





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-C108 #1							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
935,218		1,108,574		Florida State Plane East		-42.8 NAVD 88	
USCS:		Munsell:		Comments:			
SW WITH GRAVEL		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 (%):
167.99	167.99	0.55	0.00	#200 - 0.40 #230 - 0.34	1.80	72.30	
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
3/4"	-4.25	19.03	1.37	0.82	1.37	0.82	
5/8"	-4.00	16.00	0.00	0.00	1.37	0.82	
11/16"	-3.50	11.31	15.59	9.28	16.96	10.10	
5/16"	-3.00	8.00	18.02	10.73	34.98	20.83	
3.5	-2.50	5.66	9.28	5.52	44.26	26.35	
4	-2.25	4.76	2.52	1.50	46.78	27.85	
5	-2.00	4.00	3.13	1.86	49.91	29.71	
7	-1.50	2.83	7.65	4.55	57.56	34.26	
10	-1.00	2.00	8.54	5.08	66.10	39.34	
14	-0.50	1.41	11.81	7.03	77.91	46.37	
18	0.00	1.00	12.50	7.44	90.41	53.81	
25	0.50	0.71	14.64	8.71	105.05	62.52	
35	1.00	0.50	19.08	11.36	124.13	73.88	
45	1.50	0.35	18.64	11.10	142.77	84.98	
60	2.00	0.25	14.84	8.83	157.61	93.81	
80	2.50	0.18	7.23	4.30	164.84	98.11	
120	3.00	0.13	1.86	1.11	166.70	99.22	
170	3.50	0.09	0.49	0.29	167.19	99.51	
200	3.75	0.07	0.15	0.09	167.34	99.60	
230	4.00	0.06	0.10	0.06	167.44	99.66	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.14	1.46	1.05	-0.26	-2.62	-3.23	-3.91	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	-0.63	1.55	1.95	-0.19	1.77		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-C108 #2							
Analysis Date:							
Analyzed By: JB							
Easting (ft): <div style="text-align: center;">935,218</div>		Northing (ft): <div style="text-align: center;">1,108,574</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-44.6 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;">122.01</div>	Wash Weight (g): <div style="text-align: center;">122.01</div>	Pan Retained (g): <div style="text-align: center;">0.49</div>	Sieve Loss (%): <div style="text-align: center;">0.00</div>	Fines (%): #200 - 0.52 #230 - 0.40	Organics (%): <div style="text-align: center;">1.90</div>	Carbonates (%): <div style="text-align: center;">65.20</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	0.00	0.00	0.00	0.00	
5/16"	-3.00	8.00	0.33	0.27	0.33	0.27	
3.5	-2.50	5.66	0.40	0.33	0.73	0.60	
4	-2.25	4.76	0.00	0.00	0.73	0.60	
5	-2.00	4.00	0.15	0.12	0.88	0.72	
7	-1.50	2.83	0.56	0.46	1.44	1.18	
10	-1.00	2.00	2.04	1.67	3.48	2.85	
14	-0.50	1.41	4.45	3.65	7.93	6.50	
18	0.00	1.00	7.51	6.16	15.44	12.66	
25	0.50	0.71	12.63	10.35	28.07	23.01	
35	1.00	0.50	21.26	17.42	49.33	40.43	
45	1.50	0.35	27.22	22.31	76.55	62.74	
60	2.00	0.25	25.58	20.97	102.13	83.71	
80	2.50	0.18	13.08	10.72	115.21	94.43	
120	3.00	0.13	4.88	4.00	120.09	98.43	
170	3.50	0.09	1.01	0.83	121.10	99.26	
200	3.75	0.07	0.27	0.22	121.37	99.48	
230	4.00	0.06	0.15	0.12	121.52	99.60	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.57	2.01	1.79	1.21	0.56	0.16	-0.71	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.11	0.46	0.99	-0.72	4.34		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-C108 #3							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
935,218		1,108,574		Florida State Plane East		-47.8 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 (%):
124.15	124.15	2.92	0.00	#200 - 3.12 #230 - 2.38	2.00	67.70	
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	0.00	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	1.57	1.26	1.57	1.26	
3.5	-2.50	5.66	0.92	0.74	2.49	2.00	
4	-2.25	4.76	0.19	0.15	2.68	2.15	
5	-2.00	4.00	0.50	0.40	3.18	2.55	
7	-1.50	2.83	0.15	0.12	3.33	2.67	
10	-1.00	2.00	0.65	0.52	3.98	3.19	
14	-0.50	1.41	1.79	1.44	5.77	4.63	
18	0.00	1.00	2.46	1.98	8.23	6.61	
25	0.50	0.71	3.63	2.92	11.86	9.53	
35	1.00	0.50	8.11	6.53	19.97	16.06	
45	1.50	0.35	17.60	14.18	37.57	30.24	
60	2.00	0.25	31.81	25.62	69.38	55.86	
80	2.50	0.18	30.74	24.76	100.12	80.62	
120	3.00	0.13	13.29	10.70	113.41	91.32	
170	3.50	0.09	5.18	4.17	118.59	95.49	
200	3.75	0.07	1.72	1.39	120.31	96.88	
230	4.00	0.06	0.92	0.74	121.23	97.62	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.44	2.66	2.39	1.89	1.32	1.00	-0.41	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.69	0.31	1.15	-1.8	8.18		

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Project Name: 2011 SLC Geotech Investigation							
Sample Name: SLC-11-C108 #4							
Analysis Date:							
Analyzed By: JB							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
935,218		1,108,574		Florida State Plane East		-49.3 NAVD 88	
USCS:		Munsell:		Comments:			
SW		Wet - 5Y-4/1 Dry - 5Y-6/2					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
168.45	162.59	0.28	0.00	#200 - 4.04 #230 - 3.65	1.70	75.20	
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	7.88	4.68	7.88	4.68	
5/16"	-3.00	8.00	16.76	9.95	24.64	14.63	
3.5	-2.50	5.66	15.05	8.93	39.69	23.56	
4	-2.25	4.76	6.53	3.88	46.22	27.44	
5	-2.00	4.00	4.94	2.93	51.16	30.37	
7	-1.50	2.83	9.93	5.89	61.09	36.26	
10	-1.00	2.00	8.49	5.04	69.58	41.30	
14	-0.50	1.41	11.42	6.78	81.00	48.08	
18	0.00	1.00	11.05	6.56	92.05	54.64	
25	0.50	0.71	12.34	7.33	104.39	61.97	
35	1.00	0.50	14.07	8.35	118.46	70.32	
45	1.50	0.35	12.41	7.37	130.87	77.69	
60	2.00	0.25	12.32	7.31	143.19	85.00	
80	2.50	0.18	9.70	5.76	152.89	90.76	
120	3.00	0.13	4.95	2.94	157.84	93.70	
170	3.50	0.09	2.68	1.59	160.52	95.29	
200	3.75	0.07	1.13	0.67	161.65	95.96	
230	4.00	0.06	0.66	0.39	162.31	96.35	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.41	1.93	1.32	-0.35	-2.41	-2.92	-3.48	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	-0.55	1.46	2.03	0.08	1.84		