




<b>Granularmetric Report</b> Depths and elevations based on measured values				 <b>COASTAL TECH</b> Coastal Geology & Sediments Laboratory  715-E North Dr. Melbourne, Fl. 32934 Phone (321) 751-1135 Fax (321) 751-2343			
Project Name: Gulf County Supplemental							
Sample Name: RC-11 #1							
Analysis Date: 05-25-06							
Analyzed By: jv							
Easting (ft): <b>1,682,711.09</b>		Northing (ft): <b>248,262.49</b>		Coordinate System: <b>Florida State Plane North</b>		Elevation (ft): <b>-30.6 NAVD 88</b>	
USCS: <b>SP</b>		Munsell: <b>Wet - 10YR-8/1</b>		Comments:			
Dry Weight (g): <b>137.92</b>	Wash Weight (g):	Pan Retained (g): <b>0.12</b>	Sieve Loss (%):	Fines (%): <b>#200 - 0.13</b> <b>#230 - 0.09</b>	Organics (%):	Carbonates (%):	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>	
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	0.10	0.07	0.10	0.07	
4	-2.25	4.76	0.00	0.00	0.10	0.07	
5	-2.00	4.00	0.00	0.00	0.10	0.07	
7	-1.50	2.83	0.13	0.09	0.23	0.16	
10	-1.00	2.00	0.18	0.13	0.41	0.29	
14	-0.50	1.41	0.44	0.32	0.85	0.61	
18	0.00	1.00	0.48	0.35	1.33	0.96	
25	0.50	0.71	0.81	0.59	2.14	1.55	
35	1.00	0.50	1.65	1.20	3.79	2.75	
45	1.50	0.35	5.03	3.65	8.82	6.40	
60	2.00	0.25	13.20	9.57	22.02	15.97	
80	2.50	0.18	61.50	44.59	83.52	60.56	
120	3.00	0.13	49.02	35.54	132.54	96.10	
170	3.50	0.09	4.93	3.57	137.47	99.67	
200	3.75	0.07	0.27	0.20	137.74	99.87	
230	4.00	0.06	0.06	0.04	137.80	99.91	
<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>	
2.98	2.83	2.70	2.38	2.10	2.00	1.31	
<b>Moment</b>	<b>Mean Phi</b>	<b>Mean mm</b>	<b>Sorting</b>	<b>Skewness</b>	<b>Kurtosis</b>		
<b>Statistics</b>	2.32	0.20	0.58	-2.42	14.95		

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Project Name: Gulf County Supplemental							
Sample Name: RC-11 #2							
Analysis Date: 05-25-06							
Analyzed By: jv							
Easting (ft): <b>1,682,711.09</b>		Northing (ft): <b>248,262.49</b>		Coordinate System: <b>Florida State Plane North</b>		Elevation (ft): <b>-34.1 NAVD 88</b>	
USCS: <b>SP</b>		Munsell: <b>Wet - 10YR-8/1</b>		Comments:			
Dry Weight (g): <b>144.30</b>	Wash Weight (g):	Pan Retained (g): <b>0.72</b>	Sieve Loss (%):	Fines (%): <b>#200 - 0.73</b> <b>#230 - 0.49</b>	Organics (%):	Carbonates (%):	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>	
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	0.00	0.00	0.00	0.00	
5	-2.00	4.00	0.00	0.00	0.00	0.00	
7	-1.50	2.83	0.37	0.26	0.37	0.26	
10	-1.00	2.00	0.68	0.47	1.05	0.73	
14	-0.50	1.41	0.94	0.65	1.99	1.38	
18	0.00	1.00	0.88	0.61	2.87	1.99	
25	0.50	0.71	0.86	0.60	3.73	2.59	
35	1.00	0.50	1.23	0.85	4.96	3.44	
45	1.50	0.35	2.88	2.00	7.84	5.44	
60	2.00	0.25	9.18	6.36	17.02	11.80	
80	2.50	0.18	55.68	38.59	72.70	50.39	
120	3.00	0.13	63.10	43.73	135.80	94.12	
170	3.50	0.09	6.91	4.79	142.71	98.91	
200	3.75	0.07	0.52	0.36	143.23	99.27	
230	4.00	0.06	0.35	0.24	143.58	99.51	
<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>	
3.09	2.88	2.78	2.49	2.17	2.05	1.39	
<b>Moment</b>	<b>Mean Phi</b>	<b>Mean mm</b>	<b>Sorting</b>	<b>Skewness</b>	<b>Kurtosis</b>		
<b>Statistics</b>	2.39	0.19	0.65	-2.87	15.3		

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Project Name: Gulf County Supplemental							
Sample Name: RC-11 #3							
Analysis Date: 05-25-06							
Analyzed By: jv							
Easting (ft): <b>1,682,711.09</b>		Northing (ft): <b>248,262.49</b>		Coordinate System: <b>Florida State Plane North</b>		Elevation (ft): <b>-37.1 NAVD 88</b>	
USCS: <b>SM</b>		Munsell: <b>Wet - 10YR-4/1</b>		Comments:			
Dry Weight (g): <b>126.20</b>	Wash Weight (g): <b>94.14</b>	Pan Retained (g): <b>0.78</b>	Sieve Loss (%): <b>0.00</b>	Fines (%): <b>#200 - 27.10</b> <b>#230 - 26.01</b>	Organics (%):	Carbonates (%):	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>	
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	0.21	0.17	0.21	0.17	
4	-2.25	4.76	0.32	0.25	0.53	0.42	
5	-2.00	4.00	0.12	0.10	0.65	0.52	
7	-1.50	2.83	1.11	0.88	1.76	1.40	
10	-1.00	2.00	0.93	0.74	2.69	2.14	
14	-0.50	1.41	1.59	1.26	4.28	3.40	
18	0.00	1.00	1.49	1.18	5.77	4.58	
25	0.50	0.71	1.10	0.87	6.87	5.45	
35	1.00	0.50	1.30	1.03	8.17	6.48	
45	1.50	0.35	2.23	1.77	10.40	8.25	
60	2.00	0.25	4.88	3.87	15.28	12.12	
80	2.50	0.18	24.28	19.24	39.56	31.36	
120	3.00	0.13	34.99	27.73	74.55	59.09	
170	3.50	0.09	14.27	11.31	88.82	70.40	
200	3.75	0.07	3.16	2.50	91.98	72.90	
230	4.00	0.06	1.38	1.09	93.36	73.99	
<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>	
			2.84	2.33	2.10	0.24	
<b>Moment</b>	<b>Mean Phi</b>	<b>Mean mm</b>	<b>Sorting</b>	<b>Skewness</b>	<b>Kurtosis</b>		
<b>Statistics</b>	2.36	0.19	1.08	-2.23	8.61		

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Project Name: Gulf County Supplemental							
Sample Name: RC-11 #4							
Analysis Date: 05-25-06							
Analyzed By: jv							
Easting (ft): <b>1,682,711.09</b>		Northing (ft): <b>248,262.49</b>		Coordinate System: <b>Florida State Plane North</b>		Elevation (ft): <b>-42.1 NAVD 88</b>	
USCS: <b>SP-SM</b>		Munsell: <b>Wet - 10YR-6/1</b>		Comments:			
Dry Weight (g): <b>115.70</b>	Wash Weight (g): <b>109.26</b>	Pan Retained (g): <b>0.22</b>	Sieve Loss (%): <b>0.00</b>	Fines (%): <b>#200 - 5.81</b> <b>#230 - 5.77</b>	Organics (%):	Carbonates (%):	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>	
5/8"	-4.00	16.00	0.00	0.00	0.00	0.00	
11/16"	-3.50	11.31	0.81	0.70	0.81	0.70	
5/16"	-3.00	8.00	2.17	1.88	2.98	2.58	
3.5	-2.50	5.66	1.32	1.14	4.30	3.72	
4	-2.25	4.76	1.02	0.88	5.32	4.60	
5	-2.00	4.00	1.63	1.41	6.95	6.01	
7	-1.50	2.83	2.32	2.01	9.27	8.02	
10	-1.00	2.00	2.55	2.20	11.82	10.22	
14	-0.50	1.41	3.59	3.10	15.41	13.32	
18	0.00	1.00	3.19	2.76	18.60	16.08	
25	0.50	0.71	2.21	1.91	20.81	17.99	
35	1.00	0.50	1.78	1.54	22.59	19.53	
45	1.50	0.35	2.23	1.93	24.82	21.46	
60	2.00	0.25	5.06	4.37	29.88	25.83	
80	2.50	0.18	23.48	20.29	53.36	46.12	
120	3.00	0.13	46.11	39.85	99.47	85.97	
170	3.50	0.09	9.03	7.80	108.50	93.77	
200	3.75	0.07	0.49	0.42	108.99	94.19	
230	4.00	0.06	0.05	0.04	109.04	94.23	
<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>	
	2.98	2.86	2.55	1.91	-0.01	-2.18	
<b>Moment</b>	<b>Mean Phi</b>	<b>Mean mm</b>	<b>Sorting</b>	<b>Skewness</b>	<b>Kurtosis</b>		
<b>Statistics</b>	1.78	0.29	1.7	-1.67	4.68		