

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-10-22 #S-1 (1')

Analysis Date: 11-16-10

Analyzed By: CA

Easting (ft):

967715.

Northing (ft):

972800.

Coordinate System:

Florida State Plane East

Elevation (ft):

-52.9 NAVD 88

USCS:

SP

Munsell:

Wet - 7.5 YR-5/1

Comments: Visual Shell Content = 0%

Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
305.20	302.60			#230 - 1.05			
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	0.00	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	0.07	0.20	0.07	
7	-1.50	2.83	0.40	0.13	0.60	0.20	
10	-1.00	2.00	1.10	0.36	1.70	0.56	
14	-0.50	1.41	6.40	2.10	8.10	2.65	
18	0.00	1.00	22.60	7.40	30.70	10.06	
25	0.50	0.71	43.00	14.09	73.70	24.15	
35	1.00	0.50	41.30	13.53	115.00	37.68	
45	1.50	0.35	55.70	18.25	170.70	55.93	
60	2.00	0.25	93.90	30.77	264.60	86.70	
80	2.50	0.18	30.40	9.96	295.00	96.66	
120	3.00	0.13	5.00	1.64	300.00	98.30	
170	3.50	0.09	1.70	0.56	301.70	98.85	
230	4.00	0.06	0.30	0.10	302.00	98.95	

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.42

1.96

1.81

1.34

0.53

0.21

-0.34

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.16

0.45

0.84

-0.44

2.82

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-10-22 #S-2 (4')

Analysis Date: 11-30-10

Analyzed By: ML

Easting (ft):

967715.

Northing (ft):

972800.

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):

241.80

Wash Weight (g):

239.10

Pan Retained (g):

Sieve Loss (%):

Fines (%):

#230 - 1.15

Organics (%):

Carbonates (%):

79.00

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

0.52

0.22

0.52

0.22

4

-2.25

4.76

0.10

0.04

0.62

0.26

5

-2.00

4.00

0.32

0.13

0.94

0.39

7

-1.50

2.83

1.48

0.61

2.42

1.00

10

-1.00

2.00

2.25

0.93

4.67

1.93

14

-0.50

1.41

8.27

3.42

12.94

5.35

18

0.00

1.00

22.88

9.46

35.82

14.81

25

0.50

0.71

37.46

15.49

73.28

30.31

35

1.00

0.50

42.37

17.52

115.65

47.83

45

1.50

0.35

39.09

16.17

154.74

64.00

60

2.00

0.25

48.31

19.98

203.05

83.97

80

2.50

0.18

29.09

12.03

232.14

96.00

120

3.00

0.13

5.87

2.43

238.01

98.43

170

3.50

0.09

0.78

0.32

238.79

98.76

230

4.00

0.06

0.24

0.10

239.03

98.85

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.46

2.00

1.78

1.07

0.33

0.04

-0.55

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1

0.50

0.96

-0.45

3.35

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-10-22 #S-3 (7')

Analysis Date: 11-17-10

Analyzed By: CA

Easting (ft):

967715.

Northing (ft):

972800.

Coordinate System:

Florida State Plane East

Elevation (ft):

-58.9 NAVD 88

USCS:

SW

Munsell:

Wet - 7.5 YR-6/1

Comments: Visual Shell Content = >1%

Dry Weight (g):

345.70

Wash Weight (g):

341.70

Pan Retained (g):

Sieve Loss (%):

#230 - 2.89

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

-2.49

5.62

1.20

0.35

1.20

0.35

4

-2.25

4.76

0.50

0.14

1.70

0.49

5

-2.00

4.00

0.10

0.03

1.80

0.52

7

-1.50

2.83

1.00

0.29

2.80

0.81

10

-1.00

2.00

1.80

0.52

4.60

1.33

14

-0.50

1.41

7.10

2.05

11.70

3.38

18

0.00

1.00

22.70

6.57

34.40

9.95

25

0.50

0.71

60.00

17.36

94.40

27.31

35

1.00

0.50

61.50

17.79

155.90

45.10

45

1.50

0.35

60.10

17.39

216.00

62.48

60

2.00

0.25

73.40

21.23

289.40

83.71

80

2.50

0.18

34.70

10.04

324.10

93.75

120

3.00

0.13

9.10

2.63

333.20

96.38

170

3.50

0.09

1.50

0.43

334.70

96.82

230

4.00

0.06

1.00

0.29

335.70

97.11

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.74

2.01

1.79

1.14

0.43

0.17

-0.38

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.06

0.48

0.91

-0.5

4.35

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-10-22 #S-4 (10')

Analysis Date: 11-08-10

Analyzed By: JR

Easting (ft):

967715.

Northing (ft):

972800.

Coordinate System:

Florida State Plane East

Elevation (ft):

-61.9 NAVD 88

USCS:

SW

Munsell:

Wet - 10 YR-4/1

Comments: Visual Shell Content = >1%

Dry Weight (g):

337.20

Wash Weight (g):

331.74

Pan Retained (g):

Sieve Loss (%):

Fines (%):

#230 - 1.70

Organics (%):

Carbonates (%):

75.00

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

0.00

0.00

0.00

0.00

4

-2.25

4.76

1.42

0.42

1.42

0.42

5

-2.00

4.00

0.29

0.09

1.71

0.51

7

-1.50

2.83

0.98

0.29

2.69

0.80

10

-1.00

2.00

1.58

0.47

4.27

1.27

14

-0.50

1.41

4.64

1.38

8.91

2.64

18

0.00

1.00

12.97

3.85

21.88

6.49

25

0.50

0.71

34.48

10.23

56.36

16.71

35

1.00

0.50

69.99

20.76

126.35

37.47

45

1.50

0.35

73.96

21.93

200.31

59.40

60

2.00

0.25

65.37

19.39

265.68

78.79

80

2.50

0.18

42.85

12.71

308.53

91.50

120

3.00

0.13

16.95

5.03

325.48

96.52

170

3.50

0.09

4.02

1.19

329.50

97.72

230

4.00

0.06

1.96

0.58

331.46

98.30

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.85

2.20

1.90

1.29

0.70

0.47

-0.19

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.26

0.42

0.9

-0.38

4.12

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