

Onshore Grab Sample

Sample: BY-22-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/31/11
Splits? N/A

County: Bay
Latitude: 30° 6' 34.9" N
Longitude: 85° 42' 56.0" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	43.724 grams
Total Fines in Sample	0.013 grams
Total Percent Fines	0.03 %

Dry Sieving Summary

Total Sample Weight	43.481 grams
Total Digested Weight	43.428 grams
Total Carbonate Weight	0.053 grams
Total Silica %	99.88 %
Total Carbonate %	0.12 %
Carbonate/Silica Ratio	0.001

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-22-BB

Total Sample Mass: 43.481 grams

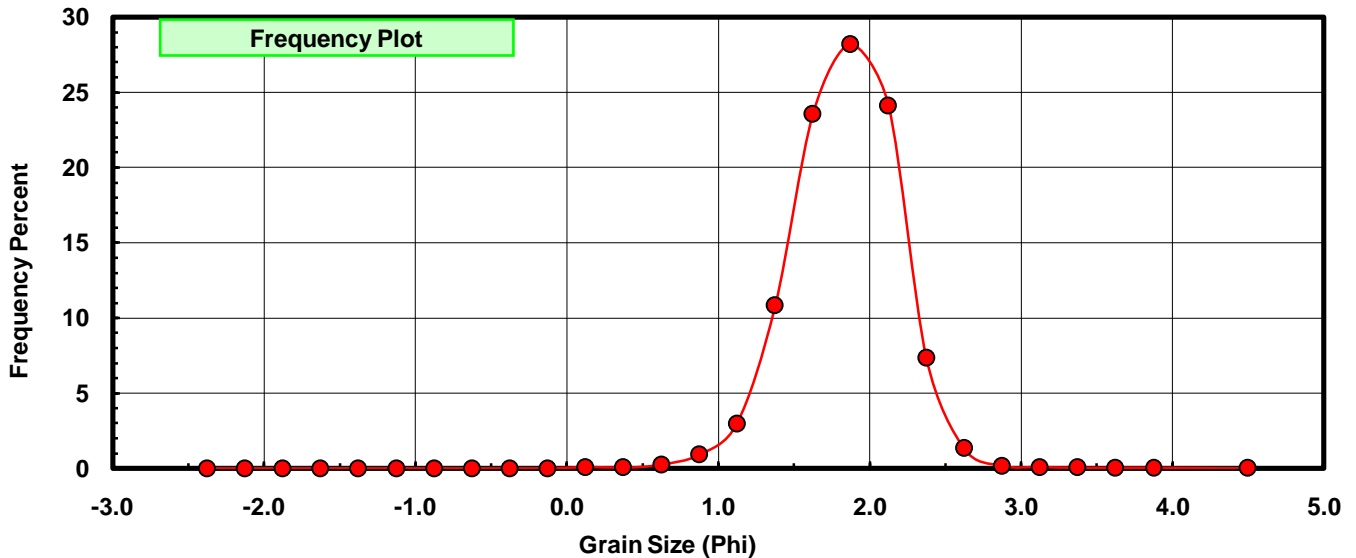
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.037	0.085	0.085
0.50	0.375	0.025	0.057	0.143
0.75	0.625	0.105	0.241	0.384
1.00	0.875	0.393	0.904	1.288
1.25	1.125	1.287	2.960	4.248
1.50	1.375	4.709	10.830	15.078
1.75	1.625	10.244	23.560	38.638
2.00	1.875	12.260	28.196	66.834
2.25	2.125	10.488	24.121	90.955
2.50	2.375	3.198	7.355	98.310
2.75	2.625	0.575	1.322	99.632
3.00	2.875	0.071	0.163	99.795
3.25	3.125	0.034	0.078	99.874
3.50	3.375	0.021	0.048	99.922
3.75	3.625	0.014	0.032	99.954
4.00	3.875	0.015	0.034	99.989
5.00	4.50	0.005	0.011	100.000

Statistical Results			
Mean:	1.8372	phi	(0.2799 mm)
Standard Dev:	0.3530	phi-units	(0.783 mm)
Skewness:	-0.1447	dimensionless	
Kurtosis:	4.6549	dimensionless	
5th Moment:	2.2646	dimensionless	
6th Moment:	74.1348	dimensionless	
RARD *	0.1921	dimensionless	
Median	1.7257	phi	(0.3023 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-22-BB

