

Onshore Grab Sample

Sample: WK-13
Sample Taken By: D. Phelps
Sample Collected On: 1/7/11
Splits? N/A

County: Wakulla
Latitude: 30° 3' 47.3" N
Longitude: 84° 16' 25.1" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	60.038 grams
Total Fines in Sample	0.087 grams
Total Percent Fines	0.14 %

Dry Sieving Summary

Total Sample Weight	60.109 grams
Total Digested Weight	59.908 grams
Total Carbonate Weight	0.201 grams
Total Silica %	99.67 %
Total Carbonate %	0.33 %
Carbonate/Silica Ratio	0.003

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: 60.109 grams

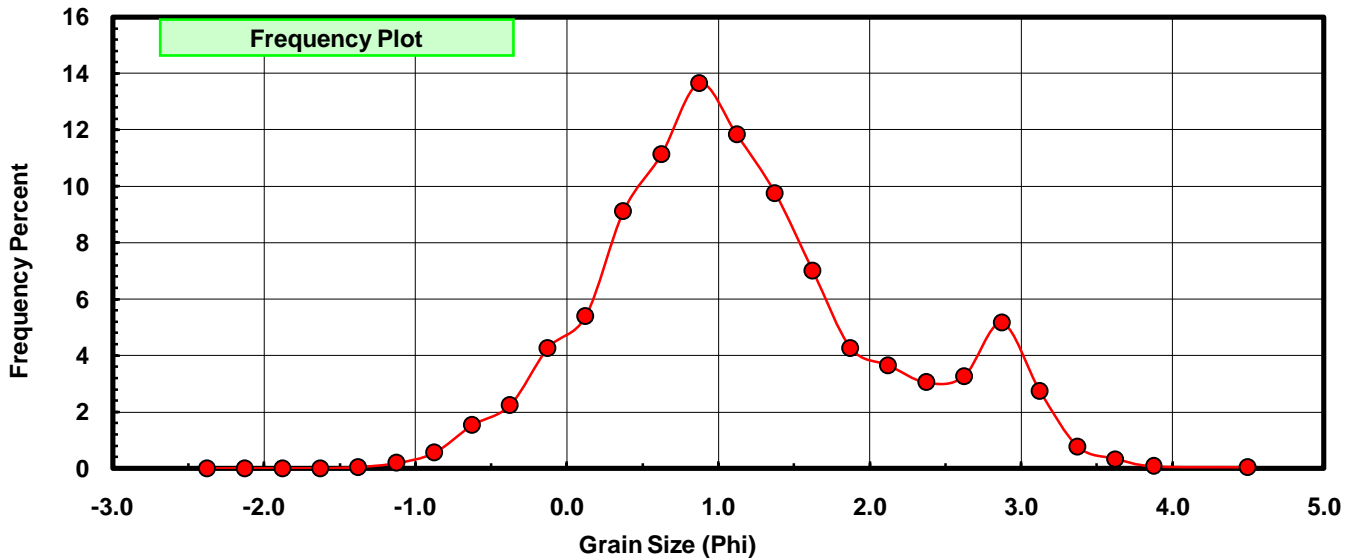
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.026	0.043	0.043
-1.00	-1.125	0.111	0.185	0.228
-0.75	-0.875	0.329	0.547	0.775
-0.50	-0.625	0.917	1.526	2.301
-0.25	-0.375	1.350	2.246	4.547
0.00	-0.125	2.562	4.262	8.809
0.25	0.125	3.243	5.395	14.204
0.50	0.375	5.479	9.115	23.319
0.75	0.625	6.686	11.123	34.442
1.00	0.875	8.204	13.649	48.091
1.25	1.125	7.109	11.827	59.918
1.50	1.375	5.863	9.754	69.672
1.75	1.625	4.203	6.992	76.664
2.00	1.875	2.564	4.266	80.930
2.25	2.125	2.190	3.643	84.573
2.50	2.375	1.829	3.043	87.616
2.75	2.625	1.962	3.264	90.880
3.00	2.875	3.102	5.161	96.041
3.25	3.125	1.643	2.733	98.774
3.50	3.375	0.461	0.767	99.541
3.75	3.625	0.205	0.341	99.882
4.00	3.875	0.045	0.075	99.957
5.00	4.50	0.026	0.043	100.000

Statistical Results			
Mean:	1.1721	phi	(0.4438 mm)
Standard Dev:	0.9461	phi-units	(0.519 mm)
Skewness:	0.4286	dimensionless	
Kurtosis:	2.7517	dimensionless	
5th Moment:	2.3068	dimensionless	
6th Moment:	10.8039	dimensionless	
RARD *	0.8072	dimensionless	
Median	0.9154	phi	(0.5302 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-13

