

Onshore Grab Sample

Sample: FK-04-BB
Sample Taken By: D. Phelps
Sample Collected On: 9/1/10
Splits? N/A

County: Franklin
Latitude: 29° 39' 41" N
Longitude: 85° 10' 42.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 76.112 grams
Total Fines in Sample 0.007 grams
Total Percent Fines 0.01 %

Dry Sieving Summary

Total Sample Weight 75.846 grams
Total Digested Weight 74.995 grams
Total Carbonate Weight 0.851 grams
Total Silica % 98.88 %
Total Carbonate % 1.12 %
Carbonate/Silica Ratio 0.011

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: 75.846 grams

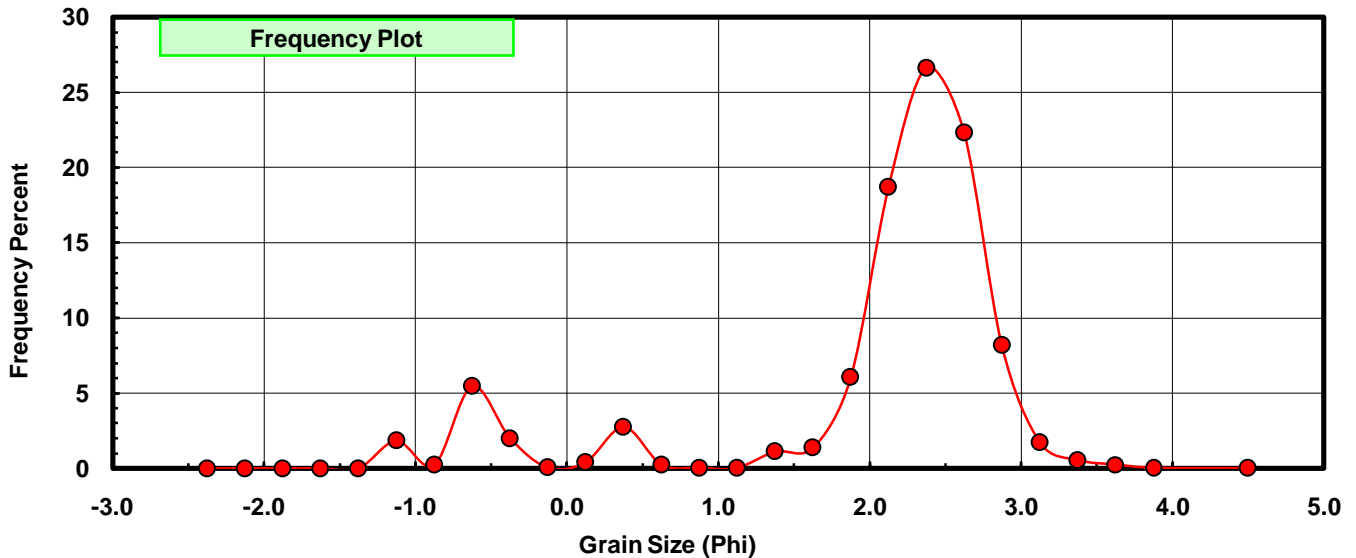
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	1.401	1.847	1.847
-0.75	-0.875	0.166	0.219	2.066
-0.50	-0.625	4.147	5.468	7.534
-0.25	-0.375	1.507	1.987	9.521
0.00	-0.125	0.042	0.055	9.576
0.25	0.125	0.321	0.423	9.999
0.50	0.375	2.086	2.750	12.750
0.75	0.625	0.181	0.239	12.988
1.00	0.875	0.028	0.037	13.025
1.25	1.125	0.024	0.032	13.057
1.50	1.375	0.848	1.118	14.175
1.75	1.625	1.042	1.374	15.549
2.00	1.875	4.587	6.048	21.596
2.25	2.125	14.182	18.698	40.295
2.50	2.375	20.201	26.634	66.929
2.75	2.625	16.928	22.319	89.248
3.00	2.875	6.213	8.192	97.440
3.25	3.125	1.306	1.722	99.161
3.50	3.375	0.415	0.547	99.709
3.75	3.625	0.195	0.257	99.966
4.00	3.875	0.023	0.030	99.996
5.00	4.50	0.003	0.004	100.000

Statistical Results			
Mean:	2.0340	phi	(0.2442 mm)
Standard Dev:	1.0162	phi-units	(0.4944 mm)
Skewness:	-1.8927	dimensionless	
Kurtosis:	5.5324	dimensionless	
5th Moment:	-14.4924	dimensionless	
6th Moment:	40.3898	dimensionless	
RARD *	0.4996	dimensionless	
Median	2.2161	phi	(0.2152 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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