
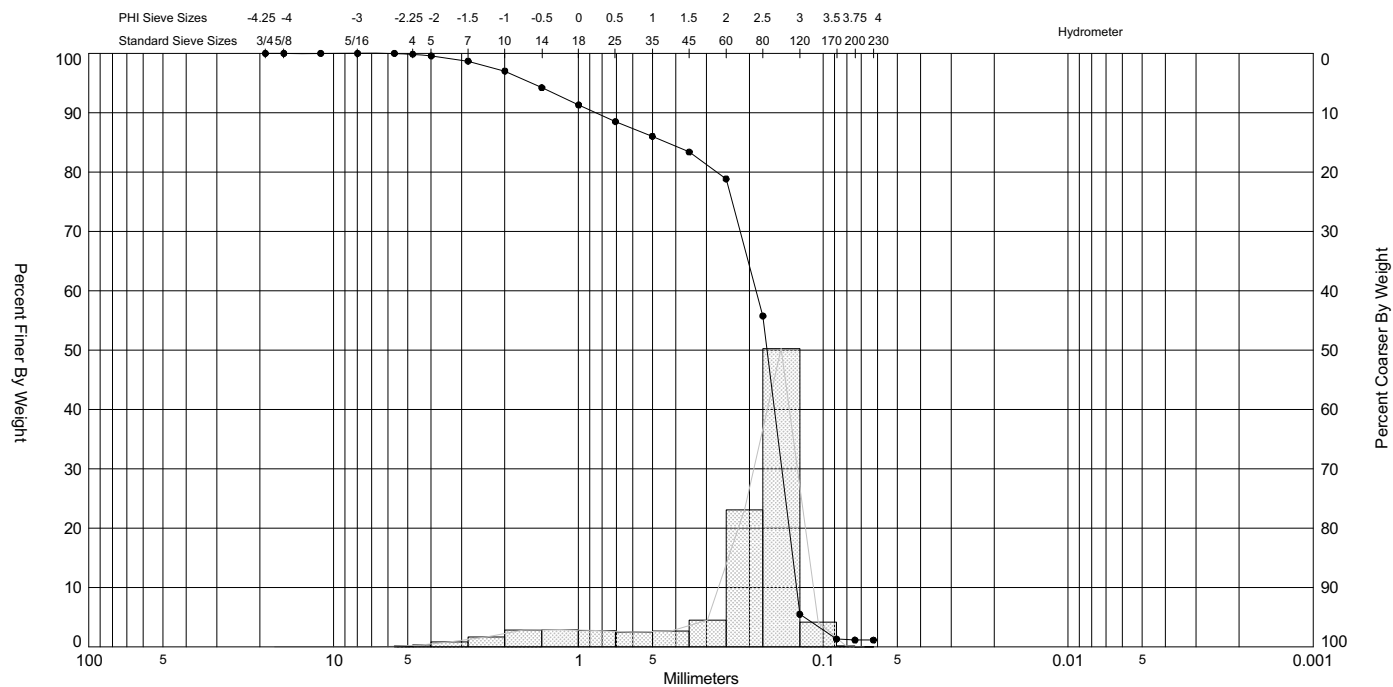



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|--|---|--|--|---|---------------------|--|---|
| Granularmetric Report Depths and elevations based on measured values | | | |  Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116 | | | |
| Project Name: AMI Beach Samples 2008 | | | | | | | |
| Sample Name: R-9 MLW | | | | | | | |
| Analysis Date: 09-29-08 | | | | | | | |
| Analyzed By: RC | | | | | | | |
| Easting (ft): <div style="text-align: center;">418,052</div> | | Northing (ft): <div style="text-align: center;">1,159,842</div> | | Coordinate System: <div style="text-align: center;">Florida State Plane West</div> | | Elevation (ft): <div style="text-align: center;">-1.3 NAVD 88</div> | |
| USCS: <div style="text-align: center;">SW</div> | | Munsell: Wet - 5Y-7/2 Dry - 5Y-8/1 Washed - 5Y-8/1 | | Comments: | | | |
| Dry Weight (g): <div style="text-align: center;">142.14</div> | Wash Weight (g): <div style="text-align: center;">140.57</div> | Pan Retained (g): <div style="text-align: center;">0.00</div> | Sieve Loss (%): <div style="text-align: center;">0.04</div> | Fines (%): #200 - 1.14 #230 - 1.13 | Organics (%): | Carbonates (%): <div style="text-align: center;">21</div> | Shell Hash (%): <div style="text-align: center;">1</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 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | -2.25 | 4.76 | 0.19 | 0.13 | 0.19 | 0.13 | |
| 5 | -2.00 | 4.00 | 0.42 | 0.30 | 0.61 | 0.43 | |
| 7 | -1.50 | 2.83 | 1.24 | 0.87 | 1.85 | 1.30 | |
| 10 | -1.00 | 2.00 | 2.37 | 1.67 | 4.22 | 2.97 | |
| 14 | -0.50 | 1.41 | 3.99 | 2.81 | 8.21 | 5.78 | |
| 18 | 0.00 | 1.00 | 4.15 | 2.92 | 12.36 | 8.70 | |
| 25 | 0.50 | 0.71 | 3.97 | 2.79 | 16.33 | 11.49 | |
| 35 | 1.00 | 0.50 | 3.52 | 2.48 | 19.85 | 13.97 | |
| 45 | 1.50 | 0.35 | 3.77 | 2.65 | 23.62 | 16.62 | |
| 60 | 2.00 | 0.25 | 6.42 | 4.52 | 30.04 | 21.14 | |
| 80 | 2.50 | 0.18 | 32.84 | 23.10 | 62.88 | 44.24 | |
| 120 | 3.00 | 0.13 | 71.44 | 50.26 | 134.32 | 94.50 | |
| 170 | 3.50 | 0.09 | 5.94 | 4.18 | 140.26 | 98.68 | |
| 200 | 3.75 | 0.07 | 0.25 | 0.18 | 140.51 | 98.86 | |
| 230 | 4.00 | 0.06 | 0.01 | 0.01 | 140.52 | 98.87 | |
| 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 | |
| 3.06 | 2.90 | 2.81 | 2.56 | 2.08 | 1.38 | -0.64 | |
| Moment | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis | | |
| Statistics | 2.13 | 0.23 | 1.11 | -1.95 | 6.03 | | |



| 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 | |
|---|--------|------------|------|----------------------------|------------|--|--------|------|-------|------|------|--------------------|------------------------|
| R-9 MLW | ● | -1.3 | SW | #200 - 1.14 #230 - 1.13 | | 21 | 2.56 | 2.13 | -1.95 | 6.03 | 1.11 | Project Name: | AMI Beach Samples 2008 |
| Comments: | | | | | | | | | | | | Analysis Date: | 09-29-08 |
| Depths and elevations based on measured values | | | | | | | | | | | | Analyzed By: | RC |
|  | | | | | | Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116 | | | | | | Easting (X, ft): | 418,052 |
| | | | | | | | | | | | | Northing (Y, ft): | 1,159,842 |
| | | | | | | | | | | | | Horizontal System: | NAD 1983 |
| | | | | | | | | | | | | Vertical System: | NAVD 88 |