

Onshore Grab Sample

Sample: BY-17-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/14/11
Splits? N/A

County: Bay
Latitude: 30° 9' 4.4" N
Longitude: 85° 46' 4.8" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	53.573 grams
Total Fines in Sample	0.013 grams
Total Percent Fines	0.02 %

Dry Sieving Summary

Total Sample Weight	53.819 grams
Total Digested Weight	53.345 grams
Total Carbonate Weight	0.474 grams
Total Silica %	99.12 %
Total Carbonate %	0.88 %
Carbonate/Silica Ratio	0.009

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: 53.819 grams

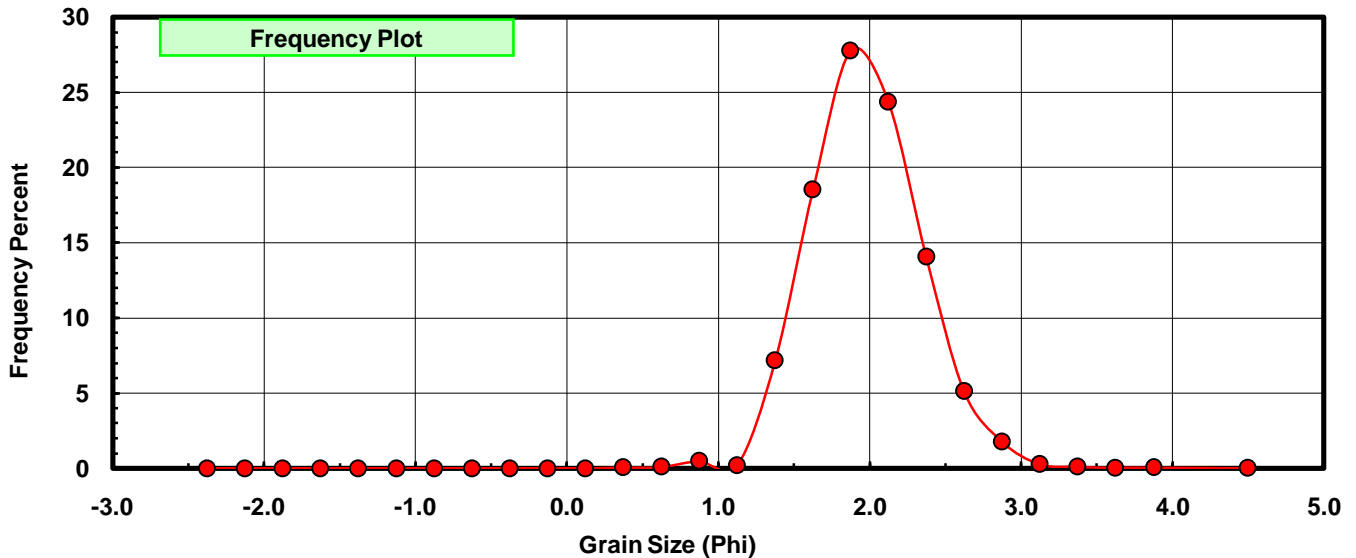
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.000	0.000	0.000
0.50	0.375	0.029	0.054	0.054
0.75	0.625	0.047	0.087	0.141
1.00	0.875	0.255	0.474	0.615
1.25	1.125	0.100	0.186	0.801
1.50	1.375	3.849	7.152	7.953
1.75	1.625	9.963	18.512	26.465
2.00	1.875	14.953	27.784	54.248
2.25	2.125	13.110	24.359	78.608
2.50	2.375	7.561	14.049	92.657
2.75	2.625	2.749	5.108	97.765
3.00	2.875	0.956	1.776	99.541
3.25	3.125	0.143	0.266	99.807
3.50	3.375	0.050	0.093	99.900
3.75	3.625	0.017	0.032	99.931
4.00	3.875	0.032	0.059	99.991
5.00	4.50	0.005	0.009	100.000

Statistical Results			
Mean:	1.9788	phi	(0.2537 mm)
Standard Dev:	0.3696	phi-units	(0.774 mm)
Skewness:	0.2695	dimensionless	
Kurtosis:	3.9718	dimensionless	
5th Moment:	4.4851	dimensionless	
6th Moment:	44.6658	dimensionless	
RARD *	0.1868	dimensionless	
Median	1.8368	phi	(0.2799 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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