

Onshore Grab Sample

Sample: WK-02-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/7/11
Splits? N/A

County: Wakulla
Latitude: 29° 58' 34.2" N
Longitude: 84° 20' 29.9" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	58.496 grams
Total Fines in Sample	0.084 grams
Total Percent Fines	0.14 %

Dry Sieving Summary

Total Sample Weight	58.593 grams
Total Digested Weight	58.361 grams
Total Carbonate Weight	0.232 grams
Total Silica %	99.60 %
Total Carbonate %	0.40 %
Carbonate/Silica Ratio	0.004

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: 58.593 grams

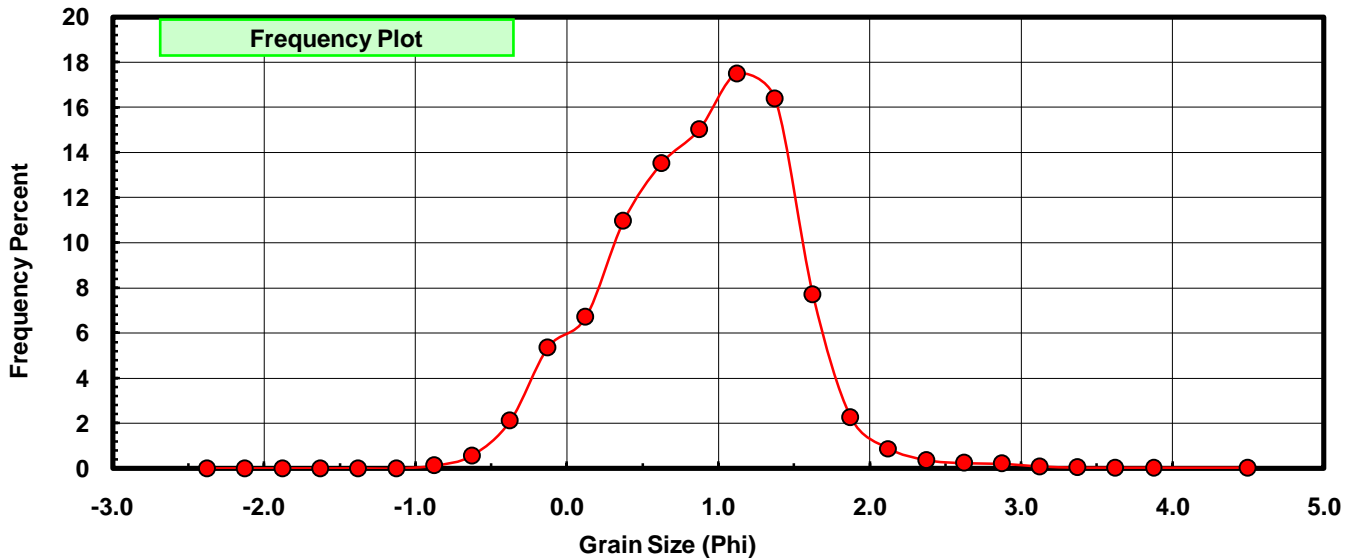
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.072	0.123	0.123
-0.50	-0.625	0.326	0.556	0.679
-0.25	-0.375	1.234	2.106	2.785
0.00	-0.125	3.134	5.349	8.134
0.25	0.125	3.924	6.697	14.831
0.50	0.375	6.418	10.954	25.785
0.75	0.625	7.913	13.505	39.290
1.00	0.875	8.797	15.014	54.303
1.25	1.125	10.250	17.494	71.797
1.50	1.375	9.595	16.376	88.173
1.75	1.625	4.509	7.695	95.868
2.00	1.875	1.326	2.263	98.131
2.25	2.125	0.516	0.881	99.012
2.50	2.375	0.215	0.367	99.379
2.75	2.625	0.142	0.242	99.621
3.00	2.875	0.119	0.203	99.824
3.25	3.125	0.048	0.082	99.906
3.50	3.375	0.021	0.036	99.942
3.75	3.625	0.013	0.022	99.964
4.00	3.875	0.011	0.019	99.983
5.00	4.50	0.010	0.017	100.000

Statistical Results			
Mean:	0.8812	phi	(0.5429 mm)
Standard Dev:	0.5911	phi-units	(0.6638 mm)
Skewness:	-0.0030	dimensionless	
Kurtosis:	3.4880	dimensionless	
5th Moment:	3.7008	dimensionless	
6th Moment:	32.5166	dimensionless	
RARD *	0.6708	dimensionless	
Median	0.8033	phi	(0.573 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-02-BB

