

Granularmetric Report

Depths and elevations based on measured values



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Project Name: AMI 2008 Sand Search

Sample Name: AMVC-08-09 #1

Analysis Date: 07-07-08

Analyzed By: LH

Easting (ft): 410,625
 Northing (ft): 1,155,511

Coordinate System: Florida State Plane West
 Elevation (ft): -23.5 NAVD 88

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

Dry Weight (g): 86.05
 Wash Weight (g): 85.02
 Pan Retained (g): 0.00
 Sieve Loss (%): 0.07
 Finer (%): #200 - 1.29
 #230 - 1.26
 Organics (%):
 Carbonates (%): 9
 Shell Hash (%): 1

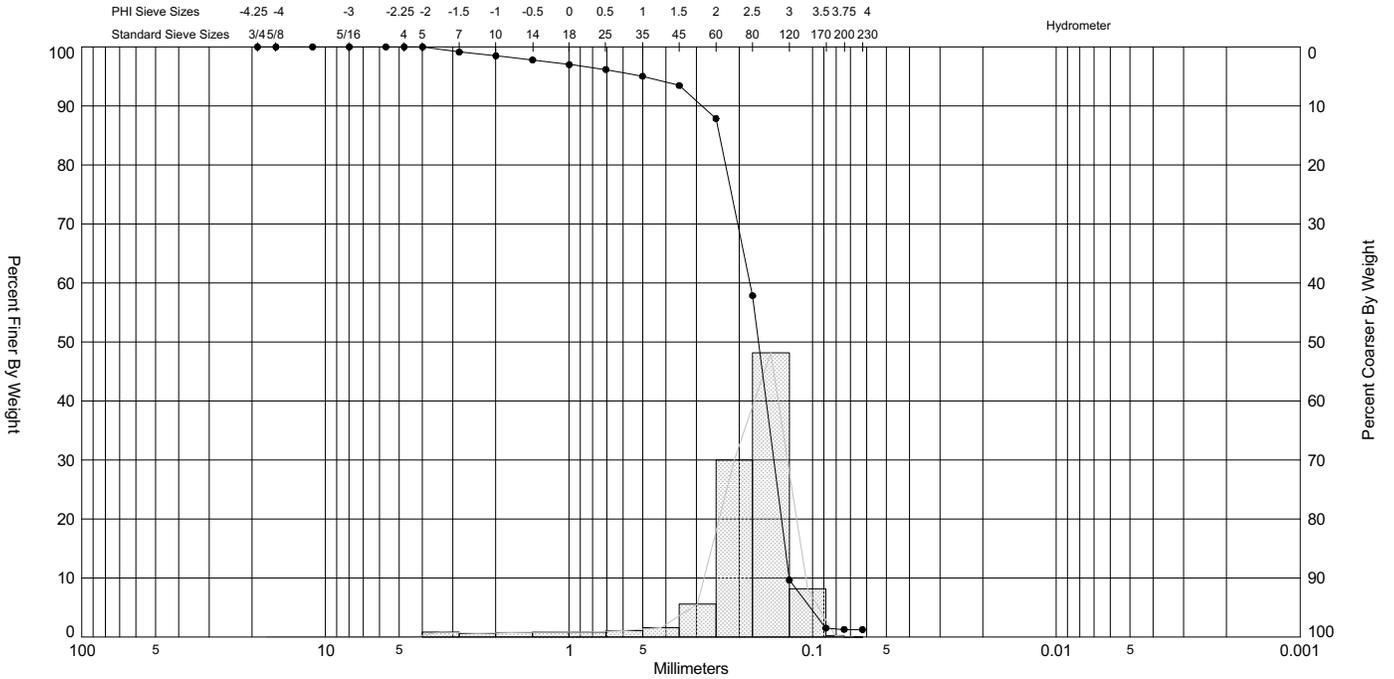
| Sieve Number | Sieve Size (Phi) | Sieve Size (Millimeters) | Grams Retained | % Weight Retained | Cum. Grams Retained | C. % Weight Retained |
|--------------|------------------|--------------------------|----------------|-------------------|---------------------|----------------------|
| 3/4" | -4.25 | 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 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | -1.50 | 2.83 | 0.75 | 0.87 | 0.75 | 0.87 |
| 10 | -1.00 | 2.00 | 0.53 | 0.62 | 1.28 | 1.49 |
| 14 | -0.50 | 1.41 | 0.61 | 0.71 | 1.89 | 2.20 |
| 18 | 0.00 | 1.00 | 0.70 | 0.81 | 2.59 | 3.01 |
| 25 | 0.50 | 0.71 | 0.71 | 0.83 | 3.30 | 3.84 |
| 35 | 1.00 | 0.50 | 0.96 | 1.12 | 4.26 | 4.96 |
| 45 | 1.50 | 0.35 | 1.36 | 1.58 | 5.62 | 6.54 |
| 60 | 2.00 | 0.25 | 4.82 | 5.60 | 10.44 | 12.14 |
| 80 | 2.50 | 0.18 | 25.82 | 30.01 | 36.26 | 42.15 |
| 120 | 3.00 | 0.13 | 41.46 | 48.18 | 77.72 | 90.33 |
| 170 | 3.50 | 0.09 | 7.01 | 8.15 | 84.73 | 98.48 |
| 200 | 3.75 | 0.07 | 0.20 | 0.23 | 84.93 | 98.71 |
| 230 | 4.00 | 0.06 | 0.03 | 0.03 | 84.96 | 98.74 |

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 |
|-------------------|----------|---------|---------|----------|----------|--------|
| 3.29 | 2.93 | 2.84 | 2.58 | 2.21 | 2.06 | 1.01 |
| Moment Statistics | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis | |
| | 2.4 | 0.19 | 0.78 | -2.98 | 14.04 | |

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-08-09 #1 | —●— | -23.5 | SP | #200 - 1.29 #230 - 1.26 | | 9 | 2.58 | 2.4 | -2.98 | 14.04 | 0.78 | Project Name: | AMI 2008 Sand Search |
| Comments: | | | | | | | | | | | | Analysis Date: | 07-07-08 |
| 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): | 410,625 |
| | | | | | | | | | | | | Northing (Y, ft): | 1,155,511 |
| | | | | | | | | | | | | Horizontal System: | NAD 1983 |
| | | | | | | | | | | | | Vertical System: | NAVD 88 |