

# Granulometric Report

Depths and elevations based on measured values



American Vibracore Services, Inc.  
1215 Wallace Drive  
Delray Beach, FL 33444

Project Name: Jupiter Island 10 Detail Phase

Sample Name: JIVC-10-50 #S-1 (1')

Analysis Date: 11-30-10

Analyzed By: ML

Easting (ft): 968726.	Northing (ft): 978358.	Coordinate System: Florida State Plane East	Elevation (ft): -47.4 NAVD 88
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USCS: SP	Munsell: Wet - 10 YR-4/1	Comments: Visual Shell Content = 0%
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Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
201.40	199.39			#230 - 1.05		59.10	
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	
5/8"	-4.00	16.00	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	0.00	0.00	0.00	0.00	
7	-1.50	2.83	0.08	0.04	0.08	0.04	
10	-1.00	2.00	0.20	0.10	0.28	0.14	
14	-0.50	1.41	0.66	0.33	0.94	0.47	
18	0.00	1.00	1.83	0.91	2.77	1.38	
25	0.50	0.71	4.21	2.09	6.98	3.47	
35	1.00	0.50	10.39	5.16	17.37	8.62	
45	1.50	0.35	24.52	12.17	41.89	20.80	
60	2.00	0.25	87.04	43.22	128.93	64.02	
80	2.50	0.18	60.11	29.85	189.04	93.86	
120	3.00	0.13	9.00	4.47	198.04	98.33	
170	3.50	0.09	0.93	0.46	198.97	98.79	
230	4.00	0.06	0.31	0.15	199.28	98.95	

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
2.63	2.33	2.18	1.84	1.55	1.30	0.65
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Statistics	1.78	0.29	0.58	-1.16	6.31	

GRANULARMETRIC REPORT JUPITER ISLAND 10 DETAIL PHASE GPJ FL DEP ROSS.GDT 4/29/11

# Granulometric Report

Depths and elevations based on measured values



American Vibracore Services, Inc.  
1215 Wallace Drive  
Delray Beach, FL 33444

Project Name: Jupiter Island 10 Detail Phase

Sample Name: JIVC-10-50 #S-2 (4')

Analysis Date: 11-16-10

Analyzed By: CA

Easting (ft):

968726.

Northing (ft):

978358.

Coordinate System:

Florida State Plane East

Elevation (ft):

-50.4 NAVD 88

USCS:

SP

Munsell:

Wet - 7.5 YR-6/1

Comments: Visual Shell Content = 0%

Dry Weight (g):

407.80

Wash Weight (g):

403.80

Pan Retained (g):

Sieve Loss (%):

#230 - 1.08

Fines (%):

Organics (%):

Carbonates (%):

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

3.5

-2.49

5.62

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

0.20

0.05

0.20

0.05

7

-1.50

2.83

1.10

0.27

1.30

0.32

10

-1.00

2.00

2.90

0.71

4.20

1.03

14

-0.50

1.41

8.80

2.16

13.00

3.19

18

0.00

1.00

17.70

4.34

30.70

7.53

25

0.50

0.71

28.20

6.92

58.90

14.44

35

1.00

0.50

35.10

8.61

94.00

23.05

45

1.50

0.35

77.70

19.05

171.70

42.10

60

2.00

0.25

160.00

39.23

331.70

81.34

80

2.50

0.18

59.50

14.59

391.20

95.93

120

3.00

0.13

10.80

2.65

402.00

98.58

170

3.50

0.09

1.10

0.27

403.10

98.85

230

4.00

0.06

0.30

0.07

403.40

98.92

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.47

2.09

1.92

1.60

1.05

0.59

-0.29

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.39

0.38

0.81

-1.08

4.29

GRANULOMETRIC REPORT JUPITER ISLAND 10 DETAIL PHASE GPJ FL DEP ROSS GDT 4/29/11



# Granulometric Report

Depths and elevations based on measured values



American Vibracore Services, Inc.  
1215 Wallace Drive  
Delray Beach, FL 33444

Project Name: Jupiter Island 10 Detail Phase

Sample Name: JIVC-10-50 #S-3 (7')

Analysis Date: 11-09-10

Analyzed By: JR

Easting (ft):

968726.

Northing (ft):

978358.

Coordinate System:

Florida State Plane East

Elevation (ft):

-53.4 NAVD 88

USCS:

SW

Munsell:

Wet - 10 YR-4/1

Comments: Visual Shell Content = >1%

Dry Weight (g):

354.40

Wash Weight (g):

349.10

Pan Retained (g):

Sieve Loss (%):

Fines (%):

#230 - 1.53

Organics (%):

Carbonates (%):

68.90

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

5/8"

-4.00

16.00

0.00

0.00

0.00

0.00

3.5

-2.50

5.66

1.13

0.32

1.13

0.32

4

-2.25

4.76

0.19

0.05

1.32

0.37

5

-2.00

4.00

0.13

0.04

1.45

0.41

7

-1.50

2.83

1.19

0.34

2.64

0.74

10

-1.00

2.00

3.12

0.88

5.76

1.63

14

-0.50

1.41

6.78

1.91

12.54

3.54

18

0.00

1.00

11.09

3.13

23.63

6.67

25

0.50

0.71

16.39

4.62

40.02

11.29

35

1.00

0.50

38.50

10.86

78.52

22.16

45

1.50

0.35

63.81

18.01

142.33

40.16

60

2.00

0.25

113.96

32.16

256.29

72.32

80

2.50

0.18

74.16

20.93

330.45

93.24

120

3.00

0.13

15.36

4.33

345.81

97.58

170

3.50

0.09

2.27

0.64

348.08

98.22

230

4.00

0.06

0.90

0.25

348.98

98.47

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.70

2.28

2.06

1.65

1.08

0.72

-0.27

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.47

0.36

0.88

-1.36

6.47

GRANULOMETRIC REPORT JUPITER ISLAND 10 DETAIL PHASE GPJ FL DEP ROSS.GDT 4/29/11

# Granularmetric Report

Depths and elevations based on measured values



American Vibracore Services, Inc.  
1215 Wallace Drive  
Delray Beach, FL 33444

Project Name: Jupiter Island 10 Detail Phase

Sample Name: JIVC-10-50 #S-4 (10')

Analysis Date: 11-17-10

Analyzed By: CA

Easting (ft):

968726.

Northing (ft):

978358.

Coordinate System:

Florida State Plane East

Elevation (ft):

-56.4 NAVD 88

USCS:

SP

Munsell:

Wet - 7.5 YR-5/1

Comments: Visual Shell Content = >1%

Dry Weight (g):

499.20

Wash Weight (g):

493.60

Pan Retained (g):

Sieve Loss (%):

Fines (%):

#230 - 1.18

Organics (%):

Carbonates (%):

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

5/8"

-4.00

16.00

0.00

0.00

0.00

0.00

3.5

-2.49

5.62

0.80

0.16

0.80

0.16

4

-2.25

4.76

0.60

0.12

1.40

0.28

5

-2.00

4.00

0.20

0.04

1.60

0.32

7

-1.50

2.83

1.00

0.20

2.60

0.52

10

-1.00

2.00

3.00

0.60

5.60

1.12

14

-0.50

1.41

7.90

1.58

13.50

2.70

18

0.00

1.00

20.50

4.11

34.00

6.81

25

0.50

0.71

41.80

8.37

75.80

15.18

35

1.00

0.50

39.60

7.93

115.40

23.12

45

1.50

0.35

126.50

25.34

241.90

48.46

60

2.00

0.25

153.40

30.73

395.30

79.19

80

2.50

0.18

68.60

13.74

463.90

92.93

120

3.00

0.13

25.20

5.05

489.10

97.98

170

3.50

0.09

3.30

0.66

492.40

98.64

230

4.00

0.06

0.90

0.18

493.30

98.82

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.70

2.18

1.93

1.53

1.04

0.55

-0.22

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.39

0.38

0.85

-0.97

5.2

GRANULARMETRIC REPORT JUPITER ISLAND 10 DETAIL PHASE GPJ FL DEP ROSS.GDT 4/29/11