

JET PROBE LOG				
PROJECT: Galveston County			JET PROBE: GCJP-04-07	
COORDINATES: N = 13683623 E = 3334952	DATE: 04/15/04 START TIME: 1418 END TIME: 1422		WATER DEPTH: 21.8 FT TOP DIVER: KW BOTTOM DIVER: RM	
NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20.0' PENETRATION DEPTH: 20.0' JET PUMP TYPE: BRIGGS & STRATON 3.0 HP GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-21.8	0		SEA FLOOR
SUPPORT VESSEL: Aqua Quest POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"		1		
WEATHER: WIND: DIR: SOUTHWEST SPEED: 10 to 15 Kt WAVES: DIR: SOUTHWEST HEIGHT: 1 to 3 Ft. CURRENT: DIR: SOUTH SPEED: MODERATE		2		
		3		
		4		
		5		
		6		
		7		
		8		
		9		
		10		SAND
		11		
SAND SAMPLES TOP: Mean (mm): 0.16, 1.29% Silt, Phi Sorting: 0.59 Munsell Color: Wet 2.5Y-5/4, Dry 5Y-6/3 BOTTOM: Mean (mm): 0.12, 6.41% Silt, Phi Sorting: 0.65 Munsell Color: Wet 5Y-4/1, Dry 5Y-6/2		12		
		13		
		14		
		15		
		16		
		17		
		18		
		19		
		20		
		-41.8	21	
TURBIDITY: TOP (0.0' - 10.0'): Moderate BOTTOM: (10.0' - 20.0'): Moderate		22		
DRAWN BY: KW JOB NO: 2600.02	CHECKED BY: MDA / JLA	23		
		24	No Refusal	

Gradation Analysis Report

Project Name: Galveston Jet Probes

Sample Name: GCJP-04-07 Top

Sample Date: 4/15/2004

Analyzed By: ID



Coastal Planning & Engineering, Inc.

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

Easting: 3334952	Northing: 13683623	Coordinate System: State Plane 1983 TX SC Feet	Elevation: N/A
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USCS: SP	Dry Munsel: 5Y-6/3	Wet Munsel: 2.5Y-5/4	Comments:
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Dry Weight: 81.68	Wash Weight: 80.68	Sieve Loss: 0.01	Percent Silt: 1.29	Estimated Percent Shell Content: 3.03
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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	0.22	0.27	0.22	0.27
10	-1.00	2.00	0.18	0.22	0.40	0.49
14	-0.50	1.41	0.41	0.50	0.81	0.99
18	0.00	1.00	0.64	0.78	1.45	1.78
25	0.50	0.70	0.77	0.94	2.22	2.72
35	1.00	0.50	0.81	0.99	3.03	3.71
45	1.50	0.35	0.72	0.88	3.75	4.59
60	2.00	0.25	1.83	2.24	5.58	6.83
80	2.50	0.17	12.56	15.38	18.14	22.21
120	3.00	0.12	49.91	61.10	68.05	83.31
170	3.50	0.08	11.72	14.35	79.77	97.66
200	3.75	0.07	0.74	0.91	80.51	98.57
230	4.00	0.06	0.12	0.15	80.63	98.71
Pan	Pan	Pan	1.04	1.27	81.67	99.99
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
1.59	2.3	2.52	2.73	2.93	3.02	3.41

Statistics	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis
Graphic	2.61	0.16	0.46	-0.55	1.82
Moment	2.64	0.16	0.59	-0.56	2.27

Gradation Analysis Report

Project Name: Galveston Jet Probes

Sample Name: GCJP-04-07 Bot

Sample Date: 4/15/2004

Analyzed By: ID



Coastal Planning & Engineering, Inc.

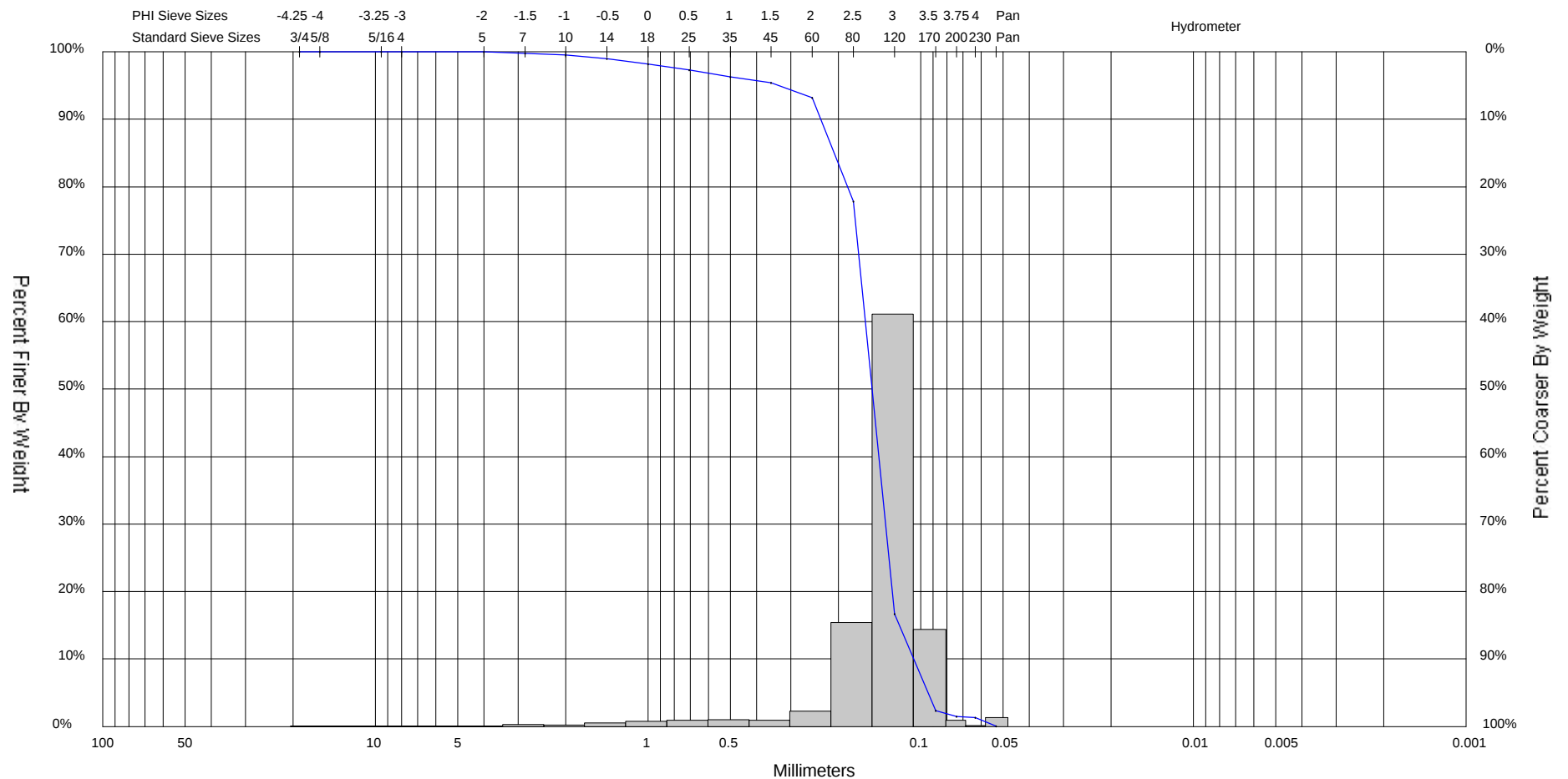
2481 N.W. Boca Raton Blvd.
Boca Raton, FL 33431

Easting: 3334952	Northing: 13683623	Coordinate System: State Plane 1983 TX SC Feet	Elevation: N/A
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USCS: SW-SM	Dry Munsel: 5Y-6/2	Wet Munsel: 5Y-4/1	Comments:
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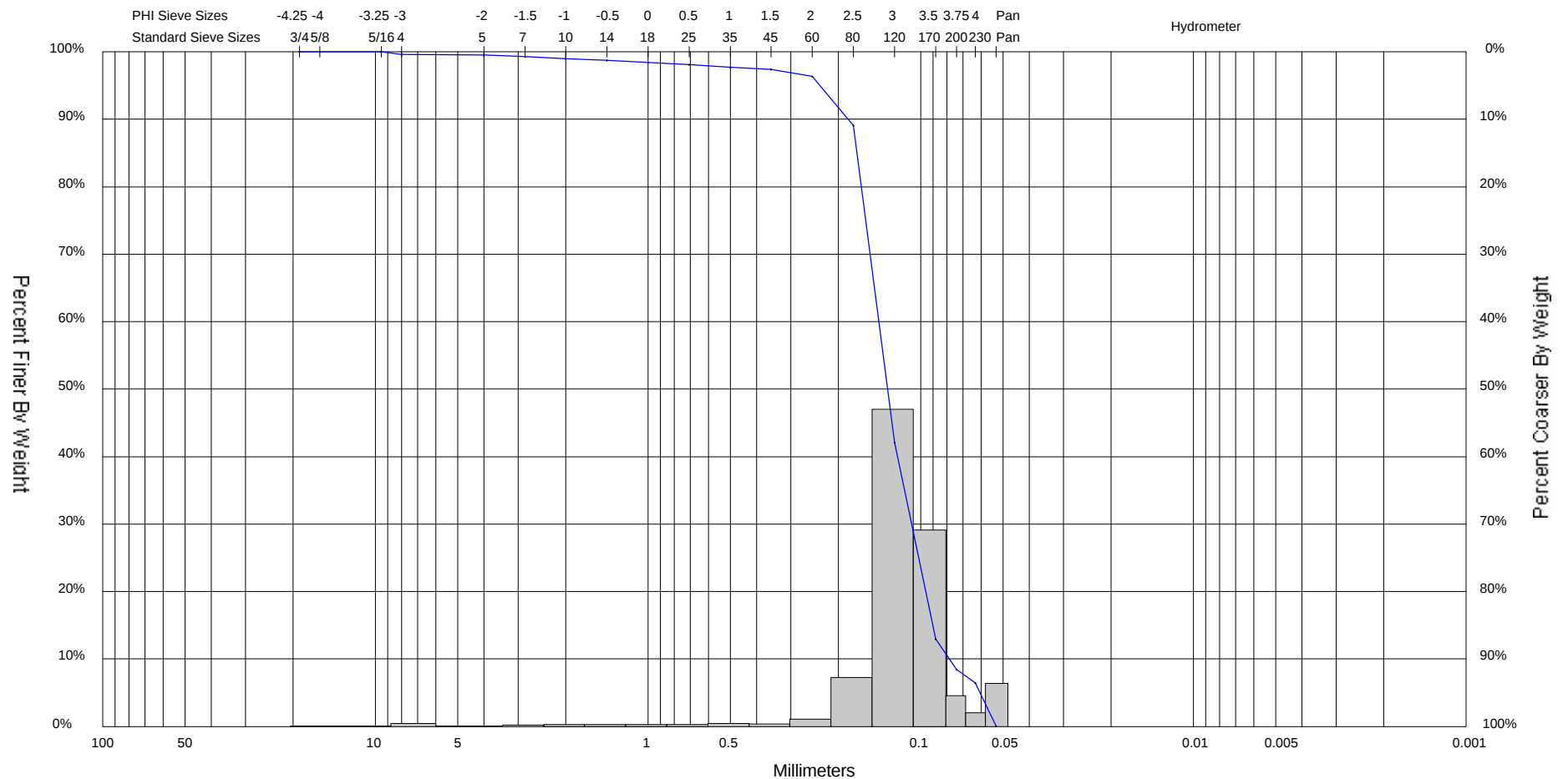
Dry Weight: 75.8	Wash Weight: 71.47	Sieve Loss: 0.02	Percent Silt: 6.41	Estimated Percent Shell Content: 2.03
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Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained
3/4	-4.25	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	0.33	0.44	0.33	0.44
5	-2.00	4.00	0.02	0.03	0.35	0.46
7	-1.50	2.82	0.17	0.22	0.52	0.69
10	-1.00	2.00	0.23	0.30	0.75	0.99
14	-0.50	1.41	0.24	0.32	0.99	1.31
18	0.00	1.00	0.21	0.28	1.20	1.58
25	0.50	0.70	0.21	0.28	1.41	1.86
35	1.00	0.50	0.31	0.41	1.72	2.27
45	1.50	0.35	0.28	0.37	2.00	2.64
60	2.00	0.25	0.79	1.04	2.79	3.68
80	2.50	0.17	5.47	7.22	8.26	10.90
120	3.00	0.12	35.62	46.99	43.88	57.89
170	3.50	0.08	22.07	29.12	65.95	87.01
200	3.75	0.07	3.48	4.59	69.43	91.60
230	4.00	0.06	1.51	1.99	70.94	93.59
Pan	Pan	Pan	4.84	6.39	75.78	99.97
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
2.09	2.55	2.65	2.92	3.29	3.45	4.06
Statistics	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Graphic	3.01	0.12	0.52	0.30	1.25	
Moment	3.00	0.12	0.65	0.24	1.86	



Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev.	Comments	USCS	% Silt	Median	Mean	Skew	Kurt	Sort	Sample Information	
GCJP-04-07 Top		N/A		SP	1.29	0.15	0.16	-0.56	2.27	0.59	Project Name:	Galveston Jet Probes
Incremental % Weight		N/A	Use Left Hand Scale								Collection Date:	4/15/2004
											Analyzed By:	ID
				Coastal Planning & Engineering, Inc. 2481 N.W. Boca Raton Blvd. Boca Raton, FL 33431 ph 561 391-8102								



Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev.	Comments	USCS	% Silt	Median	Mean	Skew	Kurt	Sort	Sample Information	
GCJP-04-07 Bot		N/A		SW-SM	6.41	0.13	0.12	0.24	1.86	0.65	Project Name:	Galveston Jet Probes
Incremental % Weight		N/A	Use Left Hand Scale								Collection Date:	4/15/2004
											Analyzed By:	ID
				Coastal Planning & Engineering, Inc. 2481 N.W. Boca Raton Blvd. Boca Raton, FL 33431 ph 561 391-8102 fax 561 391-9116							Easting (X):	3334952
											Northing (Y):	13683623
											Horizontal System:	State Plane 1983 TX SC Feet
											Vertical System:	NAVD 1988 Feet