

**Onshore Grab Sample**

**Sample:** BY-41-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 1/11/11  
**Splits?** N/A

**County:** Bay  
**Latitude:** 29° 57' 26.1" N  
**Longitude:** 85° 28' 11.4" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	51.761 grams
Total Fines in Sample	0.009 grams
Total Percent Fines	0.02 %

**Dry Sieving Summary**

Total Sample Weight	51.794 grams
Total Digested Weight	51.665 grams
Total Carbonate Weight	0.129 grams
Total Silica %	99.75 %
Total Carbonate %	0.25 %
Carbonate/Silica Ratio	0.002

**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-41-BB

Total Sample Mass: 51.794 grams

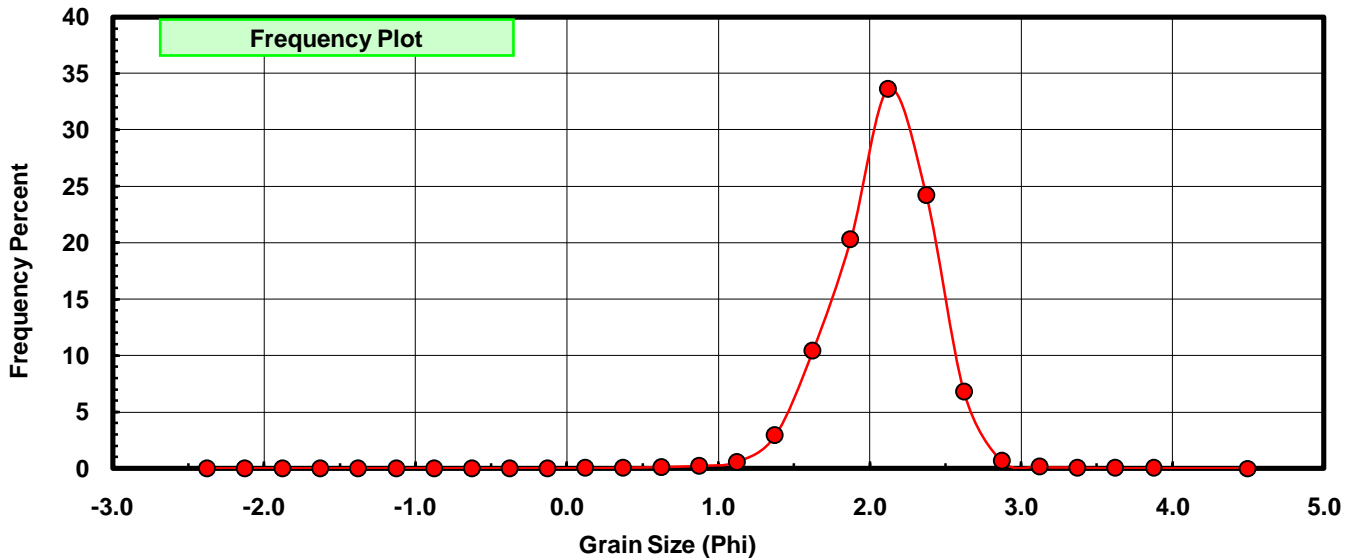
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.011	0.021	0.021
0.50	0.375	0.017	0.033	0.054
0.75	0.625	0.051	0.098	0.153
1.00	0.875	0.110	0.212	0.365
1.25	1.125	0.289	0.558	0.923
1.50	1.375	1.506	2.908	3.831
1.75	1.625	5.401	10.428	14.258
2.00	1.875	10.505	20.282	34.541
2.25	2.125	17.424	33.641	68.182
2.50	2.375	12.535	24.202	92.383
2.75	2.625	3.509	6.775	99.158
3.00	2.875	0.327	0.631	99.790
3.25	3.125	0.067	0.129	99.919
3.50	3.375	0.027	0.052	99.971
3.75	3.625	0.010	0.019	99.990
4.00	3.875	0.004	0.008	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	2.0912	phi	(0.2347 mm)
Standard Dev:	0.3279	phi-units	(0.7967 mm)
Skewness:	-0.4539	dimensionless	
Kurtosis:	4.2304	dimensionless	
5th Moment:	-6.1403	dimensionless	
6th Moment:	51.4656	dimensionless	
RARD *	0.1568	dimensionless	
Median	1.9899	phi	(0.2518 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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