

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-10-29 #S-1

Analysis Date: 11-30-10

Analyzed By: ML

Easting (ft):

967392.

Northing (ft):

970634.

Coordinate System:

Florida State Plane East

Elevation (ft):

-53.0 NAVD 88

USCS:

SW

Munsell:

Wet - 10 YR-4/1

Comments: Visual Shell Content = >1%

Dry Weight (g):

288.00

Wash Weight (g):

284.10

Pan Retained (g):

Sieve Loss (%):

Fines (%):

#230 - 1.42

Organics (%):

Carbonates (%):

72.00

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

5/8"

-4.00

16.00

0.00

0.00

0.00

0.00

3.5

-2.50

5.66

0.29

0.10

0.29

0.10

4

-2.25

4.76

0.00

0.00

0.29

0.10

5

-2.00

4.00

0.03

0.01

0.32

0.11

7

-1.50

2.83

0.14

0.05

0.46

0.16

10

-1.00

2.00

2.22

0.77

2.68

0.93

14

-0.50

1.41

9.86

3.42

12.54

4.35

18

0.00

1.00

18.35

6.37

30.89

10.73

25

0.50

0.71

22.71

7.89

53.60

18.61

35

1.00

0.50

33.32

11.57

86.92

30.18

45

1.50

0.35

50.44

17.51

137.36

47.69

60

2.00

0.25

78.07

27.11

215.43

74.80

80

2.50

0.18

55.77

19.36

271.20

94.17

120

3.00

0.13

10.67

3.70

281.87

97.87

170

3.50

0.09

1.56

0.54

283.43

98.41

230

4.00

0.06

0.49

0.17

283.92

98.58

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.61

2.24

2.01

1.54

0.78

0.33

-0.45

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.32

0.40

0.92

-0.75

3.43

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-10-29 #S-2 (5')

Analysis Date: 11-16-10

Analyzed By: CA

Easting (ft):

967392.

Northing (ft):

970634.

Coordinate System:

Florida State Plane East

Elevation (ft):

-57.0 NAVD 88

USCS:

SW

Munsell:

Wet - 7.5 YR-5/1

Comments: Visual Shell Content = 0%

Dry Weight (g):

350.20

Wash Weight (g):

346.90

Pan Retained (g):

Sieve Loss (%):

Fines (%):

#230 - 0.94

Organics (%):

Carbonates (%):

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

-2.49

5.62

0.00

0.00

0.00

0.00

4

-2.25

4.76

0.30

0.09

0.30

0.09

5

-2.00

4.00

0.50

0.14

0.80

0.23

7

-1.50

2.83

1.60

0.46

2.40

0.69

10

-1.00

2.00

7.40

2.11

9.80

2.80

14

-0.50

1.41

36.90

10.54

46.70

13.34

18

0.00

1.00

68.60

19.59

115.30

32.92

25

0.50

0.71

30.90

8.82

146.20

41.75

35

1.00

0.50

84.30

24.07

230.50

65.82

45

1.50

0.35

40.80

11.65

271.30

77.47

60

2.00

0.25

49.60

14.16

320.90

91.63

80

2.50

0.18

20.30

5.80

341.20

97.43

120

3.00

0.13

4.60

1.31

345.80

98.74

170

3.50

0.09

0.80

0.23

346.60

98.97

230

4.00

0.06

0.30

0.09

346.90

99.06

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.29

1.73

1.39

0.67

-0.20

-0.43

-0.90

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

0.61

0.66


0.98

0.05

2.39

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

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-10-29 #S-3 (8')							
Analysis Date: 11-16-10							
Analyzed By: CA							
Easting (ft): 967392.		Northing (ft): 970634.		Coordinate System: Florida State Plane East		Elevation (ft): -60.0 NAVD 88	
USCS: SW		Munsell: Wet - 7.5 YR-6/1		Comments: Visual Shell Content = >1%			
Dry Weight (g): 329.40	Wash Weight (g): 325.10	Pan Retained (g):	Sieve Loss (%):	Fines (%): #230 - 1.31	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	1.80	0.55	1.80	0.55	
4	-2.25	4.76	0.30	0.09	2.10	0.64	
5	-2.00	4.00	0.50	0.15	2.60	0.79	
7	-1.50	2.83	1.10	0.33	3.70	1.12	
10	-1.00	2.00	3.10	0.94	6.80	2.06	
14	-0.50	1.41	12.20	3.70	19.00	5.77	
18	0.00	1.00	27.90	8.47	46.90	14.24	
25	0.50	0.71	46.50	14.12	93.40	28.35	
35	1.00	0.50	50.80	15.42	144.20	43.78	
45	1.50	0.35	56.90	17.27	201.10	61.05	
60	2.00	0.25	77.00	23.38	278.10	84.43	
80	2.50	0.18	35.90	10.90	314.00	95.32	
120	3.00	0.13	9.40	2.85	323.40	98.18	
170	3.50	0.09	1.20	0.36	324.60	98.54	
230	4.00	0.06	0.50	0.15	325.10	98.69	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.49	1.99	1.80	1.18	0.38	0.06	-0.60	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.04	0.49	0.99	-0.72	4.24		

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-10-29 #S-4 (11')

Analysis Date: 11-09-10

Analyzed By: JR

Easting (ft):

967392.

Northing (ft):

970634.

Coordinate System:

Florida State Plane East

Elevation (ft):

-63.0 NAVD 88

USCS:

SW

Munsell:

Wet - 10 YR-4/1

Comments: Visual Shell Content = 6%

Dry Weight (g):

209.39

Wash Weight (g):

205.84

Pan Retained (g):

Sieve Loss (%):

Fines (%):

#230 - 1.72

Organics (%):

Carbonates (%):

85.30

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

6.38

3.05

6.38

3.05

4

-2.25

4.76

0.34

0.16

6.72

3.21

5

-2.00

4.00

0.30

0.14

7.02

3.35

7

-1.50

2.83

2.08

0.99

9.10

4.35

10

-1.00

2.00

7.96

3.80

17.06

8.15

14

-0.50

1.41

17.92

8.56

34.98

16.71

18

0.00

1.00

23.06

11.01

58.04

27.72

25

0.50

0.71

23.85

11.39

81.89

39.11

35

1.00

0.50

29.20

13.95

111.09

53.05

45

1.50

0.35

32.38

15.46

143.47

68.52

60

2.00

0.25

37.44

17.88

180.91

86.40

80

2.50

0.18

18.34

8.76

199.25

95.16

120

3.00

0.13

4.43

2.12

203.68

97.27

170

3.50

0.09

1.27

0.61

204.95

97.88

230

4.00

0.06

0.83

0.40

205.78

98.28

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.49

1.93

1.68

0.89

-0.12

-0.54

-1.41

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

0.68

0.62

1.29

-0.81

3.93

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