

Onshore Grab Sample

Sample: WK-01-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/7/11
Splits? N/A

County: Wakulla
Latitude: 29° 58' 14.8" N
Longitude: 84° 20' 29.6" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	70.552 grams
Total Fines in Sample	0.076 grams
Total Percent Fines	0.11 %

Dry Sieving Summary

Total Sample Weight	70.768 grams
Total Digested Weight	67.238 grams
Total Carbonate Weight	3.530 grams
Total Silica %	95.01 %
Total Carbonate %	4.99 %
Carbonate/Silica Ratio	0.053

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: 70.768 grams

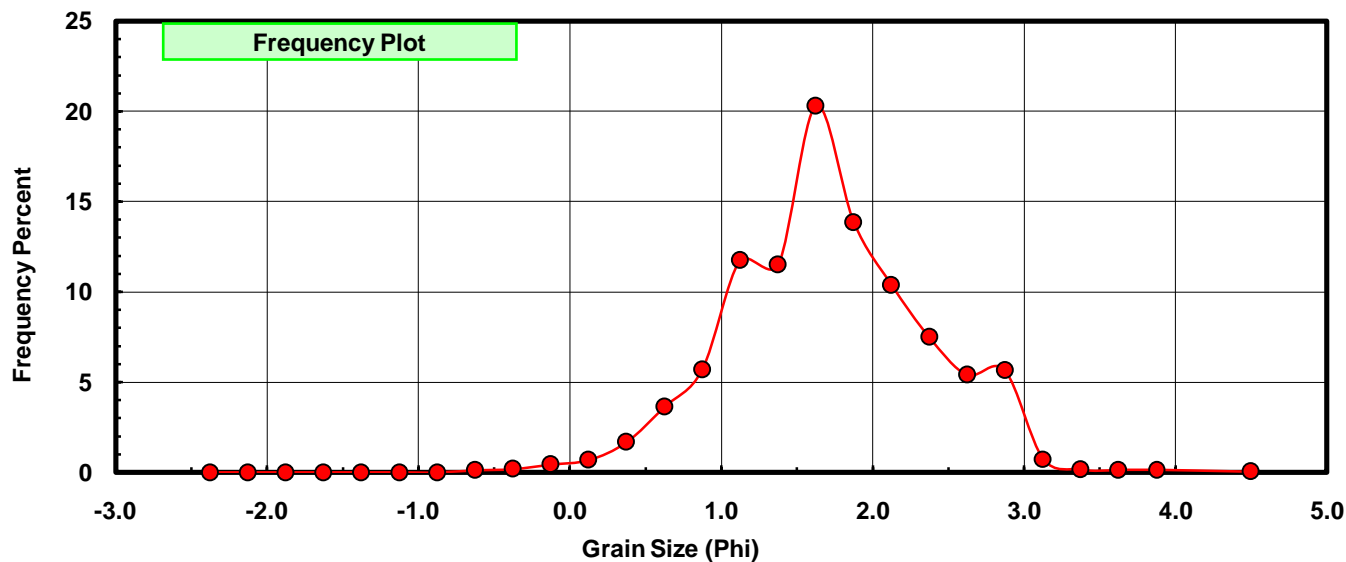
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.086	0.122	0.122
-0.25	-0.375	0.132	0.187	0.308
0.00	-0.125	0.312	0.441	0.749
0.25	0.125	0.490	0.692	1.441
0.50	0.375	1.187	1.677	3.119
0.75	0.625	2.568	3.629	6.747
1.00	0.875	4.025	5.688	12.435
1.25	1.125	8.314	11.748	24.183
1.50	1.375	8.143	11.507	35.690
1.75	1.625	14.375	20.313	56.003
2.00	1.875	9.808	13.859	69.862
2.25	2.125	7.352	10.389	80.251
2.50	2.375	5.298	7.486	87.737
2.75	2.625	3.825	5.405	93.142
3.00	2.875	3.995	5.645	98.788
3.25	3.125	0.528	0.746	99.534
3.50	3.375	0.110	0.155	99.689
3.75	3.625	0.092	0.130	99.819
4.00	3.875	0.090	0.127	99.946
5.00	4.50	0.038	0.054	100.000

Statistical Results			
Mean:	1.7013	phi	(0.3075 mm)
Standard Dev:	0.6562	phi-units	(0.6345 mm)
Skewness:	-0.0025	dimensionless	
Kurtosis:	3.2314	dimensionless	
5th Moment:	-0.3051	dimensionless	
6th Moment:	19.3725	dimensionless	
RARD *	0.3857	dimensionless	
Median	1.5511	phi	(0.3412 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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