

**Onshore Grab Sample**

**Sample:** FK-31-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 10/11/10  
**Splits?** N/A

**County:** Franklin  
**Latitude:** 29° 40' 26.5" N  
**Longitude:** 84° 49' 18.5" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	73.939 grams
Total Fines in Sample	0.003 grams
Total Percent Fines	0.00 %

**Dry Sieving Summary**

Total Sample Weight	73.789 grams
Total Digested Weight	72.661 grams
Total Carbonate Weight	1.128 grams
Total Silica %	98.47 %
Total Carbonate %	1.53 %
Carbonate/Silica Ratio	0.016

**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-31-BB

Total Sample Mass: 73.789 grams

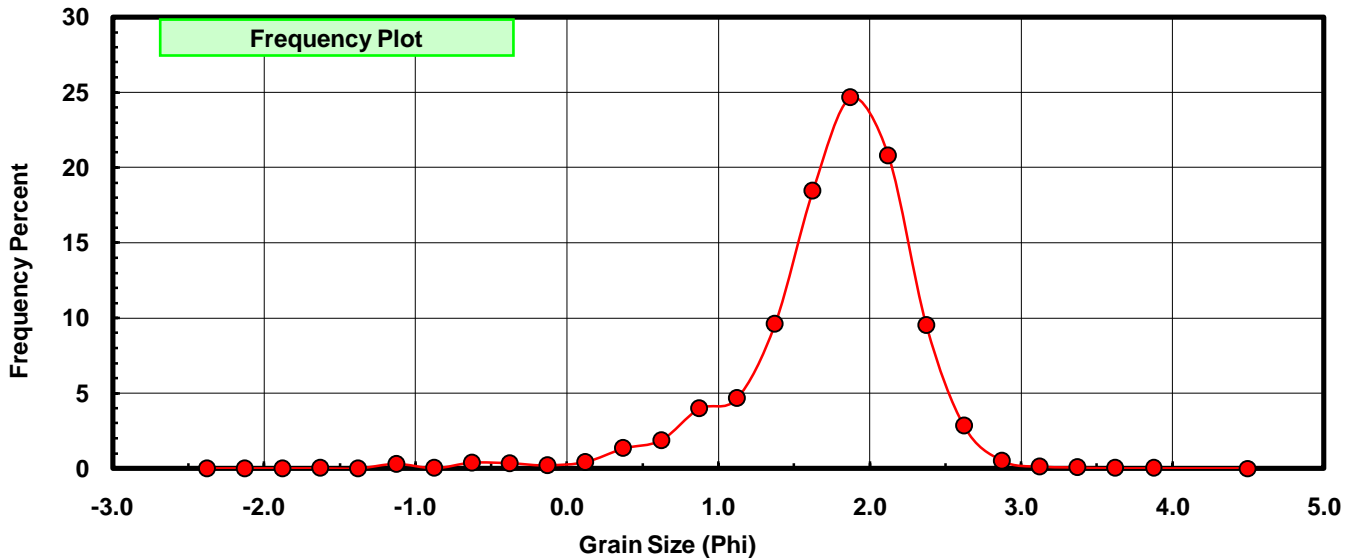
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.017	0.023	0.023
-1.25	-1.375	0.000	0.000	0.023
-1.00	-1.125	0.217	0.294	0.317
-0.75	-0.875	0.015	0.020	0.337
-0.50	-0.625	0.275	0.373	0.710
-0.25	-0.375	0.240	0.325	1.035
0.00	-0.125	0.151	0.205	1.240
0.25	0.125	0.302	0.409	1.649
0.50	0.375	0.980	1.328	2.977
0.75	0.625	1.381	1.872	4.849
1.00	0.875	2.936	3.979	8.828
1.25	1.125	3.436	4.657	13.484
1.50	1.375	7.084	9.600	23.085
1.75	1.625	13.622	18.461	41.545
2.00	1.875	18.182	24.641	66.186
2.25	2.125	15.331	20.777	86.963
2.50	2.375	7.024	9.519	96.482
2.75	2.625	2.083	2.823	99.305
3.00	2.875	0.375	0.508	99.813
3.25	3.125	0.082	0.111	99.924
3.50	3.375	0.034	0.046	99.970
3.75	3.625	0.016	0.022	99.992
4.00	3.875	0.005	0.007	99.999
5.00	4.50	0.001	0.001	100.000

Statistical Results			
Mean:	1.7532	phi	(0.2967 mm)
Standard Dev:	0.5502	phi-units	(0.6829 mm)
Skewness:	-1.4240	dimensionless	
Kurtosis:	7.1596	dimensionless	
5th Moment:	-26.1290	dimensionless	
6th Moment:	125.6709	dimensionless	
RARD *	0.3139	dimensionless	
Median	1.7108	phi	(0.3055 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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