

Onshore Grab Sample

Sample: FK-13-BB
Sample Taken By: D. Phelps
Sample Collected On: 9/3/10
Splits? N/A

County: Franklin
Latitude: 29° 36' 25.8" N
Longitude: 85° 4' 15.8" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	83.919 grams
Total Fines in Sample	0.037 grams
Total Percent Fines	0.04 %

Dry Sieving Summary

Total Sample Weight	83.800 grams
Total Digested Weight	83.199 grams
Total Carbonate Weight	0.601 grams
Total Silica %	99.28 %
Total Carbonate %	0.72 %
Carbonate/Silica Ratio	0.007

General Comments:

Not Enough Carbonate Material to do Post-Digestion Analysis

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

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Total Sample Mass: 83.800 grams

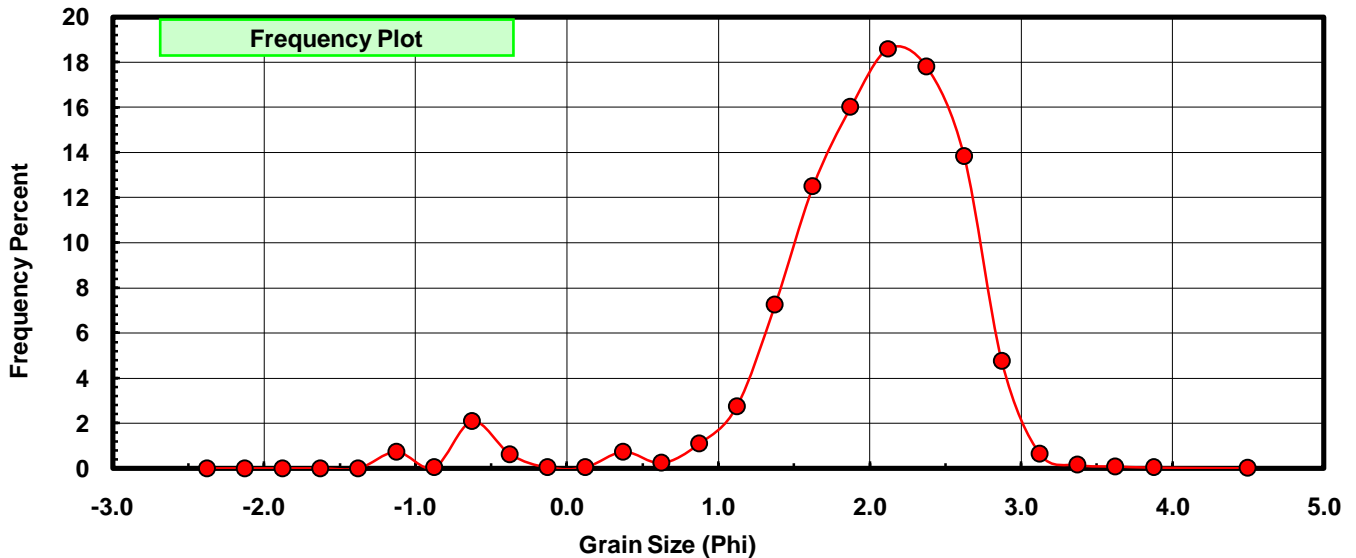
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.609	0.727	0.727
-0.75	-0.875	0.028	0.033	0.760
-0.50	-0.625	1.741	2.078	2.838
-0.25	-0.375	0.513	0.612	3.450
0.00	-0.125	0.036	0.043	3.493
0.25	0.125	0.037	0.044	3.537
0.50	0.375	0.609	0.727	4.264
0.75	0.625	0.194	0.232	4.495
1.00	0.875	0.916	1.093	5.588
1.25	1.125	2.301	2.746	8.334
1.50	1.375	6.076	7.251	15.585
1.75	1.625	10.470	12.494	28.079
2.00	1.875	13.408	16.000	44.079
2.25	2.125	15.594	18.609	62.687
2.50	2.375	14.923	17.808	80.495
2.75	2.625	11.600	13.842	94.338
3.00	2.875	3.982	4.752	99.089
3.25	3.125	0.529	0.631	99.721
3.50	3.375	0.127	0.152	99.872
3.75	3.625	0.069	0.082	99.955
4.00	3.875	0.033	0.039	99.994
5.00	4.50	0.005	0.006	100.000

Statistical Results			
Mean:	1.9716	phi	(0.255 mm)
Standard Dev:	0.7072	phi-units	(0.6125 mm)
Skewness:	-1.8682	dimensionless	
Kurtosis:	8.1825	dimensionless	
5th Moment:	-29.0321	dimensionless	
6th Moment:	115.8095	dimensionless	
RARD *	0.3587	dimensionless	
Median	1.9545	phi	(0.258 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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