

Onshore Grab Sample

Sample: WL-18-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/16/11
Splits? N/A

County: Walton
Latitude: 30° 18' 44.8" N
Longitude: 86° 6' 59.6" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	73.77 grams
Total Fines in Sample	0.071 grams
Total Percent Fines	0.10 %

Dry Sieving Summary

Total Sample Weight	73.527 grams
Total Digested Weight	73.455 grams
Total Carbonate Weight	0.072 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: 73.527 grams

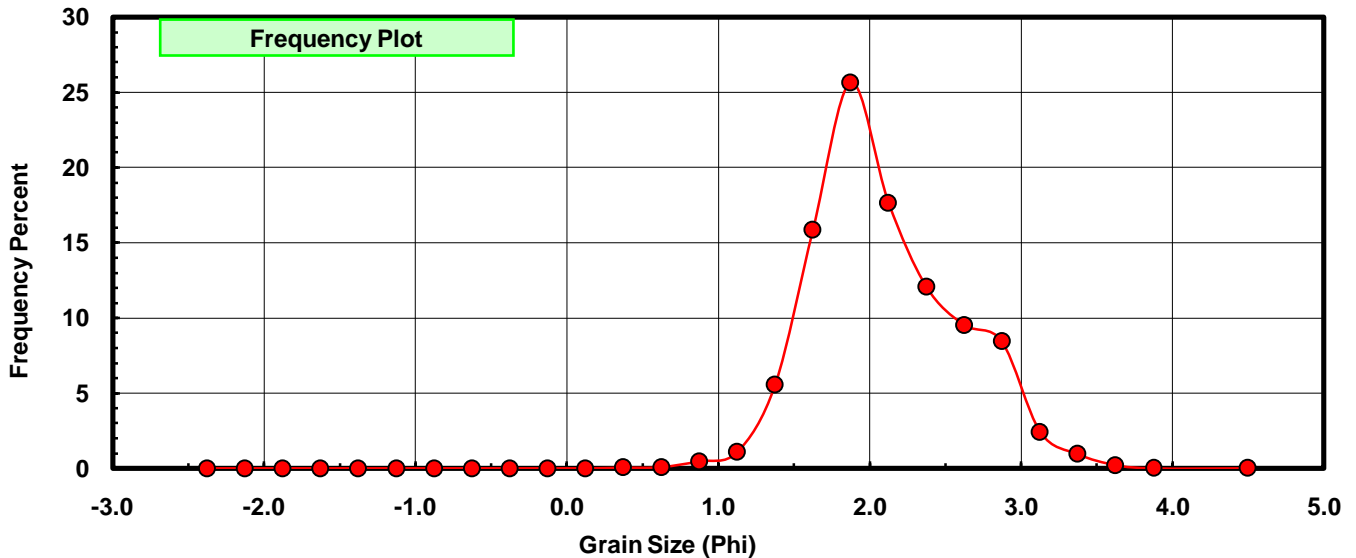
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.034	0.046	0.046
0.75	0.625	0.063	0.086	0.132
1.00	0.875	0.342	0.465	0.597
1.25	1.125	0.784	1.066	1.663
1.50	1.375	4.094	5.568	7.231
1.75	1.625	11.661	15.859	23.091
2.00	1.875	18.861	25.652	48.743
2.25	2.125	12.983	17.657	66.400
2.50	2.375	8.873	12.068	78.468
2.75	2.625	7.002	9.523	87.991
3.00	2.875	6.207	8.442	96.433
3.25	3.125	1.783	2.425	98.858
3.50	3.375	0.691	0.940	99.797
3.75	3.625	0.144	0.196	99.993
4.00	3.875	0.002	0.003	99.996
5.00	4.50	0.003	0.004	100.000

Statistical Results			
Mean:	2.1014	phi	(0.233 mm)
Standard Dev:	0.4831	phi-units	(0.7154 mm)
Skewness:	0.3882	dimensionless	
Kurtosis:	2.8724	dimensionless	
5th Moment:	2.1218	dimensionless	
6th Moment:	14.1534	dimensionless	
RARD *	0.2299	dimensionless	
Median	1.8928	phi	(0.2693 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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