
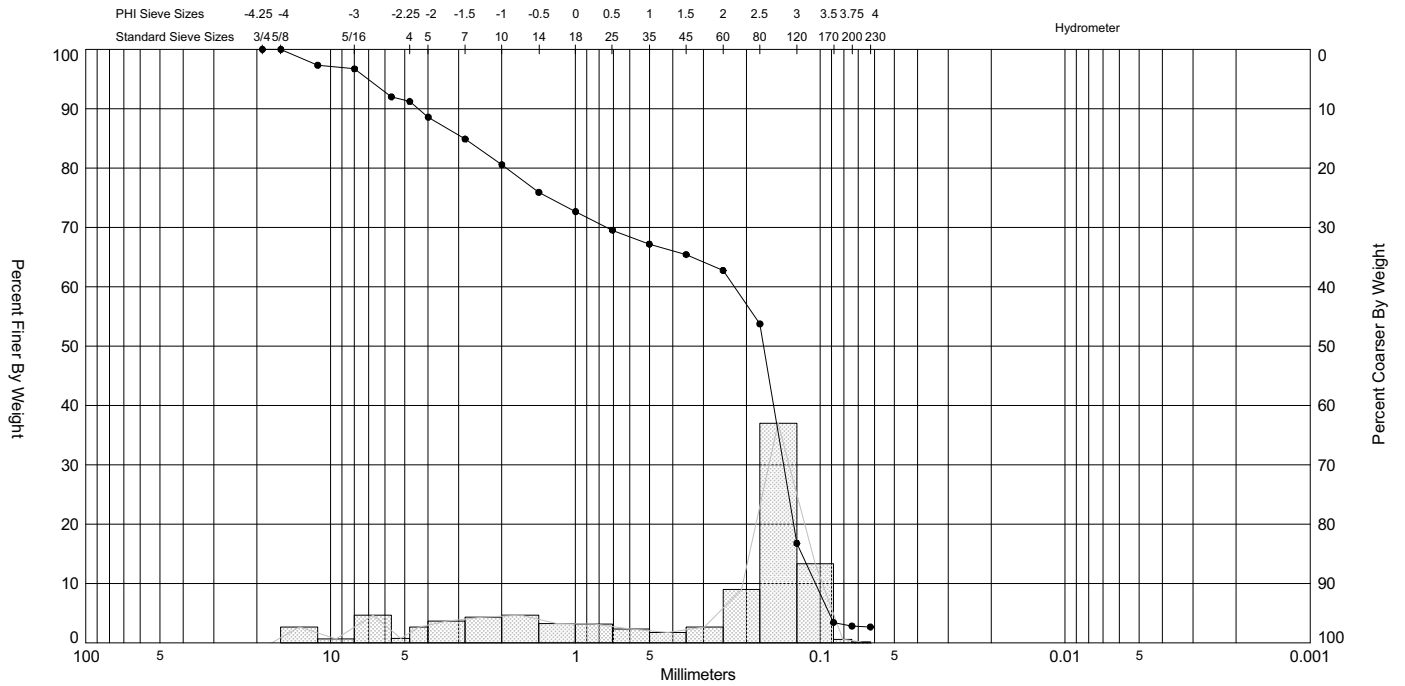



| | | | | | | | |
|--|--|--|--|---|---------------------|---|--|
| Granularmetric Report Depths and elevations based on measured values | | | |  Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116 | | | |
| Project Name: Anna Maria Island | | | | | | | |
| Sample Name: AMVC-05-14 #7 | | | | | | | |
| Analysis Date: 03-07-05 | | | | | | | |
| Analyzed By: CPE | | | | | | | |
| Easting (ft): <div style="text-align: center;">412,680</div> | | Northing (ft): <div style="text-align: center;">1,156,488</div> | | Coordinate System: <div style="text-align: center;">Florida State Plane West</div> | | Elevation (ft): <div style="text-align: center;">-26.7 NAVD 88</div> | |
| USCS: <div style="text-align: center;">SW</div> | | Munsell: Wet - 5Y-6/3 Dry - 5Y-7/2 Washed - 5Y-8/1 | | Comments: | | | |
| Dry Weight (g): <div style="text-align: center;">76.39</div> | Wash Weight (g): <div style="text-align: center;">74.55</div> | Pan Retained (g): <div style="text-align: center;">0.06</div> | Sieve Loss (%): <div style="text-align: center;">0.20</div> | Fines (%): #200 - 2.84 #230 - 2.68 | Organics (%): | Carbonates (%): | Shell Hash (%): <div style="text-align: center;">34</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 | 2.03 | 2.66 | 2.03 | 2.66 | |
| 5/16" | -3.00 | 8.00 | 0.48 | 0.63 | 2.51 | 3.29 | |
| 3.5 | -2.50 | 5.66 | 3.59 | 4.70 | 6.10 | 7.99 | |
| 4 | -2.25 | 4.76 | 0.61 | 0.80 | 6.71 | 8.78 | |
| 5 | -2.00 | 4.00 | 2.01 | 2.63 | 8.72 | 11.42 | |
| 7 | -1.50 | 2.83 | 2.82 | 3.69 | 11.54 | 15.11 | |
| 10 | -1.00 | 2.00 | 3.32 | 4.35 | 14.86 | 19.45 | |
| 14 | -0.50 | 1.41 | 3.54 | 4.63 | 18.40 | 24.09 | |
| 18 | 0.00 | 1.00 | 2.48 | 3.25 | 20.88 | 27.33 | |
| 25 | 0.50 | 0.71 | 2.39 | 3.13 | 23.27 | 30.46 | |
| 35 | 1.00 | 0.50 | 1.79 | 2.34 | 25.06 | 32.81 | |
| 45 | 1.50 | 0.35 | 1.35 | 1.77 | 26.41 | 34.57 | |
| 60 | 2.00 | 0.25 | 2.04 | 2.67 | 28.45 | 37.24 | |
| 80 | 2.50 | 0.18 | 6.88 | 9.01 | 35.33 | 46.25 | |
| 120 | 3.00 | 0.13 | 28.24 | 36.97 | 63.57 | 83.22 | |
| 170 | 3.50 | 0.09 | 10.20 | 13.35 | 73.77 | 96.57 | |
| 200 | 3.75 | 0.07 | 0.45 | 0.59 | 74.22 | 97.16 | |
| 230 | 4.00 | 0.06 | 0.12 | 0.16 | 74.34 | 97.32 | |
| 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 | |
| 3.44 | 3.03 | 2.89 | 2.55 | -0.36 | -1.40 | -2.82 | |
| Moment | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis | | |
| Statistics | 1.32 | 0.40 | 2.11 | -0.97 | 2.5 | | |

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-05-14 #7 | —●— | -26.7 | SW | #200 - 2.84 #230 - 2.68 | | | 2.55 | 1.32 | -0.97 | 2.5 | 2.11 | Project Name: | Anna Maria Island |
| Comments: | | | | | | | | | | | | Analysis Date: | 03-07-05 |
| Depths and elevations based on measured values | | | | | | | | | | | | Analyzed By: | CPE |
|  | | | | | | Coastal Planning & Engineering | | | | | | Easting (X, ft): | 412,680 |
| | | | | | | 2481 NW Boca Raton Blvd, Boca Raton | | | | | | Northing (Y, ft): | 1,156,488 |
| | | | | | | FL 33431 | | | | | | Horizontal System: | NAD 1983 |
| | | | | | | ph (561) 391-8102 fax (561) 391-9116 | | | | | | Vertical System: | NAVD 88 |