
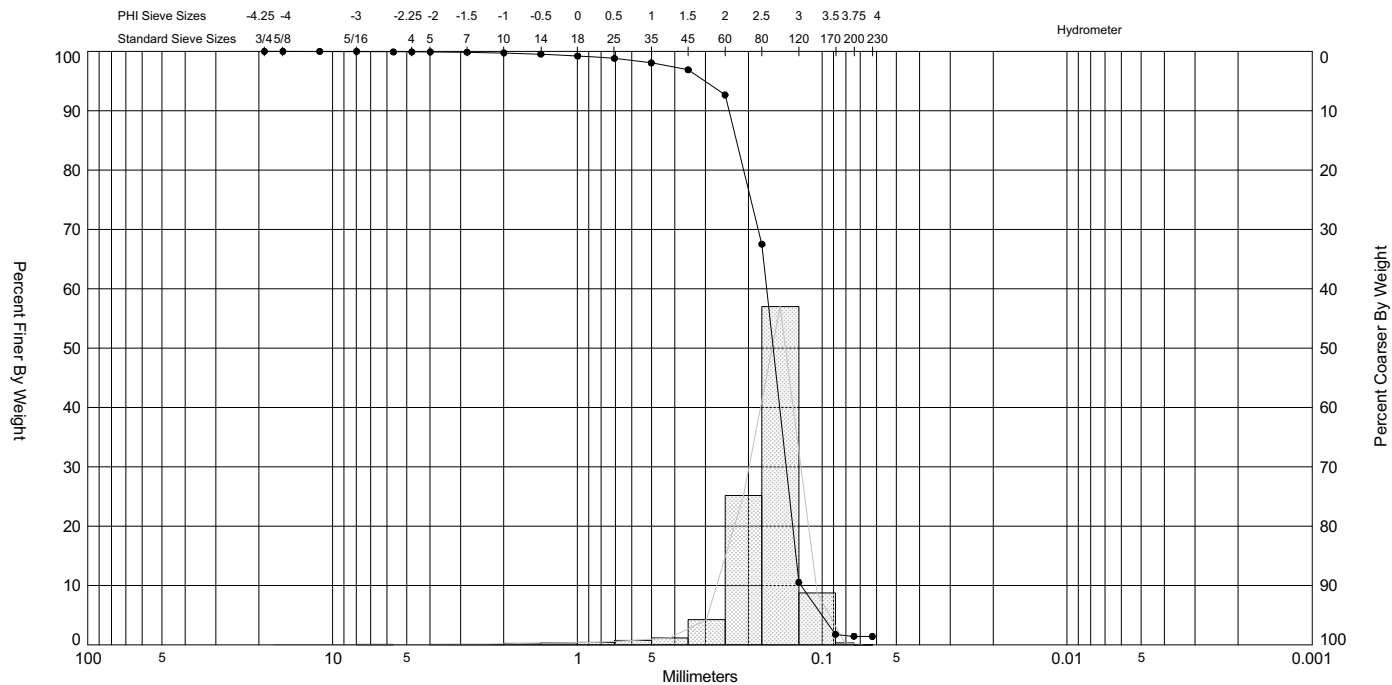




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|--|--|--|--|---|---------------------|---|---|
| Granularmetric Report Depths and elevations based on measured values | | | |  Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116 | | | |
| Project Name: AMI 2008 Sand Search | | | | | | | |
| Sample Name: AMVC-08-18 #3 | | | | | | | |
| Analysis Date: 07-08-08 | | | | | | | |
| Analyzed By: TD | | | | | | | |
| Easting (ft): <div style="text-align: center;">411,655</div> | | Northing (ft): <div style="text-align: center;">1,156,808</div> | | Coordinate System: <div style="text-align: center;">Florida State Plane West</div> | | Elevation (ft): <div style="text-align: center;">-21.5 NAVD 88</div> | |
| USCS: <div style="text-align: center;">SP</div> | | Munsell: Wet - 5Y-7/2 Dry - 5Y-7/1 Washed - 5Y-7/1 | | Comments: | | | |
| Dry Weight (g): <div style="text-align: center;">84.44</div> | Wash Weight (g): <div style="text-align: center;">83.27</div> | Pan Retained (g): <div style="text-align: center;">0.02</div> | Sieve Loss (%): <div style="text-align: center;">0.00</div> | Fines (%): #200 - 1.45 #230 - 1.41 | Organics (%): | Carbonates (%): <div style="text-align: center;">5</div> | Shell Hash (%): <div style="text-align: center;">0</div> |
| 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 | 0.07 | 0.08 | 0.07 | 0.08 | |
| 4 | -2.25 | 4.76 | 0.00 | 0.00 | 0.07 | 0.08 | |
| 5 | -2.00 | 4.00 | 0.00 | 0.00 | 0.07 | 0.08 | |
| 7 | -1.50 | 2.83 | 0.05 | 0.06 | 0.12 | 0.14 | |
| 10 | -1.00 | 2.00 | 0.09 | 0.11 | 0.21 | 0.25 | |
| 14 | -0.50 | 1.41 | 0.18 | 0.21 | 0.39 | 0.46 | |
| 18 | 0.00 | 1.00 | 0.28 | 0.33 | 0.67 | 0.79 | |
| 25 | 0.50 | 0.71 | 0.34 | 0.40 | 1.01 | 1.19 | |
| 35 | 1.00 | 0.50 | 0.63 | 0.75 | 1.64 | 1.94 | |
| 45 | 1.50 | 0.35 | 0.99 | 1.17 | 2.63 | 3.11 | |
| 60 | 2.00 | 0.25 | 3.56 | 4.22 | 6.19 | 7.33 | |
| 80 | 2.50 | 0.18 | 21.24 | 25.15 | 27.43 | 32.48 | |
| 120 | 3.00 | 0.13 | 48.12 | 56.99 | 75.55 | 89.47 | |
| 170 | 3.50 | 0.09 | 7.40 | 8.76 | 82.95 | 98.23 | |
| 200 | 3.75 | 0.07 | 0.27 | 0.32 | 83.22 | 98.55 | |
| 230 | 4.00 | 0.06 | 0.03 | 0.04 | 83.25 | 98.59 | |
| 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 | |
| 3.32 | 2.95 | 2.87 | 2.65 | 2.35 | 2.17 | 1.72 | |
| Moment | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis | | |
| Statistics | 2.55 | 0.17 | 0.54 | -3.22 | 22.23 | | |



| | | | | | |
|--------|------|--------|--------|------|---------------|
| 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-08-18 #3 |  | -21.5 | SP | #200 - 1.45 #230 - 1.41 | | 5 | 2.65 | 2.55 | -3.22 | 22.23 | 0.54 | Project Name: | AMI 2008 Sand Search |
| Comments: | | | | | | | | | | | | Analysis Date: | 07-08-08 |
| Depths and elevations based on measured values | | | | | | | | | | | | Analyzed By: | TD |
|  | | | | | | Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116 | | | | | | Easting (X, ft): | 411,655 |
| | | | | | | | | | | | | Northing (Y, ft): | 1,156,808 |
| | | | | | | | | | | | | Horizontal System: | NAD 1983 |
| | | | | | | | | | | | | Vertical System: | NAVD 88 |