

## **Onshore Grab Sample**

**Sample:** FK-44-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 11/2/10  
**Splits?** N/A

**County:** Franklin  
**Latitude:** 29° 46' 59.2" N  
**Longitude:** 84° 38' 52.5" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

### **Fine Data Summary**

Total Sample Weight	45.371 grams
Total Fines in Sample	0.014 grams
Total Percent Fines	0.03 %

### **Dry Sieving Summary**

Total Sample Weight	45.299 grams
Total Digested Weight	45.285 grams
Total Carbonate Weight	0.014 grams
Total Silica %	99.97 %
Total Carbonate %	0.03 %
Carbonate/Silica Ratio	0.000

### **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-44-BB

Total Sample Mass: 45.299 grams

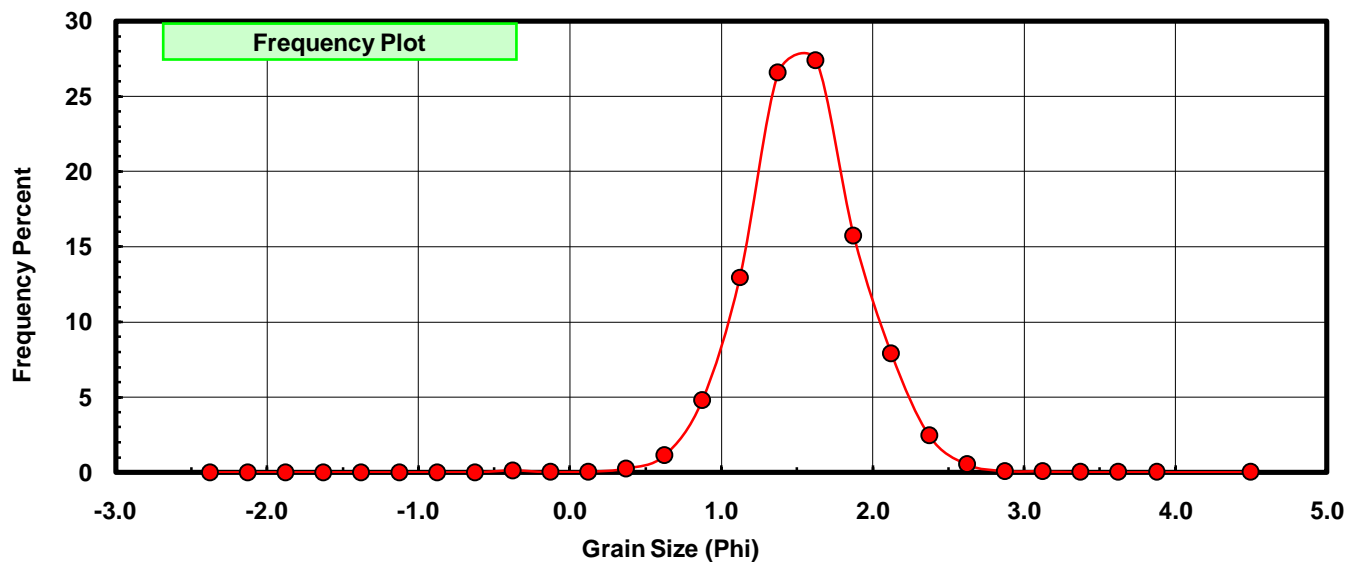
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.050	0.110	0.110
0.00	-0.125	0.009	0.020	0.130
0.25	0.125	0.018	0.040	0.170
0.50	0.375	0.114	0.252	0.422
0.75	0.625	0.505	1.115	1.536
1.00	0.875	2.164	4.777	6.314
1.25	1.125	5.879	12.978	19.292
1.50	1.375	12.029	26.555	45.846
1.75	1.625	12.410	27.396	73.242
2.00	1.875	7.131	15.742	88.984
2.25	2.125	3.570	7.881	96.865
2.50	2.375	1.108	2.446	99.311
2.75	2.625	0.237	0.523	99.834
3.00	2.875	0.034	0.075	99.909
3.25	3.125	0.029	0.064	99.974
3.50	3.375	0.007	0.015	99.989
3.75	3.625	0.002	0.004	99.993
4.00	3.875	0.002	0.004	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.5452	phi	(0.3426 mm)
Standard Dev:	0.3821	phi-units	(0.7673 mm)
Skewness:	0.0101	dimensionless	
Kurtosis:	4.1348	dimensionless	
5th Moment:	-1.1778	dimensionless	
6th Moment:	47.9675	dimensionless	
RARD *	0.2473	dimensionless	
Median	1.4129	phi	(0.3756 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-44-BB

