

# 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-10-3 #S-1 (2')

Analysis Date: 11-11-10

Analyzed By: JR

Easting (ft):

968103.

Northing (ft):

978129.

Coordinate System:

Florida State Plane East

Elevation (ft):

-47.3 NAVD 88

USCS:

SP

Munsell:

Wet - 10 YR-4/1

Comments: Visual Shell Content = 0 %

Dry Weight (g):

280.08

Wash Weight (g):

277.99

Pan Retained (g):

Sieve Loss (%):

#230 - 0.77

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

5/8"

-4.00

16.00

0.00

0.00

0.00

0.00

3.5

-2.50

5.66

0.49

0.17

0.49

0.17

4

-2.25

4.76

0.04

0.01

0.53

0.19

5

-2.00

4.00

0.24

0.09

0.77

0.27

7

-1.50

2.83

0.97

0.35

1.74

0.62

10

-1.00

2.00

2.06

0.74

3.80

1.36

14

-0.50

1.41

4.39

1.57

8.19

2.92

18

0.00

1.00

7.07

2.52

15.26

5.45

25

0.50

0.71

10.23

3.65

25.49

9.10

35

1.00

0.50

20.67

7.38

46.16

16.48

45

1.50

0.35

45.97

16.41

92.13

32.89

60

2.00

0.25

129.43

46.21

221.56

79.11

80

2.50

0.18

49.08

17.52

270.64

96.63

120

3.00

0.13

6.07

2.17

276.71

98.80

170

3.50

0.09

0.91

0.32

277.62

99.12

230

4.00

0.06

0.31

0.11

277.93

99.23

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.45

2.14

1.96

1.69

1.26

0.97

-0.09

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.52

0.35

0.77

-1.78

8.21

GRANULARMETRIC 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-10-3 #S-2 (6')

Analysis Date: 11-05-10

Analyzed By: JR

Easting (ft):

968103.

Northing (ft):

978129.

Coordinate System:

Florida State Plane East

Elevation (ft):

-51.3 NAVD 88

USCS:

SP

Munsell:

Wet - 10 YR-4/1

Comments: Visual Shell Content = 0 %

Dry Weight (g):

203.34

Wash Weight (g):

201.25

Pan Retained (g):

Sieve Loss (%):

#230 - 1.04

Fines (%):

Organics (%):

Carbonates (%):

Shells (%):

66.00

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

0.16

0.08

0.16

0.08

5

-2.00

4.00

0.07

0.03

0.23

0.11

7

-1.50

2.83

0.15

0.07

0.38

0.19

10

-1.00

2.00

0.67

0.33

1.05

0.52

14

-0.50

1.41

1.69

0.83

2.74

1.35

18

0.00

1.00

3.66

1.80

6.40

3.15

25

0.50

0.71

6.89

3.39

13.29

6.54

35

1.00

0.50

14.52

7.14

27.81

13.68

45

1.50

0.35

31.06

15.27

58.87

28.95

60

2.00

0.25

79.56

39.13

138.43

68.08

80

2.50

0.18

53.60

26.36

192.03

94.44

120

3.00

0.13

7.84

3.86

199.87

98.29

170

3.50

0.09

1.06

0.52

200.93

98.81

230

4.00

0.06

0.29

0.14

201.22

98.96

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.57

2.30

2.13

1.77

1.37

1.08

0.27

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.66

0.32

0.7

-1.31

6.28

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-10-3 #S-3 (8')

Analysis Date: 11-22-10

Analyzed By: JR

Easting (ft):

968103.

Northing (ft):

978129.

Coordinate System:

Florida State Plane East

Elevation (ft):

-53.3 NAVD 88

USCS:

SW

Munsell:

Wet - 10 YR-4/1

Comments: Visual Shell Content = &gt;1 %

Dry Weight (g):

245.20

Wash Weight (g):

242.09

Pan Retained (g):

Sieve Loss (%):

Fines (%):

#230 - 1.31

Organics (%):

Carbonates (%):

83.90

Shells (%):

Sieve Number

Sieve Size  
(Phi)Sieve Size  
(Millimeters)Grams  
Retained% Weight  
RetainedCum. Grams  
RetainedC. % 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

1.50

0.61

1.50

0.61

5

-2.00

4.00

0.34

0.14

1.84

0.75

7

-1.50

2.83

1.54

0.63

3.38

1.38

10

-1.00

2.00

5.50

2.24

8.88

3.62

14

-0.50

1.41

15.31

6.24

24.19

9.87

18

0.00

1.00

27.59

11.25

51.78

21.12

25

0.50

0.71

34.57

14.10

86.35

35.22

35

1.00

0.50

43.03

17.55

129.38

52.77

45

1.50

0.35

44.17

18.01

173.55

70.78

60

2.00

0.25

42.12

17.18

215.67

87.96

80

2.50

0.18

19.13

7.80

234.80

95.76

120

3.00

0.13

5.06

2.06

239.86

97.82

170

3.50

0.09

1.40

0.57

241.26

98.39

230

4.00

0.06

0.72

0.29

241.98

98.69

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.45

1.88

1.62

0.92

0.14

-0.23

-0.89

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

0.83

0.56


1.02

-0.29

2.99

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



<b>Granularmetric Report</b> Depths and elevations based on measured values				 <b>AMERICAN VIBRACORE SERVICES</b> American Vibracore Services, Inc. 1215 Wallace Drive Delray Beach, FL 33444			
Project Name: Jupiter Island 10 Detail Phase							
Sample Name: JIVC-10-3 #S-4 (10')							
Analysis Date: 11-11-10							
Analyzed By: JR							
Easting (ft): 968103.		Northing (ft): 978129.		Coordinate System: Florida State Plane East		Elevation (ft): -55.3 NAVD 88	
USCS: SP		Munsell: Wet - 10 YR-4/1		Comments: Visual Shell Content = >1 %			
Dry Weight (g): 283.00	Wash Weight (g): 278.16	Pan Retained (g):	Sieve Loss (%):	Fines (%): #230 - 1.81	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	-2.50	5.66	0.00	0.00	0.00	0.00	
4	-2.25	4.76	0.30	0.11	0.30	0.11	
5	-2.00	4.00	0.24	0.08	0.54	0.19	
7	-1.50	2.83	0.48	0.17	1.02	0.36	
10	-1.00	2.00	1.32	0.47	2.34	0.83	
14	-0.50	1.41	3.96	1.40	6.30	2.23	
18	0.00	1.00	8.55	3.02	14.85	5.25	
25	0.50	0.71	17.23	6.09	32.08	11.34	
35	1.00	0.50	49.60	17.53	81.68	28.86	
45	1.50	0.35	99.56	35.18	181.24	64.04	
60	2.00	0.25	68.82	24.32	250.06	88.36	
80	2.50	0.18	19.44	6.87	269.50	95.23	
120	3.00	0.13	5.83	2.06	275.33	97.29	
170	3.50	0.09	1.65	0.58	276.98	97.87	
230	4.00	0.06	0.91	0.32	277.89	98.19	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.48	1.91	1.73	1.30	0.89	0.63	-0.04	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.25	0.42	0.72	-0.6	5.4		