




Granularmetric Report Depths and elevations based on measured values				 COASTAL TECH Coastal Geology & Sediments Laboratory 715 North Drive Suite E Melbourne, FL 32934 Phone (321) 751-1135 Fax (321) 751-2343			
Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-A13 #1							
Analysis Date:							
Analyzed By: JB							
Easting (ft): <div style="text-align: center;">930,990</div>		Northing (ft): <div style="text-align: center;">1,080,447</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-35.6 NAVD 88</div>	
USCS: <div style="text-align: center;">SW</div>		Munsell: Wet - 2.5Y-5/2 Dry - 2.5Y-6/2		Comments:			
Dry Weight (g): <div style="text-align: center;">182.17</div>	Wash Weight (g): <div style="text-align: center;">182.17</div>	Pan Retained (g): <div style="text-align: center;">0.21</div>	Sieve Loss (%): <div style="text-align: center;">0.00</div>	Fines (%): #200 - 0.12 #230 - 0.10	Organics (%): <div style="text-align: center;">1.90</div>	Carbonates (%): <div style="text-align: center;">81.00</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	0.57	0.31	0.57	0.31	
5/16"	-3.00	8.00	0.49	0.27	1.06	0.58	
3.5	-2.50	5.66	0.74	0.41	1.80	0.99	
4	-2.25	4.76	0.27	0.15	2.07	1.14	
5	-2.00	4.00	0.41	0.23	2.48	1.37	
7	-1.50	2.83	1.57	0.86	4.05	2.23	
10	-1.00	2.00	2.78	1.53	6.83	3.76	
14	-0.50	1.41	5.47	3.00	12.30	6.76	
18	0.00	1.00	13.37	7.34	25.67	14.10	
25	0.50	0.71	28.22	15.49	53.89	29.59	
35	1.00	0.50	48.20	26.46	102.09	56.05	
45	1.50	0.35	47.23	25.93	149.32	81.98	
60	2.00	0.25	25.29	13.88	174.61	95.86	
80	2.50	0.18	5.94	3.26	180.55	99.12	
120	3.00	0.13	1.02	0.56	181.57	99.68	
170	3.50	0.09	0.21	0.12	181.78	99.80	
200	3.75	0.07	0.14	0.08	181.92	99.88	
230	4.00	0.06	0.04	0.02	181.96	99.90	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
1.97	1.57	1.37	0.89	0.35	0.06	-0.79	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.79	0.58	0.89	-1.26	6.82		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-A13 #2							
Analysis Date:							
Analyzed By: JB							
Easting (ft): <div style="text-align: center;">930,990</div>		Northing (ft): <div style="text-align: center;">1,080,447</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-39.1 NAVD 88</div>	
USCS: <div style="text-align: center;">SP</div>		Munsell: Wet - 2.5Y-5/2 Dry - 2.5Y-6/2		Comments:			
Dry Weight (g): <div style="text-align: center;">172.30</div>	Wash Weight (g): <div style="text-align: center;">172.30</div>	Pan Retained (g): <div style="text-align: center;">0.16</div>	Sieve Loss (%): <div style="text-align: center;">0.00</div>	Fines (%): #200 - 0.12 #230 - 0.10	Organics (%): <div style="text-align: center;">1.80</div>	Carbonates (%): <div style="text-align: center;">81.30</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	
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	0.47	0.27	0.47	0.27	
4	-2.25	4.76	0.35	0.20	0.82	0.47	
5	-2.00	4.00	0.37	0.21	1.19	0.68	
7	-1.50	2.83	1.10	0.64	2.29	1.32	
10	-1.00	2.00	2.05	1.19	4.34	2.51	
14	-0.50	1.41	4.91	2.85	9.25	5.36	
18	0.00	1.00	9.40	5.46	18.65	10.82	
25	0.50	0.71	21.27	12.34	39.92	23.16	
35	1.00	0.50	42.50	24.67	82.42	47.83	
45	1.50	0.35	53.84	31.25	136.26	79.08	
60	2.00	0.25	28.13	16.33	164.39	95.41	
80	2.50	0.18	5.97	3.46	170.36	98.87	
120	3.00	0.13	1.29	0.75	171.65	99.62	
170	3.50	0.09	0.34	0.20	171.99	99.82	
200	3.75	0.07	0.11	0.06	172.10	99.88	
230	4.00	0.06	0.04	0.02	172.14	99.90	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
1.99	1.65	1.43	1.03	0.54	0.21	-0.56	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.92	0.53	0.8	-0.96	5.36		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-A13 #3							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
930,990		1,080,447		Florida State Plane East		-41.1 NAVD 88	
USCS:		Munsell:		Comments:			
SW		Wet - 2.5Y-5/2 Dry - 2.5Y-6/2					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
166.94	166.94	0.32	0.00	#200 - 0.25 #230 - 0.20	1.80	85.10	
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	2.62	1.57	2.62	1.57	
5/16"	-3.00	8.00	1.39	0.83	4.01	2.40	
3.5	-2.50	5.66	1.92	1.15	5.93	3.55	
4	-2.25	4.76	1.19	0.71	7.12	4.26	
5	-2.00	4.00	1.30	0.78	8.42	5.04	
7	-1.50	2.83	3.83	2.29	12.25	7.33	
10	-1.00	2.00	8.10	4.85	20.35	12.18	
14	-0.50	1.41	13.60	8.15	33.95	20.33	
18	0.00	1.00	20.60	12.34	54.55	32.67	
25	0.50	0.71	27.24	16.32	81.79	48.99	
35	1.00	0.50	32.67	19.57	114.46	68.56	
45	1.50	0.35	24.93	14.93	139.39	83.49	
60	2.00	0.25	16.45	9.85	155.84	93.34	
80	2.50	0.18	7.15	4.28	162.99	97.62	
120	3.00	0.13	2.80	1.68	165.79	99.30	
170	3.50	0.09	0.58	0.35	166.37	99.65	
200	3.75	0.07	0.16	0.10	166.53	99.75	
230	4.00	0.06	0.09	0.05	166.62	99.80	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.19	1.53	1.22	0.53	-0.31	-0.77	-2.01	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.36	0.78	1.26	-0.81	4.15		