Onshore Grab Sample

Sample: WL-19-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/16/11
Splits? N/A

County: Walton
Latitude: 30° 18' 28.1" N
Longitude: 86° 6' 5.8" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	59.311	grams
Total Fines in Sample	0.009	grams
Total Percent Fines	0.02	%

Dry Sieving Summary

Total Sample Weight	59.268	grams
Total Digested Weight	59.253	grams
Total Carbonate Weight	0.015	grams
Total Silica %	99.97	%
Total Carbonate %	0.03	%
Carbonate/Silica Ratio	0.000	

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-19-BB

Total Sample Mass: 59.268 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	0.052	0.088	0.088
0.75	0.625	0.155	0.262	0.349
1.00	0.875	0.700	1.181	1.530
1.25	1.125	1.548	2.612	4.142
1.50	1.375	6.864	11.581	15.723
1.75	1.625	14.315	24.153	39.876
2.00	1.875	17.702	29.868	69.744
2.25	2.125	9.253	15.612	85.356
2.50	2.375	4.305	7.264	92.620
2.75	2.625	2.212	3.732	96.352
3.00	2.875	1.599	2.698	99.050
3.25	3.125	0.388	0.655	99.705
3.50	3.375	0.143	0.241	99.946
3.75	3.625	0.025	0.042	99.988
4.00	3.875	0.004	0.007	99.995
5.00	4.50	0.003	0.005	100.000

Statistical Results			
Mean:	1.8639	phi	(0.2747 mm)
Standard Dev:	0.4158	phi-units	(0.7496 mm)
Skewness:	0.5013	dimensionless	
Kurtosis:	4.0886	dimensionless	
5th Moment:	5.0839	dimensionless	
6th Moment:	31.9947	dimensionless	
RARD *	0.2231	dimensionless	
Median	1.7097	phi	(0.3057 mm)

* RARD = reciprocal absolute relative dispersion (see below)

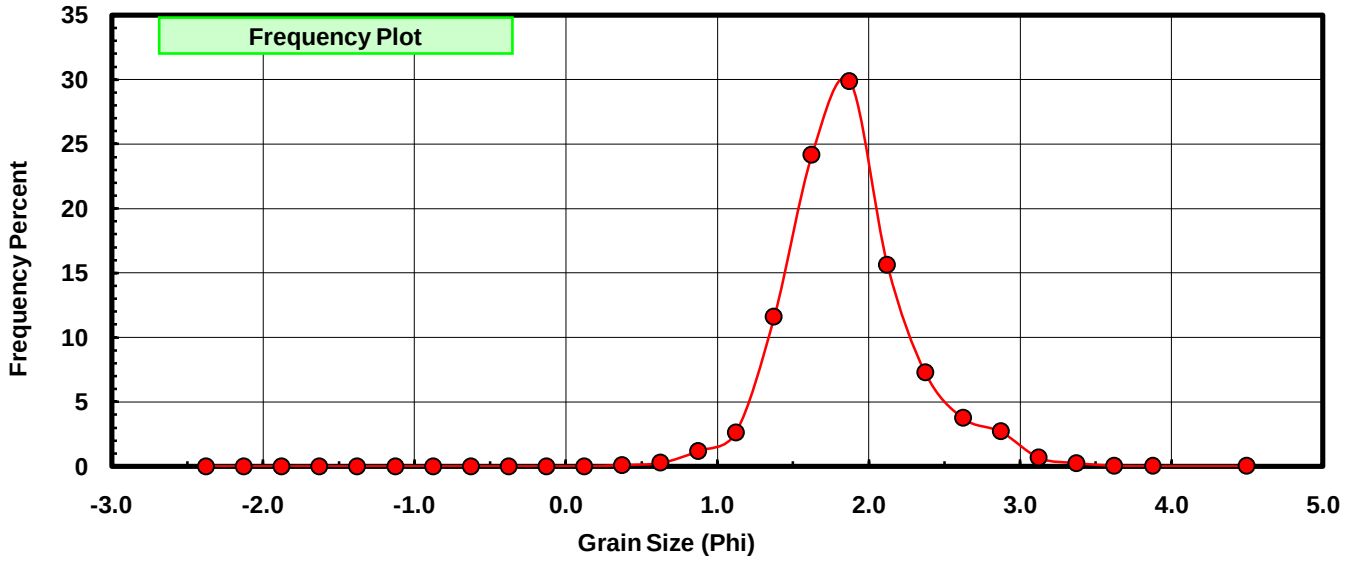
Statistical Explanation

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

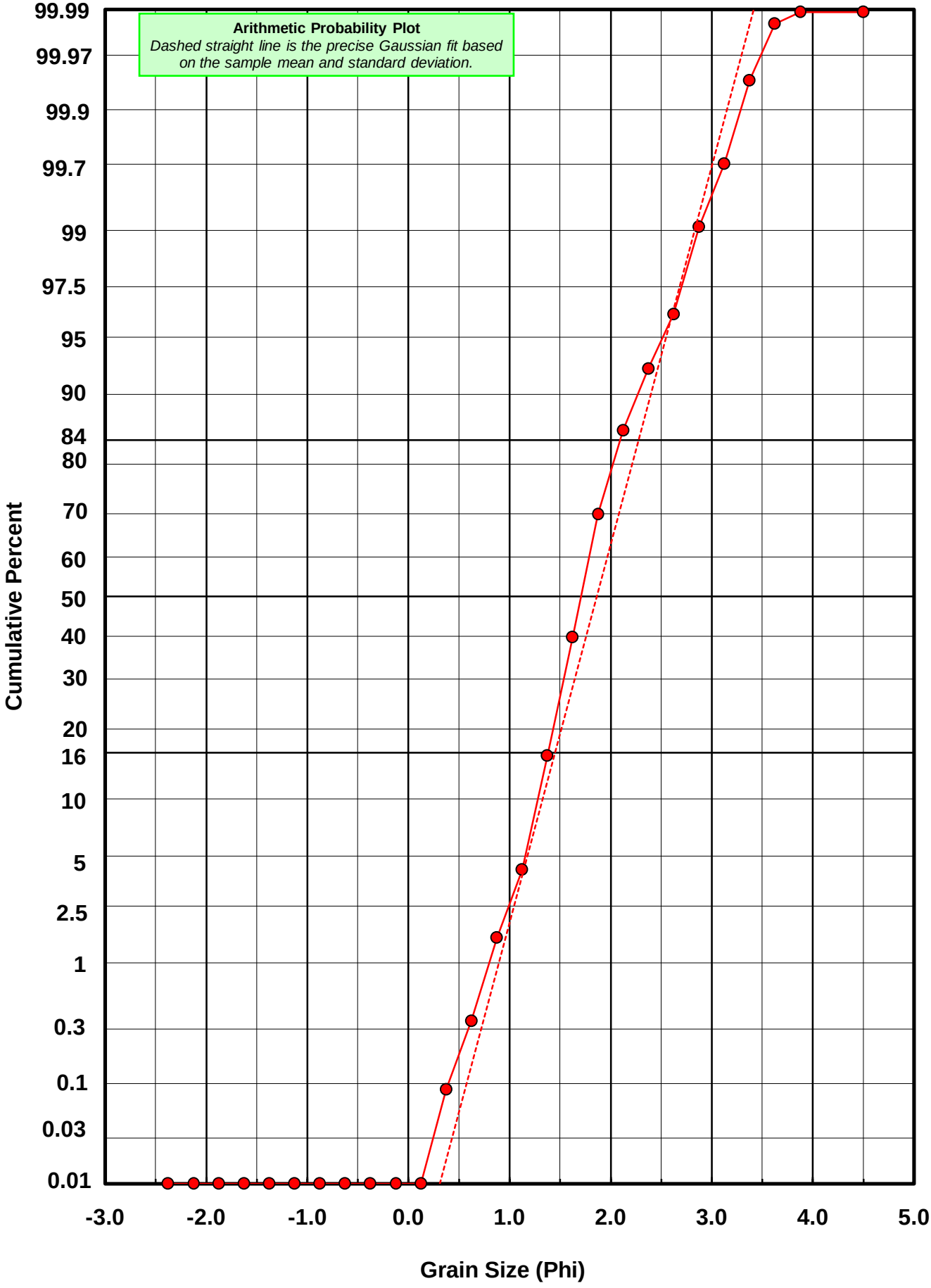
For Further Explanation, See Basillle et al. 2002

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-19-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)