	0.14	0.11	0.14
14	-0.50	1.41	0.26	0.34	0.37	0.48
18	0.00	1.00	0.43	0.55	0.80	1.03
25	0.50	0.70	0.77	0.99	1.57	2.02
35	1.00	0.50	0.81	1.04	2.38	3.07
45	1.50	0.35	0.56	0.72	2.94	3.79
60	2.00	0.25	0.49	0.63	3.43	4.42
80	2.50	0.17	3.88	5.00	7.31	9.42
120	3.00	0.12	44.95	57.93	52.26	67.35
170	3.50	0.08	20.60	26.55	72.86	93.89
200	3.75	0.07	2.49	3.21	75.35	97.10
230	4.00	0.06	0.68	0.88	76.03	97.98
Pan	Pan	Pan	1.55	2.00	77.58	99.97
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
2.06	2.56	2.63	2.85	3.14	3.31	3.59
Statistics	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Graphic	2.87	0.14	0.42	0.07	1.23	
Moment	2.88	0.14	0.52	-0.17	1.78	

