

Onshore Grab Sample

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

County: Bay
Latitude: 30° 10' 31.3" N
Longitude: 85° 48' 21.3" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 51.304 grams
Total Fines in Sample 0.044 grams
Total Percent Fines 0.09 %

Dry Sieving Summary

Total Sample Weight 51.478 grams
Total Digested Weight 51.185 grams
Total Carbonate Weight 0.293 grams
Total Silica % 99.43 %
Total Carbonate % 0.57 %
Carbonate/Silica Ratio 0.006

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: 51.478 grams

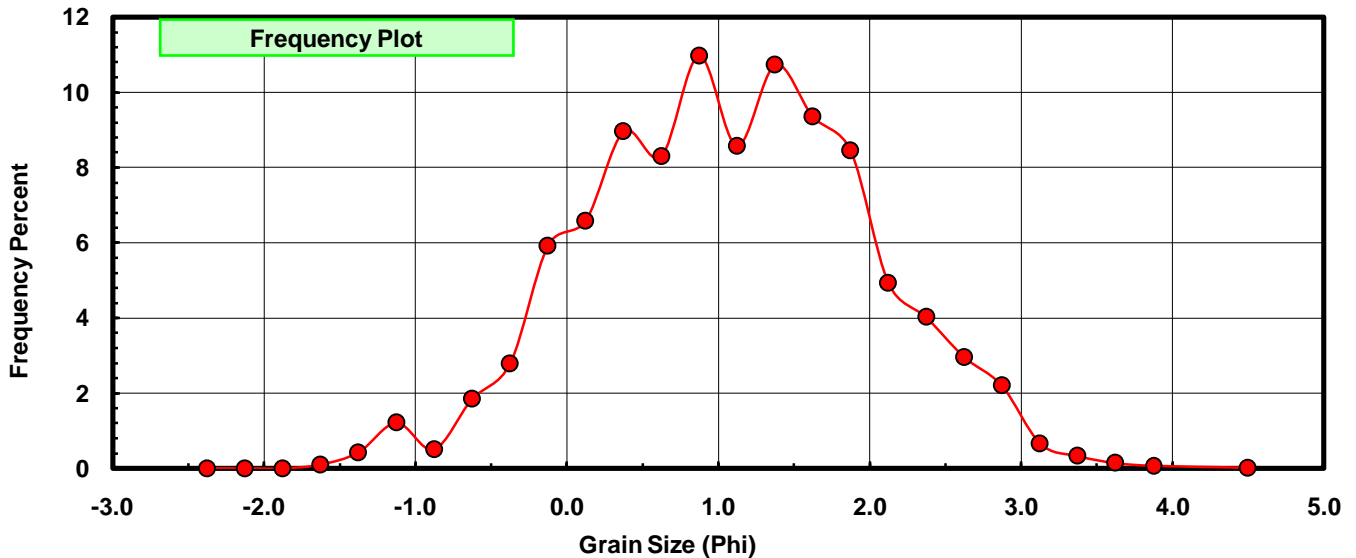
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.050	0.097	0.097
-1.25	-1.375	0.218	0.423	0.521
-1.00	-1.125	0.624	1.212	1.733
-0.75	-0.875	0.259	0.503	2.236
-0.50	-0.625	0.947	1.840	4.076
-0.25	-0.375	1.436	2.790	6.865
0.00	-0.125	3.046	5.917	12.782
0.25	0.125	3.389	6.583	19.366
0.50	0.375	4.610	8.955	28.321
0.75	0.625	4.270	8.295	36.616
1.00	0.875	5.649	10.974	47.589
1.25	1.125	4.414	8.575	56.164
1.50	1.375	5.522	10.727	66.891
1.75	1.625	4.814	9.352	76.242
2.00	1.875	4.350	8.450	84.692
2.25	2.125	2.534	4.922	89.615
2.50	2.375	2.069	4.019	93.634
2.75	2.625	1.522	2.957	96.591
3.00	2.875	1.133	2.201	98.792
3.25	3.125	0.339	0.659	99.450
3.50	3.375	0.171	0.332	99.782
3.75	3.625	0.072	0.140	99.922
4.00	3.875	0.033	0.064	99.986
5.00	4.50	0.007	0.014	100.000

Statistical Results			
Mean:	1.0701	phi	(0.4763 mm)
Standard Dev:	0.9308	phi-units	(0.5246 mm)
Skewness:	-0.0295	dimensionless	
Kurtosis:	2.6979	dimensionless	
5th Moment:	-0.2683	dimensionless	
6th Moment:	11.3133	dimensionless	
RARD *	0.8698	dimensionless	
Median	0.9453	phi	(0.5193 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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