

Onshore Grab Sample

Sample: FK-32-BB
Sample Taken By: D. Phelps
Sample Collected On: 10/11/10
Splits? N/A

County: Franklin
Latitude: 29° 40' 46.6" N
Longitude: 84° 48' 21.5" 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 68.545 grams
Total Digested Weight 67.201 grams
Total Carbonate Weight 1.344 grams
Total Silica % 98.04 %
Total Carbonate % 1.96 %
Carbonate/Silica Ratio 0.020

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: 68.545 grams

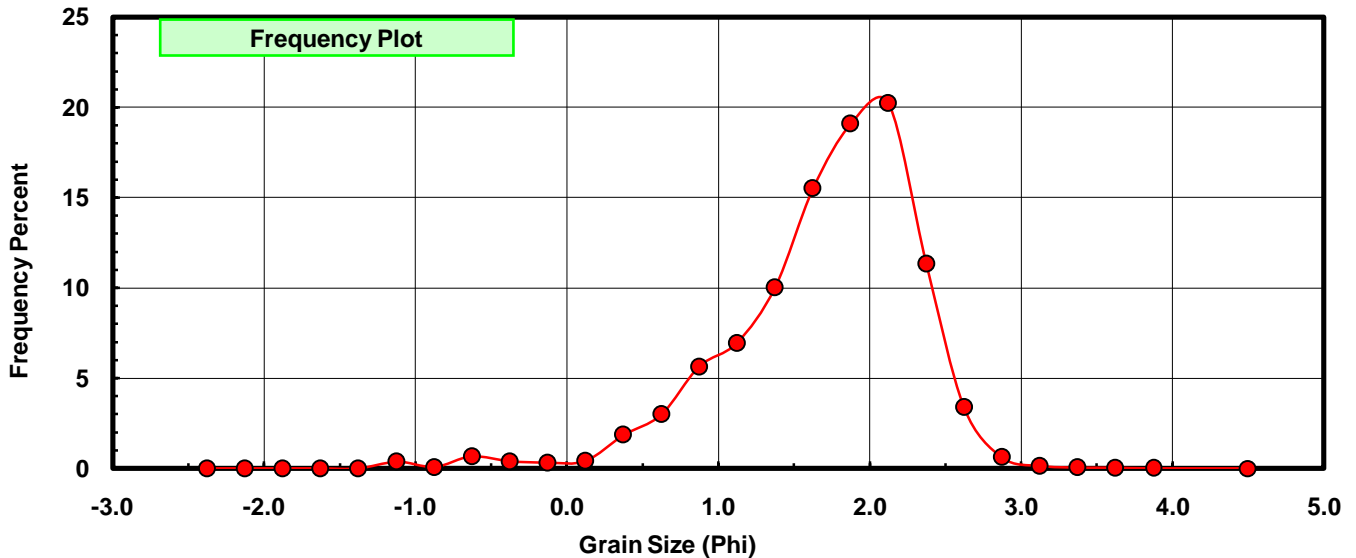
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.252	0.368	0.368
-0.75	-0.875	0.048	0.070	0.438
-0.50	-0.625	0.451	0.658	1.096
-0.25	-0.375	0.265	0.387	1.482
0.00	-0.125	0.216	0.315	1.797
0.25	0.125	0.286	0.417	2.215
0.50	0.375	1.269	1.851	4.066
0.75	0.625	2.046	2.985	7.051
1.00	0.875	3.864	5.637	12.688
1.25	1.125	4.754	6.936	19.624
1.50	1.375	6.875	10.030	29.654
1.75	1.625	10.631	15.510	45.163
2.00	1.875	13.088	19.094	64.257
2.25	2.125	13.862	20.223	84.480
2.50	2.375	7.768	11.333	95.813
2.75	2.625	2.311	3.372	99.184
3.00	2.875	0.421	0.614	99.799
3.25	3.125	0.090	0.131	99.930
3.50	3.375	0.028	0.041	99.971
3.75	3.625	0.016	0.023	99.994
4.00	3.875	0.003	0.004	99.999
5.00	4.50	0.001	0.001	100.000

Statistical Results			
Mean:	1.7023	phi	(0.3073 mm)
Standard Dev:	0.6235	phi-units	(0.6491 mm)
Skewness:	-1.1825	dimensionless	
Kurtosis:	5.3991	dimensionless	
5th Moment:	-16.3168	dimensionless	
6th Moment:	67.0147	dimensionless	
RARD *	0.3663	dimensionless	
Median	1.6883	phi	(0.3103 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-32-BB

