

Onshore Grab Sample

Sample: BY-04-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/15/11
Splits? N/A

County: Bay
Latitude: 30° 14' 45.9" N
Longitude: 85° 56' 24.6" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 50.206 grams
Total Fines in Sample 0.011 grams
Total Percent Fines 0.02 %

Dry Sieving Summary

Total Sample Weight 49.791 grams
Total Digested Weight 49.647 grams
Total Carbonate Weight 0.144 grams
Total Silica % 99.71 %
Total Carbonate % 0.29 %
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: 49.791 grams

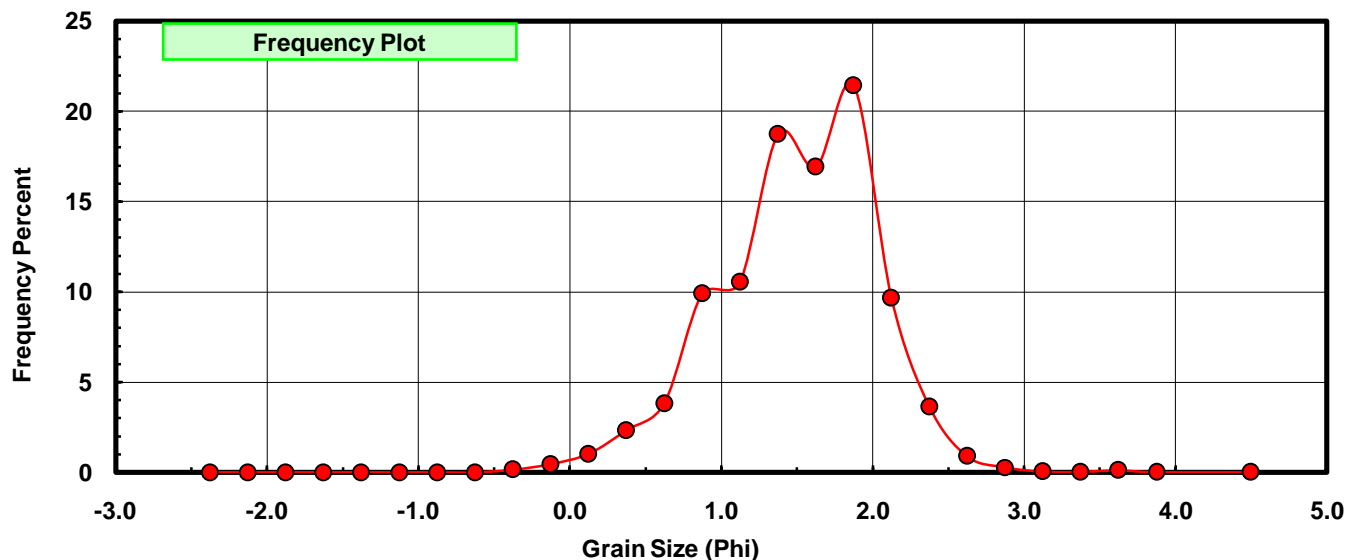
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.073	0.147	0.147
0.00	-0.125	0.224	0.450	0.596
0.25	0.125	0.505	1.014	1.611
0.50	0.375	1.161	2.332	3.942
0.75	0.625	1.902	3.820	7.762
1.00	0.875	4.927	9.895	17.658
1.25	1.125	5.252	10.548	28.206
1.50	1.375	9.337	18.752	46.958
1.75	1.625	8.423	16.917	63.875
2.00	1.875	10.670	21.430	85.305
2.25	2.125	4.809	9.658	94.963
2.50	2.375	1.816	3.647	98.610
2.75	2.625	0.447	0.898	99.508
3.00	2.875	0.142	0.285	99.793
3.25	3.125	0.027	0.054	99.847
3.50	3.375	0.011	0.022	99.869
3.75	3.625	0.057	0.114	99.984
4.00	3.875	0.007	0.014	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.5034	phi	(0.3527 mm)
Standard Dev:	0.5297	phi-units	(0.6927 mm)
Skewness:	-0.3434	dimensionless	
Kurtosis:	3.4270	dimensionless	
5th Moment:	-1.8379	dimensionless	
6th Moment:	23.6749	dimensionless	
RARD *	0.3523	dimensionless	
Median	1.4200	phi	(0.3737 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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