

**Onshore Grab Sample**

**Sample:** SR-03-SS  
**Sample Taken By:** J. Ladner  
**Sample Collected On:** 9/14/06  
**Splits?** Yes

**County:** Santa Rosa  
**Latitude:** 30° 23' 3.20"  
**Longitude:** 86° 49' 30.43"  
**Datum:** NAD 83  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 64.021 grams  
Total Fines in Sample 0.687 grams  
Total Percent Fines 1.06 %

**Dry Sieving Summary**

Total Sample Weight 63.277 grams  
Total Digested Weight 63.228 grams  
Total Carbonate Weight 0.049 grams  
Total Silica % 99.92 %  
Total Carbonate % 0.08 %  
Carbonate/Silica Ratio 0.001

**General Comments:**

Original Weight (with Beaker): 380.542; Not enough Carbonate Material to run a Post-Digestion Analysis

**Description**

Worked By: M. Lachance

# Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: SR-03-SS

Total Sample Mass: 63.277 grams

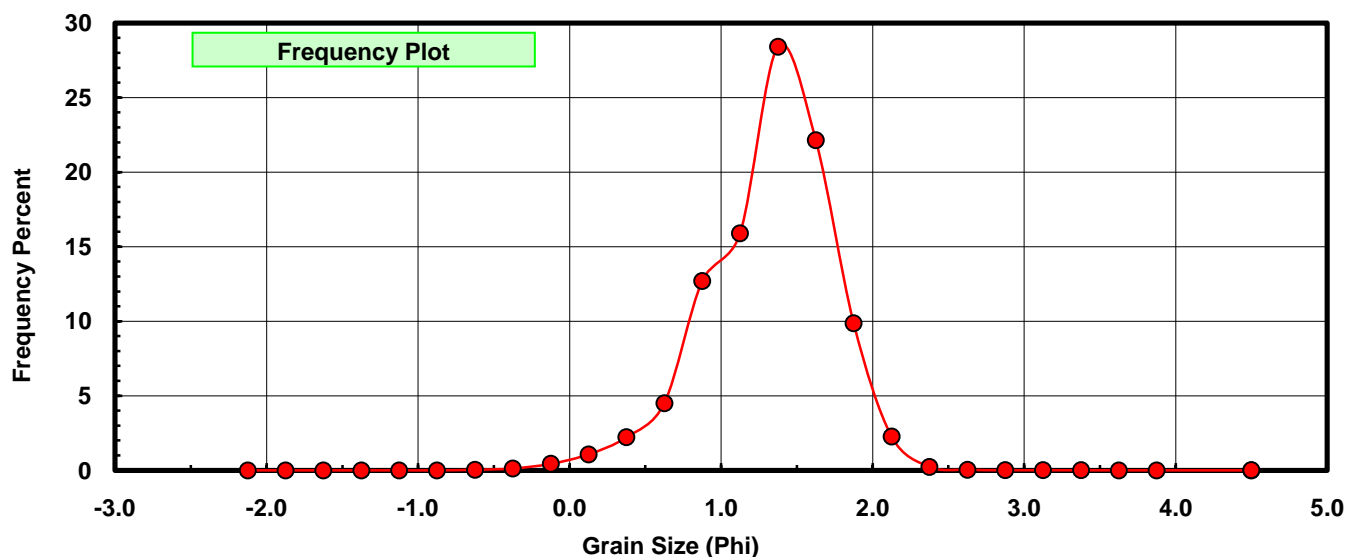
| Sieve Size (phi) | Sieve Midpt (phi) | Weight (grams) | Freq Weight % | Cumulative Weight % |
|------------------|-------------------|----------------|---------------|---------------------|
| -2.00            | -2.125            | 0.000          | 0.000         | 0.000               |
| -1.75            | -1.875            | 0.000          | 0.000         | 0.000               |
| -1.50            | -1.625            | 0.000          | 0.000         | 0.000               |
| -1.25            | -1.375            | 0.000          | 0.000         | 0.000               |
| -1.00            | -1.125            | 0.000          | 0.000         | 0.000               |
| -0.75            | -0.875            | 0.000          | 0.000         | 0.000               |
| -0.50            | -0.625            | 0.023          | 0.036         | 0.036               |
| -0.25            | -0.375            | 0.080          | 0.126         | 0.163               |
| 0.00             | -0.125            | 0.276          | 0.436         | 0.599               |
| 0.25             | 0.125             | 0.680          | 1.075         | 1.674               |
| 0.50             | 0.375             | 1.403          | 2.217         | 3.891               |
| 0.75             | 0.625             | 2.848          | 4.501         | 8.392               |
| 1.00             | 0.875             | 8.038          | 12.703        | 21.095              |
| 1.25             | 1.125             | 10.053         | 15.887        | 36.982              |
| 1.50             | 1.375             | 17.980         | 28.415        | 65.397              |
| 1.75             | 1.625             | 14.009         | 22.139        | 87.536              |
| 2.00             | 1.875             | 6.247          | 9.872         | 97.408              |
| 2.25             | 2.125             | 1.441          | 2.277         | 99.686              |
| 2.50             | 2.375             | 0.151          | 0.239         | 99.924              |
| 2.75             | 2.625             | 0.026          | 0.041         | 99.965              |
| 3.00             | 2.875             | 0.007          | 0.011         | 99.976              |
| 3.25             | 3.125             | 0.005          | 0.008         | 99.984              |
| 3.50             | 3.375             | 0.003          | 0.005         | 99.989              |
| 3.75             | 3.625             | 0.002          | 0.003         | 99.992              |
| 4.00             | 3.875             | 0.001          | 0.002         | 99.994              |
| 5.00             | 4.500             | 0.000          | 0.000         | 99.994              |
| 5.00             | 4.50              | 0.004          | 0.006         | 100.000             |

| Statistical Results |         |               |             |
|---------------------|---------|---------------|-------------|
| Mean:               | 1.3183  | phi           | (0.401 mm)  |
| Standard Dev:       | 0.4202  | phi-units     | (0.7473 mm) |
| Skewness:           | -0.5869 | dimensionless |             |
| Kurtosis:           | 4.0734  | dimensionless |             |
| 5th Moment:         | -4.6473 | dimensionless |             |
| 6th Moment:         | 44.0667 | dimensionless |             |
| RARD *              | 0.3188  | dimensionless |             |
| Median              | 1.2395  | phi           | (0.4235 mm) |

\* RARD = reciprocal absolute relative dispersion (see below)

| Statistical Explanation                           |
|---|
| Calculations based on the Method of Moments       |
| Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0 |
| Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0 |
| For Further Explanation, See Basille et al. 2002  |
| Millimeter data calculated by $mm = 2^{(-\phi)}$  |

| Reciprocal Absolute Relative Dispersion (RARD) Scale |                                       |
|--|---------------------------------------|
| < 0.5  | Excellent homogeneity (e.g., beaches) |
| 0.5 to 1.0   | Good homogeneity                      |
| 1.0 to 1.33  | Fair homogeneity                      |
| > 1.33   | Poor homogeneity (e.g., glacial)      |



# SR-03-SS

