






Granularmetric Report Depths and elevations based on measured values				 COASTAL TECH Coastal Geology & Sediments Laboratory			
Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-A33 #1							
Analysis Date:							
Analyzed By: LA							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
933,006		1,086,454		Florida State Plane East		-34.1 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 (%):
192.06	192.06	0.58	0.06	#200 - 0.38 #230 - 0.36	1.70	75.00	
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	0.00	0.00	0.00	0.00	
3.5	-2.50	5.66	0.50	0.26	0.50	0.26	
4	-2.25	4.76	0.14	0.07	0.64	0.33	
5	-2.00	4.00	0.59	0.31	1.23	0.64	
7	-1.50	2.83	1.53	0.80	2.76	1.44	
10	-1.00	2.00	3.14	1.63	5.90	3.07	
14	-0.50	1.41	6.56	3.42	12.46	6.49	
18	0.00	1.00	10.65	5.55	23.11	12.04	
25	0.50	0.71	18.17	9.46	41.28	21.50	
35	1.00	0.50	35.12	18.29	76.40	39.79	
45	1.50	0.35	55.30	28.79	131.70	68.58	
60	2.00	0.25	47.46	24.71	179.16	93.29	
80	2.50	0.18	10.41	5.42	189.57	98.71	
120	3.00	0.13	1.37	0.71	190.94	99.42	
170	3.50	0.09	0.31	0.16	191.25	99.58	
200	3.75	0.07	0.08	0.04	191.33	99.62	
230	4.00	0.06	0.04	0.02	191.37	99.64	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.16	1.81	1.63	1.18	0.60	0.21	-0.72	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.02	0.49	0.87	-1.07	4.72		

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-A33 #2							
Analysis Date:							
Analyzed By: LA							
Easting (ft): <div style="text-align: center;">933,006</div>		Northing (ft): <div style="text-align: center;">1,086,454</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-36.6 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;">145.47</div>	Wash Weight (g): <div style="text-align: center;">143.98</div>	Pan Retained (g): <div style="text-align: center;">0.11</div>	Sieve Loss (%): <div style="text-align: center;">0.00</div>	Fines (%): #200 - 1.28 #230 - 1.09	Organics (%): <div style="text-align: center;">1.70</div>	Carbonates (%): <div style="text-align: center;">75.00</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	0.00	0.00	0.00	0.00	
5/16"	-3.00	8.00	0.38	0.26	0.38	0.26	
3.5	-2.50	5.66	0.22	0.15	0.60	0.41	
4	-2.25	4.76	0.19	0.13	0.79	0.54	
5	-2.00	4.00	0.16	0.11	0.95	0.65	
7	-1.50	2.83	0.52	0.36	1.47	1.01	
10	-1.00	2.00	0.97	0.67	2.44	1.68	
14	-0.50	1.41	1.74	1.20	4.18	2.88	
18	0.00	1.00	3.24	2.23	7.42	5.11	
25	0.50	0.71	6.33	4.35	13.75	9.46	
35	1.00	0.50	14.88	10.23	28.63	19.69	
45	1.50	0.35	30.76	21.15	59.39	40.84	
60	2.00	0.25	48.66	33.45	108.05	74.29	
80	2.50	0.18	28.31	19.46	136.36	93.75	
120	3.00	0.13	6.09	4.19	142.45	97.94	
170	3.50	0.09	0.79	0.54	143.24	98.48	
200	3.75	0.07	0.35	0.24	143.59	98.72	
230	4.00	0.06	0.28	0.19	143.87	98.91	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.65	2.25	2.02	1.64	1.13	0.82	-0.02	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.49	0.36	0.85	-1.52	7.93		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-A33 #3							
Analysis Date:							
Analyzed By: LA							
Easting (ft): <div style="text-align: center;">933,006</div>		Northing (ft): <div style="text-align: center;">1,086,454</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-41.1 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;">149.66</div>	Wash Weight (g): <div style="text-align: center;">145.26</div>	Pan Retained (g): <div style="text-align: center;">0.31</div>	Sieve Loss (%): <div style="text-align: center;">0.13</div>	Fines (%): #200 - 3.82 #230 - 3.27	Organics (%): <div style="text-align: center;">1.70</div>	Carbonates (%): <div style="text-align: center;">81.20</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	3.15	2.10	3.15	2.10	
5/16"	-3.00	8.00	0.73	0.49	3.88	2.59	
3.5	-2.50	5.66	0.27	0.18	4.15	2.77	
4	-2.25	4.76	0.15	0.10	4.30	2.87	
5	-2.00	4.00	0.24	0.16	4.54	3.03	
7	-1.50	2.83	1.12	0.75	5.66	3.78	
10	-1.00	2.00	2.03	1.36	7.69	5.14	
14	-0.50	1.41	4.53	3.03	12.22	8.17	
18	0.00	1.00	8.06	5.39	20.28	13.56	
25	0.50	0.71	13.37	8.93	33.65	22.49	
35	1.00	0.50	21.98	14.69	55.63	37.18	
45	1.50	0.35	28.37	18.96	84.00	56.14	
60	2.00	0.25	32.17	21.50	116.17	77.64	
80	2.50	0.18	17.03	11.38	133.20	89.02	
120	3.00	0.13	7.08	4.73	140.28	93.75	
170	3.50	0.09	2.61	1.74	142.89	95.49	
200	3.75	0.07	1.03	0.69	143.92	96.18	
230	4.00	0.06	0.83	0.55	144.75	96.73	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.36	2.28	1.94	1.34	0.59	0.14	-1.05	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.1	0.47	1.29	-1.4	6.45		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-A33 #4							
Analysis Date:							
Analyzed By: LA							
Easting (ft): <div style="text-align: center;">933,006</div>		Northing (ft): <div style="text-align: center;">1,086,454</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-5/2 Dry - 2.5Y-6/2		Comments:			
Dry Weight (g): <div style="text-align: center;">121.99</div>	Wash Weight (g): <div style="text-align: center;">118.26</div>	Pan Retained (g): <div style="text-align: center;">0.20</div>	Sieve Loss (%): <div style="text-align: center;">0.03</div>	Fines (%): #200 - 3.49 #230 - 3.24	Organics (%): <div style="text-align: center;">1.60</div>	Carbonates (%): <div style="text-align: center;">80.50</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	2.13	1.75	2.13	1.75	
5/16"	-3.00	8.00	0.31	0.25	2.44	2.00	
3.5	-2.50	5.66	0.00	0.00	2.44	2.00	
4	-2.25	4.76	0.03	0.02	2.47	2.02	
5	-2.00	4.00	0.34	0.28	2.81	2.30	
7	-1.50	2.83	0.74	0.61	3.55	2.91	
10	-1.00	2.00	0.93	0.76	4.48	3.67	
14	-0.50	1.41	3.01	2.47	7.49	6.14	
18	0.00	1.00	5.93	4.86	13.42	11.00	
25	0.50	0.71	12.06	9.89	25.48	20.89	
35	1.00	0.50	22.55	18.49	48.03	39.38	
45	1.50	0.35	26.96	22.10	74.99	61.48	
60	2.00	0.25	20.65	16.93	95.64	78.41	
80	2.50	0.18	13.91	11.40	109.55	89.81	
120	3.00	0.13	5.62	4.61	115.17	94.42	
170	3.50	0.09	1.96	1.61	117.13	96.03	
200	3.75	0.07	0.59	0.48	117.72	96.51	
230	4.00	0.06	0.30	0.25	118.02	96.76	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.18	2.25	1.90	1.24	0.61	0.25	-0.73	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.1	0.47	1.17	-1.41	7.34		

Granularmetric Report Depths and elevations based on measured values				 COASTAL TECH Coastal Geology & Sediments Laboratory			
Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-A33 #5							
Analysis Date:							
Analyzed By: LA							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
933,006		1,086,454		Florida State Plane East		-51.1 NAVD 88	
USCS:		Munsell:		Comments:			
SP-SM		Wet - 2.5Y-3/1 Dry - 2.5Y-5/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
143.64	136.58	0.50	0.00	#200 - 6.11 #230 - 5.25	1.50	63.40	
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	0.00	0.00	0.00	0.00	
7	-1.50	2.83	0.06	0.04	0.06	0.04	
10	-1.00	2.00	0.17	0.12	0.23	0.16	
14	-0.50	1.41	0.40	0.28	0.63	0.44	
18	0.00	1.00	0.79	0.55	1.42	0.99	
25	0.50	0.71	1.51	1.05	2.93	2.04	
35	1.00	0.50	2.74	1.91	5.67	3.95	
45	1.50	0.35	5.42	3.77	11.09	7.72	
60	2.00	0.25	19.13	13.32	30.22	21.04	
80	2.50	0.18	55.06	38.33	85.28	59.37	
120	3.00	0.13	38.72	26.96	124.00	86.33	
170	3.50	0.09	9.03	6.29	133.03	92.62	
200	3.75	0.07	1.82	1.27	134.85	93.89	
230	4.00	0.06	1.23	0.86	136.08	94.75	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	2.96	2.79	2.38	2.05	1.81	1.14	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.3	0.20	0.66	-1.24	7.18		