

# Granularmetric Report

Depths and elevations based on measured values



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Project Name: AMI 2008 Sand Search

Sample Name: AMVC-08-08 #1

Analysis Date: 07-07-08

Analyzed By: LH

Easting (ft): 411,713  
 Northing (ft): 1,155,241

Coordinate System: Florida State Plane West  
 Elevation (ft): -23.0 NAVD 88

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

Dry Weight (g): 86.20  
 Wash Weight (g): 85.13  
 Pan Retained (g): 0.06  
 Sieve Loss (%): 0.00  
 Finer (%): #200 - 1.32  
 #230 - 1.31  
 Organics (%):  
 Carbonates (%): 6  
 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                     | 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                     | 0.19           | 0.22              | 0.19                | 0.22                 |
| 7            | -1.50            | 2.83                     | 0.11           | 0.13              | 0.30                | 0.35                 |
| 10           | -1.00            | 2.00                     | 0.23           | 0.27              | 0.53                | 0.62                 |
| 14           | -0.50            | 1.41                     | 0.25           | 0.29              | 0.78                | 0.91                 |
| 18           | 0.00             | 1.00                     | 0.23           | 0.27              | 1.01                | 1.18                 |
| 25           | 0.50             | 0.71                     | 0.30           | 0.35              | 1.31                | 1.53                 |
| 35           | 1.00             | 0.50                     | 0.42           | 0.49              | 1.73                | 2.02                 |
| 45           | 1.50             | 0.35                     | 0.56           | 0.65              | 2.29                | 2.67                 |
| 60           | 2.00             | 0.25                     | 1.36           | 1.58              | 3.65                | 4.25                 |
| 80           | 2.50             | 0.18                     | 12.01          | 13.93             | 15.66               | 18.18                |
| 120          | 3.00             | 0.13                     | 54.31          | 63.00             | 69.97               | 81.18                |
| 170          | 3.50             | 0.09                     | 14.51          | 16.83             | 84.48               | 98.01                |
| 200          | 3.75             | 0.07                     | 0.58           | 0.67              | 85.06               | 98.68                |
| 230          | 4.00             | 0.06                     | 0.01           | 0.01              | 85.07               | 98.69                |

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 |
|------------|----------|---------|---------|----------|----------|--------|
| 3.41       | 3.08     | 2.95    | 2.75    | 2.55     | 2.42     | 2.03   |
| Moment     | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis |        |
| Statistics | 2.68     | 0.16    | 0.58    | -4.16    | 28.7     |        |

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

