




Granularmetric Report Depths and elevations based on measured values				 COASTAL TECH Coastal Geology & Sediments Laboratory 1333 Gateway Dr., Suite 1004 Melbourne, FL 32901 Phone (321) 751-1135 Fax (321) 751-2343			
Project Name: Bonita Beach							
Sample Name: B-1 #1							
Analysis Date: 03-01-12							
Analyzed By: LA							
Easting (ft): <div style="text-align: center;">687,547.6</div>		Northing (ft): <div style="text-align: center;">749,955.6</div>		Coordinate System: <div style="text-align: center;">Florida State Plane West</div>		Elevation (ft): <div style="text-align: center;">-11.6 NAVD 88</div>	
USCS: <div style="text-align: center;">SW</div>		Munsell: Wet - 5Y-6/2 Dry - 5Y-7/1		Comments:			
Dry Weight (g): <div style="text-align: center;">132.12</div>	Wash Weight (g): <div style="text-align: center;">132.12</div>	Pan Retained (g): <div style="text-align: center;">0.38</div>	Sieve Loss (%): <div style="text-align: center;">0.11</div>	Fines (%): #200 - 0.52 #230 - 0.41	Organics (%): <div style="text-align: center;">1.20</div>	Carbonates (%): <div style="text-align: center;">51.90</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	1.27	0.96	1.27	0.96	
5/16"	-3.00	8.00	0.00	0.00	1.27	0.96	
3.5	-2.50	5.66	1.36	1.03	2.63	1.99	
4	-2.25	4.76	1.45	1.10	4.08	3.09	
5	-2.00	4.00	1.67	1.26	5.75	4.35	
7	-1.50	2.83	5.11	3.87	10.86	8.22	
10	-1.00	2.00	8.59	6.50	19.45	14.72	
14	-0.50	1.41	13.02	9.85	32.47	24.57	
18	0.00	1.00	12.87	9.74	45.34	34.31	
25	0.50	0.71	11.43	8.65	56.77	42.96	
35	1.00	0.50	9.28	7.02	66.05	49.98	
45	1.50	0.35	7.58	5.74	73.63	55.72	
60	2.00	0.25	8.80	6.66	82.43	62.38	
80	2.50	0.18	12.06	9.13	94.49	71.51	
120	3.00	0.13	27.24	20.62	121.73	92.13	
170	3.50	0.09	9.22	6.98	130.95	99.11	
200	3.75	0.07	0.49	0.37	131.44	99.48	
230	4.00	0.06	0.15	0.11	131.59	99.59	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.21	2.80	2.58	1.00	-0.48	-0.94	-1.92	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.92	0.53	1.72	-0.35	2.1		

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Project Name: Bonita Beach							
Sample Name: B-1 #2							
Analysis Date: 03-01-12							
Analyzed By: LA							
Easting (ft): <div style="text-align: center;">687,547.6</div>		Northing (ft): <div style="text-align: center;">749,955.6</div>		Coordinate System: <div style="text-align: center;">Florida State Plane West</div>		Elevation (ft): <div style="text-align: center;">-14.1 NAVD 88</div>	
USCS: <div style="text-align: center;">SW-SM</div>		Munsell: <div style="text-align: center;">Wet - 5Y-5/1 Dry - 5Y-6/1</div>		Comments:			
Dry Weight (g): <div style="text-align: center;">157.71</div>	Wash Weight (g): <div style="text-align: center;">145.45</div>	Pan Retained (g): <div style="text-align: center;">0.46</div>	Sieve Loss (%): <div style="text-align: center;">0.00</div>	Fines (%): #200 - 9.33 #230 - 8.07	Organics (%): <div style="text-align: center;">1.60</div>	Carbonates (%): <div style="text-align: center;">15.40</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	0.00	0.00	0.00	0.00	
3.5	-2.50	5.66	1.54	0.98	1.54	0.98	
4	-2.25	4.76	0.27	0.17	1.81	1.15	
5	-2.00	4.00	0.59	0.37	2.40	1.52	
7	-1.50	2.83	0.97	0.62	3.37	2.14	
10	-1.00	2.00	1.21	0.77	4.58	2.91	
14	-0.50	1.41	1.39	0.88	5.97	3.79	
18	0.00	1.00	1.34	0.85	7.31	4.64	
25	0.50	0.71	1.31	0.83	8.62	5.47	
35	1.00	0.50	1.19	0.75	9.81	6.22	
45	1.50	0.35	1.01	0.64	10.82	6.86	
60	2.00	0.25	1.67	1.06	12.49	7.92	
80	2.50	0.18	4.14	2.63	16.63	10.55	
120	3.00	0.13	71.48	45.32	88.11	55.87	
170	3.50	0.09	48.03	30.45	136.14	86.32	
200	3.75	0.07	6.86	4.35	143.00	90.67	
230	4.00	0.06	1.99	1.26	144.99	91.93	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.46	3.31	2.94	2.66	2.56	0.22	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.68	0.16	1.09	-3.24	13.96		

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Project Name: Bonita Beach							
Sample Name: B-1 #3							
Analysis Date: 03-01-12							
Analyzed By: LA							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
687,547.6		749,955.6		Florida State Plane West		-17.6 NAVD 88	
USCS:		Munsell:		Comments:			
SM		Wet - 5Y-5/1 Dry - 5Y-6/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
122.03	110.83	1.69	0.01	#200 - 13.47 #230 - 10.57	2.00	8.70	
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	0.05	0.04	0.05	0.04	
7	-1.50	2.83	0.22	0.18	0.27	0.22	
10	-1.00	2.00	0.56	0.46	0.83	0.68	
14	-0.50	1.41	0.95	0.78	1.78	1.46	
18	0.00	1.00	0.85	0.70	2.63	2.16	
25	0.50	0.71	0.59	0.48	3.22	2.64	
35	1.00	0.50	0.60	0.49	3.82	3.13	
45	1.50	0.35	0.74	0.61	4.56	3.74	
60	2.00	0.25	1.32	1.08	5.88	4.82	
80	2.50	0.18	3.01	2.47	8.89	7.29	
120	3.00	0.13	33.16	27.17	42.05	34.46	
170	3.50	0.09	50.03	41.00	92.08	75.46	
200	3.75	0.07	13.51	11.07	105.59	86.53	
230	4.00	0.06	3.54	2.90	109.13	89.43	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.69	3.49	3.19	2.83	2.66	2.04	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.98	0.13	0.77	-3.34	16.88		