

**Onshore Grab Sample**

**Sample:** FK-21-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 9/3/10  
**Splits?** N/A

**County:** Franklin  
**Latitude:** 29° 36' 46.5" N  
**Longitude:** 84° 57' 38.1" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 80.144 grams  
Total Fines in Sample 0.029 grams  
Total Percent Fines 0.04 %

**Dry Sieving Summary**

Total Sample Weight 79.949 grams  
Total Digested Weight 78.553 grams  
Total Carbonate Weight 1.396 grams  
Total Silica % 98.25 %  
Total Carbonate % 1.75 %  
Carbonate/Silica Ratio 0.018

**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-21-BB

Total Sample Mass: 79.949 grams

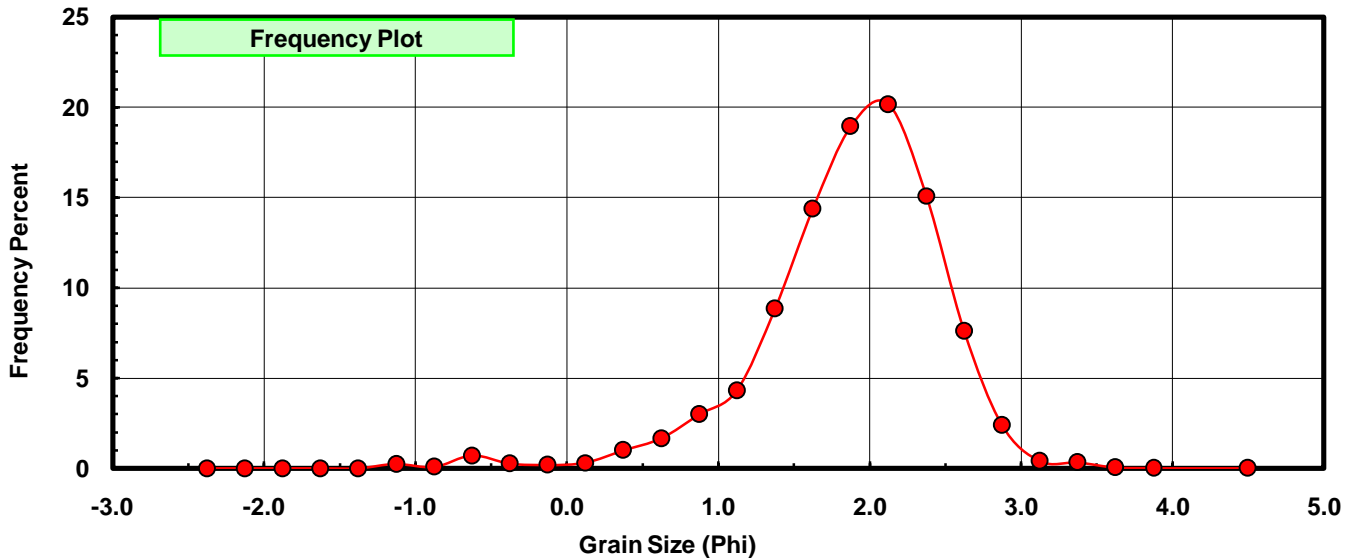
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.195	0.244	0.244
-0.75	-0.875	0.063	0.079	0.323
-0.50	-0.625	0.567	0.709	1.032
-0.25	-0.375	0.204	0.255	1.287
0.00	-0.125	0.147	0.184	1.471
0.25	0.125	0.256	0.320	1.791
0.50	0.375	0.802	1.003	2.794
0.75	0.625	1.329	1.662	4.457
1.00	0.875	2.387	2.986	7.442
1.25	1.125	3.446	4.310	11.752
1.50	1.375	7.074	8.848	20.601
1.75	1.625	11.503	14.388	34.989
2.00	1.875	15.152	18.952	53.941
2.25	2.125	16.122	20.165	74.106
2.50	2.375	12.077	15.106	89.212
2.75	2.625	6.086	7.612	96.824
3.00	2.875	1.917	2.398	99.222
3.25	3.125	0.314	0.393	99.615
3.50	3.375	0.262	0.328	99.942
3.75	3.625	0.034	0.043	99.985
4.00	3.875	0.009	0.011	99.996
5.00	4.50	0.003	0.004	100.000

Statistical Results			
Mean:	1.8724	phi	(0.2731 mm)
Standard Dev:	0.6111	phi-units	(0.6547 mm)
Skewness:	-1.2343	dimensionless	
Kurtosis:	6.3518	dimensionless	
5th Moment:	-20.5280	dimensionless	
6th Moment:	91.5015	dimensionless	
RARD *	0.3264	dimensionless	
Median	1.8230	phi	(0.2826 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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