Onshore Grab Sample

Sample: WL-26-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/15/11
Splits? N/A

County: Walton
Latitude: 30° 16' 13.3" N
Longitude: 85° 59' 51.5" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	48.961	grams
Total Fines in Sample	0.044	grams
Total Percent Fines	0.09	%

Dry Sieving Summary

Total Sample Weight	48.911	grams
Total Digested Weight	48.829	grams
Total Carbonate Weight	0.082	grams
Total Silica %	99.83	%
Total Carbonate %	0.17	%
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-26-BB

Total Sample Mass: 48.911 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	0.013	0.027	0.027
-0.50	-0.625	0.127	0.260	0.286
-0.25	-0.375	0.096	0.196	0.483
0.00	-0.125	0.222	0.454	0.936
0.25	0.125	0.382	0.781	1.717
0.50	0.375	0.954	1.950	3.668
0.75	0.625	1.701	3.478	7.146
1.00	0.875	4.561	9.325	16.471
1.25	1.125	4.539	9.280	25.751
1.50	1.375	8.067	16.493	42.244
1.75	1.625	9.134	18.675	60.919
2.00	1.875	8.787	17.965	78.884
2.25	2.125	4.923	10.065	88.949
2.50	2.375	2.928	5.986	94.936
2.75	2.625	1.326	2.711	97.647
3.00	2.875	0.731	1.495	99.141
3.25	3.125	0.238	0.487	99.628
3.50	3.375	0.123	0.251	99.879
3.75	3.625	0.039	0.080	99.959
4.00	3.875	0.013	0.027	99.986
5.00	4.50	0.007	0.014	100.000

Statistical Results			
Mean:	1.5784	phi	(0.3349 mm)
Standard Dev:	0.5961	phi-units	(0.6615 mm)
Skewness:	-0.1837	dimensionless	
Kurtosis:	3.7536	dimensionless	
5th Moment:	-1.9673	dimensionless	
6th Moment:	27.5008	dimensionless	
RARD *	0.3777	dimensionless	
Median	1.4788	phi	(0.3588 mm)

* RARD = reciprocal absolute relative dispersion (see below)

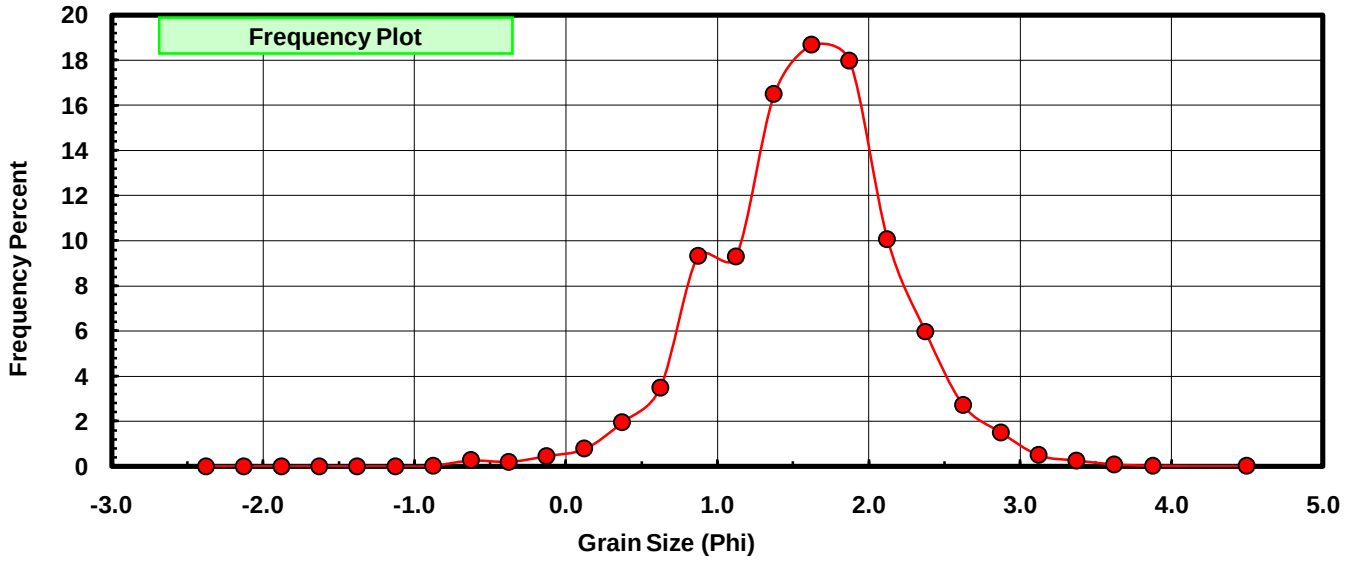
Statistical Explanation

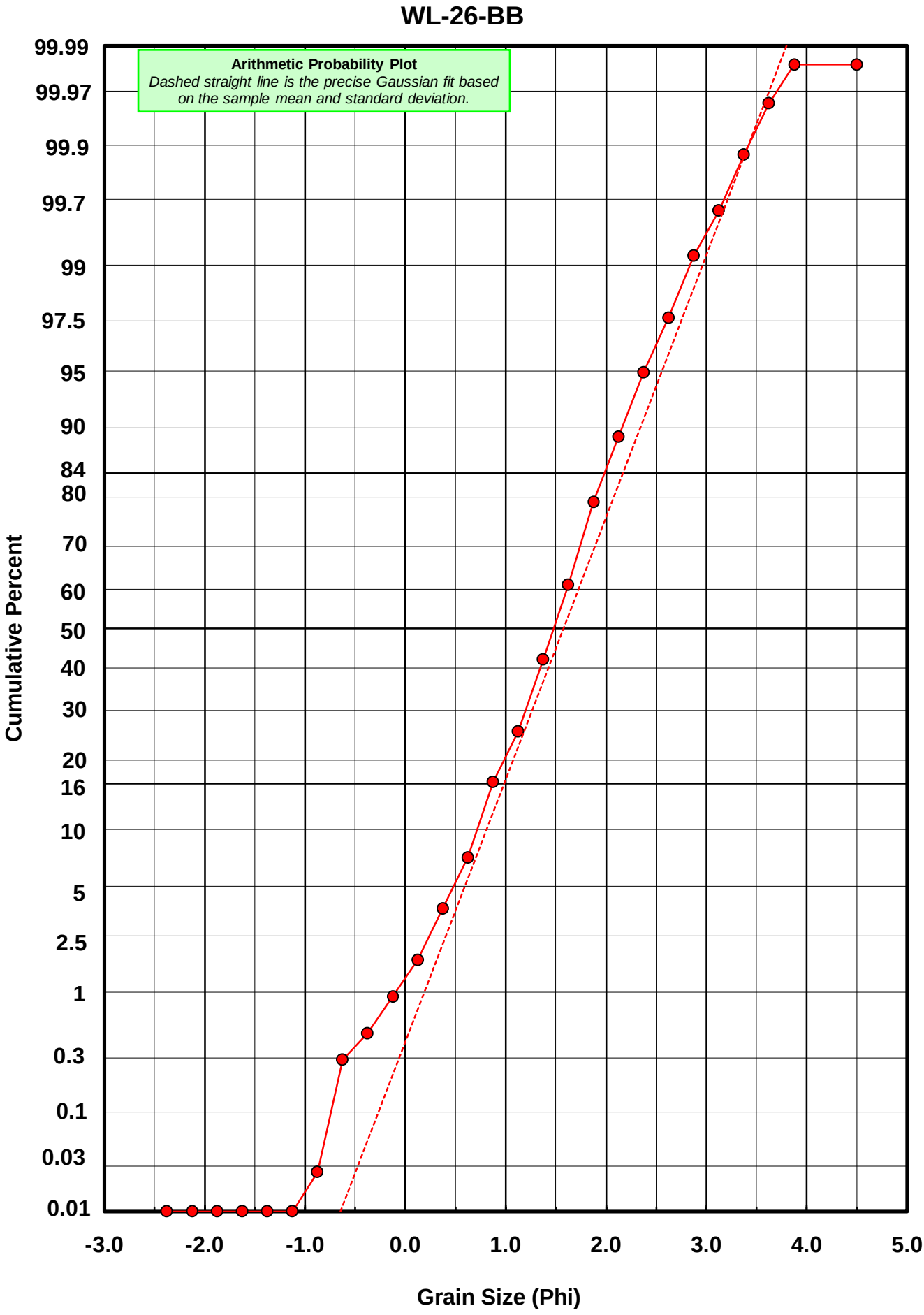
Calculations based on the Method of Moments
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0

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-26-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)