
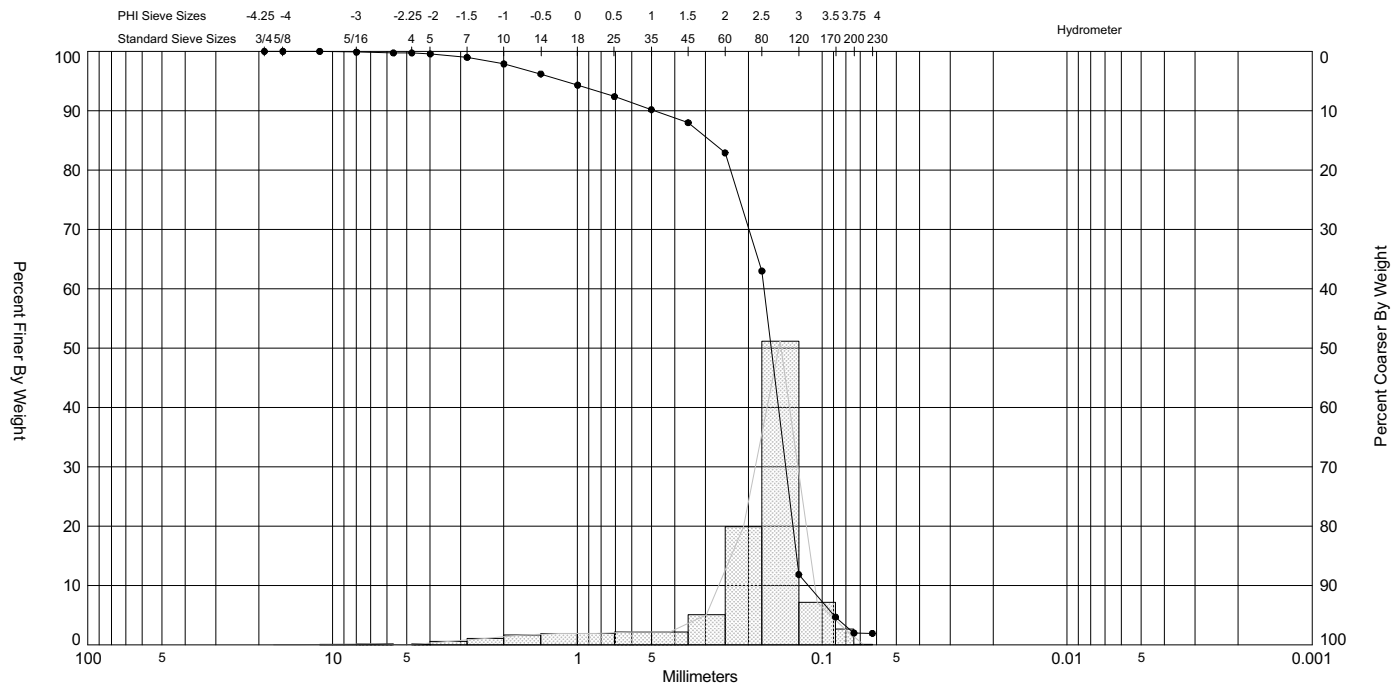



| | | | | | | | |
|--|--|--|--|---|---------------------|---|---|
| Granularmetric Report Depths and elevations based on measured values | | | |  Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116 | | | |
| Project Name: Anna Maria Island | | | | | | | |
| Sample Name: AMVC-05-15 #2 | | | | | | | |
| Analysis Date: 03-04-05 | | | | | | | |
| Analyzed By: CPE | | | | | | | |
| Easting (ft): <div style="text-align: center;">413,034</div> | | Northing (ft): <div style="text-align: center;">1,156,701</div> | | Coordinate System: <div style="text-align: center;">Florida State Plane West</div> | | Elevation (ft): <div style="text-align: center;">-20.4 NAVD 88</div> | |
| USCS: <div style="text-align: center;">SW</div> | | Munsell: Wet - 5Y-7/2 Dry - 5Y-8/1 Washed - 5Y-8/2 | | Comments: | | | |
| Dry Weight (g): <div style="text-align: center;">81.47</div> | Wash Weight (g): <div style="text-align: center;">79.99</div> | Pan Retained (g): <div style="text-align: center;">0.05</div> | Sieve Loss (%): <div style="text-align: center;">0.06</div> | Fines (%): #200 - 2.00 #230 - 1.93 | Organics (%): | Carbonates (%): <div style="text-align: center;">15</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 | |
| 11/16" | -3.50 | 11.31 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5/16" | -3.00 | 8.00 | 0.10 | 0.12 | 0.10 | 0.12 | |
| 3.5 | -2.50 | 5.66 | 0.11 | 0.14 | 0.21 | 0.26 | |
| 4 | -2.25 | 4.76 | 0.00 | 0.00 | 0.21 | 0.26 | |
| 5 | -2.00 | 4.00 | 0.14 | 0.17 | 0.35 | 0.43 | |
| 7 | -1.50 | 2.83 | 0.47 | 0.58 | 0.82 | 1.01 | |
| 10 | -1.00 | 2.00 | 0.90 | 1.10 | 1.72 | 2.11 | |
| 14 | -0.50 | 1.41 | 1.38 | 1.69 | 3.10 | 3.80 | |
| 18 | 0.00 | 1.00 | 1.54 | 1.89 | 4.64 | 5.69 | |
| 25 | 0.50 | 0.71 | 1.57 | 1.93 | 6.21 | 7.62 | |
| 35 | 1.00 | 0.50 | 1.79 | 2.20 | 8.00 | 9.82 | |
| 45 | 1.50 | 0.35 | 1.79 | 2.20 | 9.79 | 12.02 | |
| 60 | 2.00 | 0.25 | 4.14 | 5.08 | 13.93 | 17.10 | |
| 80 | 2.50 | 0.18 | 16.22 | 19.91 | 30.15 | 37.01 | |
| 120 | 3.00 | 0.13 | 41.66 | 51.14 | 71.81 | 88.15 | |
| 170 | 3.50 | 0.09 | 5.84 | 7.17 | 77.65 | 95.32 | |
| 200 | 3.75 | 0.07 | 2.18 | 2.68 | 79.83 | 98.00 | |
| 230 | 4.00 | 0.06 | 0.06 | 0.07 | 79.89 | 98.07 | |
| 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 | |
| 3.48 | 2.96 | 2.87 | 2.63 | 2.20 | 1.89 | -0.18 | |
| Moment | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis | | |
| Statistics | 2.32 | 0.20 | 1.02 | -2.3 | 8.73 | | |

SIEVE ANALYSIS ANNA MARIA_05 NAVD88.GPJ FL DEPROSS.GDT 10/30/08



| 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-05-15 #2 | —●— | -20.4 | SW | #200 - 2.00 #230 - 1.93 | | 15 | 2.63 | 2.32 | -2.3 | 8.73 | 1.02 | Project Name: | Anna Maria Island |
| Comments: | | | | | | | | | | | | Analysis Date: | 03-04-05 |
| Depths and elevations based on measured values | | | | | | | | | | | | Analyzed By: | CPE |
|  | | | | | | Coastal Planning & Engineering | | | | | | Easting (X, ft): | 413,034 |
| | | | | | | 2481 NW Boca Raton Blvd, Boca Raton | | | | | | Northing (Y, ft): | 1,156,701 |
| | | | | | | FL 33431 | | | | | | Horizontal System: | NAD 1983 |
| | | | | | | ph (561) 391-8102 fax (561) 391-9116 | | | | | | Vertical System: | NAVD 88 |