




<b>Granularmetric Report</b> Depths and elevations based on measured values				 <b>COASTAL TECH</b> 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-14 #1							
Analysis Date: 03-01-13							
Analyzed By: MB							
Easting (ft): <div style="text-align: center;">531,084.5</div>		Northing (ft): <div style="text-align: center;">897,580.8</div>		Coordinate System: <div style="text-align: center;">Florida State Plane West</div>		Elevation (ft): <div style="text-align: center;">-35.2 NAVD 88</div>	
USCS: <div style="text-align: center;">SW</div>		Munsell: <div style="text-align: center;">Wet - 5Y-6/1 Dry - 5Y-6.5/1</div>		Comments:			
Dry Weight (g): <div style="text-align: center;">172.83</div>	Wash Weight (g): <div style="text-align: center;">172.83</div>	Pan Retained (g): <div style="text-align: center;">0.27</div>	Sieve Loss (%): <div style="text-align: center;">0.12</div>	Fines (%): #200 - 0.31 #230 - 0.27	Organics (%): <div style="text-align: center;">0.97</div>	Carbonates (%): <div style="text-align: center;">42.53</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	1.07	0.62	1.07	0.62	
5/16"	-3.00	8.00	1.55	0.90	2.62	1.52	
3.5	-2.50	5.66	1.77	1.02	4.39	2.54	
4	-2.25	4.76	0.84	0.49	5.23	3.03	
5	-2.00	4.00	1.29	0.75	6.52	3.78	
7	-1.50	2.83	2.76	1.60	9.28	5.38	
10	-1.00	2.00	3.02	1.75	12.30	7.13	
14	-0.50	1.41	6.90	3.99	19.20	11.12	
18	0.00	1.00	11.06	6.40	30.26	17.52	
25	0.50	0.71	16.49	9.54	46.75	27.06	
35	1.00	0.50	23.11	13.37	69.86	40.43	
45	1.50	0.35	38.46	22.25	108.32	62.68	
60	2.00	0.25	36.61	21.18	144.93	83.86	
80	2.50	0.18	21.22	12.28	166.15	96.14	
120	3.00	0.13	4.82	2.79	170.97	98.93	
170	3.50	0.09	1.12	0.65	172.09	99.58	
200	3.75	0.07	0.19	0.11	172.28	99.69	
230	4.00	0.06	0.07	0.04	172.35	99.73	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.45	2.01	1.79	1.22	0.39	-0.12	-1.62	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.95	0.52	1.23	-1.29	5.08		

<b>Granularmetric Report</b> Depths and elevations based on measured values				 <b>COASTAL TECH</b> 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-14 #2							
Analysis Date: 03-01-13							
Analyzed By: MB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
531,084.5		897,580.8		Florida State Plane West		-38.2 NAVD 88	
USCS:		Munsell:		Comments:			
SW		Wet - 2.5Y-6/1 Dry - 2.5Y-7/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
167.83	162.12	0.15	0.00	#200 - 3.63 #230 - 3.49	1.37	47.33	
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	3.09	1.84	3.09	1.84	
5/16"	-3.00	8.00	2.20	1.31	5.29	3.15	
3.5	-2.50	5.66	1.89	1.13	7.18	4.28	
4	-2.25	4.76	0.73	0.43	7.91	4.71	
5	-2.00	4.00	1.63	0.97	9.54	5.68	
7	-1.50	2.83	2.55	1.52	12.09	7.20	
10	-1.00	2.00	4.36	2.60	16.45	9.80	
14	-0.50	1.41	8.57	5.11	25.02	14.91	
18	0.00	1.00	12.06	7.19	37.08	22.10	
25	0.50	0.71	13.67	8.15	50.75	30.25	
35	1.00	0.50	15.57	9.28	66.32	39.53	
45	1.50	0.35	22.21	13.23	88.53	52.76	
60	2.00	0.25	29.62	17.65	118.15	70.41	
80	2.50	0.18	28.50	16.98	146.65	87.39	
120	3.00	0.13	11.38	6.78	158.03	94.17	
170	3.50	0.09	3.19	1.90	161.22	96.07	
200	3.75	0.07	0.51	0.30	161.73	96.37	
230	4.00	0.06	0.24	0.14	161.97	96.51	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.22	2.40	2.14	1.40	0.18	-0.42	-2.18	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.96	0.51	1.52	-1.1	4.03		

<b>Granularmetric Report</b> Depths and elevations based on measured values				 <b>COASTAL TECH</b> 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-14 #3							
Analysis Date: 03-01-13							
Analyzed By: MB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
531,084.5		897,580.8		Florida State Plane West		-39.7 NAVD 88	
USCS:		Munsell:		Comments:			
SM		Wet - 5Y-6/1 Dry - 2.5Y-7/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
168.48	148.25	0.85	0.00	#200 - 14.20 #230 - 12.51	1.27	21.00	
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	1.08	0.64	1.08	0.64	
4	-2.25	4.76	0.09	0.05	1.17	0.69	
5	-2.00	4.00	0.86	0.51	2.03	1.20	
7	-1.50	2.83	1.28	0.76	3.31	1.96	
10	-1.00	2.00	1.75	1.04	5.06	3.00	
14	-0.50	1.41	2.00	1.19	7.06	4.19	
18	0.00	1.00	2.70	1.60	9.76	5.79	
25	0.50	0.71	3.36	1.99	13.12	7.78	
35	1.00	0.50	4.46	2.65	17.58	10.43	
45	1.50	0.35	8.29	4.92	25.87	15.35	
60	2.00	0.25	15.73	9.34	41.60	24.69	
80	2.50	0.18	30.03	17.82	71.63	42.51	
120	3.00	0.13	42.99	25.52	114.62	68.03	
170	3.50	0.09	24.46	14.52	139.08	82.55	
200	3.75	0.07	5.47	3.25	144.55	85.80	
230	4.00	0.06	2.85	1.69	147.40	87.49	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.61	3.24	2.65	2.01	1.53	-0.25	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.22	0.21	1.2	-1.76	6.57		