
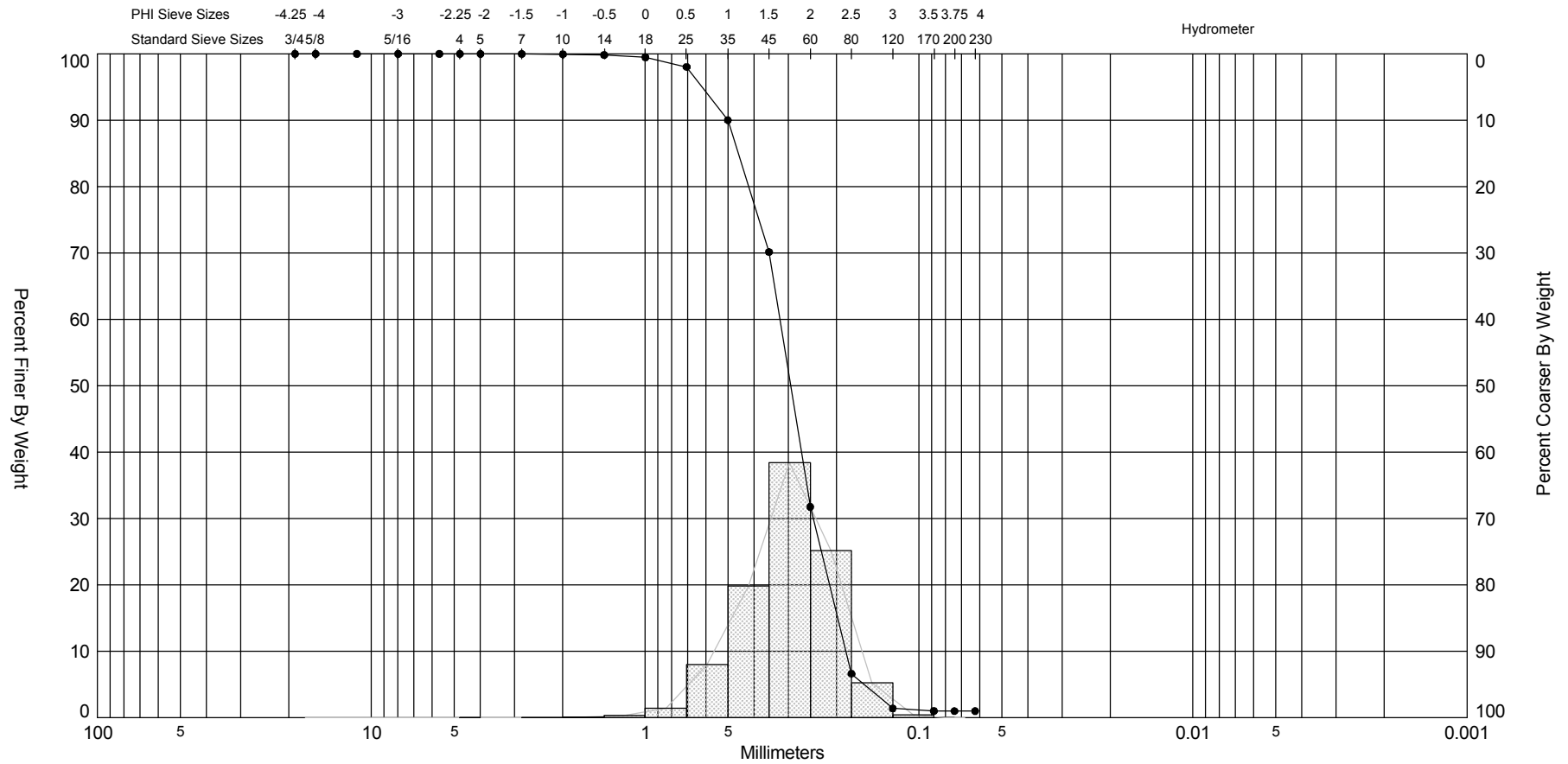



<b>Granularmetric Report</b> Depths and elevations based on measured values				 Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116			
Project Name: Central Boca Beach Monitoring							
Sample Name: R-221 Top Berm							
Analysis Date: 06-29-05							
Analyzed By: AU							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
960,632		731,033		Florida State Plane East		6.7 NAVD 88	
USCS:		Munsell:		Comments:			
SP							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shell Hash (%):
107.02	106.02	0.00	0.05	#200 - 0.98 #230 - 0.98			32
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	0.00	0.00	0.00	0.00	
4	-2.25	4.76	0.00	0.00	0.00	0.00	
5	-2.00	4.00	0.01	0.01	0.01	0.01	
7	-1.50	2.83	0.00	0.00	0.01	0.01	
10	-1.00	2.00	0.04	0.04	0.05	0.05	
14	-0.50	1.41	0.12	0.11	0.17	0.16	
18	0.00	1.00	0.40	0.37	0.57	0.53	
25	0.50	0.71	1.53	1.43	2.10	1.96	
35	1.00	0.50	8.58	8.02	10.68	9.98	
45	1.50	0.35	21.27	19.87	31.95	29.85	
60	2.00	0.25	41.09	38.39	73.04	68.25	
80	2.50	0.18	26.89	25.13	99.93	93.38	
120	3.00	0.13	5.61	5.24	105.54	98.62	
170	3.50	0.09	0.41	0.38	105.95	99.00	
200	3.75	0.07	0.02	0.02	105.97	99.02	
230	4.00	0.06	0.00	0.00	105.97	99.02	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.65	2.31	2.13	1.76	1.38	1.15	0.69	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.72	0.30	0.56	-0.52	4.03		



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	
R-221 Top Berm	—●—		SP	#200 - 0.98 #230 - 0.98			1.76	1.72	-0.52	4.03	0.56	Project Name:	Central Boca Beach Monitoring
Comments:												Analysis Date:	06-29-05
Depths and elevations based on measured values												Analyzed By:	AU
						Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116					Easting (X, ft):		
											Northing (Y, ft):		
											Horizontal System:		NAD 1983
											Vertical System:		NAVD 88