




<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-A03 #1							
Analysis Date:							
Analyzed By: JB							
Easting (ft): <b>932,996</b>		Northing (ft): <b>1,077,443</b>		Coordinate System: <b>Florida State Plane East</b>		Elevation (ft): <b>-40.7 NAVD 88</b>	
USCS: <b>SW</b>		Munsell: Wet - 2.5Y-5/3 Dry - 2.5Y-6/2		Comments:			
Dry Weight (g): <b>111.34</b>	Wash Weight (g): <b>111.34</b>	Pan Retained (g): <b>0.02</b>	Sieve Loss (%): <b>0.00</b>	Fines (%): #200 - 0.04 #230 - 0.00	Organics (%): <b>2.00</b>	Carbonates (%): <b>78.40</b>	Shells (%):
<b>Sieve Number</b>	<b>Sieve Size (Phi)</b>	<b>Sieve Size (Millimeters)</b>	<b>Grams Retained</b>	<b>% Weight Retained</b>	<b>Cum. Grams Retained</b>	<b>C. % Weight Retained</b>	
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	0.21	0.19	0.21	0.19	
3.5	-2.50	5.66	0.07	0.06	0.28	0.25	
4	-2.25	4.76	0.04	0.04	0.32	0.29	
5	-2.00	4.00	0.23	0.21	0.55	0.50	
7	-1.50	2.83	0.62	0.56	1.17	1.06	
10	-1.00	2.00	1.30	1.17	2.47	2.23	
14	-0.50	1.41	3.35	3.01	5.82	5.24	
18	0.00	1.00	4.52	4.06	10.34	9.30	
25	0.50	0.71	13.38	12.02	23.72	21.32	
35	1.00	0.50	21.83	19.61	45.55	40.93	
45	1.50	0.35	29.00	26.05	74.55	66.98	
60	2.00	0.25	25.91	23.27	100.46	90.25	
80	2.50	0.18	9.17	8.24	109.63	98.49	
120	3.00	0.13	1.21	1.09	110.84	99.58	
170	3.50	0.09	0.35	0.31	111.19	99.89	
200	3.75	0.07	0.08	0.07	111.27	99.96	
230	4.00	0.06	0.05	0.04	111.32	100.00	
<b>Phi 5</b>	<b>Phi 16</b>	<b>Phi 25</b>	<b>Phi 50</b>	<b>Phi 75</b>	<b>Phi 84</b>	<b>Phi 95</b>	
2.29	1.87	1.67	1.17	0.59	0.28	-0.54	
<b>Moment</b>	<b>Mean Phi</b>	<b>Mean mm</b>	<b>Sorting</b>	<b>Skewness</b>	<b>Kurtosis</b>		
<b>Statistics</b>	1.07	0.48	0.86	-0.91	4.99		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-A03 #2							
Analysis Date:							
Analyzed By: JB							
Easting (ft): <b>932,996</b>		Northing (ft): <b>1,077,443</b>		Coordinate System: <b>Florida State Plane East</b>		Elevation (ft): <b>-44.7 NAVD 88</b>	
USCS: <b>SP</b>		Munsell: Wet - 5Y-4/2 Dry - 5Y-5/2		Comments:			
Dry Weight (g): <b>138.50</b>	Wash Weight (g): <b>138.50</b>	Pan Retained (g): <b>0.77</b>	Sieve Loss (%): <b>0.00</b>	Fines (%): #200 - 0.87 #230 - 0.56	Organics (%): <b>1.80</b>	Carbonates (%): <b>72.90</b>	Shells (%):
<b>Sieve Number</b>	<b>Sieve Size (Phi)</b>	<b>Sieve Size (Millimeters)</b>	<b>Grams Retained</b>	<b>% Weight Retained</b>	<b>Cum. Grams Retained</b>	<b>C. % Weight Retained</b>	
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	0.06	0.04	0.06	0.04	
4	-2.25	4.76	0.12	0.09	0.18	0.13	
5	-2.00	4.00	0.20	0.14	0.38	0.27	
7	-1.50	2.83	0.07	0.05	0.45	0.32	
10	-1.00	2.00	0.35	0.25	0.80	0.57	
14	-0.50	1.41	0.97	0.70	1.77	1.27	
18	0.00	1.00	2.79	2.01	4.56	3.28	
25	0.50	0.71	7.77	5.61	12.33	8.89	
35	1.00	0.50	20.08	14.50	32.41	23.39	
45	1.50	0.35	36.29	26.20	68.70	49.59	
60	2.00	0.25	38.01	27.44	106.71	77.03	
80	2.50	0.18	20.59	14.87	127.30	91.90	
120	3.00	0.13	7.27	5.25	134.57	97.15	
170	3.50	0.09	2.03	1.47	136.60	98.62	
200	3.75	0.07	0.70	0.51	137.30	99.13	
230	4.00	0.06	0.43	0.31	137.73	99.44	
<b>Phi 5</b>	<b>Phi 16</b>	<b>Phi 25</b>	<b>Phi 50</b>	<b>Phi 75</b>	<b>Phi 84</b>	<b>Phi 95</b>	
2.80	2.23	1.96	1.51	1.03	0.75	0.15	
<b>Moment</b>	<b>Mean Phi</b>	<b>Mean mm</b>	<b>Sorting</b>	<b>Skewness</b>	<b>Kurtosis</b>		
<b>Statistics</b>	1.47	0.36	0.79	-0.42	4.83		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-A03 #3							
Analysis Date:							
Analyzed By: JB							
Easting (ft): <b>932,996</b>		Northing (ft): <b>1,077,443</b>		Coordinate System: <b>Florida State Plane East</b>		Elevation (ft): <b>-48.2 NAVD 88</b>	
USCS: <b>SW</b>		Munsell: Wet - 5Y-4/2 Dry - 5Y-5/2		Comments:			
Dry Weight (g): <b>135.22</b>	Wash Weight (g): <b>135.22</b>	Pan Retained (g): <b>0.71</b>	Sieve Loss (%): <b>0.07</b>	Fines (%): #200 - 0.85 #230 - 0.59	Organics (%): <b>1.90</b>	Carbonates (%): <b>78.00</b>	Shells (%):
<b>Sieve Number</b>	<b>Sieve Size (Phi)</b>	<b>Sieve Size (Millimeters)</b>	<b>Grams Retained</b>	<b>% Weight Retained</b>	<b>Cum. Grams Retained</b>	<b>C. % Weight Retained</b>	
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	1.59	1.18	1.59	1.18	
3.5	-2.50	5.66	0.67	0.50	2.26	1.68	
4	-2.25	4.76	0.04	0.03	2.30	1.71	
5	-2.00	4.00	0.03	0.02	2.33	1.73	
7	-1.50	2.83	0.29	0.21	2.62	1.94	
10	-1.00	2.00	0.65	0.48	3.27	2.42	
14	-0.50	1.41	1.88	1.39	5.15	3.81	
18	0.00	1.00	5.01	3.71	10.16	7.52	
25	0.50	0.71	13.25	9.80	23.41	17.32	
35	1.00	0.50	31.79	23.51	55.20	40.83	
45	1.50	0.35	39.28	29.05	94.48	69.88	
60	2.00	0.25	22.82	16.88	117.30	86.76	
80	2.50	0.18	10.04	7.42	127.34	94.18	
120	3.00	0.13	4.58	3.39	131.92	97.57	
170	3.50	0.09	1.65	1.22	133.57	98.79	
200	3.75	0.07	0.49	0.36	134.06	99.15	
230	4.00	0.06	0.35	0.26	134.41	99.41	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.62	1.92	1.65	1.16	0.66	0.43	-0.34	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.11	0.46	0.97	-1.23	8.07		