

Onshore Grab Sample

Sample: WK-06
Sample Taken By: D. Phelps
Sample Collected On: 1/27/11
Splits? N/A

County: Wakulla
Latitude: 30° 1' 38" N
Longitude: 84° 20' 14.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	44.653 grams
Total Fines in Sample	8.682 grams
Total Percent Fines	16.28 %

Dry Sieving Summary

Total Sample Weight	37.332 grams
Total Digested Weight	36.257 grams
Total Carbonate Weight	1.075 grams
Total Silica %	97.12 %
Total Carbonate %	2.88 %
Carbonate/Silica Ratio	0.030

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: 37.332 grams

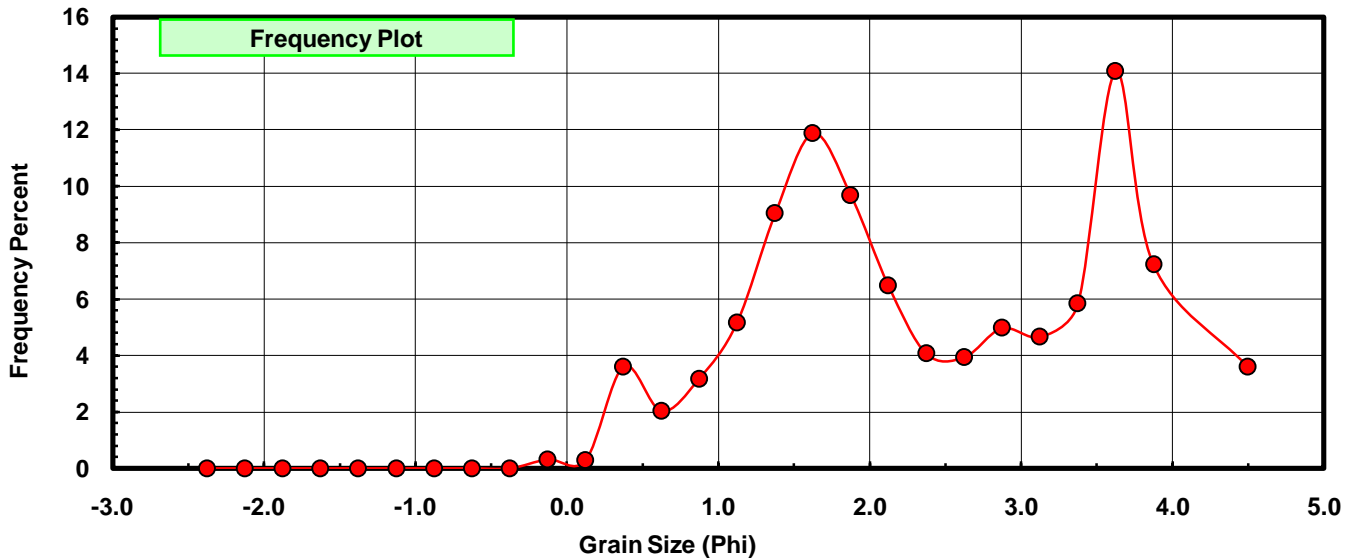
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.116	0.311	0.311
0.25	0.125	0.107	0.287	0.597
0.50	0.375	1.345	3.603	4.200
0.75	0.625	0.759	2.033	6.233
1.00	0.875	1.184	3.172	9.405
1.25	1.125	1.925	5.156	14.561
1.50	1.375	3.376	9.043	23.604
1.75	1.625	4.435	11.880	35.484
2.00	1.875	3.616	9.686	45.170
2.25	2.125	2.418	6.477	51.647
2.50	2.375	1.519	4.069	55.716
2.75	2.625	1.468	3.932	59.649
3.00	2.875	1.856	4.972	64.620
3.25	3.125	1.740	4.661	69.281
3.50	3.375	2.179	5.837	75.118
3.75	3.625	5.253	14.071	89.189
4.00	3.875	2.696	7.222	96.411
5.00	4.50	1.340	3.589	100.000

Statistical Results			
Mean:	2.3855	phi	(0.1914 mm)
Standard Dev:	1.1203	phi-units	(0.46 mm)
Skewness:	0.0509	dimensionless	
Kurtosis:	1.8891	dimensionless	
5th Moment:	-0.0132	dimensionless	
6th Moment:	4.8947	dimensionless	
RARD *	0.4697	dimensionless	
Median	2.0614	phi	(0.2396 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-06

