

# Granularmetric Report

Depths and elevations based on measured values



Coastal Planning & Engineering  
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Project Name: St. Lucie Sand Search

Sample Name: SLJP-06-24 #MID

Analysis Date: 03-10-06

Analyzed By: AMS

Easting (ft):

932,303

Northing (ft):

1,078,454

Coordinate System:

Florida State Plane East

Elevation (ft):

USCS:

SP

Munsell:

Wet - 2.5Y-4/2

Dry - 2.5Y-5/2

Washed - 2.5Y-5/2

Comments:

Dry Weight (g):

123.89

Wash Weight (g):

121.05

Pan Retained (g):

0.00

Sieve Loss (%):

0.01

Fines (%):

#200 - 2.31  
#230 - 2.30

Organics (%):

Carbonates (%):

Shells (%):

0

Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained
3/4"	-4.25	19.03	0.00	0.00	0.00	0.00
5/8"	-4.00	16.00	0.00	0.00	0.00	0.00
7/16"	-3.50	11.31	0.00	0.00	0.00	0.00
5/16"	-3.00	8.00	0.00	0.00	0.00	0.00
3.5	-2.50	5.66	0.04	0.03	0.04	0.03
4	-2.25	4.76	0.02	0.02	0.06	0.05
5	-2.00	4.00	0.06	0.05	0.12	0.10
7	-1.50	2.83	0.45	0.36	0.57	0.46
10	-1.00	2.00	0.77	0.62	1.34	1.08
14	-0.50	1.41	2.44	1.97	3.78	3.05
18	0.00	1.00	5.38	4.34	9.16	7.39
25	0.50	0.71	16.87	13.62	26.03	21.01
35	1.00	0.50	33.17	26.77	59.20	47.78
45	1.50	0.35	36.37	29.36	95.57	77.14
60	2.00	0.25	21.77	17.57	117.34	94.71
80	2.50	0.18	3.45	2.78	120.79	97.50
120	3.00	0.13	0.19	0.15	120.98	97.65
170	3.50	0.09	0.05	0.04	121.03	97.69
200	3.75	0.07	0.00	0.00	121.03	97.69
230	4.00	0.06	0.01	0.01	121.04	97.70

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.05

1.70

1.46

1.04

0.57

0.32

-0.28

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

0.96

0.51

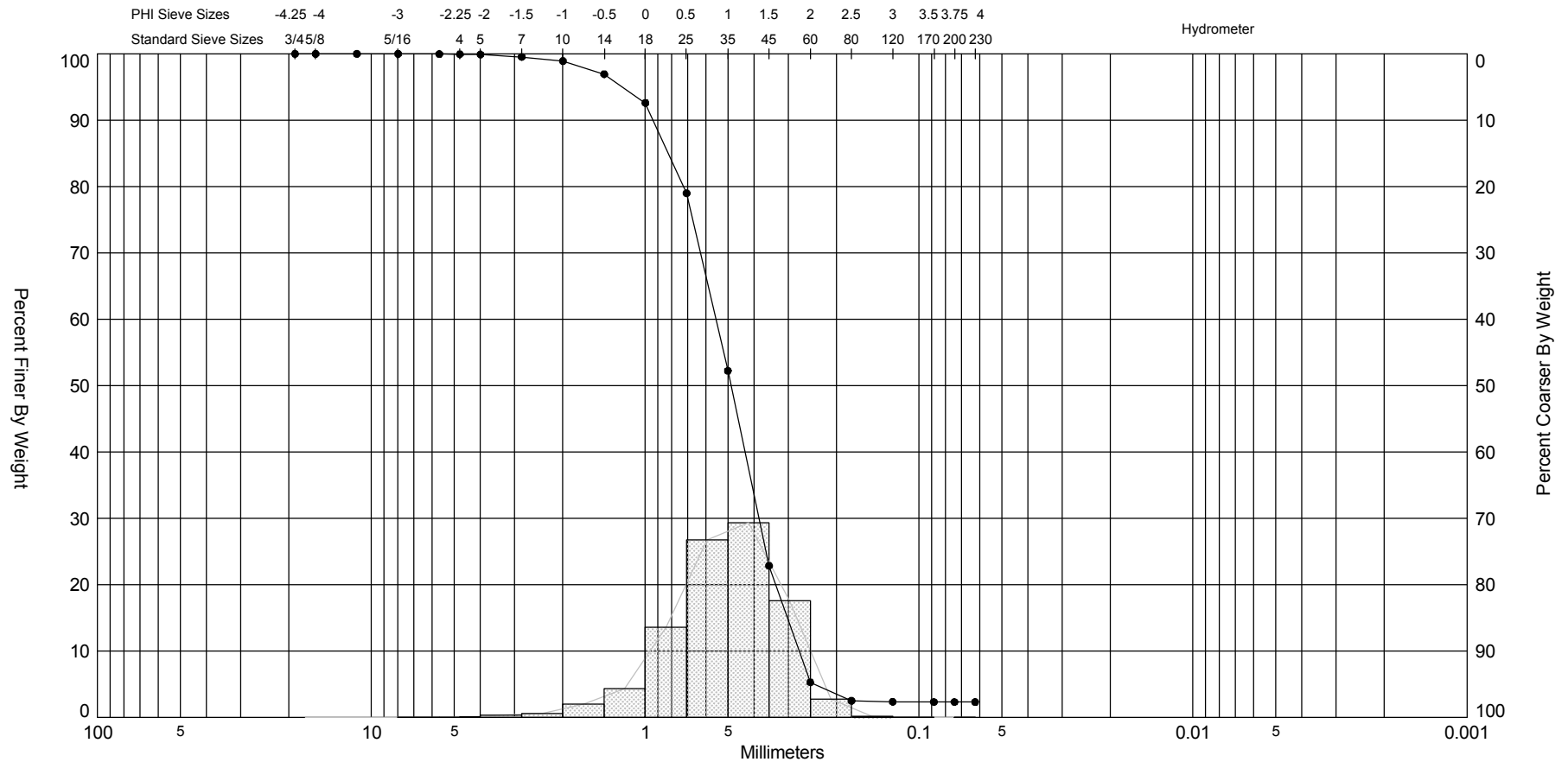
0.68

-0.74


4.4

GRANULARMETRIC REPORT ST. LUCIE JP.GPJ FL DEP ROSS.GDT 3/30/06

SIEVE ANALYSIS ST. LUCIE JP.GPJ FL DEP ROSS.GDT 8/8/06



Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
SLJP-06-24 #MID	—●—		SP	#200 - 2.31 #230 - 2.30			1.04	0.96	-0.74	4.4	0.68	Project Name:	St. Lucie Sand Search
Comments:												Analysis Date:	03-10-06
Depths and elevations based on measured values												Analyzed By:	AMS
						Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116						Easting (X, ft):	932,303
												Northing (Y, ft):	1,078,454
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88