

JET PROBE LOG

PROJECT: Collier County

JET PROBE: CCJP-02-03

COORDINATES:

N = 596639

E = 407928

DATE: 12/16/02

START TIME: 1530

END TIME: 1540

WATER DEPTH: 9.8 FT

TOP DIVER: TP

BOTTOM DIVER: JB

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20.0'	-9.8	0		SEA FLOOR
PENETRATION DEPTH: 14.0'		1		
JET PUMP TYPE: BRIGGS & STRATON 3.0 HP		2		Fine Sand
GAL/HR: 8460		3		
DIAMETER OF PIPE: 1.5"	-12.8	4		
SUPPORT VESSEL: CPE II		5		
POSITIONING: DIFFERENTIAL GPS USCG BEACON		6		
NAVIGATION SYSTEM: "HYPACK"		7		
WEATHER:		8		
WIND:		9		
DIR: NORTH		10		
SPEED: 10-15 Kt.		11		
WAVES:		12		
DIR: NORTHEAST		13		
HEIGHT: 1 to 3 Ft.		14		
CURRENT:		15		
DIR: N/A		16		
SPEED: N/A		17		
SAND SAMPLES	-23.8	18		
TOP: 0.40 mm (visual estimate)		19		
Munsell Color: Wet 5Y-6/1 Dry 5Y-7/1		20		
MID: 0.42 mm, Silt: 1.33%, Shell: 31%		21		
Munsell Color: Wet 5Y-6/1, Dry 5Y-7/1		22		
BOTTOM: 0.50 mm (visual estimate)		23		
Munsell Color: Wet 5Y-6/1, Dry 5Y-7/1		24		
TURBIDITY:				
TOP (0' - 7'): Low				
BOTTOM (7' - 14'): Low				
DRAWN BY: JB	CHECKED BY: MDA / JLA			
JOB NO: 8500.04				

Gradation Analysis Report

Project Name: Collier County

Sample Name: CCJP-02-03 MID

Sample Date: 01/04/03

Analyzed By: ID



Coastal Planning & Engineering, Inc.

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

Easting:	407929	Northing:	596639	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-6/1	See logs for estimated % shell content

Dry Weight:	Wash Weight:	Sieve Loss:	Percent Silt:	Estimated Percent Shell Content:
85.86	84.74	0.01	1.33	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	1.09	1.27	1.09	1.27
4	-3.00	8.00	0.60	0.70	1.69	1.97
5	-2.00	4.00	0.45	0.52	2.14	2.49
7	-1.50	2.82	1.93	2.25	4.07	4.74
10	-1.00	2.00	3.10	3.61	7.17	8.35
14	-0.50	1.41	4.88	5.68	12.05	14.03
18	0.00	1.00	5.74	6.69	17.79	20.72
25	0.50	0.70	7.32	8.53	25.11	29.25
35	1.00	0.50	7.40	8.62	32.51	37.86
45	1.50	0.35	8.33	9.70	40.84	47.57
60	2.00	0.25	8.26	9.62	49.10	57.19
80	2.50	0.17	10.51	12.24	59.61	69.43
120	3.00	0.12	19.86	23.13	79.47	92.56
170	3.50	0.08	4.84	5.64	84.31	98.19
200	3.75	0.07	0.30	0.35	84.61	98.54
230	4.00	0.06	0.11	0.13	84.72	98.67
Pan	Pan	Pan	1.13	1.32	85.85	99.99

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
-1.46	-0.35	0.25	1.63	2.62	2.82	3.22

Statistics	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis
Graphic	1.17	0.44	1.50	-0.38	0.81
Moment	1.24	0.42	1.79	-0.31	1.39

