

Onshore Grab Sample

Sample: BY-23-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/31/11
Splits? N/A

County: Bay
Latitude: 30° 6' 7.7" N
Longitude: 85° 42' 13.3" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	55.306 grams
Total Fines in Sample	0.026 grams
Total Percent Fines	0.05 %

Dry Sieving Summary

Total Sample Weight	54.949 grams
Total Digested Weight	54.501 grams
Total Carbonate Weight	0.448 grams
Total Silica %	99.18 %
Total Carbonate %	0.82 %
Carbonate/Silica Ratio	0.008

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: 54.949 grams

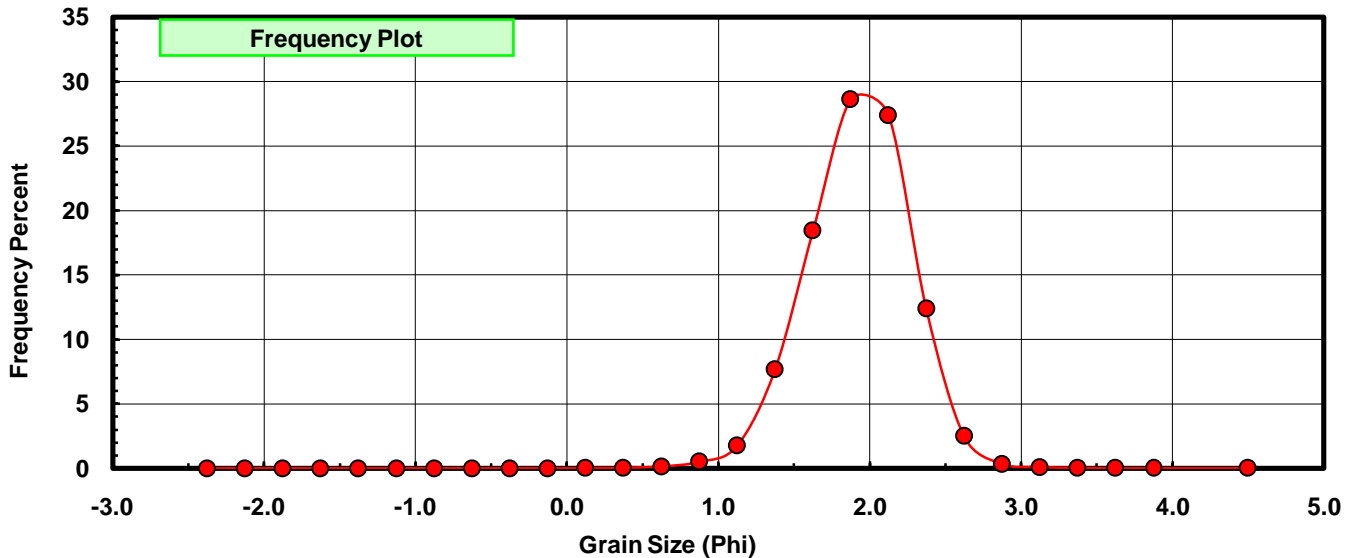
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.014	0.025	0.025
0.50	0.375	0.021	0.038	0.064
0.75	0.625	0.080	0.146	0.209
1.00	0.875	0.279	0.508	0.717
1.25	1.125	0.956	1.740	2.457
1.50	1.375	4.227	7.693	10.149
1.75	1.625	10.128	18.432	28.581
2.00	1.875	15.734	28.634	57.215
2.25	2.125	15.052	27.393	84.608
2.50	2.375	6.806	12.386	96.994
2.75	2.625	1.369	2.491	99.485
3.00	2.875	0.186	0.338	99.823
3.25	3.125	0.051	0.093	99.916
3.50	3.375	0.021	0.038	99.955
3.75	3.625	0.012	0.022	99.976
4.00	3.875	0.008	0.015	99.991
5.00	4.50	0.005	0.009	100.000

Statistical Results			
Mean:	1.9246	phi	(0.2634 mm)
Standard Dev:	0.3448	phi-units	(0.7874 mm)
Skewness:	-0.1781	dimensionless	
Kurtosis:	4.0818	dimensionless	
5th Moment:	0.2953	dimensionless	
6th Moment:	52.8413	dimensionless	
RARD *	0.1792	dimensionless	
Median	1.8120	phi	(0.2848 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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