

## **Onshore Grab Sample**

**Sample:** BY-39  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 1/11/11  
**Splits?** N/A

**County:** Bay  
**Latitude:** 29° 58' 0.3" N  
**Longitude:** 85° 29' 58.8" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

### **Fine Data Summary**

Total Sample Weight	71.675 grams
Total Fines in Sample	0.481 grams
Total Percent Fines	0.67 %

### **Dry Sieving Summary**

Total Sample Weight	70.794 grams
Total Digested Weight	70.080 grams
Total Carbonate Weight	0.714 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-39

Total Sample Mass: 70.794 grams

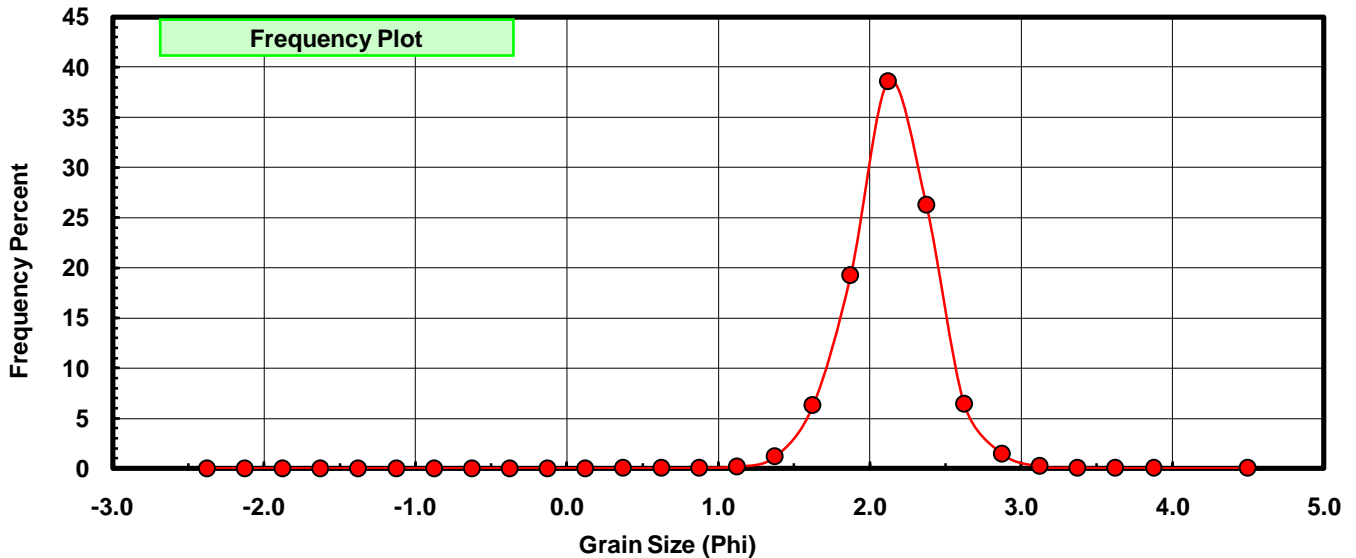
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.000	0.000	0.000
0.50	0.375	0.021	0.030	0.030
0.75	0.625	0.013	0.018	0.048
1.00	0.875	0.023	0.032	0.081
1.25	1.125	0.121	0.171	0.251
1.50	1.375	0.833	1.177	1.428
1.75	1.625	4.443	6.276	7.704
2.00	1.875	13.640	19.267	26.971
2.25	2.125	27.322	38.594	65.565
2.50	2.375	18.601	26.275	91.840
2.75	2.625	4.544	6.419	98.258
3.00	2.875	1.029	1.454	99.712
3.25	3.125	0.139	0.196	99.908
3.50	3.375	0.044	0.062	99.970
3.75	3.625	0.014	0.020	99.990
4.00	3.875	0.004	0.006	99.996
5.00	4.50	0.003	0.004	100.000

Statistical Results			
Mean:	2.1456	phi	(0.226 mm)
Standard Dev:	0.2882	phi-units	(0.8189 mm)
Skewness:	-0.1049	dimensionless	
Kurtosis:	4.4983	dimensionless	
5th Moment:	-0.9468	dimensionless	
6th Moment:	64.0243	dimensionless	
RARD *	0.1343	dimensionless	
Median	2.0242	phi	(0.2458 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)



# BY-39

