

Onshore Grab Sample

Sample: WL-10-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/16/11
Splits? N/A

County: Walton
Latitude: 30° 20' 56.9" N
Longitude: 86° 14' 25" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	47.59 grams
Total Fines in Sample	0.005 grams
Total Percent Fines	0.01 %

Dry Sieving Summary

Total Sample Weight	47.545 grams
Total Digested Weight	47.502 grams
Total Carbonate Weight	0.043 grams
Total Silica %	99.91 %
Total Carbonate %	0.09 %
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: 47.545 grams

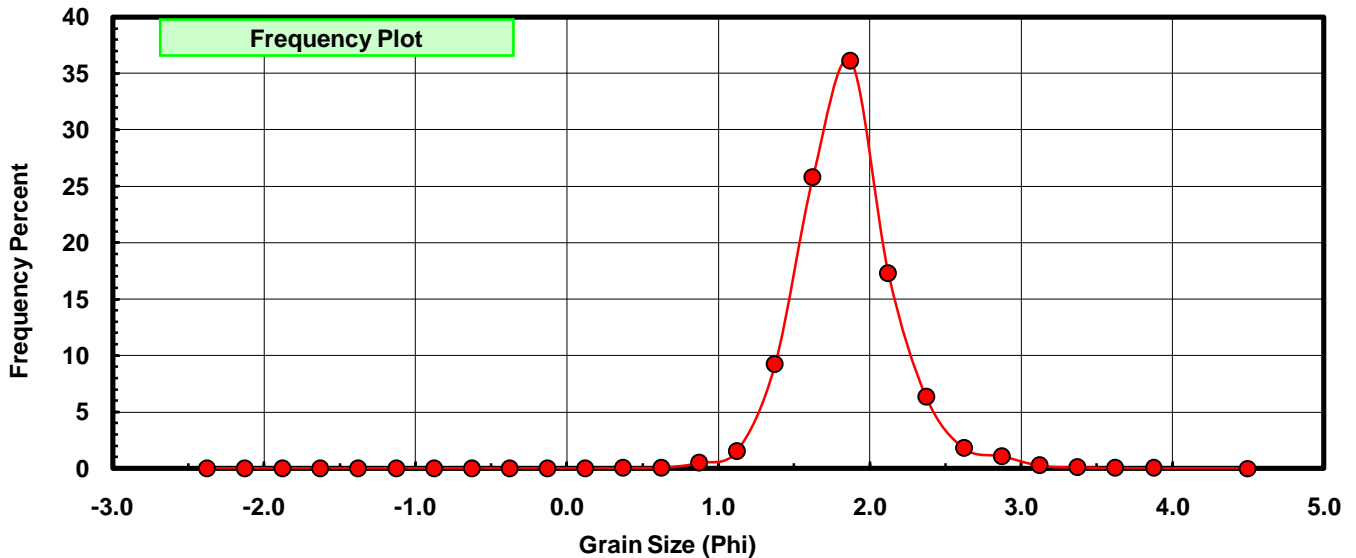
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.009	0.019	0.019
0.75	0.625	0.025	0.053	0.072
1.00	0.875	0.230	0.484	0.555
1.25	1.125	0.720	1.514	2.070
1.50	1.375	4.391	9.235	11.305
1.75	1.625	12.264	25.795	37.100
2.00	1.875	17.160	36.092	73.192
2.25	2.125	8.212	17.272	90.464
2.50	2.375	3.004	6.318	96.782
2.75	2.625	0.849	1.786	98.568
3.00	2.875	0.508	1.068	99.636
3.25	3.125	0.117	0.246	99.882
3.50	3.375	0.043	0.090	99.973
3.75	3.625	0.009	0.019	99.992
4.00	3.875	0.003	0.006	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.8510	phi	(0.2772 mm)
Standard Dev:	0.3312	phi-units	(0.7949 mm)
Skewness:	0.5018	dimensionless	
Kurtosis:	4.6940	dimensionless	
5th Moment:	7.9745	dimensionless	
6th Moment:	52.7005	dimensionless	
RARD *	0.1790	dimensionless	
Median	1.7144	phi	(0.3047 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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