

Onshore Grab Sample

Sample: BY-16-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/14/11
Splits? N/A

County: Bay
Latitude: 30° 9' 33.9" N
Longitude: 85° 46' 50.9" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	45.203 grams
Total Fines in Sample	0.022 grams
Total Percent Fines	0.05 %

Dry Sieving Summary

Total Sample Weight	44.789 grams
Total Digested Weight	44.741 grams
Total Carbonate Weight	0.048 grams
Total Silica %	99.89 %
Total Carbonate %	0.11 %
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

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Total Sample Mass: 44.789 grams

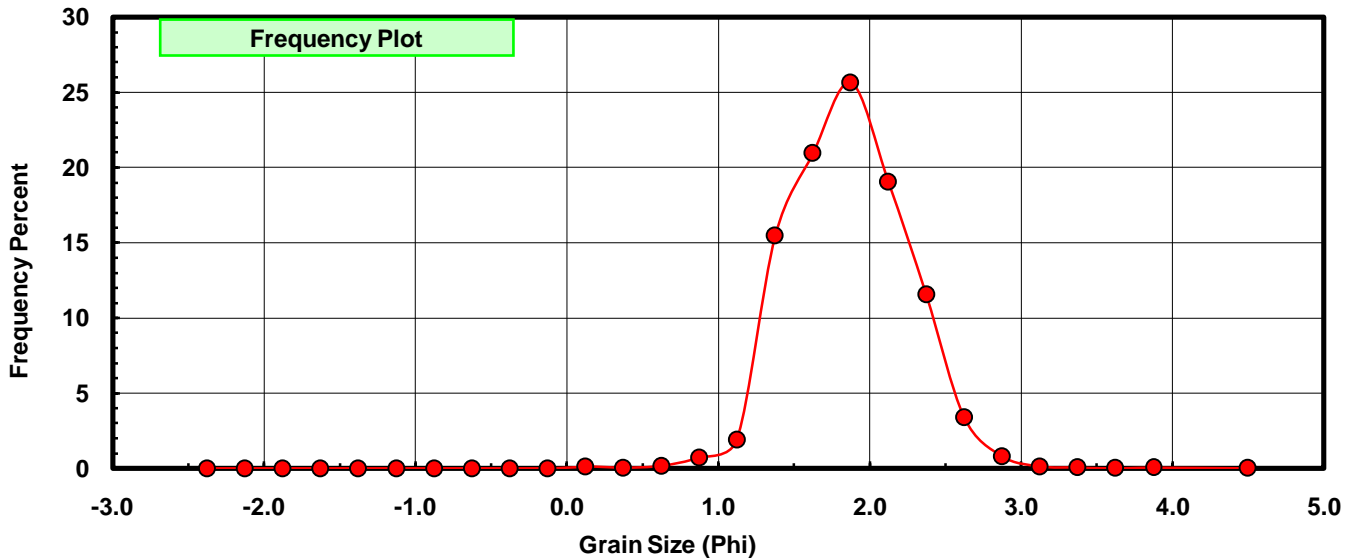
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.046	0.103	0.103
0.50	0.375	0.018	0.040	0.143
0.75	0.625	0.076	0.170	0.313
1.00	0.875	0.321	0.717	1.029
1.25	1.125	0.857	1.913	2.943
1.50	1.375	6.925	15.461	18.404
1.75	1.625	9.381	20.945	39.349
2.00	1.875	11.489	25.651	65.000
2.25	2.125	8.523	19.029	84.030
2.50	2.375	5.168	11.539	95.568
2.75	2.625	1.516	3.385	98.953
3.00	2.875	0.357	0.797	99.750
3.25	3.125	0.053	0.118	99.868
3.50	3.375	0.023	0.051	99.920
3.75	3.625	0.010	0.022	99.942
4.00	3.875	0.021	0.047	99.989
5.00	4.50	0.005	0.011	100.000

Statistical Results			
Mean:	1.8618	phi	(0.2751 mm)
Standard Dev:	0.3921	phi-units	(0.762 mm)
Skewness:	0.1460	dimensionless	
Kurtosis:	3.7588	dimensionless	
5th Moment:	2.6258	dimensionless	
6th Moment:	43.4818	dimensionless	
RARD *	0.2106	dimensionless	
Median	1.7288	phi	(0.3017 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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