Onshore Grab Sample

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

County: Walton
Latitude: 30° 19' 18.8" N
Longitude: 86° 8' 49.6" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	45.884	grams
Total Fines in Sample	0.015	grams
Total Percent Fines	0.03	%

Dry Sieving Summary

Total Sample Weight	45.803	grams
Total Digested Weight	45.740	grams
Total Carbonate Weight	0.063	grams
Total Silica %	99.86	%
Total Carbonate %	0.14	%
Carbonate/Silica Ratio	0.001	

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-16-BB

Total Sample Mass: 45.803 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	0.017	0.037	0.037
0.75	0.625	0.023	0.050	0.087
1.00	0.875	0.148	0.323	0.410
1.25	1.125	0.424	0.926	1.336
1.50	1.375	2.511	5.482	6.818
1.75	1.625	7.668	16.741	23.560
2.00	1.875	12.179	26.590	50.150
2.25	2.125	8.050	17.575	67.725
2.50	2.375	5.748	12.549	80.274
2.75	2.625	4.156	9.074	89.348
3.00	2.875	3.504	7.650	96.998
3.25	3.125	0.971	2.120	99.118
3.50	3.375	0.341	0.744	99.862
3.75	3.625	0.057	0.124	99.987
4.00	3.875	0.004	0.009	99.996
5.00	4.50	0.002	0.004	100.000

Statistical Results			
Mean:	2.0858	phi	(0.2356 mm)
Standard Dev:	0.4678	phi-units	(0.7231 mm)
Skewness:	0.4432	dimensionless	
Kurtosis:	2.8877	dimensionless	
5th Moment:	2.6326	dimensionless	
6th Moment:	14.6437	dimensionless	
RARD *	0.2243	dimensionless	
Median	1.8736	phi	(0.2729 mm)

* RARD = reciprocal absolute relative dispersion (see below)

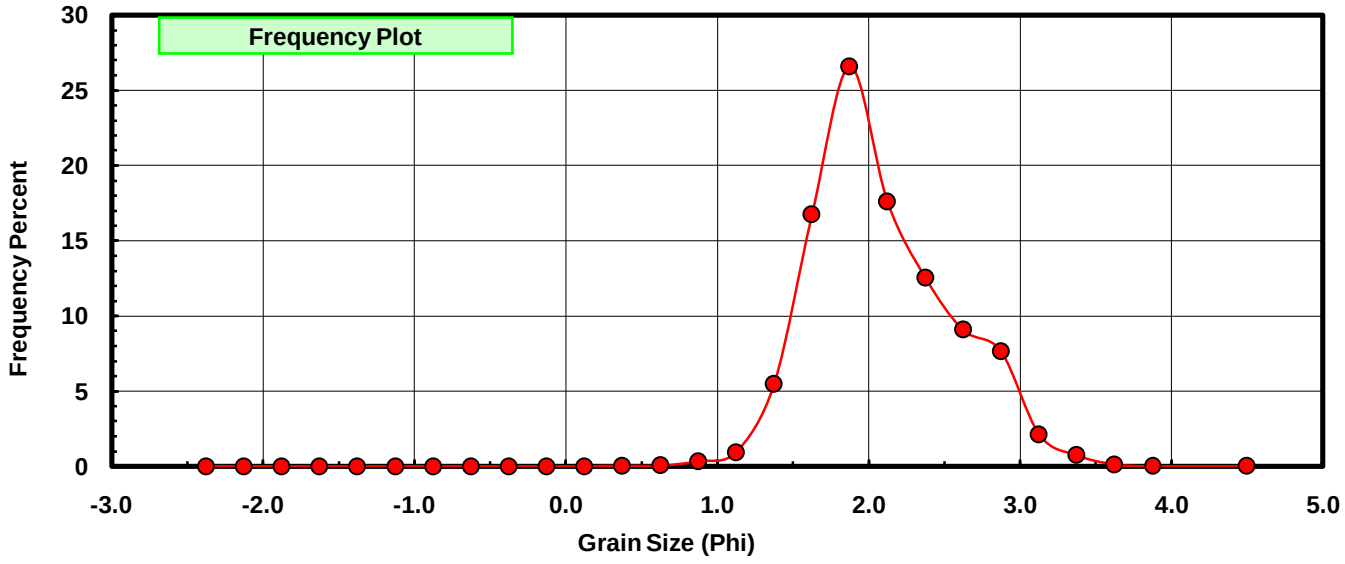
Statistical Explanation

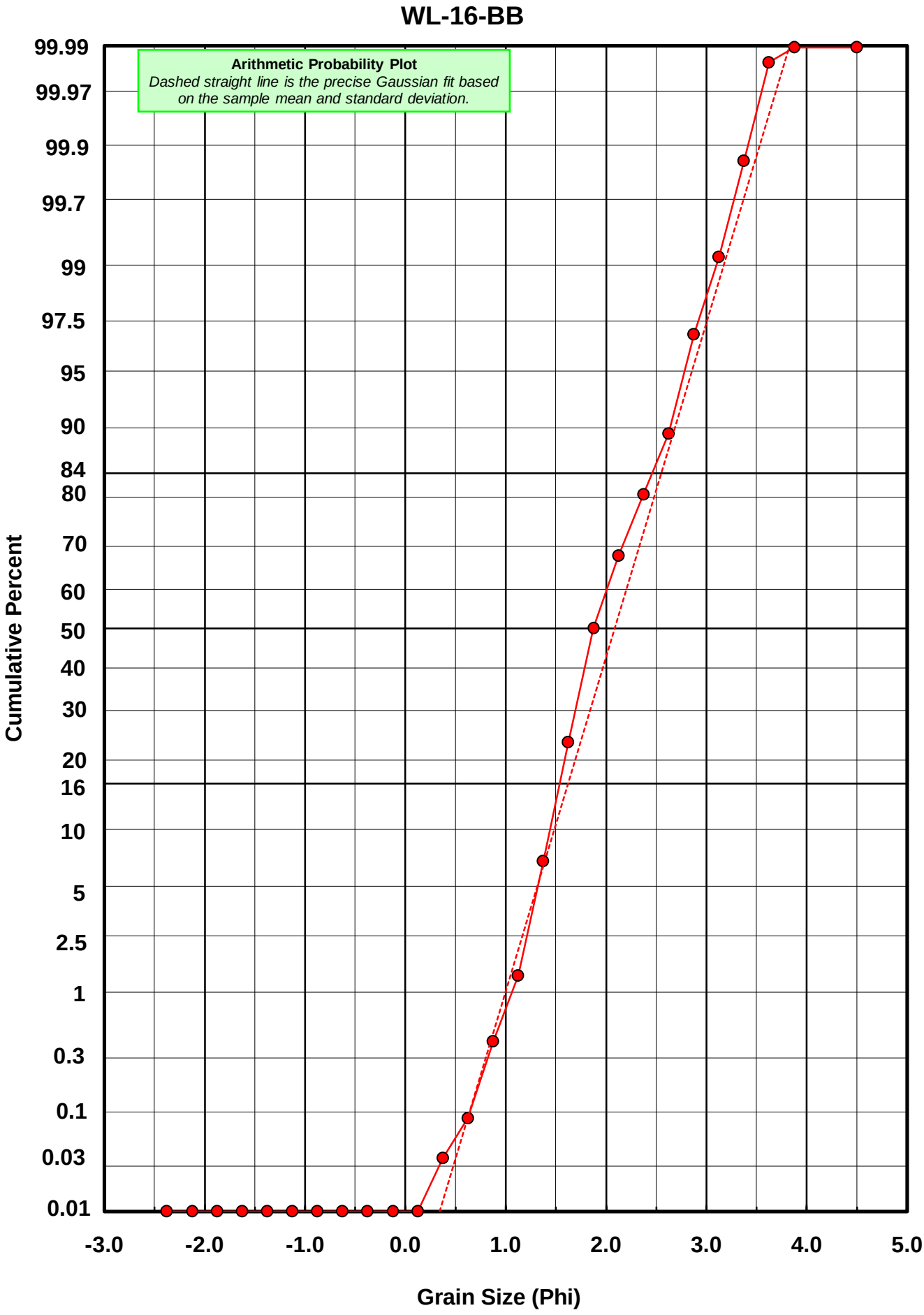
Calculations based on the Method of Moments
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0

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-16-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)