






<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-C104 #1							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
934,235		1,107,567		Florida State Plane East		-42.9 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 (%):
148.60	148.60	0.12	0.00	#200 - 0.14 #230 - 0.08	2.00	68.90	
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	0.61	0.41	0.61	0.41	
3.5	-2.50	5.66	1.04	0.70	1.65	1.11	
4	-2.25	4.76	0.68	0.46	2.33	1.57	
5	-2.00	4.00	0.68	0.46	3.01	2.03	
7	-1.50	2.83	1.66	1.12	4.67	3.15	
10	-1.00	2.00	3.48	2.34	8.15	5.49	
14	-0.50	1.41	7.29	4.91	15.44	10.40	
18	0.00	1.00	11.91	8.01	27.35	18.41	
25	0.50	0.71	19.53	13.14	46.88	31.55	
35	1.00	0.50	30.14	20.28	77.02	51.83	
45	1.50	0.35	34.81	23.43	111.83	75.26	
60	2.00	0.25	25.48	17.15	137.31	92.41	
80	2.50	0.18	5.93	3.99	143.24	96.40	
120	3.00	0.13	2.48	1.67	145.72	98.07	
170	3.50	0.09	2.16	1.45	147.88	99.52	
200	3.75	0.07	0.51	0.34	148.39	99.86	
230	4.00	0.06	0.09	0.06	148.48	99.92	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.32	1.75	1.49	0.95	0.25	-0.15	-1.10	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.82	0.57	1.06	-0.72	4.49		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-C104 #2							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
934,235		1,107,567		Florida State Plane East		-46.4 NAVD 88	
USCS:		Munsell:		Comments:			
SW		Wet - 5Y-5/2 Dry - 2.5Y-6/2					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
175.16	175.16	0.52	0.02	#200 - 0.42 #230 - 0.32	1.80	69.50	
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	2.84	1.62	2.84	1.62	
11/16"	-3.50	11.31	8.54	4.88	11.38	6.50	
5/16"	-3.00	8.00	4.48	2.56	15.86	9.06	
3.5	-2.50	5.66	8.81	5.03	24.67	14.09	
4	-2.25	4.76	2.99	1.71	27.66	15.80	
5	-2.00	4.00	4.41	2.52	32.07	18.32	
7	-1.50	2.83	9.78	5.58	41.85	23.90	
10	-1.00	2.00	12.32	7.03	54.17	30.93	
14	-0.50	1.41	17.78	10.15	71.95	41.08	
18	0.00	1.00	18.93	10.81	90.88	51.89	
25	0.50	0.71	18.61	10.62	109.49	62.51	
35	1.00	0.50	19.00	10.85	128.49	73.36	
45	1.50	0.35	17.48	9.98	145.97	83.34	
60	2.00	0.25	15.30	8.73	161.27	92.07	
80	2.50	0.18	8.42	4.81	169.69	96.88	
120	3.00	0.13	3.55	2.03	173.24	98.91	
170	3.50	0.09	0.93	0.53	174.17	99.44	
200	3.75	0.07	0.25	0.14	174.42	99.58	
230	4.00	0.06	0.18	0.10	174.60	99.68	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.30	1.54	1.08	-0.09	-1.42	-2.23	-3.65	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	-0.28	1.21	1.75	-0.37	2.41		

<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-C104 #3							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
934,235		1,107,567		Florida State Plane East		-49.4 NAVD 88	
USCS:		Munsell:		Comments:			
SW		Wet - 2.5Y-4/2 Dry - 5Y-6/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
144.64	144.64	0.84	0.00	#200 - 0.72 #230 - 0.58	1.90	68.00	
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	0.91	0.63	0.91	0.63	
3.5	-2.50	5.66	0.00	0.00	0.91	0.63	
4	-2.25	4.76	0.14	0.10	1.05	0.73	
5	-2.00	4.00	0.19	0.13	1.24	0.86	
7	-1.50	2.83	0.83	0.57	2.07	1.43	
10	-1.00	2.00	1.26	0.87	3.33	2.30	
14	-0.50	1.41	4.17	2.88	7.50	5.18	
18	0.00	1.00	7.62	5.27	15.12	10.45	
25	0.50	0.71	13.04	9.02	28.16	19.47	
35	1.00	0.50	21.64	14.96	49.80	34.43	
45	1.50	0.35	28.35	19.60	78.15	54.03	
60	2.00	0.25	34.90	24.13	113.05	78.16	
80	2.50	0.18	22.80	15.76	135.85	93.92	
120	3.00	0.13	6.15	4.25	142.00	98.17	
170	3.50	0.09	1.24	0.86	143.24	99.03	
200	3.75	0.07	0.36	0.25	143.60	99.28	
230	4.00	0.06	0.20	0.14	143.80	99.42	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.63	2.19	1.93	1.40	0.68	0.31	-0.53	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.24	0.42	1	-1	5.22		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-C104 #4							
Analysis Date:							
Analyzed By: JB							
Easting (ft): <div style="text-align: center;">934,235</div>		Northing (ft): <div style="text-align: center;">1,107,567</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-53.9 NAVD 88</div>	
USCS: <div style="text-align: center;">SW</div>		Munsell: Wet - 2.5Y-5/2 Dry - 2.5Y-7/1		Comments:			
Dry Weight (g): <div style="text-align: center;">155.05</div>	Wash Weight (g): <div style="text-align: center;">155.05</div>	Pan Retained (g): <div style="text-align: center;">0.85</div>	Sieve Loss (%): <div style="text-align: center;">0.00</div>	Fines (%): #200 - 0.70 #230 - 0.57	Organics (%): <div style="text-align: center;">2.00</div>	Carbonates (%): <div style="text-align: center;">69.60</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	4.41	2.84	4.41	2.84	
5/16"	-3.00	8.00	1.60	1.03	6.01	3.87	
3.5	-2.50	5.66	1.43	0.92	7.44	4.79	
4	-2.25	4.76	0.42	0.27	7.86	5.06	
5	-2.00	4.00	0.88	0.57	8.74	5.63	
7	-1.50	2.83	2.08	1.34	10.82	6.97	
10	-1.00	2.00	2.85	1.84	13.67	8.81	
14	-0.50	1.41	5.38	3.47	19.05	12.28	
18	0.00	1.00	11.10	7.16	30.15	19.44	
25	0.50	0.71	21.73	14.01	51.88	33.45	
35	1.00	0.50	32.19	20.76	84.07	54.21	
45	1.50	0.35	28.44	18.34	112.51	72.55	
60	2.00	0.25	22.26	14.36	134.77	86.91	
80	2.50	0.18	11.91	7.68	146.68	94.59	
120	3.00	0.13	5.51	3.55	152.19	98.14	
170	3.50	0.09	1.40	0.90	153.59	99.04	
200	3.75	0.07	0.41	0.26	154.00	99.30	
230	4.00	0.06	0.20	0.13	154.20	99.43	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.56	1.90	1.59	0.90	0.20	-0.24	-2.31	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.72	0.61	1.37	-1.29	5.36		

<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-C104 #5							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
934,235		1,107,567		Florida State Plane East		-55.6 NAVD 88	
USCS:		Munsell:		Comments:			
SW		Wet - 5Y-3/1 Dry - 2.5Y-5/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
125.48	125.48	2.68	0.00	#200 - 2.83 #230 - 2.13	2.00	65.30	
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
3/4"	-4.25	19.03	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	3.24	2.58	3.24	2.58	
5/16"	-3.00	8.00	2.11	1.68	5.35	4.26	
3.5	-2.50	5.66	1.75	1.39	7.10	5.65	
4	-2.25	4.76	0.34	0.27	7.44	5.92	
5	-2.00	4.00	0.31	0.25	7.75	6.17	
7	-1.50	2.83	0.41	0.33	8.16	6.50	
10	-1.00	2.00	0.81	0.65	8.97	7.15	
14	-0.50	1.41	1.53	1.22	10.50	8.37	
18	0.00	1.00	2.72	2.17	13.22	10.54	
25	0.50	0.71	4.49	3.58	17.71	14.12	
35	1.00	0.50	8.71	6.94	26.42	21.06	
45	1.50	0.35	13.01	10.37	39.43	31.43	
60	2.00	0.25	19.90	15.86	59.33	47.29	
80	2.50	0.18	24.52	19.54	83.85	66.83	
120	3.00	0.13	26.12	20.82	109.97	87.65	
170	3.50	0.09	9.26	7.38	119.23	95.03	
200	3.75	0.07	2.69	2.14	121.92	97.17	
230	4.00	0.06	0.88	0.70	122.80	97.87	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.50	2.91	2.70	2.07	1.19	0.64	-2.73	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.63	0.32	1.6	-1.8	6.25		