
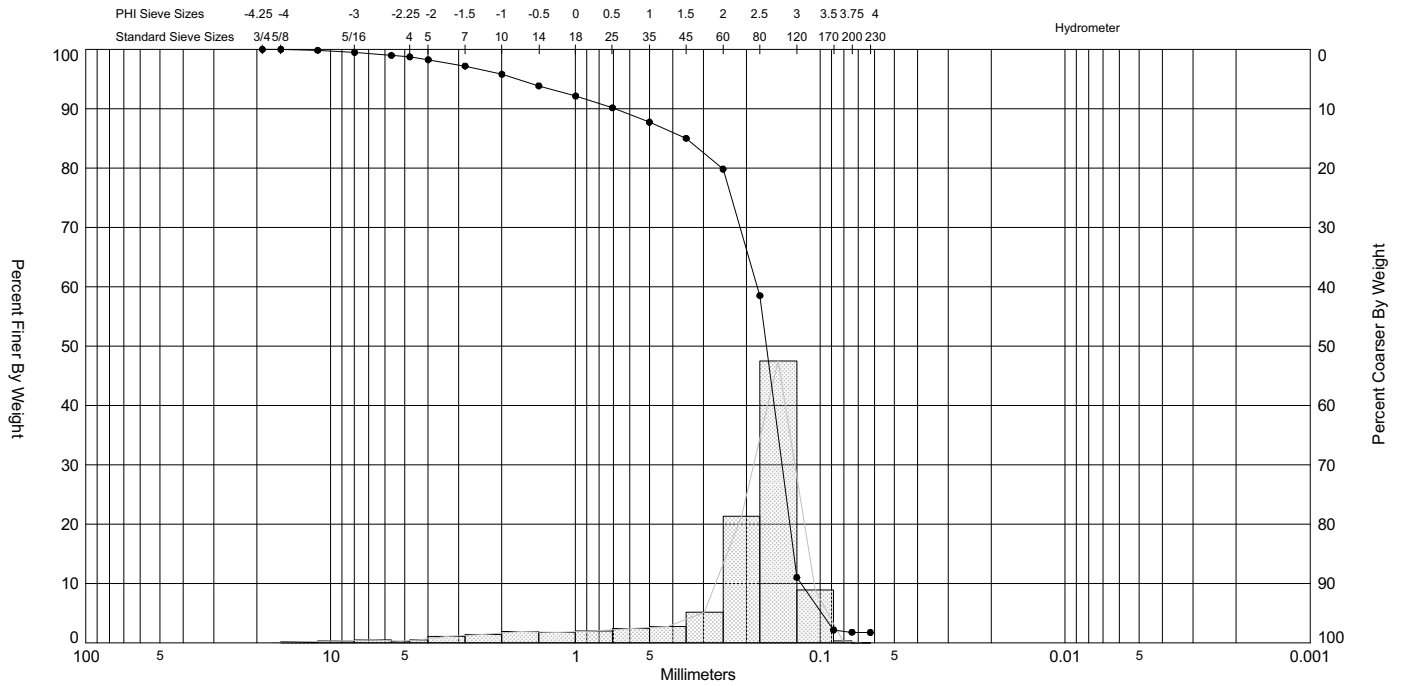



GRANULARMETRIC REPORT VIBRACORE COMPOSITE\_08 AND\_05\_VCS\_UPDATED\_091608.GPJ JPBRAZIL.GDT 10/31/08

<h2 style="text-align: center;">Granularmetric Report</h2> <p style="text-align: center;">Depths and elevations based on measured values</p>				 <p style="text-align: center;"> <b>Coastal Planning &amp; Engineering</b>                  2481 NW Boca Raton Blvd, Boca Raton                  FL 33431                  ph (561) 391-8102                  fax (561) 391-9116             </p>			
Project Name: Anna Maria 2008 Composites							
Sample Name: AMVC-08-10 COMP							
Analysis Date: 09-16-08							
Analyzed By: KD							
Easting (ft): <b>411,957</b>		Northing (ft): <b>1,156,109</b>		Coordinate System: <b>Florida State Plane West</b>		Elevation (ft):	
USCS: <b>SW</b>		Munsell:		Comments: <b>COMPOSITE</b>			
Dry Weight (g): <b>100.00</b>	Wash Weight (g): <b>100.00</b>	Pan Retained (g): <b>1.73</b>	Sieve Loss (%): <b>0.02</b>	Fines (%): <b>#200 - 1.79</b> <b>#230 - 1.75</b>	Organics (%):	Carbonates (%): <b>18</b>	Shell Hash (%):
<b>Sieve Number</b>	<b>Sieve Size (Phi)</b>	<b>Sieve Size (Millimeters)</b>	<b>Grams Retained</b>	<b>% Weight Retained</b>	<b>Cum. Grams Retained</b>	<b>C. % Weight Retained</b>	
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	0.15	0.15	0.15	0.15	
5/16"	-3.00	8.00	0.36	0.36	0.51	0.51	
3.5	-2.50	5.66	0.51	0.51	1.02	1.02	
4	-2.25	4.76	0.24	0.24	1.26	1.26	
5	-2.00	4.00	0.47	0.47	1.73	1.73	
7	-1.50	2.83	1.07	1.07	2.80	2.80	
10	-1.00	2.00	1.39	1.39	4.19	4.19	
14	-0.50	1.41	1.95	1.95	6.14	6.14	
18	0.00	1.00	1.72	1.72	7.86	7.86	
25	0.50	0.71	1.99	1.99	9.85	9.85	
35	1.00	0.50	2.41	2.41	12.26	12.26	
45	1.50	0.35	2.72	2.72	14.98	14.98	
60	2.00	0.25	5.18	5.18	20.16	20.16	
80	2.50	0.18	21.32	21.32	41.48	41.48	
120	3.00	0.13	47.48	47.48	88.96	88.96	
170	3.50	0.09	8.88	8.88	97.84	97.84	
200	3.75	0.07	0.37	0.37	98.21	98.21	
230	4.00	0.06	0.04	0.04	98.25	98.25	
Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.							
<b>Phi 5</b>	<b>Phi 16</b>	<b>Phi 25</b>	<b>Phi 50</b>	<b>Phi 75</b>	<b>Phi 84</b>	<b>Phi 95</b>	
3.34	2.95	2.85	2.59	2.11	1.60	-0.79	
<b>Moment</b>	<b>Mean Phi</b>	<b>Mean mm</b>	<b>Sorting</b>	<b>Skewness</b>	<b>Kurtosis</b>		
<b>Statistics</b>	2.17	0.22	1.21	-2.32	8.35		



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-08-10 COMP	—●—		SW	#200 - 1.79 #230 - 1.75		18	2.59	2.17	-2.32	8.35	1.21	Project Name:	Anna Maria 2008 Composites
Comments: COMPOSITE												Analysis Date:	09-16-08
Depths and elevations based on measured values												Analyzed By:	KD
						Coastal Planning & Engineering						Easting (X, ft):	411,957
						2481 NW Boca Raton Blvd, Boca Raton						Northing (Y, ft):	1,156,109
						FL 33431						Horizontal System:	NAD 1983
						ph (561) 391-8102 fax (561) 391-9116						Vertical System:	NAVD 88