

Onshore Grab Sample

Sample: FK-27-BB
Sample Taken By: D. Phelps
Sample Collected On: 10/11/10
Splits? N/A

County: Franklin
Latitude: 29° 39' 10" N
Longitude: 84° 53' 1.6" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 61.232 grams
Total Fines in Sample 0.021 grams
Total Percent Fines 0.03 %

Dry Sieving Summary

Total Sample Weight 61.181 grams
Total Digested Weight 60.110 grams
Total Carbonate Weight 1.071 grams
Total Silica % 98.25 %
Total Carbonate % 1.75 %
Carbonate/Silica Ratio 0.018

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: 61.181 grams

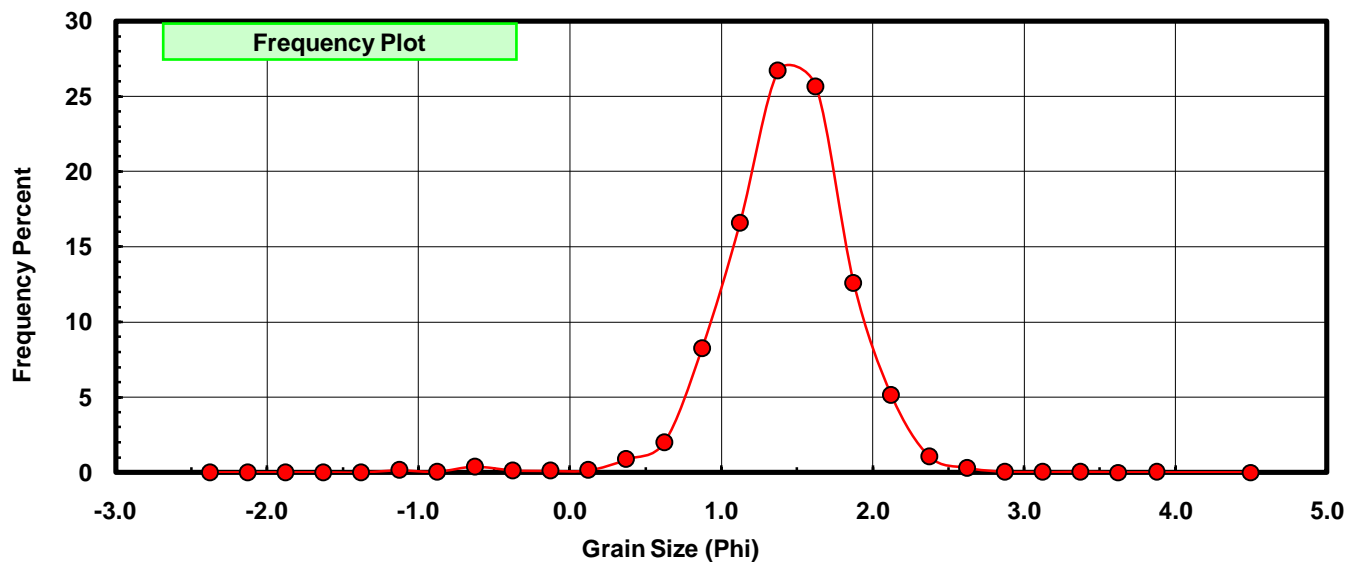
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.084	0.137	0.137
-0.75	-0.875	0.021	0.034	0.172
-0.50	-0.625	0.226	0.369	0.541
-0.25	-0.375	0.077	0.126	0.667
0.00	-0.125	0.057	0.093	0.760
0.25	0.125	0.084	0.137	0.897
0.50	0.375	0.525	0.858	1.755
0.75	0.625	1.212	1.982	3.737
1.00	0.875	5.046	8.248	11.985
1.25	1.125	10.133	16.562	28.547
1.50	1.375	16.328	26.688	55.235
1.75	1.625	15.687	25.640	80.875
2.00	1.875	7.695	12.577	93.452
2.25	2.125	3.133	5.121	98.573
2.50	2.375	0.643	1.051	99.624
2.75	2.625	0.177	0.289	99.913
3.00	2.875	0.024	0.039	99.953
3.25	3.125	0.008	0.013	99.966
3.50	3.375	0.016	0.026	99.992
3.75	3.625	0.001	0.002	99.993
4.00	3.875	0.003	0.005	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.4331	phi	(0.3703 mm)
Standard Dev:	0.4214	phi-units	(0.7467 mm)
Skewness:	-0.8815	dimensionless	
Kurtosis:	7.3329	dimensionless	
5th Moment:	-24.8158	dimensionless	
6th Moment:	157.9453	dimensionless	
RARD *	0.2941	dimensionless	
Median	1.3260	phi	(0.3989 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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