

## **Onshore Grab Sample**

**Sample:** BY-19-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 2/14/11  
**Splits?** N/A

**County:** Bay  
**Latitude:** 30° 7' 58" N  
**Longitude:** 85° 44' 42.8" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

### **Fine Data Summary**

Total Sample Weight	58.553 grams
Total Fines in Sample	0.005 grams
Total Percent Fines	0.01 %

### **Dry Sieving Summary**

Total Sample Weight	58.756 grams
Total Digested Weight	58.518 grams
Total Carbonate Weight	0.238 grams
Total Silica %	99.59 %
Total Carbonate %	0.41 %
Carbonate/Silica Ratio	0.004

### **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-19-BB

Total Sample Mass: 58.756 grams

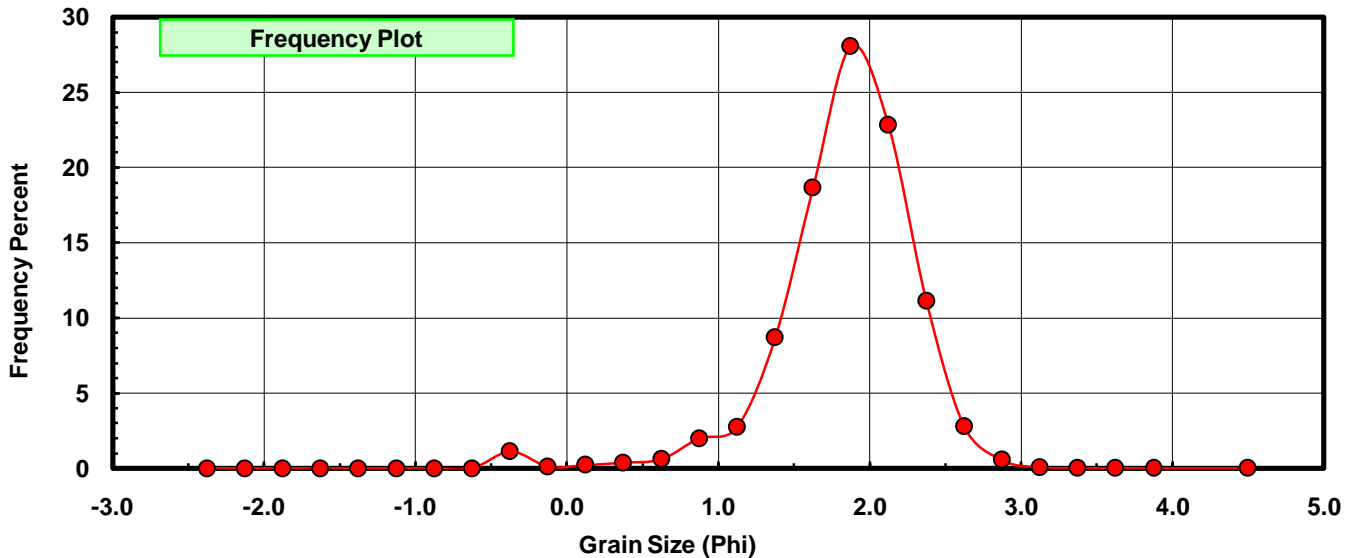
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.663	1.128	1.128
0.00	-0.125	0.067	0.114	1.242
0.25	0.125	0.135	0.230	1.472
0.50	0.375	0.217	0.369	1.842
0.75	0.625	0.353	0.601	2.442
1.00	0.875	1.166	1.984	4.427
1.25	1.125	1.610	2.740	7.167
1.50	1.375	5.113	8.702	15.869
1.75	1.625	10.956	18.647	34.516
2.00	1.875	16.476	28.041	62.557
2.25	2.125	13.402	22.810	85.367
2.50	2.375	6.548	11.144	96.511
2.75	2.625	1.647	2.803	99.314
3.00	2.875	0.328	0.558	99.872
3.25	3.125	0.034	0.058	99.930
3.50	3.375	0.012	0.020	99.951
3.75	3.625	0.013	0.022	99.973
4.00	3.875	0.011	0.019	99.991
5.00	4.50	0.005	0.009	100.000

Statistical Results			
Mean:	1.8411	phi	(0.2791 mm)
Standard Dev:	0.4739	phi-units	(0.72 mm)
Skewness:	-1.4902	dimensionless	
Kurtosis:	8.2325	dimensionless	
5th Moment:	-29.3588	dimensionless	
6th Moment:	144.5286	dimensionless	
RARD *	0.2574	dimensionless	
Median	1.7630	phi	(0.2946 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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