

**Onshore Grab Sample**

**Sample:** BY-43-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 1/11/11  
**Splits?** N/A

**County:** Bay  
**Latitude:** 29° 57' 7.1" N  
**Longitude:** 85° 26' 21" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 66.323 grams  
Total Fines in Sample 0.023 grams  
Total Percent Fines 0.03 %

**Dry Sieving Summary**

Total Sample Weight 66.269 grams  
Total Digested Weight 65.599 grams  
Total Carbonate Weight 0.670 grams  
Total Silica % 98.99 %  
Total Carbonate % 1.01 %  
Carbonate/Silica Ratio 0.010

**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-43-BB

Total Sample Mass: 66.269 grams

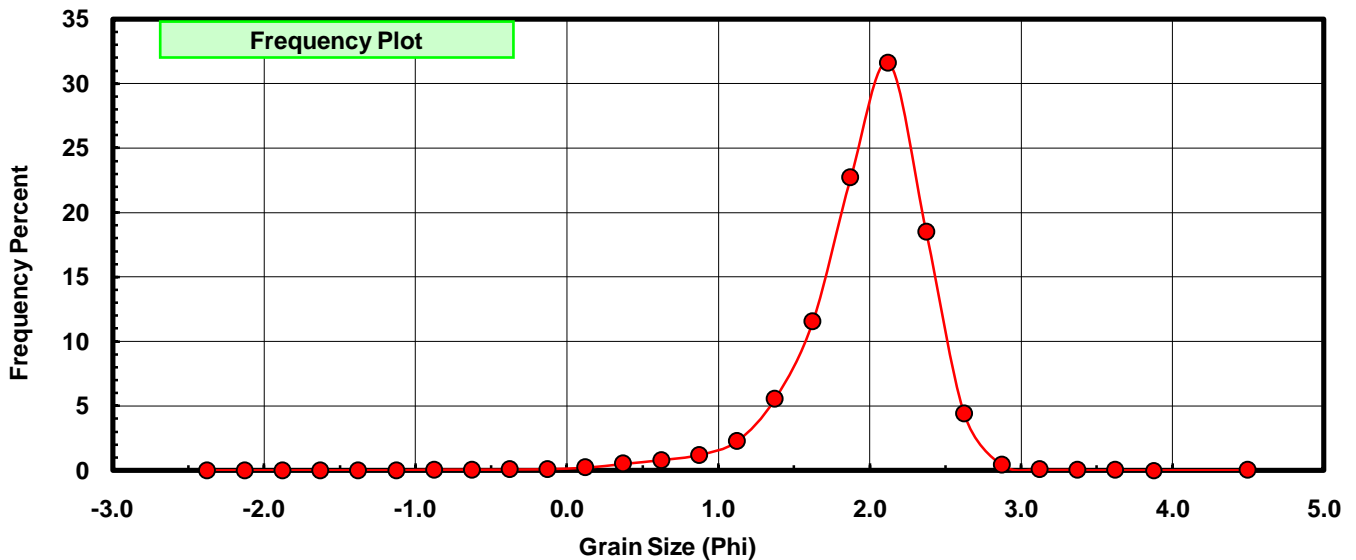
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.033	0.050	0.050
-0.50	-0.625	0.032	0.048	0.098
-0.25	-0.375	0.042	0.063	0.161
0.00	-0.125	0.055	0.083	0.244
0.25	0.125	0.149	0.225	0.469
0.50	0.375	0.334	0.504	0.973
0.75	0.625	0.525	0.792	1.766
1.00	0.875	0.784	1.183	2.949
1.25	1.125	1.498	2.260	5.209
1.50	1.375	3.673	5.543	10.752
1.75	1.625	7.663	11.563	22.315
2.00	1.875	15.038	22.692	45.007
2.25	2.125	20.952	31.617	76.624
2.50	2.375	12.240	18.470	95.094
2.75	2.625	2.921	4.408	99.502
3.00	2.875	0.271	0.409	99.911
3.25	3.125	0.035	0.053	99.964
3.50	3.375	0.015	0.023	99.986
3.75	3.625	0.006	0.009	99.995
4.00	3.875	0.001	0.002	99.997
5.00	4.50	0.002	0.003	100.000

Statistical Results			
Mean:	1.9723	phi	(0.2548 mm)
Standard Dev:	0.4236	phi-units	(0.7455 mm)
Skewness:	-1.4058	dimensionless	
Kurtosis:	7.3231	dimensionless	
5th Moment:	-28.4228	dimensionless	
6th Moment:	151.4372	dimensionless	
RARD *	0.2148	dimensionless	
Median	1.9145	phi	(0.2653 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)



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