

JET PROBE LOG

PROJECT: Galveston County

JET PROBE: GCJP-04-22

COORDINATES:

N = 13624499

E = 3248532

DATE: 05/05/04

START TIME: 1450

END TIME: 1458

WATER DEPTH: 26.8 FT

TOP DIVER: KW

BOTTOM DIVER: JC

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20.0' PENETRATION DEPTH: 12.0' JET PUMP TYPE: BRIGGS & STRATON 3.0 HP GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-26.8	0		SEA FLOOR
		1		SAND
		2		
		3		
SUPPORT VESSEL: Aqua Quest POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"		4		
		5		
		6		SAND, some Silt, some Shell
		7		
WEATHER: WIND: DIR: SOUTHEAST SPEED: 10 Kt WAVES: DIR: SOUTHEAST HEIGHT: 1 to 2 Ft.		8		
		9		
		10		
	-37.8	11		
CURRENT: DIR: EAST SPEED: MODERATE	-38.8	12		CLAY, Stiff
		13		
		14		
		15		
SAND SAMPLES BOTTOM: Mean (mm): 0.30, 48.08% Silt, Phi Sorting: 3.10 Munsell Color: Wet 5Y-4/2, Dry 5Y-5/1		16		
		17		
		18		
		19		
TURBIDITY: TOP (0.0' - 6.0'): Moderate BOTTOM: (6.0' - 12.0'): Moderate		20		
		21		
		22		
		23		
DRAWN BY: KW JOB NO: 2600.02		24		
				Refusal @ 12.0' Resistant Clay Layer

Gradation Analysis Report

Project Name: Galveston Jet Probes

Sample Name: GCJP-04-22 Bot

Sample Date: 5/5/2004

Analyzed By: ID



Coastal Planning & Engineering, Inc.

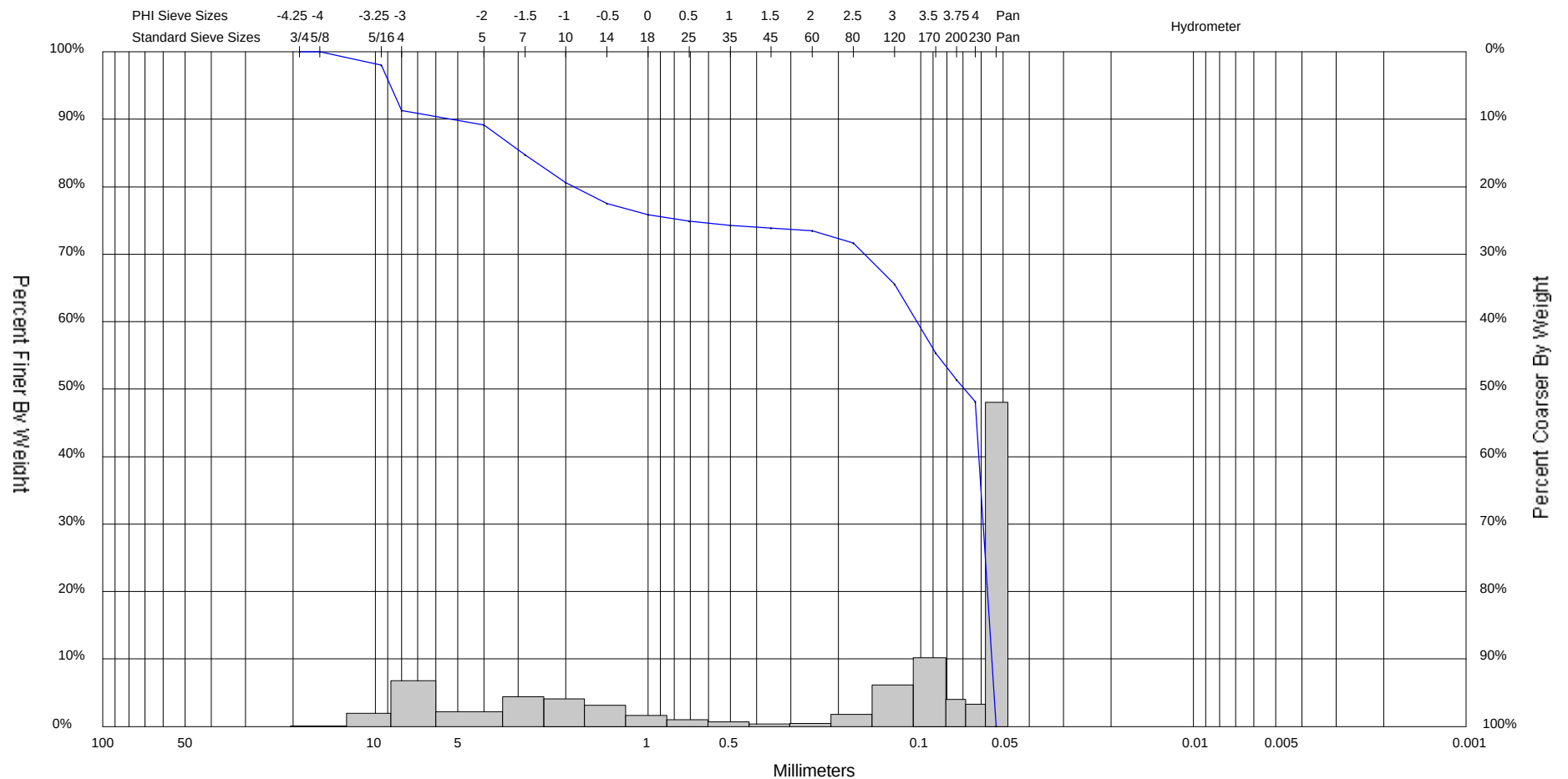
2481 N.W. Boca Raton Blvd.
Boca Raton, FL 33431

Easting: 3248532	Northing: 13624499	Coordinate System: State Plane 1983 TX SC Feet	Elevation: N/A
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USCS: ML	Dry Munsel: 5Y-5/1	Wet Munsel: 5Y-4/2	Comments:
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Dry Weight: 48.15	Wash Weight: 25.41	Sieve Loss: 0.01	Percent Silt: 48.08	Estimated Percent Shell Content: 25.57
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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	0.94	1.95	0.94	1.95
4	-3.00	8.00	3.25	6.75	4.19	8.70
5	-2.00	4.00	1.05	2.18	5.24	10.88
7	-1.50	2.82	2.12	4.40	7.36	15.29
10	-1.00	2.00	1.98	4.11	9.34	19.40
14	-0.50	1.41	1.50	3.12	10.84	22.51
18	0.00	1.00	0.79	1.64	11.63	24.15
25	0.50	0.70	0.47	0.98	12.10	25.13
35	1.00	0.50	0.31	0.64	12.41	25.77
45	1.50	0.35	0.17	0.35	12.58	26.13
60	2.00	0.25	0.21	0.44	12.79	26.56
80	2.50	0.17	0.85	1.77	13.64	28.33
120	3.00	0.12	2.94	6.11	16.58	34.43
170	3.50	0.08	4.91	10.20	21.49	44.63
200	3.75	0.07	1.93	4.01	23.42	48.64
230	4.00	0.06	1.58	3.28	25.00	51.92
Pan	Pan	Pan	23.14	48.06	48.14	99.98
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
-3.14	-1.41	0.43	3.85	4.12	4.17	4.22
Statistics	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Graphic	1.54	0.34	2.51	-1.18	0.82	
Moment	1.75	0.30	3.10	-0.55	1.44	



Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev.	Comments	USCS	% Silt	Median	Mean	Skew	Kurt	Sort	Sample Information	
GCJP-04-22 Bot		N/A		ML	48.08	0.07	0.30	-0.55	1.44	3.10	Project Name:	Galveston Jet Probes
Incremental % Weight		N/A	Use Left Hand Scale								Collection Date:	5/5/2004
											Analyzed By:	ID
				Coastal Planning & Engineering, Inc. 2481 N.W. Boca Raton Blvd. Boca Raton, FL 33431 ph 561 391-8102								