Onshore Grab Sample

Sample: FK-59-BB
Sample Taken By: D. Phelps
Sample Collected On: 12/8/10
Splits? N/A

County: Franklin
Latitude: 29° 53' 40.1" N
Longitude: 84° 22' 58.5" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	56.047	grams
Total Fines in Sample	0.055	grams
Total Percent Fines	0.10	%

Dry Sieving Summary

Total Sample Weight	56.166	grams
Total Digested Weight	55.953	grams
Total Carbonate Weight	0.213	grams
Total Silica %	99.62	%
Total Carbonate %	0.38	%
Carbonate/Silica Ratio	0.004	

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-59-BB

Total Sample Mass: 56.166 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	0.044	0.078	0.078
0.25	0.125	0.053	0.094	0.173
0.50	0.375	0.258	0.459	0.632
0.75	0.625	0.723	1.287	1.919
1.00	0.875	1.585	2.822	4.741
1.25	1.125	4.394	7.823	12.565
1.50	1.375	8.824	15.711	28.275
1.75	1.625	12.610	22.451	50.726
2.00	1.875	11.335	20.181	70.908
2.25	2.125	8.826	15.714	86.622
2.50	2.375	4.959	8.829	95.451
2.75	2.625	1.864	3.319	98.770
3.00	2.875	0.512	0.912	99.681
3.25	3.125	0.106	0.189	99.870
3.50	3.375	0.034	0.061	99.931
3.75	3.625	0.022	0.039	99.970
4.00	3.875	0.009	0.016	99.986
5.00	4.50	0.008	0.014	100.000

Statistical Results			
Mean:	1.7493	phi	(0.2974 mm)
Standard Dev:	0.4657	phi-units	(0.7241 mm)
Skewness:	-0.0578	dimensionless	
Kurtosis:	3.5245	dimensionless	
5th Moment:	0.0201	dimensionless	
6th Moment:	28.2115	dimensionless	
RARD *	0.2662	dimensionless	
Median	1.6169	phi	(0.326 mm)

* RARD = reciprocal absolute relative dispersion (see below)

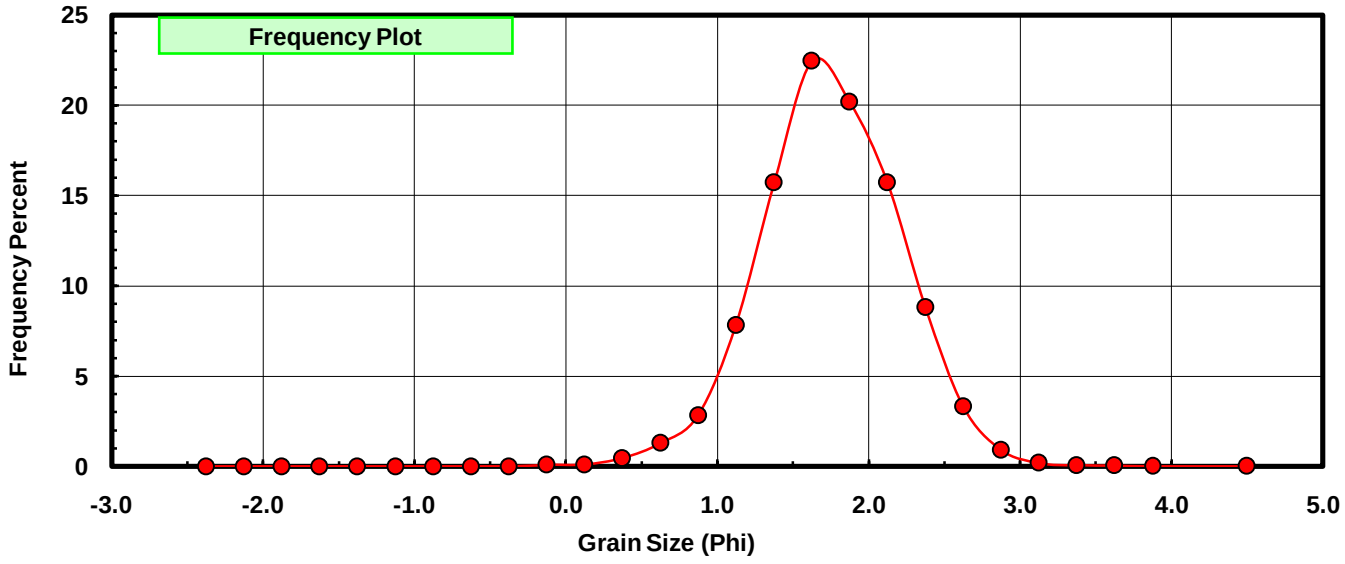
Statistical Explanation

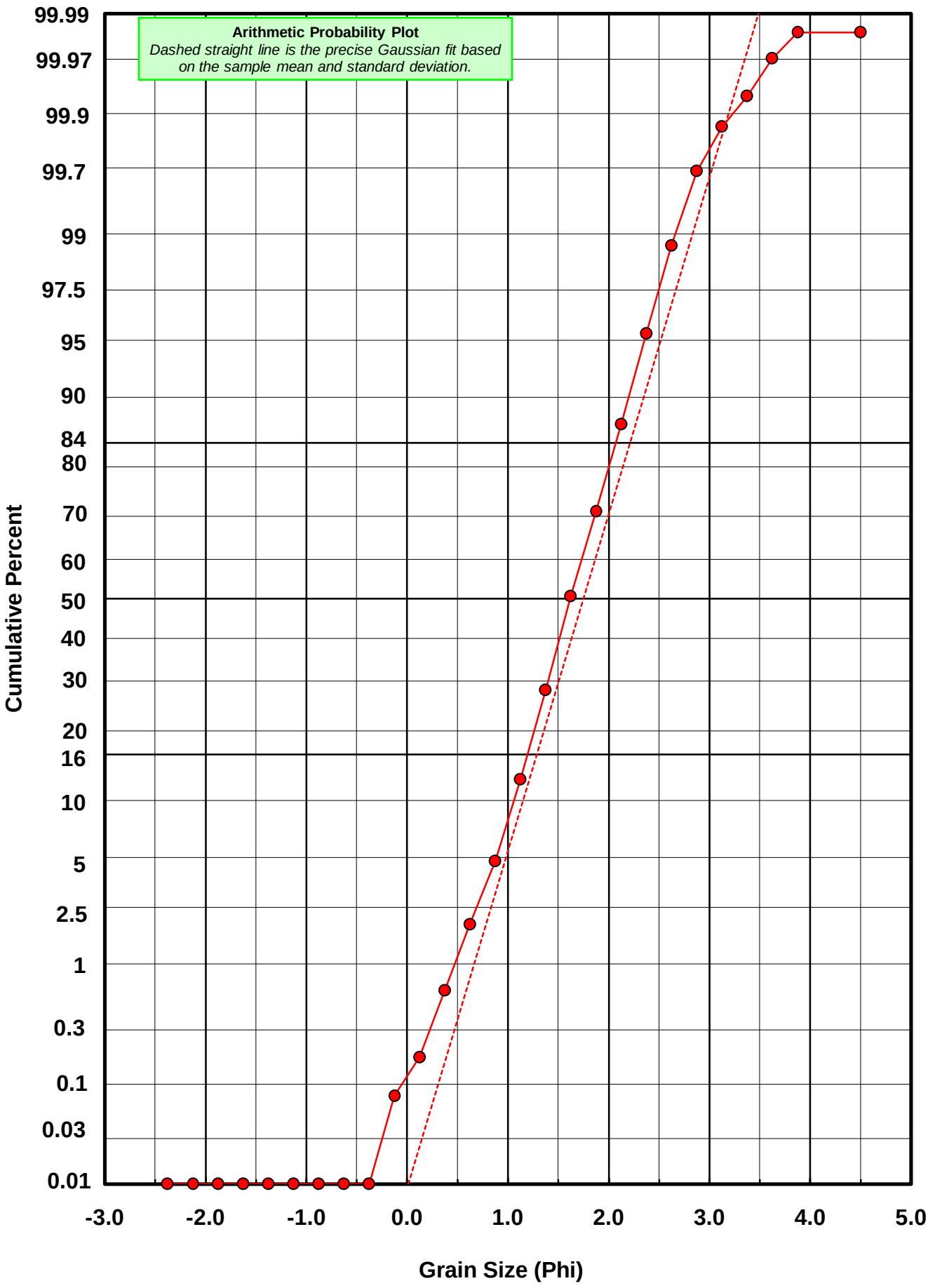
Calculations based on the Method of Moments
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0

For Further Explanation, See Basillle 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-59-BB
Arithmetic Probability Plot
Dashed straight line is the precise Gaussian fit based on the sample mean and standard deviation.
Cumulative Percent
99.99
99.97
99.9
99.7
99
97.5
95
90
84
80
70
60
50
40
30
20
16
10
5
2.5
1
0.3
0.1
0.03
0.01
-3.0
-2.0
-1.0
0.0
1.0
2.0
3.0
4.0
5.0
Grain Size (Phi)