

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: AMI 2008 Sand Search

Sample Name: AMVC-08-10 #5

Analysis Date: 08-08-08

Analyzed By: PB

| | |
|---------------|----------------|
| Easting (ft): | Northing (ft): |
| 411,957 | 1,156,109 |

| | |
|--------------------------|-----------------|
| Coordinate System: | Elevation (ft): |
| Florida State Plane West | -22.7 NAVD 88 |

| | | |
|-------|---|-----------|
| USCS: | Munsell: | Comments: |
| SW | Wet - 5Y-6/1 Dry - 5Y-7/2 Washed - 5Y-7/1 | |

| | | | | | | | |
|-----------------|------------------|-------------------|-----------------|----------------------------|---------------|-----------------|-----------------|
| Dry Weight (g): | Wash Weight (g): | Pan Retained (g): | Sieve Loss (%): | Fines (%): | Organics (%): | Carbonates (%): | Shell Hash (%): |
| 93.10 | 90.25 | 0.05 | 0.00 | #200 - 3.16 #230 - 3.11 | | 29 | 2 |

| 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 | 0.65 | 0.70 | 0.65 | 0.70 |
| 3.5 | -2.50 | 5.66 | 1.34 | 1.44 | 1.99 | 2.14 |
| 4 | -2.25 | 4.76 | 0.21 | 0.23 | 2.20 | 2.37 |
| 5 | -2.00 | 4.00 | 0.33 | 0.35 | 2.53 | 2.72 |
| 7 | -1.50 | 2.83 | 1.28 | 1.37 | 3.81 | 4.09 |
| 10 | -1.00 | 2.00 | 1.61 | 1.73 | 5.42 | 5.82 |
| 14 | -0.50 | 1.41 | 2.65 | 2.85 | 8.07 | 8.67 |
| 18 | 0.00 | 1.00 | 2.68 | 2.88 | 10.75 | 11.55 |
| 25 | 0.50 | 0.71 | 3.61 | 3.88 | 14.36 | 15.43 |
| 35 | 1.00 | 0.50 | 3.96 | 4.25 | 18.32 | 19.68 |
| 45 | 1.50 | 0.35 | 4.71 | 5.06 | 23.03 | 24.74 |
| 60 | 2.00 | 0.25 | 7.68 | 8.25 | 30.71 | 32.99 |
| 80 | 2.50 | 0.18 | 22.88 | 24.58 | 53.59 | 57.57 |
| 120 | 3.00 | 0.13 | 31.09 | 33.39 | 84.68 | 90.96 |
| 170 | 3.50 | 0.09 | 5.08 | 5.46 | 89.76 | 96.42 |
| 200 | 3.75 | 0.07 | 0.39 | 0.42 | 90.15 | 96.84 |
| 230 | 4.00 | 0.06 | 0.05 | 0.05 | 90.20 | 96.89 |

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 | 2.90 | 2.76 | 2.35 | 1.52 | 0.57 | -1.24 |
| Moment | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis | |
| Statistics | 1.82 | 0.28 | 1.38 | -1.68 | 5.36 | |

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

