

Granularmetric Report

Depths and elevations based on measured values



1333 Gateway Dr., Suite 1004
Melbourne, FL 32901
Phone (321) 751-1135
Fax (321) 751-2343

Project Name: Bonita Beach

Sample Name: B-1 #1

Analysis Date: 03-01-12

Analyzed By: LA

Easting (ft): 687,547.6	Northing (ft): 749,955.6	Coordinate System: Florida State Plane West	Elevation (ft): -11.6 NAVD 88
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USCS: SW	Munsell: Wet - 5Y-6/2 Dry - 5Y-7/1	Comments:
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Dry Weight (g): 132.12	Wash Weight (g): 132.12	Pan Retained (g): 0.38	Sieve Loss (%): 0.11	Fines (%): #200 - 0.52 #230 - 0.41	Organics (%): 1.20	Carbonates (%): 51.90	Shells (%):
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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
7/16"	-3.50	11.31	1.27	0.96	1.27	0.96
5/16"	-3.00	8.00	0.00	0.00	1.27	0.96
3.5	-2.50	5.66	1.36	1.03	2.63	1.99
4	-2.25	4.76	1.45	1.10	4.08	3.09
5	-2.00	4.00	1.67	1.26	5.75	4.35
7	-1.50	2.83	5.11	3.87	10.86	8.22
10	-1.00	2.00	8.59	6.50	19.45	14.72
14	-0.50	1.41	13.02	9.85	32.47	24.57
18	0.00	1.00	12.87	9.74	45.34	34.31
25	0.50	0.71	11.43	8.65	56.77	42.96
35	1.00	0.50	9.28	7.02	66.05	49.98
45	1.50	0.35	7.58	5.74	73.63	55.72
60	2.00	0.25	8.80	6.66	82.43	62.38
80	2.50	0.18	12.06	9.13	94.49	71.51
120	3.00	0.13	27.24	20.62	121.73	92.13
170	3.50	0.09	9.22	6.98	130.95	99.11
200	3.75	0.07	0.49	0.37	131.44	99.48
230	4.00	0.06	0.15	0.11	131.59	99.59

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
3.21	2.80	2.58	1.00	-0.48	-0.94	-1.92
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Statistics	0.92	0.53	1.72	-0.35	2.1	

GRANULARMETRIC REPORT 2012-3-1 BONITA BEACH.GPJ FL DEP ROSS.GDT 3/28/12

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Phone (321) 751-1135
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Project Name: Bonita Beach

Sample Name: B-1 #2

Analysis Date: 03-01-12

Analyzed By: LA

Easting (ft): 687,547.6	Northing (ft): 749,955.6	Coordinate System: Florida State Plane West	Elevation (ft): -14.1 NAVD 88
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USCS: SW-SM	Munsell: Wet - 5Y-5/1 Dry - 5Y-6/1	Comments:
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Dry Weight (g): 157.71	Wash Weight (g): 145.45	Pan Retained (g): 0.46	Sieve Loss (%): 0.00	Fines (%): #200 - 9.33 #230 - 8.07	Organics (%): 1.60	Carbonates (%): 15.40	Shells (%):
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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
7/16"	-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	1.54	0.98	1.54	0.98
4	-2.25	4.76	0.27	0.17	1.81	1.15
5	-2.00	4.00	0.59	0.37	2.40	1.52
7	-1.50	2.83	0.97	0.62	3.37	2.14
10	-1.00	2.00	1.21	0.77	4.58	2.91
14	-0.50	1.41	1.39	0.88	5.97	3.79
18	0.00	1.00	1.34	0.85	7.31	4.64
25	0.50	0.71	1.31	0.83	8.62	5.47
35	1.00	0.50	1.19	0.75	9.81	6.22
45	1.50	0.35	1.01	0.64	10.82	6.86
60	2.00	0.25	1.67	1.06	12.49	7.92
80	2.50	0.18	4.14	2.63	16.63	10.55
120	3.00	0.13	71.48	45.32	88.11	55.87
170	3.50	0.09	48.03	30.45	136.14	86.32
200	3.75	0.07	6.86	4.35	143.00	90.67
230	4.00	0.06	1.99	1.26	144.99	91.93

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
	3.46	3.31	2.94	2.66	2.56	0.22
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Statistics	2.68	0.16	1.09	-3.24	13.96	

GRANULARMETRIC REPORT 2012-3-1 BONITA BEACH.GPJ FL DEP ROSS.GDT 3/28/12

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Phone (321) 751-1135
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Project Name: Bonita Beach

Sample Name: B-1 #3

Analysis Date: 03-01-12

Analyzed By: LA

Easting (ft): 687,547.6	Northing (ft): 749,955.6	Coordinate System: Florida State Plane West	Elevation (ft): -17.6 NAVD 88
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USCS: SM	Munsell: Wet - 5Y-5/1 Dry - 5Y-6/1	Comments:
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Dry Weight (g): 122.03	Wash Weight (g): 110.83	Pan Retained (g): 1.69	Sieve Loss (%): 0.01	Fines (%): #200 - 13.47 #230 - 10.57	Organics (%): 2.00	Carbonates (%): 8.70	Shells (%):
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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
7/16"	-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	0.05	0.04	0.05	0.04
7	-1.50	2.83	0.22	0.18	0.27	0.22
10	-1.00	2.00	0.56	0.46	0.83	0.68
14	-0.50	1.41	0.95	0.78	1.78	1.46
18	0.00	1.00	0.85	0.70	2.63	2.16
25	0.50	0.71	0.59	0.48	3.22	2.64
35	1.00	0.50	0.60	0.49	3.82	3.13
45	1.50	0.35	0.74	0.61	4.56	3.74
60	2.00	0.25	1.32	1.08	5.88	4.82
80	2.50	0.18	3.01	2.47	8.89	7.29
120	3.00	0.13	33.16	27.17	42.05	34.46
170	3.50	0.09	50.03	41.00	92.08	75.46
200	3.75	0.07	13.51	11.07	105.59	86.53
230	4.00	0.06	3.54	2.90	109.13	89.43

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
	3.69	3.49	3.19	2.83	2.66	2.04
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Statistics	2.98	0.13	0.77	-3.34	16.88	

GRANULARMETRIC REPORT 2012-3-1 BONITA BEACH.GPJ FL DEP ROSS.GDT 3/28/12