Onshore Grab Sample

Sample: WL-22-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/15/11
Splits? N/A

County: Walton
Latitude: 30° 17' 31.1" N
Longitude: 86° 3' 23.1" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	48.539	grams
Total Fines in Sample	0.089	grams
Total Percent Fines	0.18	%

Dry Sieving Summary

Total Sample Weight	48.590	grams
Total Digested Weight	48.741	grams
Total Carbonate Weight	-0.151	grams
Total Silica %	100.31	%
Total Carbonate %	-0.31	%
Carbonate/Silica Ratio	-0.003	

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-22-BB

Total Sample Mass: 48.590 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	0.032	0.066	0.066
-0.50	-0.625	0.088	0.181	0.247
-0.25	-0.375	0.054	0.111	0.358
0.00	-0.125	0.131	0.270	0.628
0.25	0.125	0.202	0.416	1.043
0.50	0.375	0.365	0.751	1.795
0.75	0.625	0.540	1.111	2.906
1.00	0.875	1.471	3.027	5.933
1.25	1.125	2.119	4.361	10.294
1.50	1.375	5.857	12.054	22.348
1.75	1.625	10.449	21.504	43.853
2.00	1.875	12.231	25.172	69.024
2.25	2.125	6.806	14.007	83.031
2.50	2.375	3.889	8.004	91.035
2.75	2.625	2.062	4.244	95.279
3.00	2.875	1.493	3.073	98.352
3.25	3.125	0.471	0.969	99.321
3.50	3.375	0.235	0.484	99.804
3.75	3.625	0.070	0.144	99.949
4.00	3.875	0.012	0.025	99.973
5.00	4.50	0.013	0.027	100.000

Statistical Results			
Mean:	1.8120	phi	(0.2848 mm)
Standard Dev:	0.5448	phi-units	(0.6855 mm)
Skewness:	-0.2957	dimensionless	
Kurtosis:	5.1662	dimensionless	
5th Moment:	-6.7389	dimensionless	
6th Moment:	57.0116	dimensionless	
RARD *	0.3007	dimensionless	
Median	1.6861	phi	(0.3108 mm)
* RARD = reciprocal absolute relative dispersion (see below)			

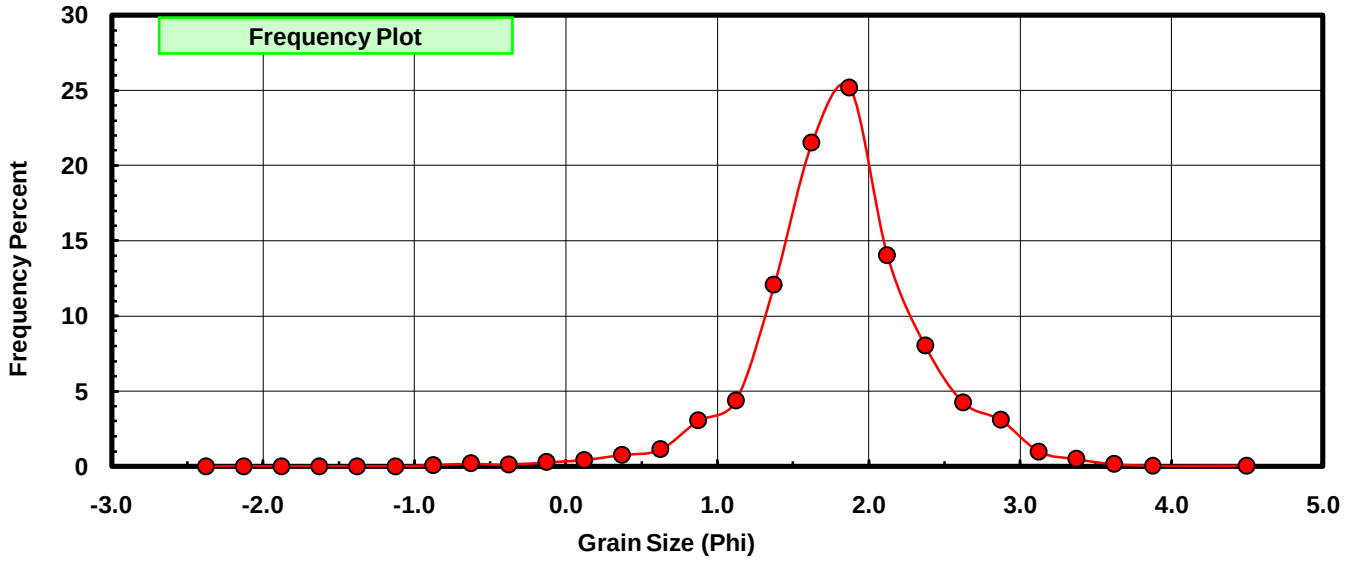
Statistical Explanation

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

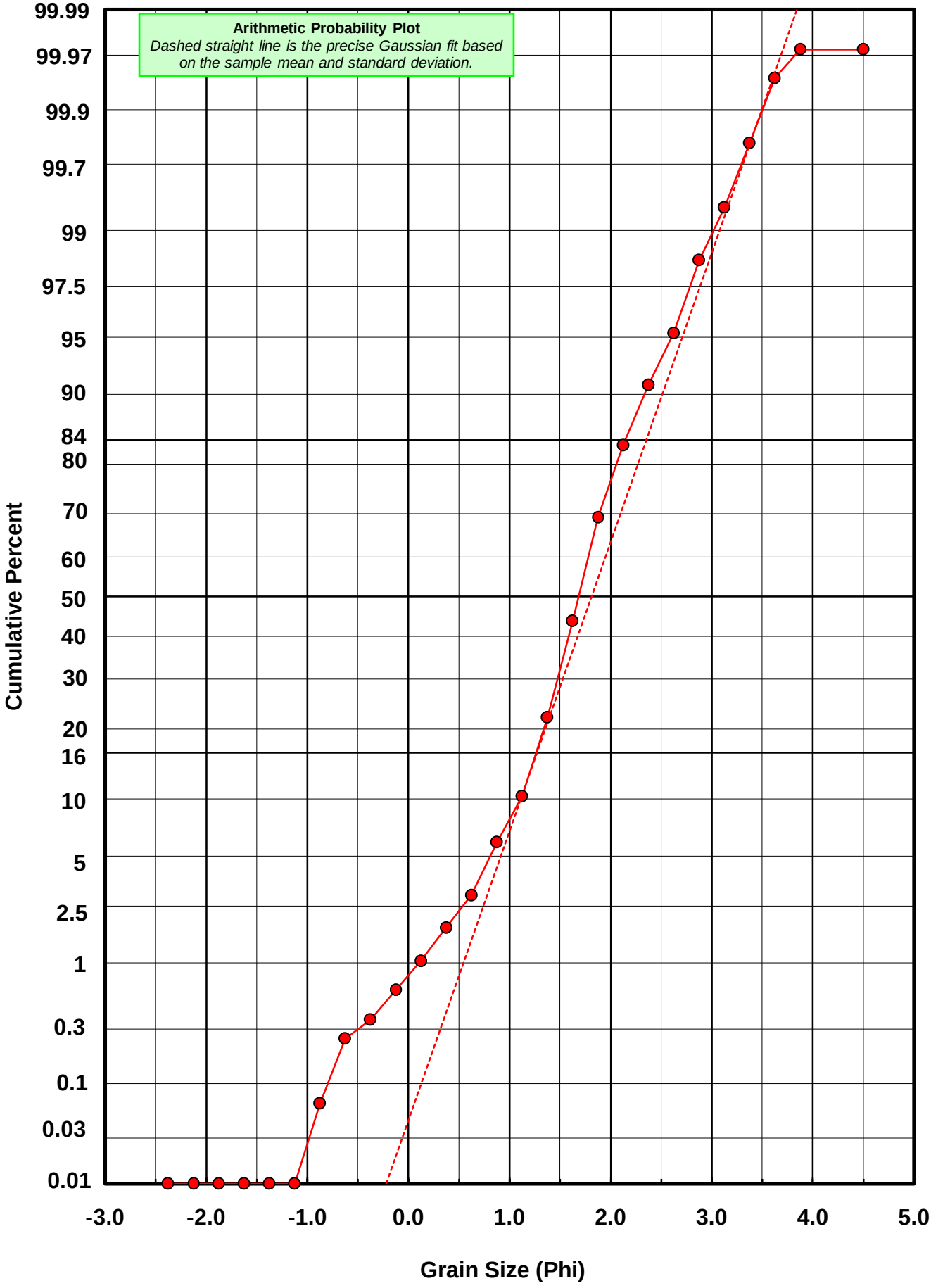
For Further Explanation, See Basillle et al. 2002

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-22-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)