

**Onshore Grab Sample**

**Sample:** BY-42-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 1/11/11  
**Splits?** N/A

**County:** Bay  
**Latitude:** 29° 57' 22.9" N  
**Longitude:** 85° 27' 15.4" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	49.383 grams
Total Fines in Sample	0.005 grams
Total Percent Fines	0.01 %

**Dry Sieving Summary**

Total Sample Weight	49.446 grams
Total Digested Weight	48.977 grams
Total Carbonate Weight	0.469 grams
Total Silica %	99.05 %
Total Carbonate %	0.95 %
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-42-BB

Total Sample Mass: 49.446 grams

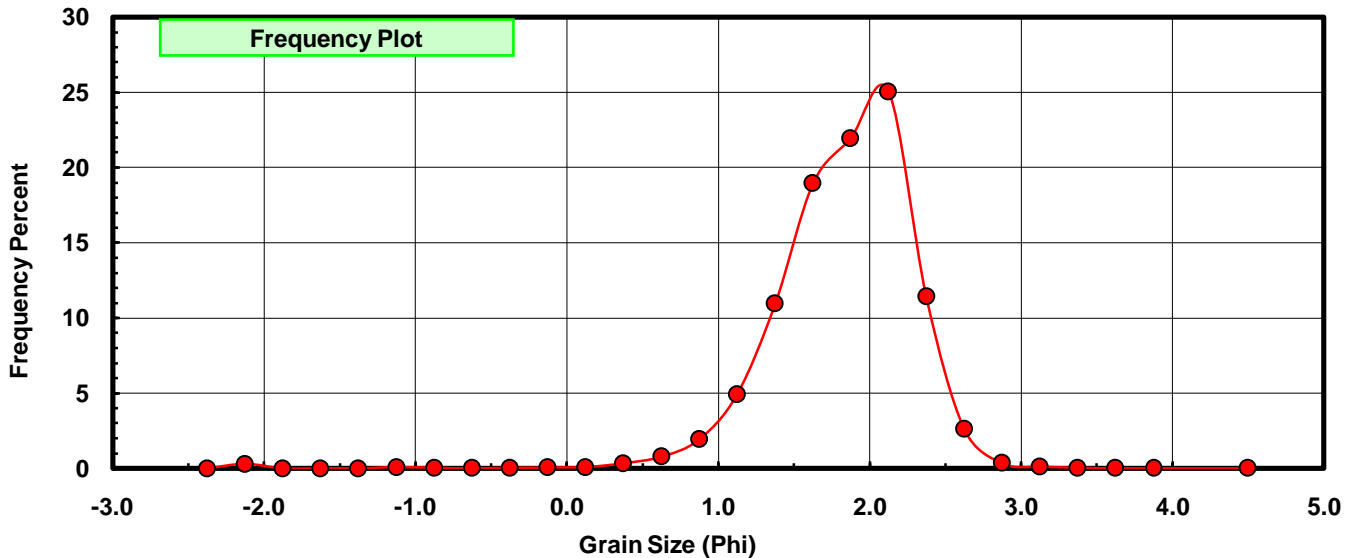
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.139	0.281	0.281
-1.75	-1.875	0.000	0.000	0.281
-1.50	-1.625	0.000	0.000	0.281
-1.25	-1.375	0.000	0.000	0.281
-1.00	-1.125	0.038	0.077	0.358
-0.75	-0.875	0.015	0.030	0.388
-0.50	-0.625	0.006	0.012	0.400
-0.25	-0.375	0.018	0.036	0.437
0.00	-0.125	0.027	0.055	0.491
0.25	0.125	0.037	0.075	0.566
0.50	0.375	0.162	0.328	0.894
0.75	0.625	0.386	0.781	1.675
1.00	0.875	0.958	1.937	3.612
1.25	1.125	2.429	4.912	8.524
1.50	1.375	5.410	10.941	19.466
1.75	1.625	9.367	18.944	38.410
2.00	1.875	10.852	21.947	60.357
2.25	2.125	12.390	25.058	85.414
2.50	2.375	5.649	11.425	96.839
2.75	2.625	1.298	2.625	99.464
3.00	2.875	0.175	0.354	99.818
3.25	3.125	0.057	0.115	99.933
3.50	3.375	0.020	0.040	99.974
3.75	3.625	0.009	0.018	99.992
4.00	3.875	0.003	0.006	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.8297	phi	(0.2813 mm)
Standard Dev:	0.4857	phi-units	(0.7141 mm)
Skewness:	-2.0899	dimensionless	
Kurtosis:	16.3242	dimensionless	
5th Moment:	-114.1759	dimensionless	
6th Moment:	903.1118	dimensionless	
RARD *	0.2655	dimensionless	
Median	1.7570	phi	(0.2959 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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