

Onshore Grab Sample

Sample: BY-13-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/14/11
Splits? N/A

County: Bay
Latitude: 30° 10' 59.8" N
Longitude: 85° 49' 9.6" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	51.461 grams
Total Fines in Sample	0.032 grams
Total Percent Fines	0.06 %

Dry Sieving Summary

Total Sample Weight	51.228 grams
Total Digested Weight	51.087 grams
Total Carbonate Weight	0.141 grams
Total Silica %	99.72 %
Total Carbonate %	0.28 %
Carbonate/Silica Ratio	0.003

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: 51.228 grams

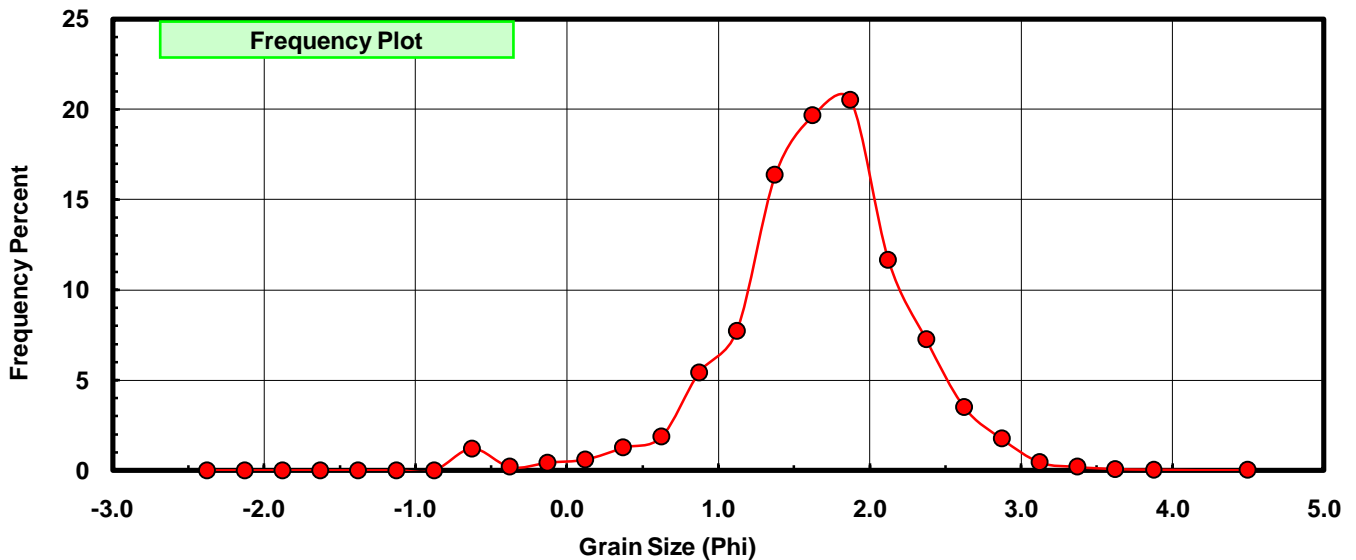
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.615	1.201	1.201
-0.25	-0.375	0.092	0.180	1.380
0.00	-0.125	0.218	0.426	1.806
0.25	0.125	0.303	0.591	2.397
0.50	0.375	0.645	1.259	3.656
0.75	0.625	0.952	1.858	5.515
1.00	0.875	2.771	5.409	10.924
1.25	1.125	3.957	7.724	18.648
1.50	1.375	8.381	16.360	35.008
1.75	1.625	10.065	19.647	54.656
2.00	1.875	10.503	20.502	75.158
2.25	2.125	5.967	11.648	86.806
2.50	2.375	3.709	7.240	94.046
2.75	2.625	1.790	3.494	97.540
3.00	2.875	0.895	1.747	99.287
3.25	3.125	0.221	0.431	99.719
3.50	3.375	0.094	0.183	99.902
3.75	3.625	0.032	0.062	99.965
4.00	3.875	0.011	0.021	99.986
5.00	4.50	0.007	0.014	100.000

Statistical Results			
Mean:	1.6560	phi	(0.3173 mm)
Standard Dev:	0.6030	phi-units	(0.6584 mm)
Skewness:	-0.7111	dimensionless	
Kurtosis:	5.1502	dimensionless	
5th Moment:	-10.3357	dimensionless	
6th Moment:	51.8528	dimensionless	
RARD *	0.3641	dimensionless	
Median	1.5658	phi	(0.3378 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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