




<b>Granularmetric Report</b> Depths and elevations based on measured values				 <b>COASTAL TECH</b> Coastal Geology & Sediments Laboratory			
Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-C100 #1							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
933,892		1,106,561		Florida State Plane East		-44.6 NAVD 88	
USCS:		Munsell:		Comments:			
SW		Wet - 2.5Y-4/3 Dry - 2.5Y-6/2					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
131.30	131.30	0.23	0.00	#200 - 0.28 #230 - 0.17	2.40	67.80	
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	4.00	3.05	4.00	3.05	
5/16"	-3.00	8.00	1.61	1.23	5.61	4.28	
3.5	-2.50	5.66	1.23	0.94	6.84	5.22	
4	-2.25	4.76	0.81	0.62	7.65	5.84	
5	-2.00	4.00	0.84	0.64	8.49	6.48	
7	-1.50	2.83	3.26	2.48	11.75	8.96	
10	-1.00	2.00	5.44	4.14	17.19	13.10	
14	-0.50	1.41	8.73	6.65	25.92	19.75	
18	0.00	1.00	10.98	8.36	36.90	28.11	
25	0.50	0.71	13.20	10.05	50.10	38.16	
35	1.00	0.50	16.98	12.93	67.08	51.09	
45	1.50	0.35	20.54	15.64	87.62	66.73	
60	2.00	0.25	23.83	18.15	111.45	84.88	
80	2.50	0.18	13.77	10.49	125.22	95.37	
120	3.00	0.13	4.73	3.60	129.95	98.97	
170	3.50	0.09	0.81	0.62	130.76	99.59	
200	3.75	0.07	0.17	0.13	130.93	99.72	
230	4.00	0.06	0.14	0.11	131.07	99.83	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.48	1.98	1.73	0.96	-0.19	-0.78	-2.62	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.63	0.65	1.51	-1.02	3.87		

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Project Name: 2011 SLC Geotech Investigation				715 North Drive Suite E Melbourne, FL 32934 Phone (321) 751-1135 Fax (321) 751-2343			
Sample Name: SLC-11-C100 #2							
Analysis Date:							
Analyzed By: JB							
Easting (ft): <div style="text-align: center;">933,892</div>		Northing (ft): <div style="text-align: center;">1,106,561</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-47.1 NAVD 88</div>	
USCS: <div style="text-align: center;">SW</div>		Munsell: Wet - 2.5Y-4/3 Dry - 2.5Y-6/2		Comments:			
Dry Weight (g): <div style="text-align: center;">140.72</div>	Wash Weight (g): <div style="text-align: center;">140.72</div>	Pan Retained (g): <div style="text-align: center;">0.48</div>	Sieve Loss (%): <div style="text-align: center;">0.00</div>	Fines (%): #200 - 0.47 #230 - 0.35	Organics (%): <div style="text-align: center;">2.40</div>	Carbonates (%): <div style="text-align: center;">65.70</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	1.06	0.75	1.06	0.75	
5/16"	-3.00	8.00	0.55	0.39	1.61	1.14	
3.5	-2.50	5.66	0.79	0.56	2.40	1.70	
4	-2.25	4.76	0.23	0.16	2.63	1.86	
5	-2.00	4.00	0.07	0.05	2.70	1.91	
7	-1.50	2.83	0.74	0.53	3.44	2.44	
10	-1.00	2.00	1.40	0.99	4.84	3.43	
14	-0.50	1.41	2.93	2.08	7.77	5.51	
18	0.00	1.00	4.13	2.93	11.90	8.44	
25	0.50	0.71	6.88	4.89	18.78	13.33	
35	1.00	0.50	14.70	10.45	33.48	23.78	
45	1.50	0.35	26.89	19.11	60.37	42.89	
60	2.00	0.25	42.45	30.17	102.82	73.06	
80	2.50	0.18	28.29	20.10	131.11	93.16	
120	3.00	0.13	7.13	5.07	138.24	98.23	
170	3.50	0.09	1.42	1.01	139.66	99.24	
200	3.75	0.07	0.41	0.29	140.07	99.53	
230	4.00	0.06	0.17	0.12	140.24	99.65	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.68	2.27	2.05	1.62	1.03	0.63	-0.62	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.4	0.38	1.08	-1.88	8.59		

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Project Name: 2011 SLC Geotech Investigation				715 North Drive Suite E Melbourne, FL 32934 Phone (321) 751-1135 Fax (321) 751-2343			
Sample Name: SLC-11-C100 #3							
Analysis Date:							
Analyzed By: JB							
Easting (ft): <b>933,892</b>		Northing (ft): <b>1,106,561</b>		Coordinate System: <b>Florida State Plane East</b>		Elevation (ft): <b>-48.6 NAVD 88</b>	
USCS: <b>SW</b>		Munsell: Wet - 2.5Y-5/3 Dry - 2.5Y-6/3		Comments:			
Dry Weight (g): <b>152.22</b>	Wash Weight (g): <b>152.22</b>	Pan Retained (g): <b>0.35</b>	Sieve Loss (%): <b>0.00</b>	Fines (%): #200 - 0.33 #230 - 0.23	Organics (%): <b>1.90</b>	Carbonates (%): <b>70.10</b>	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	10.23	6.72	10.23	6.72	
11/16"	-3.50	11.31	8.06	5.29	18.29	12.01	
5/16"	-3.00	8.00	5.92	3.89	24.21	15.90	
3.5	-2.50	5.66	9.90	6.50	34.11	22.40	
4	-2.25	4.76	3.51	2.31	37.62	24.71	
5	-2.00	4.00	4.31	2.83	41.93	27.54	
7	-1.50	2.83	9.31	6.12	51.24	33.66	
10	-1.00	2.00	9.93	6.52	61.17	40.18	
14	-0.50	1.41	11.53	7.57	72.70	47.75	
18	0.00	1.00	12.78	8.40	85.48	56.15	
25	0.50	0.71	12.19	8.01	97.67	64.16	
35	1.00	0.50	13.20	8.67	110.87	72.83	
45	1.50	0.35	14.54	9.55	125.41	82.38	
60	2.00	0.25	14.98	9.84	140.39	92.22	
80	2.50	0.18	7.79	5.12	148.18	97.34	
120	3.00	0.13	2.77	1.82	150.95	99.16	
170	3.50	0.09	0.61	0.40	151.56	99.56	
200	3.75	0.07	0.16	0.11	151.72	99.67	
230	4.00	0.06	0.15	0.10	151.87	99.77	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.27	1.58	1.11	-0.37	-2.22	-2.99	-4.06	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	-0.6	1.52	2	-0.24	1.94		