






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-A08 #1							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
931,991		1,079,672		Florida State Plane East		-29.5 NAVD 88	
USCS:		Munsell:		Comments:			
SP		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 (%):
133.99	133.99	0.07	0.00	#200 - 0.11 #230 - 0.04	1.90	82.90	
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	0.00	0.00	0.00	0.00	
3.5	-2.50	5.66	0.20	0.15	0.20	0.15	
4	-2.25	4.76	0.00	0.00	0.20	0.15	
5	-2.00	4.00	0.20	0.15	0.40	0.30	
7	-1.50	2.83	0.49	0.37	0.89	0.67	
10	-1.00	2.00	1.12	0.84	2.01	1.51	
14	-0.50	1.41	2.84	2.12	4.85	3.63	
18	0.00	1.00	6.67	4.98	11.52	8.61	
25	0.50	0.71	15.81	11.80	27.33	20.41	
35	1.00	0.50	31.47	23.49	58.80	43.90	
45	1.50	0.35	39.78	29.69	98.58	73.59	
60	2.00	0.25	27.54	20.55	126.12	94.14	
80	2.50	0.18	5.85	4.37	131.97	98.51	
120	3.00	0.13	1.21	0.90	133.18	99.41	
170	3.50	0.09	0.47	0.35	133.65	99.76	
200	3.75	0.07	0.18	0.13	133.83	99.89	
230	4.00	0.06	0.09	0.07	133.92	99.96	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.10	1.75	1.53	1.10	0.60	0.31	-0.36	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.03	0.49	0.77	-0.66	4.88		

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-A08 #2							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
931,991		1,079,672		Florida State Plane East		-34.0 NAVD 88	
USCS:		Munsell:		Comments:			
SP		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 (%):
143.84	143.84	0.11	0.00	#200 - 0.14 #230 - 0.08	1.80	79.90	
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	0.00	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	0.06	0.04	0.06	0.04	
5	-2.00	4.00	0.16	0.11	0.22	0.15	
7	-1.50	2.83	0.37	0.26	0.59	0.41	
10	-1.00	2.00	0.91	0.63	1.50	1.04	
14	-0.50	1.41	2.55	1.77	4.05	2.81	
18	0.00	1.00	5.77	4.01	9.82	6.82	
25	0.50	0.71	15.82	11.00	25.64	17.82	
35	1.00	0.50	34.82	24.21	60.46	42.03	
45	1.50	0.35	43.97	30.57	104.43	72.60	
60	2.00	0.25	31.59	21.96	136.02	94.56	
80	2.50	0.18	6.36	4.42	142.38	98.98	
120	3.00	0.13	0.82	0.57	143.20	99.55	
170	3.50	0.09	0.31	0.22	143.51	99.77	
200	3.75	0.07	0.13	0.09	143.64	99.86	
230	4.00	0.06	0.09	0.06	143.73	99.92	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.05	1.76	1.55	1.13	0.65	0.42	-0.23	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.07	0.48	0.71	-0.63	4.6		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-A08 #3							
Analysis Date:							
Analyzed By: JB							
Easting (ft): <div style="text-align: center;">931,991</div>		Northing (ft): <div style="text-align: center;">1,079,672</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-37.5 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;">159.45</div>	Wash Weight (g): <div style="text-align: center;">159.45</div>	Pan Retained (g): <div style="text-align: center;">0.30</div>	Sieve Loss (%): <div style="text-align: center;">0.02</div>	Fines (%): #200 - 0.32 #230 - 0.21	Organics (%): <div style="text-align: center;">1.80</div>	Carbonates (%): <div style="text-align: center;">79.50</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	0.57	0.36	0.57	0.36	
5/16"	-3.00	8.00	1.55	0.97	2.12	1.33	
3.5	-2.50	5.66	0.12	0.08	2.24	1.41	
4	-2.25	4.76	0.13	0.08	2.37	1.49	
5	-2.00	4.00	0.06	0.04	2.43	1.53	
7	-1.50	2.83	0.44	0.28	2.87	1.81	
10	-1.00	2.00	1.04	0.65	3.91	2.46	
14	-0.50	1.41	2.73	1.71	6.64	4.17	
18	0.00	1.00	6.80	4.26	13.44	8.43	
25	0.50	0.71	15.82	9.92	29.26	18.35	
35	1.00	0.50	30.95	19.41	60.21	37.76	
45	1.50	0.35	40.68	25.51	100.89	63.27	
60	2.00	0.25	37.58	23.57	138.47	86.84	
80	2.50	0.18	16.44	10.31	154.91	97.15	
120	3.00	0.13	3.07	1.93	157.98	99.08	
170	3.50	0.09	0.75	0.47	158.73	99.55	
200	3.75	0.07	0.21	0.13	158.94	99.68	
230	4.00	0.06	0.18	0.11	159.12	99.79	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.40	1.94	1.75	1.24	0.67	0.38	-0.40	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.13	0.46	0.96	-1.6	8.69		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-A08 #4							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
931,991		1,079,672		Florida State Plane East		-38.5 NAVD 88	
USCS:		Munsell:		Comments:			
SW		Wet - 2.5Y-5/2 Dry - 2.5Y-7/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
140.65	138.66	0.11	0.14	#200 - 1.74 #230 - 1.63	1.80	85.70	
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	0.93	0.66	0.93	0.66	
11/16"	-3.50	11.31	3.23	2.30	4.16	2.96	
5/16"	-3.00	8.00	3.73	2.65	7.89	5.61	
3.5	-2.50	5.66	2.93	2.08	10.82	7.69	
4	-2.25	4.76	1.65	1.17	12.47	8.86	
5	-2.00	4.00	3.30	2.35	15.77	11.21	
7	-1.50	2.83	5.68	4.04	21.45	15.25	
10	-1.00	2.00	5.94	4.22	27.39	19.47	
14	-0.50	1.41	9.49	6.75	36.88	26.22	
18	0.00	1.00	10.63	7.56	47.51	33.78	
25	0.50	0.71	14.14	10.05	61.65	43.83	
35	1.00	0.50	20.14	14.32	81.79	58.15	
45	1.50	0.35	20.81	14.80	102.60	72.95	
60	2.00	0.25	18.94	13.47	121.54	86.42	
80	2.50	0.18	13.14	9.34	134.68	95.76	
120	3.00	0.13	2.48	1.76	137.16	97.52	
170	3.50	0.09	0.77	0.55	137.93	98.07	
200	3.75	0.07	0.27	0.19	138.20	98.26	
230	4.00	0.06	0.16	0.11	138.36	98.37	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.46	1.91	1.58	0.72	-0.59	-1.41	-3.12	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.32	0.80	1.63	-0.8	3.02		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-A08 #5							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
931,991		1,079,672		Florida State Plane East		-43.5 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 (%):
131.36	131.36	0.92	0.11	#200 - 1.23 #230 - 0.80	1.80	75.40	
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	0.43	0.33	0.43	0.33	
3.5	-2.50	5.66	0.46	0.35	0.89	0.68	
4	-2.25	4.76	0.00	0.00	0.89	0.68	
5	-2.00	4.00	0.10	0.08	0.99	0.76	
7	-1.50	2.83	0.65	0.49	1.64	1.25	
10	-1.00	2.00	0.76	0.58	2.40	1.83	
14	-0.50	1.41	2.01	1.53	4.41	3.36	
18	0.00	1.00	4.15	3.16	8.56	6.52	
25	0.50	0.71	9.86	7.51	18.42	14.03	
35	1.00	0.50	20.69	15.75	39.11	29.78	
45	1.50	0.35	34.22	26.05	73.33	55.83	
60	2.00	0.25	37.11	28.25	110.44	84.08	
80	2.50	0.18	13.52	10.29	123.96	94.37	
120	3.00	0.13	3.74	2.85	127.70	97.22	
170	3.50	0.09	1.41	1.07	129.11	98.29	
200	3.75	0.07	0.63	0.48	129.74	98.77	
230	4.00	0.06	0.56	0.43	130.30	99.20	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.61	2.00	1.84	1.39	0.85	0.56	-0.24	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.29	0.41	0.89	-1.03	6.85		