

Granularmetric Report

Depths and elevations based on measured values



Coastal Planning & Engineering
2481 NW Boca Raton Blvd, Boca Raton
FL 33431
ph (561) 391-8102
fax (561) 391-9116

Project Name: Reach 8 Beach Samples

Sample Name: R-128 Mid Berm

Analysis Date: 03-14-07

Analyzed By: MC

Easting (ft):

970,896

Northing (ft):

830,139

Coordinate System:

Florida State Plane East

Elevation (ft):

8.0 NAVD 88

USCS:

SP

Munsell:

Wet - 2.5Y-6/3

Dry - 2.5Y-6/3

Washed - 2.5Y-6/3

Comments:

Dry Weight (g):

104.35

Wash Weight (g):

103.92

Pan Retained (g):

0.00

Sieve Loss (%):

0.00

Fines (%):

#200 - 0.43

#230 - 0.41

Organics (%):

Carbonates (%):

Shell Hash (%):

0

| 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 |
| 7/16 | -3.50 | 11.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5/16 | -3.00 | 8.00 | 1.14 | 1.09 | 1.14 | 1.09 |
| 3.5 | -2.50 | 5.66 | 0.14 | 0.13 | 1.28 | 1.22 |
| 4 | -2.25 | 4.76 | 0.13 | 0.12 | 1.41 | 1.34 |
| 5 | -2.00 | 4.00 | 0.08 | 0.08 | 1.49 | 1.42 |
| 7 | -1.50 | 2.83 | 0.26 | 0.25 | 1.75 | 1.67 |
| 10 | -1.00 | 2.00 | 0.33 | 0.32 | 2.08 | 1.99 |
| 14 | -0.50 | 1.41 | 0.73 | 0.70 | 2.81 | 2.69 |
| 18 | 0.00 | 1.00 | 1.51 | 1.45 | 4.32 | 4.14 |
| 25 | 0.50 | 0.71 | 4.42 | 4.24 | 8.74 | 8.38 |
| 35 | 1.00 | 0.50 | 16.41 | 15.73 | 25.15 | 24.11 |
| 45 | 1.50 | 0.35 | 39.40 | 37.76 | 64.55 | 61.87 |
| 60 | 2.00 | 0.25 | 32.52 | 31.16 | 97.07 | 93.03 |
| 80 | 2.50 | 0.18 | 5.68 | 5.44 | 102.75 | 98.47 |
| 120 | 3.00 | 0.13 | 1.00 | 0.96 | 103.75 | 99.43 |
| 170 | 3.50 | 0.09 | 0.03 | 0.03 | 103.78 | 99.46 |
| 200 | 3.75 | 0.07 | 0.12 | 0.11 | 103.90 | 99.57 |
| 230 | 4.00 | 0.06 | 0.02 | 0.02 | 103.92 | 99.59 |

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.18

1.86

1.71

1.34

1.01

0.74

0.10

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.24

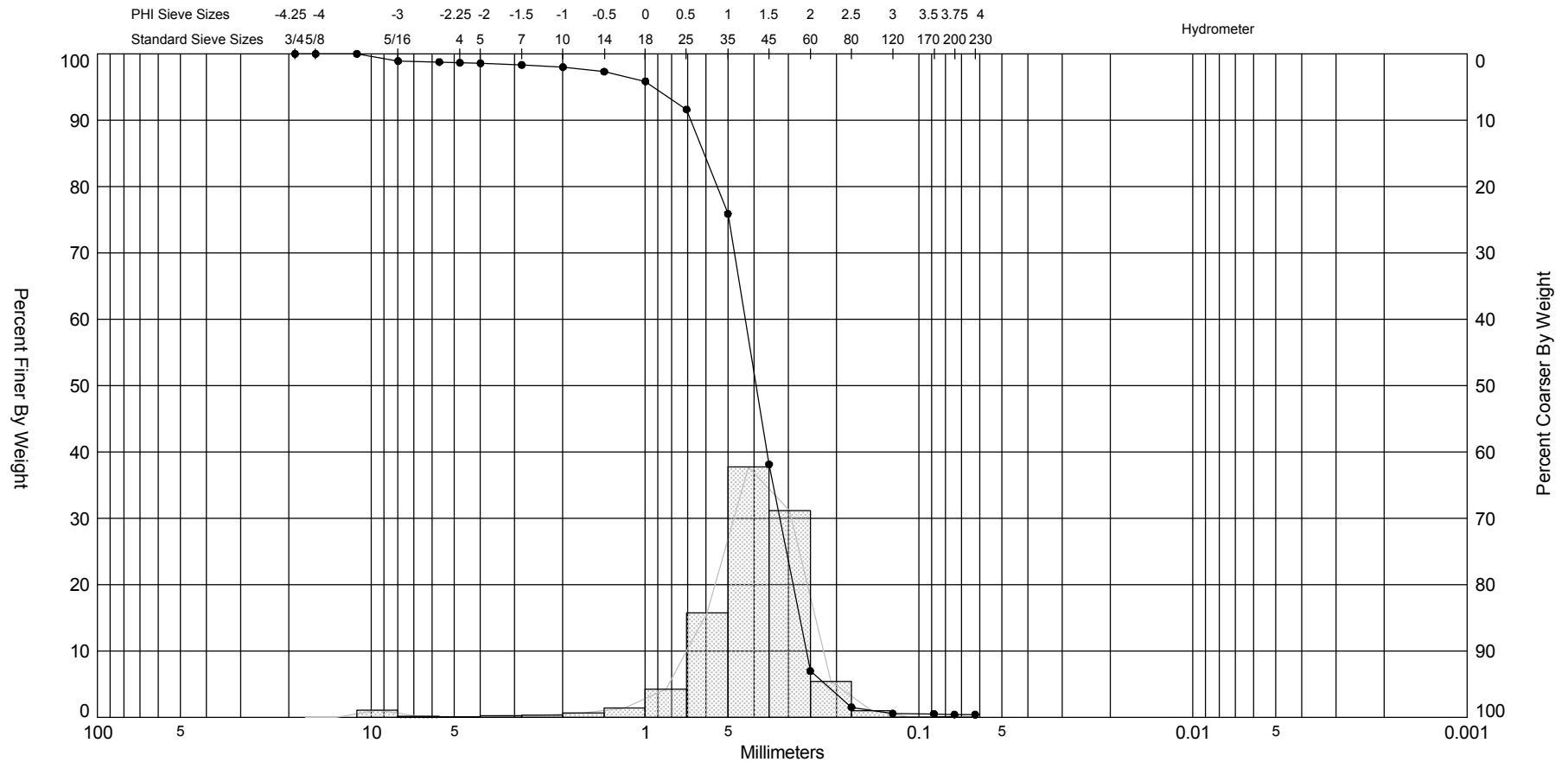
0.42

0.79


-2.68

15.39

GRANULARMETRIC REPORT REACH 8 BEACH 2007.GPJ FL DEP ROSS.GDT 4/20/07



| Gravel | | Sand | | | Silt and Clay |
|--------|------|--------|--------|------|---------------|
| Coarse | Fine | Coarse | Medium | Fine | |

| Sample | Symbol | Elev. (ft) | USCS | % Fines | % Organics | % Carbonates | Median | Mean | Skew | Kurt | Sort | Sample Information | |
|---|--------|------------|------|----------------------------|------------|--|--------|------|-------|-------|------|--------------------|-----------------------|
| R-128 Mid Berm | —●— | 8.0 | SP | #200 - 0.43 #230 - 0.41 | | | 1.34 | 1.24 | -2.68 | 15.39 | 0.79 | Project Name: | Reach 8 Beach Samples |
| Comments: | | | | | | | | | | | | Analysis Date: | 03-14-07 |
| Depths and elevations based on measured values | | | | | | | | | | | | Analyzed By: | MC |
|  | | | | | | Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116 | | | | | | Easting (X, ft): | 970,896 |
| | | | | | | | | | | | | Northing (Y, ft): | 830,139 |
| | | | | | | | | | | | | Horizontal System: | NAD 1983 |
| | | | | | | | | | | | | Vertical System: | NAVD 88 |