Onshore Grab Sample

Sample: WL-06-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/16/11
Splits? N/A

County: Walton
Latitude: 30° 21' 52.6" N
Longitude: 86° 18' 14.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	52.373	grams
Total Fines in Sample	0.041	grams
Total Percent Fines	0.08	%

Dry Sieving Summary

Total Sample Weight	52.101	grams
Total Digested Weight	52.070	grams
Total Carbonate Weight	0.031	grams
Total Silica %	99.94	%
Total Carbonate %	0.06	%
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-06-BB

Total Sample Mass: 52.101 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	0.049	0.094	0.094
0.75	0.625	0.214	0.411	0.505
1.00	0.875	1.325	2.543	3.048
1.25	1.125	2.834	5.439	8.487
1.50	1.375	9.199	17.656	26.143
1.75	1.625	15.133	29.046	55.189
2.00	1.875	14.658	28.134	83.323
2.25	2.125	5.756	11.048	94.371
2.50	2.375	1.929	3.702	98.073
2.75	2.625	0.629	1.207	99.280
3.00	2.875	0.288	0.553	99.833
3.25	3.125	0.058	0.111	99.944
3.50	3.375	0.020	0.038	99.983
3.75	3.625	0.004	0.008	99.990
4.00	3.875	0.002	0.004	99.994
5.00	4.50	0.003	0.006	100.000

Statistical Results			
Mean:	1.7044	phi	(0.3069 mm)
Standard Dev:	0.3635	phi-units	(0.7773 mm)
Skewness:	0.1556	dimensionless	
Kurtosis:	4.2002	dimensionless	
5th Moment:	4.4391	dimensionless	
6th Moment:	44.4730	dimensionless	
RARD *	0.2133	dimensionless	
Median	1.5803	phi	(0.3344 mm)

* RARD = reciprocal absolute relative dispersion (see below)

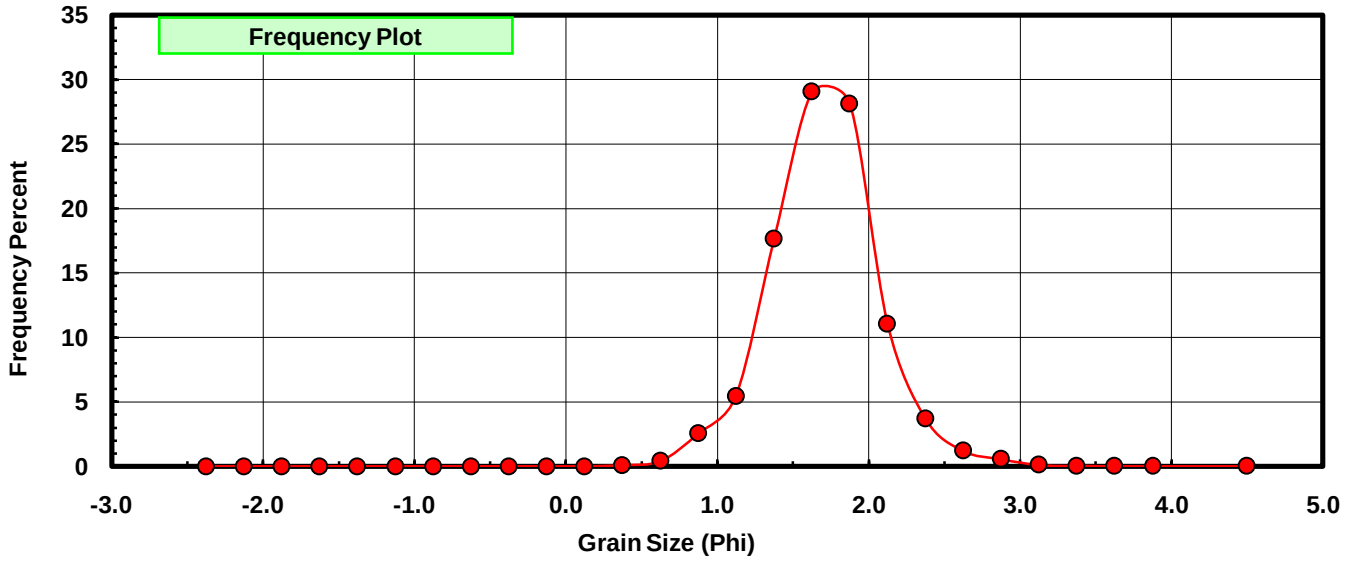
Statistical Explanation

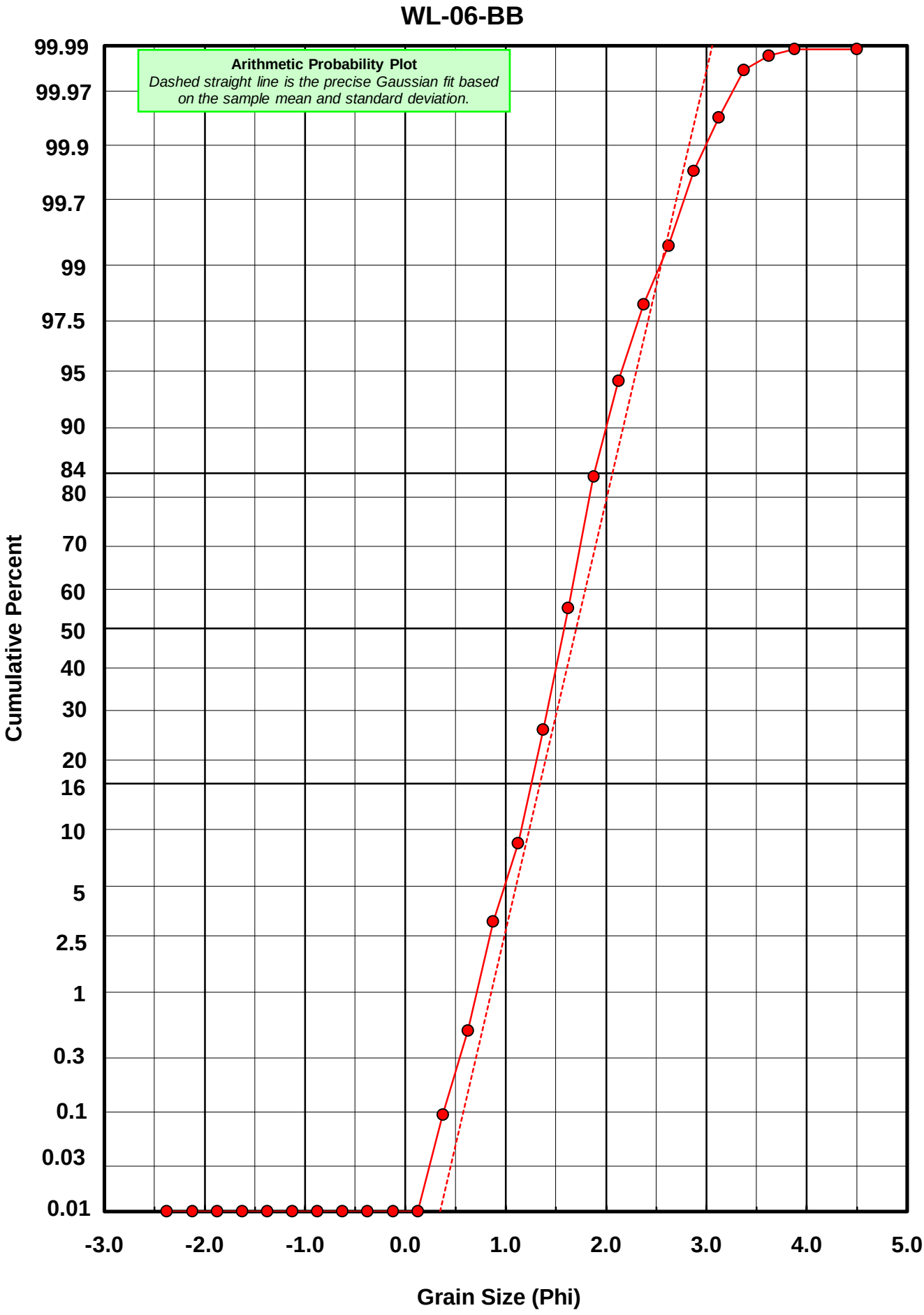
Calculations based on the Method of Moments
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0

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-06-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)