

Onshore Grab Sample

Sample: WL-05-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/16/11
Splits? N/A

County: Walton
Latitude: 30° 22' 3.4" N
Longitude: 86° 19' 12.5" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 43.472 grams
Total Fines in Sample 0.003 grams
Total Percent Fines 0.01 %

Dry Sieving Summary

Total Sample Weight 43.600 grams
Total Digested Weight 43.373 grams
Total Carbonate Weight 0.227 grams
Total Silica % 99.48 %
Total Carbonate % 0.52 %
Carbonate/Silica Ratio 0.005

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: 43.600 grams

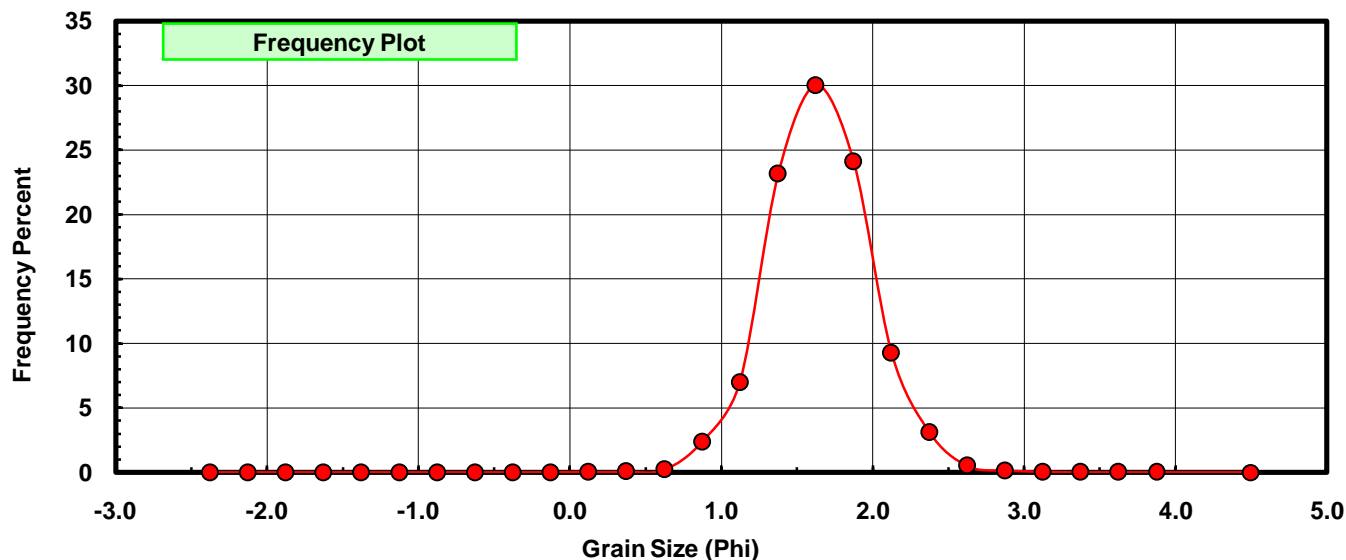
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.012	0.028	0.028
0.50	0.375	0.023	0.053	0.080
0.75	0.625	0.093	0.213	0.294
1.00	0.875	1.033	2.369	2.663
1.25	1.125	3.048	6.991	9.654
1.50	1.375	10.088	23.138	32.791
1.75	1.625	13.088	30.018	62.810
2.00	1.875	10.504	24.092	86.901
2.25	2.125	4.042	9.271	96.172
2.50	2.375	1.357	3.112	99.284
2.75	2.625	0.219	0.502	99.787
3.00	2.875	0.061	0.140	99.927
3.25	3.125	0.017	0.039	99.966
3.50	3.375	0.008	0.018	99.984
3.75	3.625	0.003	0.007	99.991
4.00	3.875	0.003	0.007	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.6492	phi	(0.3188 mm)
Standard Dev:	0.3408	phi-units	(0.7896 mm)
Skewness:	0.1482	dimensionless	
Kurtosis:	3.7782	dimensionless	
5th Moment:	3.6800	dimensionless	
6th Moment:	41.3160	dimensionless	
RARD *	0.2066	dimensionless	
Median	1.5183	phi	(0.3491 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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