

Onshore Grab Sample

Sample: BY-24-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/31/11
Splits? N/A

County: Bay
Latitude: 30° 5' 40.6" N
Longitude: 85° 41' 25.6" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	45.662 grams
Total Fines in Sample	0.062 grams
Total Percent Fines	0.14 %

Dry Sieving Summary

Total Sample Weight	45.295 grams
Total Digested Weight	45.296 grams
Total Carbonate Weight	-0.001 grams
Total Silica %	100.00 %
Total Carbonate %	0.00 %
Carbonate/Silica Ratio	0.000

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: 45.295 grams

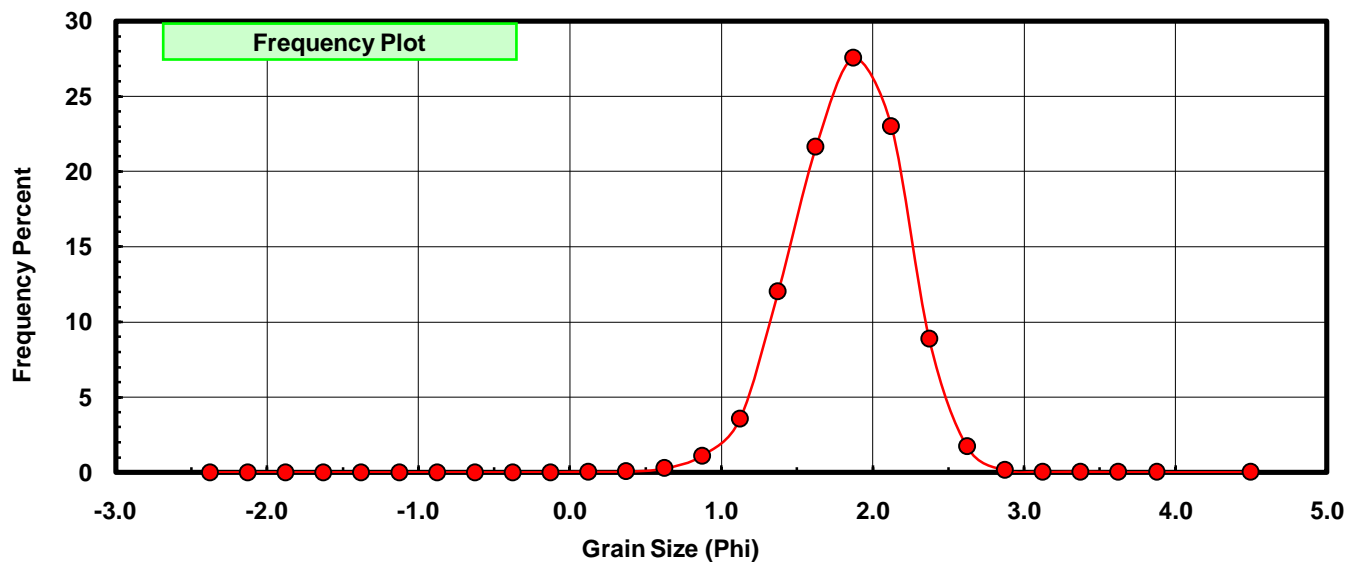
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.017	0.038	0.038
0.50	0.375	0.027	0.060	0.097
0.75	0.625	0.118	0.261	0.358
1.00	0.875	0.499	1.102	1.459
1.25	1.125	1.601	3.535	4.994
1.50	1.375	5.443	12.017	17.011
1.75	1.625	9.795	21.625	38.636
2.00	1.875	12.472	27.535	66.171
2.25	2.125	10.416	22.996	89.167
2.50	2.375	4.015	8.864	98.031
2.75	2.625	0.779	1.720	99.751
3.00	2.875	0.064	0.141	99.892
3.25	3.125	0.016	0.035	99.927
3.50	3.375	0.016	0.035	99.962
3.75	3.625	0.007	0.015	99.978
4.00	3.875	0.007	0.015	99.993
5.00	4.50	0.003	0.007	100.000

Statistical Results			
Mean:	1.8364	phi	(0.28 mm)
Standard Dev:	0.3647	phi-units	(0.7767 mm)
Skewness:	-0.2072	dimensionless	
Kurtosis:	3.6884	dimensionless	
5th Moment:	-0.2347	dimensionless	
6th Moment:	40.1167	dimensionless	
RARD *	0.1986	dimensionless	
Median	1.7282	phi	(0.3018 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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