

**Onshore Grab Sample**

**Sample:** FK-18-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 9/3/10  
**Splits?** N/A

**County:** Franklin  
**Latitude:** 29° 35' 59.4" N  
**Longitude:** 85° 0' 6.4" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	93.95 grams
Total Fines in Sample	0.005 grams
Total Percent Fines	0.01 %

**Dry Sieving Summary**

Total Sample Weight	93.877 grams
Total Digested Weight	93.347 grams
Total Carbonate Weight	0.530 grams
Total Silica %	99.44 %
Total Carbonate %	0.56 %
Carbonate/Silica Ratio	0.006

**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-18-BB

Total Sample Mass: 93.877 grams

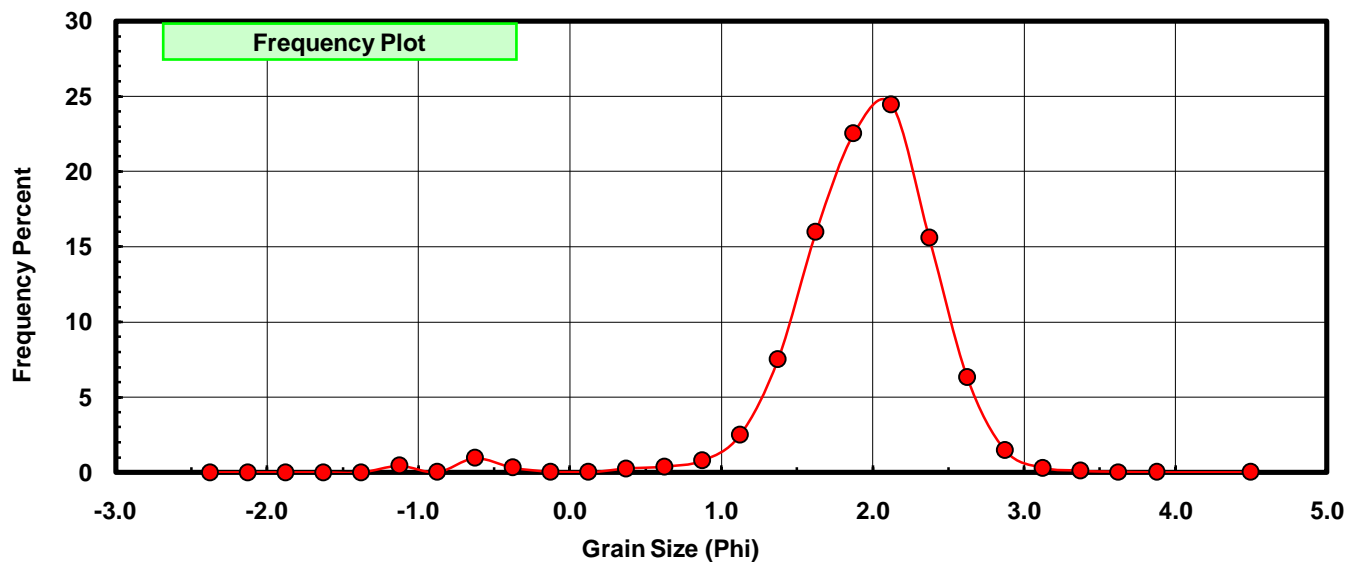
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.404	0.430	0.430
-0.75	-0.875	0.019	0.020	0.451
-0.50	-0.625	0.891	0.949	1.400
-0.25	-0.375	0.298	0.317	1.717
0.00	-0.125	0.034	0.036	1.753
0.25	0.125	0.020	0.021	1.775
0.50	0.375	0.223	0.238	2.012
0.75	0.625	0.357	0.380	2.392
1.00	0.875	0.739	0.787	3.180
1.25	1.125	2.333	2.485	5.665
1.50	1.375	7.063	7.524	13.189
1.75	1.625	14.993	15.971	29.159
2.00	1.875	21.151	22.531	51.690
2.25	2.125	22.963	24.461	76.151
2.50	2.375	14.627	15.581	91.732
2.75	2.625	5.950	6.338	98.070
3.00	2.875	1.385	1.475	99.545
3.25	3.125	0.279	0.297	99.842
3.50	3.375	0.100	0.107	99.949
3.75	3.625	0.041	0.044	99.993
4.00	3.875	0.005	0.005	99.998
5.00	4.50	0.002	0.002	100.000

Statistical Results			
Mean:	1.9248	phi	(0.2634 mm)
Standard Dev:	0.5420	phi-units	(0.6868 mm)
Skewness:	-2.0369	dimensionless	
Kurtosis:	11.5533	dimensionless	
5th Moment:	-52.3770	dimensionless	
6th Moment:	271.2873	dimensionless	
RARD *	0.2816	dimensionless	
Median	1.8562	phi	(0.2762 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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