

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-13A #1

Analysis Date: 03-21-12

Analyzed By: WD

Easting (ft):

684,598.9

Northing (ft):

753,794.3

Coordinate System:

Florida State Plane West

Elevation (ft):

-12.5 NAVD 88

USCS:

SW-SM

Munsell:

Wet - 5Y-5/2
Dry - 5Y-6/1

Comments:

Dry Weight (g):

160.71

Wash Weight (g):

143.05

Pan Retained (g):

0.25

Sieve Loss (%):

0.00

Fines (%):

#200 - 11.61
#230 - 11.15

Organics (%):

2.20

Carbonates (%):

26.00

Shells (%):

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

0.40

0.25

0.40

0.25

5/16"

-3.00

8.00

2.63

1.64

3.03

1.89

3.5

-2.50

5.66

5.02

3.12

8.05

5.01

4

-2.25

4.76

1.64

1.02

9.69

6.03

5

-2.00

4.00

2.04

1.27

11.73

7.30

7

-1.50

2.83

4.13

2.57

15.86

9.87

10

-1.00

2.00

2.43

1.51

18.29

11.38

14

-0.50

1.41

2.29

1.42

20.58

12.80

18

0.00

1.00

2.35

1.46

22.93

14.26

25

0.50

0.71

2.14

1.33

25.07

15.59

35

1.00

0.50

2.02

1.26

27.09

16.85

45

1.50

0.35

2.14

1.33

29.23

18.18

60

2.00

0.25

3.03

1.89

32.26

20.07

80

2.50

0.18

9.08

5.65

41.34

25.72

120

3.00

0.13

74.05

46.08

115.39

71.80

170

3.50

0.09

24.21

15.06

139.60

86.86

200

3.75

0.07

2.46

1.53

142.06

88.39

230

4.00

0.06

0.74

0.46

142.80

88.85

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

3.41

3.11

2.76

2.44

0.66

-2.50

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.96

0.26

1.83

-1.73

4.59

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

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Depths and elevations based on measured values



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

Sample Name: C-13A #2

Analysis Date: 03-21-12

Analyzed By: WD

Easting (ft): 684,598.9	Northing (ft): 753,794.3	Coordinate System: Florida State Plane West	Elevation (ft): -14.5 NAVD 88
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USCS: SW-SM	Munsell: Wet - 5Y-5/2 Dry - 5Y-6/1	Comments:
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Dry Weight (g): 151.25	Wash Weight (g): 135.89	Pan Retained (g): 0.40	Sieve Loss (%): 0.01	Fines (%): #200 - 11.04 #230 - 10.44	Organics (%): 2.50	Carbonates (%): 25.30	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	7.53	4.98	7.53	4.98
7/16"	-3.50	11.31	1.18	0.78	8.71	5.76
5/16"	-3.00	8.00	0.55	0.36	9.26	6.12
3.5	-2.50	5.66	0.80	0.53	10.06	6.65
4	-2.25	4.76	1.05	0.69	11.11	7.34
5	-2.00	4.00	1.13	0.75	12.24	8.09
7	-1.50	2.83	2.31	1.53	14.55	9.62
10	-1.00	2.00	2.83	1.87	17.38	11.49
14	-0.50	1.41	4.61	3.05	21.99	14.54
18	0.00	1.00	3.41	2.25	25.40	16.79
25	0.50	0.71	2.00	1.32	27.40	18.11
35	1.00	0.50	1.73	1.14	29.13	19.25
45	1.50	0.35	1.36	0.90	30.49	20.15
60	2.00	0.25	1.68	1.11	32.17	21.26
80	2.50	0.18	5.23	3.46	37.40	24.72
120	3.00	0.13	58.72	38.82	96.12	63.54
170	3.50	0.09	34.22	22.62	130.34	86.16
200	3.75	0.07	4.23	2.80	134.57	88.96
230	4.00	0.06	0.91	0.60	135.48	89.56

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
	3.45	3.25	2.83	2.50	-0.18	-3.99
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Statistics	1.87	0.27	2.13	-1.75	4.79	

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

Sample Name: C-13A #3

Analysis Date: 03-21-12

Analyzed By: WD

Easting (ft): 684,598.9
Northing (ft): 753,794.3

Coordinate System: Florida State Plane West
Elevation (ft): -15.5 NAVD 88

USCS: SW-SM W/ GRAVEL
Munsell: Wet - 5Y-5/1
Dry - 5Y-6/1
Comments:

Dry Weight (g): 162.31	Wash Weight (g): 152.29	Pan Retained (g): 0.34	Sieve Loss (%): 0.14	Fines (%): #200 - 7.03 #230 - 6.51	Organics (%): 2.50	Carbonates (%): 48.90	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	13.27	8.18	13.27	8.18
5/8"	-4.00	16.00	4.63	2.85	17.90	11.03
7/16"	-3.50	11.31	8.11	5.00	26.01	16.03
5/16"	-3.00	8.00	7.67	4.73	33.68	20.76
3.5	-2.50	5.66	6.36	3.92	40.04	24.68
4	-2.25	4.76	3.14	1.93	43.18	26.61
5	-2.00	4.00	3.39	2.09	46.57	28.70
7	-1.50	2.83	7.28	4.49	53.85	33.19
10	-1.00	2.00	8.04	4.95	61.89	38.14
14	-0.50	1.41	7.93	4.89	69.82	43.03
18	0.00	1.00	5.56	3.43	75.38	46.46
25	0.50	0.71	3.12	1.92	78.50	48.38
35	1.00	0.50	2.03	1.25	80.53	49.63
45	1.50	0.35	1.66	1.02	82.19	50.65
60	2.00	0.25	2.66	1.64	84.85	52.29
80	2.50	0.18	7.21	4.44	92.06	56.73
120	3.00	0.13	37.67	23.21	129.73	79.94
170	3.50	0.09	18.68	11.51	148.41	91.45
200	3.75	0.07	2.47	1.52	150.88	92.97
230	4.00	0.06	0.84	0.52	151.72	93.49

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
	3.18	2.89	1.18	-2.46	-3.50	

Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis
Statistics	0.05	0.97	2.52	0.11	1.54

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