

Onshore Grab Sample

Sample: WK-12
Sample Taken By: D. Phelps
Sample Collected On: 1/7/11
Splits? N/A

County: Wakulla
Latitude: 30° 3' 42.2" N
Longitude: 84° 16' 54.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	49.744 grams
Total Fines in Sample	1.211 grams
Total Percent Fines	2.38 %

Dry Sieving Summary

Total Sample Weight	48.736 grams
Total Digested Weight	48.257 grams
Total Carbonate Weight	0.479 grams
Total Silica %	99.02 %
Total Carbonate %	0.98 %
Carbonate/Silica Ratio	0.010

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: 48.736 grams

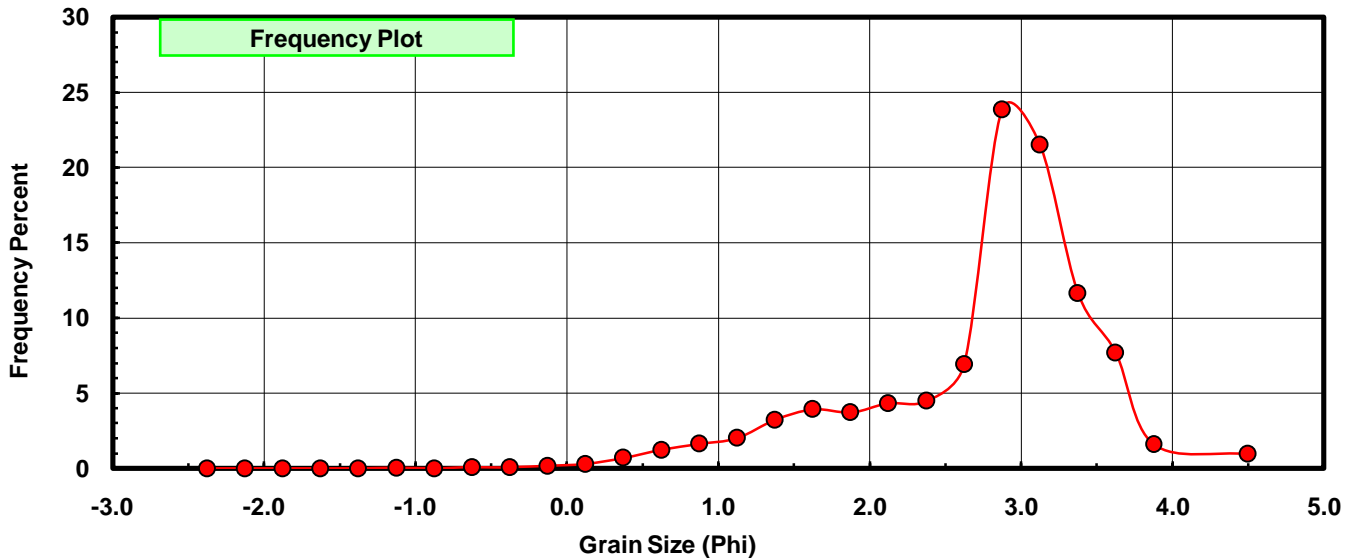
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.016	0.033	0.033
-0.75	-0.875	0.000	0.000	0.033
-0.50	-0.625	0.038	0.078	0.111
-0.25	-0.375	0.036	0.074	0.185
0.00	-0.125	0.083	0.170	0.355
0.25	0.125	0.141	0.289	0.644
0.50	0.375	0.340	0.698	1.342
0.75	0.625	0.598	1.227	2.569
1.00	0.875	0.795	1.631	4.200
1.25	1.125	0.976	2.003	6.203
1.50	1.375	1.567	3.215	9.418
1.75	1.625	1.918	3.935	13.354
2.00	1.875	1.809	3.712	17.065
2.25	2.125	2.106	4.321	21.387
2.50	2.375	2.183	4.479	25.866
2.75	2.625	3.363	6.900	32.766
3.00	2.875	11.618	23.839	56.605
3.25	3.125	10.474	21.491	78.096
3.50	3.375	5.680	11.655	89.751
3.75	3.625	3.747	7.688	97.439
4.00	3.875	0.784	1.609	99.048
5.00	4.50	0.464	0.952	100.000

Statistical Results			
Mean:	2.7374	phi	(0.15 mm)
Standard Dev:	0.7898	phi-units	(0.5784 mm)
Skewness:	-1.1559	dimensionless	
Kurtosis:	4.3909	dimensionless	
5th Moment:	-10.3513	dimensionless	
6th Moment:	36.7797	dimensionless	
RARD *	0.2885	dimensionless	
Median	2.8057	phi	(0.143 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-12

