

**Onshore Grab Sample**

**Sample:** FK-38-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 10/11/10  
**Splits?** N/A

**County:** Franklin  
**Latitude:** 29° 43' 55.9" N  
**Longitude:** 84° 43' 40.2" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 56.264 grams  
Total Fines in Sample 0.149 grams  
Total Percent Fines 0.26 %

**Dry Sieving Summary**

Total Sample Weight 55.959 grams  
Total Digested Weight 55.722 grams  
Total Carbonate Weight 0.237 grams  
Total Silica % 99.58 %  
Total Carbonate % 0.42 %  
Carbonate/Silica Ratio 0.004

**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-38-BB

Total Sample Mass: 55.959 grams

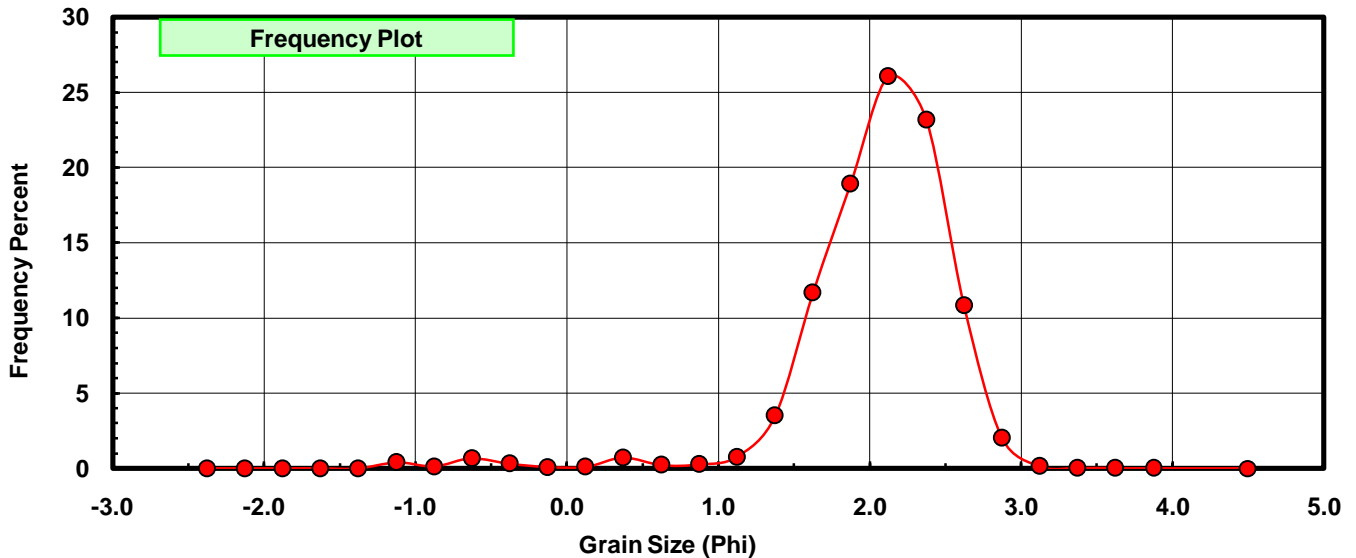
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.224	0.400	0.400
-0.75	-0.875	0.063	0.113	0.513
-0.50	-0.625	0.372	0.665	1.178
-0.25	-0.375	0.168	0.300	1.478
0.00	-0.125	0.046	0.082	1.560
0.25	0.125	0.050	0.089	1.649
0.50	0.375	0.402	0.718	2.368
0.75	0.625	0.123	0.220	2.588
1.00	0.875	0.147	0.263	2.850
1.25	1.125	0.429	0.767	3.617
1.50	1.375	1.963	3.508	7.125
1.75	1.625	6.532	11.673	18.798
2.00	1.875	10.589	18.923	37.720
2.25	2.125	14.585	26.064	63.784
2.50	2.375	12.970	23.178	86.962
2.75	2.625	6.054	10.819	97.781
3.00	2.875	1.135	2.028	99.809
3.25	3.125	0.074	0.132	99.941
3.50	3.375	0.016	0.029	99.970
3.75	3.625	0.012	0.021	99.991
4.00	3.875	0.004	0.007	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	2.0498	phi	(0.2415 mm)
Standard Dev:	0.5325	phi-units	(0.6913 mm)
Skewness:	-2.4838	dimensionless	
Kurtosis:	13.6813	dimensionless	
5th Moment:	-67.9853	dimensionless	
6th Moment:	366.0497	dimensionless	
RARD *	0.2598	dimensionless	
Median	1.9928	phi	(0.2513 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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