
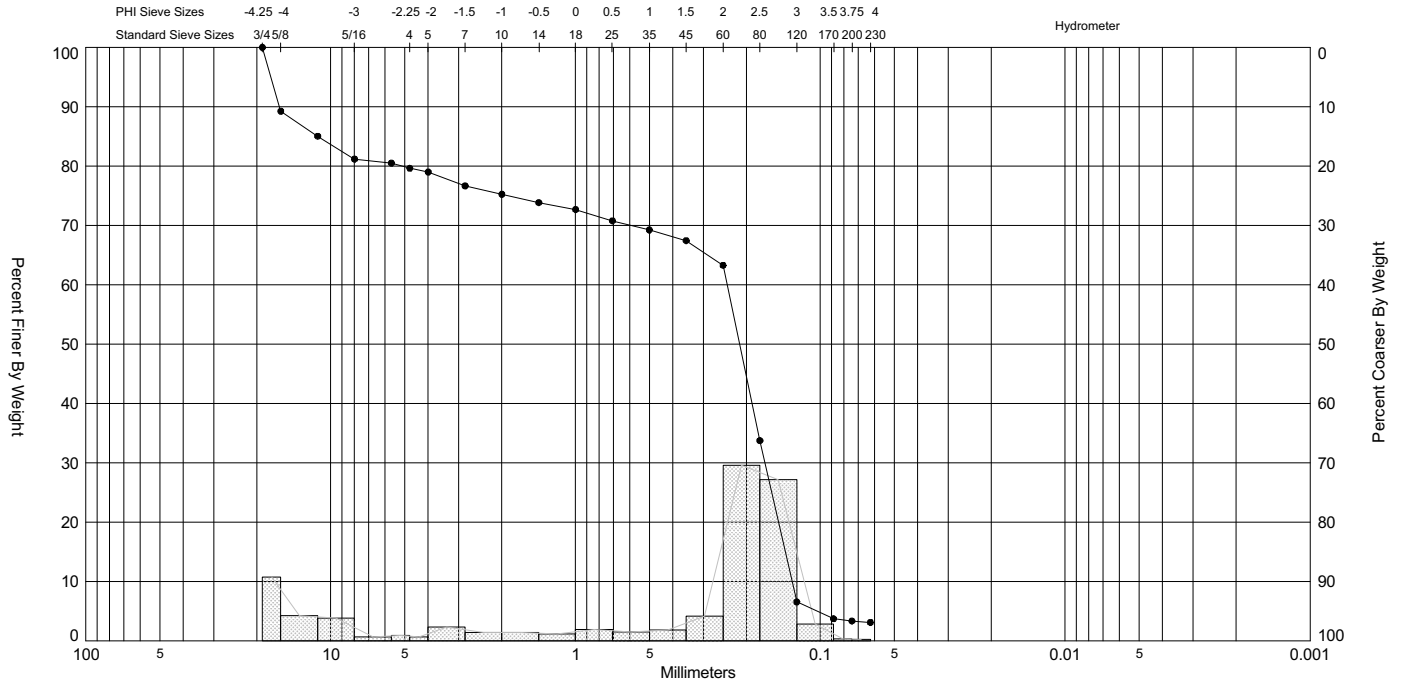



<h2 style="text-align: center;">Granularmetric Report</h2> <p style="text-align: center;">Depths and elevations based on measured values</p>				<div style="text-align: center;">  <p>Coastal Planning &amp; Engineering  2481 NW Boca Raton Blvd, Boca Raton  FL 33431  ph (561) 391-8102  fax (561) 391-9116</p> </div>											
Project Name: Anna Maria Island															
Sample Name: AMVC-05-15 #4															
Analysis Date: 08-19-08															
Analyzed By: CPE				Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):					
413,034		1,156,701		Florida State Plane West		-25.2 NAVD 88									
USCS:		Munsell:		Comments:											
SW		Wet - 5Y-6/1 Dry - 5Y-7/1 Washed - 2.5Y-7/1													
Dry Weight (g):		Wash Weight (g):		Pan Retained (g):		Sieve Loss (%):		Fines (%):		Organics (%):		Carbonates (%):		Shell Hash (%):	
104.44		101.35		0.12		0.03		#200 - 3.35 #230 - 3.11				22		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	11.23	10.75	11.23	10.75									
7/16"	-3.50	11.31	4.40	4.21	15.63	14.96									
5/16"	-3.00	8.00	4.02	3.85	19.65	18.81									
3.5	-2.50	5.66	0.71	0.68	20.36	19.49									
4	-2.25	4.76	0.92	0.88	21.28	20.37									
5	-2.00	4.00	0.66	0.63	21.94	21.00									
7	-1.50	2.83	2.43	2.33	24.37	23.33									
10	-1.00	2.00	1.47	1.41	25.84	24.74									
14	-0.50	1.41	1.47	1.41	27.31	26.15									
18	0.00	1.00	1.21	1.16	28.52	27.31									
25	0.50	0.71	2.00	1.91	30.52	29.22									
35	1.00	0.50	1.60	1.53	32.12	30.75									
45	1.50	0.35	1.88	1.80	34.00	32.55									
60	2.00	0.25	4.34	4.16	38.34	36.71									
80	2.50	0.18	30.86	29.55	69.20	66.26									
120	3.00	0.13	28.39	27.18	97.59	93.44									
170	3.50	0.09	2.97	2.84	100.56	96.28									
200	3.75	0.07	0.39	0.37	100.95	96.65									
230	4.00	0.06	0.25	0.24	101.20	96.89									
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									
3.27	2.83	2.66	2.22	-0.91	-3.36	-4.13									
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis										
Statistics	0.81	0.57	2.59	-1.03	2.35										

SIEVE ANALYSIS ANNA MARIA\_05 NAVD88.GPJ FL DEPROSS.GDT 10/30/08



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-05-15 #4	—●—	-25.2	SW	#200 - 3.35 #230 - 3.11		22	2.22	0.81	-1.03	2.35	2.59	Project Name:	Anna Maria Island
Comments:												Analysis Date:	08-19-08
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):	413,034
												Northing (Y, ft):	1,156,701
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88