

Onshore Grab Sample

Sample: WK-14
Sample Taken By: D. Phelps
Sample Collected On: 1/7/11
Splits? N/A

County: Wakulla
Latitude: 30° 6' 17.5" N
Longitude: 84° 15' 41.7" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	61.041 grams
Total Fines in Sample	1.069 grams
Total Percent Fines	1.72 %

Dry Sieving Summary

Total Sample Weight	59.750 grams
Total Digested Weight	59.544 grams
Total Carbonate Weight	0.206 grams
Total Silica %	99.66 %
Total Carbonate %	0.34 %
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

Sample: WK-14

Total Sample Mass: 59.750 grams

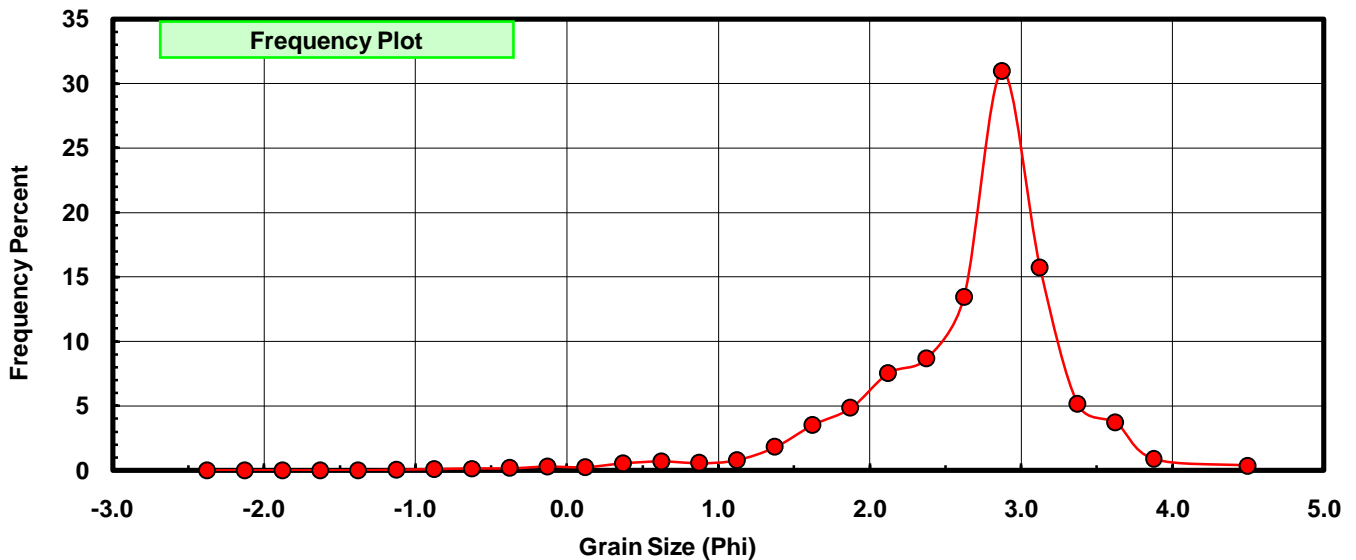
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.021	0.035	0.035
-0.75	-0.875	0.055	0.092	0.127
-0.50	-0.625	0.090	0.151	0.278
-0.25	-0.375	0.100	0.167	0.445
0.00	-0.125	0.166	0.278	0.723
0.25	0.125	0.146	0.244	0.967
0.50	0.375	0.318	0.532	1.500
0.75	0.625	0.414	0.693	2.192
1.00	0.875	0.336	0.562	2.755
1.25	1.125	0.467	0.782	3.536
1.50	1.375	1.075	1.799	5.336
1.75	1.625	2.104	3.521	8.857
2.00	1.875	2.892	4.840	13.697
2.25	2.125	4.499	7.530	21.227
2.50	2.375	5.172	8.656	29.883
2.75	2.625	8.025	13.431	43.314
3.00	2.875	18.482	30.932	74.246
3.25	3.125	9.379	15.697	89.943
3.50	3.375	3.062	5.125	95.068
3.75	3.625	2.212	3.702	98.770
4.00	3.875	0.529	0.885	99.655
5.00	4.50	0.206	0.345	100.000

Statistical Results			
Mean:	2.6449	phi	(0.1599 mm)
Standard Dev:	0.6672	phi-units	(0.6297 mm)
Skewness:	-1.4656	dimensionless	
Kurtosis:	7.0115	dimensionless	
5th Moment:	-24.0754	dimensionless	
6th Moment:	110.2060	dimensionless	
RARD *	0.2523	dimensionless	
Median	2.6790	phi	(0.1561 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-14

