

# JET PROBE LOG

**PROJECT:** Collier County

**JET PROBE:** CCJP-02-06

**COORDINATES:**

N = 657405

E = 323882

**DATE:** 12/17/02




**START TIME:** 1026

**END TIME:** 1031

**WATER DEPTH:** 36.7 FT

**TOP DIVER:** TP

**BOTTOM DIVER:** MDA

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20.0' PENETRATION DEPTH: 7.0' JET PUMP TYPE: BRIGGS & STRATON 3.0 HP GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-36.7	0		SEA FLOOR
		1		Fine Silty Sand
	-38.7	2		Fine Sand
	-39.7	3		Shell fragments
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"	-40.7	4		
		5		Fine sand with shell hash
	-42.8	6		
	-43.7	7		Rubble
<b>WEATHER:</b>  <b>WIND:</b> DIR: NORTH SPEED: 15 Kt.  <b>WAVES:</b> DIR: NORTHEAST HEIGHT: 2 to 3 Ft.  <b>CURRENT:</b> DIR: N/A SPEED: N/A	-44	8		Rock
		9		
		10		
		11		
<b>SAND SAMPLES</b>  TOP: 0.18 mm (visual estimate) Munsell Color: Wet 5Y-5/2 Dry 5Y-6/1  MID: 0.35 mm, Silt: 2.37%, Shell: 29% Munsell Color: Wet 5Y-6/1 Dry 5Y-6/1  BOTTOM: 0.20 mm (visual estimate) Munsell Color: Wet 5Y-5/1 Dry 5Y-6/1		12		
		13		
		14		
		15		
<b>TURBIDITY:</b> TOP (0' - 3.5'): High BOTTOM: (3.5' - 7'): High		16		
		17		
		18		
		19		
DRAWN BY: JB      CHECKED BY: MDA / JLA JOB NO: 8500.04		20		
		21		
		22		
		23		
		24		

## Gradation Analysis Report

Project Name: Collier County

Sample Name: CCJP-02-06 MID

Sample Date: 01/05/03

Analyzed By: ID



**Coastal Planning & Engineering, Inc.**

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

Easting: 323883	Northing: 657405	Coordinate System: State Plane 1983 FL East Feet	Elevation: N/A
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USCS: SW	Dry Munsel: 5Y-6/1	Wet Munsel: 5Y-6/1	Comments: See logs for estimated % shell content
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Dry Weight: 63.77	Wash Weight: 62.29	Sieve Loss: 0.01	Percent Silt: 2.37	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	1.04	1.63	1.04	1.63
5	-2.00	4.00	0.75	1.18	1.79	2.81
7	-1.50	2.82	2.00	3.14	3.79	5.94
10	-1.00	2.00	2.25	3.53	6.04	9.47
14	-0.50	1.41	2.57	4.03	8.61	13.50
18	0.00	1.00	2.87	4.50	11.48	18.00
25	0.50	0.70	3.23	5.07	14.71	23.07
35	1.00	0.50	3.20	5.02	17.91	28.09
45	1.50	0.35	2.93	4.59	20.84	32.68
60	2.00	0.25	2.63	4.12	23.47	36.80
80	2.50	0.17	6.84	10.73	30.31	47.53
120	3.00	0.12	24.41	38.28	54.72	85.81
170	3.50	0.08	6.63	10.40	61.35	96.21
200	3.75	0.07	0.60	0.94	61.95	97.15
230	4.00	0.06	0.31	0.49	62.26	97.63
Pan	Pan	Pan	1.50	2.35	63.76	99.98

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
-1.65	-0.22	0.69	2.53	2.86	2.98	3.44

Statistics	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis
Graphic	1.42	0.37	1.57	-0.98	0.96
Moment	1.52	0.35	1.93	-0.55	1.59

