

Onshore Grab Sample

Sample: DU-17-MB
Sample Taken By: J. Ladner
Sample Collected On: 12/4/02
Splits? N/A

County: Duval
Latitude: 30° 25' 2.6"
Longitude: 81° 24' 24.2"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	52.489 grams
Total Fines in Sample	0.053 grams
Total Percent Fines	0.10 %

Dry Sieving Summary

Total Sample Weight	52.408 grams
Total Digested Weight	51.660 grams
Total Carbonate Weight	0.748 grams
Total Silica %	98.57 %
Total Carbonate %	1.43 %
Carbonate/Silica Ratio	0.014

General Comments:

None

Description

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

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: DU-17-MB

Total Sample Mass: 52.408 grams

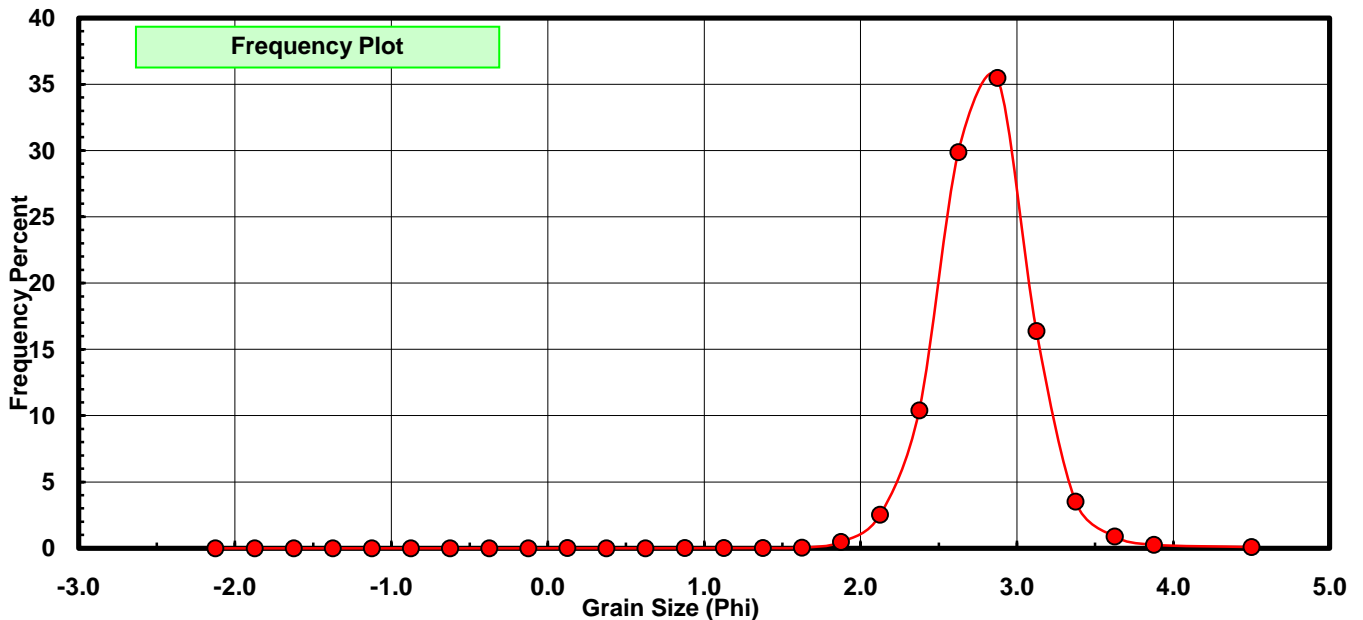
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.004	0.008	0.008
0.50	0.375	0.002	0.004	0.011
0.75	0.625	0.002	0.004	0.015
1.00	0.875	0.004	0.008	0.023
1.25	1.125	0.008	0.015	0.038
1.50	1.375	0.010	0.019	0.057
1.75	1.625	0.027	0.052	0.109
2.00	1.875	0.249	0.475	0.584
2.25	2.125	1.324	2.526	3.110
2.50	2.375	5.448	10.395	13.506
2.75	2.625	15.657	29.875	43.381
3.00	2.875	18.587	35.466	78.847
3.25	3.125	8.587	16.385	95.232
3.50	3.375	1.843	3.517	98.748
3.75	3.625	0.466	0.889	99.637
4.00	3.875	0.140	0.267	99.905
5.00	4.500	0.050	0.095	100.000

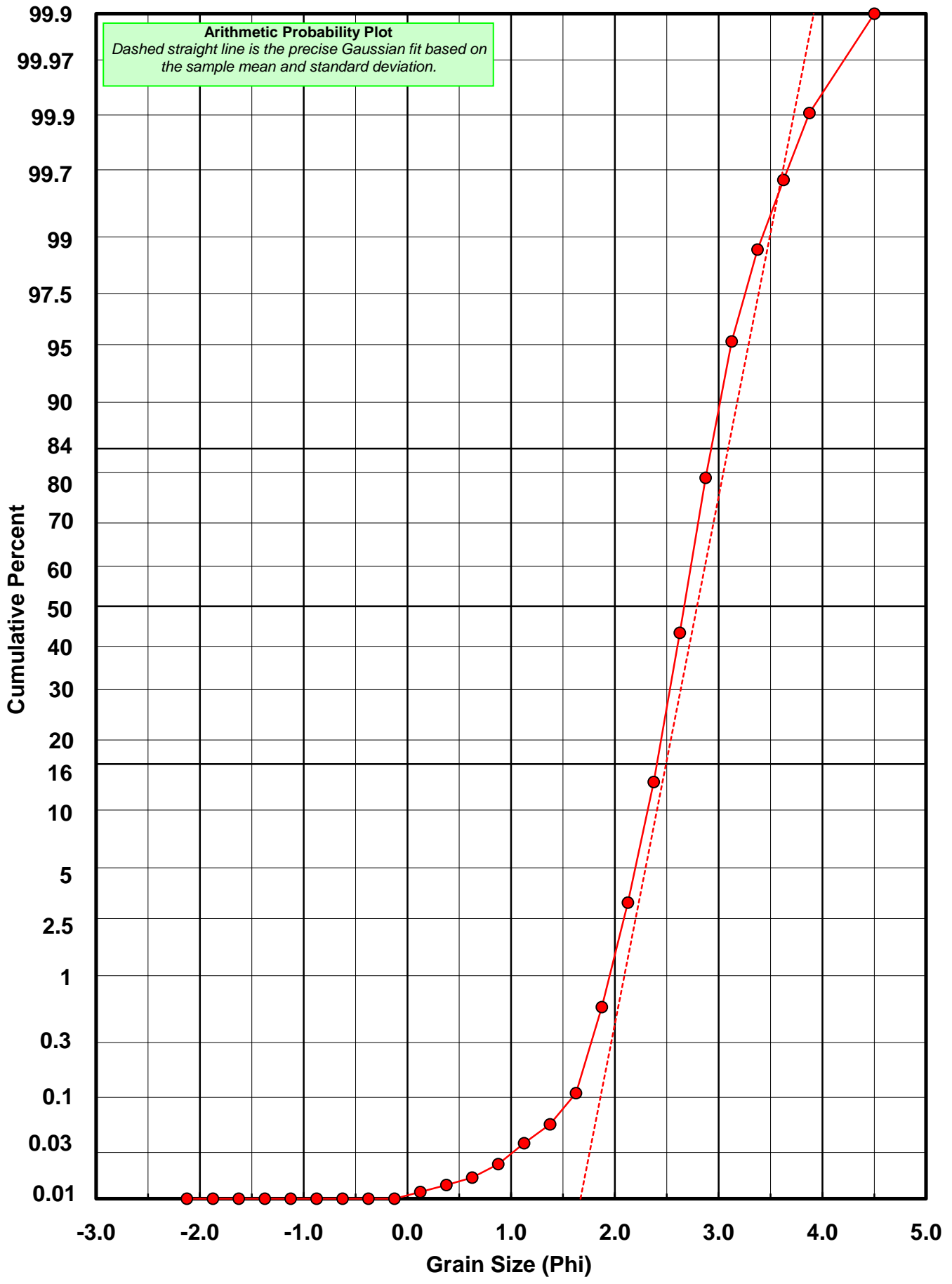
Statistical Results			
Mean:	2.7923	phi	(0.1444 mm)
Standard Dev:	0.3013	phi-units	(0.8115 mm)
Skewness:	0.0503	dimensionless	
Kurtosis:	5.4259	dimensionless	
5th Moment:	-1.9716	dimensionless	
6th Moment:	118.7943	dimensionless	
RARD *	0.1079	dimensionless	
Median	2.6717	phi	(0.1569 mm)

* 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-17-MB

Total Carbonate Mass: 2.929 grams

% Carbonate: 1.4 %

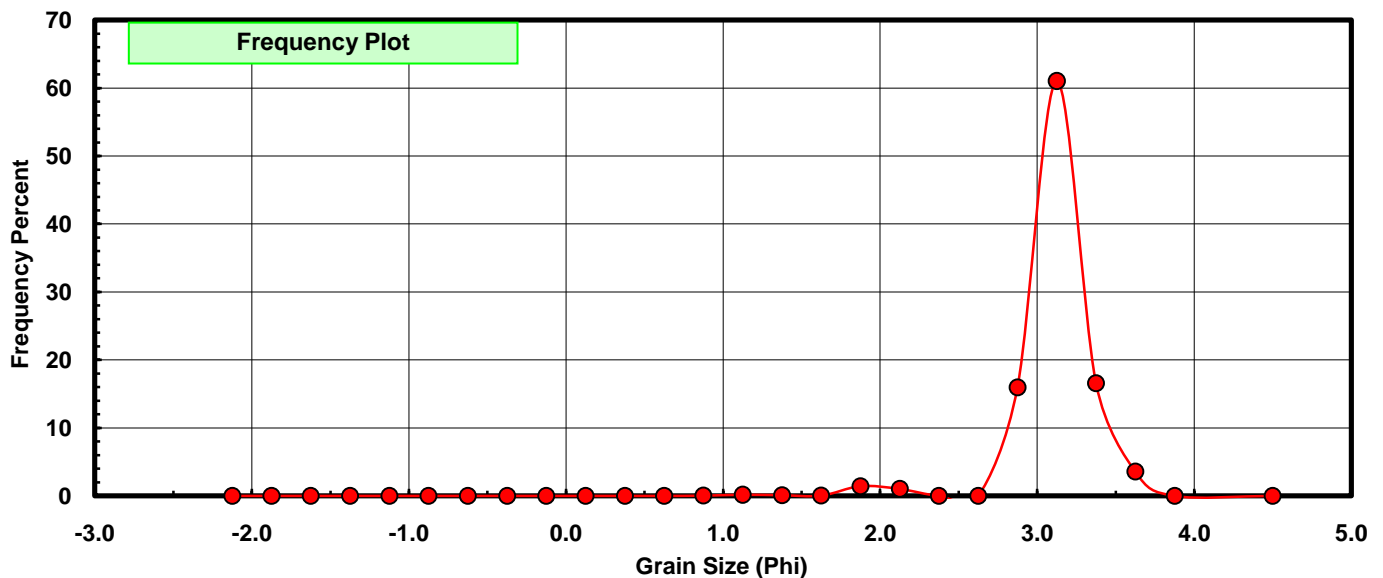
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-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	0.001	0.034	0.034
1.25	1.125	0.005	0.171	0.205
1.50	1.375	0.003	0.102	0.307
1.75	1.625	0.001	0.034	0.341
2.00	1.875	0.042	1.434	1.775
2.25	2.125	0.030	1.024	2.800
2.50	2.375	0.000	0.000	2.800
2.75	2.625	0.000	0.000	2.800
3.00	2.875	0.468	15.978	18.778
3.25	3.125	1.788	61.045	79.822
3.50	3.375	0.486	16.593	96.415
3.75	3.625	0.105	3.585	100.000
4.00	3.875	0.000	0.000	100.000
5.00	4.500	0.000	0.000	100.000

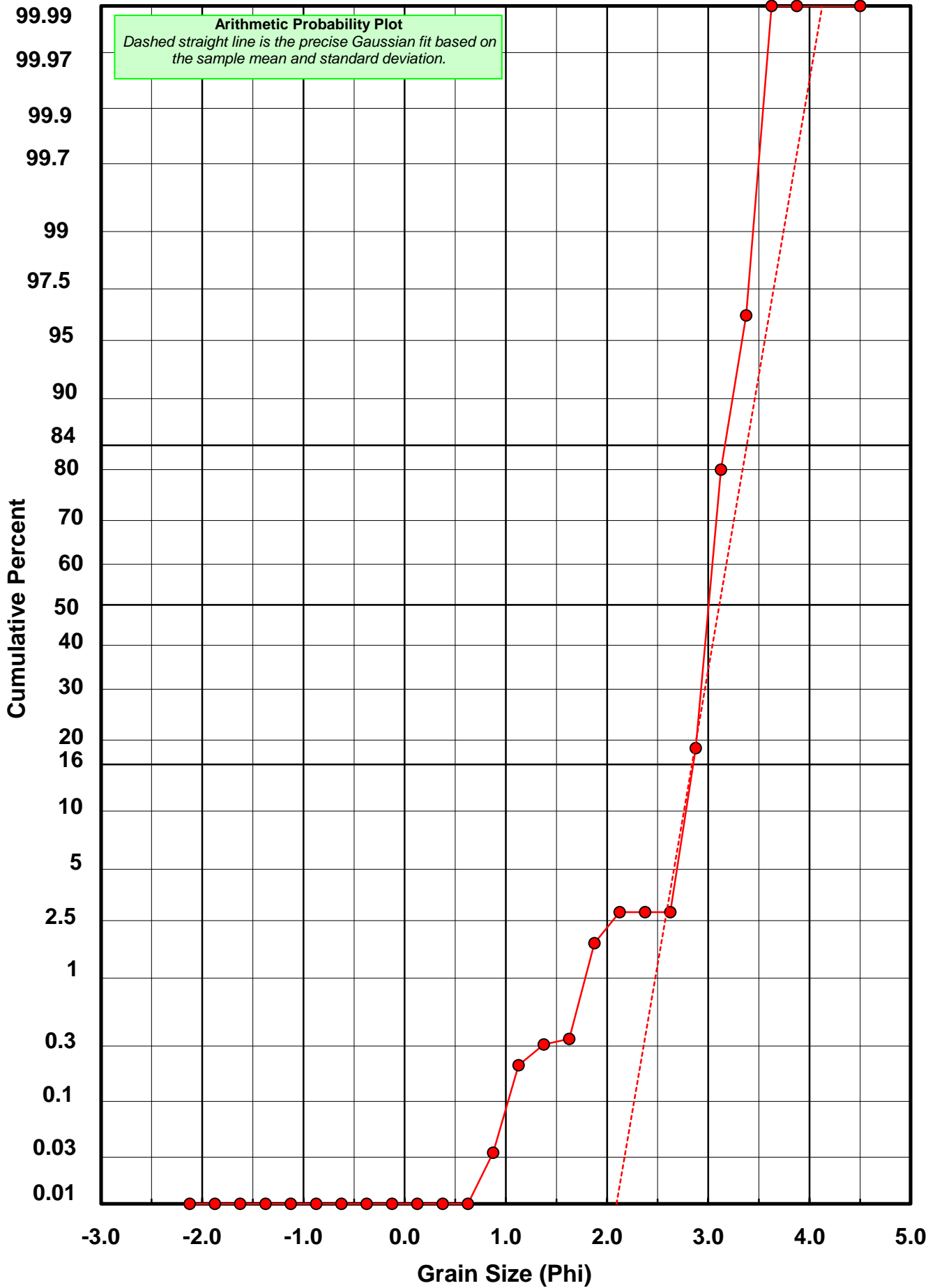
Statistical Results			
Mean:	3.1098	phi	(0.1158 mm)
Standard Dev:	0.2724	phi-units	(0.8279 mm)
Skewness:	-2.6953	dimensionless	
Kurtosis:	16.8472	dimensionless	
5th Moment:	-92.9724	dimensionless	
6th Moment:	586.0978	dimensionless	
RARD *	0.0876	dimensionless	
Median	3.0029	phi	(0.1248 mm)

* 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-17-MB

Total Digested Mass: 51.616 grams

% Silica: 98.6 %

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	0.005	0.010	0.010
0.50	0.375	0.002	0.004	0.014
0.75	0.625	0.002	0.004	0.017
1.00	0.875	0.003	0.006	0.023
1.25	1.125	0.003	0.006	0.029
1.50	1.375	0.007	0.014	0.043
1.75	1.625	0.026	0.050	0.093
2.00	1.875	0.207	0.401	0.494
2.25	2.125	1.294	2.507	3.001
2.50	2.375	6.532	12.655	15.656
2.75	2.625	16.689	32.333	47.989
3.00	2.875	18.119	35.103	83.092
3.25	3.125	6.799	13.172	96.265
3.50	3.375	1.357	2.629	98.894
3.75	3.625	0.361	0.699	99.593
4.00	3.875	0.210	0.407	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	2.7620	phi	(0.1474 mm)
Standard Dev:	0.2903	phi-units	(0.8177 mm)
Skewness:	0.0459	dimensionless	
Kurtosis:	5.0215	dimensionless	
5th Moment:	-6.5935	dimensionless	
6th Moment:	111.6795	dimensionless	
RARD *	0.1051	dimensionless	
Median	2.6393	phi	(0.1605 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)

