

JET PROBE LOG

PROJECT: Collier County

JET PROBE: CCJP-02-27

COORDINATES:

N = 655673

E = 370319

DATE: 12/19/02

START TIME: 0843

END TIME: 0852

WATER DEPTH: 27.5 FT

TOP DIVER: TP

BOTTOM DIVER: MDA

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20.0'	-27.5	0		SEA FLOOR
PENETRATION DEPTH: 8.0'		1		
JET PUMP TYPE: BRIGGS & STRATON 3.0 HP		2		Fine Sand trace Shell Hash
GAL/HR: 8460	-30.5	3		
DIAMETER OF PIPE: 1.5"		4		Shell Hash
SUPPORT VESSEL: CPE II	-31.5	5		
POSITIONING: DIFFERENTIAL GPS USCG BEACON		6		Sand some Shell Hash
NAVIGATION SYSTEM: "HYPACK"	-33.5	7		
WEATHER:		8		Sand with Shell Fragments
WIND:	-35.5	9		
DIR: SOUTHEAST	-35.8	10		Rock
SPEED: 10 Kt		11		
WAVES:		12		Refusal @ 8.0'
DIR: SE		13		
HEIGHT: 0 - 1 Ft.		14		
CURRENT:		15		
DIR: SOUTHEAST		16		
SPEED: Slight		17		
SAND SAMPLES		18		
TOP: 0.20 mm (visual estimate)		19		
Munsell Color: Wet 5Y-5/1 Dry 5Y-6/2		20		
MID: 0.37 mm, Silt: 2.57%, Shell: 32%		21		
Munsell Color: Wet 5Y-5/1 Dry 5Y-7/1		22		
BOTTOM: 0.40 mm (visual estimate)		23		
Munsell Color: Wet 5Y-6/1 Dry 5Y-6/2		24		
TURBIDITY:		25		
TOP (0' - 4.0'): Low		26		
BOTTOM: (4.0' - 8.0'): Low		27		
DRAWN BY: JB	CHECKED BY: MDA / JLA	28		
JOB NO: 8500.04		29		

Gradation Analysis Report

Project Name: Collier County

Sample Name: CCJP-02-27 MID

Sample Date: 12/18/02

Analyzed By: ID



Coastal Planning & Engineering, Inc.

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

Easting:	370319	Northing:	655672	Coordinate System:	State Plane 1983 FL East Feet	Elevation:	N/A
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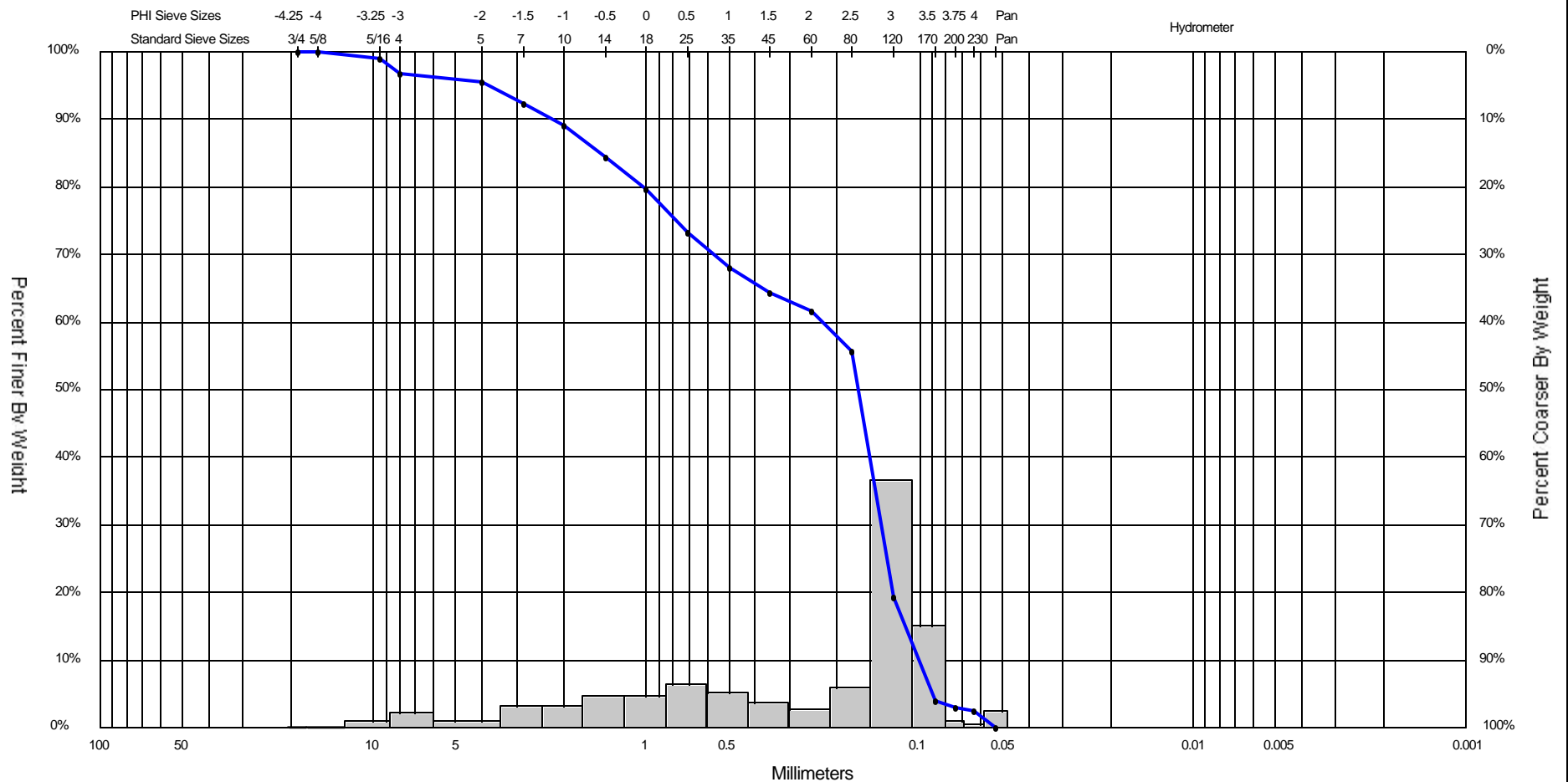
USCS:	Dry Munsel:	Wet Munsel:	Comments:
SW	5Y-7/1	5Y-5/1	See logs for estimated % shell content

Dry Weight:	Wash Weight:	Sieve Loss:	Percent Silt:	Estimated Percent Shell Content:
85.68	83.57	0.01	2.57	N/A




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	0.82	0.96	0.82	0.96
4	-3.00	8.00	2.00	2.33	2.82	3.29
5	-2.00	4.00	0.94	1.10	3.76	4.39
7	-1.50	2.82	2.73	3.19	6.49	7.57
10	-1.00	2.00	2.84	3.31	9.33	10.89
14	-0.50	1.41	4.10	4.79	13.43	15.67
18	0.00	1.00	3.95	4.61	17.38	20.28
25	0.50	0.70	5.50	6.42	22.88	26.70
35	1.00	0.50	4.49	5.24	27.37	31.94
45	1.50	0.35	3.17	3.70	30.54	35.64
60	2.00	0.25	2.35	2.74	32.89	38.39
80	2.50	0.17	5.00	5.84	37.89	44.22
120	3.00	0.12	31.30	36.53	69.19	80.75
170	3.50	0.08	13.00	15.17	82.19	95.93
200	3.75	0.07	0.90	1.05	83.09	96.98
230	4.00	0.06	0.39	0.46	83.48	97.43
Pan	Pan	Pan	2.19	2.56	85.67	99.99

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
-1.9	-0.46	0.37	2.58	2.92	3.11	3.47

Statistics	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis
Graphic	1.36	0.39	1.71	-0.93	0.86
Moment	1.44	0.37	2.10	-0.50	1.47



Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev.	Comments	USCS	% Silt	Median	Mean	Skew	Kurt	Sort	Sample Information	
CCJP-02-27 MID		N/A		SW	2.57	0.17	0.37	-0.50	1.47	2.10	Project Name:	Collier County
Incremental % Weight		N/A	Use Left Hand Scale								Collection Date:	12/18/02
											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):	370319
											Northing (Y):	655672
											Horizontal System:	State Plane 1983 FL East Feet
											Vertical System:	N/A