

Onshore Grab Sample

Sample: WL-04-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/16/11
Splits? N/A

County: Walton
Latitude: 30° 22' 12.4" N
Longitude: 86° 20' 7.8" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 57.035 grams
Total Fines in Sample 0.028 grams
Total Percent Fines 0.05 %

Dry Sieving Summary

Total Sample Weight 56.822 grams
Total Digested Weight 56.726 grams
Total Carbonate Weight 0.096 grams
Total Silica % 99.83 %
Total Carbonate % 0.17 %
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: 56.822 grams

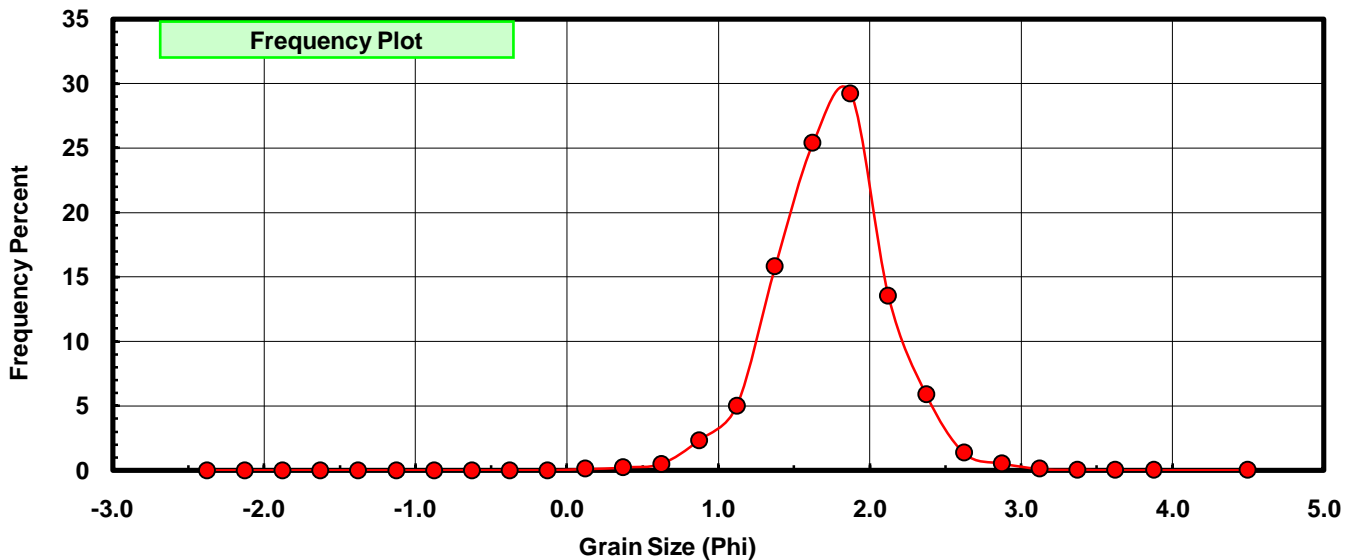
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.069	0.121	0.121
0.50	0.375	0.125	0.220	0.341
0.75	0.625	0.274	0.482	0.824
1.00	0.875	1.314	2.312	3.136
1.25	1.125	2.844	5.005	8.141
1.50	1.375	8.981	15.805	23.947
1.75	1.625	14.420	25.377	49.324
2.00	1.875	16.608	29.228	78.552
2.25	2.125	7.674	13.505	92.058
2.50	2.375	3.334	5.867	97.925
2.75	2.625	0.763	1.343	99.268
3.00	2.875	0.299	0.526	99.794
3.25	3.125	0.061	0.107	99.901
3.50	3.375	0.024	0.042	99.944
3.75	3.625	0.014	0.025	99.968
4.00	3.875	0.010	0.018	99.986
5.00	4.50	0.008	0.014	100.000

Statistical Results			
Mean:	1.7420	phi	(0.299 mm)
Standard Dev:	0.3857	phi-units	(0.7654 mm)
Skewness:	-0.0261	dimensionless	
Kurtosis:	4.4984	dimensionless	
5th Moment:	2.5483	dimensionless	
6th Moment:	57.2479	dimensionless	
RARD *	0.2214	dimensionless	
Median	1.6308	phi	(0.3229 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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