

**Onshore Grab Sample**

**Sample:** OA-26-MB  
**Sample Taken By:** J. Ladner  
**Sample Collected On:** 9/12/06  
**Splits?** Yes

**County:** Okaloosa  
**Latitude:** 30° 22' 53.92"  
**Longitude:** 86° 24' 53.27"  
**Datum:** NAD 83  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

|                       |              |
|-----------------------|--------------|
| Total Sample Weight   | 75.523 grams |
| Total Fines in Sample | 0.017 grams  |
| Total Percent Fines   | 0.02 %       |

**Dry Sieving Summary**

|                        |              |
|------------------------|--------------|
| Total Sample Weight    | 75.450 grams |
| Total Digested Weight  | 75.382 grams |
| Total Carbonate Weight | 0.068 grams  |
| Total Silica %         | 99.91 %      |
| Total Carbonate %      | 0.09 %       |
| Carbonate/Silica Ratio | 0.001        |

**General Comments:**

Not enough Carbonate Material to run a Post-Digestion Analysis

**Description**

Worked By: M. Lachance

# Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: OA-26-MB

Total Sample Mass: 75.450 grams

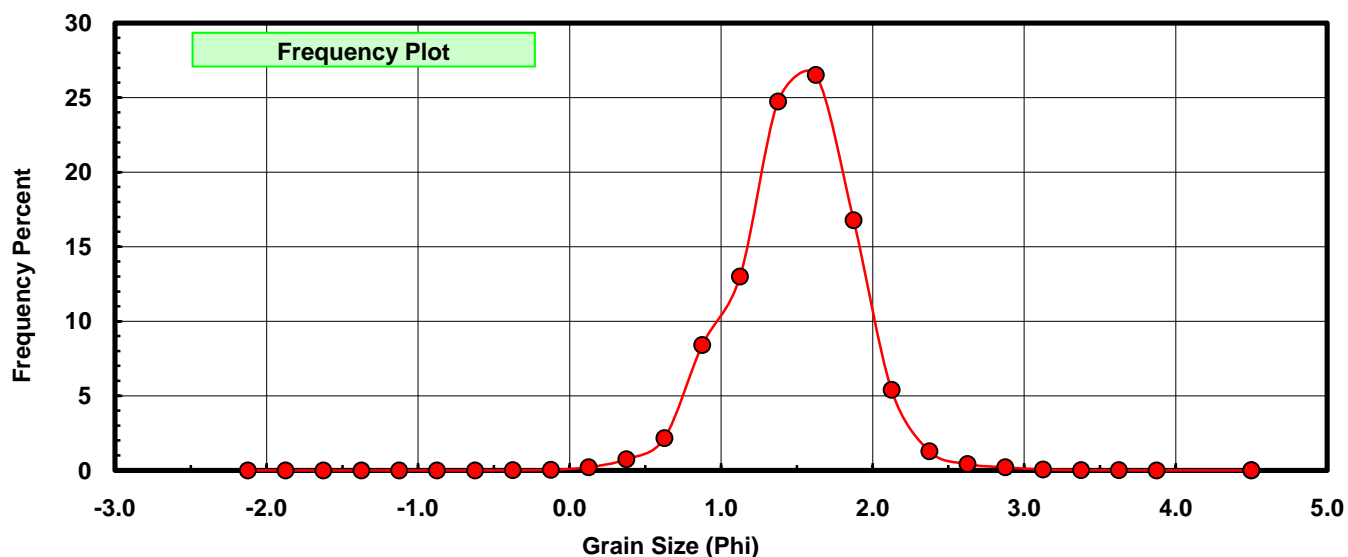
| Sieve Size (phi) | Sieve Midpt (phi) | Weight (grams) | Freq Weight % | Cumulative Weight % |
|------------------|-------------------|----------------|---------------|---------------------|
| -2.00            | -2.125            | 0.000          | 0.000         | 0.000               |
| -1.75            | -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            | 0.000          | 0.000         | 0.000               |
| -0.25            | -0.375            | 0.006          | 0.008         | 0.008               |
| 0.00             | -0.125            | 0.027          | 0.036         | 0.044               |
| 0.25             | 0.125             | 0.164          | 0.217         | 0.261               |
| 0.50             | 0.375             | 0.567          | 0.751         | 1.013               |
| 0.75             | 0.625             | 1.626          | 2.155         | 3.168               |
| 1.00             | 0.875             | 6.337          | 8.399         | 11.567              |
| 1.25             | 1.125             | 9.812          | 13.005        | 24.571              |
| 1.50             | 1.375             | 18.658         | 24.729        | 49.300              |
| 1.75             | 1.625             | 20.009         | 26.520        | 75.820              |
| 2.00             | 1.875             | 12.653         | 16.770        | 92.590              |
| 2.25             | 2.125             | 4.071          | 5.396         | 97.985              |
| 2.50             | 2.375             | 0.970          | 1.286         | 99.271              |
| 2.75             | 2.625             | 0.324          | 0.429         | 99.700              |
| 3.00             | 2.875             | 0.156          | 0.207         | 99.907              |
| 3.25             | 3.125             | 0.048          | 0.064         | 99.971              |
| 3.50             | 3.375             | 0.013          | 0.017         | 99.988              |
| 3.75             | 3.625             | 0.003          | 0.004         | 99.992              |
| 4.00             | 3.875             | 0.002          | 0.003         | 99.995              |
| 5.00             | 4.500             | 0.000          | 0.000         | 99.995              |
| 5.00             | 4.500             | 0.004          | 0.005         | 100.000             |

| Statistical Results |         |               |             |
|---------------------|---------|---------------|-------------|
| Mean:               | 1.4871  | phi           | (0.3567 mm) |
| Standard Dev:       | 0.3992  | phi-units     | (0.7583 mm) |
| Skewness:           | -0.0949 | dimensionless |             |
| Kurtosis:           | 3.8656  | dimensionless |             |
| 5th Moment:         | 1.4782  | dimensionless |             |
| 6th Moment:         | 38.6600 | dimensionless |             |
| RARD *              | 0.2684  | dimensionless |             |
| Median              | 1.3816  | phi           | (0.3838 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)      |



# OA-26-MB

