

Onshore Grab Sample

Sample: DU-07-MB
Sample Taken By: J. Ladner
Sample Collected On: 12/4/02
Splits? N/A

County: Duval
Latitude: 30° 18' 14.1"
Longitude: 81° 23' 27.0"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	41.485 grams
Total Fines in Sample	0.168 grams
Total Percent Fines	0.40 %

Dry Sieving Summary

Total Sample Weight	41.283 grams
Total Digested Weight	40.671 grams
Total Carbonate Weight	0.612 grams
Total Silica %	98.52 %
Total Carbonate %	1.48 %
Carbonate/Silica Ratio	0.015

General Comments:

None

Description

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

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: DU-07-MB

Total Sample Mass: 41.283 grams

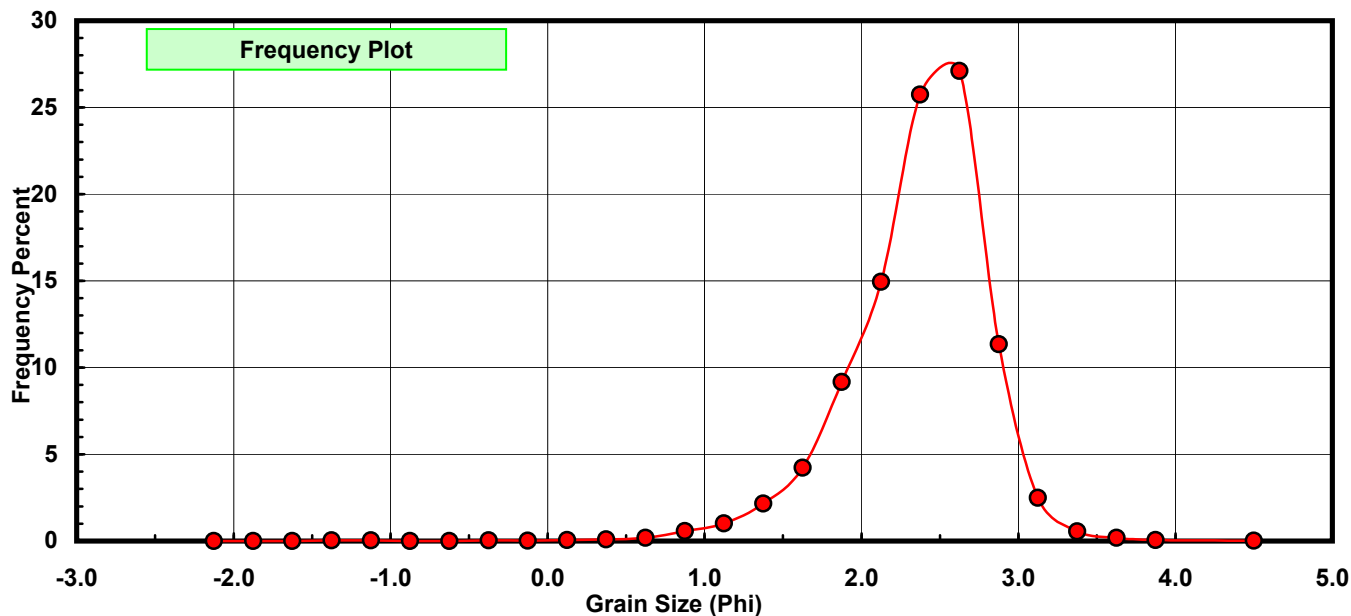
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.013	0.031	0.031
-1.00	-1.125	0.016	0.039	0.070
-0.75	-0.875	0.000	0.000	0.070
-0.50	-0.625	0.000	0.000	0.070
-0.25	-0.375	0.012	0.029	0.099
0.00	-0.125	0.007	0.017	0.116
0.25	0.125	0.024	0.058	0.174
0.50	0.375	0.035	0.085	0.259
0.75	0.625	0.079	0.191	0.451
1.00	0.875	0.238	0.577	1.027
1.25	1.125	0.421	1.020	2.047
1.50	1.375	0.894	2.166	4.212
1.75	1.625	1.743	4.222	8.434
2.00	1.875	3.784	9.166	17.600
2.25	2.125	6.166	14.936	32.536
2.50	2.375	10.624	25.735	58.271
2.75	2.625	11.189	27.103	85.374
3.00	2.875	4.684	11.346	96.720
3.25	3.125	1.025	2.483	99.203
3.50	3.375	0.226	0.547	99.751
3.75	3.625	0.073	0.177	99.927
4.00	3.875	0.022	0.053	99.981
5.00	4.500	0.008	0.019	100.000

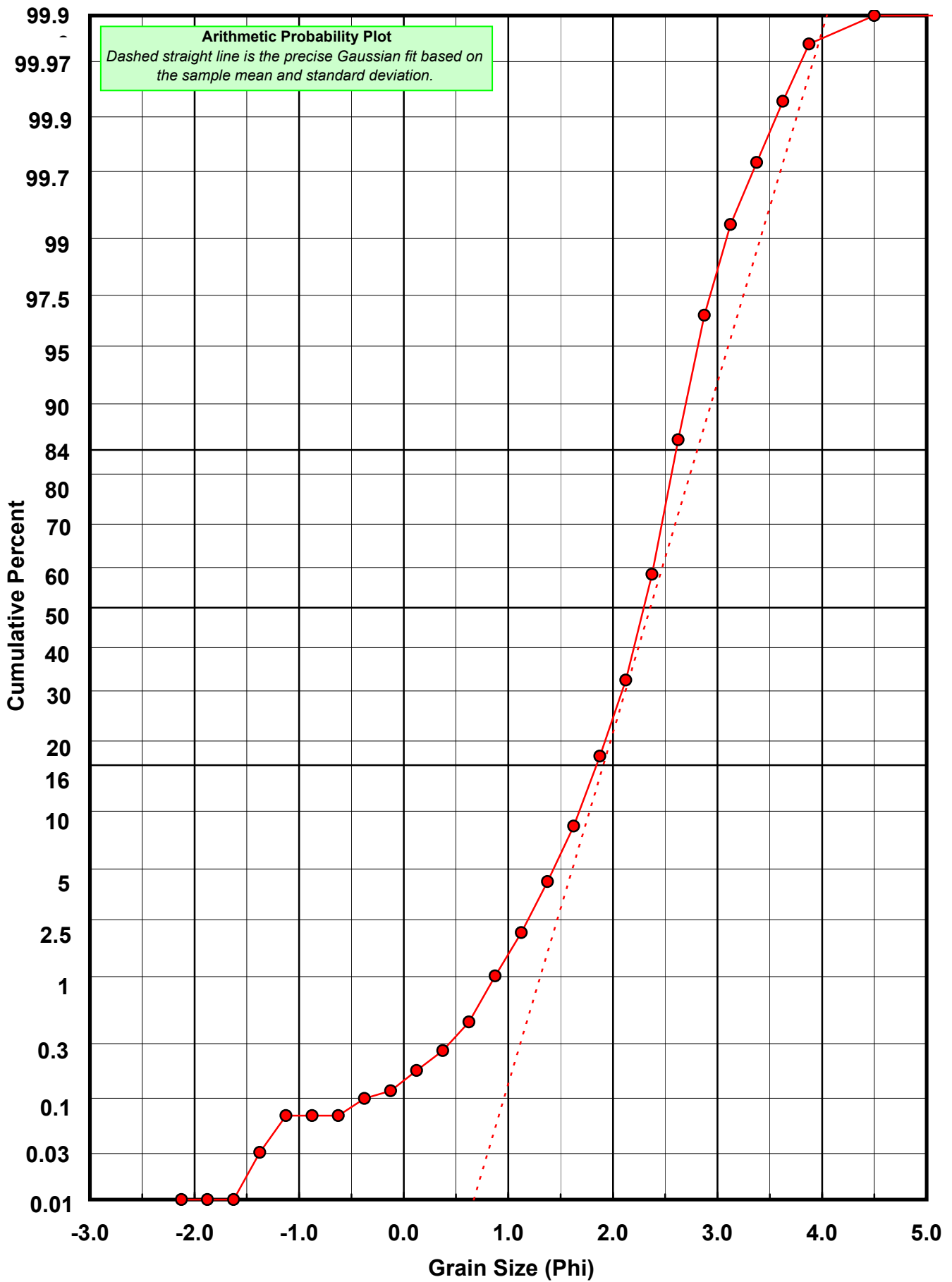
Statistical Results			
Mean:	2.3590	phi	(0.1949 mm)
Standard Dev:	0.4533	phi-units	(0.7304 mm)
Skewness:	-1.1784	dimensionless	
Kurtosis:	7.5426	dimensionless	
5th Moment:	-34.4165	dimensionless	
6th Moment:	242.6578	dimensionless	
RARD *	0.1922	dimensionless	
Median	2.2947	phi	(0.2038 mm)

* 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-07-MB

Total Carbonate Mass: 1.189 grams

% Carbonate: 1.5 %

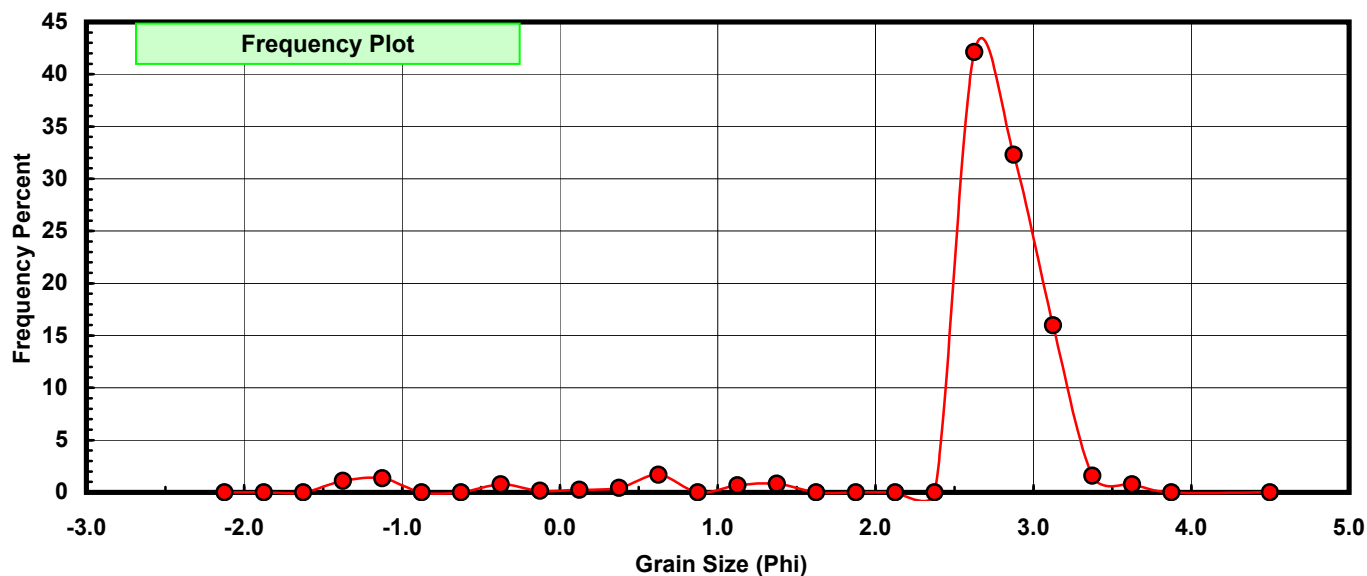
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.013	1.093	1.093
-1.00	-1.125	0.016	1.346	2.439
-0.75	-0.875	0.000	0.000	2.439
-0.50	-0.625	0.000	0.000	2.439
-0.25	-0.375	0.009	0.757	3.196
0.00	-0.125	0.002	0.168	3.364
0.25	0.125	0.003	0.252	3.616
0.50	0.375	0.005	0.421	4.037
0.75	0.625	0.020	1.682	5.719
1.00	0.875	0.000	0.000	5.719
1.25	1.125	0.008	0.673	6.392
1.50	1.375	0.010	0.841	7.233
1.75	1.625	0.000	0.000	7.233
2.00	1.875	0.000	0.000	7.233
2.25	2.125	0.000	0.000	7.233
2.50	2.375	0.000	0.000	7.233
2.75	2.625	0.501	42.136	49.369
3.00	2.875	0.384	32.296	81.665
3.25	3.125	0.190	15.980	97.645
3.50	3.375	0.019	1.598	99.243
3.75	3.625	0.009	0.757	100.000
4.00	3.875	0.000	0.000	100.000
5.00	4.500	0.000	0.000	100.000

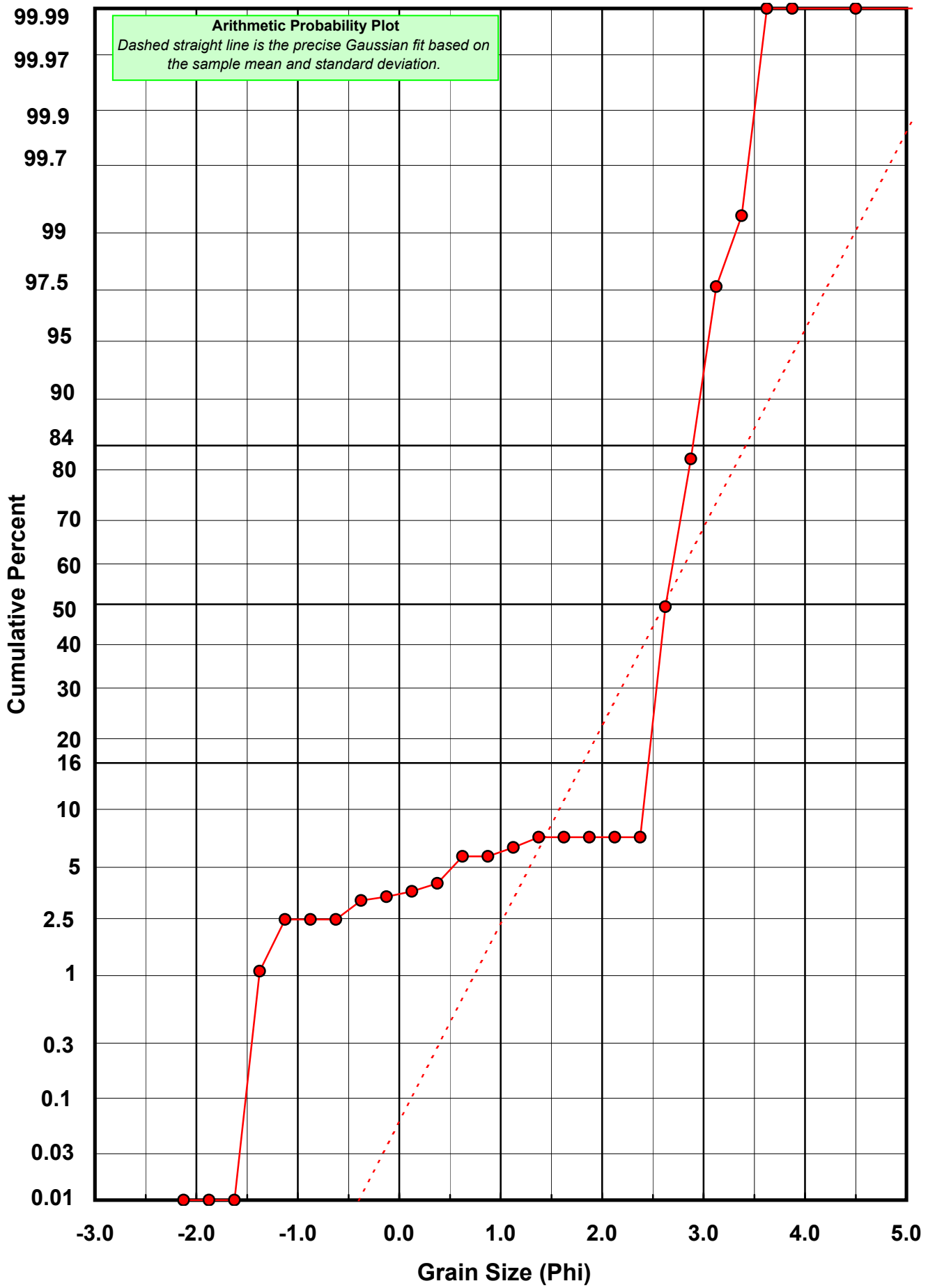
Statistical Results			
Mean:	2.6136	phi	(0.1634 mm)
Standard Dev:	0.8088	phi-units	(0.5708 mm)
Skewness:	-3.4927	dimensionless	
Kurtosis:	15.5122	dimensionless	
5th Moment:	-69.2940	dimensionless	
6th Moment:	318.4594	dimensionless	
RARD *	0.3095	dimensionless	
Median	2.6299	phi	(0.1616 mm)

* 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-07-MB

Total Digested Mass: 40.663 grams

% Silica: 98.5 %

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	0.003	0.007	0.007
0.00	-0.125	0.005	0.012	0.020
0.25	0.125	0.021	0.052	0.071
0.50	0.375	0.030	0.074	0.145
0.75	0.625	0.059	0.145	0.290
1.00	0.875	0.239	0.588	0.878
1.25	1.125	0.413	1.016	1.894
1.50	1.375	0.884	2.174	4.068
1.75	1.625	1.789	4.400	8.467
2.00	1.875	3.790	9.321	17.788
2.25	2.125	6.690	16.452	34.240
2.50	2.375	10.624	26.127	60.367
2.75	2.625	10.688	26.284	86.651
3.00	2.875	4.300	10.575	97.226
3.25	3.125	0.835	2.053	99.279
3.50	3.375	0.207	0.509	99.789
3.75	3.625	0.064	0.157	99.946
4.00	3.875	0.022	0.054	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	2.3472	phi	(0.1965 mm)
Standard Dev:	0.4330	phi-units	(0.7407 mm)
Skewness:	-0.8326	dimensionless	
Kurtosis:	4.7222	dimensionless	
5th Moment:	-11.1887	dimensionless	
6th Moment:	54.0390	dimensionless	
RARD *	0.1845	dimensionless	
Median	2.2758	phi	(0.2065 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)

