

Onshore Grab Sample

Sample: WK-03
Sample Taken By: D. Phelps
Sample Collected On: 1/7/11
Splits? N/A

County: Wakulla
Latitude: 30° 0' 56.4" N
Longitude: 84° 22' 11.1" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 57.981 grams
Total Fines in Sample 0.141 grams
Total Percent Fines 0.24 %

Dry Sieving Summary

Total Sample Weight 57.537 grams
Total Digested Weight 57.398 grams
Total Carbonate Weight 0.139 grams
Total Silica % 99.76 %
Total Carbonate % 0.24 %
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: 57.537 grams

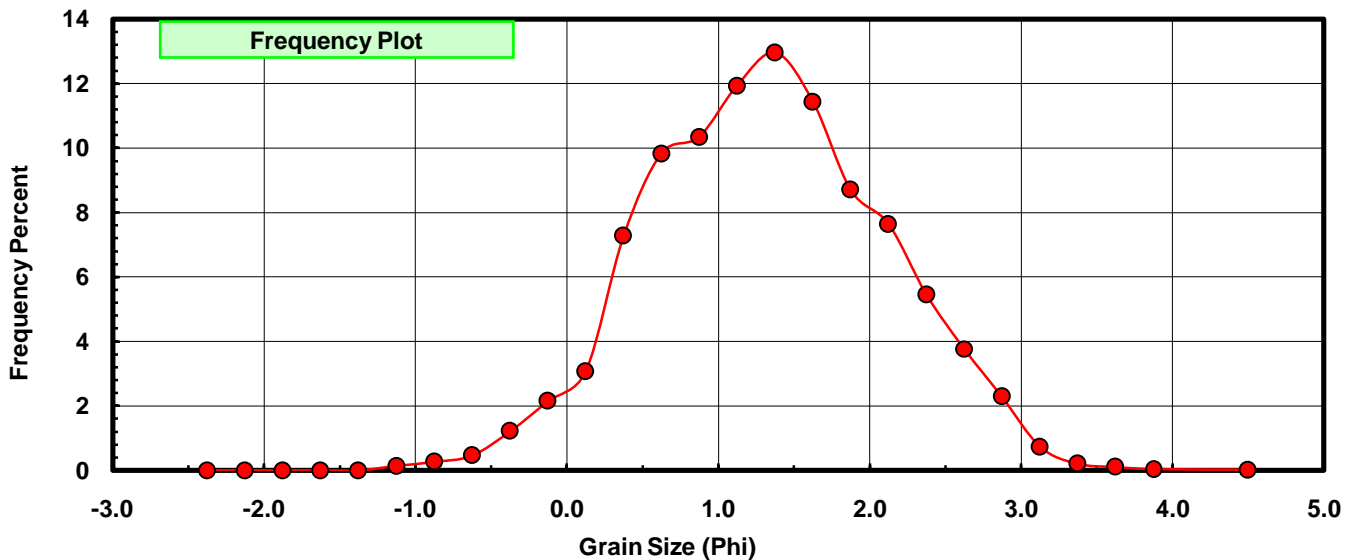
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.076	0.132	0.132
-0.75	-0.875	0.154	0.268	0.400
-0.50	-0.625	0.264	0.459	0.859
-0.25	-0.375	0.700	1.217	2.075
0.00	-0.125	1.237	2.150	4.225
0.25	0.125	1.766	3.069	7.294
0.50	0.375	4.187	7.277	14.571
0.75	0.625	5.650	9.820	24.391
1.00	0.875	5.949	10.339	34.731
1.25	1.125	6.861	11.925	46.655
1.50	1.375	7.460	12.966	59.621
1.75	1.625	6.577	11.431	71.052
2.00	1.875	5.010	8.707	79.759
2.25	2.125	4.397	7.642	87.401
2.50	2.375	3.137	5.452	92.853
2.75	2.625	2.171	3.773	96.627
3.00	2.875	1.316	2.287	98.914
3.25	3.125	0.419	0.728	99.642
3.50	3.375	0.120	0.209	99.851
3.75	3.625	0.058	0.101	99.951
4.00	3.875	0.019	0.033	99.984
5.00	4.50	0.009	0.016	100.000

Statistical Results			
Mean:	1.3226	phi	(0.3998 mm)
Standard Dev:	0.7869	phi-units	(0.5796 mm)
Skewness:	0.0183	dimensionless	
Kurtosis:	2.7650	dimensionless	
5th Moment:	-0.0841	dimensionless	
6th Moment:	12.3838	dimensionless	
RARD *	0.5950	dimensionless	
Median	1.1895	phi	(0.4385 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)



WK-03

