
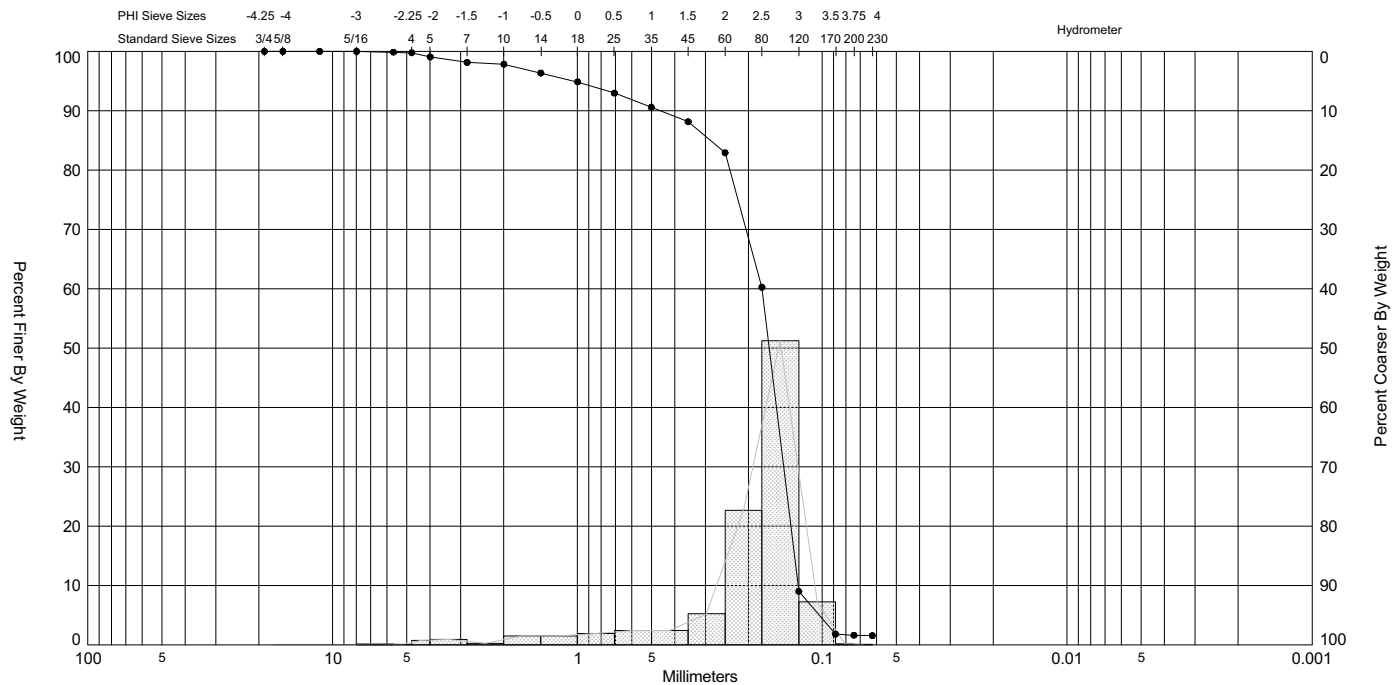




Granularmetric Report Depths and elevations based on measured values				 Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116			
Project Name: Anna Maria Island							
Sample Name: AMVC-05-16 #1							
Analysis Date: 03-04-05							
Analyzed By: CPE							
Easting (ft): <div style="text-align: center;">412,179</div>		Northing (ft): <div style="text-align: center;">1,156,657</div>		Coordinate System: <div style="text-align: center;">Florida State Plane West</div>		Elevation (ft): <div style="text-align: center;">-19.6 NAVD 88</div>	
USCS: <div style="text-align: center;">SW</div>		Munsell: Wet - 5Y-7/1 Dry - 5Y-8/1 Washed - 5Y-8/1		Comments:			
Dry Weight (g): <div style="text-align: center;">75.28</div>	Wash Weight (g): <div style="text-align: center;">74.18</div>	Pan Retained (g): <div style="text-align: center;">0.01</div>	Sieve Loss (%): <div style="text-align: center;">0.09</div>	Fines (%): #200 - 1.62 #230 - 1.55	Organics (%):	Carbonates (%): <div style="text-align: center;">15</div>	Shell Hash (%): <div style="text-align: center;">1</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	
11/16"	-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	0.10	0.13	0.10	0.13	
4	-2.25	4.76	0.06	0.08	0.16	0.21	
5	-2.00	4.00	0.54	0.72	0.70	0.93	
7	-1.50	2.83	0.70	0.93	1.40	1.86	
10	-1.00	2.00	0.22	0.29	1.62	2.15	
14	-0.50	1.41	1.12	1.49	2.74	3.64	
18	0.00	1.00	1.12	1.49	3.86	5.13	
25	0.50	0.71	1.44	1.91	5.30	7.04	
35	1.00	0.50	1.79	2.38	7.09	9.42	
45	1.50	0.35	1.83	2.43	8.92	11.85	
60	2.00	0.25	3.92	5.21	12.84	17.06	
80	2.50	0.18	17.07	22.68	29.91	39.74	
120	3.00	0.13	38.57	51.24	68.48	90.98	
170	3.50	0.09	5.43	7.21	73.91	98.19	
200	3.75	0.07	0.14	0.19	74.05	98.38	
230	4.00	0.06	0.05	0.07	74.10	98.45	
Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.							
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.28	2.93	2.84	2.60	2.18	1.90	-0.04	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.29	0.20	0.99	-2.52	9.77		



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	
AMVC-05-16 #1		-19.6	SW	#200 - 1.62 #230 - 1.55		15	2.6	2.29	-2.52	9.77	0.99	Project Name:	Anna Maria Island
Comments:												Analysis Date:	03-04-05
Depths and elevations based on measured values												Analyzed By:	CPE
						Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116						Easting (X, ft):	412,179
												Northing (Y, ft):	1,156,657
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88