

JET PROBE LOG

PROJECT: Collier County

JET PROBE: CCJP-02-05

COORDINATES:

N = 652145

E = 320402

DATE: 12/17/02

START TIME: 0940

END TIME: 0946

WATER DEPTH: 37.6 FT

TOP DIVER: TP

BOTTOM DIVER: JB

| NOTES | ELEV. | DEPTH | SYMBOL | DESCRIPTION |
|--|-----------------------|-------|--------|--|
| LENGTH OF PVC PIPE: 20.0' PENETRATION DEPTH: 5.0' JET PUMP TYPE: BRIGGS & STRATON 3.0 HP GAL/HR: 8460 DIAMETER OF PIPE: 1.5" | -37.6 | 0 | | SEA FLOOR |
| | -38.6 | 1 | | Fine Sand |
| | | 2 | | Fine Sand and Shell Hash/Shell Fragments |
| | | 3 | | |
| SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK" | -42.6 | 4 | | |
| | -42.0 | 5 | | Rock |
| | | 6 | | Refusal @ 5.0' |
| WEATHER: WIND: DIR: NORTH SPEED: 15 Kt. WAVES: DIR: NORTHEAST HEIGHT: 2 to 3 Ft. CURRENT: DIR: N/A SPEED: N/A | | 7 | | |
| | | 8 | | |
| | | 9 | | |
| | | 10 | | |
| | | 11 | | |
| | | 12 | | |
| | | 13 | | |
| | | 14 | | |
| | | 15 | | |
| | | 16 | | |
| SAND SAMPLES TOP: 0.18 mm (visual estimate) Munsell Color: Wet 5Y-5/1 Dry 5Y-6/1 MID: N/A Munsell Color: N/A BOTTOM: 0.23 mm, Silt: 2.45%, Shell: 14% Munsell Color: Wet 5Y-5/1 Dry 5Y-6/1 | | 17 | | |
| | | 18 | | |
| | | 19 | | |
| | | 20 | | |
| | | 21 | | |
| | | 22 | | |
| TURBIDITY: TOP (0' - 2.5'): Low BOTTOM: (2.5' - 5.0'): Low | | 23 | | |
| | | 24 | | |
| DRAWN BY: JB JOB NO: 8500.04 | CHECKED BY: MDA / JLA | | | |

Gradation Analysis Report

Project Name: Collier County

Sample Name: CCJP-02-05 BOT

Sample Date: 01/05/03

Analyzed By: ID



Coastal Planning & Engineering, Inc.

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

| | | | |
|--------------------|---------------------|---|-------------------|
| Easting: 320402 | Northing: 652145 | Coordinate System: State Plane 1983 FL East Feet | Elevation: N/A |
|--------------------|---------------------|---|-------------------|

| | | | |
|-------------|-----------------------|-----------------------|---|
| USCS: SW | Dry Munsel: 5Y-6/1 | Wet Munsel: 5Y-5/1 | Comments: See logs for estimated % shell content |
|-------------|-----------------------|-----------------------|---|

| | | | | |
|----------------------|-----------------------|------------------|-----------------------|---|
| Dry Weight: 79.24 | Wash Weight: 77.37 | Sieve Loss: 0 | Percent Silt: 2.45 | Estimated Percent Shell Content: 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 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | -3.00 | 8.00 | 1.54 | 1.94 | 1.54 | 1.94 |
| 5 | -2.00 | 4.00 | 0.59 | 0.74 | 2.13 | 2.69 |
| 7 | -1.50 | 2.82 | 0.63 | 0.80 | 2.76 | 3.48 |
| 10 | -1.00 | 2.00 | 0.61 | 0.77 | 3.37 | 4.25 |
| 14 | -0.50 | 1.41 | 0.75 | 0.95 | 4.12 | 5.20 |
| 18 | 0.00 | 1.00 | 0.97 | 1.22 | 5.09 | 6.42 |
| 25 | 0.50 | 0.70 | 1.79 | 2.26 | 6.88 | 8.68 |
| 35 | 1.00 | 0.50 | 2.59 | 3.27 | 9.47 | 11.95 |
| 45 | 1.50 | 0.35 | 3.41 | 4.30 | 12.88 | 16.25 |
| 60 | 2.00 | 0.25 | 4.19 | 5.29 | 17.07 | 21.54 |
| 80 | 2.50 | 0.17 | 12.35 | 15.59 | 29.42 | 37.13 |
| 120 | 3.00 | 0.12 | 36.58 | 46.16 | 66.00 | 83.29 |
| 170 | 3.50 | 0.08 | 9.88 | 12.47 | 75.88 | 95.76 |
| 200 | 3.75 | 0.07 | 0.97 | 1.22 | 76.85 | 96.98 |
| 230 | 4.00 | 0.06 | 0.45 | 0.57 | 77.30 | 97.55 |
| Pan | Pan | Pan | 1.94 | 2.45 | 79.24 | 100.00 |

| | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|
| Phi 5 | Phi 16 | Phi 25 | Phi 50 | Phi 75 | Phi 84 | Phi 95 |
| -0.61 | 1.47 | 2.11 | 2.64 | 2.91 | 3.03 | 3.47 |

| | | | | | |
|------------|----------|---------|---------|----------|----------|
| Statistics | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis |
| Graphic | 2.00 | 0.25 | 1.01 | -1.49 | 2.09 |
| Moment | 2.15 | 0.23 | 1.38 | -1.12 | 2.85 |

