

**Onshore Grab Sample**

**Sample:** FK-55  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 12/8/10  
**Splits?** N/A

**County:** Franklin  
**Latitude:** 29° 55' 0.2" N  
**Longitude:** 84° 26' 26.4" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	45.501 grams
Total Fines in Sample	0.085 grams
Total Percent Fines	0.19 %

**Dry Sieving Summary**

Total Sample Weight	45.416 grams
Total Digested Weight	45.051 grams
Total Carbonate Weight	0.365 grams
Total Silica %	99.20 %
Total Carbonate %	0.80 %
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-55

Total Sample Mass: 45.416 grams

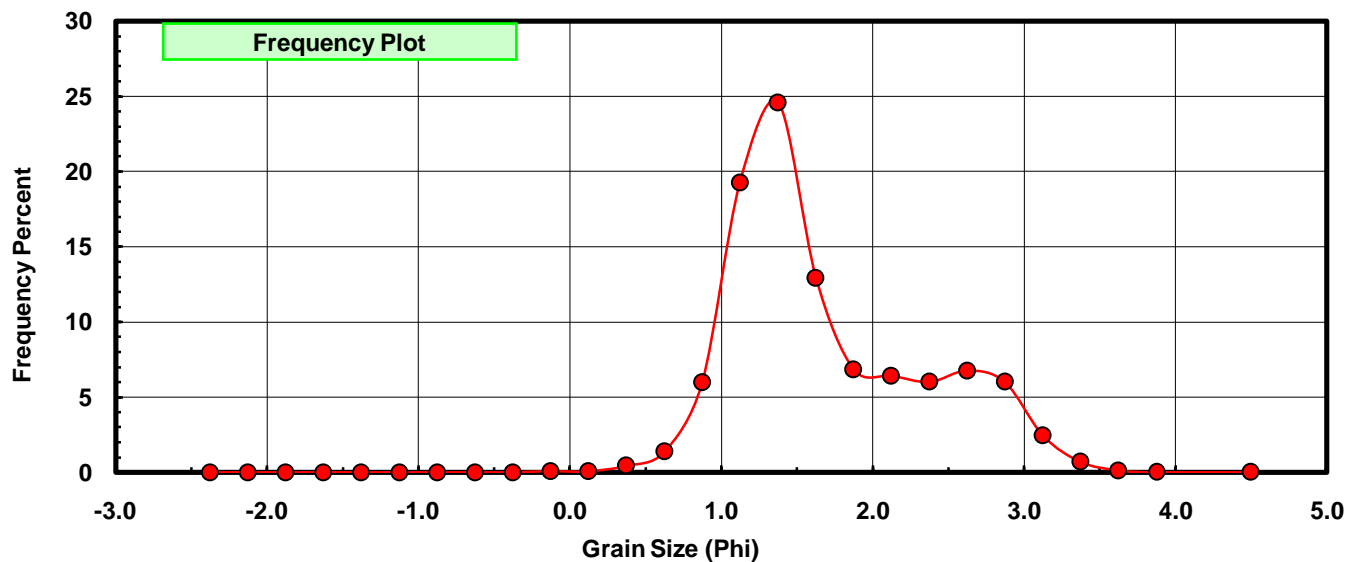
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.037	0.081	0.081
0.25	0.125	0.030	0.066	0.148
0.50	0.375	0.196	0.432	0.579
0.75	0.625	0.625	1.376	1.955
1.00	0.875	2.713	5.974	7.929
1.25	1.125	8.747	19.260	27.189
1.50	1.375	11.165	24.584	51.773
1.75	1.625	5.873	12.932	64.704
2.00	1.875	3.104	6.835	71.539
2.25	2.125	2.913	6.414	77.953
2.50	2.375	2.726	6.002	83.955
2.75	2.625	3.070	6.760	90.715
3.00	2.875	2.728	6.007	96.721
3.25	3.125	1.112	2.448	99.170
3.50	3.375	0.313	0.689	99.859
3.75	3.625	0.055	0.121	99.980
4.00	3.875	0.006	0.013	99.993
5.00	4.50	0.003	0.007	100.000

Statistical Results			
Mean:	1.6894	phi	(0.3101 mm)
Standard Dev:	0.6516	phi-units	(0.6366 mm)
Skewness:	0.6994	dimensionless	
Kurtosis:	2.6174	dimensionless	
5th Moment:	3.5018	dimensionless	
6th Moment:	10.7781	dimensionless	
RARD *	0.3857	dimensionless	
Median	1.3570	phi	(0.3904 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)



# FK-55

