

Onshore Grab Sample

Sample: FK-12-BB
Sample Taken By: D. Phelps
Sample Collected On: 9/3/10
Splits? N/A

County: Franklin
Latitude: 29° 36' 55.9" N
Longitude: 85° 5' 4.3" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 87.574 grams
Total Fines in Sample 0.020 grams
Total Percent Fines 0.02 %

Dry Sieving Summary

Total Sample Weight 87.430 grams
Total Digested Weight 87.147 grams
Total Carbonate Weight 0.283 grams
Total Silica % 99.68 %
Total Carbonate % 0.32 %
Carbonate/Silica Ratio 0.003

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: 87.430 grams

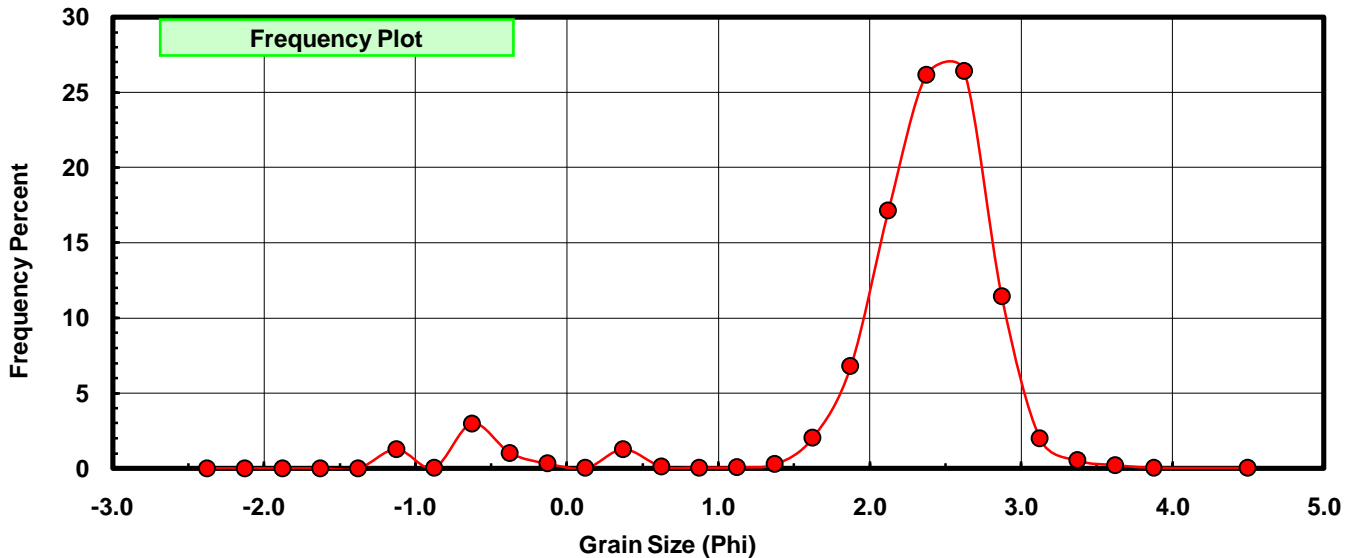
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	1.104	1.263	1.263
-0.75	-0.875	0.030	0.034	1.297
-0.50	-0.625	2.601	2.975	4.272
-0.25	-0.375	0.881	1.008	5.280
0.00	-0.125	0.272	0.311	5.591
0.25	0.125	0.014	0.016	5.607
0.50	0.375	1.106	1.265	6.872
0.75	0.625	0.103	0.118	6.990
1.00	0.875	0.035	0.040	7.030
1.25	1.125	0.055	0.063	7.093
1.50	1.375	0.239	0.273	7.366
1.75	1.625	1.772	2.027	9.393
2.00	1.875	5.918	6.769	16.162
2.25	2.125	14.984	17.138	33.300
2.50	2.375	22.877	26.166	59.466
2.75	2.625	23.092	26.412	85.878
3.00	2.875	9.972	11.406	97.284
3.25	3.125	1.715	1.962	99.245
3.50	3.375	0.449	0.514	99.759
3.75	3.625	0.181	0.207	99.966
4.00	3.875	0.023	0.026	99.992
5.00	4.50	0.007	0.008	100.000

Statistical Results			
Mean:	2.2273	phi	(0.2136 mm)
Standard Dev:	0.8195	phi-units	(0.5666 mm)
Skewness:	-2.5987	dimensionless	
Kurtosis:	9.8238	dimensionless	
5th Moment:	-34.8402	dimensionless	
6th Moment:	128.6088	dimensionless	
RARD *	0.3679	dimensionless	
Median	2.2846	phi	(0.2052 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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