

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: Charlotte Co

Sample Name: CH-12-VC-5 #1

Analysis Date: 02-10-13

Analyzed By: MB

Easting (ft): 523,030.3	Northing (ft): 917,047.4	Coordinate System: Florida State Plane West	Elevation (ft): -37.3 NAVD 88
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USCS: SW	Munsell: Wet - 5Y-6/1 Dry - 5Y-7/1	Comments:
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Dry Weight (g): 167.75	Wash Weight (g): 167.75	Pan Retained (g): 0.36	Sieve Loss (%): 0.01	Fines (%): #200 - 0.25 #230 - 0.20	Organics (%): 0.64	Carbonates (%): 16.79	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
11/16"	-3.50	11.31	4.68	2.79	4.68	2.79
5/16"	-3.00	8.00	0.50	0.30	5.18	3.09
3.5	-2.50	5.66	0.56	0.33	5.74	3.42
4	-2.25	4.76	0.92	0.55	6.66	3.97
5	-2.00	4.00	0.38	0.23	7.04	4.20
7	-1.50	2.83	2.35	1.40	9.39	5.60
10	-1.00	2.00	2.78	1.66	12.17	7.26
14	-0.50	1.41	4.86	2.90	17.03	10.16
18	0.00	1.00	4.22	2.52	21.25	12.68
25	0.50	0.71	4.37	2.61	25.62	15.29
35	1.00	0.50	6.57	3.92	32.19	19.21
45	1.50	0.35	16.08	9.59	48.27	28.80
60	2.00	0.25	44.55	26.56	92.82	55.36
80	2.50	0.18	62.91	37.50	155.73	92.86
120	3.00	0.13	10.14	6.04	165.87	98.90
170	3.50	0.09	1.22	0.73	167.09	99.63
200	3.75	0.07	0.20	0.12	167.29	99.75
230	4.00	0.06	0.09	0.05	167.38	99.80

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
2.68	2.38	2.26	1.90	1.30	0.59	-1.71
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Statistics	1.45	0.37	1.39	-2.16	7.59	

GRANULARMETRIC REPORT 2013-2-19 CHARLOTTE.GPJ FL DEP ROSS.GDT 3/8/13

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Project Name: Charlotte Co

Sample Name: CH-12-VC-5 #2

Analysis Date: 02-10-13

Analyzed By: MB

Easting (ft): 523,030.3
Northing (ft): 917,047.4

Coordinate System: Florida State Plane West
Elevation (ft): -39.8 NAVD 88

USCS: SW
Munsell: Wet - 5Y-6/1
Dry - 2.5Y-7/1
Comments:

Dry Weight (g): 174.73
Wash Weight (g): 166.90
Pan Retained (g): 0.13
Sieve Loss (%): 0.17
Fines (%): #200 - 4.92
#230 - 4.73
Organics (%): 1.42
Carbonates (%): 51.23
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
11/16"	-3.50	11.31	2.23	1.28	2.23	1.28
5/16"	-3.00	8.00	5.88	3.37	8.11	4.65
3.5	-2.50	5.66	5.16	2.95	13.27	7.60
4	-2.25	4.76	2.35	1.34	15.62	8.94
5	-2.00	4.00	3.25	1.86	18.87	10.80
7	-1.50	2.83	8.22	4.70	27.09	15.50
10	-1.00	2.00	9.77	5.59	36.86	21.09
14	-0.50	1.41	11.59	6.63	48.45	27.72
18	0.00	1.00	12.52	7.17	60.97	34.89
25	0.50	0.71	12.04	6.89	73.01	41.78
35	1.00	0.50	12.52	7.17	85.53	48.95
45	1.50	0.35	18.10	10.36	103.63	59.31
60	2.00	0.25	26.20	14.99	129.83	74.30
80	2.50	0.18	22.32	12.77	152.15	87.07
120	3.00	0.13	10.84	6.20	162.99	93.27
170	3.50	0.09	2.65	1.52	165.64	94.79
200	3.75	0.07	0.50	0.29	166.14	95.08
230	4.00	0.06	0.34	0.19	166.48	95.27

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
3.68	2.38	2.03	1.05	-0.71	-1.46	-2.94

Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis
Statistics	0.48	0.72	1.77	-0.58	2.38

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Project Name: Charlotte Co

Sample Name: CH-12-VC-5 #3

Analysis Date: 02-10-13

Analyzed By: MB

Easting (ft):

523,030.3

Northing (ft):

917,047.4

Coordinate System:

Florida State Plane West

Elevation (ft):

-42.8 NAVD 88

USCS:

SM W/ GRAVEL

Munsell:

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

Comments:

Dry Weight (g):

156.28

Wash Weight (g):

138.54

Pan Retained (g):

0.54

Sieve Loss (%):

0.36

Fines (%):

#200 - 12.62
#230 - 12.08

Organics (%):

2.34

Carbonates (%):

51.59

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

11/16"

-3.50

11.31

6.02

3.85

6.02

3.85

5/16"

-3.00

8.00

6.19

3.96

12.21

7.81

3.5

-2.50

5.66

5.78

3.70

17.99

11.51

4

-2.25

4.76

3.49

2.23

21.48

13.74

5

-2.00

4.00

4.21

2.69

25.69

16.43

7

-1.50

2.83

7.42

4.75

33.11

21.18

10

-1.00

2.00

7.68

4.91

40.79

26.09

14

-0.50

1.41

10.56

6.76

51.35

32.85

18

0.00

1.00

10.05

6.43

61.40

39.28

25

0.50

0.71

8.55

5.47

69.95

44.75

35

1.00

0.50

8.92

5.71

78.87

50.46

45

1.50

0.35

10.48

6.71

89.35

57.17

60

2.00

0.25

10.57

6.76

99.92

63.93

80

2.50

0.18

11.32

7.24

111.24

71.17

120

3.00

0.13

12.85

8.22

124.09

79.39

170

3.50

0.09

10.32

6.60

134.41

85.99

200

3.75

0.07

2.18

1.39

136.59

87.38

230

4.00

0.06

0.85

0.54

137.44

87.92

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

3.35

2.73

0.96

-1.11

-2.04

-3.35

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

0.27

0.83

2.13

-0.24

1.93

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