

Onshore Grab Sample

Sample: FK-42-BB
Sample Taken By: D. Phelps
Sample Collected On: 11/2/10
Splits? N/A

County: Franklin
Latitude: 29° 47' 1.5" N
Longitude: 84° 40' 27" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	41.787 grams
Total Fines in Sample	0.025 grams
Total Percent Fines	0.06 %

Dry Sieving Summary

Total Sample Weight	41.611 grams
Total Digested Weight	41.658 grams
Total Carbonate Weight	-0.047 grams
Total Silica %	100.11 %
Total Carbonate %	-0.11 %
Carbonate/Silica Ratio	-0.001

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: 41.611 grams

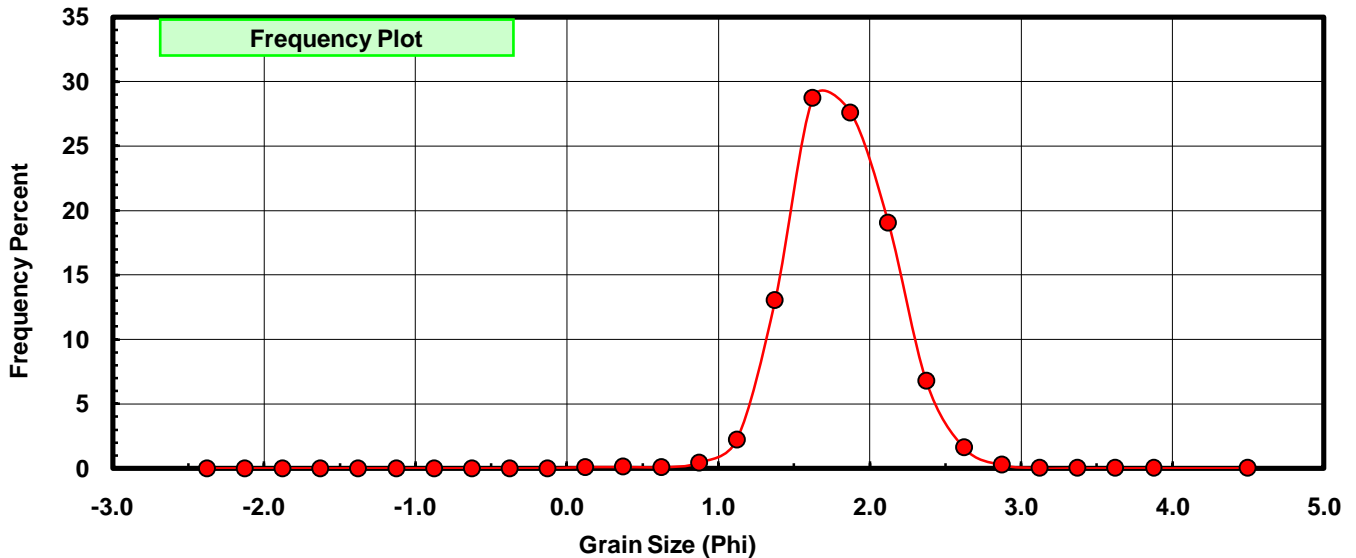
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.038	0.091	0.091
0.50	0.375	0.045	0.108	0.199
0.75	0.625	0.041	0.099	0.298
1.00	0.875	0.178	0.428	0.726
1.25	1.125	0.928	2.230	2.956
1.50	1.375	5.426	13.040	15.996
1.75	1.625	11.955	28.730	44.726
2.00	1.875	11.481	27.591	72.317
2.25	2.125	7.917	19.026	91.344
2.50	2.375	2.817	6.770	98.113
2.75	2.625	0.662	1.591	99.704
3.00	2.875	0.105	0.252	99.957
3.25	3.125	0.007	0.017	99.974
3.50	3.375	0.006	0.014	99.988
3.75	3.625	0.002	0.005	99.993
4.00	3.875	0.002	0.005	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.8091	phi	(0.2854 mm)
Standard Dev:	0.3375	phi-units	(0.7914 mm)
Skewness:	-0.0027	dimensionless	
Kurtosis:	3.9587	dimensionless	
5th Moment:	-1.8123	dimensionless	
6th Moment:	46.6839	dimensionless	
RARD *	0.1866	dimensionless	
Median	1.6728	phi	(0.3136 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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