

**Onshore Grab Sample**

**Sample:** BY-26-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 1/31/11  
**Splits?** N/A

**County:** Bay  
**Latitude:** 30° 4' 57.9" N  
**Longitude:** 85° 39' 47.1" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	74.004 grams
Total Fines in Sample	0.017 grams
Total Percent Fines	0.02 %

**Dry Sieving Summary**

Total Sample Weight	73.593 grams
Total Digested Weight	72.762 grams
Total Carbonate Weight	0.831 grams
Total Silica %	98.87 %
Total Carbonate %	1.13 %
Carbonate/Silica Ratio	0.011

**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-26-BB

Total Sample Mass: 73.593 grams

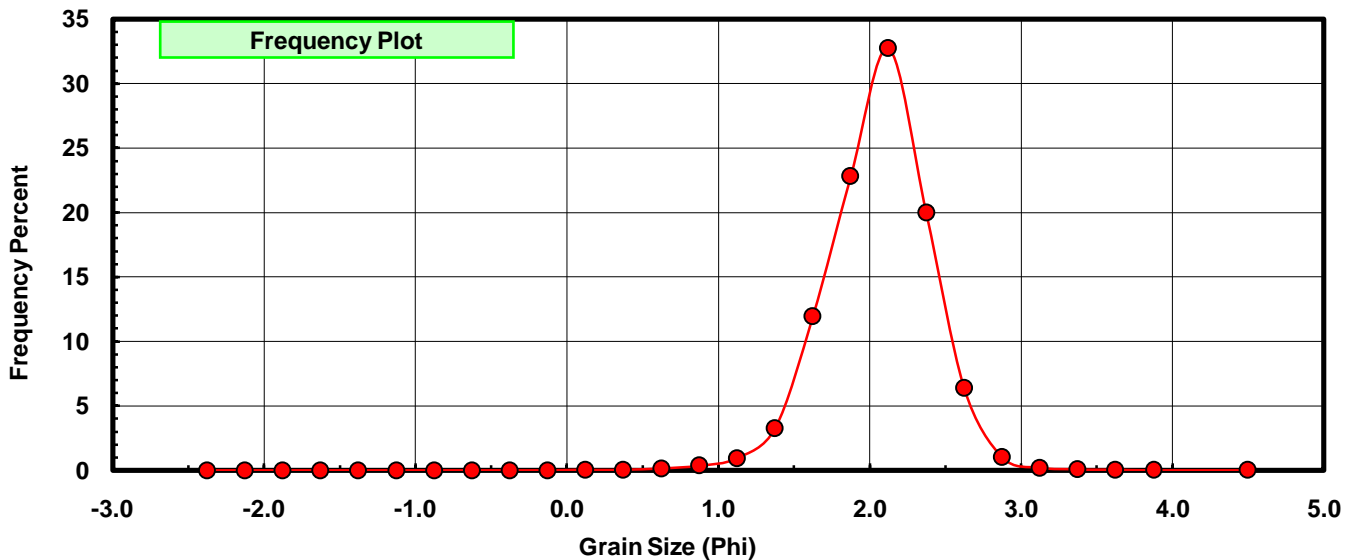
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.021	0.029	0.029
0.50	0.375	0.029	0.039	0.068
0.75	0.625	0.099	0.135	0.202
1.00	0.875	0.269	0.366	0.568
1.25	1.125	0.690	0.938	1.506
1.50	1.375	2.408	3.272	4.778
1.75	1.625	8.804	11.963	16.741
2.00	1.875	16.778	22.798	39.539
2.25	2.125	24.091	32.735	72.275
2.50	2.375	14.688	19.958	92.233
2.75	2.625	4.708	6.397	98.630
3.00	2.875	0.762	1.035	99.666
3.25	3.125	0.143	0.194	99.860
3.50	3.375	0.051	0.069	99.929
3.75	3.625	0.025	0.034	99.963
4.00	3.875	0.011	0.015	99.978
5.00	4.50	0.016	0.022	100.000

Statistical Results			
Mean:	2.0602	phi	(0.2398 mm)
Standard Dev:	0.3467	phi-units	(0.7864 mm)
Skewness:	-0.2625	dimensionless	
Kurtosis:	4.7706	dimensionless	
5th Moment:	-1.0269	dimensionless	
6th Moment:	72.5097	dimensionless	
RARD *	0.1683	dimensionless	
Median	1.9549	phi	(0.2579 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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