

## JET PROBE LOG

**PROJECT:** Collier County

**JET PROBE:** CCJP-02-24

**COORDINATES:**

N = 658904

E = 362238

**DATE:** 12/18/02

**START TIME:** 1512

**END TIME:** 1521

**WATER DEPTH:** 27.1 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"	-27.1	0		SEA FLOOR
		1		Fine Silty Sand
	-29.1	2		Fine Sand some Shell Hash
		3		
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"	-32.1	4		Shell Hash/Shell Fragments
		5		
	-33.6	6		Fine Sand some Shell Hash
		7		Rubble
WEATHER:  WIND: N/A DIR: N/A SPEED: Calm  WAVES: N/A DIR: N/A HEIGHT: 0 to 1 Ft.  CURRENT: DIR: N/A SPEED: N/A	-34.4	7		Rock
		8		Refusal @ 7.0'
		9		
		10		
SAND SAMPLES  TOP: 0.18 mm (visual estimate) Munsell Color: Wet 5Y-5/2 Dry 5Y-6/2  MID: 0.52 mm, Silt: 1.59%, Shell: 37% Munsell Color: Wet 5Y-6/1 Dry 5Y-6/1  BOTTOM: 0.25 mm (visual estimate) Munsell Color: Wet 5Y-6/1 Dry 5Y-6/1		11		
		12		
		13		
		14		
		15		
		16		
		17		
		18		
		19		
		20		
		21		
TURBIDITY: TOP (0' - 3.5'): Moderate BOTTOM: (3.5' - 7.0'): Low		22		
		23		
DRAWN BY: JB JOB NO: 8500.04	CHECKED BY: MDA / JLA	24		

## Gradation Analysis Report

Project Name: Collier County  
 Sample Name: CCJP-02-24 MID  
 Sample Date: 12/18/02  
 Analyzed By: ID



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

Easting: 362238	Northing: 658904	Coordinate System: State Plane 1983 FL East Feet	Elevation: N/A
--------------------	---------------------	---	-------------------

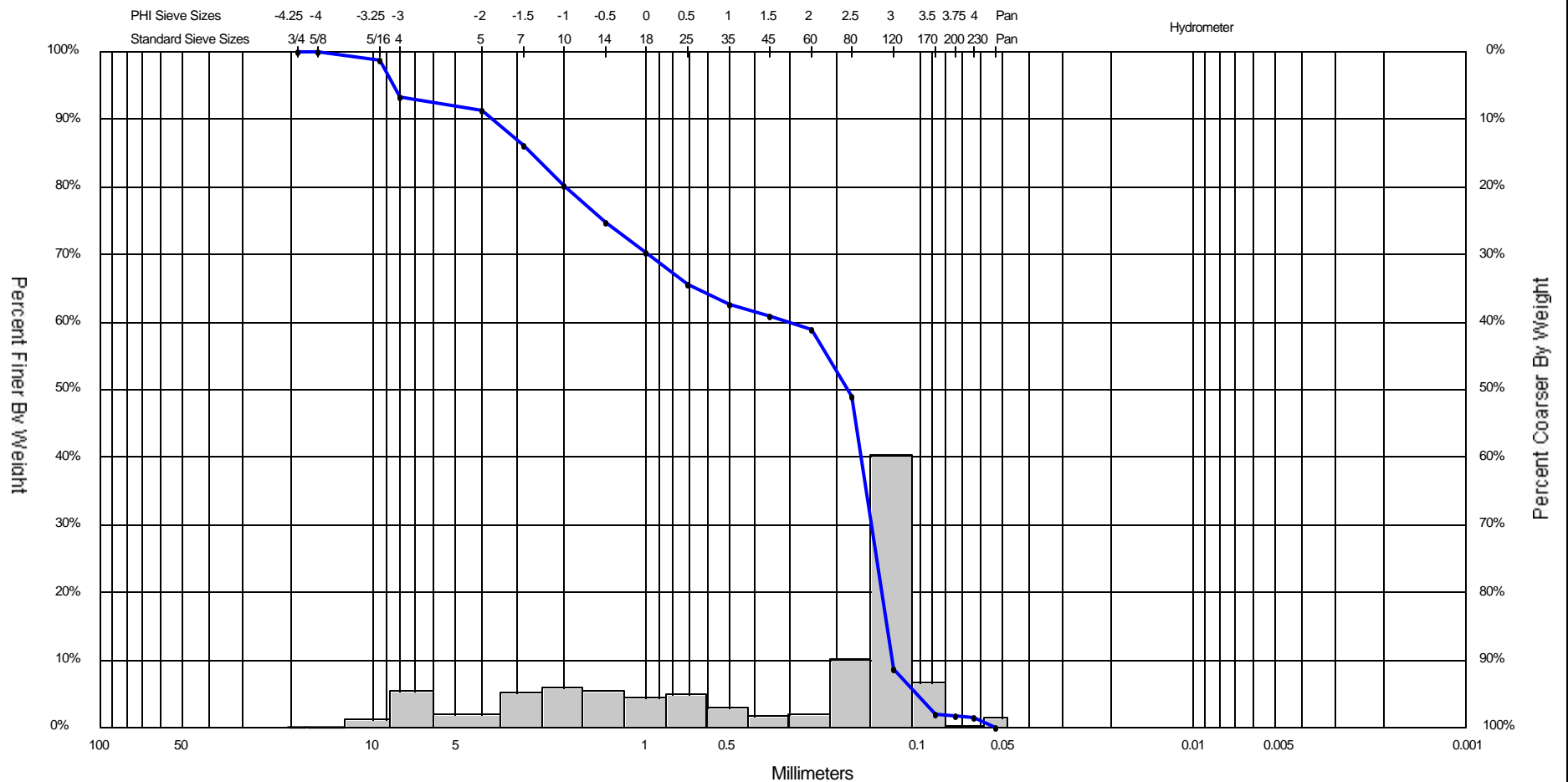
USCS: SW	Dry Munsel: 5Y-6/1	Wet Munsel: 5Y-6/1	Comments: See logs for estimated % shell content
-------------	-----------------------	-----------------------	---

Dry Weight: 81	Wash Weight: 79.77	Sieve Loss: 0.01	Percent Silt: 1.59	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	0.98	1.21	0.98	1.21
4	-3.00	8.00	4.36	5.38	5.34	6.59
5	-2.00	4.00	1.62	2.00	6.96	8.59
7	-1.50	2.82	4.22	5.21	11.18	13.80
10	-1.00	2.00	4.77	5.89	15.95	19.69
14	-0.50	1.41	4.48	5.53	20.43	25.22
18	0.00	1.00	3.55	4.38	23.98	29.60
25	0.50	0.70	3.91	4.83	27.89	34.43
35	1.00	0.50	2.41	2.98	30.30	37.41
45	1.50	0.35	1.33	1.64	31.63	39.05
60	2.00	0.25	1.56	1.93	33.19	40.98
80	2.50	0.17	8.17	10.09	41.36	51.06
120	3.00	0.12	32.60	40.25	73.96	91.31
170	3.50	0.08	5.36	6.62	79.32	97.93
200	3.75	0.07	0.27	0.33	79.59	98.26
230	4.00	0.06	0.12	0.15	79.71	98.41
Pan	Pan	Pan	1.28	1.58	80.99	99.99

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
-3.07	-1.31	-0.52	2.45	2.8	2.91	3.28

Statistics	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis
Graphic	0.85	0.55	2.02	-0.97	0.78
Moment	0.93	0.52	2.53	-0.49	1.43



Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev.	Comments	USCS	% Silt	Median	Mean	Skew	Kurt	Sort	Sample Information	
CCJP-02-24 MID		N/A		SW	1.59	0.18	0.52	-0.49	1.43	2.53	Project Name:	Collier County
Incremental % Weight		N/A	Use Left Hand Scale								Collection Date:	12/18/02
											Analyzed By:	ID
				<b>Coastal Planning &amp; Engineering, Inc.</b> 2481 N.W. Boca Raton Blvd. Boca Raton, FL 33431  ph 561 391-8102								