

Onshore Grab Sample

Sample: WL-08-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/16/11
Splits? N/A

County: Walton
Latitude: 30° 21' 26.9" N
Longitude: 86° 16' 22.5" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 52.676 grams
Total Fines in Sample 0.019 grams
Total Percent Fines 0.04 %

Dry Sieving Summary

Total Sample Weight 52.722 grams
Total Digested Weight 52.598 grams
Total Carbonate Weight 0.124 grams
Total Silica % 99.76 %
Total Carbonate % 0.24 %
Carbonate/Silica Ratio 0.002

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: 52.722 grams

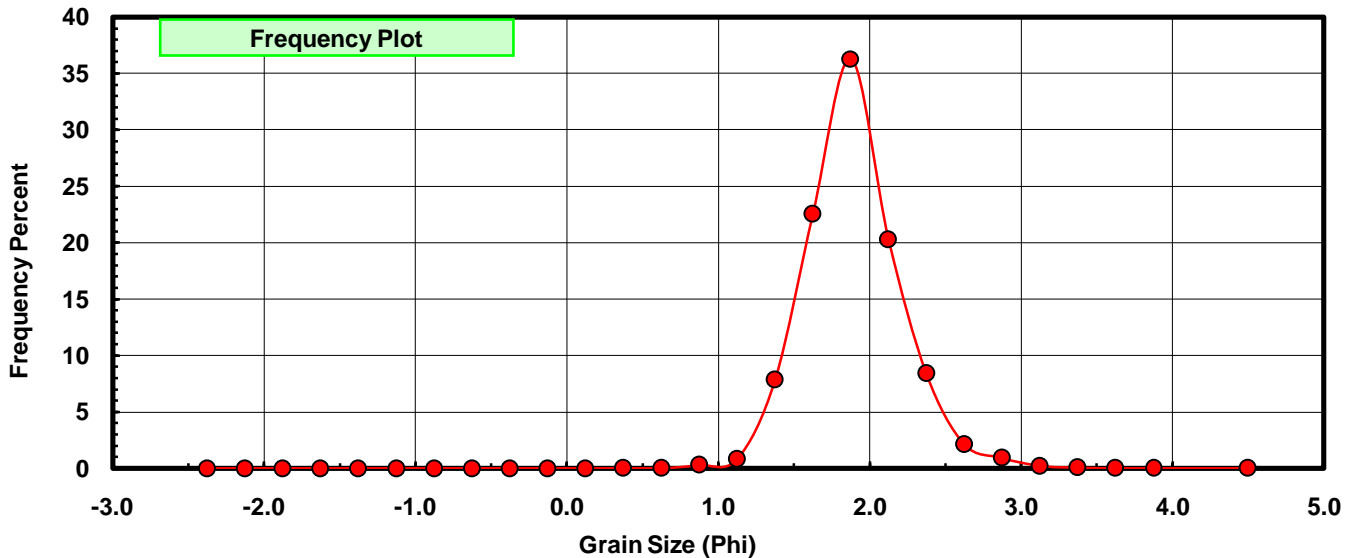
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.000	0.000	0.000
0.50	0.375	0.010	0.019	0.019
0.75	0.625	0.014	0.027	0.046
1.00	0.875	0.157	0.298	0.343
1.25	1.125	0.434	0.823	1.166
1.50	1.375	4.146	7.864	9.030
1.75	1.625	11.899	22.569	31.600
2.00	1.875	19.143	36.309	67.909
2.25	2.125	10.700	20.295	88.204
2.50	2.375	4.442	8.425	96.629
2.75	2.625	1.126	2.136	98.765
3.00	2.875	0.483	0.916	99.681
3.25	3.125	0.115	0.218	99.899
3.50	3.375	0.039	0.074	99.973
3.75	3.625	0.007	0.013	99.987
4.00	3.875	0.004	0.008	99.994
5.00	4.50	0.003	0.006	100.000

Statistical Results			
Mean:	1.8919	phi	(0.2695 mm)
Standard Dev:	0.3241	phi-units	(0.7988 mm)
Skewness:	0.4428	dimensionless	
Kurtosis:	4.4381	dimensionless	
5th Moment:	7.7198	dimensionless	
6th Moment:	56.5958	dimensionless	
RARD *	0.1713	dimensionless	
Median	1.7517	phi	(0.297 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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