

Onshore Grab Sample

Sample: DU-16-MB
Sample Taken By: J. Ladner
Sample Collected On: 12/4/02
Splits? N/A

County: Duval
Latitude: 30° 26' 4.1"
Longitude: 81° 24' 26.7"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	57.657 grams
Total Fines in Sample	0.676 grams
Total Percent Fines	1.16 %

Dry Sieving Summary

Total Sample Weight	57.141 grams
Total Digested Weight	54.909 grams
Total Carbonate Weight	2.232 grams
Total Silica %	96.09 %
Total Carbonate %	3.91 %
Carbonate/Silica Ratio	0.041

General Comments:

None

Description

Worked By: C. Fischler
Reviewed and Edited By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: DU-16-MB

Total Sample Mass: 57.141 grams

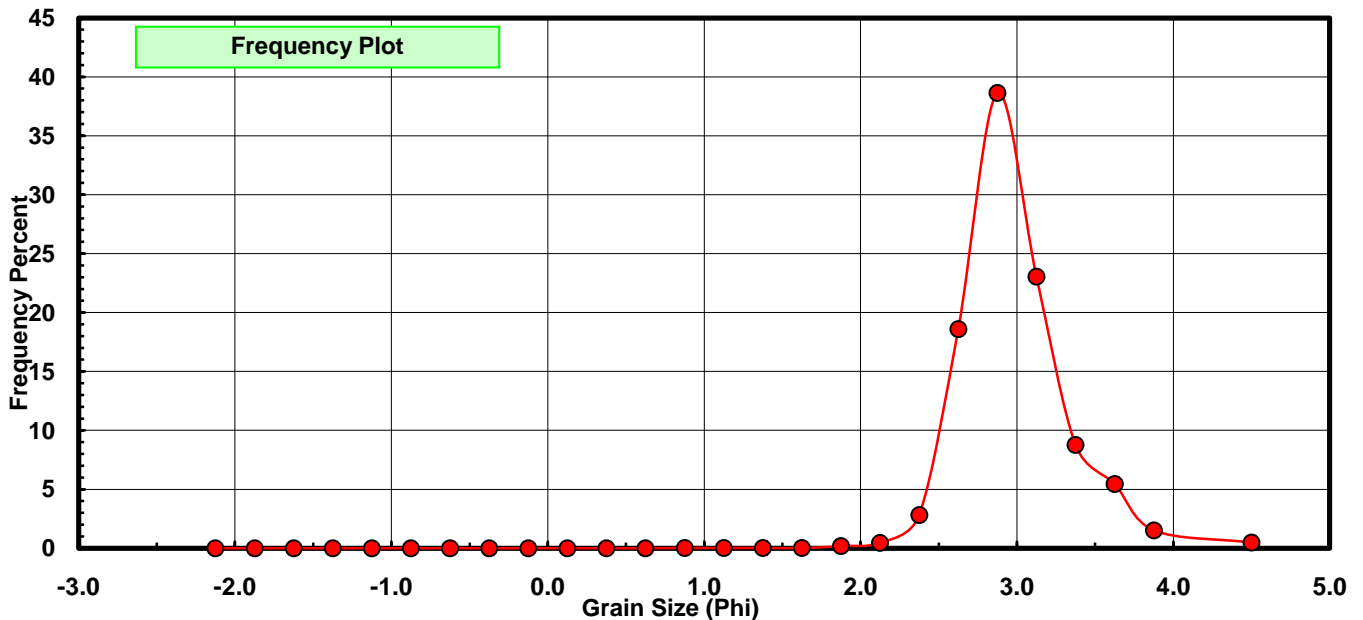
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-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	0.000	0.000	0.000
0.75	0.625	0.000	0.000	0.000
1.00	0.875	0.007	0.012	0.012
1.25	1.125	0.009	0.016	0.028
1.50	1.375	0.011	0.019	0.047
1.75	1.625	0.008	0.014	0.061
2.00	1.875	0.098	0.172	0.233
2.25	2.125	0.265	0.464	0.697
2.50	2.375	1.607	2.812	3.509
2.75	2.625	10.622	18.589	22.098
3.00	2.875	22.070	38.624	60.722
3.25	3.125	13.175	23.057	83.779
3.50	3.375	5.008	8.764	92.543
3.75	3.625	3.117	5.455	97.998
4.00	3.875	0.869	1.521	99.519
5.00	4.500	0.275	0.481	100.000

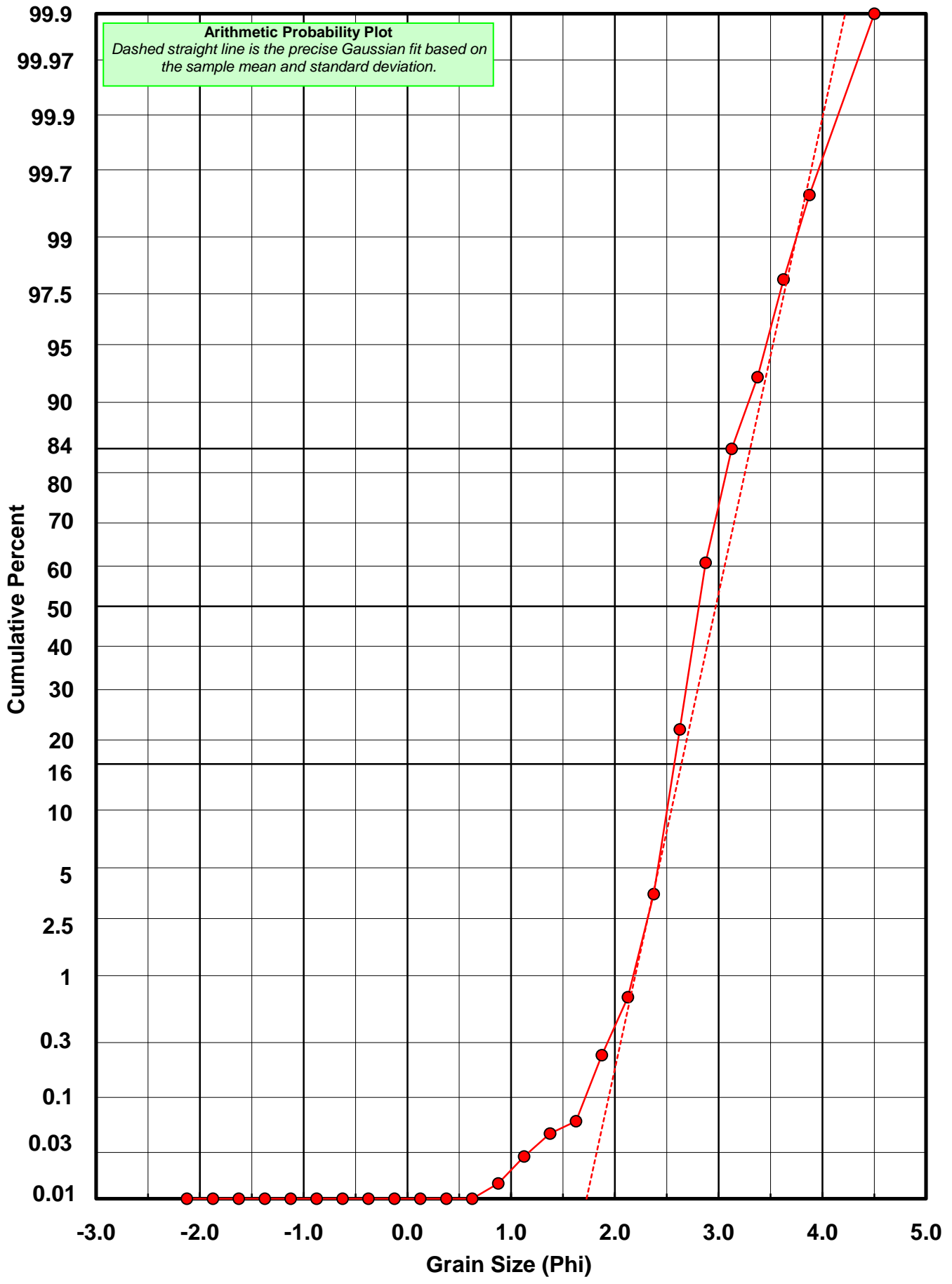
Statistical Results			
Mean:	2.9737	phi	(0.1273 mm)
Standard Dev:	0.3343	phi-units	(0.7932 mm)
Skewness:	0.7393	dimensionless	
Kurtosis:	5.3485	dimensionless	
5th Moment:	9.0969	dimensionless	
6th Moment:	73.4922	dimensionless	
RARD *	0.1124	dimensionless	
Median	2.8056	phi	(0.143 mm)

* 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 Calculation Sheets
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)





Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: DU-16-MB

Total Carbonate Mass: 3.894 grams

% Carbonate: 3.9 %

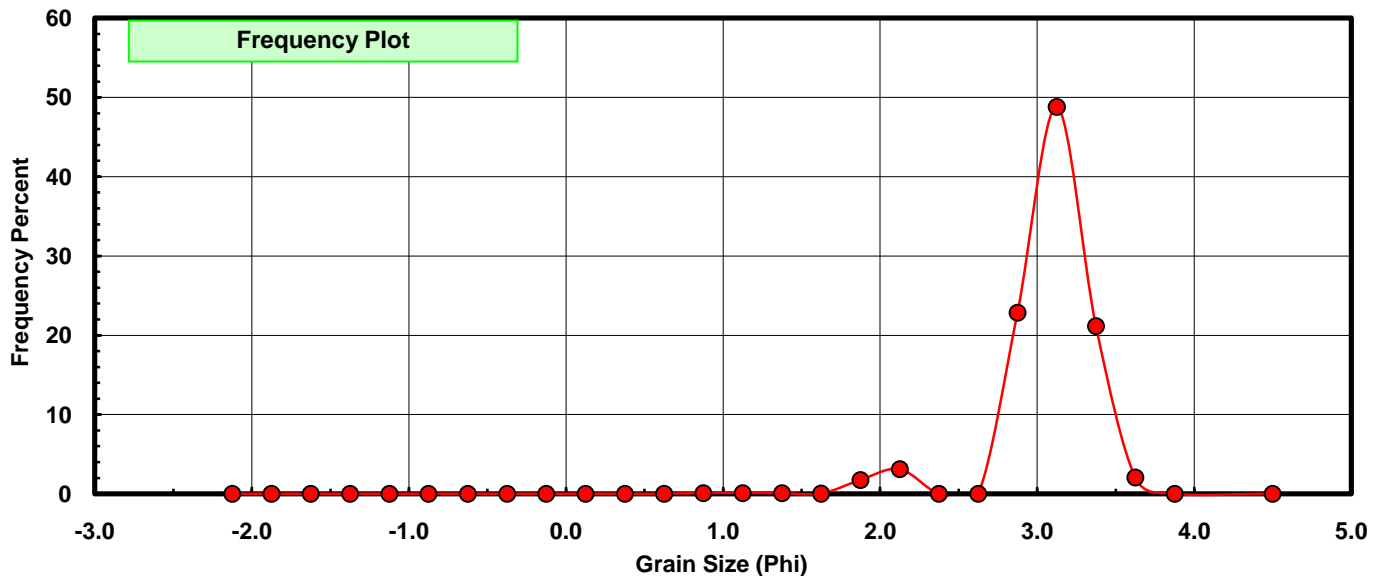
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-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	0.000	0.000	0.000
0.75	0.625	0.000	0.000	0.000
1.00	0.875	0.004	0.103	0.103
1.25	1.125	0.004	0.103	0.205
1.50	1.375	0.003	0.077	0.282
1.75	1.625	0.001	0.026	0.308
2.00	1.875	0.068	1.746	2.054
2.25	2.125	0.121	3.107	5.162
2.50	2.375	0.000	0.000	5.162
2.75	2.625	0.000	0.000	5.162
3.00	2.875	0.889	22.830	27.992
3.25	3.125	1.900	48.793	76.785
3.50	3.375	0.823	21.135	97.920
3.75	3.625	0.081	2.080	100.000
4.00	3.875	0.000	0.000	100.000
5.00	4.500	0.000	0.000	100.000

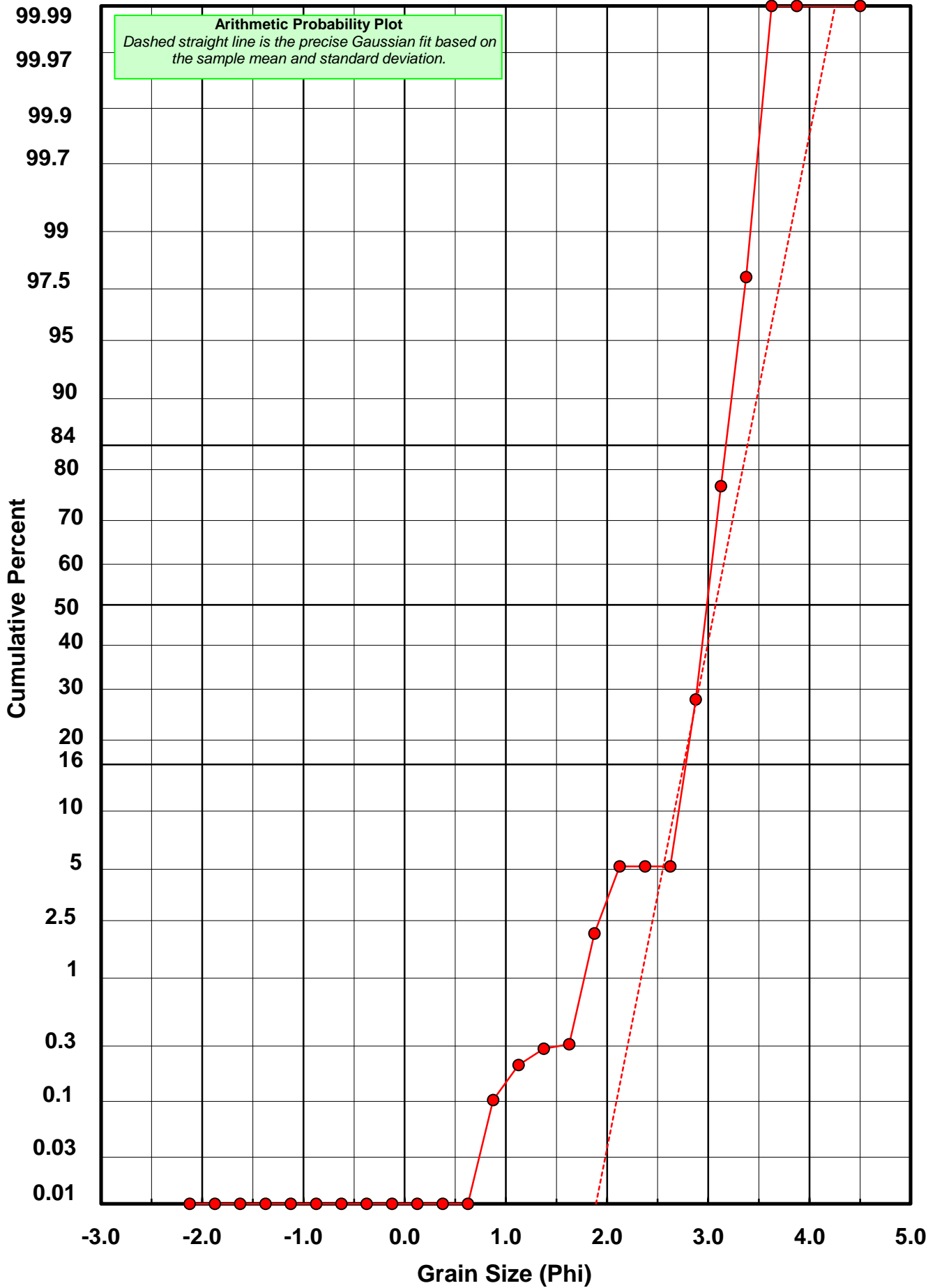
Statistical Results			
Mean:	3.0722	phi	(0.1189 mm)
Standard Dev:	0.3170	phi-units	(0.8027 mm)
Skewness:	-2.2502	dimensionless	
Kurtosis:	11.0085	dimensionless	
5th Moment:	-49.6398	dimensionless	
6th Moment:	263.0346	dimensionless	
RARD *	0.1032	dimensionless	
Median	2.9878	phi	(0.1261 mm)

* 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 Calculation Sheets	
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)





Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: DU-16-MB

Total Digested Mass: 54.710 grams

% Silica: 96.1 %

Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-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	0.000	0.000	0.000
0.75	0.625	0.000	0.000	0.000
1.00	0.875	0.003	0.005	0.005
1.25	1.125	0.005	0.009	0.015
1.50	1.375	0.008	0.015	0.029
1.75	1.625	0.007	0.013	0.042
2.00	1.875	0.030	0.055	0.097
2.25	2.125	0.144	0.263	0.360
2.50	2.375	1.708	3.122	3.482
2.75	2.625	12.237	22.367	25.849
3.00	2.875	21.181	38.715	64.564
3.25	3.125	11.275	20.609	85.173
3.50	3.375	4.185	7.649	92.822
3.75	3.625	3.036	5.549	98.371
4.00	3.875	0.891	1.629	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	2.9480	phi	(0.1296 mm)
Standard Dev:	0.3176	phi-units	(0.8024 mm)
Skewness:	0.6259	dimensionless	
Kurtosis:	3.7532	dimensionless	
5th Moment:	3.0931	dimensionless	
6th Moment:	29.5516	dimensionless	
RARD *	0.1077	dimensionless	
Median	2.7810	phi	(0.1455 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 Calculation Sheets	
Millimeter data calculated by $mm = 2^{(-phi)}$	

Reciprocal Absolute Relative Dispersion (RARD) Scale	
< 0.5	Excellent homogeneity (e.g., beaches)
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1.0 to 1.33	Fair homogeneity
> 1.33	Poor homogeneity (e.g., glacial)

