

Onshore Grab Sample

Sample: WL-09-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/16/11
Splits? N/A

County: Walton
Latitude: 30° 21' 13.9" N
Longitude: 86° 15' 26.6" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	63.844 grams
Total Fines in Sample	0.007 grams
Total Percent Fines	0.01 %

Dry Sieving Summary

Total Sample Weight	63.682 grams
Total Digested Weight	63.620 grams
Total Carbonate Weight	0.062 grams
Total Silica %	99.90 %
Total Carbonate %	0.10 %
Carbonate/Silica Ratio	0.001

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: 63.682 grams

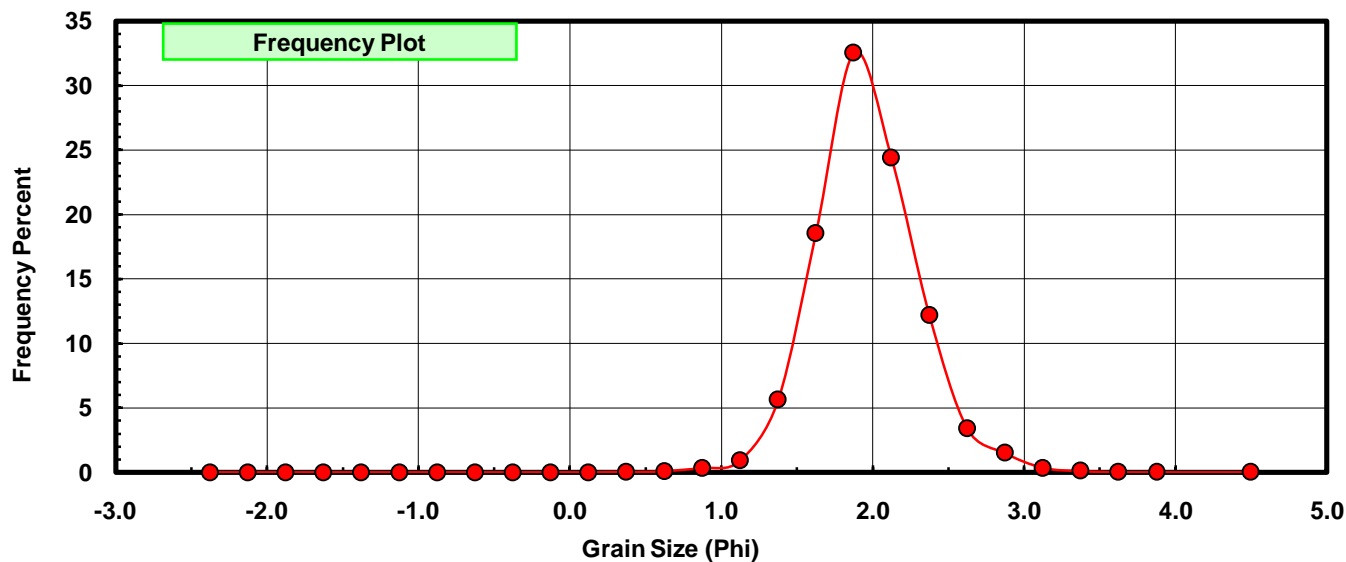
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.019	0.030	0.030
0.75	0.625	0.049	0.077	0.107
1.00	0.875	0.217	0.341	0.448
1.25	1.125	0.575	0.903	1.350
1.50	1.375	3.579	5.620	6.971
1.75	1.625	11.818	18.558	25.528
2.00	1.875	20.716	32.530	58.059
2.25	2.125	15.524	24.377	82.436
2.50	2.375	7.763	12.190	94.626
2.75	2.625	2.168	3.404	98.031
3.00	2.875	0.954	1.498	99.529
3.25	3.125	0.218	0.342	99.871
3.50	3.375	0.067	0.105	99.976
3.75	3.625	0.009	0.014	99.991
4.00	3.875	0.003	0.005	99.995
5.00	4.50	0.003	0.005	100.000

Statistical Results			
Mean:	1.9576	phi	(0.2574 mm)
Standard Dev:	0.3458	phi-units	(0.7869 mm)
Skewness:	0.2757	dimensionless	
Kurtosis:	4.0963	dimensionless	
5th Moment:	3.6770	dimensionless	
6th Moment:	40.3160	dimensionless	
RARD *	0.1766	dimensionless	
Median	1.8131	phi	(0.2846 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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