

**Onshore Grab Sample**

**Sample:** BY-05-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 2/15/11  
**Splits?** N/A

**County:** Bay  
**Latitude:** 30° 14' 23.3" N  
**Longitude:** 85° 55' 34.2" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	50.816 grams
Total Fines in Sample	0.018 grams
Total Percent Fines	0.04 %

**Dry Sieving Summary**

Total Sample Weight	51.105 grams
Total Digested Weight	50.141 grams
Total Carbonate Weight	0.964 grams
Total Silica %	98.11 %
Total Carbonate %	1.89 %
Carbonate/Silica Ratio	0.019

**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-05-BB

Total Sample Mass: 51.105 grams

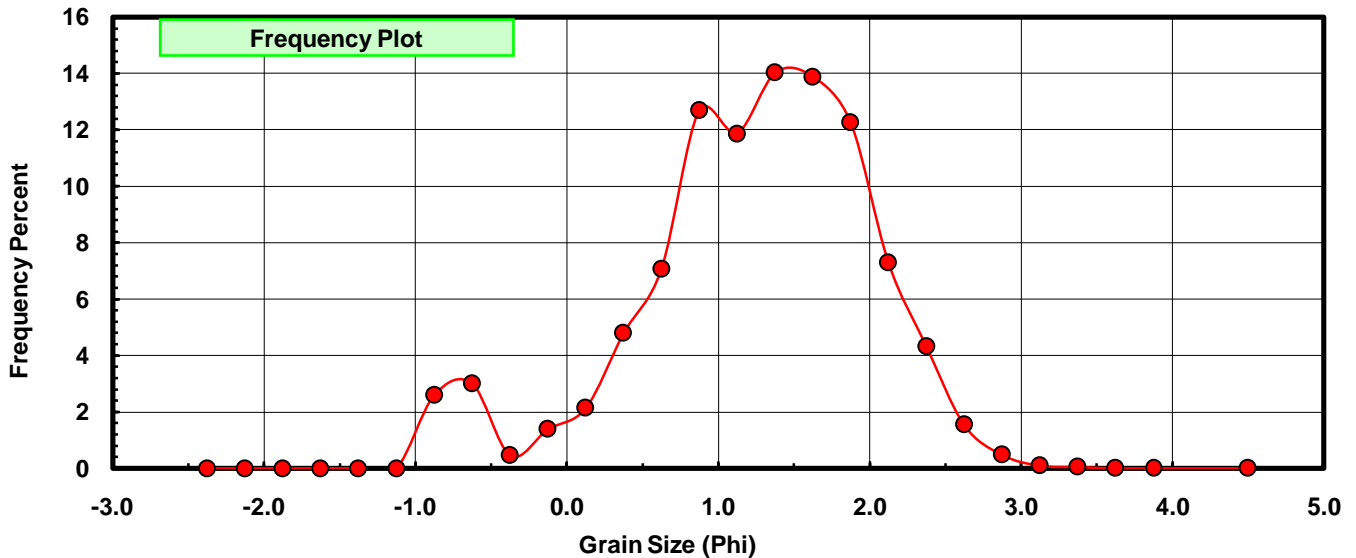
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	1.324	2.591	2.591
-0.50	-0.625	1.539	3.011	5.602
-0.25	-0.375	0.233	0.456	6.058
0.00	-0.125	0.708	1.385	7.443
0.25	0.125	1.095	2.143	9.586
0.50	0.375	2.449	4.792	14.378
0.75	0.625	3.611	7.066	21.444
1.00	0.875	6.485	12.690	34.134
1.25	1.125	6.065	11.868	46.001
1.50	1.375	7.168	14.026	60.027
1.75	1.625	7.097	13.887	73.914
2.00	1.875	6.266	12.261	86.176
2.25	2.125	3.726	7.291	93.466
2.50	2.375	2.212	4.328	97.795
2.75	2.625	0.793	1.552	99.346
3.00	2.875	0.246	0.481	99.828
3.25	3.125	0.049	0.096	99.924
3.50	3.375	0.024	0.047	99.971
3.75	3.625	0.006	0.012	99.982
4.00	3.875	0.004	0.008	99.990
5.00	4.50	0.005	0.010	100.000

Statistical Results			
Mean:	1.2309	phi	(0.4261 mm)
Standard Dev:	0.7835	phi-units	(0.581 mm)
Skewness:	-0.6973	dimensionless	
Kurtosis:	3.5013	dimensionless	
5th Moment:	-5.2885	dimensionless	
6th Moment:	19.0816	dimensionless	
RARD *	0.6365	dimensionless	
Median	1.1963	phi	(0.4364 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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