






<b>Granularmetric Report</b> Depths and elevations based on measured values				 <b>COASTAL TECH</b> Coastal Geology & Sediments Laboratory  715 North Drive Suite E Melbourne, Florida 32934 Phone 321-751-1135 x 206 Fax			
Project Name: South SLC Offshore Sand Search							
Sample Name: PS-4 #1							
Analysis Date: 03-23-09							
Analyzed By: MO							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
912,707.73		1,105,643.32		Florida State Plane East		-28.6 NAVD 88	
USCS:		Munsell:		Comments:			
SP		Wet - 10YR-5/2 Dry - 10YR-6/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
120.27	120.27	0.08	0.07	#200 - 0.16 #230 - 0.15	2.00	76.70	
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	0.00	0.00	0.00	0.00	
3.5	-2.50	5.66	0.75	0.62	0.75	0.62	
4	-2.25	4.76	0.23	0.19	0.98	0.81	
5	-2.00	4.00	0.27	0.22	1.25	1.03	
7	-1.50	2.83	0.35	0.29	1.60	1.32	
10	-1.00	2.00	0.85	0.71	2.45	2.03	
14	-0.50	1.41	2.44	2.03	4.89	4.06	
18	0.00	1.00	4.26	3.54	9.15	7.60	
25	0.50	0.71	9.29	7.72	18.44	15.32	
35	1.00	0.50	19.85	16.50	38.29	31.82	
45	1.50	0.35	33.67	28.00	71.96	59.82	
60	2.00	0.25	33.03	27.46	104.99	87.28	
80	2.50	0.18	13.04	10.84	118.03	98.12	
120	3.00	0.13	1.68	1.40	119.71	99.52	
170	3.50	0.09	0.30	0.25	120.01	99.77	
200	3.75	0.07	0.08	0.07	120.09	99.84	
230	4.00	0.06	0.01	0.01	120.10	99.85	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.36	1.94	1.78	1.32	0.79	0.52	-0.37	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.2	0.44	0.85	-1.35	6.57		

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Project Name: South SLC Offshore Sand Search							
Sample Name: PS-4 #2							
Analysis Date: 03-23-09							
Analyzed By: MO							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
912,707.73		1,105,643.32		Florida State Plane East		-33.1 NAVD 88	
USCS:		Munsell:		Comments:			
SW		Wet - 10YR-6/2 Dry - 2.5Y-7/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
118.42	116.36	0.06	0.03	#200 - 1.95 #230 - 1.82	2.00	87.70	
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	8.87	7.49	8.87	7.49	
5/16"	-3.00	8.00	0.00	0.00	8.87	7.49	
3.5	-2.50	5.66	4.70	3.97	13.57	11.46	
4	-2.25	4.76	2.28	1.93	15.85	13.39	
5	-2.00	4.00	3.20	2.70	19.05	16.09	
7	-1.50	2.83	6.47	5.46	25.52	21.55	
10	-1.00	2.00	7.88	6.65	33.40	28.20	
14	-0.50	1.41	9.94	8.39	43.34	36.59	
18	0.00	1.00	10.09	8.52	53.43	45.11	
25	0.50	0.71	10.97	9.26	64.40	54.37	
35	1.00	0.50	13.31	11.24	77.71	65.61	
45	1.50	0.35	14.75	12.46	92.46	78.07	
60	2.00	0.25	12.77	10.78	105.23	88.85	
80	2.50	0.18	8.03	6.78	113.26	95.63	
120	3.00	0.13	1.82	1.54	115.08	97.17	
170	3.50	0.09	0.73	0.62	115.81	97.79	
200	3.75	0.07	0.31	0.26	116.12	98.05	
230	4.00	0.06	0.15	0.13	116.27	98.18	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.45	1.78	1.38	0.26	-1.24	-2.01	-3.42	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	-0.08	1.06	1.77	-0.49	2.43		

<b>Granularmetric Report</b> Depths and elevations based on measured values				 <b>COASTAL TECH</b> Coastal Geology & Sediments Laboratory  715 North Drive Suite E Melbourne, Florida 32934 Phone 321-751-1135 x 206 Fax			
Project Name: South SLC Offshore Sand Search							
Sample Name: PS-4 #3							
Analysis Date: 03-23-09							
Analyzed By: MO							
Easting (ft): <b>912,707.73</b>		Northing (ft): <b>1,105,643.32</b>		Coordinate System: <b>Florida State Plane East</b>		Elevation (ft): <b>-36.1 NAVD 88</b>	
USCS: <b>SW</b>		Munsell: Wet - 10YR-4/1 Dry - 10YR-6/1		Comments:			
Dry Weight (g): <b>120.09</b>	Wash Weight (g): <b>115.27</b>	Pan Retained (g): <b>0.23</b>	Sieve Loss (%): <b>0.00</b>	Fines (%): #200 - 4.97 #230 - 4.20	Organics (%): <b>1.90</b>	Carbonates (%): <b>77.40</b>	Shells (%):
<b>Sieve Number</b>	<b>Sieve Size (Phi)</b>	<b>Sieve Size (Millimeters)</b>	<b>Grams Retained</b>	<b>% Weight Retained</b>	<b>Cum. Grams Retained</b>	<b>C. % Weight Retained</b>	
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	0.54	0.45	0.54	0.45	
5/16"	-3.00	8.00	0.53	0.44	1.07	0.89	
3.5	-2.50	5.66	0.17	0.14	1.24	1.03	
4	-2.25	4.76	0.13	0.11	1.37	1.14	
5	-2.00	4.00	0.27	0.22	1.64	1.36	
7	-1.50	2.83	0.83	0.69	2.47	2.05	
10	-1.00	2.00	0.96	0.80	3.43	2.85	
14	-0.50	1.41	1.97	1.64	5.40	4.49	
18	0.00	1.00	3.18	2.65	8.58	7.14	
25	0.50	0.71	5.22	4.35	13.80	11.49	
35	1.00	0.50	9.86	8.21	23.66	19.70	
45	1.50	0.35	16.13	13.43	39.79	33.13	
60	2.00	0.25	29.55	24.61	69.34	57.74	
80	2.50	0.18	28.93	24.09	98.27	81.83	
120	3.00	0.13	11.49	9.57	109.76	91.40	
170	3.50	0.09	3.30	2.75	113.06	94.15	
200	3.75	0.07	1.06	0.88	114.12	95.03	
230	4.00	0.06	0.92	0.77	115.04	95.80	
<b>Phi 5</b>	<b>Phi 16</b>	<b>Phi 25</b>	<b>Phi 50</b>	<b>Phi 75</b>	<b>Phi 84</b>	<b>Phi 95</b>	
3.74	2.61	2.36	1.84	1.20	0.77	-0.40	
<b>Moment</b>	<b>Mean Phi</b>	<b>Mean mm</b>	<b>Sorting</b>	<b>Skewness</b>	<b>Kurtosis</b>		
<b>Statistics</b>	1.61	0.33	1.11	-1.56	7.4		

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Project Name: South SLC Offshore Sand Search							
Sample Name: PS-4 #4							
Analysis Date: 03-23-09							
Analyzed By: MO							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
912,707.73		1,105,643.32		Florida State Plane East		-39.6 NAVD 88	
USCS:		Munsell:		Comments:			
SW-SM		Wet - 10YR-5/1 Dry - 10YR-6/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
111.15	106.35	0.39	0.13	#200 - 5.35 #230 - 4.81	1.90	74.80	
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	0.19	0.17	0.19	0.17	
4	-2.25	4.76	0.02	0.02	0.21	0.19	
5	-2.00	4.00	0.38	0.34	0.59	0.53	
7	-1.50	2.83	1.26	1.13	1.85	1.66	
10	-1.00	2.00	1.03	0.93	2.88	2.59	
14	-0.50	1.41	1.56	1.40	4.44	3.99	
18	0.00	1.00	1.97	1.77	6.41	5.76	
25	0.50	0.71	3.78	3.40	10.19	9.16	
35	1.00	0.50	7.25	6.52	17.44	15.68	
45	1.50	0.35	14.72	13.24	32.16	28.92	
60	2.00	0.25	29.13	26.21	61.29	55.13	
80	2.50	0.18	31.88	28.68	93.17	83.81	
120	3.00	0.13	7.88	7.09	101.05	90.90	
170	3.50	0.09	2.91	2.62	103.96	93.52	
200	3.75	0.07	1.26	1.13	105.22	94.65	
230	4.00	0.06	0.60	0.54	105.82	95.19	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.91	2.51	2.35	1.90	1.35	1.01	-0.21	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.69	0.31	0.98	-1.33	6.05		

<b>Granularmetric Report</b> Depths and elevations based on measured values				 <b>COASTAL TECH</b> Coastal Geology & Sediments Laboratory  715 North Drive Suite E Melbourne, Florida 32934 Phone 321-751-1135 x 206 Fax			
Project Name: South SLC Offshore Sand Search							
Sample Name: PS-4 #5							
Analysis Date: 03-23-09							
Analyzed By: MO							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
912,707.73		1,105,643.32		Florida State Plane East		-43.6 NAVD 88	
USCS:		Munsell:		Comments:			
SW-SM		Wet - 10YR-5/1 Dry - 10YR-6/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
119.43	112.25	0.53	0.21	#200 - 7.87 #230 - 6.68	2.10	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	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	0.48	0.40	0.48	0.40	
4	-2.25	4.76	0.28	0.23	0.76	0.63	
5	-2.00	4.00	0.26	0.22	1.02	0.85	
7	-1.50	2.83	0.47	0.39	1.49	1.24	
10	-1.00	2.00	0.77	0.64	2.26	1.88	
14	-0.50	1.41	1.35	1.13	3.61	3.01	
18	0.00	1.00	2.97	2.49	6.58	5.50	
25	0.50	0.71	6.33	5.30	12.91	10.80	
35	1.00	0.50	14.18	11.87	27.09	22.67	
45	1.50	0.35	22.14	18.54	49.23	41.21	
60	2.00	0.25	28.34	23.73	77.57	64.94	
80	2.50	0.18	18.91	15.83	96.48	80.77	
120	3.00	0.13	8.52	7.13	105.00	87.90	
170	3.50	0.09	3.47	2.91	108.47	90.81	
200	3.75	0.07	1.58	1.32	110.05	92.13	
230	4.00	0.06	1.42	1.19	111.47	93.32	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	2.73	2.32	1.69	1.06	0.72	-0.10	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.54	0.34	1.01	-0.73	5.13		