

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-10-2 #S-1 (0.5')

Analysis Date: 11-11-10

Analyzed By: JR

Easting (ft):

967144.

Northing (ft):

977892.

Coordinate System:

Florida State Plane East

Elevation (ft):

-48.4 NAVD 88

USCS:

SP

Munsell:

Wet - 10 YR-4/1

Comments: Visual Shell Content = >1%

Dry Weight (g):

425.20

Wash Weight (g):

420.90

Pan Retained (g):

Sieve Loss (%):

#230 - 1.03

Fines (%):

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

-2.50

5.66

0.43

0.10

0.43

0.10

4

-2.25

4.76

0.34

0.08

0.77

0.18

5

-2.00

4.00

0.38

0.09

1.15

0.27

7

-1.50

2.83

1.13

0.27

2.28

0.54

10

-1.00

2.00

4.12

0.97

6.40

1.51

14

-0.50

1.41

10.93

2.57

17.33

4.08

18

0.00

1.00

20.74

4.88

38.07

8.95

25

0.50

0.71

32.11

7.55

70.18

16.51

35

1.00

0.50

66.40

15.62

136.58

32.12

45

1.50

0.35

118.93

27.97

255.51

60.09

60

2.00

0.25

139.25

32.75

394.76

92.84

80

2.50

0.18

21.47

5.05

416.23

97.89

120

3.00

0.13

2.79

0.66

419.02

98.55

170

3.50

0.09

0.86

0.20

419.88

98.75

230

4.00

0.06

0.96

0.23

420.84

98.97

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.21

1.87

1.73

1.32

0.77

0.47

-0.41

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.16

0.45

0.79

-1.08

5.29

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

Analysis Date: 11-22-10

Analyzed By: JR

Easting (ft):

967144.

Northing (ft):

977892.

Coordinate System:

Florida State Plane East

Elevation (ft):

-52.9 NAVD 88

USCS:

SW

Munsell:

Wet - 10 YR-5/1

Comments: Visual Shell Content = >1%

Dry Weight (g):

203.20

Wash Weight (g):

198.45

Pan Retained (g):

Sieve Loss (%):

#230 - 2.38

Fines (%):

Organics (%):

Carbonates (%):

84.60

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

1.82

0.90

1.82

0.90

5

-2.00

4.00

0.40

0.20

2.22

1.09

7

-1.50

2.83

1.68

0.83

3.90

1.92

10

-1.00

2.00

3.77

1.86

7.67

3.77

14

-0.50

1.41

10.37

5.10

18.04

8.88

18

0.00

1.00

18.39

9.05

36.43

17.93

25

0.50

0.71

28.42

13.99

64.85

31.91

35

1.00

0.50

57.72

28.41

122.57

60.32

45

1.50

0.35

50.47

24.84

173.04

85.16

60

2.00

0.25

16.90

8.32

189.94

93.47

80

2.50

0.18

4.16

2.05

194.10

95.52

120

3.00

0.13

2.51

1.24

196.61

96.76

170

3.50

0.09

1.11

0.55

197.72

97.30

230

4.00

0.06

0.65

0.32

198.37

97.62

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.37

1.48

1.30

0.82

0.25

-0.11

-0.88

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

0.71

0.61

0.89

-0.47

4.55

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-10-2 #S-3 (8')

Analysis Date: 11-11-10

Analyzed By: JR

Easting (ft):

967144.

Northing (ft):

977892.

Coordinate System:

Florida State Plane East

Elevation (ft):

-55.9 NAVD 88

USCS:

SW

Munsell:

Wet - 10 YR-4/1

Comments: Visual Shell Content = >1%

Dry Weight (g):

279.20

Wash Weight (g):

273.50

Pan Retained (g):

Sieve Loss (%):

#230 - 2.05

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

0.73

0.26

0.73

0.26

4

-2.25

4.76

0.43

0.15

1.16

0.42

5

-2.00

4.00

1.22

0.44

2.38

0.85

7

-1.50

2.83

3.34

1.20

5.72

2.05

10

-1.00

2.00

8.80

3.15

14.52

5.20

14

-0.50

1.41

19.54

7.00

34.06

12.20

18

0.00

1.00

33.20

11.89

67.26

24.09

25

0.50

0.71

45.35

16.24

112.61

40.33

35

1.00

0.50

72.31

25.90

184.92

66.23

45

1.50

0.35

58.70

21.02

243.62

87.26

60

2.00

0.25

20.66

7.40

264.28

94.66

80

2.50

0.18

4.64

1.66

268.92

96.32

120

3.00

0.13

2.69

0.96

271.61

97.28

170

3.50

0.09

1.18

0.42

272.79

97.70

230

4.00

0.06

0.69

0.25

273.48

97.95

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.10

1.42

1.21

0.69

0.03

-0.34

-1.03

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

0.56

0.68

0.92

-0.38

4.1

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-10-2 #S-4 (12')

Analysis Date: 11-05-10

Analyzed By: JR

Easting (ft):

967144.

Northing (ft):

977892.

Coordinate System:

Florida State Plane East

Elevation (ft):

-59.9 NAVD 88

USCS:

SW

Munsell:

Wet - 10 YR-4/1

Comments: Visual Shell Content = >1%

Dry Weight (g):

199.23

Wash Weight (g):

195.81

Pan Retained (g):

Sieve Loss (%):

Fines (%):

#230 - 1.79

Organics (%):

Carbonates (%):

70.40

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

1.78

0.89

1.78

0.89

4

-2.25

4.76

0.24

0.12

2.02

1.01

5

-2.00

4.00

0.10

0.05

2.12

1.06

7

-1.50

2.83

0.91

0.46

3.03

1.52

10

-1.00

2.00

2.01

1.01

5.04

2.53

14

-0.50

1.41

5.25

2.64

10.29

5.16

18

0.00

1.00

9.51

4.77

19.80

9.94

25

0.50

0.71

14.46

7.26

34.26

17.20

35

1.00

0.50

25.13

12.61

59.39

29.81

45

1.50

0.35

33.98

17.06

93.37

46.87

60

2.00

0.25

28.62

14.37

121.99

61.23

80

2.50

0.18

27.60

13.85

149.59

75.08

120

3.00

0.13

38.72

19.43

188.31

94.52

170

3.50

0.09

6.14

3.08

194.45

97.60

230

4.00

0.06

1.21

0.61

195.66

98.21

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

3.08

2.73

2.50

1.61

0.81

0.42

-0.53

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.49

0.36

1.17

-0.92

4.49

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