




| Granularmetric Report | | | |  Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116 | | | |
|---|------------------|--------------------------|-----------------|---|---------------------|----------------------|-----------------|
| Depths and elevations based on measured values | | | | | | | |
| Project Name: Anna Maria 2008 Composites | | | | | | | |
| Sample Name: AMVC-08-02 COMP | | | | | | | |
| Analysis Date: 09-19-08 | | | | | | | |
| Analyzed By: PB | | | | | | | |
| Easting (ft): | | Northing (ft): | | Coordinate System: | | Elevation (ft): | |
| 412,571 | | 1,154,054 | | Florida State Plane West | | | |
| USCS: | | Munsell: | | Comments: | | | |
| SP | | | | COMPOSITE | | | |
| Dry Weight (g): | Wash Weight (g): | Pan Retained (g): | Sieve Loss (%): | Fines (%): | Organics (%): | Carbonates (%): | Shell Hash (%): |
| 100.00 | 100.00 | 1.26 | 0.00 | #200 - 1.32 #230 - 1.26 | | 9 | |
| 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 | 0.02 | 0.02 | 0.02 | 0.02 | |
| 5 | -2.00 | 4.00 | 0.05 | 0.05 | 0.07 | 0.07 | |
| 7 | -1.50 | 2.83 | 0.35 | 0.35 | 0.42 | 0.42 | |
| 10 | -1.00 | 2.00 | 0.46 | 0.46 | 0.88 | 0.88 | |
| 14 | -0.50 | 1.41 | 0.80 | 0.80 | 1.68 | 1.68 | |
| 18 | 0.00 | 1.00 | 0.82 | 0.82 | 2.50 | 2.50 | |
| 25 | 0.50 | 0.71 | 0.98 | 0.98 | 3.48 | 3.48 | |
| 35 | 1.00 | 0.50 | 1.02 | 1.02 | 4.50 | 4.50 | |
| 45 | 1.50 | 0.35 | 1.28 | 1.28 | 5.78 | 5.78 | |
| 60 | 2.00 | 0.25 | 3.05 | 3.05 | 8.83 | 8.83 | |
| 80 | 2.50 | 0.18 | 12.72 | 12.72 | 21.55 | 21.55 | |
| 120 | 3.00 | 0.13 | 59.30 | 59.30 | 80.85 | 80.85 | |
| 170 | 3.50 | 0.09 | 17.25 | 17.25 | 98.10 | 98.10 | |
| 200 | 3.75 | 0.07 | 0.58 | 0.58 | 98.68 | 98.68 | |
| 230 | 4.00 | 0.06 | 0.06 | 0.06 | 98.74 | 98.74 | |
| 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 | |
| 3.41 | 3.09 | 2.95 | 2.74 | 2.53 | 2.28 | 1.20 | |
| Moment | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis | | |
| Statistics | 2.59 | 0.17 | 0.75 | -3.15 | 15.2 | | |

| | | | | | |
|--------|------|--------|--------|------|---------------|
| 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-08-02 COMP |  | | SP | #200 - 1.32 #230 - 1.26 | | 9 | 2.74 | 2.59 | -3.15 | 15.2 | 0.75 | Project Name: | Anna Maria 2008 Composites |
| Comments: COMPOSITE | | | | | | | | | | | | Analysis Date: | 09-19-08 |
| Depths and elevations based on measured values | | | | | | | | | | | | Analyzed By: | PB |
|  | | | | | | Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116 | | | | | | Easting (X, ft): | 412,571 |
| | | | | | | | | | | | | Northing (Y, ft): | 1,154,054 |
| | | | | | | | | | | | | Horizontal System: | NAD 1983 |
| | | | | | | | | | | | | Vertical System: | NAVD 88 |