




Granularmetric Report Depths and elevations based on measured values				 COASTAL TECH Coastal Geology & Sediments Laboratory			
Project Name: 2011 SLC Geotech Investigation				715 North Drive Suite E Melbourne, FL 32934 Phone (321) 751-1135 Fax (321) 751-2343			
Sample Name: SLC-11-A01 #1							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
932,943		1,076,473		Florida State Plane East		-44.6 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 (%):
143.40	143.40	0.22	0.05	#200 - 0.27 #230 - 0.21	1.90	75.90	
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	0.87	0.61	0.87	0.61	
11/16"	-3.50	11.31	0.26	0.18	1.13	0.79	
5/16"	-3.00	8.00	0.00	0.00	1.13	0.79	
3.5	-2.50	5.66	0.63	0.44	1.76	1.23	
4	-2.25	4.76	0.17	0.12	1.93	1.35	
5	-2.00	4.00	0.29	0.20	2.22	1.55	
7	-1.50	2.83	0.87	0.61	3.09	2.16	
10	-1.00	2.00	1.39	0.97	4.48	3.13	
14	-0.50	1.41	3.66	2.55	8.14	5.68	
18	0.00	1.00	6.36	4.44	14.50	10.12	
25	0.50	0.71	11.66	8.13	26.16	18.25	
35	1.00	0.50	21.89	15.26	48.05	33.51	
45	1.50	0.35	31.97	22.29	80.02	55.80	
60	2.00	0.25	39.68	27.67	119.70	83.47	
80	2.50	0.18	18.81	13.12	138.51	96.59	
120	3.00	0.13	3.43	2.39	141.94	98.98	
170	3.50	0.09	0.89	0.62	142.83	99.60	
200	3.75	0.07	0.19	0.13	143.02	99.73	
230	4.00	0.06	0.09	0.06	143.11	99.79	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.44	2.02	1.85	1.37	0.72	0.36	-0.63	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.18	0.44	1.03	-1.68	8.39		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-A01 #2							
Analysis Date:							
Analyzed By: JB							
Easting (ft): <div style="text-align: center;">932,943</div>		Northing (ft): <div style="text-align: center;">1,076,473</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-48.1 NAVD 88</div>	
USCS: <div style="text-align: center;">SW</div>		Munsell: Wet - 5Y-4/2 Dry - 5Y-5/2		Comments:			
Dry Weight (g): <div style="text-align: center;">127.48</div>	Wash Weight (g): <div style="text-align: center;">127.48</div>	Pan Retained (g): <div style="text-align: center;">0.76</div>	Sieve Loss (%): <div style="text-align: center;">0.09</div>	Fines (%): #200 - 0.75 #230 - 0.68	Organics (%): <div style="text-align: center;">1.90</div>	Carbonates (%): <div style="text-align: center;">74.00</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	0.00	0.00	0.00	0.00	
3.5	-2.50	5.66	0.13	0.10	0.13	0.10	
4	-2.25	4.76	0.07	0.05	0.20	0.15	
5	-2.00	4.00	0.47	0.37	0.67	0.52	
7	-1.50	2.83	0.74	0.58	1.41	1.10	
10	-1.00	2.00	1.85	1.45	3.26	2.55	
14	-0.50	1.41	3.47	2.72	6.73	5.27	
18	0.00	1.00	6.30	4.94	13.03	10.21	
25	0.50	0.71	11.56	9.07	24.59	19.28	
35	1.00	0.50	20.93	16.42	45.52	35.70	
45	1.50	0.35	40.09	31.45	85.61	67.15	
60	2.00	0.25	28.64	22.47	114.25	89.62	
80	2.50	0.18	9.42	7.39	123.67	97.01	
120	3.00	0.13	2.11	1.66	125.78	98.67	
170	3.50	0.09	0.49	0.38	126.27	99.05	
200	3.75	0.07	0.25	0.20	126.52	99.25	
230	4.00	0.06	0.09	0.07	126.61	99.32	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.36	1.87	1.67	1.23	0.67	0.32	-0.55	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.1	0.47	0.86	-0.87	4.68		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-A01 #3							
Analysis Date:							
Analyzed By: JB							
Easting (ft): 932,943		Northing (ft): 1,076,473		Coordinate System: Florida State Plane East		Elevation (ft): -51.1 NAVD 88	
USCS: SW		Munsell: Wet - 5Y-4/2 Dry - 5Y-5/2		Comments:			
Dry Weight (g): 139.00	Wash Weight (g): 139.00	Pan Retained (g): 1.00	Sieve Loss (%): 0.23	Fines (%): #200 - 1.27 #230 - 0.96	Organics (%): 2.10	Carbonates (%): 78.10	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	0.27	0.19	0.27	0.19	
5/16"	-3.00	8.00	0.01	0.01	0.28	0.20	
3.5	-2.50	5.66	0.06	0.04	0.34	0.24	
4	-2.25	4.76	0.08	0.06	0.42	0.30	
5	-2.00	4.00	0.06	0.04	0.48	0.34	
7	-1.50	2.83	0.20	0.14	0.68	0.48	
10	-1.00	2.00	0.50	0.36	1.18	0.84	
14	-0.50	1.41	1.90	1.37	3.08	2.21	
18	0.00	1.00	4.37	3.14	7.45	5.35	
25	0.50	0.71	12.16	8.75	19.61	14.10	
35	1.00	0.50	29.80	21.44	49.41	35.54	
45	1.50	0.35	37.18	26.75	86.59	62.29	
60	2.00	0.25	26.62	19.15	113.21	81.44	
80	2.50	0.18	16.21	11.66	129.42	93.10	
120	3.00	0.13	5.12	3.68	134.54	96.78	
170	3.50	0.09	1.96	1.41	136.50	98.19	
200	3.75	0.07	0.75	0.54	137.25	98.73	
230	4.00	0.06	0.43	0.31	137.68	99.04	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.76	2.11	1.83	1.27	0.75	0.54	-0.06	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.27	0.41	0.86	-0.45	5.86		