

**Onshore Grab Sample**

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

**County:** Franklin  
**Latitude:** 29° 37' 56.6" N  
**Longitude:** 85° 5' 51.6" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 73.591 grams  
Total Fines in Sample 0.034 grams  
Total Percent Fines 0.05 %

**Dry Sieving Summary**

Total Sample Weight 73.314 grams  
Total Digested Weight 72.747 grams  
Total Carbonate Weight 0.567 grams  
Total Silica % 99.23 %  
Total Carbonate % 0.77 %  
Carbonate/Silica Ratio 0.008

**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-10-BB

Total Sample Mass: 73.314 grams

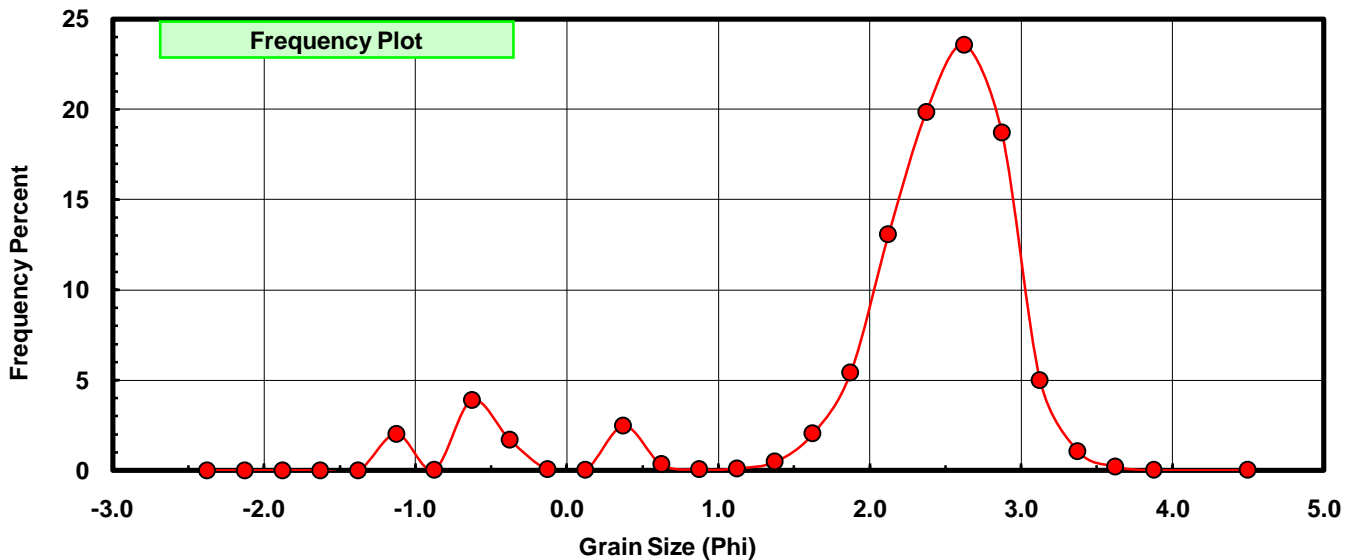
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	1.477	2.015	2.015
-0.75	-0.875	0.020	0.027	2.042
-0.50	-0.625	2.850	3.887	5.929
-0.25	-0.375	1.224	1.670	7.599
0.00	-0.125	0.040	0.055	7.653
0.25	0.125	0.018	0.025	7.678
0.50	0.375	1.799	2.454	10.132
0.75	0.625	0.243	0.331	10.463
1.00	0.875	0.032	0.044	10.507
1.25	1.125	0.074	0.101	10.608
1.50	1.375	0.347	0.473	11.081
1.75	1.625	1.495	2.039	13.120
2.00	1.875	3.973	5.419	18.539
2.25	2.125	9.579	13.066	31.605
2.50	2.375	14.555	19.853	51.458
2.75	2.625	17.275	23.563	75.021
3.00	2.875	13.724	18.719	93.741
3.25	3.125	3.653	4.983	98.723
3.50	3.375	0.770	1.050	99.774
3.75	3.625	0.147	0.201	99.974
4.00	3.875	0.014	0.019	99.993
5.00	4.50	0.005	0.007	100.000

Statistical Results			
Mean:	2.2059	phi	(0.2168 mm)
Standard Dev:	0.9837	phi-units	(0.5057 mm)
Skewness:	-2.0957	dimensionless	
Kurtosis:	6.6884	dimensionless	
5th Moment:	-19.5921	dimensionless	
6th Moment:	60.2736	dimensionless	
RARD *	0.4460	dimensionless	
Median	2.3566	phi	(0.1952 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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