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|--|--------------------------------|--------------------------------|-----------------|--|---------------------|--------------------------------------|-------------|
| 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 | | | | | | | |
| Sample Name: JI-11 #S-1 (3') | | | | | | | |
| Analysis Date: 04-24-10 | | | | | | | |
| Analyzed By: JR | | | | | | | |
| Easting (ft): 967745. | | Northing (ft): 975958. | | Coordinate System: Florida State Plane East | | Elevation (ft): -45.9 NAVD 88 | |
| USCS: SP | | Munsell: Wet - 10YR-5/1 | | Comments: 10 YR 5/1 Munsell @ 10% Moisture | | | |
| Dry Weight (g): 333.26 | Wash Weight (g): 325.54 | Pan Retained (g): | Sieve Loss (%): | Fines (%): #230 - 2.34 | Organics (%): | Carbonates (%): 65.60 | 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 | |
| 3.5 | -2.49 | 5.62 | 0.07 | 0.02 | 0.07 | 0.02 | |
| 4 | -2.25 | 4.76 | 0.11 | 0.03 | 0.18 | 0.05 | |
| 5 | -2.00 | 4.00 | 0.13 | 0.04 | 0.31 | 0.09 | |
| 7 | -1.50 | 2.83 | 1.23 | 0.37 | 1.54 | 0.46 | |
| 10 | -1.00 | 2.00 | 2.07 | 0.62 | 3.61 | 1.08 | |
| 14 | -0.50 | 1.41 | 4.18 | 1.25 | 7.79 | 2.33 | |
| 18 | 0.00 | 1.00 | 7.09 | 2.13 | 14.88 | 4.46 | |
| 25 | 0.50 | 0.71 | 11.10 | 3.33 | 25.98 | 7.79 | |
| 35 | 1.00 | 0.50 | 20.44 | 6.13 | 46.42 | 13.92 | |
| 45 | 1.50 | 0.35 | 47.73 | 14.32 | 94.15 | 28.24 | |
| 60 | 2.00 | 0.25 | 118.51 | 35.56 | 212.66 | 63.80 | |
| 80 | 2.50 | 0.18 | 81.16 | 24.35 | 293.82 | 88.15 | |
| 120 | 3.00 | 0.13 | 24.84 | 7.45 | 318.66 | 95.60 | |
| 170 | 3.50 | 0.09 | 5.79 | 1.74 | 324.45 | 97.34 | |
| 230 | 4.00 | 0.06 | 1.07 | 0.32 | 325.52 | 97.66 | |
| | | | | | | | |
| Phi 5 | Phi 16 | Phi 25 | Phi 50 | Phi 75 | Phi 84 | Phi 95 | |
| 2.96 | 2.41 | 2.23 | 1.81 | 1.39 | 1.07 | 0.08 | |
| Moment | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis | | |
| Statistics | 1.68 | 0.31 | 0.81 | -1.25 | 6.02 | | |

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

Sample Name: JI-11 #S-2 (9')

Analysis Date: 03-31-10

Analyzed By: JR

Easting (ft):

967745.

Northing (ft):

975958.

Coordinate System:

Florida State Plane East

Elevation (ft):

-51.9 NAVD 88

USCS:

SP

Munsell:

Wet - 10YR-4/1

Comments:

10 YR 4/1 Munsell @ 10% Moisture

Dry Weight (g):

281.30

Wash Weight (g):

279.27

Pan Retained (g):

Sieve Loss (%):

Fines (%):

#230 - 0.75

Organics (%):

Carbonates (%):

72.20

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

3.5

-2.49

5.62

0.75

0.27

0.75

0.27

4

-2.25

4.76

0.17

0.06

0.92

0.33

5

-2.00

4.00

0.52

0.18

1.44

0.51

7

-1.50

2.83

0.72

0.26

2.16

0.77

10

-1.00

2.00

1.37

0.49

3.53

1.26

14

-0.50

1.41

3.75

1.33

7.28

2.59

18

0.00

1.00

7.56

2.69

14.84

5.28

25

0.50

0.71

14.06

5.00

28.90

10.28

35

1.00

0.50

31.09

11.05

59.99

21.33

45

1.50

0.35

75.23

26.74

135.22

48.07

60

2.00

0.25

97.87

34.79

233.09

82.86

80

2.50

0.18

30.95

11.00

264.04

93.86

120

3.00

0.13

12.58

4.47

276.62

98.33

170

3.50

0.09

2.34

0.83

278.96

99.16

230

4.00

0.06

0.26

0.09

279.22

99.25

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.63

2.05

1.89

1.53

1.07

0.76

-0.05

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.41


0.38

0.8

-1.34

7.77

GRANULARMETRIC REPORT JUPITER ISLAND 10.GPJ FL DEP ROSS.GDT 6/26/10

| 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 | | | | | | | |
| Sample Name: JI-11 #S-3 (11') | | | | | | | |
| Analysis Date: 04-24-10 | | | | | | | |
| Analyzed By: JR | | | | | | | |
| Easting (ft): | | Northing (ft): | | Coordinate System: | | Elevation (ft): | |
| 967745. | | 975958. | | Florida State Plane East | | -53.9 NAVD 88 | |
| USCS: | | Munsell: | | Comments: | | | |
| SP | | Wet - 10YR-4/1 | | 10 YR 4/1 Munsell @ 10% Moisture | | | |
| Dry Weight (g): | Wash Weight (g): | Pan Retained (g): | Sieve Loss (%): | Fines (%): | Organics (%): | Carbonates (%): | Shells (%): |
| 377.82 | 371.50 | | | #230 - 1.73 | | | |
| 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 | |
| 3.5 | -2.49 | 5.62 | 0.17 | 0.04 | 0.17 | 0.04 | |
| 4 | -2.25 | 4.76 | 0.04 | 0.01 | 0.21 | 0.05 | |
| 5 | -2.00 | 4.00 | 0.19 | 0.05 | 0.40 | 0.10 | |
| 7 | -1.50 | 2.83 | 0.49 | 0.13 | 0.89 | 0.23 | |
| 10 | -1.00 | 2.00 | 0.75 | 0.20 | 1.64 | 0.43 | |
| 14 | -0.50 | 1.41 | 1.78 | 0.47 | 3.42 | 0.90 | |
| 18 | 0.00 | 1.00 | 4.53 | 1.20 | 7.95 | 2.10 | |
| 25 | 0.50 | 0.71 | 13.84 | 3.66 | 21.79 | 5.76 | |
| 35 | 1.00 | 0.50 | 39.30 | 10.40 | 61.09 | 16.16 | |
| 45 | 1.50 | 0.35 | 73.75 | 19.52 | 134.84 | 35.68 | |
| 60 | 2.00 | 0.25 | 107.41 | 28.43 | 242.25 | 64.11 | |
| 80 | 2.50 | 0.18 | 83.79 | 22.18 | 326.04 | 86.29 | |
| 120 | 3.00 | 0.13 | 38.39 | 10.16 | 364.43 | 96.45 | |
| 170 | 3.50 | 0.09 | 5.94 | 1.57 | 370.37 | 98.02 | |
| 230 | 4.00 | 0.06 | 0.94 | 0.25 | 371.31 | 98.27 | |
| | | | | | | | |
| Phi 5 | Phi 16 | Phi 25 | Phi 50 | Phi 75 | Phi 84 | Phi 95 | |
| 2.93 | 2.45 | 2.25 | 1.75 | 1.23 | 0.99 | 0.40 | |
| Moment | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis | | |
| Statistics | 1.68 | 0.31 | 0.76 | -0.72 | 4.98 | | |

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

Sample Name: JI-11 PCC #S-1 (3')

Analysis Date: 02-23-10

Analyzed By: ML

Easting (ft):

967745.

Northing (ft):

975958.

Coordinate System:

Florida State Plane East

Elevation (ft):

-45.9 NAVD 88

USCS:

SP

Munsell:

Comments:

10 YR 5/1 Munsell @ 10% moisture. Sample after calcium carbonate.

Dry Weight (g):

33.47

Wash Weight (g):

33.45

Pan Retained (g):

Sieve Loss (%):

Fines (%):

#230 - 0.01

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

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

0.00

0.00

0.00

0.00

7

-1.50

2.83

0.00

0.00

0.00

0.00

10

-1.00

2.00

0.00

0.00

0.00

0.00

14

-0.50

1.41

0.00

0.00

0.00

0.00

18

0.00

1.00

0.00

0.00

0.00

0.00

25

0.50

0.71

0.03

0.09

0.03

0.09

35

1.00

0.50

0.35

1.05

0.38

1.14

45

1.50

0.35

4.05

12.10

4.43

13.24

60

2.00

0.25

15.83

47.30

20.26

60.54

80

2.50

0.18

8.39

25.07

28.65

85.61

120

3.00

0.13

3.42

10.22

32.07

95.83

170

3.50

0.09

1.05

3.14

33.12

98.97

230

4.00

0.06

0.34

1.02

33.46

99.99

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.96

2.47

2.29

1.89

1.62

1.53

1.16

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.97

0.26

0.52

0.72

3.99