

Onshore Grab Sample

Sample: WL-24-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/15/11
Splits? N/A

County: Walton
Latitude: 30° 16' 53.1" N
Longitude: 86° 1' 37" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 37.81 grams
Total Fines in Sample 0.014 grams
Total Percent Fines 0.04 %

Dry Sieving Summary

Total Sample Weight 37.919 grams
Total Digested Weight 36.887 grams
Total Carbonate Weight 1.032 grams
Total Silica % 97.28 %
Total Carbonate % 2.72 %
Carbonate/Silica Ratio 0.028

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: 37.919 grams

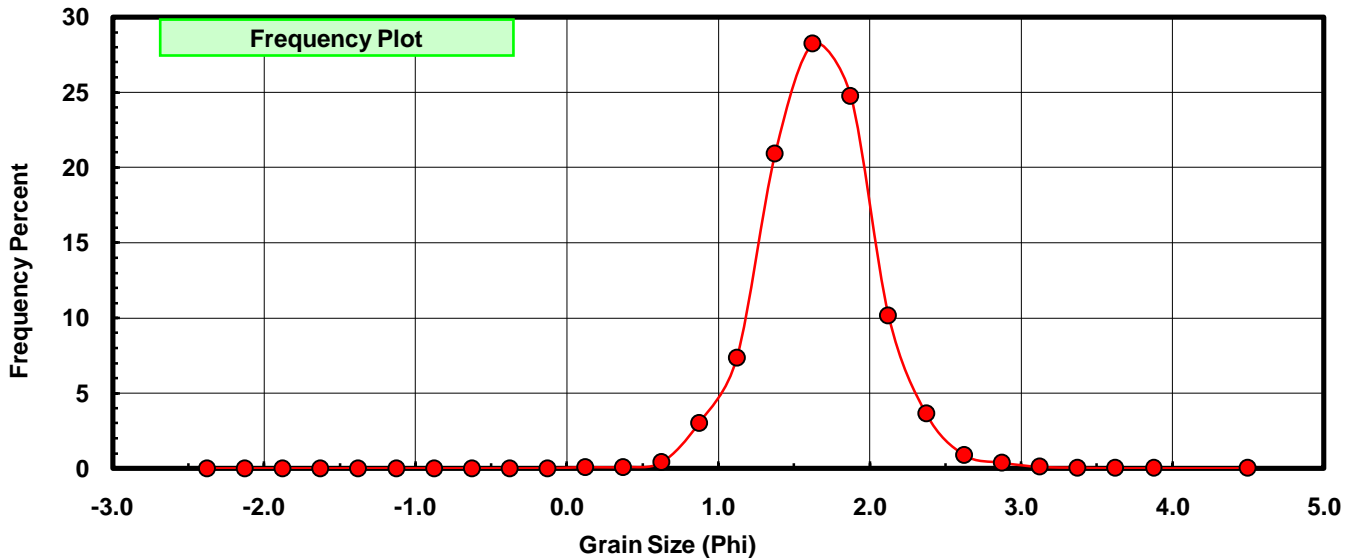
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.025	0.066	0.066
0.50	0.375	0.032	0.084	0.150
0.75	0.625	0.150	0.396	0.546
1.00	0.875	1.140	3.006	3.552
1.25	1.125	2.786	7.347	10.900
1.50	1.375	7.931	20.916	31.815
1.75	1.625	10.705	28.231	60.046
2.00	1.875	9.387	24.755	84.802
2.25	2.125	3.849	10.151	94.952
2.50	2.375	1.373	3.621	98.573
2.75	2.625	0.336	0.886	99.459
3.00	2.875	0.142	0.374	99.834
3.25	3.125	0.041	0.108	99.942
3.50	3.375	0.014	0.037	99.979
3.75	3.625	0.003	0.008	99.987
4.00	3.875	0.004	0.011	99.997
5.00	4.50	0.001	0.003	100.000

Statistical Results			
Mean:	1.6635	phi	(0.3157 mm)
Standard Dev:	0.3712	phi-units	(0.7731 mm)
Skewness:	0.1520	dimensionless	
Kurtosis:	3.9685	dimensionless	
5th Moment:	3.6222	dimensionless	
6th Moment:	39.8786	dimensionless	
RARD *	0.2232	dimensionless	
Median	1.5360	phi	(0.3448 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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