

Onshore Grab Sample

Sample: BY-38
Sample Taken By: D. Phelps
Sample Collected On: 1/11/11
Splits? N/A

County: Bay
Latitude: 29° 58' 29.8" N
Longitude: 85° 30' 43" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	67.84 grams
Total Fines in Sample	0.131 grams
Total Percent Fines	0.19 %

Dry Sieving Summary

Total Sample Weight	67.369 grams
Total Digested Weight	66.848 grams
Total Carbonate Weight	0.521 grams
Total Silica %	99.23 %
Total Carbonate %	0.77 %
Carbonate/Silica Ratio	0.008

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: 67.369 grams

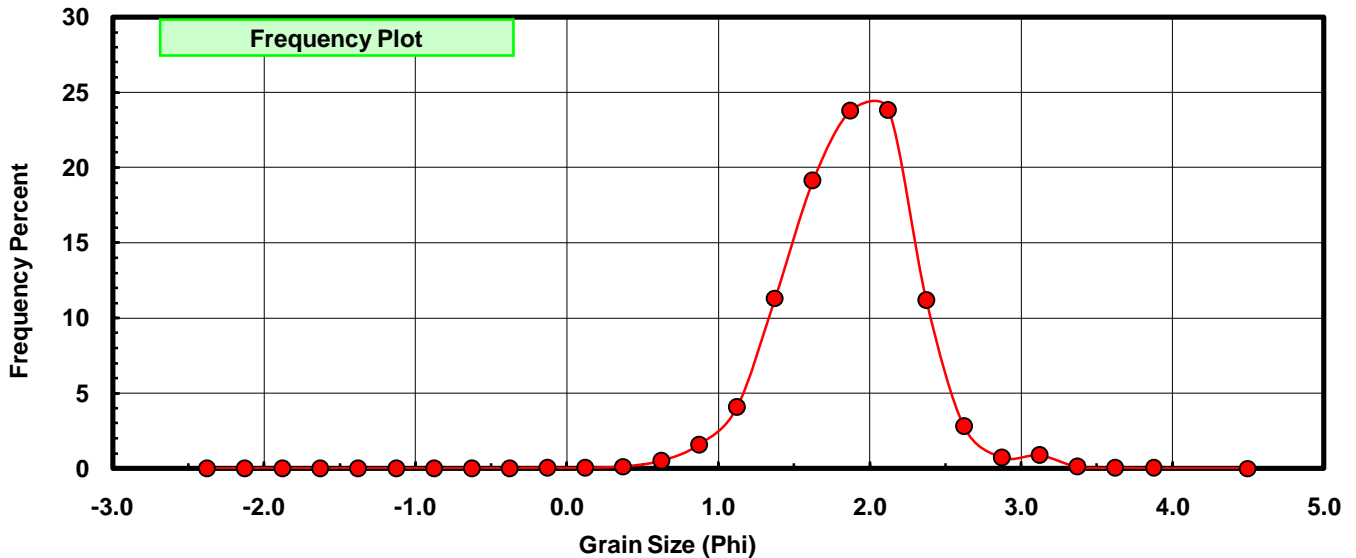
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.028	0.042	0.042
0.25	0.125	0.023	0.034	0.076
0.50	0.375	0.087	0.129	0.205
0.75	0.625	0.332	0.493	0.698
1.00	0.875	1.054	1.565	2.262
1.25	1.125	2.731	4.054	6.316
1.50	1.375	7.626	11.320	17.636
1.75	1.625	12.873	19.108	36.744
2.00	1.875	16.013	23.769	60.513
2.25	2.125	16.043	23.814	84.327
2.50	2.375	7.534	11.183	95.510
2.75	2.625	1.869	2.774	98.284
3.00	2.875	0.482	0.715	99.000
3.25	3.125	0.579	0.859	99.859
3.50	3.375	0.066	0.098	99.957
3.75	3.625	0.024	0.036	99.993
4.00	3.875	0.004	0.006	99.999
5.00	4.50	0.001	0.001	100.000

Statistical Results			
Mean:	1.8715	phi	(0.2733 mm)
Standard Dev:	0.4211	phi-units	(0.7469 mm)
Skewness:	-0.1069	dimensionless	
Kurtosis:	3.8554	dimensionless	
5th Moment:	-0.7589	dimensionless	
6th Moment:	31.1658	dimensionless	
RARD *	0.2250	dimensionless	
Median	1.7644	phi	(0.2943 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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