

**Onshore Grab Sample**

**Sample:** FK-05-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 9/1/10  
**Splits?** N/A

**County:** Franklin  
**Latitude:** 29° 39' 12.8" N  
**Longitude:** 85° 9' 56.7" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 54.107 grams  
Total Fines in Sample 0.014 grams  
Total Percent Fines 0.03 %

**Dry Sieving Summary**

Total Sample Weight 54.096 grams  
Total Digested Weight 53.855 grams  
Total Carbonate Weight 0.241 grams  
Total Silica % 99.55 %  
Total Carbonate % 0.45 %  
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-05-BB

Total Sample Mass: 54.096 grams

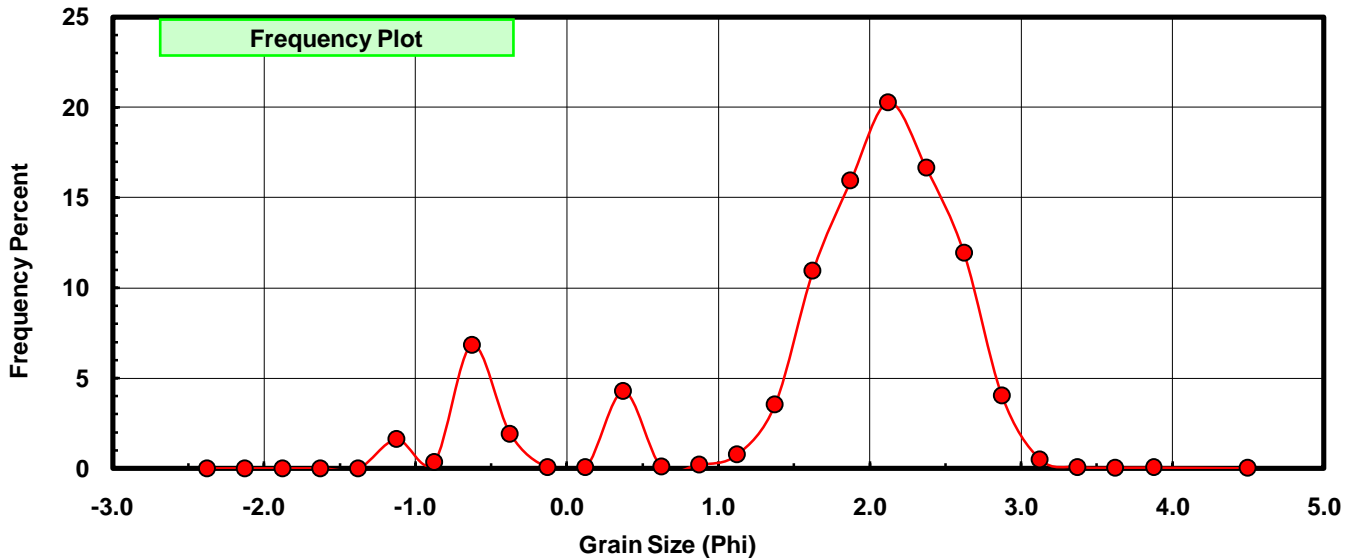
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.865	1.599	1.599
-0.75	-0.875	0.181	0.335	1.934
-0.50	-0.625	3.701	6.842	8.775
-0.25	-0.375	1.035	1.913	10.688
0.00	-0.125	0.023	0.043	10.731
0.25	0.125	0.028	0.052	10.783
0.50	0.375	2.307	4.265	15.047
0.75	0.625	0.048	0.089	15.136
1.00	0.875	0.113	0.209	15.345
1.25	1.125	0.404	0.747	16.092
1.50	1.375	1.917	3.544	19.635
1.75	1.625	5.914	10.932	30.568
2.00	1.875	8.616	15.927	46.495
2.25	2.125	10.968	20.275	66.770
2.50	2.375	9.006	16.648	83.418
2.75	2.625	6.448	11.920	95.338
3.00	2.875	2.184	4.037	99.375
3.25	3.125	0.260	0.481	99.856
3.50	3.375	0.037	0.068	99.924
3.75	3.625	0.013	0.024	99.948
4.00	3.875	0.026	0.048	99.996
5.00	4.50	0.002	0.004	100.000

Statistical Results			
Mean:	1.7564	phi	(0.296 mm)
Standard Dev:	0.9971	phi-units	(0.501 mm)
Skewness:	-1.5111	dimensionless	
Kurtosis:	4.3514	dimensionless	
5th Moment:	-10.0309	dimensionless	
6th Moment:	26.0329	dimensionless	
RARD *	0.5677	dimensionless	
Median	1.9182	phi	(0.2646 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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