

**Onshore Grab Sample**

**Sample:** FK-11-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 9/3/10  
**Splits?** N/A

**County:** Franklin  
**Latitude:** 29° 37' 24" N  
**Longitude:** 85° 5' 51.5" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	73.797 grams
Total Fines in Sample	0.015 grams
Total Percent Fines	0.02 %

**Dry Sieving Summary**

Total Sample Weight	73.525 grams
Total Digested Weight	73.017 grams
Total Carbonate Weight	0.508 grams
Total Silica %	99.31 %
Total Carbonate %	0.69 %
Carbonate/Silica Ratio	0.007

**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-11-BB

Total Sample Mass: 73.525 grams

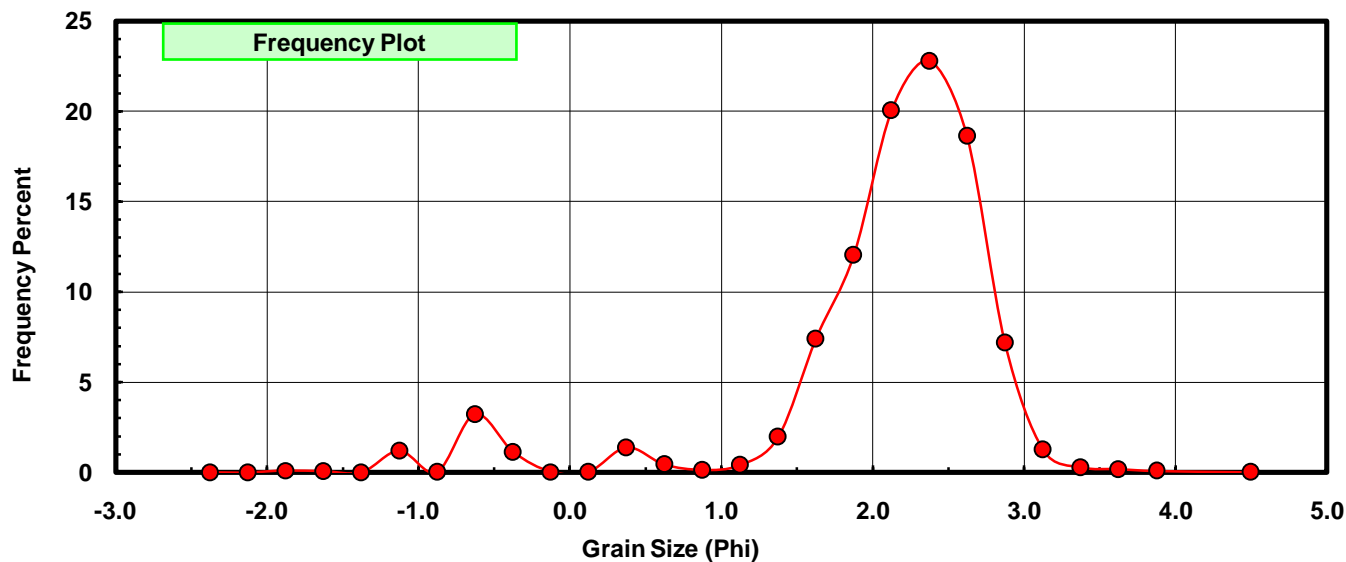
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.079	0.107	0.107
-1.50	-1.625	0.048	0.065	0.173
-1.25	-1.375	0.000	0.000	0.173
-1.00	-1.125	0.885	1.204	1.376
-0.75	-0.875	0.024	0.033	1.409
-0.50	-0.625	2.368	3.221	4.630
-0.25	-0.375	0.829	1.128	5.757
0.00	-0.125	0.027	0.037	5.794
0.25	0.125	0.016	0.022	5.816
0.50	0.375	1.017	1.383	7.199
0.75	0.625	0.322	0.438	7.637
1.00	0.875	0.094	0.128	7.765
1.25	1.125	0.301	0.409	8.174
1.50	1.375	1.445	1.965	10.139
1.75	1.625	5.443	7.403	17.542
2.00	1.875	8.845	12.030	29.572
2.25	2.125	14.738	20.045	49.617
2.50	2.375	16.761	22.796	72.413
2.75	2.625	13.689	18.618	91.032
3.00	2.875	5.289	7.193	98.225
3.25	3.125	0.915	1.244	99.470
3.50	3.375	0.203	0.276	99.746
3.75	3.625	0.124	0.169	99.914
4.00	3.875	0.058	0.079	99.993
5.00	4.50	0.005	0.007	100.000

Statistical Results			
Mean:	2.0658	phi	(0.2388 mm)
Standard Dev:	0.8362	phi-units	(0.5601 mm)
Skewness:	-2.2256	dimensionless	
Kurtosis:	8.2810	dimensionless	
5th Moment:	-27.7629	dimensionless	
6th Moment:	100.0817	dimensionless	
RARD *	0.4048	dimensionless	
Median	2.1292	phi	(0.2286 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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