

Onshore Grab Sample

Sample: BY-15-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/14/11
Splits? N/A

County: Bay
Latitude: 30° 10' 4.2" N
Longitude: 85° 47' 35.5" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 50.345 grams
Total Fines in Sample 0.030 grams
Total Percent Fines 0.06 %

Dry Sieving Summary

Total Sample Weight 50.047 grams
Total Digested Weight 49.893 grams
Total Carbonate Weight 0.154 grams
Total Silica % 99.69 %
Total Carbonate % 0.31 %
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: 50.047 grams

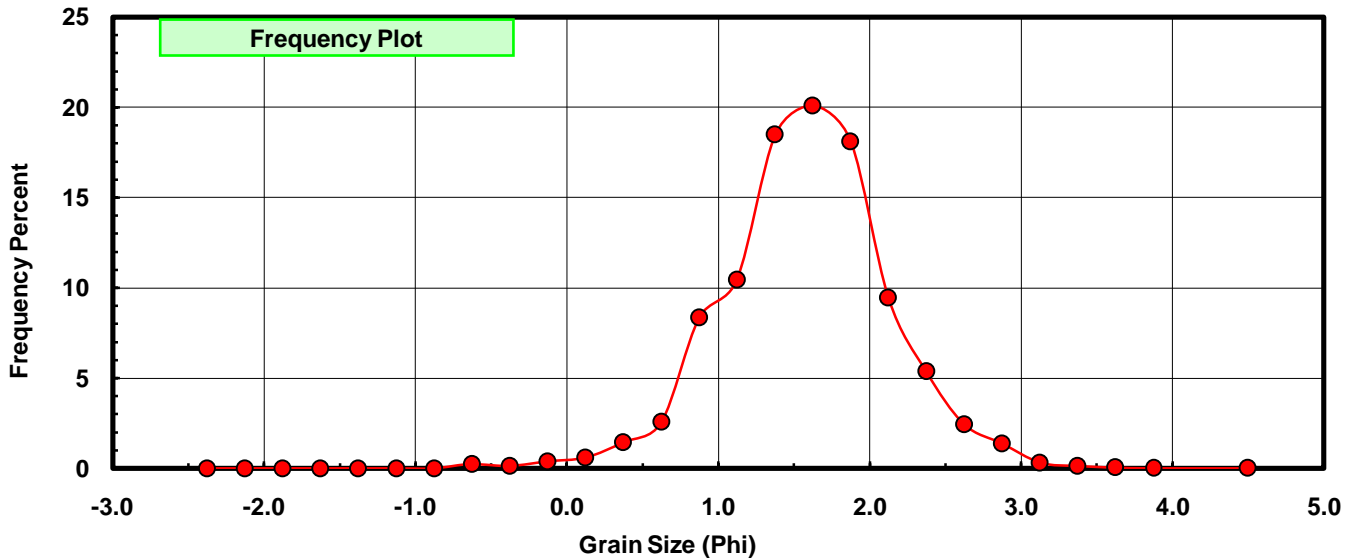
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.122	0.244	0.244
-0.25	-0.375	0.067	0.134	0.378
0.00	-0.125	0.194	0.388	0.765
0.25	0.125	0.301	0.601	1.367
0.50	0.375	0.722	1.443	2.809
0.75	0.625	1.286	2.570	5.379
1.00	0.875	4.175	8.342	13.721
1.25	1.125	5.228	10.446	24.167
1.50	1.375	9.253	18.489	42.656
1.75	1.625	10.059	20.099	62.755
2.00	1.875	9.064	18.111	80.866
2.25	2.125	4.725	9.441	90.307
2.50	2.375	2.681	5.357	95.664
2.75	2.625	1.223	2.444	98.108
3.00	2.875	0.689	1.377	99.484
3.25	3.125	0.157	0.314	99.798
3.50	3.375	0.063	0.126	99.924
3.75	3.625	0.024	0.048	99.972
4.00	3.875	0.008	0.016	99.988
5.00	4.50	0.006	0.012	100.000

Statistical Results			
Mean:	1.5792	phi	(0.3347 mm)
Standard Dev:	0.5528	phi-units	(0.6817 mm)
Skewness:	-0.1745	dimensionless	
Kurtosis:	3.9935	dimensionless	
5th Moment:	-2.4935	dimensionless	
6th Moment:	32.6085	dimensionless	
RARD *	0.3500	dimensionless	
Median	1.4663	phi	(0.3619 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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