





<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: C-301 #1							
Analysis Date: 08-08-06							
Analyzed By: AP							
Easting (ft): <b>1,674,805.55</b>		Northing (ft): <b>258,431.26</b>		Coordinate System: <b>Florida State Plane North</b>		Elevation (ft): <b>-34.3 NAVD 88</b>	
USCS: <b>SP</b>		Munsell: <b>Wet - 10YR-8/1</b>		Comments:			
Dry Weight (g): <b>108.11</b>	Wash Weight (g):	Pan Retained (g): <b>0.02</b>	Sieve Loss (%):	Fines (%): <b>#200 - 0.03</b> <b>#230 - 0.03</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	0.14	0.13	0.14	0.13	
4	-2.25	4.76	0.00	0.00	0.14	0.13	
5	-2.00	4.00	0.10	0.09	0.24	0.22	
7	-1.50	2.83	0.39	0.36	0.63	0.58	
10	-1.00	2.00	0.30	0.28	0.93	0.86	
14	-0.50	1.41	0.54	0.50	1.47	1.36	
18	0.00	1.00	0.63	0.58	2.10	1.94	
25	0.50	0.71	1.50	1.39	3.60	3.33	
35	1.00	0.50	5.87	5.43	9.47	8.76	
45	1.50	0.35	20.79	19.23	30.26	27.99	
60	2.00	0.25	42.91	39.69	73.17	67.68	
80	2.50	0.18	26.62	24.62	99.79	92.30	
120	3.00	0.13	7.70	7.12	107.49	99.42	
170	3.50	0.09	0.59	0.55	108.08	99.97	
200	3.75	0.07	0.00	0.00	108.08	99.97	
230	4.00	0.06	0.00	0.00	108.08	99.97	
<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>	
2.69	2.33	2.15	1.78	1.42	1.19	0.65	
<b>Moment</b>	<b>Mean Phi</b>	<b>Mean mm</b>	<b>Sorting</b>	<b>Skewness</b>	<b>Kurtosis</b>		
<b>Statistics</b>	1.73	0.30	0.66	-1.7	10.22		

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Project Name: Gulf County Supplemental							
Sample Name: C-301 #2							
Analysis Date: 08-08-06							
Analyzed By: AP							
Easting (ft): <b>1,674,805.55</b>		Northing (ft): <b>258,431.26</b>		Coordinate System: <b>Florida State Plane North</b>		Elevation (ft): <b>-37.8 NAVD 88</b>	
USCS: <b>SP</b>		Munsell: <b>Wet - 10YR-8/1</b>		Comments:			
Dry Weight (g): <b>100.36</b>	Wash Weight (g):	Pan Retained (g): <b>0.01</b>	Sieve Loss (%):	Fines (%): <b>#200 - 0.01</b> <b>#230 - 0.00</b>	Organics (%): <b>0.50</b>	Carbonates (%): <b>2.80</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>	
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	0.24	0.24	0.24	0.24	
10	-1.00	2.00	0.51	0.51	0.75	0.75	
14	-0.50	1.41	0.86	0.86	1.61	1.61	
18	0.00	1.00	0.95	0.95	2.56	2.56	
25	0.50	0.71	1.03	1.03	3.59	3.59	
35	1.00	0.50	1.50	1.49	5.09	5.08	
45	1.50	0.35	3.34	3.33	8.43	8.41	
60	2.00	0.25	23.26	23.18	31.69	31.59	
80	2.50	0.18	39.77	39.63	71.46	71.22	
120	3.00	0.13	26.84	26.74	98.30	97.96	
170	3.50	0.09	1.97	1.96	100.27	99.92	
200	3.75	0.07	0.07	0.07	100.34	99.99	
230	4.00	0.06	0.01	0.01	100.35	100.00	
<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>	
2.94	2.74	2.57	2.23	1.86	1.66	0.97	
<b>Moment</b>	<b>Mean Phi</b>	<b>Mean mm</b>	<b>Sorting</b>	<b>Skewness</b>	<b>Kurtosis</b>		
<b>Statistics</b>	2.14	0.23	0.69	-2.19	10.5		

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Project Name: Gulf County Supplemental							
Sample Name: C-301 #3							
Analysis Date: 08-08-06							
Analyzed By: AP							
Easting (ft): <b>1,674,805.55</b>		Northing (ft): <b>258,431.26</b>		Coordinate System: <b>Florida State Plane North</b>		Elevation (ft): <b>-39.3 NAVD 88</b>	
USCS: <b>SP</b>		Munsell: <b>Wet - 10YR-8/1</b>		Comments:			
Dry Weight (g): <b>90.66</b>	Wash Weight (g):	Pan Retained (g): <b>0.15</b>	Sieve Loss (%):	Fines (%): <b>#200 - 0.22</b> <b>#230 - 0.18</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	0.09	0.10	0.09	0.10	
4	-2.25	4.76	0.00	0.00	0.09	0.10	
5	-2.00	4.00	0.00	0.00	0.09	0.10	
7	-1.50	2.83	0.28	0.31	0.37	0.41	
10	-1.00	2.00	0.43	0.47	0.80	0.88	
14	-0.50	1.41	1.41	1.56	2.21	2.44	
18	0.00	1.00	1.19	1.31	3.40	3.75	
25	0.50	0.71	1.52	1.68	4.92	5.43	
35	1.00	0.50	2.54	2.80	7.46	8.23	
45	1.50	0.35	5.77	6.36	13.23	14.59	
60	2.00	0.25	17.47	19.27	30.70	33.86	
80	2.50	0.18	33.93	37.43	64.63	71.29	
120	3.00	0.13	22.92	25.28	87.55	96.57	
170	3.50	0.09	2.82	3.11	90.37	99.68	
200	3.75	0.07	0.09	0.10	90.46	99.78	
230	4.00	0.06	0.04	0.04	90.50	99.82	
<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>	
2.97	2.75	2.57	2.22	1.77	1.54	0.37	
<b>Moment</b>	<b>Mean Phi</b>	<b>Mean mm</b>	<b>Sorting</b>	<b>Skewness</b>	<b>Kurtosis</b>		
<b>Statistics</b>	2.06	0.24	0.81	-1.91	8.12		

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Project Name: Gulf County Supplemental							
Sample Name: C-301 #4							
Analysis Date: 08-08-06							
Analyzed By: JV							
Easting (ft): <b>1,674,805.55</b>		Northing (ft): <b>258,431.26</b>		Coordinate System: <b>Florida State Plane North</b>		Elevation (ft): <b>-41.8 NAVD 88</b>	
USCS: <b>SW</b>		Munsell: <b>Wet - 10YR-7/1</b>		Comments:			
Dry Weight (g): <b>111.66</b>	Wash Weight (g):	Pan Retained (g): <b>0.03</b>	Sieve Loss (%):	Fines (%): <b>#200 - 0.01</b> <b>#230 - 0.01</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	0.59	0.53	0.59	0.53	
5/16"	-3.00	8.00	2.57	2.30	3.16	2.83	
3.5	-2.50	5.66	2.31	2.07	5.47	4.90	
4	-2.25	4.76	1.23	1.10	6.70	6.00	
5	-2.00	4.00	1.55	1.39	8.25	7.39	
7	-1.50	2.83	2.20	1.97	10.45	9.36	
10	-1.00	2.00	3.72	3.33	14.17	12.69	
14	-0.50	1.41	4.26	3.82	18.43	16.51	
18	0.00	1.00	4.10	3.67	22.53	20.18	
25	0.50	0.71	7.90	7.08	30.43	27.26	
35	1.00	0.50	16.51	14.79	46.94	42.05	
45	1.50	0.35	18.83	16.86	65.77	58.91	
60	2.00	0.25	15.06	13.49	80.83	72.40	
80	2.50	0.18	13.62	12.20	94.45	84.60	
120	3.00	0.13	16.11	14.43	110.56	99.03	
170	3.50	0.09	1.06	0.95	111.62	99.98	
200	3.75	0.07	0.01	0.01	111.63	99.99	
230	4.00	0.06	0.00	0.00	111.63	99.99	
<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>	
2.86	2.48	2.11	1.24	0.34	-0.57	-2.48	
<b>Moment</b>	<b>Mean Phi</b>	<b>Mean mm</b>	<b>Sorting</b>	<b>Skewness</b>	<b>Kurtosis</b>		
<b>Statistics</b>	0.96	0.51	1.55	-1.05	3.62		