

Granularmetric Report

Depths and elevations based on measured values



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Project Name: AMI 2008 Sand Search

Sample Name: AMVC-08-20 #3

Analysis Date: 07-14-08

Analyzed By: LH

Easting (ft): 410,427
 Northing (ft): 1,156,981

Coordinate System: Florida State Plane West
 Elevation (ft): -26.6 NAVD 88

USCS: SW
 Munsell: Wet - 5Y-7/1
 Dry - 5Y-8/1
 Washed - 5Y-8/1
 Comments:

Dry Weight (g): 86.68
 Wash Weight (g): 85.46
 Pan Retained (g): 0.01
 Sieve Loss (%): 0.18
 Fines (%): #200 - 1.68
 #230 - 1.60
 Organics (%):
 Carbonates (%):
 Shell Hash (%): 1

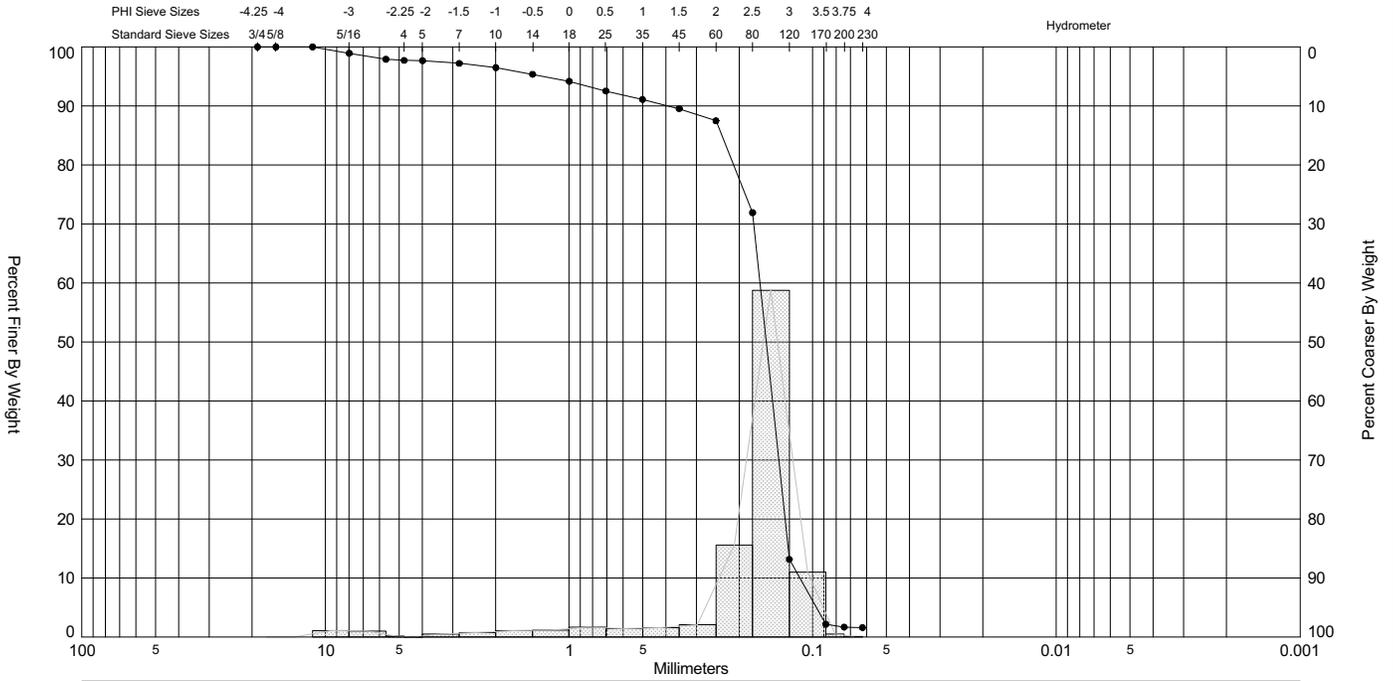
| Sieve Number | Sieve Size (Phi) | Sieve Size (Millimeters) | Grams Retained | % Weight Retained | Cum. Grams Retained | C. % Weight Retained |
|--------------|------------------|--------------------------|----------------|-------------------|---------------------|----------------------|
| 3/4" | -4.25 | 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 | 0.92 | 1.06 | 0.92 | 1.06 |
| 3.5 | -2.50 | 5.66 | 0.89 | 1.03 | 1.81 | 2.09 |
| 4 | -2.25 | 4.76 | 0.17 | 0.20 | 1.98 | 2.29 |
| 5 | -2.00 | 4.00 | 0.03 | 0.03 | 2.01 | 2.32 |
| 7 | -1.50 | 2.83 | 0.41 | 0.47 | 2.42 | 2.79 |
| 10 | -1.00 | 2.00 | 0.62 | 0.72 | 3.04 | 3.51 |
| 14 | -0.50 | 1.41 | 0.97 | 1.12 | 4.01 | 4.63 |
| 18 | 0.00 | 1.00 | 1.03 | 1.19 | 5.04 | 5.82 |
| 25 | 0.50 | 0.71 | 1.42 | 1.64 | 6.46 | 7.46 |
| 35 | 1.00 | 0.50 | 1.25 | 1.44 | 7.71 | 8.90 |
| 45 | 1.50 | 0.35 | 1.35 | 1.56 | 9.06 | 10.46 |
| 60 | 2.00 | 0.25 | 1.79 | 2.07 | 10.85 | 12.53 |
| 80 | 2.50 | 0.18 | 13.49 | 15.56 | 24.34 | 28.09 |
| 120 | 3.00 | 0.13 | 50.93 | 58.76 | 75.27 | 86.85 |
| 170 | 3.50 | 0.09 | 9.53 | 10.99 | 84.80 | 97.84 |
| 200 | 3.75 | 0.07 | 0.42 | 0.48 | 85.22 | 98.32 |
| 230 | 4.00 | 0.06 | 0.07 | 0.08 | 85.29 | 98.40 |

Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.

| Phi 5 | Phi 16 | Phi 25 | Phi 50 | Phi 75 | Phi 84 | Phi 95 |
|-------------------|----------|---------|---------|----------|----------|--------|
| 3.37 | 2.98 | 2.90 | 2.69 | 2.40 | 2.11 | -0.34 |
| Moment Statistics | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis | |
| | 2.36 | 0.19 | 1.17 | -3.06 | 12.74 | |

GRANULARMETRIC REPORT AMI_2008_VIBRACORES_ALL.GPJ FL DEP ROSS.GDT 10/29/08

SIEVE ANALYSIS AMI_2008_VIBRACORES_ALL.GPJ FL DEP ROSS.GDT 10/29/08



| | | | | | |
|--------|------|--------|--------|------|---------------|
| 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 | |
|---|--------|------------|------|----------------------------|------------|--|--------|------|-------|-------|------|--------------------|----------------------|
| AMVC-08-20 #3 | —●— | -26.6 | SW | #200 - 1.68 #230 - 1.60 | | | 2.69 | 2.36 | -3.06 | 12.74 | 1.17 | Project Name: | AMI 2008 Sand Search |
| Comments: | | | | | | | | | | | | Analysis Date: | 07-14-08 |
| Depths and elevations based on measured values | | | | | | | | | | | | Analyzed By: | LH |
|  | | | | | | Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116 | | | | | | Easting (X, ft): | 410,427 |
| | | | | | | | | | | | | Northing (Y, ft): | 1,156,981 |
| | | | | | | | | | | | | Horizontal System: | NAD 1983 |
| | | | | | | | | | | | | Vertical System: | NAVD 88 |