





<b>Granularmetric Report</b> Depths and elevations based on measured values				 <b>COASTAL TECH</b> 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-C98 #1							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
934,914		1,105,572		Florida State Plane East		-37.6 NAVD 88	
USCS:		Munsell:		Comments:			
SW		Wet - 2.5Y-5/3 Dry - 2.5Y-6/2					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
190.16	190.16	0.09	0.00	#200 - 0.05 #230 - 0.03	1.90	82.80	
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	5.91	3.11	5.91	3.11	
5/16"	-3.00	8.00	2.80	1.47	8.71	4.58	
3.5	-2.50	5.66	4.12	2.17	12.83	6.75	
4	-2.25	4.76	1.37	0.72	14.20	7.47	
5	-2.00	4.00	1.42	0.75	15.62	8.22	
7	-1.50	2.83	4.34	2.28	19.96	10.50	
10	-1.00	2.00	7.97	4.19	27.93	14.69	
14	-0.50	1.41	12.54	6.59	40.47	21.28	
18	0.00	1.00	19.03	10.01	59.50	31.29	
25	0.50	0.71	27.63	14.53	87.13	45.82	
35	1.00	0.50	39.24	20.64	126.37	66.46	
45	1.50	0.35	35.93	18.89	162.30	85.35	
60	2.00	0.25	20.32	10.69	182.62	96.04	
80	2.50	0.18	6.02	3.17	188.64	99.21	
120	3.00	0.13	1.18	0.62	189.82	99.83	
170	3.50	0.09	0.17	0.09	189.99	99.92	
200	3.75	0.07	0.05	0.03	190.04	99.95	
230	4.00	0.06	0.03	0.02	190.07	99.97	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
1.95	1.46	1.23	0.60	-0.31	-0.90	-2.90	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.28	0.82	1.38	-1.17	4.2		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-C98 #2							
Analysis Date:							
Analyzed By: JB							
Easting (ft): <div style="text-align: center;">934,914</div>		Northing (ft): <div style="text-align: center;">1,105,572</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-42.6 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;">209.34</div>	Wash Weight (g): <div style="text-align: center;">209.34</div>	Pan Retained (g): <div style="text-align: center;">0.40</div>	Sieve Loss (%): <div style="text-align: center;">0.00</div>	Fines (%): #200 - 0.24 #230 - 0.18	Organics (%): <div style="text-align: center;">1.90</div>	Carbonates (%): <div style="text-align: center;">81.40</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	
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	0.00	0.00	0.00	0.00	
4	-2.25	4.76	0.00	0.00	0.00	0.00	
5	-2.00	4.00	0.23	0.11	0.23	0.11	
7	-1.50	2.83	0.87	0.42	1.10	0.53	
10	-1.00	2.00	2.00	0.96	3.10	1.49	
14	-0.50	1.41	5.48	2.62	8.58	4.11	
18	0.00	1.00	10.08	4.82	18.66	8.93	
25	0.50	0.71	20.81	9.94	39.47	18.87	
35	1.00	0.50	45.60	21.78	85.07	40.65	
45	1.50	0.35	63.21	30.19	148.28	70.84	
60	2.00	0.25	41.93	20.03	190.21	90.87	
80	2.50	0.18	14.72	7.03	204.93	97.90	
120	3.00	0.13	3.03	1.45	207.96	99.35	
170	3.50	0.09	0.58	0.28	208.54	99.63	
200	3.75	0.07	0.27	0.13	208.81	99.76	
230	4.00	0.06	0.13	0.06	208.94	99.82	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.29	1.83	1.60	1.15	0.64	0.36	-0.41	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.08	0.47	0.79	-0.58	4.1		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-C98 #3							
Analysis Date:							
Analyzed By: JB							
Easting (ft): <div style="text-align: center;">934,914</div>		Northing (ft): <div style="text-align: center;">1,105,572</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-46.6 NAVD 88</div>	
USCS: <div style="text-align: center;">SW</div>		Munsell: Wet - 2.5Y-5/3 Dry - 2.5Y-6/2		Comments:			
Dry Weight (g): <div style="text-align: center;">186.46</div>	Wash Weight (g): <div style="text-align: center;">186.46</div>	Pan Retained (g): <div style="text-align: center;">0.66</div>	Sieve Loss (%): <div style="text-align: center;">0.00</div>	Fines (%): #200 - 0.50 #230 - 0.36	Organics (%): <div style="text-align: center;">1.80</div>	Carbonates (%): <div style="text-align: center;">85.60</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	0.74	0.40	0.74	0.40	
3.5	-2.50	5.66	0.60	0.32	1.34	0.72	
4	-2.25	4.76	0.22	0.12	1.56	0.84	
5	-2.00	4.00	0.35	0.19	1.91	1.03	
7	-1.50	2.83	3.20	1.72	5.11	2.75	
10	-1.00	2.00	7.35	3.94	12.46	6.69	
14	-0.50	1.41	14.10	7.56	26.56	14.25	
18	0.00	1.00	21.64	11.61	48.20	25.86	
25	0.50	0.71	30.10	16.14	78.30	42.00	
35	1.00	0.50	37.58	20.15	115.88	62.15	
45	1.50	0.35	30.36	16.28	146.24	78.43	
60	2.00	0.25	23.51	12.61	169.75	91.04	
80	2.50	0.18	11.27	6.04	181.02	97.08	
120	3.00	0.13	3.27	1.75	184.29	98.83	
170	3.50	0.09	0.89	0.48	185.18	99.31	
200	3.75	0.07	0.36	0.19	185.54	99.50	
230	4.00	0.06	0.26	0.14	185.80	99.64	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.33	1.72	1.39	0.70	-0.04	-0.42	-1.21	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.64	0.64	1.07	-0.33	3.41		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-C98 #4							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
934,914		1,105,572		Florida State Plane East		-47.6 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 (%):
207.88	201.07	0.13	0.00	#200 - 3.58 #230 - 3.34	1.90	87.30	
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
3/4"	-4.25	19.03	3.96	1.90	3.96	1.90	
5/8"	-4.00	16.00	0.00	0.00	3.96	1.90	
11/16"	-3.50	11.31	1.76	0.85	5.72	2.75	
5/16"	-3.00	8.00	3.03	1.46	8.75	4.21	
3.5	-2.50	5.66	3.48	1.67	12.23	5.88	
4	-2.25	4.76	1.09	0.52	13.32	6.40	
5	-2.00	4.00	2.91	1.40	16.23	7.80	
7	-1.50	2.83	5.55	2.67	21.78	10.47	
10	-1.00	2.00	9.86	4.74	31.64	15.21	
14	-0.50	1.41	15.97	7.68	47.61	22.89	
18	0.00	1.00	19.31	9.29	66.92	32.18	
25	0.50	0.71	22.45	10.80	89.37	42.98	
35	1.00	0.50	26.37	12.69	115.74	55.67	
45	1.50	0.35	27.02	13.00	142.76	68.67	
60	2.00	0.25	30.63	14.73	173.39	83.40	
80	2.50	0.18	18.30	8.80	191.69	92.20	
120	3.00	0.13	6.28	3.02	197.97	95.22	
170	3.50	0.09	1.82	0.88	199.79	96.10	
200	3.75	0.07	0.66	0.32	200.45	96.42	
230	4.00	0.06	0.49	0.24	200.94	96.66	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.96	2.03	1.71	0.78	-0.39	-0.95	-2.76	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.45	0.73	1.44	-0.45	3.07		