

Onshore Grab Sample

Sample: FK-49-BB
Sample Taken By: D. Phelps
Sample Collected On: 11/2/10
Splits? N/A

County: Franklin
Latitude: 29° 48' 34.8" N
Longitude: 84° 34' 39.9" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 42.631 grams
Total Fines in Sample 0.013 grams
Total Percent Fines 0.03 %

Dry Sieving Summary

Total Sample Weight 42.663 grams
Total Digested Weight 42.574 grams
Total Carbonate Weight 0.089 grams
Total Silica % 99.79 %
Total Carbonate % 0.21 %
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: 42.663 grams

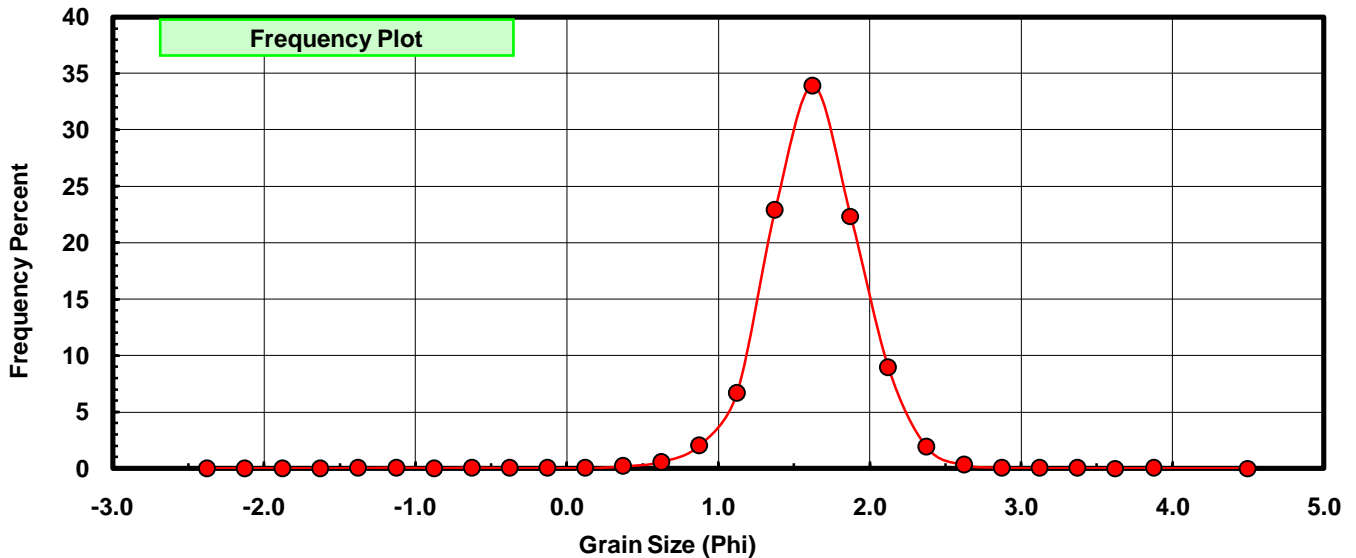
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.010	0.023	0.023
-1.00	-1.125	0.022	0.052	0.075
-0.75	-0.875	0.000	0.000	0.075
-0.50	-0.625	0.018	0.042	0.117
-0.25	-0.375	0.007	0.016	0.134
0.00	-0.125	0.009	0.021	0.155
0.25	0.125	0.008	0.019	0.173
0.50	0.375	0.079	0.185	0.359
0.75	0.625	0.235	0.551	0.909
1.00	0.875	0.860	2.016	2.925
1.25	1.125	2.839	6.654	9.580
1.50	1.375	9.769	22.898	32.478
1.75	1.625	14.464	33.903	66.381
2.00	1.875	9.537	22.354	88.735
2.25	2.125	3.813	8.937	97.672
2.50	2.375	0.821	1.924	99.597
2.75	2.625	0.129	0.302	99.899
3.00	2.875	0.024	0.056	99.955
3.25	3.125	0.007	0.016	99.972
3.50	3.375	0.006	0.014	99.986
3.75	3.625	0.001	0.002	99.988
4.00	3.875	0.004	0.009	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.6270	phi	(0.3238 mm)
Standard Dev:	0.3404	phi-units	(0.7898 mm)
Skewness:	-0.6523	dimensionless	
Kurtosis:	8.3878	dimensionless	
5th Moment:	-37.0263	dimensionless	
6th Moment:	348.4887	dimensionless	
RARD *	0.2092	dimensionless	
Median	1.5042	phi	(0.3525 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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