Onshore Grab Sample

Sample: WL-23-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/15/11
Splits? N/A

County: Walton
Latitude: 30° 17' 11.8" N
Longitude: 86° 2' 29.7" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	44.897	grams
Total Fines in Sample	0.545	grams
Total Percent Fines	1.20	%

Dry Sieving Summary

Total Sample Weight	44.325	grams
Total Digested Weight	44.277	grams
Total Carbonate Weight	0.048	grams
Total Silica %	99.89	%
Total Carbonate %	0.11	%
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-23-BB

Total Sample Mass: 44.325 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	0.042	0.095	0.095
-0.25	-0.375	0.071	0.160	0.255
0.00	-0.125	0.171	0.386	0.641
0.25	0.125	0.323	0.729	1.369
0.50	0.375	0.721	1.627	2.996
0.75	0.625	0.876	1.976	4.972
1.00	0.875	1.795	4.050	9.022
1.25	1.125	2.110	4.760	13.782
1.50	1.375	5.858	13.216	26.998
1.75	1.625	9.947	22.441	49.439
2.00	1.875	12.635	28.505	77.945
2.25	2.125	6.780	15.296	93.241
2.50	2.375	2.492	5.622	98.863
2.75	2.625	0.398	0.898	99.761
3.00	2.875	0.063	0.142	99.903
3.25	3.125	0.020	0.045	99.948
3.50	3.375	0.010	0.023	99.971
3.75	3.625	0.001	0.002	99.973
4.00	3.875	0.009	0.020	99.993
5.00	4.50	0.003	0.007	100.000

Statistical Results			
Mean:	1.6771	phi	(0.3127 mm)
Standard Dev:	0.4820	phi-units	(0.716 mm)
Skewness:	-1.0531	dimensionless	
Kurtosis:	5.2047	dimensionless	
5th Moment:	-12.1651	dimensionless	
6th Moment:	57.0622	dimensionless	
RARD *	0.2874	dimensionless	
Median	1.6299	phi	(0.3231 mm)
* RARD = reciprocal absolute relative dispersion (see below)			

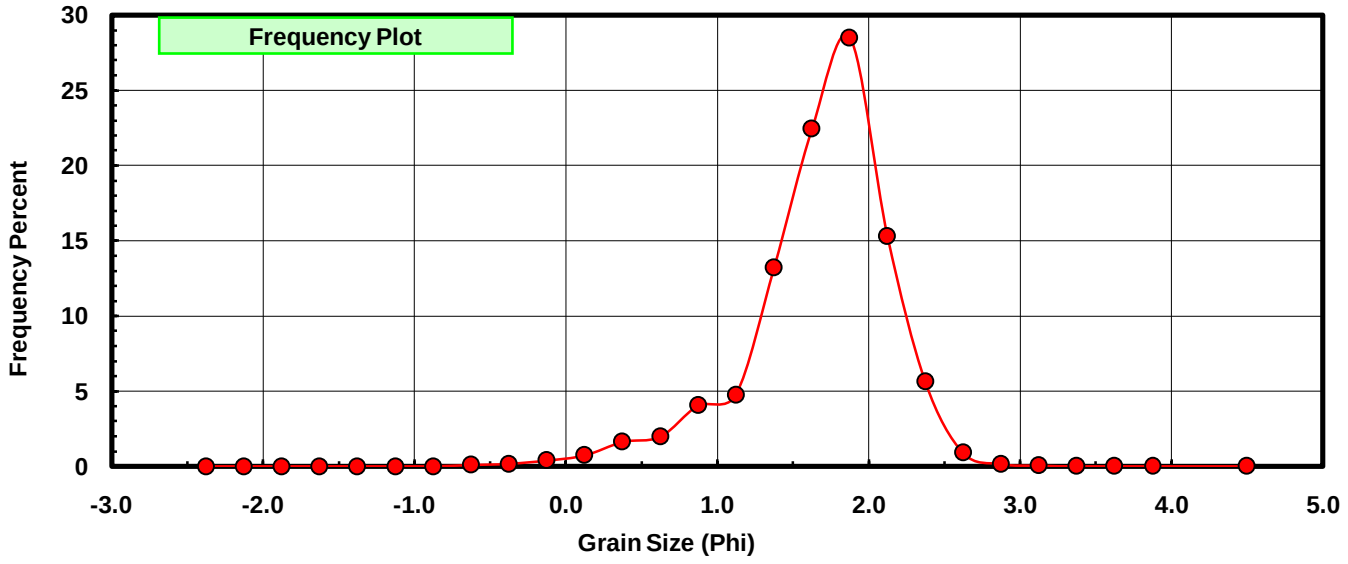
Statistical Explanation

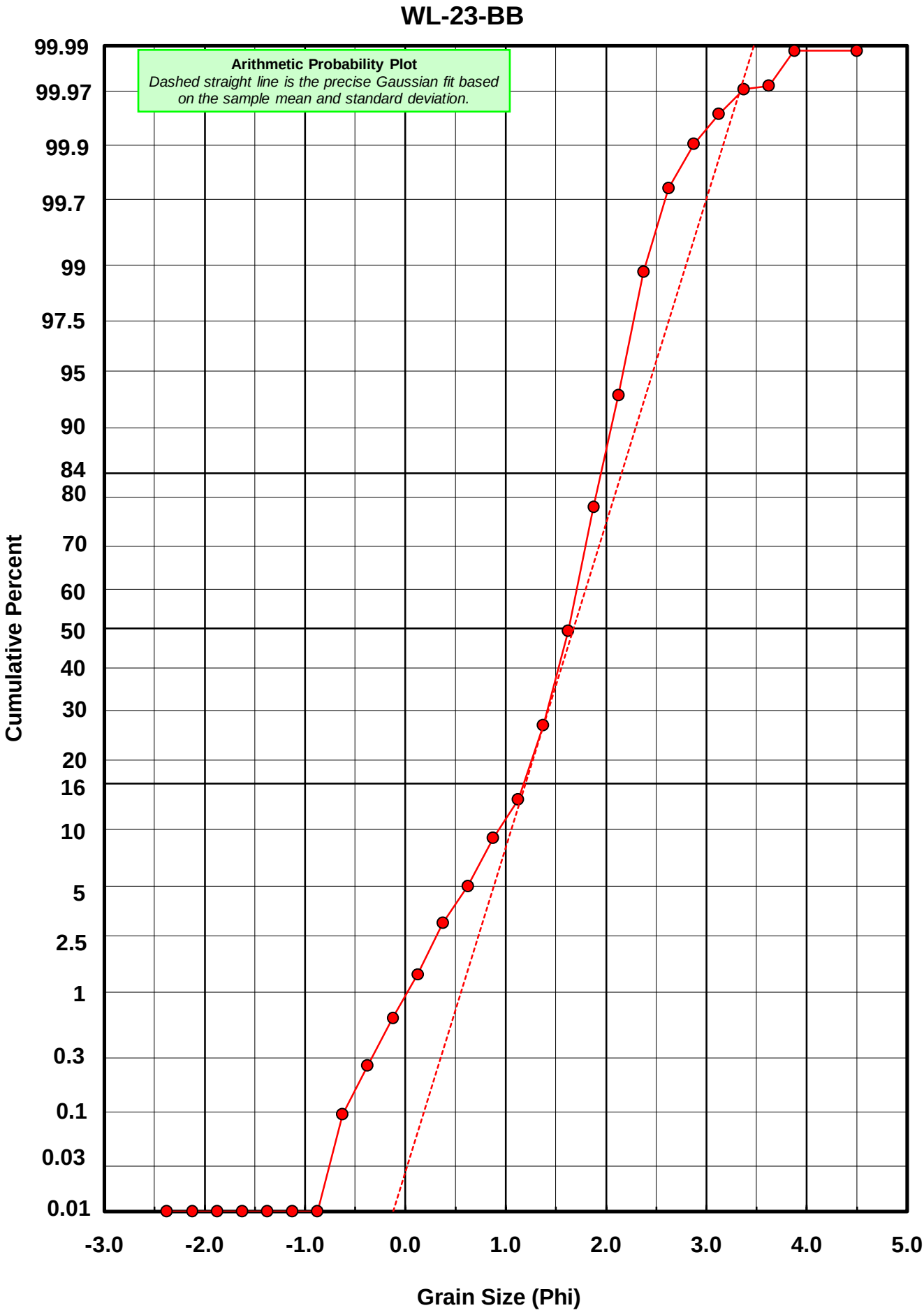
Calculations based on the Method of Moments
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0

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-23-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)