

Onshore Grab Sample

Sample: FK-39-BB
Sample Taken By: D. Phelps
Sample Collected On: 10/11/10
Splits? N/A

County: Franklin
Latitude: 29° 44' 32.5" N
Longitude: 84° 43' 0.1" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 50.504 grams
Total Fines in Sample 0.009 grams
Total Percent Fines 0.02 %

Dry Sieving Summary

Total Sample Weight 50.321 grams
Total Digested Weight 50.204 grams
Total Carbonate Weight 0.117 grams
Total Silica % 99.77 %
Total Carbonate % 0.23 %
Carbonate/Silica Ratio 0.002

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: 50.321 grams

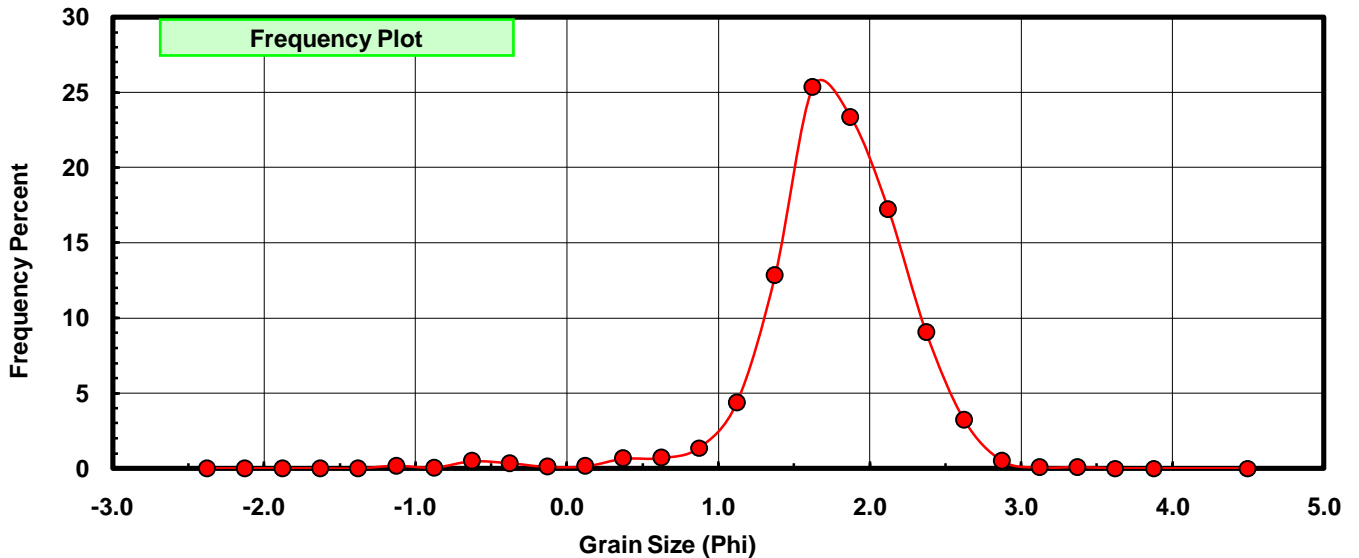
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.085	0.169	0.169
-0.75	-0.875	0.021	0.042	0.211
-0.50	-0.625	0.243	0.483	0.694
-0.25	-0.375	0.165	0.328	1.021
0.00	-0.125	0.053	0.105	1.127
0.25	0.125	0.075	0.149	1.276
0.50	0.375	0.327	0.650	1.926
0.75	0.625	0.349	0.694	2.619
1.00	0.875	0.686	1.363	3.982
1.25	1.125	2.196	4.364	8.346
1.50	1.375	6.466	12.850	21.196
1.75	1.625	12.760	25.357	46.553
2.00	1.875	11.746	23.342	69.895
2.25	2.125	8.653	17.196	87.091
2.50	2.375	4.550	9.042	96.133
2.75	2.625	1.623	3.225	99.358
3.00	2.875	0.252	0.501	99.859
3.25	3.125	0.028	0.056	99.915
3.50	3.375	0.040	0.079	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:	1.7716	phi	(0.2929 mm)
Standard Dev:	0.4889	phi-units	(0.7126 mm)
Skewness:	-1.3994	dimensionless	
Kurtosis:	8.8829	dimensionless	
5th Moment:	-36.1611	dimensionless	
6th Moment:	193.0806	dimensionless	
RARD *	0.2760	dimensionless	
Median	1.6619	phi	(0.316 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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