

Onshore Grab Sample

Sample: FK-17-BB
Sample Taken By: D. Phelps
Sample Collected On: 9/3/10
Splits? N/A

County: Franklin
Latitude: 29° 35' 42.6" N
Longitude: 85° 1' 2.3" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	96.665 grams
Total Fines in Sample	0.006 grams
Total Percent Fines	0.01 %

Dry Sieving Summary

Total Sample Weight	96.719 grams
Total Digested Weight	95.526 grams
Total Carbonate Weight	1.193 grams
Total Silica %	98.77 %
Total Carbonate %	1.23 %
Carbonate/Silica Ratio	0.012

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: 96.719 grams

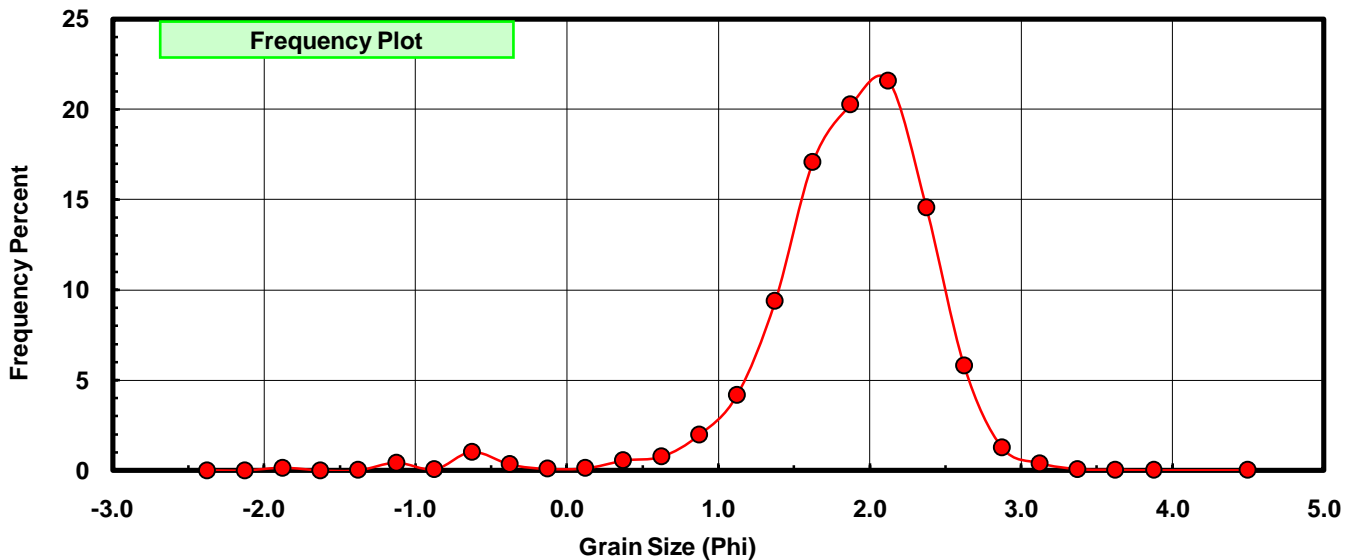
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.122	0.126	0.126
-1.50	-1.625	0.000	0.000	0.126
-1.25	-1.375	0.011	0.011	0.138
-1.00	-1.125	0.407	0.421	0.558
-0.75	-0.875	0.052	0.054	0.612
-0.50	-0.625	0.995	1.029	1.641
-0.25	-0.375	0.312	0.323	1.963
0.00	-0.125	0.082	0.085	2.048
0.25	0.125	0.105	0.109	2.157
0.50	0.375	0.525	0.543	2.700
0.75	0.625	0.733	0.758	3.457
1.00	0.875	1.891	1.955	5.413
1.25	1.125	4.022	4.158	9.571
1.50	1.375	9.069	9.377	18.948
1.75	1.625	16.530	17.091	36.038
2.00	1.875	19.594	20.259	56.297
2.25	2.125	20.873	21.581	77.878
2.50	2.375	14.085	14.563	92.441
2.75	2.625	5.610	5.800	98.241
3.00	2.875	1.235	1.277	99.518
3.25	3.125	0.373	0.386	99.904
3.50	3.375	0.056	0.058	99.962
3.75	3.625	0.022	0.023	99.984
4.00	3.875	0.013	0.013	99.998
5.00	4.50	0.002	0.002	100.000

Statistical Results			
Mean:	1.8507	phi	(0.2773 mm)
Standard Dev:	0.5970	phi-units	(0.6611 mm)
Skewness:	-1.8672	dimensionless	
Kurtosis:	9.9136	dimensionless	
5th Moment:	-42.6887	dimensionless	
6th Moment:	215.7145	dimensionless	
RARD *	0.3226	dimensionless	
Median	1.7973	phi	(0.2877 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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