

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-10-30 #S-1 (1')

Analysis Date: 11-16-10

Analyzed By: CA

Easting (ft):

968327.

Northing (ft):

970866.

Coordinate System:

Florida State Plane East

Elevation (ft):

-53.2 NAVD 88

USCS:

SW

Munsell:

Wet - 7.5 YR-6/1

Comments: Visual Shell Content = >1%

Dry Weight (g):

258.30

Wash Weight (g):

255.60

Pan Retained (g):

Sieve Loss (%):

#230 - 2.17

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

3.5

-2.49

5.62

0.20

0.08

0.20

4

-2.25

4.76

0.10

0.04

0.30

5

-2.00

4.00

0.20

0.08

0.50

7

-1.50

2.83

0.70

0.27

1.20

10

-1.00

2.00

3.10

1.20

4.30

14

-0.50

1.41

14.50

5.61

18.80

18

0.00

1.00

30.80

11.92

49.60

25

0.50

0.71

37.20

14.40

86.80

35

1.00

0.50

33.40

12.93

120.20

45

1.50

0.35

36.20

14.01

156.40

60

2.00

0.25

62.80

24.31

219.20

80

2.50

0.18

28.10

10.88

247.30

120

3.00

0.13

4.60

1.78

251.90

170

3.50

0.09

0.70

0.27

252.60

230

4.00

0.06

0.10

0.04

252.70

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.47

1.98

1.80

1.12

0.20

-0.13

-0.70

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

0.96


0.51

0.98

-0.36

2.49

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-10-30 #S-2 (5')							
Analysis Date: 11-30-10							
Analyzed By: ML							
Easting (ft): 1968327.		Northing (ft): 970866.		Coordinate System: Florida State Plane East		Elevation (ft): -57.2 NAVD 88	
USCS: SW		Munsell: Wet - 10 YR-4/1		Comments: Visual Shell Content = >1%			
Dry Weight (g): 248.50	Wash Weight (g): 245.78	Pan Retained (g):	Sieve Loss (%):	Fines (%): #230 - 1.12	Organics (%):	Carbonates (%): 81.00	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	0.81	0.33	0.81	0.33	
4	-2.25	4.76	0.16	0.06	0.97	0.39	
5	-2.00	4.00	0.43	0.17	1.40	0.56	
7	-1.50	2.83	1.33	0.54	2.73	1.10	
10	-1.00	2.00	2.28	0.92	5.01	2.02	
14	-0.50	1.41	12.84	5.17	17.85	7.18	
18	0.00	1.00	30.75	12.37	48.60	19.56	
25	0.50	0.71	41.85	16.84	90.45	36.40	
35	1.00	0.50	44.75	18.01	135.20	54.41	
45	1.50	0.35	38.48	15.48	173.68	69.89	
60	2.00	0.25	41.44	16.68	215.12	86.57	
80	2.50	0.18	24.65	9.92	239.77	96.49	
120	3.00	0.13	5.25	2.11	245.02	98.60	
170	3.50	0.09	0.51	0.21	245.53	98.80	
230	4.00	0.06	0.18	0.07	245.71	98.88	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.42	1.92	1.65	0.88	0.16	-0.14	-0.71	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.86	0.55	0.98	-0.33	3.3		

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-10-30 #S-3 (9')

Analysis Date: 11-18-10

Analyzed By: CA

Easting (ft):
968327.

Northing (ft):
970866.

Coordinate System:
Florida State Plane East

Elevation (ft):
-61.2 NAVD 88

USCS:

SM-SC

Munsell:

Wet - 7.5 YR-6/1

Comments: Visual Shell Content = 1%

Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
329.00	273.60			#230 - 16.93			
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	1.60	0.49	1.60	0.49	
4	-2.25	4.76	0.60	0.18	2.20	0.67	
5	-2.00	4.00	0.60	0.18	2.80	0.85	
7	-1.50	2.83	1.80	0.55	4.60	1.40	
10	-1.00	2.00	4.40	1.34	9.00	2.74	
14	-0.50	1.41	14.30	4.35	23.30	7.08	
18	0.00	1.00	27.60	8.39	50.90	15.47	
25	0.50	0.71	42.60	12.95	93.50	28.42	
35	1.00	0.50	54.30	16.50	147.80	44.92	
45	1.50	0.35	50.40	15.32	198.20	60.24	
60	2.00	0.25	53.10	16.14	251.30	76.38	
80	2.50	0.18	17.00	5.17	268.30	81.55	
120	3.00	0.13	4.50	1.37	272.80	82.92	
170	3.50	0.09	0.30	0.09	273.10	83.01	
230	4.00	0.06	0.20	0.06	273.30	83.07	

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

1.96

1.17

0.37

0.02

-0.74

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

0.83

0.56

0.97

-0.69

4.19

GRANULARMETRIC REPORT JUPITER ISLAND 10 DETAIL PHASE.GPJ FL DEP ROSS.GDT 5/1/11

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-10-30 #S-4 (12')

Analysis Date: 11-09-10

Analyzed By: JR

Easting (ft):

968327.

Northing (ft):

970866.

Coordinate System:

Florida State Plane East

Elevation (ft):

-64.2 NAVD 88

USCS:

SP

Munsell:

Wet - 10 YR-4/1

Comments: Visual Shell Content = 0%

Dry Weight (g):

313.46

Wash Weight (g):

308.38

Pan Retained (g):

Sieve Loss (%):

Fines (%):

#230 - 1.67

Organics (%):

Carbonates (%):

78.50

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

0.00

0.00

0.00

0.00

5

-2.00

4.00

0.34

0.11

0.34

0.11

7

-1.50

2.83

0.82

0.26

1.16

0.37

10

-1.00

2.00

1.96

0.63

3.12

1.00

14

-0.50

1.41

9.91

3.16

13.03

4.16

18

0.00

1.00

29.97

9.56

43.00

13.72

25

0.50

0.71

45.22

14.43

88.22

28.14

35

1.00

0.50

58.09

18.53

146.31

46.68

45

1.50

0.35

71.03

22.66

217.34

69.34

60

2.00

0.25

63.89

20.38

281.23

89.72

80

2.50

0.18

20.58

6.57

301.81

96.28

120

3.00

0.13

4.60

1.47

306.41

97.75

170

3.50

0.09

1.04

0.33

307.45

98.08

230

4.00

0.06

0.76

0.24

308.21

98.33

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.40

1.86

1.64

1.07

0.39

0.08

-0.46

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

0.98

0.51

0.85

-0.24

3.03

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