

Onshore Grab Sample

Sample: FK-26-BB
Sample Taken By: D. Phelps
Sample Collected On: 10/11/10
Splits? N/A

County: Franklin
Latitude: 29° 38' 41.3" N
Longitude: 84° 53' 53.8" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 59.772 grams
Total Fines in Sample 0.011 grams
Total Percent Fines 0.02 %

Dry Sieving Summary

Total Sample Weight 59.684 grams
Total Digested Weight 148.116 grams
Total Carbonate Weight -88.432 grams
Total Silica % 248.17 %
Total Carbonate % -148.17 %
Carbonate/Silica Ratio -0.597

General Comments:

Not Enough Carbonate Material to do Post-Digestion Analysis

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: FK-26-BB

Total Sample Mass: 59.684 grams

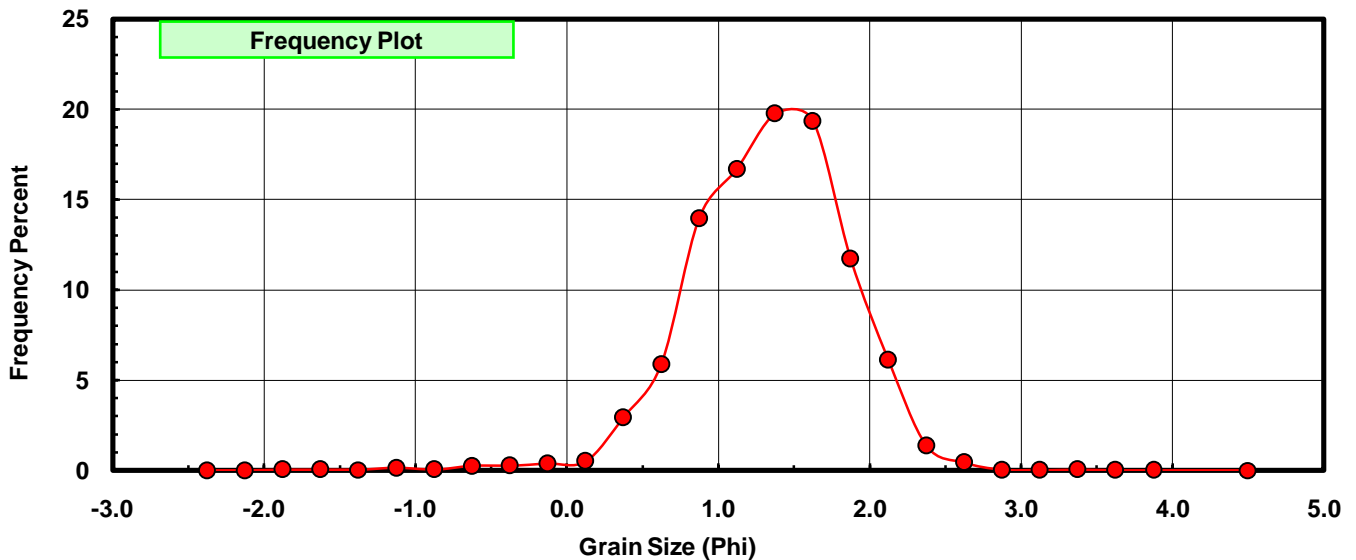
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.025	0.042	0.042
-1.50	-1.625	0.026	0.044	0.085
-1.25	-1.375	0.022	0.037	0.122
-1.00	-1.125	0.078	0.131	0.253
-0.75	-0.875	0.026	0.044	0.297
-0.50	-0.625	0.146	0.245	0.541
-0.25	-0.375	0.159	0.266	0.808
0.00	-0.125	0.231	0.387	1.195
0.25	0.125	0.304	0.509	1.704
0.50	0.375	1.753	2.937	4.641
0.75	0.625	3.506	5.874	10.515
1.00	0.875	8.329	13.955	24.471
1.25	1.125	9.963	16.693	41.163
1.50	1.375	11.790	19.754	60.917
1.75	1.625	11.551	19.354	80.271
2.00	1.875	6.991	11.713	91.984
2.25	2.125	3.650	6.116	98.100
2.50	2.375	0.817	1.369	99.469
2.75	2.625	0.258	0.432	99.901
3.00	2.875	0.019	0.032	99.933
3.25	3.125	0.010	0.017	99.950
3.50	3.375	0.023	0.039	99.988
3.75	3.625	0.003	0.005	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:	1.3341	phi	(0.3966 mm)
Standard Dev:	0.5161	phi-units	(0.6993 mm)
Skewness:	-0.6330	dimensionless	
Kurtosis:	5.2757	dimensionless	
5th Moment:	-14.7447	dimensionless	
6th Moment:	89.1016	dimensionless	
RARD *	0.3868	dimensionless	
Median	1.2368	phi	(0.4243 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-26-BB

