

**Onshore Grab Sample**

**Sample:** FK-54  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 12/8/10  
**Splits?** N/A

**County:** Franklin  
**Latitude:** 29° 55' 44.0" N  
**Longitude:** 84° 26' 29.7" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	55.162 grams
Total Fines in Sample	0.345 grams
Total Percent Fines	0.62 %

**Dry Sieving Summary**

Total Sample Weight	54.962 grams
Total Digested Weight	54.847 grams
Total Carbonate Weight	0.115 grams
Total Silica %	99.79 %
Total Carbonate %	0.21 %
Carbonate/Silica Ratio	0.002

**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-54

Total Sample Mass: 54.962 grams

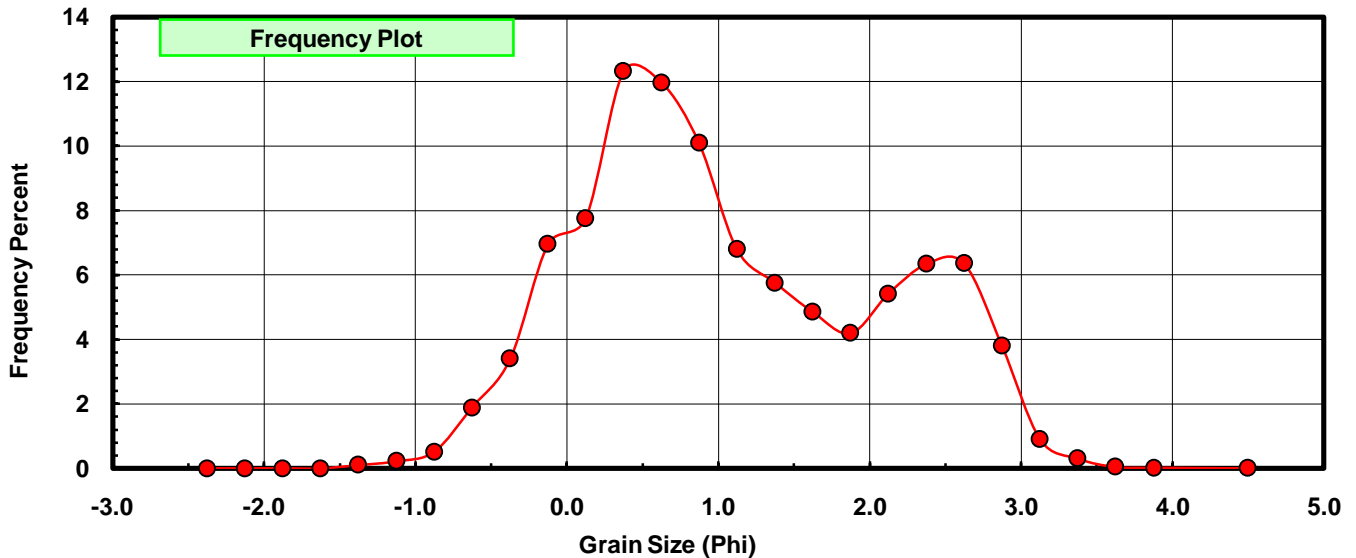
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.057	0.104	0.104
-1.00	-1.125	0.121	0.220	0.324
-0.75	-0.875	0.279	0.508	0.831
-0.50	-0.625	1.037	1.887	2.718
-0.25	-0.375	1.872	3.406	6.124
0.00	-0.125	3.825	6.959	13.084
0.25	0.125	4.263	7.756	20.840
0.50	0.375	6.771	12.319	33.159
0.75	0.625	6.580	11.972	45.131
1.00	0.875	5.548	10.094	55.225
1.25	1.125	3.733	6.792	62.017
1.50	1.375	3.161	5.751	67.769
1.75	1.625	2.665	4.849	72.617
2.00	1.875	2.306	4.196	76.813
2.25	2.125	2.979	5.420	82.233
2.50	2.375	3.484	6.339	88.572
2.75	2.625	3.495	6.359	94.931
3.00	2.875	2.092	3.806	98.737
3.25	3.125	0.493	0.897	99.634
3.50	3.375	0.165	0.300	99.935
3.75	3.625	0.024	0.044	99.978
4.00	3.875	0.010	0.018	99.996
5.00	4.50	0.002	0.004	100.000

Statistical Results			
Mean:	1.0731	phi	(0.4753 mm)
Standard Dev:	0.9936	phi-units	(0.5022 mm)
Skewness:	0.3223	dimensionless	
Kurtosis:	2.1189	dimensionless	
5th Moment:	1.2111	dimensionless	
6th Moment:	6.0995	dimensionless	
RARD *	0.9259	dimensionless	
Median	0.7456	phi	(0.5964 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-54

