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|--|------------------|--------------------------|-----------------|---|---------------------|----------------------|-------------|
| Granularmetric Report Depths and elevations based on measured values | | | |  <p>US Army Corps of Engineers 701 San Marco Blvd. Jacksonville, Florida 32207 Phone (904) 396-7121</p> | | | |
| Project Name: Sarasota SPP | | | | | | | |
| Sample Name: VB-SASP06-8S-01 #1 | | | | | | | |
| Analysis Date: 12-06-10 | | | | | | | |
| Analyzed By: | | | | | | | |
| Easting (ft): | | Northing (ft): | | Coordinate System: | | Elevation (ft): | |
| 489,107 | | 938,731 | | | | -46.1 NAVD88 | |
| USCS: | | Munsell: | | Comments: | | | |
| SW | | Wet - 5Y 6/1 | | | | | |
| Dry Weight (g): | Wash Weight (g): | Pan Retained (g): | Sieve Loss (%): | Fines (%): | Organics (%): | Carbonates (%): | Shells (%): |
| | | | | #230 - 1.87 | | 75.70 | 24.00 |
| 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 | |
| 3/8 | -3.25 | 9.48 | | 2.01 | | 2.01 | |
| #3.5 | -2.50 | 5.66 | | 0.93 | | 2.94 | |
| #4 | -2.25 | 4.75 | | 0.09 | | 3.03 | |
| #5 | -2.00 | 3.99 | | 0.23 | | 3.26 | |
| #7 | -1.50 | 2.82 | | 0.76 | | 4.02 | |
| #10 | -1.00 | 2.00 | | 1.01 | | 5.03 | |
| #14 | -0.50 | 1.41 | | 2.58 | | 7.61 | |
| #18 | 0.00 | 1.00 | | 5.51 | | 13.12 | |
| #25 | 0.50 | 0.71 | | 12.35 | | 25.47 | |
| #35 | 1.00 | 0.50 | | 16.30 | | 41.77 | |
| #45 | 1.50 | 0.35 | | 23.36 | | 65.13 | |
| #60 | 2.00 | 0.25 | | 15.20 | | 80.33 | |
| #80 | 2.50 | 0.18 | | 7.68 | | 88.01 | |
| #120 | 3.00 | 0.13 | | 7.23 | | 95.24 | |
| #170 | 3.50 | 0.09 | | 2.37 | | 97.61 | |
| #200 | 3.75 | 0.07 | | 0.37 | | 97.98 | |
| #230 | 4.00 | 0.06 | | 0.15 | | 98.13 | |
| | | | | | | | |
| Phi 5 | Phi 16 | Phi 25 | Phi 50 | Phi 75 | Phi 84 | Phi 95 | |
| 2.98 | 2.24 | 1.82 | 1.17 | 0.48 | 0.12 | -1.01 | |
| Moment | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis | | |
| Statistics | 1.03 | 0.49 | 1.27 | -1.27 | 6.26 | | |

GRANULARMETRIC REPORT SARASOTA_ALL_VC_GINT_FDEP.GPJ FL DEP ROSS.GDT 8/2/13

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|--|------------------|----------------------------------|-----------------|---|---------------------|--|-------------|
| Granularmetric Report Depths and elevations based on measured values | | | |  US Army Corps of Engineers 701 San Marco Blvd. Jacksonville, Florida 32207 Phone (904) 396-7121 | | | |
| Project Name: Sarasota SPP | | | | | | | |
| Sample Name: VB-SASP06-8S-01 #1-P | | | | | | | |
| Analysis Date: 12-06-10 | | | | | | | |
| Analyzed By: | | | | | | | |
| Easting (ft): 489,107 | | Northing (ft): 938,731 | | Coordinate System: | | Elevation (ft): -46.1 NAVD88 | |
| USCS: SP | | Munsell: Wet - 10Y 7/1 | | Comments: | | | |
| Dry Weight (g): | Wash Weight (g): | Pan Retained (g): | Sieve Loss (%): | Fines (%): #230 - 0.04 | Organics (%): | Carbonates (%): | Shells (%): |
| Sieve Number | Sieve Size (Phi) | Sieve Size (Millimeters) | Grams Retained | % Weight Retained | Cum. Grams Retained | C. % Weight Retained | |
| #10 | -1.00 | 2.00 | | 0.00 | | 0.00 | |
| #14 | -0.50 | 1.41 | | 0.38 | | 0.38 | |
| #18 | 0.00 | 1.00 | | 0.56 | | 0.94 | |
| #25 | 0.50 | 0.71 | | 0.82 | | 1.76 | |
| #35 | 1.00 | 0.50 | | 1.88 | | 3.64 | |
| #45 | 1.50 | 0.35 | | 10.72 | | 14.36 | |
| #60 | 2.00 | 0.25 | | 29.90 | | 44.26 | |
| #80 | 2.50 | 0.18 | | 21.70 | | 65.96 | |
| #120 | 3.00 | 0.13 | | 25.37 | | 91.33 | |
| #170 | 3.50 | 0.09 | | 6.89 | | 98.22 | |
| #200 | 3.75 | 0.07 | | 1.38 | | 99.60 | |
| #230 | 4.00 | 0.06 | | 0.36 | | 99.96 | |
| | | | | | | | |
| Phi 5 | Phi 16 | Phi 25 | Phi 50 | Phi 75 | Phi 84 | Phi 95 | |
| 3.27 | 2.86 | 2.68 | 2.13 | 1.67 | 1.52 | 1.06 | |
| Moment | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis | | |
| Statistics | 2.14 | 0.23 | 0.7 | -0.46 | 4 | | |

GRANULARMETRIC REPORT SARASOTA_ALL_VC_GINT_FDEP.GPJ FL DEP ROSS.GDT 8/2/13

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|--|------------------|----------------------------------|-----------------|---|---------------------|--|-------------|
| Granularmetric Report Depths and elevations based on measured values | | | |  <p>US Army Corps of Engineers 701 San Marco Blvd. Jacksonville, Florida 32207 Phone (904) 396-7121</p> | | | |
| Project Name: Sarasota SPP | | | | | | | |
| Sample Name: VB-SASP06-8S-01 #3 | | | | | | | |
| Analysis Date: 08-13-07 | | | | | | | |
| Analyzed By: | | | | | | | |
| Easting (ft): 489,107 | | Northing (ft): 938,731 | | Coordinate System: | | Elevation (ft): -48.1 NAVD88 | |
| USCS: SM | | Munsell: Wet - 5Y 6/2 | | Comments: | | | |
| Dry Weight (g): | Wash Weight (g): | Pan Retained (g): | Sieve Loss (%): | Fines (%): | Organics (%): | Carbonates (%): | Shells (%): |
| | | | | #230 - 17.30 | | | |
| 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 | |
| 3/8" | -3.25 | 9.48 | | 4.33 | | 4.33 | |
| #7 | -1.50 | 2.82 | | 6.20 | | 10.53 | |
| #10 | -1.00 | 2.00 | | 2.42 | | 12.95 | |
| #14 | -0.50 | 1.41 | | 3.99 | | 16.94 | |
| #18 | 0.00 | 1.00 | | 6.47 | | 23.41 | |
| #25 | 0.50 | 0.71 | | 7.40 | | 30.81 | |
| #35 | 1.00 | 0.50 | | 7.38 | | 38.19 | |
| #45 | 1.50 | 0.35 | | 4.46 | | 42.65 | |
| #60 | 2.00 | 0.25 | | 3.81 | | 46.46 | |
| #80 | 2.50 | 0.18 | | 6.26 | | 52.72 | |
| #120 | 3.00 | 0.13 | | 14.72 | | 67.44 | |
| #170 | 3.50 | 0.09 | | 9.49 | | 76.93 | |
| #200 | 3.75 | 0.07 | | 4.05 | | 80.98 | |
| #230 | 4.00 | 0.06 | | 1.72 | | 82.70 | |
| | | | | | | | |
| Phi 5 | Phi 16 | Phi 25 | Phi 50 | Phi 75 | Phi 84 | Phi 95 | |
| | | 3.40 | 2.28 | 0.11 | -0.62 | -3.06 | |
| Moment | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis | | |
| Statistics | 1.06 | 0.48 | 2.07 | -0.7 | 2.6 | | |