

Onshore Grab Sample

Sample: FK-06
Sample Taken By: D. Phelps
Sample Collected On: 9/1/10
Splits? N/A

County: Franklin
Latitude: 29° 38' 42.3" N
Longitude: 85° 9' 12.6" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	65.815 grams
Total Fines in Sample	0.014 grams
Total Percent Fines	0.02 %

Dry Sieving Summary

Total Sample Weight	65.630 grams
Total Digested Weight	64.463 grams
Total Carbonate Weight	1.167 grams
Total Silica %	98.22 %
Total Carbonate %	1.78 %
Carbonate/Silica Ratio	0.018

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: 65.630 grams

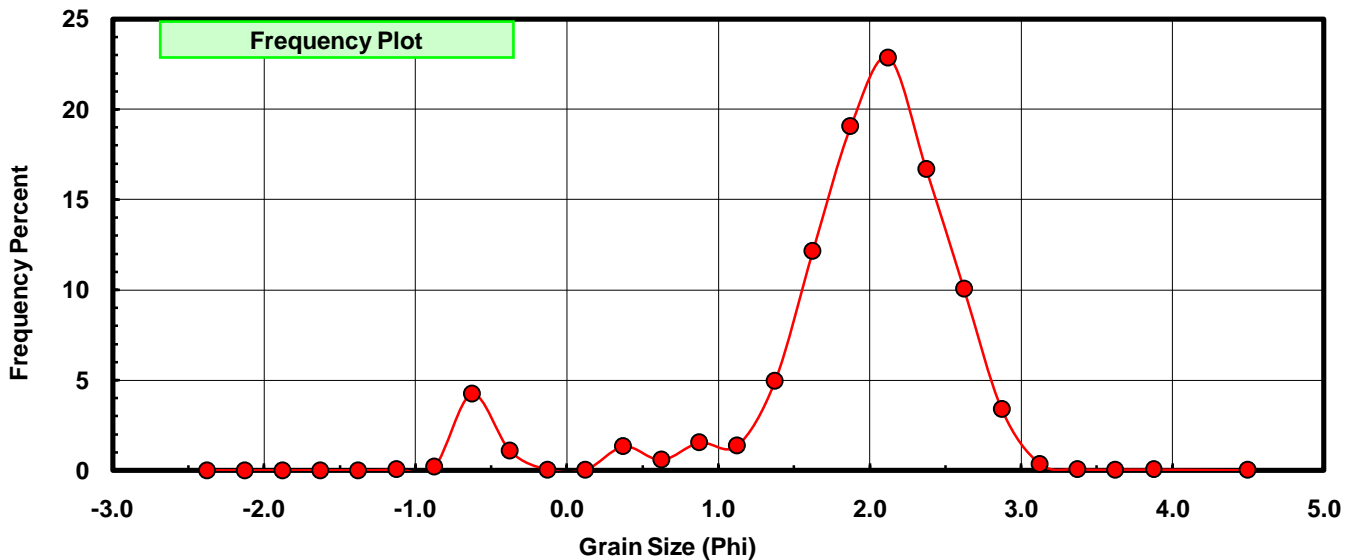
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.036	0.055	0.055
-0.75	-0.875	0.127	0.194	0.248
-0.50	-0.625	2.773	4.225	4.474
-0.25	-0.375	0.709	1.080	5.554
0.00	-0.125	0.020	0.030	5.584
0.25	0.125	0.015	0.023	5.607
0.50	0.375	0.864	1.316	6.924
0.75	0.625	0.384	0.585	7.509
1.00	0.875	1.005	1.531	9.040
1.25	1.125	0.887	1.352	10.392
1.50	1.375	3.256	4.961	15.353
1.75	1.625	7.975	12.151	27.504
2.00	1.875	12.501	19.048	46.552
2.25	2.125	14.999	22.854	69.406
2.50	2.375	10.940	16.669	86.075
2.75	2.625	6.591	10.043	96.118
3.00	2.875	2.222	3.386	99.503
3.25	3.125	0.228	0.347	99.851
3.50	3.375	0.044	0.067	99.918
3.75	3.625	0.022	0.034	99.951
4.00	3.875	0.027	0.041	99.992
5.00	4.50	0.005	0.008	100.000

Statistical Results			
Mean:	1.8860	phi	(0.2706 mm)
Standard Dev:	0.7663	phi-units	(0.5879 mm)
Skewness:	-1.8729	dimensionless	
Kurtosis:	6.8676	dimensionless	
5th Moment:	-20.5954	dimensionless	
6th Moment:	68.4963	dimensionless	
RARD *	0.4063	dimensionless	
Median	1.9127	phi	(0.2656 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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