

Onshore Grab Sample

Sample: FK-33-BB
Sample Taken By: D. Phelps
Sample Collected On: 10/11/10
Splits? N/A

County: Franklin
Latitude: 29° 41' 6.9" N
Longitude: 84° 47' 30.6" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 56.005 grams
Total Fines in Sample 0.047 grams
Total Percent Fines 0.08 %

Dry Sieving Summary

Total Sample Weight 55.756 grams
Total Digested Weight 55.574 grams
Total Carbonate Weight 0.182 grams
Total Silica % 99.67 %
Total Carbonate % 0.33 %
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: 55.756 grams

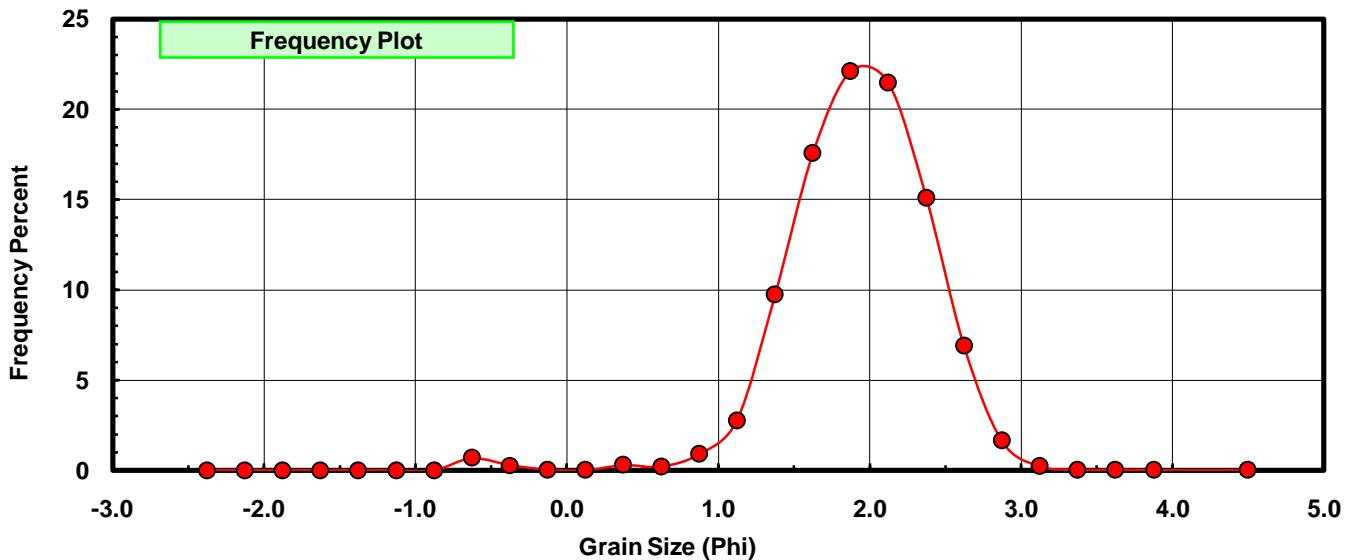
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.378	0.678	0.678
-0.25	-0.375	0.159	0.285	0.963
0.00	-0.125	0.016	0.029	0.992
0.25	0.125	0.010	0.018	1.010
0.50	0.375	0.164	0.294	1.304
0.75	0.625	0.111	0.199	1.503
1.00	0.875	0.500	0.897	2.400
1.25	1.125	1.541	2.764	5.164
1.50	1.375	5.437	9.751	14.915
1.75	1.625	9.805	17.586	32.501
2.00	1.875	12.333	22.120	54.620
2.25	2.125	11.968	21.465	76.085
2.50	2.375	8.419	15.100	91.185
2.75	2.625	3.838	6.884	98.068
3.00	2.875	0.915	1.641	99.709
3.25	3.125	0.124	0.222	99.932
3.50	3.375	0.015	0.027	99.959
3.75	3.625	0.013	0.023	99.982
4.00	3.875	0.009	0.016	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.9226	phi	(0.2638 mm)
Standard Dev:	0.4920	phi-units	(0.711 mm)
Skewness:	-1.2766	dimensionless	
Kurtosis:	8.2464	dimensionless	
5th Moment:	-33.1288	dimensionless	
6th Moment:	173.9496	dimensionless	
RARD *	0.2559	dimensionless	
Median	1.8228	phi	(0.2827 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)



FK-33-BB

