




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: Charlotte Co							
Sample Name: CH-12-VC-6 #1							
Analysis Date: 02-10-13							
Analyzed By: MB							
Easting (ft): <div style="text-align: center;">524,752.9</div>		Northing (ft): <div style="text-align: center;">917,041.9</div>		Coordinate System: <div style="text-align: center;">Florida State Plane West</div>		Elevation (ft): <div style="text-align: center;">-36.8 NAVD 88</div>	
USCS: <div style="text-align: center;">SW</div>		Munsell: Wet - 5Y-6/1 Dry - 5Y-7/1		Comments:			
Dry Weight (g): <div style="text-align: center;">155.64</div>	Wash Weight (g): <div style="text-align: center;">155.64</div>	Pan Retained (g): <div style="text-align: center;">0.25</div>	Sieve Loss (%): <div style="text-align: center;">0.00</div>	Fines (%): #200 - 0.24 #230 - 0.17	Organics (%): <div style="text-align: center;">0.88</div>	Carbonates (%): <div style="text-align: center;">29.14</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	
11/16"	-3.50	11.31	0.00	0.00	0.00	0.00	
5/16"	-3.00	8.00	1.47	0.94	1.47	0.94	
3.5	-2.50	5.66	0.78	0.50	2.25	1.44	
4	-2.25	4.76	0.47	0.30	2.72	1.74	
5	-2.00	4.00	0.87	0.56	3.59	2.30	
7	-1.50	2.83	3.35	2.15	6.94	4.45	
10	-1.00	2.00	5.41	3.48	12.35	7.93	
14	-0.50	1.41	6.69	4.30	19.04	12.23	
18	0.00	1.00	6.57	4.22	25.61	16.45	
25	0.50	0.71	7.03	4.52	32.64	20.97	
35	1.00	0.50	8.33	5.35	40.97	26.32	
45	1.50	0.35	17.01	10.93	57.98	37.25	
60	2.00	0.25	50.90	32.70	108.88	69.95	
80	2.50	0.18	36.98	23.76	145.86	93.71	
120	3.00	0.13	8.17	5.25	154.03	98.96	
170	3.50	0.09	1.11	0.71	155.14	99.67	
200	3.75	0.07	0.14	0.09	155.28	99.76	
230	4.00	0.06	0.11	0.07	155.39	99.83	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.62	2.30	2.11	1.69	0.88	-0.05	-1.42	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.28	0.41	1.26	-1.41	4.57		

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Project Name: Charlotte Co							
Sample Name: CH-12-VC-6 #2							
Analysis Date: 02-10-13							
Analyzed By: MB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
524,752.9		917,041.9		Florida State Plane West		-40.3 NAVD 88	
USCS:		Munsell:		Comments:			
SW		Wet - 5Y-6/1 Dry - 2.5Y-7/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
166.90	166.90	0.41	0.05	#200 - 0.40 #230 - 0.31	0.97	33.39	
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	0.62	0.37	0.62	0.37	
4	-2.25	4.76	0.62	0.37	1.24	0.74	
5	-2.00	4.00	0.84	0.50	2.08	1.24	
7	-1.50	2.83	2.96	1.77	5.04	3.01	
10	-1.00	2.00	3.99	2.39	9.03	5.40	
14	-0.50	1.41	8.99	5.39	18.02	10.79	
18	0.00	1.00	13.47	8.07	31.49	18.86	
25	0.50	0.71	16.28	9.75	47.77	28.61	
35	1.00	0.50	18.65	11.17	66.42	39.78	
45	1.50	0.35	21.68	12.99	88.10	52.77	
60	2.00	0.25	27.79	16.65	115.89	69.42	
80	2.50	0.18	34.15	20.46	150.04	89.88	
120	3.00	0.13	12.93	7.75	162.97	97.63	
170	3.50	0.09	2.88	1.73	165.85	99.36	
200	3.75	0.07	0.40	0.24	166.25	99.60	
230	4.00	0.06	0.15	0.09	166.40	99.69	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.83	2.36	2.14	1.39	0.31	-0.18	-1.08	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.16	0.45	1.23	-0.64	2.88		

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Project Name: Charlotte Co							
Sample Name: CH-12-VC-6 #3							
Analysis Date: 02-10-13							
Analyzed By: MB							
Easting (ft): <div style="text-align: center;">524,752.9</div>		Northing (ft): <div style="text-align: center;">917,041.9</div>		Coordinate System: <div style="text-align: center;">Florida State Plane West</div>		Elevation (ft): <div style="text-align: center;">-42.3 NAVD 88</div>	
USCS: <div style="text-align: center;">SM</div>		Munsell: Wet - 5Y-5/1 Dry - 5Y-6/1		Comments:			
Dry Weight (g): <div style="text-align: center;">160.42</div>	Wash Weight (g): <div style="text-align: center;">133.81</div>	Pan Retained (g): <div style="text-align: center;">0.53</div>	Sieve Loss (%): <div style="text-align: center;">0.18</div>	Fines (%): #200 - 18.47 #230 - 17.10	Organics (%): <div style="text-align: center;">2.18</div>	Carbonates (%): <div style="text-align: center;">40.99</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	
11/16"	-3.50	11.31	2.06	1.28	2.06	1.28	
5/16"	-3.00	8.00	3.47	2.16	5.53	3.44	
3.5	-2.50	5.66	4.08	2.54	9.61	5.98	
4	-2.25	4.76	2.02	1.26	11.63	7.24	
5	-2.00	4.00	2.10	1.31	13.73	8.55	
7	-1.50	2.83	3.98	2.48	17.71	11.03	
10	-1.00	2.00	3.98	2.48	21.69	13.51	
14	-0.50	1.41	6.39	3.98	28.08	17.49	
18	0.00	1.00	8.45	5.27	36.53	22.76	
25	0.50	0.71	10.80	6.73	47.33	29.49	
35	1.00	0.50	12.01	7.49	59.34	36.98	
45	1.50	0.35	11.27	7.03	70.61	44.01	
60	2.00	0.25	10.58	6.60	81.19	50.61	
80	2.50	0.18	11.58	7.22	92.77	57.83	
120	3.00	0.13	17.99	11.21	110.76	69.04	
170	3.50	0.09	15.51	9.67	126.27	78.71	
200	3.75	0.07	4.53	2.82	130.80	81.53	
230	4.00	0.06	2.19	1.37	132.99	82.90	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
		3.31	1.95	0.17	-0.69	-2.69	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.03	0.49	1.95	-0.64	2.53		