Onshore Grab Sample

Sample: FK-56
Sample Taken By: D. Phelps
Sample Collected On: 12/8/10
Splits? N/A

County: Franklin
Latitude: 29° 54' 23.3" N
Longitude: 84° 25' 44.7" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	55.769	grams
Total Fines in Sample	0.313	grams
Total Percent Fines	0.56	%

Dry Sieving Summary

Total Sample Weight	55.431	grams
Total Digested Weight	54.035	grams
Total Carbonate Weight	1.396	grams
Total Silica %	97.48	%
Total Carbonate %	2.52	%
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-56

Total Sample Mass: 55.431 grams

Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.376	0.678	0.678
-2.00	-2.125	0.000	0.000	0.678
-1.75	-1.875	0.055	0.099	0.778
-1.50	-1.625	0.058	0.105	0.882
-1.25	-1.375	0.122	0.220	1.102
-1.00	-1.125	0.120	0.216	1.319
-0.75	-0.875	0.082	0.148	1.467
-0.50	-0.625	0.146	0.263	1.730
-0.25	-0.375	0.165	0.298	2.028
0.00	-0.125	0.180	0.325	2.352
0.25	0.125	0.332	0.599	2.951
0.50	0.375	0.839	1.514	4.465
0.75	0.625	1.255	2.264	6.729
1.00	0.875	2.014	3.633	10.362
1.25	1.125	2.161	3.899	14.261
1.50	1.375	3.033	5.472	19.733
1.75	1.625	3.272	5.903	25.635
2.00	1.875	3.136	5.657	31.293
2.25	2.125	4.553	8.214	39.507
2.50	2.375	7.141	12.883	52.389
2.75	2.625	11.464	20.682	73.071
3.00	2.875	11.604	20.934	94.005
3.25	3.125	2.715	4.898	98.903
3.50	3.375	0.484	0.873	99.776
3.75	3.625	0.099	0.179	99.955
4.00	3.875	0.020	0.036	99.991
5.00	4.50	0.005	0.009	100.000

Statistical Results			
Mean:	2.1599	phi	(0.2238 mm)
Standard Dev:	0.9007	phi-units	(0.5356 mm)
Skewness:	-1.8431	dimensionless	
Kurtosis:	7.9364	dimensionless	
5th Moment:	-32.6353	dimensionless	
6th Moment:	149.8580	dimensionless	
RARD *	0.4170	dimensionless	
Median	2.3286	phi	(0.1991 mm)

* RARD = reciprocal absolute relative dispersion (see below)

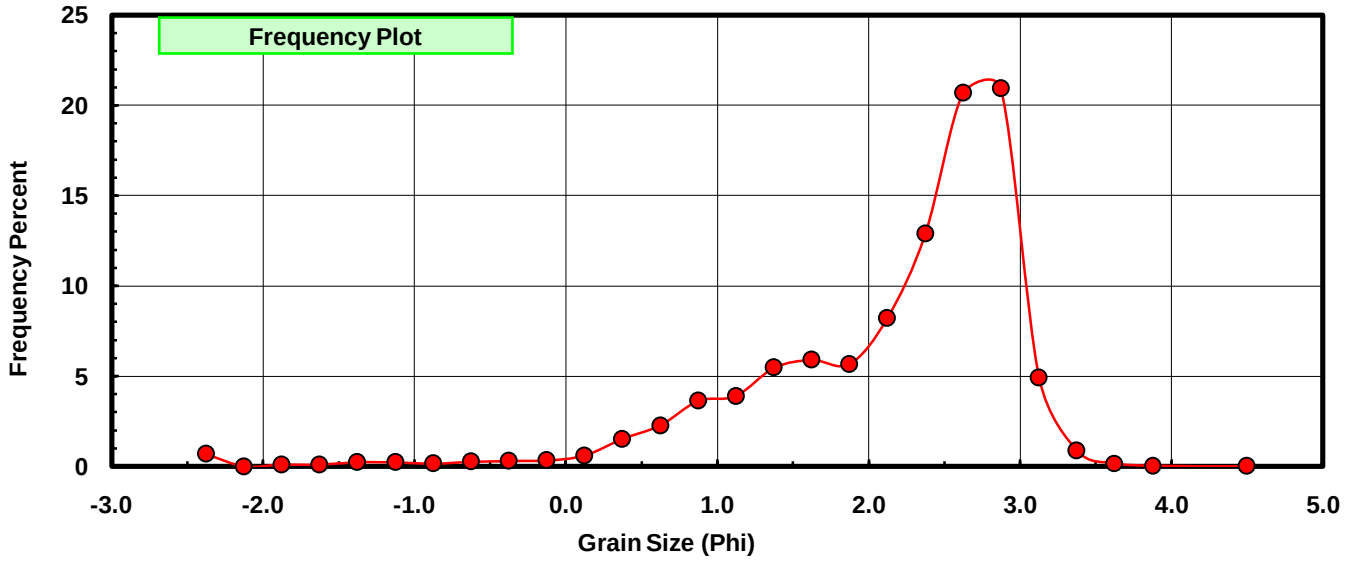
Statistical Explanation

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

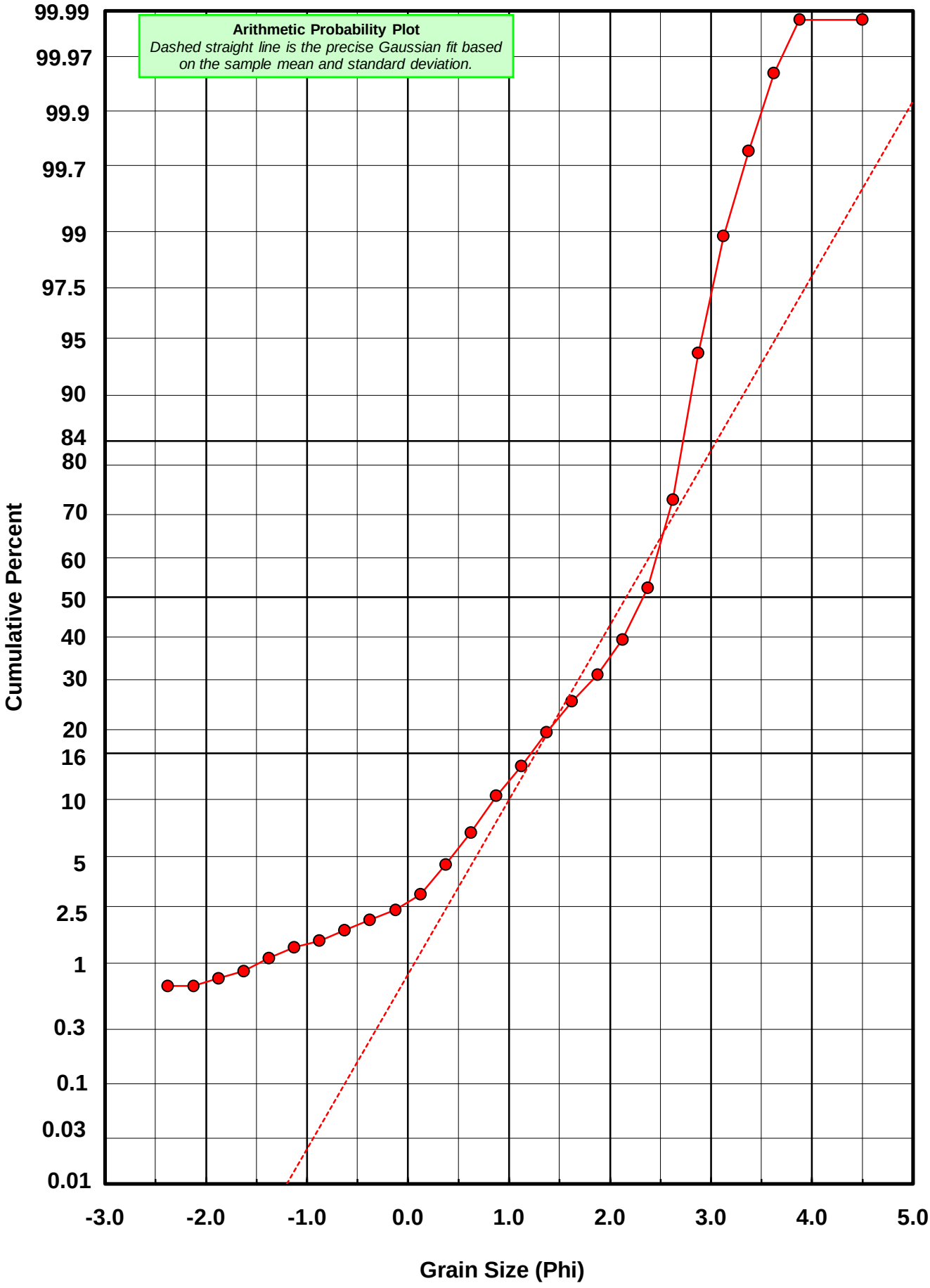
For Further Explanation, See Basillle et al. 2002

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-56


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)