

**Onshore Grab Sample**

**Sample:** FK-16-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 9/3/10  
**Splits?** N/A

**County:** Franklin  
**Latitude:** 29° 35' 26.3" N  
**Longitude:** 85° 1' 56.4" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 111.145 grams  
Total Fines in Sample 0.022 grams  
Total Percent Fines 0.02 %

**Dry Sieving Summary**

Total Sample Weight 111.118 grams  
Total Digested Weight 110.114 grams  
Total Carbonate Weight 1.004 grams  
Total Silica % 99.10 %  
Total Carbonate % 0.90 %  
Carbonate/Silica Ratio 0.009

**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-16-BB

Total Sample Mass: 111.118 grams

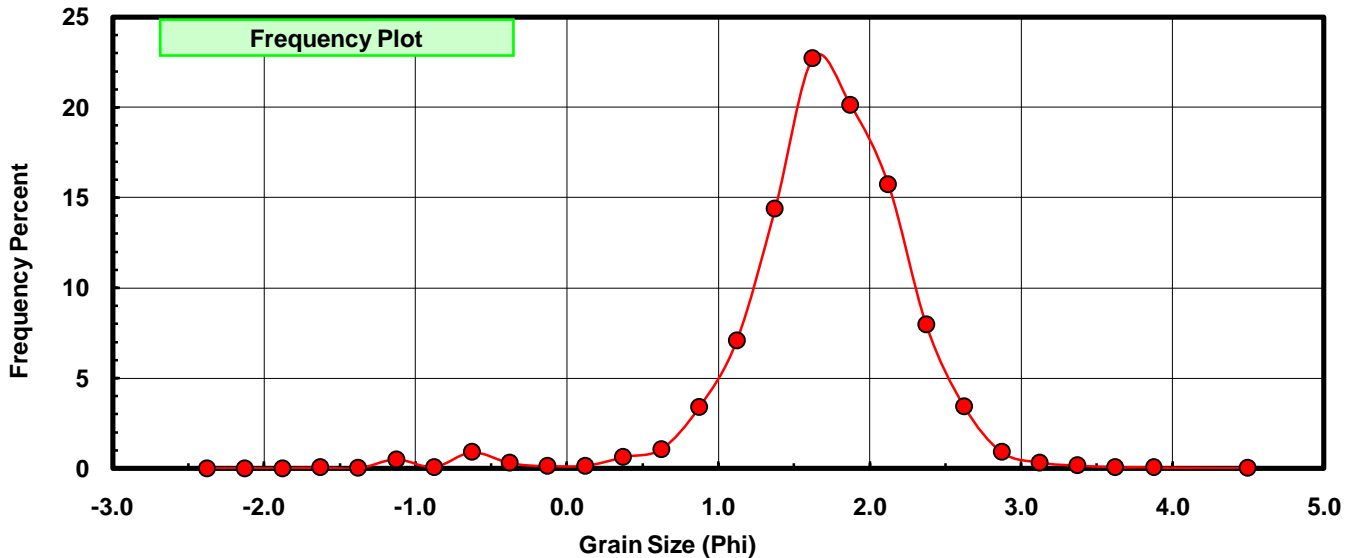
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.049	0.044	0.044
-1.25	-1.375	0.013	0.012	0.056
-1.00	-1.125	0.552	0.497	0.553
-0.75	-0.875	0.078	0.070	0.623
-0.50	-0.625	1.000	0.900	1.523
-0.25	-0.375	0.324	0.292	1.814
0.00	-0.125	0.133	0.120	1.934
0.25	0.125	0.153	0.138	2.072
0.50	0.375	0.685	0.616	2.688
0.75	0.625	1.165	1.048	3.737
1.00	0.875	3.754	3.378	7.115
1.25	1.125	7.874	7.086	14.201
1.50	1.375	15.986	14.387	28.588
1.75	1.625	25.245	22.719	51.307
2.00	1.875	22.351	20.115	71.421
2.25	2.125	17.469	15.721	87.142
2.50	2.375	8.840	7.956	95.098
2.75	2.625	3.811	3.430	98.528
3.00	2.875	0.995	0.895	99.423
3.25	3.125	0.350	0.315	99.738
3.50	3.375	0.163	0.147	99.885
3.75	3.625	0.065	0.058	99.943
4.00	3.875	0.059	0.053	99.996
5.00	4.50	0.004	0.004	100.000

Statistical Results			
Mean:	1.7064	phi	(0.3064 mm)
Standard Dev:	0.5794	phi-units	(0.6692 mm)
Skewness:	-1.3539	dimensionless	
Kurtosis:	8.2897	dimensionless	
5th Moment:	-29.2372	dimensionless	
6th Moment:	146.5883	dimensionless	
RARD *	0.3395	dimensionless	
Median	1.6106	phi	(0.3275 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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