

Onshore Grab Sample

Sample: BY-34
Sample Taken By: D. Phelps
Sample Collected On: 1/31/11
Splits? N/A

County: Bay
Latitude: 30° 0' 52.1" N
Longitude: 85° 33' 24.5" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

| | |
|-----------------------|--------------|
| Total Sample Weight | 57.179 grams |
| Total Fines in Sample | 0.041 grams |
| Total Percent Fines | 0.07 % |

Dry Sieving Summary

| | |
|------------------------|--------------|
| Total Sample Weight | 57.079 grams |
| Total Digested Weight | 57.092 grams |
| Total Carbonate Weight | -0.013 grams |
| Total Silica % | 100.02 % |
| Total Carbonate % | -0.02 % |
| Carbonate/Silica Ratio | 0.000 |

General Comments:

Not Enough Carbonate Material to do Post-Digestion Analysis

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: BY-34

Total Sample Mass: 57.079 grams

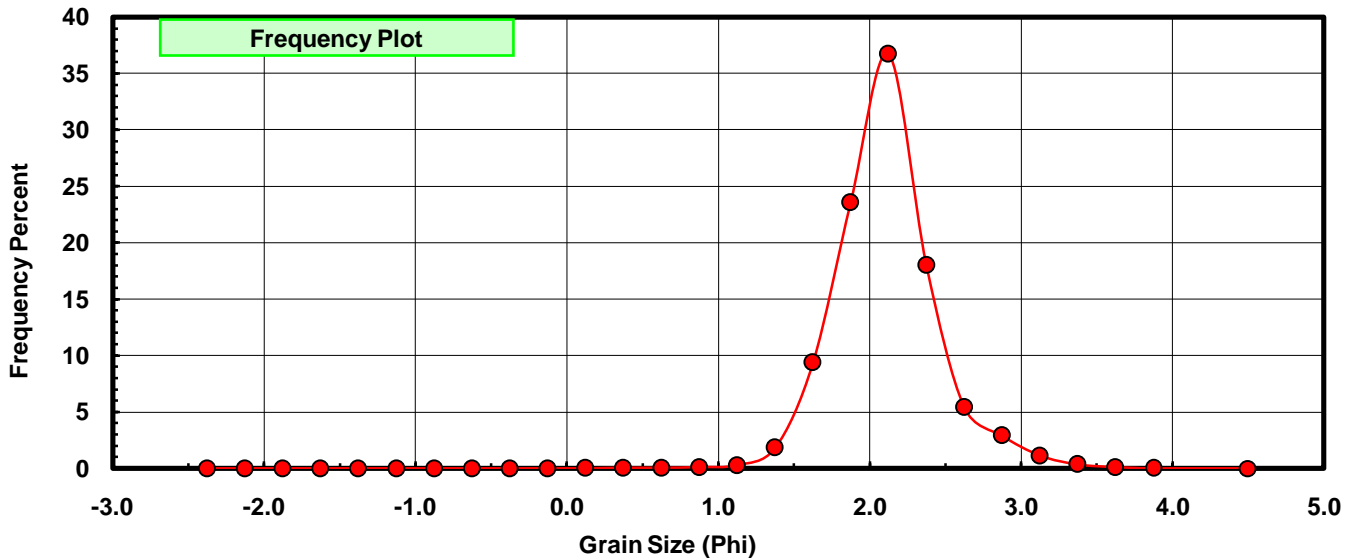
| Sieve Size (phi) | Sieve Midpt (phi) | Weight (grams) | Freq Weight % | Cumulative Weight % |
|------------------|-------------------|----------------|---------------|---------------------|
| -2.25 | -2.375 | 0.000 | 0.000 | 0.000 |
| -2.00 | -2.125 | 0.000 | 0.000 | 0.000 |
| -1.75 | -1.875 | 0.000 | 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 | 0.000 | 0.000 | 0.000 |
| 0.00 | -0.125 | 0.000 | 0.000 | 0.000 |
| 0.25 | 0.125 | 0.014 | 0.025 | 0.025 |
| 0.50 | 0.375 | 0.020 | 0.035 | 0.060 |
| 0.75 | 0.625 | 0.031 | 0.054 | 0.114 |
| 1.00 | 0.875 | 0.056 | 0.098 | 0.212 |
| 1.25 | 1.125 | 0.154 | 0.270 | 0.482 |
| 1.50 | 1.375 | 1.052 | 1.843 | 2.325 |
| 1.75 | 1.625 | 5.358 | 9.387 | 11.712 |
| 2.00 | 1.875 | 13.462 | 23.585 | 35.297 |
| 2.25 | 2.125 | 20.964 | 36.728 | 72.025 |
| 2.50 | 2.375 | 10.283 | 18.015 | 90.040 |
| 2.75 | 2.625 | 3.109 | 5.447 | 95.487 |
| 3.00 | 2.875 | 1.668 | 2.922 | 98.409 |
| 3.25 | 3.125 | 0.639 | 1.120 | 99.529 |
| 3.50 | 3.375 | 0.202 | 0.354 | 99.883 |
| 3.75 | 3.625 | 0.064 | 0.112 | 99.995 |
| 4.00 | 3.875 | 0.002 | 0.004 | 99.998 |
| 5.00 | 4.50 | 0.001 | 0.002 | 100.000 |

| Statistical Results | | | |
|---------------------|---------|---------------|-------------|
| Mean: | 2.1110 | phi | (0.2315 mm) |
| Standard Dev: | 0.3446 | phi-units | (0.7875 mm) |
| Skewness: | 0.3900 | dimensionless | |
| Kurtosis: | 4.9212 | dimensionless | |
| 5th Moment: | 3.1431 | dimensionless | |
| 6th Moment: | 55.9190 | dimensionless | |
| RARD * | 0.1632 | dimensionless | |
| Median | 1.9751 | phi | (0.2544 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) |



BY-34

