

Onshore Grab Sample

Sample: FK-58-BB
Sample Taken By: D. Phelps
Sample Collected On: 12/8/10
Splits? N/A

County: Franklin
Latitude: 29° 53' 56.9" N
Longitude: 84° 23' 54.0" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	63.853 grams
Total Fines in Sample	0.073 grams
Total Percent Fines	0.11 %

Dry Sieving Summary

Total Sample Weight	63.573 grams
Total Digested Weight	62.190 grams
Total Carbonate Weight	1.383 grams
Total Silica %	97.82 %
Total Carbonate %	2.18 %
Carbonate/Silica Ratio	0.022

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: 63.573 grams

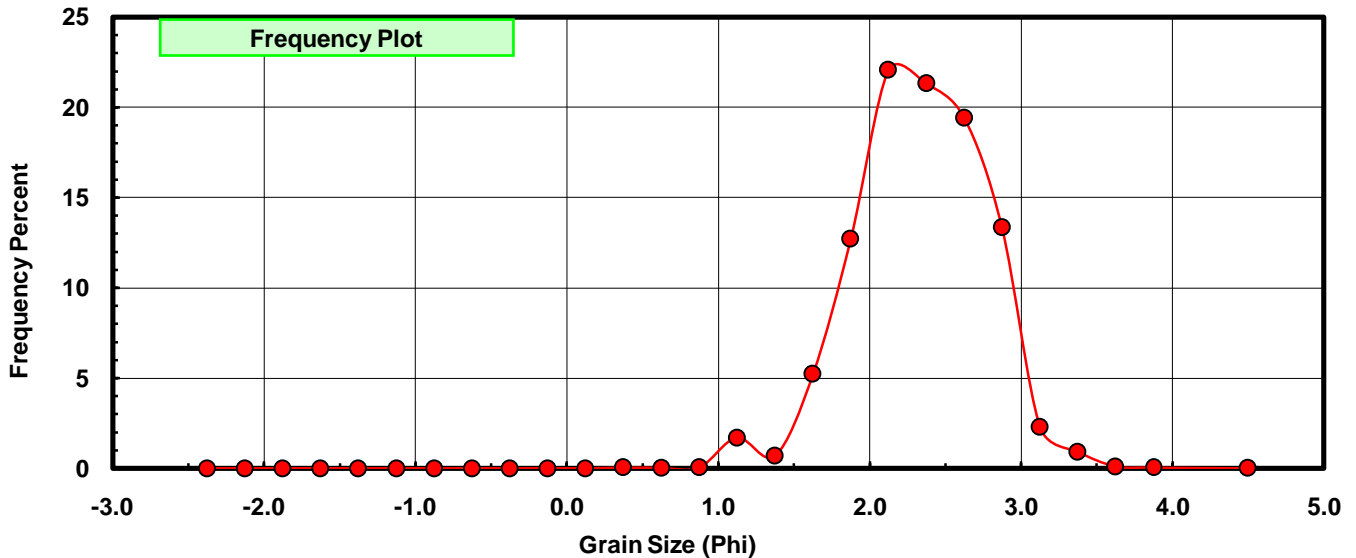
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.000	0.000	0.000
0.50	0.375	0.031	0.049	0.049
0.75	0.625	0.020	0.031	0.080
1.00	0.875	0.034	0.053	0.134
1.25	1.125	1.074	1.689	1.823
1.50	1.375	0.448	0.705	2.528
1.75	1.625	3.323	5.227	7.755
2.00	1.875	8.081	12.711	20.466
2.25	2.125	14.024	22.060	42.526
2.50	2.375	13.557	21.325	63.851
2.75	2.625	12.347	19.422	83.273
3.00	2.875	8.496	13.364	96.637
3.25	3.125	1.450	2.281	98.918
3.50	3.375	0.584	0.919	99.836
3.75	3.625	0.065	0.102	99.939
4.00	3.875	0.030	0.047	99.986
5.00	4.50	0.009	0.014	100.000

Statistical Results			
Mean:	2.3306	phi	(0.1988 mm)
Standard Dev:	0.4293	phi-units	(0.7426 mm)
Skewness:	-0.2702	dimensionless	
Kurtosis:	3.4238	dimensionless	
5th Moment:	-2.9398	dimensionless	
6th Moment:	24.6899	dimensionless	
RARD *	0.1842	dimensionless	
Median	2.2126	phi	(0.2157 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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