

# JET PROBE LOG

**PROJECT:** Collier County

**JET PROBE:** CCJP-02-09

**COORDINATES:**

N = 660706

E = 331035

**DATE:** 12/17/02

**START TIME:** 1245

**END TIME:** 1253

**WATER DEPTH:** 37.0 FT

**TOP DIVER:** JB

**BOTTOM DIVER:** ML

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20.0' PENETRATION DEPTH: 3.0' JET PUMP TYPE: BRIGGS & STRATON 3.0 HP GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-37	0		SEA FLOOR
	-38	1		Silty Sand
	-40	2		Fine Sand with Shell Hash/Shell Fragments
	-40.3	3		Rock
		4		Refusal @ 3.0'
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"		5		
WEATHER:  WIND: DIR: EAST SPEED: 5 - 10 Kt.  WAVES: DIR: EAST HEIGHT: 1 to 2 Ft.  CURRENT: DIR: N/A SPEED: N/A		6		
SAND SAMPLES  TOP: 0.17 mm (visual estimate) Munsell Color: Wet 5Y-6/1 Dry 5Y-7/1  MID: N/A Munsell Color: N/A  BOTTOM: 0.17 mm, Silt: 3.2%, Shell: 2% Munsell Color: Wet 5Y-6/1 Dry 5Y-7/1		7		
		8		
		9		
		10		
		11		
TURBIDITY: TOP (0' - 2.0'): High BOTTOM: (2.0' - 3.0'): Moderate		12		
		13		
		14		
		15		
		16		
DRAWN BY: JB JOB NO: 8500.04		17		
		18		
		19		
		20		
		21		
		22		
		23		
		24		

## Gradation Analysis Report

Project Name: Collier County

Sample Name: CCJP-02-09 BOT

Sample Date: 01/08/03

Analyzed By: ID



**Coastal Planning & Engineering, Inc.**

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

Easting: 331035	Northing: 660706	Coordinate System: State Plane 1983 FL East Feet	Elevation: N/A
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USCS: SP	Dry Munsel: 5Y-7/1	Wet Munsel: 5Y-6/1	Comments: See logs for estimated % shell content
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Dry Weight: 84.48	Wash Weight: 81.91	Sieve Loss: 0.02	Percent Silt: 3.2	Estimated Percent Shell Content: N/A
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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	0.26	0.31	0.26	0.31
10	-1.00	2.00	0.12	0.14	0.38	0.45
14	-0.50	1.41	0.20	0.24	0.58	0.69
18	0.00	1.00	0.33	0.39	0.91	1.08
25	0.50	0.70	1.03	1.22	1.94	2.30
35	1.00	0.50	1.81	2.14	3.75	4.44
45	1.50	0.35	2.28	2.70	6.03	7.14
60	2.00	0.25	2.76	3.27	8.79	10.40
80	2.50	0.17	10.30	12.19	19.09	22.60
120	3.00	0.12	49.83	58.98	68.92	81.58
170	3.50	0.08	11.65	13.79	80.57	95.37
200	3.75	0.07	0.86	1.02	81.43	96.39
230	4.00	0.06	0.35	0.41	81.78	96.80
Pan	Pan	Pan	2.68	3.17	84.46	99.98

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
1.1	2.23	2.52	2.73	2.94	3.09	3.49

Statistics	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis
Graphic	2.53	0.17	0.58	-0.93	2.30
Moment	2.59	0.17	0.77	-0.88	2.67

