

Onshore Grab Sample

Sample: FK-40-BB
Sample Taken By: D. Phelps
Sample Collected On: 10/11/10
Splits? N/A

County: Franklin
Latitude: 29° 45' 9.7" N
Longitude: 84° 42' 20.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 52.416 grams
Total Fines in Sample 0.003 grams
Total Percent Fines 0.01 %

Dry Sieving Summary

Total Sample Weight 52.567 grams
Total Digested Weight 52.234 grams
Total Carbonate Weight 0.333 grams
Total Silica % 99.37 %
Total Carbonate % 0.63 %
Carbonate/Silica Ratio 0.006

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: 52.567 grams

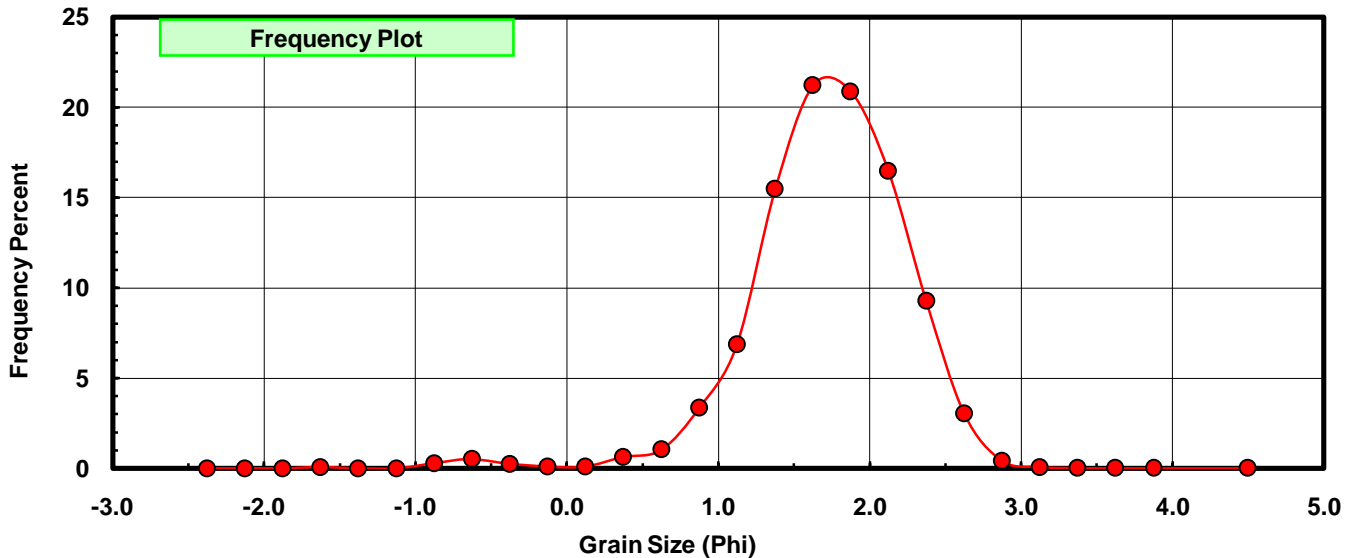
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.030	0.057	0.057
-1.25	-1.375	0.000	0.000	0.057
-1.00	-1.125	0.000	0.000	0.057
-0.75	-0.875	0.149	0.283	0.341
-0.50	-0.625	0.268	0.510	0.850
-0.25	-0.375	0.126	0.240	1.090
0.00	-0.125	0.048	0.091	1.181
0.25	0.125	0.054	0.103	1.284
0.50	0.375	0.335	0.637	1.921
0.75	0.625	0.544	1.035	2.956
1.00	0.875	1.754	3.337	6.293
1.25	1.125	3.605	6.858	13.151
1.50	1.375	8.134	15.474	28.624
1.75	1.625	11.148	21.207	49.832
2.00	1.875	10.973	20.874	70.706
2.25	2.125	8.650	16.455	87.161
2.50	2.375	4.869	9.262	96.424
2.75	2.625	1.603	3.049	99.473
3.00	2.875	0.219	0.417	99.890
3.25	3.125	0.037	0.070	99.960
3.50	3.375	0.009	0.017	99.977
3.75	3.625	0.007	0.013	99.990
4.00	3.875	0.003	0.006	99.996
5.00	4.50	0.002	0.004	100.000

Statistical Results			
Mean:	1.7218	phi	(0.3032 mm)
Standard Dev:	0.5220	phi-units	(0.6964 mm)
Skewness:	-1.2073	dimensionless	
Kurtosis:	7.4291	dimensionless	
5th Moment:	-28.2000	dimensionless	
6th Moment:	147.3577	dimensionless	
RARD *	0.3032	dimensionless	
Median	1.6270	phi	(0.3238 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)



FK-40-BB

