

Onshore Grab Sample

Sample: FK-47-BB
Sample Taken By: D. Phelps
Sample Collected On: 11/2/10
Splits? N/A

County: Franklin
Latitude: 29° 47' 50.6" N
Longitude: 84° 36' 17.2" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 49.839 grams
Total Fines in Sample 0.013 grams
Total Percent Fines 0.03 %

Dry Sieving Summary

Total Sample Weight 49.764 grams
Total Digested Weight 49.750 grams
Total Carbonate Weight 0.014 grams
Total Silica % 99.97 %
Total Carbonate % 0.03 %
Carbonate/Silica Ratio 0.000

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: 49.764 grams

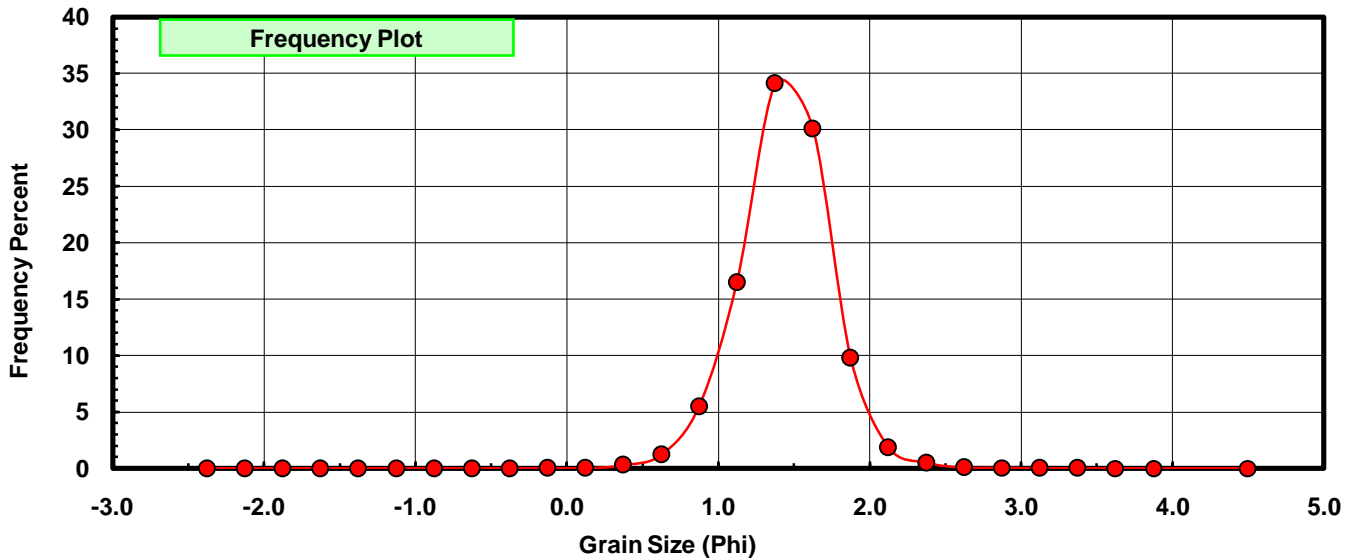
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.013	0.026	0.026
0.25	0.125	0.014	0.028	0.054
0.50	0.375	0.145	0.291	0.346
0.75	0.625	0.598	1.202	1.547
1.00	0.875	2.727	5.480	7.027
1.25	1.125	8.205	16.488	23.515
1.50	1.375	16.976	34.113	57.628
1.75	1.625	14.980	30.102	87.730
2.00	1.875	4.869	9.784	97.514
2.25	2.125	0.919	1.847	99.361
2.50	2.375	0.242	0.486	99.847
2.75	2.625	0.032	0.064	99.912
3.00	2.875	0.029	0.058	99.970
3.25	3.125	0.003	0.006	99.976
3.50	3.375	0.009	0.018	99.994
3.75	3.625	0.001	0.002	99.996
4.00	3.875	0.001	0.002	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.4389	phi	(0.3688 mm)
Standard Dev:	0.3077	phi-units	(0.8079 mm)
Skewness:	-0.0404	dimensionless	
Kurtosis:	4.5511	dimensionless	
5th Moment:	4.2217	dimensionless	
6th Moment:	73.9439	dimensionless	
RARD *	0.2139	dimensionless	
Median	1.3191	phi	(0.4008 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-47-BB

