

Onshore Grab Sample

Sample: FK-50-BB
Sample Taken By: D. Phelps
Sample Collected On: 11/2/10
Splits? N/A

County: Franklin
Latitude: 29° 49' 16.8" N
Longitude: 84° 34' 17.2" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	45.207 grams
Total Fines in Sample	0.007 grams
Total Percent Fines	0.02 %

Dry Sieving Summary

Total Sample Weight	45.145 grams
Total Digested Weight	45.108 grams
Total Carbonate Weight	0.037 grams
Total Silica %	99.92 %
Total Carbonate %	0.08 %
Carbonate/Silica Ratio	0.001

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: 45.145 grams

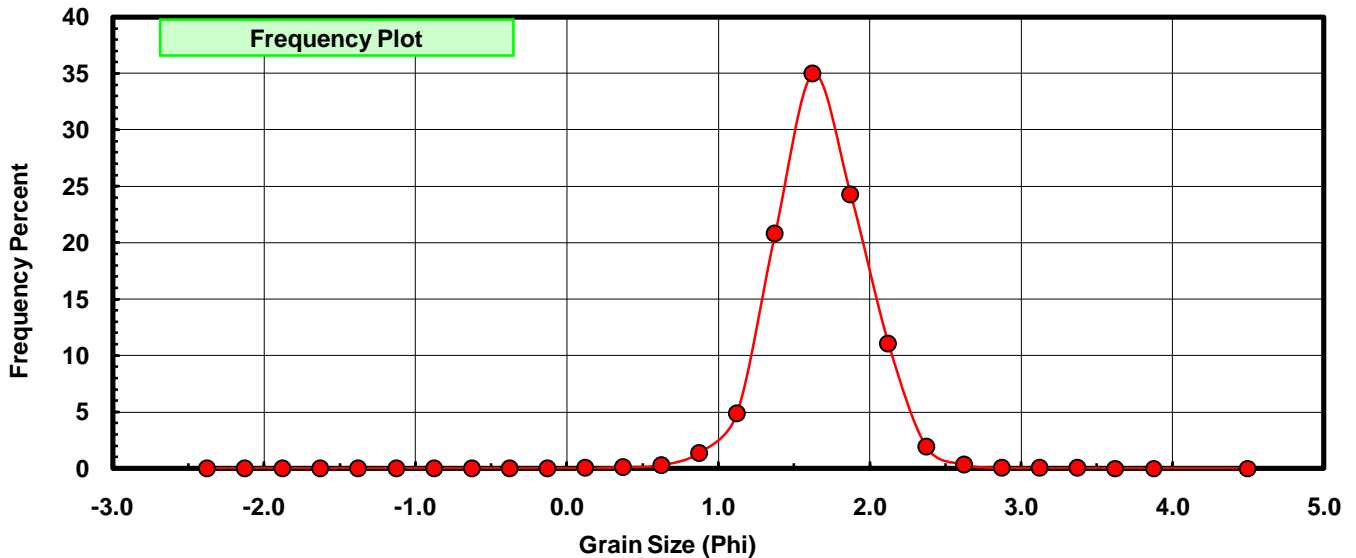
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.011	0.024	0.024
0.50	0.375	0.045	0.100	0.124
0.75	0.625	0.118	0.261	0.385
1.00	0.875	0.608	1.347	1.732
1.25	1.125	2.189	4.849	6.581
1.50	1.375	9.398	20.817	27.398
1.75	1.625	15.782	34.958	62.357
2.00	1.875	10.956	24.268	86.625
2.25	2.125	4.984	11.040	97.665
2.50	2.375	0.861	1.907	99.572
2.75	2.625	0.151	0.334	99.907
3.00	2.875	0.023	0.051	99.958
3.25	3.125	0.009	0.020	99.978
3.50	3.375	0.007	0.016	99.993
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:	1.6693	phi	(0.3144 mm)
Standard Dev:	0.3107	phi-units	(0.8062 mm)
Skewness:	-0.0193	dimensionless	
Kurtosis:	4.0307	dimensionless	
5th Moment:	1.0181	dimensionless	
6th Moment:	50.6056	dimensionless	
RARD *	0.1861	dimensionless	
Median	1.5366	phi	(0.3447 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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