

**Onshore Grab Sample**

**Sample:** FK-07-MB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 9/1/10  
**Splits?** N/A

**County:** Franklin  
**Latitude:** 29° 38' 19.3" N  
**Longitude:** 85° 8' 52.1" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 66.993 grams  
Total Fines in Sample 0.012 grams  
Total Percent Fines 0.02 %

**Dry Sieving Summary**

Total Sample Weight 66.972 grams  
Total Digested Weight 65.771 grams  
Total Carbonate Weight 1.201 grams  
Total Silica % 98.21 %  
Total Carbonate % 1.79 %  
Carbonate/Silica Ratio 0.018

**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-07-MB

Total Sample Mass: 66.972 grams

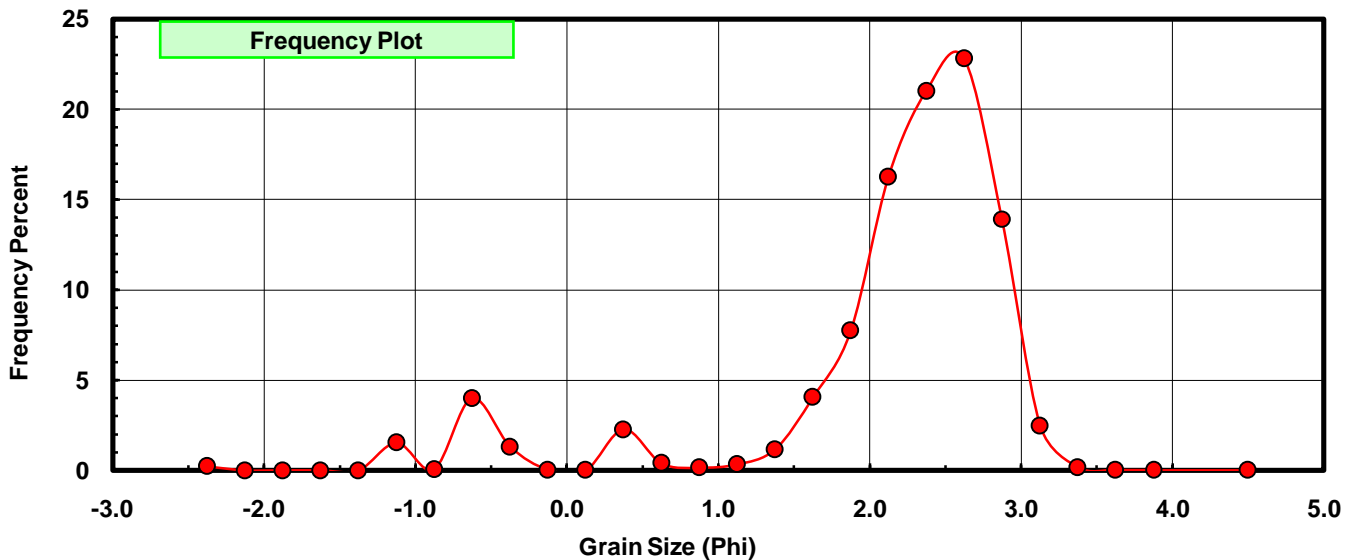
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.155	0.231	0.231
-2.00	-2.125	0.000	0.000	0.231
-1.75	-1.875	0.000	0.000	0.231
-1.50	-1.625	0.000	0.000	0.231
-1.25	-1.375	0.000	0.000	0.231
-1.00	-1.125	1.033	1.542	1.774
-0.75	-0.875	0.048	0.072	1.846
-0.50	-0.625	2.676	3.996	5.841
-0.25	-0.375	0.875	1.307	7.148
0.00	-0.125	0.017	0.025	7.173
0.25	0.125	0.011	0.016	7.190
0.50	0.375	1.518	2.267	9.456
0.75	0.625	0.267	0.399	9.855
1.00	0.875	0.097	0.145	10.000
1.25	1.125	0.220	0.328	10.328
1.50	1.375	0.780	1.165	11.493
1.75	1.625	2.711	4.048	15.541
2.00	1.875	5.184	7.741	23.281
2.25	2.125	10.897	16.271	39.552
2.50	2.375	14.079	21.022	60.575
2.75	2.625	15.280	22.816	83.390
3.00	2.875	9.333	13.936	97.326
3.25	3.125	1.660	2.479	99.804
3.50	3.375	0.109	0.163	99.967
3.75	3.625	0.014	0.021	99.988
4.00	3.875	0.004	0.006	99.994
5.00	4.50	0.004	0.006	100.000

Statistical Results			
Mean:	2.1183	phi	(0.2303 mm)
Standard Dev:	0.9475	phi-units	(0.5185 mm)
Skewness:	-2.1641	dimensionless	
Kurtosis:	7.3335	dimensionless	
5th Moment:	-23.6123	dimensionless	
6th Moment:	82.0904	dimensionless	
RARD *	0.4473	dimensionless	
Median	2.2492	phi	(0.2103 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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