

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: C-16 #1

Analysis Date: 03-21-12

Analyzed By: WD

Easting (ft): 685,034.4	Northing (ft): 755,157.6	Coordinate System: Florida State Plane West	Elevation (ft): -12.0 NAVD 88
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USCS: SM	Munsell: Wet - 5Y-5/2 Dry - 5Y-6/1	Comments:
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Dry Weight (g): 150.14	Wash Weight (g): 133.34	Pan Retained (g): 0.49	Sieve Loss (%): 0.02	Fines (%): #200 - 12.23 #230 - 11.53	Organics (%): 2.70	Carbonates (%): 32.30	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	0.20	0.13	0.20	0.13
3.5	-2.50	5.66	0.49	0.33	0.69	0.46
4	-2.25	4.76	0.39	0.26	1.08	0.72
5	-2.00	4.00	0.53	0.35	1.61	1.07
7	-1.50	2.83	1.20	0.80	2.81	1.87
10	-1.00	2.00	1.21	0.81	4.02	2.68
14	-0.50	1.41	2.35	1.57	6.37	4.25
18	0.00	1.00	2.22	1.48	8.59	5.73
25	0.50	0.71	1.89	1.26	10.48	6.99
35	1.00	0.50	2.00	1.33	12.48	8.32
45	1.50	0.35	1.62	1.08	14.10	9.40
60	2.00	0.25	1.77	1.18	15.87	10.58
80	2.50	0.18	5.09	3.39	20.96	13.97
120	3.00	0.13	69.77	46.47	90.73	60.44
170	3.50	0.09	36.16	24.08	126.89	84.52
200	3.75	0.07	4.88	3.25	131.77	87.77
230	4.00	0.06	1.05	0.70	132.82	88.47

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
	3.49	3.30	2.89	2.62	2.52	-0.25
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Statistics	2.56	0.17	1.14	-2.68	10.15	

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

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Phone (321) 751-1135
Fax (321) 751-2343

Project Name: Bonita Beach

Sample Name: C-16 #2

Analysis Date: 03-21-12

Analyzed By: WD

Easting (ft): 685,034.4	Northing (ft): 755,157.6	Coordinate System: Florida State Plane West	Elevation (ft): -13.5 NAVD 88
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USCS: SM	Munsell: Wet - 5Y-5/2 Dry - 5Y-6/1	Comments:
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Dry Weight (g): 171.93	Wash Weight (g): 151.57	Pan Retained (g): 0.39	Sieve Loss (%): 0.06	Fines (%): #200 - 12.77 #230 - 12.15	Organics (%): 2.40	Carbonates (%): 24.80	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	4.96	2.88	4.96	2.88
7/16"	-3.50	11.31	0.33	0.19	5.29	3.07
5/16"	-3.00	8.00	2.59	1.51	7.88	4.58
3.5	-2.50	5.66	2.91	1.69	10.79	6.27
4	-2.25	4.76	1.30	0.76	12.09	7.03
5	-2.00	4.00	1.47	0.85	13.56	7.88
7	-1.50	2.83	7.14	4.15	20.70	12.03
10	-1.00	2.00	9.63	5.60	30.33	17.63
14	-0.50	1.41	12.75	7.42	43.08	25.05
18	0.00	1.00	9.79	5.69	52.87	30.74
25	0.50	0.71	5.18	3.01	58.05	33.75
35	1.00	0.50	2.81	1.63	60.86	35.38
45	1.50	0.35	2.02	1.17	62.88	36.55
60	2.00	0.25	2.29	1.33	65.17	37.88
80	2.50	0.18	5.68	3.30	70.85	41.18
120	3.00	0.13	53.56	31.15	124.41	72.33
170	3.50	0.09	22.79	13.26	147.20	85.59
200	3.75	0.07	2.82	1.64	150.02	87.23
230	4.00	0.06	1.06	0.62	151.08	87.85

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
	3.44	3.10	2.64	-0.50	-1.15	-2.88
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Statistics	1.18	0.44	2.2	-0.78	2.33	

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