






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-A29 #1							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
932,000		1,085,453		Florida State Plane East		-33.4 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 (%):
153.08	153.08	0.25	0.00	#200 - 0.24 #230 - 0.17	2.00	79.50	
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	2.43	1.59	2.43	1.59	
11/16"	-3.50	11.31	0.00	0.00	2.43	1.59	
5/16"	-3.00	8.00	0.00	0.00	2.43	1.59	
3.5	-2.50	5.66	0.16	0.10	2.59	1.69	
4	-2.25	4.76	0.09	0.06	2.68	1.75	
5	-2.00	4.00	0.22	0.14	2.90	1.89	
7	-1.50	2.83	0.94	0.61	3.84	2.50	
10	-1.00	2.00	2.25	1.47	6.09	3.97	
14	-0.50	1.41	3.12	2.04	9.21	6.01	
18	0.00	1.00	5.88	3.84	15.09	9.85	
25	0.50	0.71	11.06	7.22	26.15	17.07	
35	1.00	0.50	22.48	14.69	48.63	31.76	
45	1.50	0.35	41.29	26.97	89.92	58.73	
60	2.00	0.25	49.00	32.01	138.92	90.74	
80	2.50	0.18	11.08	7.24	150.00	97.98	
120	3.00	0.13	1.94	1.27	151.94	99.25	
170	3.50	0.09	0.59	0.39	152.53	99.64	
200	3.75	0.07	0.19	0.12	152.72	99.76	
230	4.00	0.06	0.11	0.07	152.83	99.83	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.29	1.89	1.75	1.34	0.77	0.43	-0.75	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.12	0.46	1.06	-2.32	11.42		

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-A29 #2							
Analysis Date:							
Analyzed By: JB							
Easting (ft): <div style="text-align: center;">932,000</div>		Northing (ft): <div style="text-align: center;">1,085,453</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-36.9 NAVD 88</div>	
USCS: <div style="text-align: center;">SP</div>		Munsell: Wet - 2.5Y-5/3 Dry - 2.5Y-6/3		Comments:			
Dry Weight (g): <div style="text-align: center;">152.71</div>	Wash Weight (g): <div style="text-align: center;">152.71</div>	Pan Retained (g): <div style="text-align: center;">0.22</div>	Sieve Loss (%): <div style="text-align: center;">0.00</div>	Fines (%): #200 - 0.18 #230 - 0.15	Organics (%): <div style="text-align: center;">2.00</div>	Carbonates (%): <div style="text-align: center;">82.00</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	0.26	0.17	0.26	0.17	
3.5	-2.50	5.66	0.20	0.13	0.46	0.30	
4	-2.25	4.76	0.19	0.12	0.65	0.42	
5	-2.00	4.00	0.46	0.30	1.11	0.72	
7	-1.50	2.83	0.64	0.42	1.75	1.14	
10	-1.00	2.00	1.95	1.28	3.70	2.42	
14	-0.50	1.41	4.37	2.86	8.07	5.28	
18	0.00	1.00	8.99	5.89	17.06	11.17	
25	0.50	0.71	20.14	13.19	37.20	24.36	
35	1.00	0.50	39.60	25.93	76.80	50.29	
45	1.50	0.35	46.81	30.65	123.61	80.94	
60	2.00	0.25	23.11	15.13	146.72	96.07	
80	2.50	0.18	4.49	2.94	151.21	99.01	
120	3.00	0.13	0.90	0.59	152.11	99.60	
170	3.50	0.09	0.26	0.17	152.37	99.77	
200	3.75	0.07	0.08	0.05	152.45	99.82	
230	4.00	0.06	0.04	0.03	152.49	99.85	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
1.96	1.60	1.40	0.99	0.51	0.18	-0.55	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.89	0.54	0.79	-1	5.75		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-A29 #3							
Analysis Date:							
Analyzed By: LA							
Easting (ft): <div style="text-align: center;">932,000</div>		Northing (ft): <div style="text-align: center;">1,085,453</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-39.9 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;">122.94</div>	Wash Weight (g): <div style="text-align: center;">119.59</div>	Pan Retained (g): <div style="text-align: center;">0.12</div>	Sieve Loss (%): <div style="text-align: center;">0.00</div>	Fines (%): #200 - 3.06 #230 - 2.82	Organics (%): <div style="text-align: center;">1.90</div>	Carbonates (%): <div style="text-align: center;">76.70</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	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	0.35	0.28	0.35	0.28	
4	-2.25	4.76	0.00	0.00	0.35	0.28	
5	-2.00	4.00	0.07	0.06	0.42	0.34	
7	-1.50	2.83	0.31	0.25	0.73	0.59	
10	-1.00	2.00	0.78	0.63	1.51	1.22	
14	-0.50	1.41	1.83	1.49	3.34	2.71	
18	0.00	1.00	3.31	2.69	6.65	5.40	
25	0.50	0.71	7.22	5.87	13.87	11.27	
35	1.00	0.50	17.41	14.16	31.28	25.43	
45	1.50	0.35	32.75	26.64	64.03	52.07	
60	2.00	0.25	32.87	26.74	96.90	78.81	
80	2.50	0.18	15.17	12.34	112.07	91.15	
120	3.00	0.13	4.57	3.72	116.64	94.87	
170	3.50	0.09	1.89	1.54	118.53	96.41	
200	3.75	0.07	0.65	0.53	119.18	96.94	
230	4.00	0.06	0.29	0.24	119.47	97.18	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.04	2.21	1.93	1.46	0.98	0.67	-0.07	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.38	0.38	0.84	-0.7	5.44		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-A29 #4							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
932,000		1,085,453		Florida State Plane East		-41.7 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 (%):
126.24	122.33	0.20	0.00	#200 - 3.66 #230 - 3.26	2.00	80.10	
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	0.30	0.24	0.30	0.24	
5	-2.00	4.00	0.27	0.21	0.57	0.45	
7	-1.50	2.83	1.02	0.81	1.59	1.26	
10	-1.00	2.00	2.31	1.83	3.90	3.09	
14	-0.50	1.41	3.40	2.69	7.30	5.78	
18	0.00	1.00	5.44	4.31	12.74	10.09	
25	0.50	0.71	9.93	7.87	22.67	17.96	
35	1.00	0.50	20.11	15.93	42.78	33.89	
45	1.50	0.35	30.02	23.78	72.80	57.67	
60	2.00	0.25	27.63	21.89	100.43	79.56	
80	2.50	0.18	12.44	9.85	112.87	89.41	
120	3.00	0.13	5.59	4.43	118.46	93.84	
170	3.50	0.09	2.34	1.85	120.80	95.69	
200	3.75	0.07	0.82	0.65	121.62	96.34	
230	4.00	0.06	0.51	0.40	122.13	96.74	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.31	2.23	1.90	1.34	0.72	0.38	-0.64	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.22	0.43	0.99	-0.53	3.99		

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-A29 #5							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
932,000		1,085,453		Florida State Plane East		-46.4 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 (%):
140.34	136.80	0.18	0.04	#200 - 3.01 #230 - 2.70	1.90	78.30	
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	2.32	1.65	2.32	1.65	
5/16"	-3.00	8.00	0.00	0.00	2.32	1.65	
3.5	-2.50	5.66	0.52	0.37	2.84	2.02	
4	-2.25	4.76	0.10	0.07	2.94	2.09	
5	-2.00	4.00	0.37	0.26	3.31	2.35	
7	-1.50	2.83	0.68	0.48	3.99	2.83	
10	-1.00	2.00	1.50	1.07	5.49	3.90	
14	-0.50	1.41	2.88	2.05	8.37	5.95	
18	0.00	1.00	5.30	3.78	13.67	9.73	
25	0.50	0.71	11.45	8.16	25.12	17.89	
35	1.00	0.50	23.51	16.75	48.63	34.64	
45	1.50	0.35	35.75	25.47	84.38	60.11	
60	2.00	0.25	27.84	19.84	112.22	79.95	
80	2.50	0.18	13.81	9.84	126.03	89.79	
120	3.00	0.13	6.50	4.63	132.53	94.42	
170	3.50	0.09	2.62	1.87	135.15	96.29	
200	3.75	0.07	0.98	0.70	136.13	96.99	
230	4.00	0.06	0.43	0.31	136.56	97.30	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.16	2.21	1.88	1.30	0.71	0.38	-0.73	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.16	0.45	1.15	-1.49	7.77		