
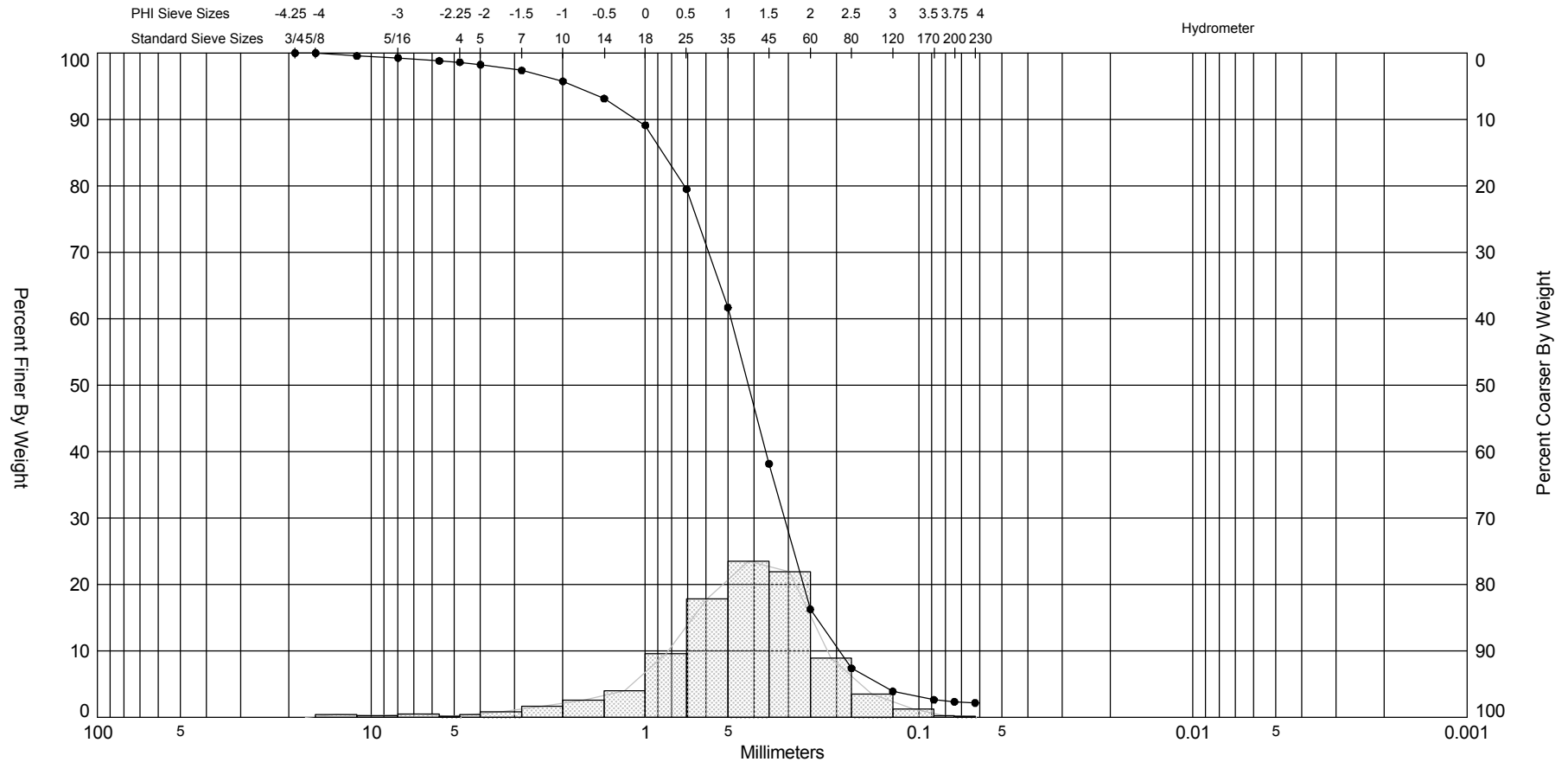



<b>Granularmetric Report</b> Depths and elevations based on measured values				 <b>Coastal Planning &amp; Engineering</b> 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116			
Project Name: St. Lucie Sand Search							
Sample Name: SLJP-06-22 #BOT							
Analysis Date: 03-09-06							
Analyzed By: AMS							
Easting (ft): <div style="text-align: center;">930,172</div>		Northing (ft): <div style="text-align: center;">1,074,213</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft):	
USCS: <div style="text-align: center;">SP</div>		Munsell: Wet - 5Y-4/1 Dry - 2.5Y-5/1 Washed - 5Y-6/1		Comments:			
Dry Weight (g): <div style="text-align: center;">109.32</div>	Wash Weight (g): <div style="text-align: center;">107.02</div>	Pan Retained (g): <div style="text-align: center;">0.04</div>	Sieve Loss (%): <div style="text-align: center;">0.02</div>	Fines (%): #200 - 2.34 #230 - 2.16	Organics (%):	Carbonates (%):	Shells (%): <div style="text-align: center;">3</div>
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	0.49	0.45	0.49	0.45	
5/16"	-3.00	8.00	0.30	0.27	0.79	0.72	
3.5	-2.50	5.66	0.51	0.47	1.30	1.19	
4	-2.25	4.76	0.21	0.19	1.51	1.38	
5	-2.00	4.00	0.41	0.38	1.92	1.76	
7	-1.50	2.83	0.94	0.86	2.86	2.62	
10	-1.00	2.00	1.81	1.66	4.67	4.27	
14	-0.50	1.41	2.83	2.59	7.50	6.86	
18	0.00	1.00	4.39	4.02	11.89	10.88	
25	0.50	0.71	10.51	9.61	22.40	20.49	
35	1.00	0.50	19.47	17.81	41.87	38.30	
45	1.50	0.35	25.72	23.53	67.59	61.83	
60	2.00	0.25	23.94	21.90	91.53	83.73	
80	2.50	0.18	9.72	8.89	101.25	92.62	
120	3.00	0.13	3.82	3.49	105.07	96.11	
170	3.50	0.09	1.37	1.25	106.44	97.37	
200	3.75	0.07	0.32	0.29	106.76	97.66	
230	4.00	0.06	0.20	0.18	106.96	97.84	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.84	2.02	1.80	1.25	0.63	0.27	-0.86	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.1	0.47	1.06	-1.18	6.15		

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-06-22 #BOT	—●—		SP	#200 - 2.34 #230 - 2.16			1.25	1.1	-1.18	6.15	1.06	Project Name:	St. Lucie Sand Search
Comments:												Analysis Date:	03-09-06
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):	930,172
												Northing (Y, ft):	1,074,213
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88