

JET PROBE LOG

PROJECT: Collier County

JET PROBE: CCJP-02-17

COORDINATES:

N = 674169

E = 351293

DATE: 12/18/02

START TIME: 1100

END TIME: 1115

WATER DEPTH: 30.3 FT

TOP DIVER: JB

BOTTOM DIVER: ML

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20.0' PENETRATION DEPTH: 8.5' JET PUMP TYPE: BRIGGS & STRATON 3.0 HP GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-30.3	0		SEA FLOOR
		1		Fine Silty Sand
	-32.3	2		
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"		3		Silty Sand with Shell Hash/Shell Fragments
		4		
		5		
WEATHER: WIND: DIR: NORTHEAST SPEED: 5 - 10 Kt. WAVES: DIR: NORTHEAST HEIGHT: 1 to 2 Ft. CURRENT: DIR: SOUTH SPEED: SLIGHT	-37.3	6		
		7		Shell Fragments
	-38.8	8		Sand with Shell Fragments
	-39.7	9		Rock
		10		Refusal @ 8.5'
		11		
		12		
		13		
		14		
		15		
		16		
		17		
		18		
		19		
		20		
		21		
		22		
		23		
		24		
SAND SAMPLES TOP: 0.15 mm (visual estimate) Munsell Color: Wet 5Y-5/1 Dry 5Y-7/1 MID: 0.14 mm, Silt: 2.11%, Shell: 4% Munsell Color: Wet 5Y-5/1 Dry 5Y-7/1 BOTTOM: 0.15 mm (visual estimate) Munsell Color: Wet 5Y-6/1 Dry 5Y-7/1				
TURBIDITY: TOP (0' - 5.0'): High BOTTOM: (5.0' - 8.5'): High				
DRAWN BY: JB JOB NO: 8500.04	CHECKED BY: MDA / JLA			

Gradation Analysis Report

Project Name: Collier County
 Sample Name: CCJP-02-17 MID
 Sample Date: 01/06/03
 Analyzed By: ID



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

Easting: 351293	Northing: 674169	Coordinate System: State Plane 1983 FL East Feet	Elevation: N/A
--------------------	---------------------	---	-------------------

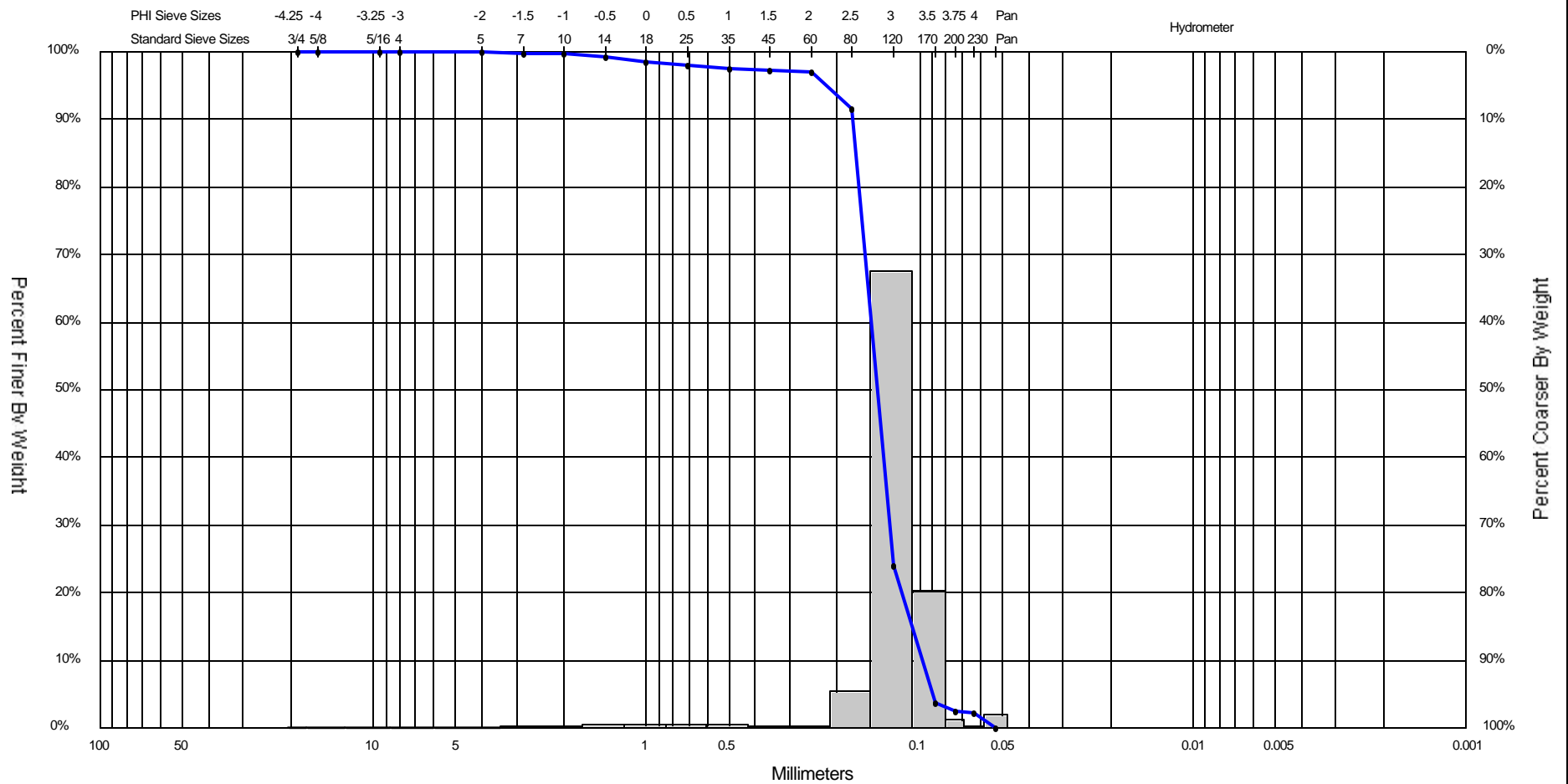
USCS: SP	Dry Munsel: 5Y-7/1	Wet Munsel: 5Y-5/1	Comments: See logs for estimated % shell content
-------------	-----------------------	-----------------------	---

Dry Weight: 92.41	Wash Weight: 90.54	Sieve Loss: 0.03	Percent Silt: 2.11	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	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	0.12	0.13	0.12	0.13
10	-1.00	2.00	0.20	0.22	0.32	0.35
14	-0.50	1.41	0.43	0.47	0.75	0.81
18	0.00	1.00	0.53	0.57	1.28	1.39
25	0.50	0.70	0.51	0.55	1.79	1.94
35	1.00	0.50	0.42	0.45	2.21	2.39
45	1.50	0.35	0.27	0.29	2.48	2.68
60	2.00	0.25	0.31	0.34	2.79	3.02
80	2.50	0.17	4.95	5.36	7.74	8.38
120	3.00	0.12	62.48	67.61	70.22	75.99
170	3.50	0.08	18.86	20.41	89.08	96.40
200	3.75	0.07	1.04	1.13	90.12	97.52
230	4.00	0.06	0.34	0.37	90.46	97.89
Pan	Pan	Pan	1.92	2.08	92.38	99.97

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
2.18	2.56	2.62	2.81	2.99	3.2	3.47

Statistics	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis
Graphic	2.84	0.14	0.35	0.15	1.42
Moment	2.83	0.14	0.43	0.01	1.80



Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev.	Comments	USCS	% Silt	Median	Mean	Skew	Kurt	Sort	Sample Information	
CCJP-02-17 MID		N/A		SP	2.11	0.14	0.14	0.01	1.80	0.43	Project Name:	Collier County
Incremental % Weight		N/A	Use Left Hand Scale								Collection Date:	01/06/03
											Analyzed By:	ID
 <div> Coastal Planning & Engineering, Inc. 2481 N.W. Boca Raton Blvd. Boca Raton, FL 33431 ph 561 391-8102 fax 561 391-9116 </div>											Easting (X):	351293
											Northing (Y):	674169
											Horizontal System:	State Plane 1983 FL East Feet
											Vertical System:	N/A