



<b>Granularmetric Report</b> Depths and elevations based on measured values				 <b>COASTAL TECH</b> Coastal Geology & Sediments Laboratory			
Project Name: Bonita Beach				1333 Gateway Dr., Suite 1004 Melbourne, FL 32901 Phone (321) 751-1135 Fax (321) 751-2343			
Sample Name: C-16 #1							
Analysis Date: 03-21-12							
Analyzed By: WD							
Easting (ft): <div style="text-align: center;">685,034.4</div>		Northing (ft): <div style="text-align: center;">755,157.6</div>		Coordinate System: <div style="text-align: center;">Florida State Plane West</div>		Elevation (ft): <div style="text-align: center;">-12.0 NAVD 88</div>	
USCS: <div style="text-align: center;">SM</div>		Munsell: Wet - 5Y-5/2 Dry - 5Y-6/1		Comments:			
Dry Weight (g): <div style="text-align: center;">150.14</div>	Wash Weight (g): <div style="text-align: center;">133.34</div>	Pan Retained (g): <div style="text-align: center;">0.49</div>	Sieve Loss (%): <div style="text-align: center;">0.02</div>	Fines (%): #200 - 12.23 #230 - 11.53	Organics (%): <div style="text-align: center;">2.70</div>	Carbonates (%): <div style="text-align: center;">32.30</div>	Shells (%):
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	0.20	0.13	0.20	0.13	
3.5	-2.50	5.66	0.49	0.33	0.69	0.46	
4	-2.25	4.76	0.39	0.26	1.08	0.72	
5	-2.00	4.00	0.53	0.35	1.61	1.07	
7	-1.50	2.83	1.20	0.80	2.81	1.87	
10	-1.00	2.00	1.21	0.81	4.02	2.68	
14	-0.50	1.41	2.35	1.57	6.37	4.25	
18	0.00	1.00	2.22	1.48	8.59	5.73	
25	0.50	0.71	1.89	1.26	10.48	6.99	
35	1.00	0.50	2.00	1.33	12.48	8.32	
45	1.50	0.35	1.62	1.08	14.10	9.40	
60	2.00	0.25	1.77	1.18	15.87	10.58	
80	2.50	0.18	5.09	3.39	20.96	13.97	
120	3.00	0.13	69.77	46.47	90.73	60.44	
170	3.50	0.09	36.16	24.08	126.89	84.52	
200	3.75	0.07	4.88	3.25	131.77	87.77	
230	4.00	0.06	1.05	0.70	132.82	88.47	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.49	3.30	2.89	2.62	2.52	-0.25	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.56	0.17	1.14	-2.68	10.15		

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Project Name: Bonita Beach							
Sample Name: C-16 #2							
Analysis Date: 03-21-12							
Analyzed By: WD							
Easting (ft): <div style="text-align: center;">685,034.4</div>		Northing (ft): <div style="text-align: center;">755,157.6</div>		Coordinate System: <div style="text-align: center;">Florida State Plane West</div>		Elevation (ft): <div style="text-align: center;">-13.5 NAVD 88</div>	
USCS: <div style="text-align: center;">SM</div>		Munsell: Wet - 5Y-5/2 Dry - 5Y-6/1		Comments:			
Dry Weight (g): <div style="text-align: center;">171.93</div>	Wash Weight (g): <div style="text-align: center;">151.57</div>	Pan Retained (g): <div style="text-align: center;">0.39</div>	Sieve Loss (%): <div style="text-align: center;">0.06</div>	Fines (%): #200 - 12.77 #230 - 12.15	Organics (%): <div style="text-align: center;">2.40</div>	Carbonates (%): <div style="text-align: center;">24.80</div>	Shells (%):
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	4.96	2.88	4.96	2.88	
7/16"	-3.50	11.31	0.33	0.19	5.29	3.07	
5/16"	-3.00	8.00	2.59	1.51	7.88	4.58	
3.5	-2.50	5.66	2.91	1.69	10.79	6.27	
4	-2.25	4.76	1.30	0.76	12.09	7.03	
5	-2.00	4.00	1.47	0.85	13.56	7.88	
7	-1.50	2.83	7.14	4.15	20.70	12.03	
10	-1.00	2.00	9.63	5.60	30.33	17.63	
14	-0.50	1.41	12.75	7.42	43.08	25.05	
18	0.00	1.00	9.79	5.69	52.87	30.74	
25	0.50	0.71	5.18	3.01	58.05	33.75	
35	1.00	0.50	2.81	1.63	60.86	35.38	
45	1.50	0.35	2.02	1.17	62.88	36.55	
60	2.00	0.25	2.29	1.33	65.17	37.88	
80	2.50	0.18	5.68	3.30	70.85	41.18	
120	3.00	0.13	53.56	31.15	124.41	72.33	
170	3.50	0.09	22.79	13.26	147.20	85.59	
200	3.75	0.07	2.82	1.64	150.02	87.23	
230	4.00	0.06	1.06	0.62	151.08	87.85	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.44	3.10	2.64	-0.50	-1.15	-2.88	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.18	0.44	2.2	-0.78	2.33		