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|--|---|--|--|---|---------------------|--|---|
| <b>Granularmetric Report</b><br>Depths and elevations based on measured values |   |  |  | <br>Coastal Planning & Engineering<br>2481 NW Boca Raton Blvd, Boca Raton<br>FL 33431<br>ph (561) 391-8102<br>fax (561) 391-9116 |                     |  |   |
| Project Name: AMI Beach Samples 2008   |   |  |  |   |                     |  |   |
| Sample Name: R-38 BAR  |   |  |  |   |                     |  |   |
| Analysis Date: 10-10-08  |   |  |  |   |                     |  |   |
| Analyzed By: MTY   |   |  |  |   |                     |  |   |
| Easting (ft):<br><div style="text-align: center;">430,856</div>                |   | Northing (ft):<br><div style="text-align: center;">1,134,074</div> |  | Coordinate System:<br><div style="text-align: center;">Florida State Plane West</div>   |                     | Elevation (ft):<br><div style="text-align: center;">-7.4 NAVD 88</div> |   |
| USCS:<br><div style="text-align: center;">SP</div>                             |   | Munsell: Wet - 2.5Y-7/2<br>Dry - 2.5Y-8/1<br>Washed - 2.5Y-8/1     |  | Comments:   |                     |  |   |
| Dry Weight (g):<br><div style="text-align: center;">132.02</div>               | Wash Weight (g):<br><div style="text-align: center;">130.35</div> | Pan Retained (g):<br><div style="text-align: center;">0.01</div>   | Sieve Loss (%):<br><div style="text-align: center;">0.05</div> | Fines (%):<br>#200 - 1.41<br>#230 - 1.33  | Organics (%):       | Carbonates (%):<br><div style="text-align: center;">8</div>            | Shell Hash (%):<br><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   | 0.34   | 0.26  | 0.34                | 0.26   |   |
| 4  | -2.25   | 4.76   | 0.31   | 0.23  | 0.65                | 0.49   |   |
| 5  | -2.00   | 4.00   | 0.15   | 0.11  | 0.80                | 0.60   |   |
| 7  | -1.50   | 2.83   | 0.34   | 0.26  | 1.14                | 0.86   |   |
| 10   | -1.00   | 2.00   | 0.53   | 0.40  | 1.67                | 1.26   |   |
| 14   | -0.50   | 1.41   | 0.89   | 0.67  | 2.56                | 1.93   |   |
| 18   | 0.00  | 1.00   | 0.82   | 0.62  | 3.38                | 2.55   |   |
| 25   | 0.50  | 0.71   | 1.01   | 0.77  | 4.39                | 3.32   |   |
| 35   | 1.00  | 0.50   | 0.88   | 0.67  | 5.27                | 3.99   |   |
| 45   | 1.50  | 0.35   | 1.49   | 1.13  | 6.76                | 5.12   |   |
| 60   | 2.00  | 0.25   | 3.43   | 2.60  | 10.19               | 7.72   |   |
| 80   | 2.50  | 0.18   | 18.08  | 13.69   | 28.27               | 21.41  |   |
| 120  | 3.00  | 0.13   | 72.85  | 55.18   | 101.12              | 76.59  |   |
| 170  | 3.50  | 0.09   | 26.88  | 20.36   | 128.00              | 96.95  |   |
| 200  | 3.75  | 0.07   | 2.16   | 1.64  | 130.16              | 98.59  |   |
| 230  | 4.00  | 0.06   | 0.11   | 0.08  | 130.27              | 98.67  |   |
| 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   |   |
| 3.45   | 3.18  | 2.99   | 2.76   | 2.53  | 2.30                | 1.45   |   |
| Moment   | Mean Phi  | Mean mm  | Sorting  | Skewness  | Kurtosis            |  |   |
| Statistics   | 2.62  | 0.16   | 0.8  | -3.57   | 19.28               |  |   |

SIEVE ANALYSIS AMI BEACH 2008.GPJ FL DEP ROSS.GDT 10/29/08

