

# 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-9 #1

Analysis Date: 02-28-13

Analyzed By: MB

Easting (ft): 524,079.2	Northing (ft): 911,967.1	Coordinate System: Florida State Plane West	Elevation (ft): -35.9 NAVD 88
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USCS: SP	Munsell: Wet - 5Y-6/1 Dry - 5Y-7/1	Comments:
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Dry Weight (g): 172.65	Wash Weight (g): 172.65	Pan Retained (g): 0.21	Sieve Loss (%): 0.00	Fines (%): #200 - 0.15 #230 - 0.13	Organics (%): 0.69	Carbonates (%): 20.39	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	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	0.13	0.08	0.13	0.08
5	-2.00	4.00	0.76	0.44	0.89	0.52
7	-1.50	2.83	0.99	0.57	1.88	1.09
10	-1.00	2.00	1.93	1.12	3.81	2.21
14	-0.50	1.41	3.88	2.25	7.69	4.46
18	0.00	1.00	5.20	3.01	12.89	7.47
25	0.50	0.71	6.90	4.00	19.79	11.47
35	1.00	0.50	12.80	7.41	32.59	18.88
45	1.50	0.35	39.88	23.10	72.47	41.98
60	2.00	0.25	62.68	36.30	135.15	78.28
80	2.50	0.18	31.70	18.36	166.85	96.64
120	3.00	0.13	4.72	2.73	171.57	99.37
170	3.50	0.09	0.79	0.46	172.36	99.83
200	3.75	0.07	0.04	0.02	172.40	99.85
230	4.00	0.06	0.04	0.02	172.44	99.87

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
2.46	2.16	1.95	1.61	1.13	0.81	-0.41
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Statistics	1.44	0.37	0.85	-1.49	6.02	

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-9 #2

Analysis Date: 02-28-13

Analyzed By: MB

Easting (ft): 524,079.2      Northing (ft): 911,967.1

Coordinate System: Florida State Plane West      Elevation (ft): -38.9 NAVD 88

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

Dry Weight (g): 173.68      Wash Weight (g): 173.68      Pan Retained (g): 0.84      Sieve Loss (%): 0.10      Fines (%): #200 - 0.76  
#230 - 0.60      Organics (%): 0.92      Carbonates (%): 43.53      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	8.05	4.63	8.05	4.63
5/16"	-3.00	8.00	9.48	5.46	17.53	10.09
3.5	-2.50	5.66	10.95	6.30	28.48	16.39
4	-2.25	4.76	3.62	2.08	32.10	18.47
5	-2.00	4.00	3.74	2.15	35.84	20.62
7	-1.50	2.83	8.20	4.72	44.04	25.34
10	-1.00	2.00	9.41	5.42	53.45	30.76
14	-0.50	1.41	7.72	4.44	61.17	35.20
18	0.00	1.00	6.40	3.68	67.57	38.88
25	0.50	0.71	5.26	3.03	72.83	41.91
35	1.00	0.50	4.77	2.75	77.60	44.66
45	1.50	0.35	7.87	4.53	85.47	49.19
60	2.00	0.25	21.00	12.09	106.47	61.28
80	2.50	0.18	39.13	22.53	145.60	83.81
120	3.00	0.13	22.07	12.71	167.67	96.52
170	3.50	0.09	4.27	2.46	171.94	98.98
200	3.75	0.07	0.46	0.26	172.40	99.24
230	4.00	0.06	0.27	0.16	172.67	99.40

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
2.94	2.51	2.30	1.53	-1.54	-2.53	-3.47

Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis
Statistics	0.44	0.74	2.21	-0.55	1.82

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Project Name: Charlotte Co

Sample Name: CH-12-VC-9 #3

Analysis Date: 02-28-13

Analyzed By: MB

Easting (ft):

524,079.2

Northing (ft):

911,967.1

Coordinate System:

Florida State Plane West

Elevation (ft):

-40.9 NAVD 88

USCS:

SW-SM

Munsell:

Wet - 5Y-6/1  
Dry - 5Y-7/1

Comments:

Dry Weight (g):

168.38

Wash Weight (g):

153.45

Pan Retained (g):

1.38

Sieve Loss (%):

0.00

Fines (%):

#200 - 11.53  
#230 - 9.69

Organics (%):

1.01

Carbonates (%):

21.09

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

1.62

0.96

1.62

0.96

5/16"

-3.00

8.00

0.39

0.23

2.01

1.19

3.5

-2.50

5.66

0.54

0.32

2.55

1.51

4

-2.25

4.76

0.41

0.24

2.96

1.75

5

-2.00

4.00

0.64

0.38

3.60

2.13

7

-1.50

2.83

1.15

0.68

4.75

2.81

10

-1.00

2.00

1.45

0.86

6.20

3.67

14

-0.50

1.41

1.86

1.10

8.06

4.77

18

0.00

1.00

2.26

1.34

10.32

6.11

25

0.50

0.71

2.72

1.62

13.04

7.73

35

1.00

0.50

2.99

1.78

16.03

9.51

45

1.50

0.35

5.37

3.19

21.40

12.70

60

2.00

0.25

13.52

8.03

34.92

20.73

80

2.50

0.18

31.79

18.88

66.71

39.61

120

3.00

0.13

48.66

28.90

115.37

68.51

170

3.50

0.09

27.84

16.53

143.21

85.04

200

3.75

0.07

5.77

3.43

148.98

88.47

230

4.00

0.06

3.09

1.84

152.07

90.31

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

3.47

3.20

2.68

2.11

1.71

-0.41

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

2.27

0.21

1.3

-2.36

9.59

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