Onshore Grab Sample

Sample: WK-10
Sample Taken By: D. Phelps
Sample Collected On: 1/7/11
Splits? N/A

County: Wakulla
Latitude: 30° 3' 33.1" N
Longitude: 84° 17' 8.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	65.258	grams
Total Fines in Sample	0.224	grams
Total Percent Fines	0.34	%

Dry Sieving Summary

Total Sample Weight	64.950	grams
Total Digested Weight	63.682	grams
Total Carbonate Weight	1.268	grams
Total Silica %	98.05	%
Total Carbonate %	1.95	%
Carbonate/Silica Ratio	0.020	

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: WK-10

Total Sample Mass: 64.950 grams

Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.417	0.642	0.642
-2.00	-2.125	0.141	0.217	0.859
-1.75	-1.875	0.062	0.095	0.955
-1.50	-1.625	0.051	0.079	1.033
-1.25	-1.375	0.100	0.154	1.187
-1.00	-1.125	0.258	0.397	1.584
-0.75	-0.875	0.402	0.619	2.203
-0.50	-0.625	1.107	1.704	3.908
-0.25	-0.375	1.565	2.410	6.317
0.00	-0.125	2.315	3.564	9.881
0.25	0.125	2.681	4.128	14.009
0.50	0.375	4.615	7.105	21.115
0.75	0.625	5.105	7.860	28.975
1.00	0.875	5.292	8.148	37.122
1.25	1.125	4.359	6.711	43.834
1.50	1.375	4.551	7.007	50.841
1.75	1.625	3.651	5.621	56.462
2.00	1.875	2.728	4.200	60.662
2.25	2.125	2.712	4.176	64.838
2.50	2.375	2.642	4.068	68.905
2.75	2.625	3.674	5.657	74.562
3.00	2.875	9.586	14.759	89.321
3.25	3.125	5.093	7.841	97.162
3.50	3.375	1.381	2.126	99.289
3.75	3.625	0.405	0.624	99.912
4.00	3.875	0.041	0.063	99.975
5.00	4.50	0.016	0.025	100.000

Statistical Results			
Mean:	1.5362	phi	(0.3448 mm)
Standard Dev:	1.2194	phi-units	(0.4295 mm)
Skewness:	-0.3319	dimensionless	
Kurtosis:	2.4929	dimensionless	
5th Moment:	-3.5143	dimensionless	
6th Moment:	13.0074	dimensionless	
RARD *	0.7938	dimensionless	
Median	1.3450	phi	(0.3937 mm)

* RARD = reciprocal absolute relative dispersion (see below)

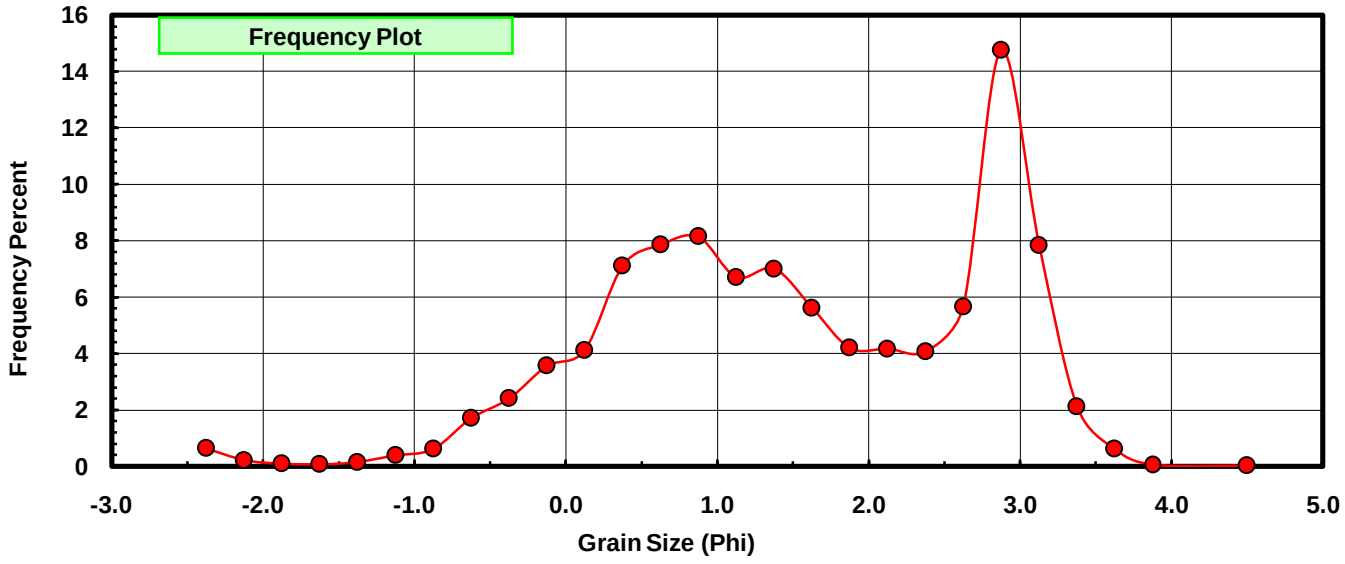
Statistical Explanation

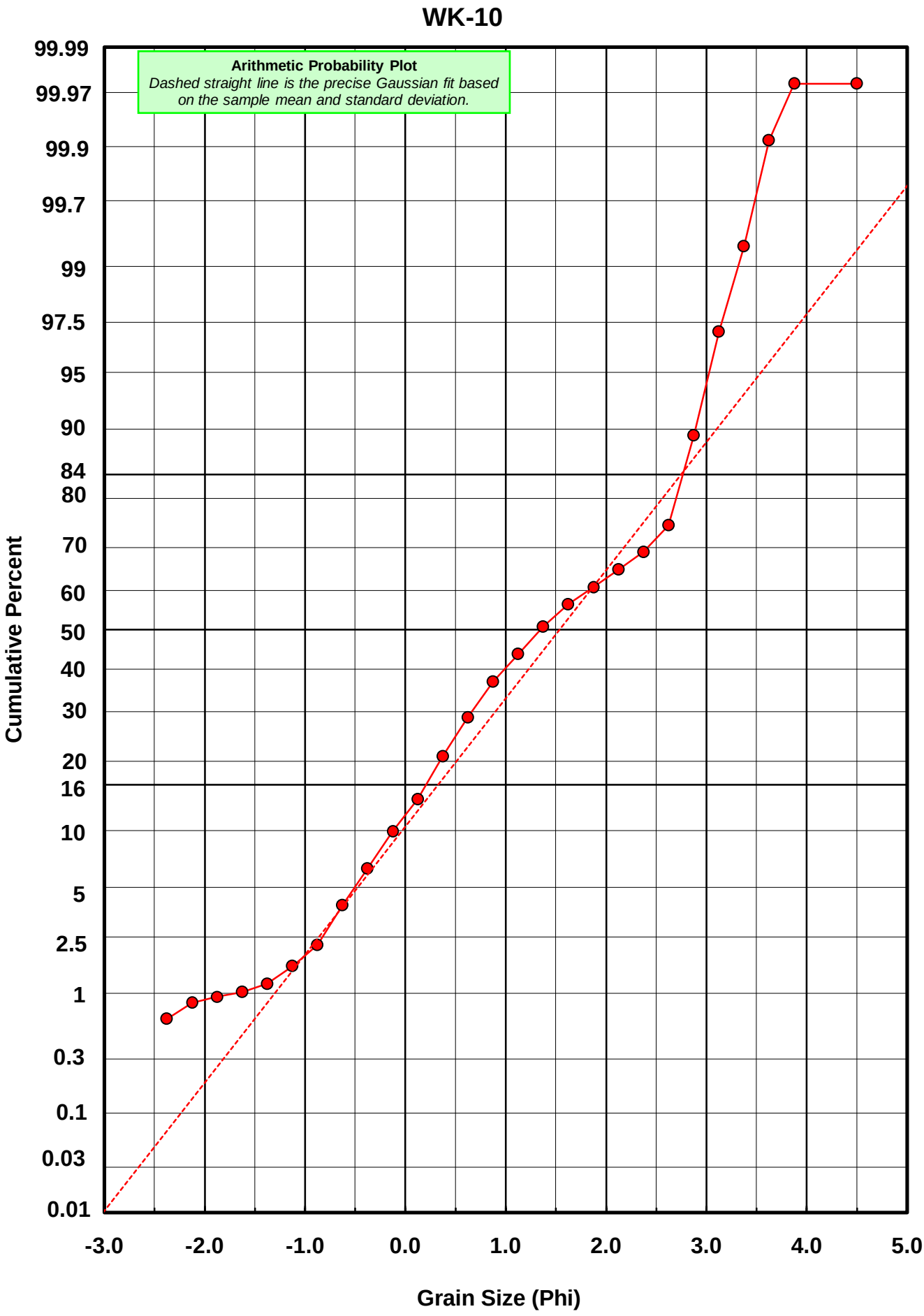
Calculations based on the Method of Moments
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0

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)




WK-10
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)