

Onshore Grab Sample

Sample: BY-35-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/31/11
Splits? N/A

County: Bay
Latitude: 30° 0' 12.6" N
Longitude: 85° 32' 31.1" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	61.469 grams
Total Fines in Sample	0.007 grams
Total Percent Fines	0.01 %

Dry Sieving Summary

Total Sample Weight	61.291 grams
Total Digested Weight	61.212 grams
Total Carbonate Weight	0.079 grams
Total Silica %	99.87 %
Total Carbonate %	0.13 %
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: 61.291 grams

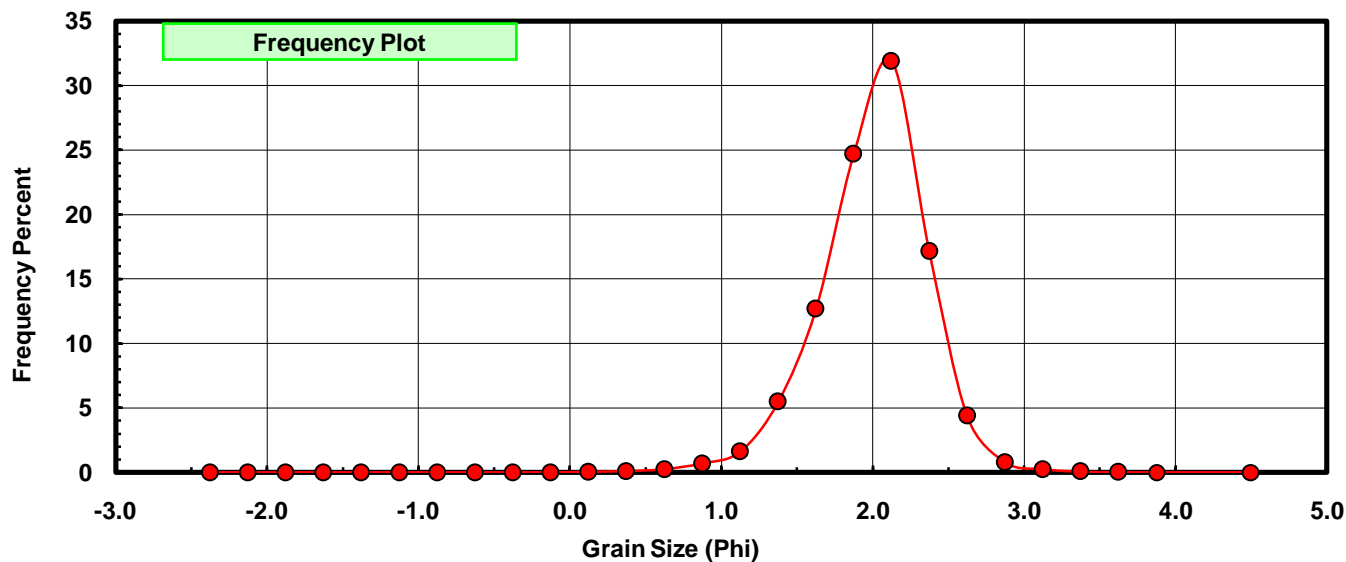
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.020	0.033	0.033
0.50	0.375	0.053	0.086	0.119
0.75	0.625	0.142	0.232	0.351
1.00	0.875	0.422	0.689	1.039
1.25	1.125	0.976	1.592	2.632
1.50	1.375	3.352	5.469	8.101
1.75	1.625	7.760	12.661	20.762
2.00	1.875	15.134	24.692	45.454
2.25	2.125	19.555	31.905	77.359
2.50	2.375	10.506	17.141	94.500
2.75	2.625	2.689	4.387	98.887
3.00	2.875	0.482	0.786	99.674
3.25	3.125	0.144	0.235	99.909
3.50	3.375	0.041	0.067	99.976
3.75	3.625	0.013	0.021	99.997
4.00	3.875	0.001	0.002	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	2.0030	phi	(0.2495 mm)
Standard Dev:	0.3620	phi-units	(0.7781 mm)
Skewness:	-0.4722	dimensionless	
Kurtosis:	4.3264	dimensionless	
5th Moment:	-5.7520	dimensionless	
6th Moment:	43.1574	dimensionless	
RARD *	0.1807	dimensionless	
Median	1.9106	phi	(0.266 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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