

JET PROBE LOG				
PROJECT: Collier County			JET PROBE: CCJP-02-04	
COORDINATES:	DATE: 12/16/02		WATER DEPTH: 10.2 FT	
N = 598269	START TIME: 1605		TOP DIVER: TP	
E = 408007	END TIME: 1620		BOTTOM DIVER: JB	
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"	-10.2			SEA FLOOR
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"	-12.3			
WEATHER:  WIND: DIR: NORTH SPEED: 10-15 Kt.  WAVES: DIR: NORTHWEST HEIGHT: 2 to 4 Ft.  CURRENT: DIR: N/A SPEED: N/A				
SAND SAMPLES  TOP: 0.20 mm (visual estimate) Munsell Color: Wet 5Y-5/1 Dry 5Y-7/2  MID: 0.31 mm, Silt: 1.66%, Shell: 18% Munsell Color: Wet 5Y-6/1 Dry 5Y-7/2  BOTTOM: 0.30 mm (visual estimate) Munsell Color: Wet 5Y-6/1 Dry 5Y-7/2				
TURBIDITY: TOP (0' - 10'): Low BOTTOM (10' - 20'): Low				
DRAWN BY: JB JOB NO: 8500.04	CHECKED BY: MDA / JLA			

## Gradation Analysis Report

Project Name: Collier County  
 Sample Name: CCJP-02-04 MID  
 Sample Date: 01/05/03  
 Analyzed By: ID



**Coastal Planning & Engineering, Inc.**  
 2481 N.W. Boca Raton Blvd.  
 Boca Raton, FL 33431

Easting: 408007	Northing: 598269	Coordinate System: State Plane 1983 FL East Feet	Elevation: N/A
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USCS: SW	Dry Munsel: 5Y-7/2	Wet Munsel: 5Y-6/1	Comments: See logs for estimated % shell content
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Dry Weight: 83.25	Wash Weight: 81.89	Sieve Loss: 0.01	Percent Silt: 1.66	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	1.98	2.38	1.98	2.38
4	-3.00	8.00	2.95	3.54	4.93	5.92
5	-2.00	4.00	1.20	1.44	6.13	7.36
7	-1.50	2.82	1.71	2.05	7.84	9.42
10	-1.00	2.00	1.21	1.45	9.05	10.87
14	-0.50	1.41	1.57	1.89	10.62	12.76
18	0.00	1.00	1.36	1.63	11.98	14.39
25	0.50	0.70	1.18	1.42	13.16	15.81
35	1.00	0.50	1.01	1.21	14.17	17.02
45	1.50	0.35	0.96	1.15	15.13	18.17
60	2.00	0.25	1.78	2.14	16.91	20.31
80	2.50	0.17	11.39	13.68	28.30	33.99
120	3.00	0.12	38.63	46.40	66.93	80.40
170	3.50	0.08	13.35	16.04	80.28	96.43
200	3.75	0.07	1.15	1.38	81.43	97.81
230	4.00	0.06	0.44	0.53	81.87	98.34
Pan	Pan	Pan	1.37	1.65	83.24	99.99

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
-3.07	0.58	2.17	2.67	2.94	3.11	3.46

Statistics	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis
Graphic	1.35	0.39	1.62	-2.96	3.47
Moment	1.70	0.31	2.30	-1.34	3.17

