

Onshore Grab Sample

Sample: FK-46-BB
Sample Taken By: D. Phelps
Sample Collected On: 11/2/10
Splits? N/A

County: Franklin
Latitude: 29° 47' 29.1" N
Longitude: 84° 37' 7.1" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 48.778 grams
Total Fines in Sample 0.004 grams
Total Percent Fines 0.01 %

Dry Sieving Summary

Total Sample Weight 48.755 grams
Total Digested Weight 48.737 grams
Total Carbonate Weight 0.018 grams
Total Silica % 99.96 %
Total Carbonate % 0.04 %
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: 48.755 grams

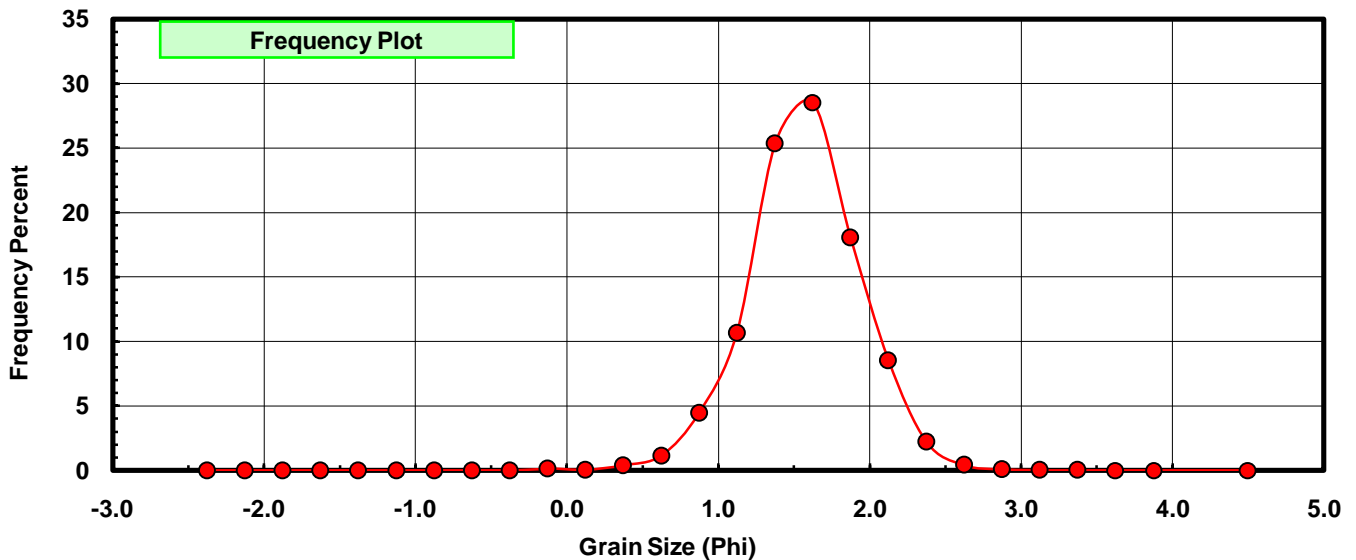
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.060	0.123	0.123
0.25	0.125	0.021	0.043	0.166
0.50	0.375	0.187	0.384	0.550
0.75	0.625	0.556	1.140	1.690
1.00	0.875	2.170	4.451	6.141
1.25	1.125	5.199	10.664	16.804
1.50	1.375	12.358	25.347	42.152
1.75	1.625	13.917	28.545	70.696
2.00	1.875	8.787	18.023	88.719
2.25	2.125	4.159	8.530	97.250
2.50	2.375	1.081	2.217	99.467
2.75	2.625	0.200	0.410	99.877
3.00	2.875	0.038	0.078	99.955
3.25	3.125	0.011	0.023	99.977
3.50	3.375	0.008	0.016	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:	1.5661	phi	(0.3377 mm)
Standard Dev:	0.3753	phi-units	(0.771 mm)
Skewness:	-0.1440	dimensionless	
Kurtosis:	3.8901	dimensionless	
5th Moment:	-1.7925	dimensionless	
6th Moment:	37.4840	dimensionless	
RARD *	0.2396	dimensionless	
Median	1.4437	phi	(0.3676 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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