

Onshore Grab Sample

Sample: FK-03-BB
Sample Taken By: D. Phelps
Sample Collected On: 9/1/10
Splits? N/A

County: Franklin
Latitude: 29° 40' 5.5" N
Longitude: 85° 11' 32.5" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 71.449 grams
Total Fines in Sample 0.011 grams
Total Percent Fines 0.02 %

Dry Sieving Summary

Total Sample Weight 71.684 grams
Total Digested Weight 71.431 grams
Total Carbonate Weight 0.253 grams
Total Silica % 99.65 %
Total Carbonate % 0.35 %
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: 71.684 grams

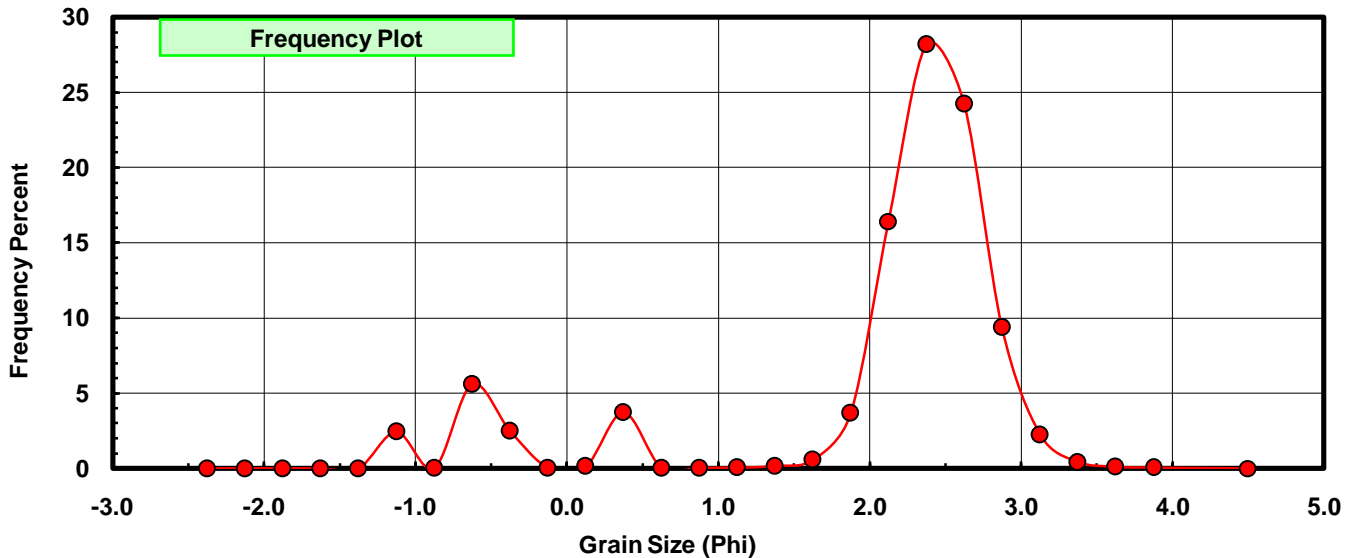
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	1.750	2.441	2.441
-0.75	-0.875	0.015	0.021	2.462
-0.50	-0.625	3.997	5.576	8.038
-0.25	-0.375	1.783	2.487	10.525
0.00	-0.125	0.023	0.032	10.557
0.25	0.125	0.098	0.137	10.694
0.50	0.375	2.662	3.714	14.408
0.75	0.625	0.019	0.027	14.434
1.00	0.875	0.025	0.035	14.469
1.25	1.125	0.041	0.057	14.526
1.50	1.375	0.115	0.160	14.687
1.75	1.625	0.413	0.576	15.263
2.00	1.875	2.632	3.672	18.934
2.25	2.125	11.774	16.425	35.359
2.50	2.375	20.198	28.176	63.536
2.75	2.625	17.372	24.234	87.770
3.00	2.875	6.739	9.401	97.171
3.25	3.125	1.609	2.245	99.415
3.50	3.375	0.304	0.424	99.840
3.75	3.625	0.069	0.096	99.936
4.00	3.875	0.045	0.063	99.999
5.00	4.50	0.001	0.001	100.000

Statistical Results			
Mean:	2.0388	phi	(0.2434 mm)
Standard Dev:	1.0662	phi-units	(0.4776 mm)
Skewness:	-1.8470	dimensionless	
Kurtosis:	5.1500	dimensionless	
5th Moment:	-13.0240	dimensionless	
6th Moment:	34.8576	dimensionless	
RARD *	0.5229	dimensionless	
Median	2.2549	phi	(0.2095 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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