Onshore Grab Sample

Sample: WL-14-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/16/11
Splits? N/A

County: Walton
Latitude: 30° 19' 52.2" N
Longitude: 86° 10' 38.5" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	47.779	grams
Total Fines in Sample	0.003	grams
Total Percent Fines	0.01	%

Dry Sieving Summary

Total Sample Weight	47.715	grams
Total Digested Weight	47.603	grams
Total Carbonate Weight	0.112	grams
Total Silica %	99.77	%
Total Carbonate %	0.23	%
Carbonate/Silica Ratio	0.002	

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: WL-14-BB

Total Sample Mass: 47.715 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	0.000	0.000	0.000
0.25	0.125	0.000	0.000	0.000
0.50	0.375	0.025	0.052	0.052
0.75	0.625	0.055	0.115	0.168
1.00	0.875	0.285	0.597	0.765
1.25	1.125	0.751	1.574	2.339
1.50	1.375	3.768	7.897	10.236
1.75	1.625	10.804	22.643	32.879
2.00	1.875	16.407	34.385	67.264
2.25	2.125	10.391	21.777	89.041
2.50	2.375	4.029	8.444	97.485
2.75	2.625	0.749	1.570	99.055
3.00	2.875	0.315	0.660	99.715
3.25	3.125	0.083	0.174	99.889
3.50	3.375	0.033	0.069	99.958
3.75	3.625	0.010	0.021	99.979
4.00	3.875	0.007	0.015	99.994
5.00	4.50	0.003	0.006	100.000

Statistical Results			
Mean:	1.8780	phi	(0.2721 mm)
Standard Dev:	0.3318	phi-units	(0.7945 mm)
Skewness:	0.1494	dimensionless	
Kurtosis:	4.6281	dimensionless	
5th Moment:	4.8257	dimensionless	
6th Moment:	62.2751	dimensionless	
RARD *	0.1767	dimensionless	
Median	1.7495	phi	(0.2974 mm)
* RARD = reciprocal absolute relative dispersion (see below)			

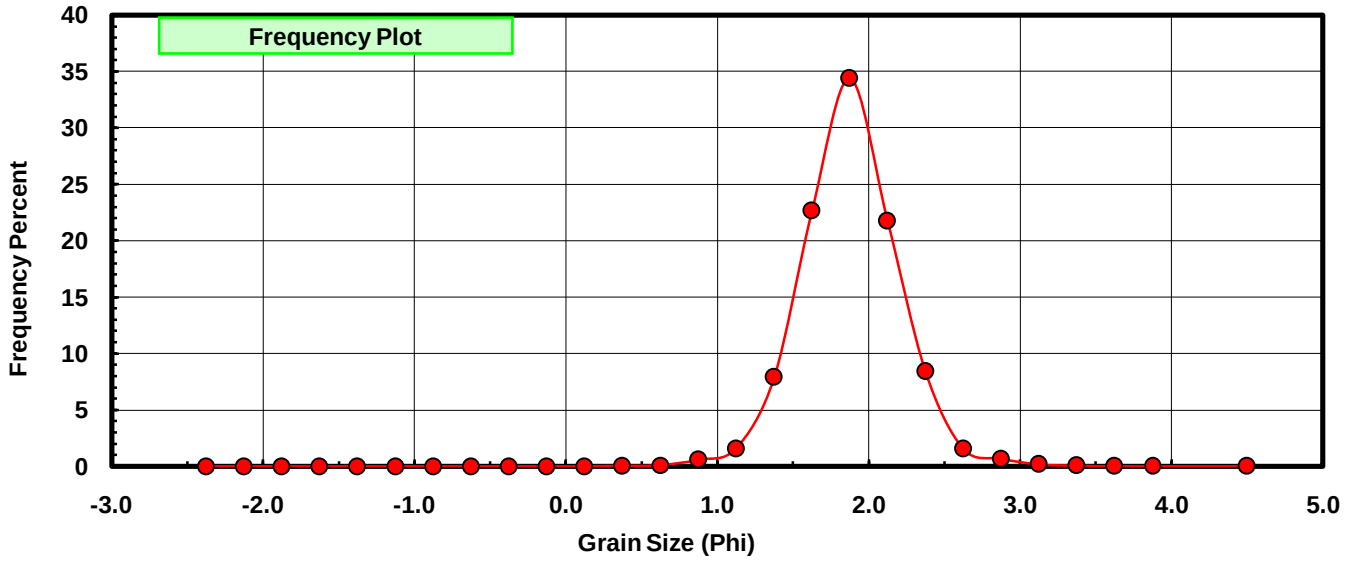
Statistical Explanation

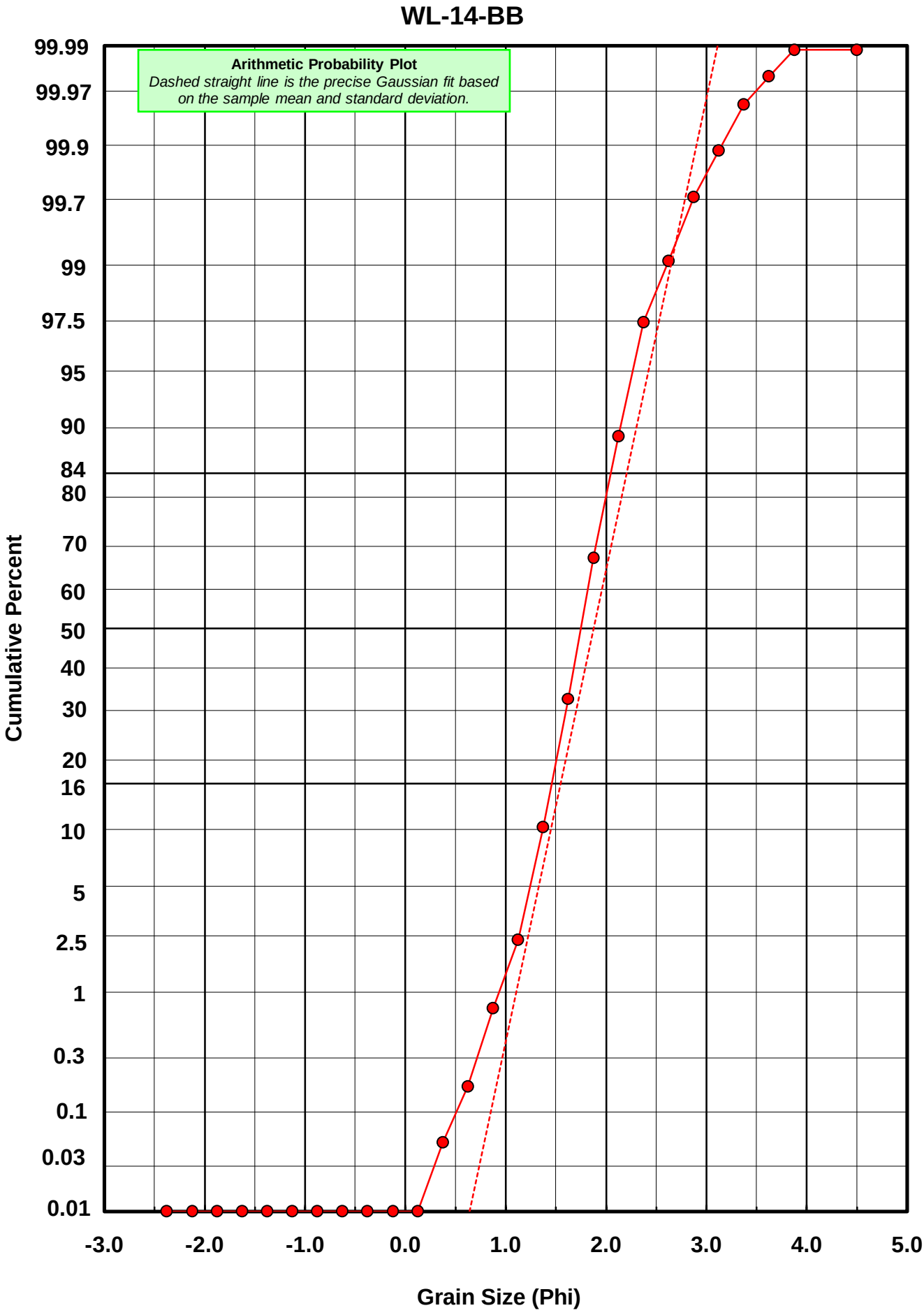
Calculations based on the Method of Moments
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0

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)




WL-14-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)