

## **Onshore Grab Sample**

**Sample:** FK-28-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 10/11/10  
**Splits?** N/A

**County:** Franklin  
**Latitude:** 29° 39' 33.4" N  
**Longitude:** 84° 52' 7.1" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

### **Fine Data Summary**

Total Sample Weight	60.902 grams
Total Fines in Sample	0.009 grams
Total Percent Fines	0.01 %

### **Dry Sieving Summary**

Total Sample Weight	60.873 grams
Total Digested Weight	59.322 grams
Total Carbonate Weight	1.551 grams
Total Silica %	97.45 %
Total Carbonate %	2.55 %
Carbonate/Silica Ratio	0.026

### **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-28-BB

Total Sample Mass: 60.873 grams

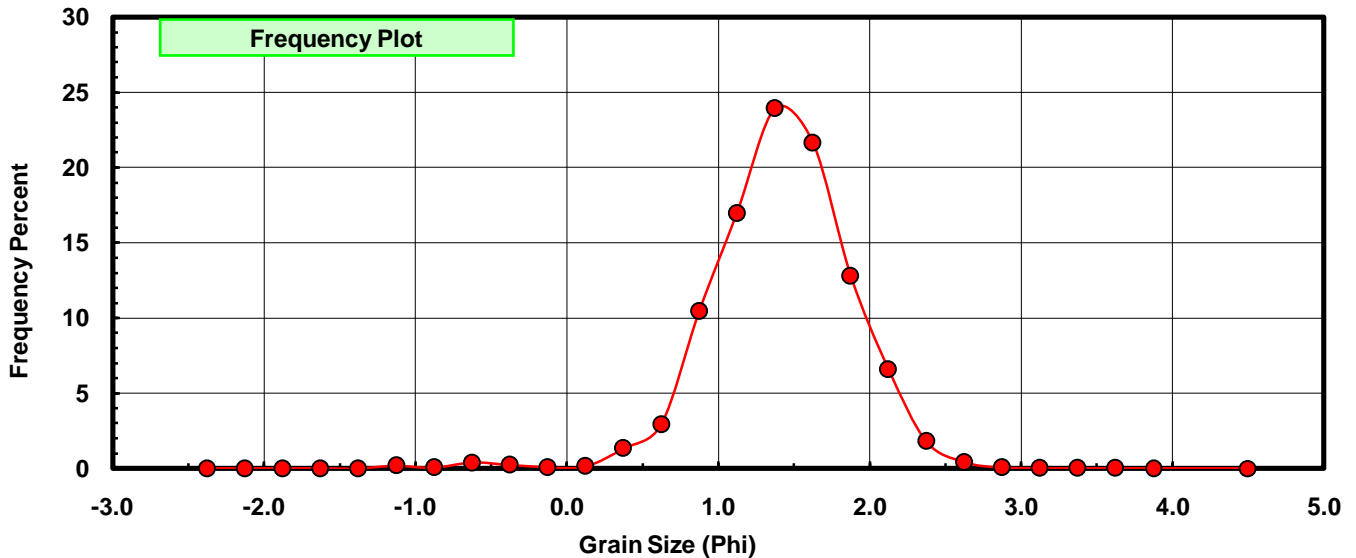
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.106	0.174	0.174
-0.75	-0.875	0.030	0.049	0.223
-0.50	-0.625	0.233	0.383	0.606
-0.25	-0.375	0.133	0.218	0.825
0.00	-0.125	0.043	0.071	0.895
0.25	0.125	0.089	0.146	1.042
0.50	0.375	0.812	1.334	2.375
0.75	0.625	1.781	2.926	5.301
1.00	0.875	6.358	10.445	15.746
1.25	1.125	10.333	16.975	32.721
1.50	1.375	14.580	23.952	56.672
1.75	1.625	13.177	21.647	78.319
2.00	1.875	7.791	12.799	91.118
2.25	2.125	4.010	6.587	97.705
2.50	2.375	1.099	1.805	99.510
2.75	2.625	0.250	0.411	99.921
3.00	2.875	0.031	0.051	99.972
3.25	3.125	0.006	0.010	99.982
3.50	3.375	0.006	0.010	99.992
3.75	3.625	0.004	0.007	99.998
4.00	3.875	0.000	0.000	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.4173	phi	(0.3744 mm)
Standard Dev:	0.4658	phi-units	(0.7241 mm)
Skewness:	-0.7183	dimensionless	
Kurtosis:	5.9453	dimensionless	
5th Moment:	-17.6093	dimensionless	
6th Moment:	100.1746	dimensionless	
RARD *	0.3286	dimensionless	
Median	1.3054	phi	(0.4046 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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