

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-10-52 #S-1 (1')

Analysis Date: 11-17-10

Analyzed By: CA

Easting (ft):

968452.

Northing (ft):

979326.

Coordinate System:

Florida State Plane East

Elevation (ft):

-49.6 NAVD 88

USCS:

SP

Munsell:

Wet - 10 YR-4/1

Comments: Visual Shell Content = 0%

Dry Weight (g):

392.90

Wash Weight (g):

389.00

Pan Retained (g):

Sieve Loss (%):

Fines (%):

#230 - 1.20

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

0.50

0.13

0.50

0.13

4

-2.25

4.76

0.70

0.18

1.20

0.31

5

-2.00

4.00

0.60

0.15

1.80

0.46

7

-1.50

2.83

1.50

0.38

3.30

0.84

10

-1.00

2.00

2.80

0.71

6.10

1.55

14

-0.50

1.41

8.30

2.11

14.40

3.67

18

0.00

1.00

20.80

5.29

35.20

8.96

25

0.50

0.71

42.90

10.92

78.10

19.88

35

1.00

0.50

83.10

21.15

161.20

41.03

45

1.50

0.35

133.80

34.05

295.00

75.08

60

2.00

0.25

76.10

19.37

371.10

94.45

80

2.50

0.18

12.30

3.13

383.40

97.58

120

3.00

0.13

3.50

0.89

386.90

98.47

170

3.50

0.09

0.90

0.23

387.80

98.70

230

4.00

0.06

0.40

0.10

388.20

98.80

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.09

1.73

1.50

1.13

0.62

0.32

-0.37

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.01

0.50


0.76

-0.96

5.8

GRANULOMETRIC REPORT JUPITER ISLAND 10 DETAIL PHASE GPJ FL DEP ROSS.CDT 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 American Vibracore Services, Inc. 1215 Wallace Drive Delray Beach, FL 33444			
Project Name: Jupiter Island 10 Detail Phase							
Sample Name: JIVC-10-52 #S-2 (5')							
Analysis Date: 11-30-10							
Analyzed By: ML				Coordinate System:		Elevation (ft):	
Easting (ft):		Northing (ft):		Florida State Plane East		-53.6 NAVD 88	
968452.		979326.					
USCS:		Munsell:		Comments: Visual Shell Content = >1%			
SW		Wet - 10 YR-4/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
268.60	265.36			#230 - 1.22		82.80	
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	0.59	0.22	0.59	0.22	
4	-2.25	4.76	0.11	0.04	0.70	0.26	
5	-2.00	4.00	0.27	0.10	0.97	0.36	
7	-1.50	2.83	1.90	0.71	2.87	1.07	
10	-1.00	2.00	5.76	2.14	8.63	3.21	
14	-0.50	1.41	16.17	6.02	24.80	9.23	
18	0.00	1.00	28.19	10.50	52.99	19.73	
25	0.50	0.71	36.32	13.52	89.31	33.25	
35	1.00	0.50	51.36	19.12	140.67	52.37	
45	1.50	0.35	60.89	22.67	201.56	75.04	
60	2.00	0.25	41.59	15.48	243.15	90.52	
80	2.50	0.18	15.34	5.71	258.49	96.24	
120	3.00	0.13	5.15	1.92	263.64	98.15	
170	3.50	0.09	1.29	0.48	264.93	98.63	
230	4.00	0.06	0.38	0.14	265.31	98.78	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.39	1.79	1.50	0.94	0.19	-0.18	-0.85	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.82	0.57	0.96	-0.39	3.42		

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-10-52 #S-3 (8')

Analysis Date: 11-17-10

Analyzed By: CA

Easting (ft):

968452.

Northing (ft):

979326.

Coordinate System:

Florida State Plane East

Elevation (ft):

-56.6 NAVD 88

USCS:

SP

Munsell:

Wet - 7.5 YR-5/1

Comments: Visual Shell Content = >1%

Dry Weight (g):

415.10

Wash Weight (g):

410.20

Pan Retained (g):

Sieve Loss (%):

#230 - 1.37

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

0.90

0.22

0.90

0.22

4

-2.25

4.76

0.60

0.14

1.50

0.36

5

-2.00

4.00

0.50

0.12

2.00

0.48

7

-1.50

2.83

2.50

0.60

4.50

1.08

10

-1.00

2.00

5.00

1.20

9.50

2.29

14

-0.50

1.41

12.60

3.04

22.10

5.32

18

0.00

1.00

23.80

5.73

45.90

11.06

25

0.50

0.71

42.30

10.19

88.20

21.25

35

1.00

0.50

91.60

22.07

179.80

43.31

45

1.50

0.35

144.10

34.71

323.90

78.03

60

2.00

0.25

63.20

15.23

387.10

93.25

80

2.50

0.18

14.50

3.49

401.60

96.75

120

3.00

0.13

5.80

1.40

407.40

98.15

170

3.50

0.09

1.40

0.34

408.80

98.48

230

4.00

0.06

0.60

0.14

409.40

98.63

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.25

1.70

1.46

1.10

0.58

0.24

-0.55

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

0.96

0.51

0.82

-0.9

5.62

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-10-52 #S-4 (11')

Analysis Date: 11-11-10

Analyzed By: JR

Easting (ft):

968452.

Northing (ft):

979326.

Coordinate System:

Florida State Plane East

Elevation (ft):

-59.6 NAVD 88

USCS:

SW

Munsell:

Wet - 10 YR-4/1

Comments: Visual Shell Content = 0%

Dry Weight (g):

202.45

Wash Weight (g):

198.78

Pan Retained (g):

Sieve Loss (%):

Fines (%):

#230 - 1.91

Organics (%):

Carbonates (%):

84.00

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

0.17

0.08

0.17

0.08

5

-2.00

4.00

0.28

0.14

0.45

0.22

7

-1.50

2.83

0.38

0.19

0.83

0.41

10

-1.00

2.00

2.15

1.06

2.98

1.47

14

-0.50

1.41

7.68

3.79

10.66

5.27

18

0.00

1.00

16.51

8.16

27.17

13.42

25

0.50

0.71

23.63

11.67

50.80

25.09

35

1.00

0.50

37.76

18.65

88.56

43.74

45

1.50

0.35

57.13

28.22

145.69

71.96

60

2.00

0.25

34.82

17.20

180.51

89.16

80

2.50

0.18

9.75

4.82

190.26

93.98

120

3.00

0.13

4.92

2.43

195.18

96.41

170

3.50

0.09

2.16

1.07

197.34

97.48

230

4.00

0.06

1.24

0.61

198.58

98.09

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.71

1.85

1.59

1.11

0.50

0.11

-0.54

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1

0.50

0.89

-0.16

3.65