

Onshore Grab Sample

Sample: FK-08
Sample Taken By: D. Phelps
Sample Collected On: 9/1/10
Splits? N/A

County: Franklin
Latitude: 29° 37' 57.7" N
Longitude: 85° 8' 11.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	73.593 grams
Total Fines in Sample	0.012 grams
Total Percent Fines	0.02 %

Dry Sieving Summary

Total Sample Weight	73.678 grams
Total Digested Weight	73.336 grams
Total Carbonate Weight	0.342 grams
Total Silica %	99.54 %
Total Carbonate %	0.46 %
Carbonate/Silica Ratio	0.005

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: 73.678 grams

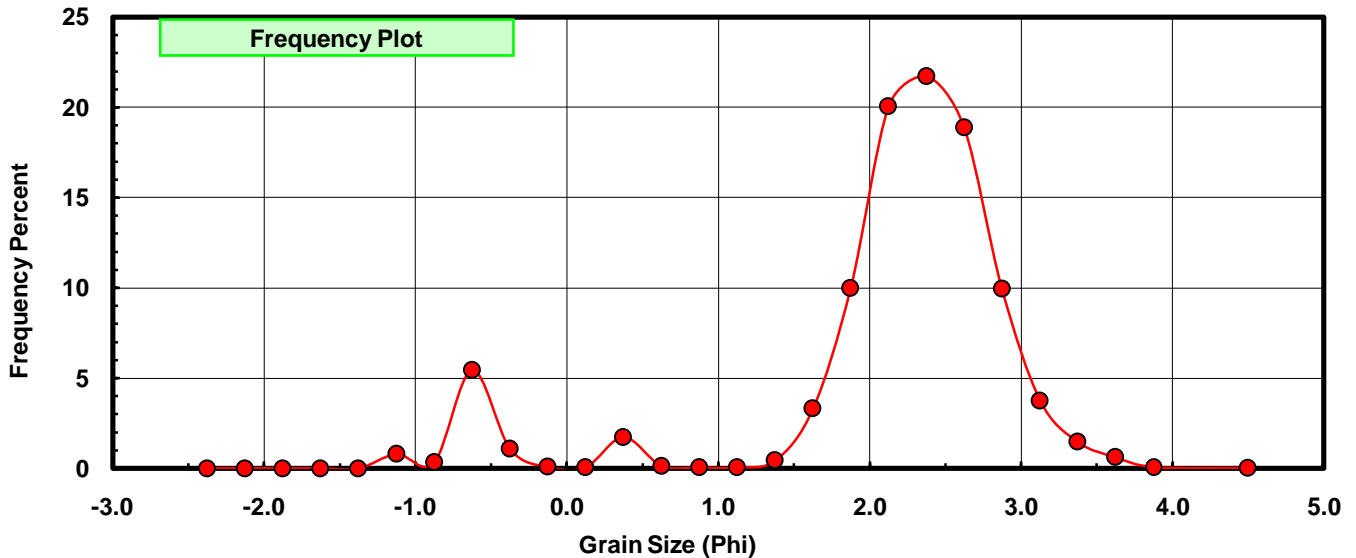
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.576	0.782	0.782
-0.75	-0.875	0.241	0.327	1.109
-0.50	-0.625	4.003	5.433	6.542
-0.25	-0.375	0.797	1.082	7.624
0.00	-0.125	0.058	0.079	7.702
0.25	0.125	0.043	0.058	7.761
0.50	0.375	1.279	1.736	9.497
0.75	0.625	0.103	0.140	9.637
1.00	0.875	0.033	0.045	9.681
1.25	1.125	0.037	0.050	9.732
1.50	1.375	0.315	0.428	10.159
1.75	1.625	2.436	3.306	13.465
2.00	1.875	7.367	9.999	23.464
2.25	2.125	14.773	20.051	43.515
2.50	2.375	16.014	21.735	65.250
2.75	2.625	13.920	18.893	84.143
3.00	2.875	7.337	9.958	94.101
3.25	3.125	2.761	3.747	97.849
3.50	3.375	1.083	1.470	99.319
3.75	3.625	0.453	0.615	99.933
4.00	3.875	0.043	0.058	99.992
5.00	4.50	0.006	0.008	100.000

Statistical Results			
Mean:	2.1219	phi	(0.2297 mm)
Standard Dev:	0.9362	phi-units	(0.5226 mm)
Skewness:	-1.9861	dimensionless	
Kurtosis:	6.6091	dimensionless	
5th Moment:	-18.8055	dimensionless	
6th Moment:	57.7529	dimensionless	
RARD *	0.4412	dimensionless	
Median	2.1996	phi	(0.2177 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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