

Onshore Grab Sample

Sample: DU-03-BB
Sample Taken By: J. Ladner
Sample Collected On: 12/4/02
Splits? N/A

County: Duval
Latitude: 30° 21' 42.4"
Longitude: 81° 23' 51.8"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	60.847 grams
Total Fines in Sample	0.036 grams
Total Percent Fines	0.06 %

Dry Sieving Summary

Total Sample Weight	60.664 grams
Total Digested Weight	60.168 grams
Total Carbonate Weight	0.496 grams
Total Silica %	99.18 %
Total Carbonate %	0.82 %
Carbonate/Silica Ratio	0.008

General Comments:

None

Description

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

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: DU-03-BB

Total Sample Mass: 60.664 grams

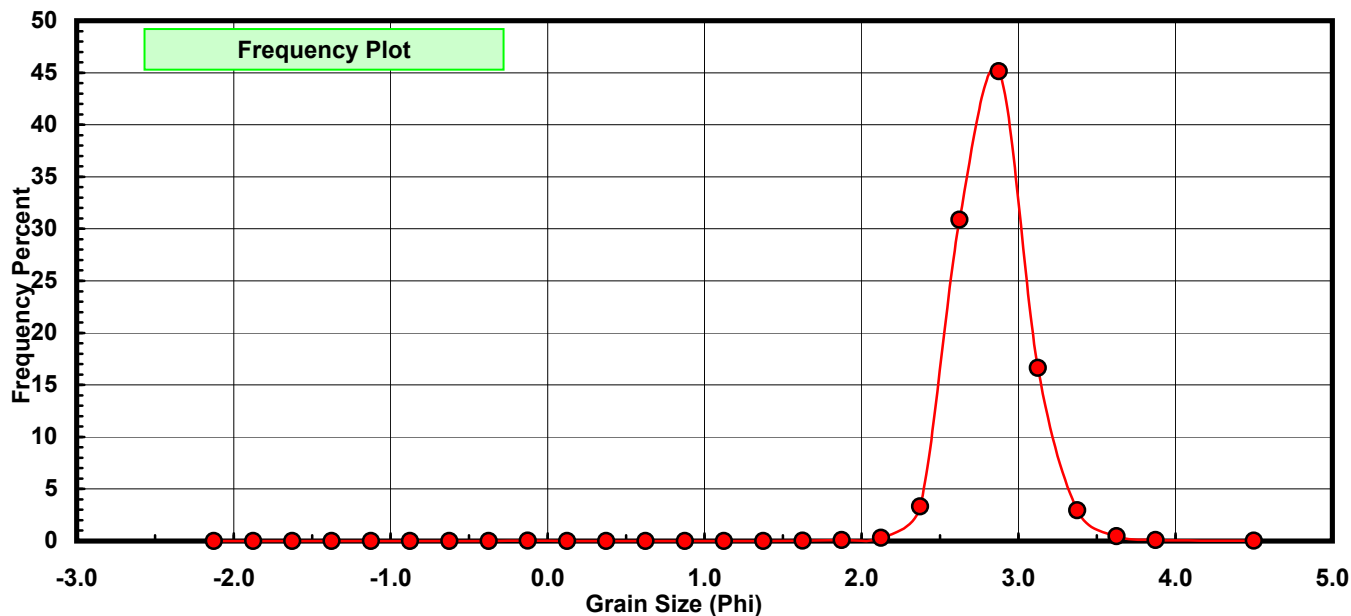
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.013	0.021	0.021
0.25	0.125	0.006	0.010	0.031
0.50	0.375	0.004	0.007	0.038
0.75	0.625	0.006	0.010	0.048
1.00	0.875	0.003	0.005	0.053
1.25	1.125	0.003	0.005	0.058
1.50	1.375	0.007	0.012	0.069
1.75	1.625	0.020	0.033	0.102
2.00	1.875	0.056	0.092	0.195
2.25	2.125	0.195	0.321	0.516
2.50	2.375	2.018	3.327	3.842
2.75	2.625	18.720	30.858	34.701
3.00	2.875	27.387	45.145	79.846
3.25	3.125	10.086	16.626	96.472
3.50	3.375	1.789	2.949	99.421
3.75	3.625	0.274	0.452	99.873
4.00	3.875	0.064	0.105	99.979
5.00	4.500	0.013	0.021	100.000

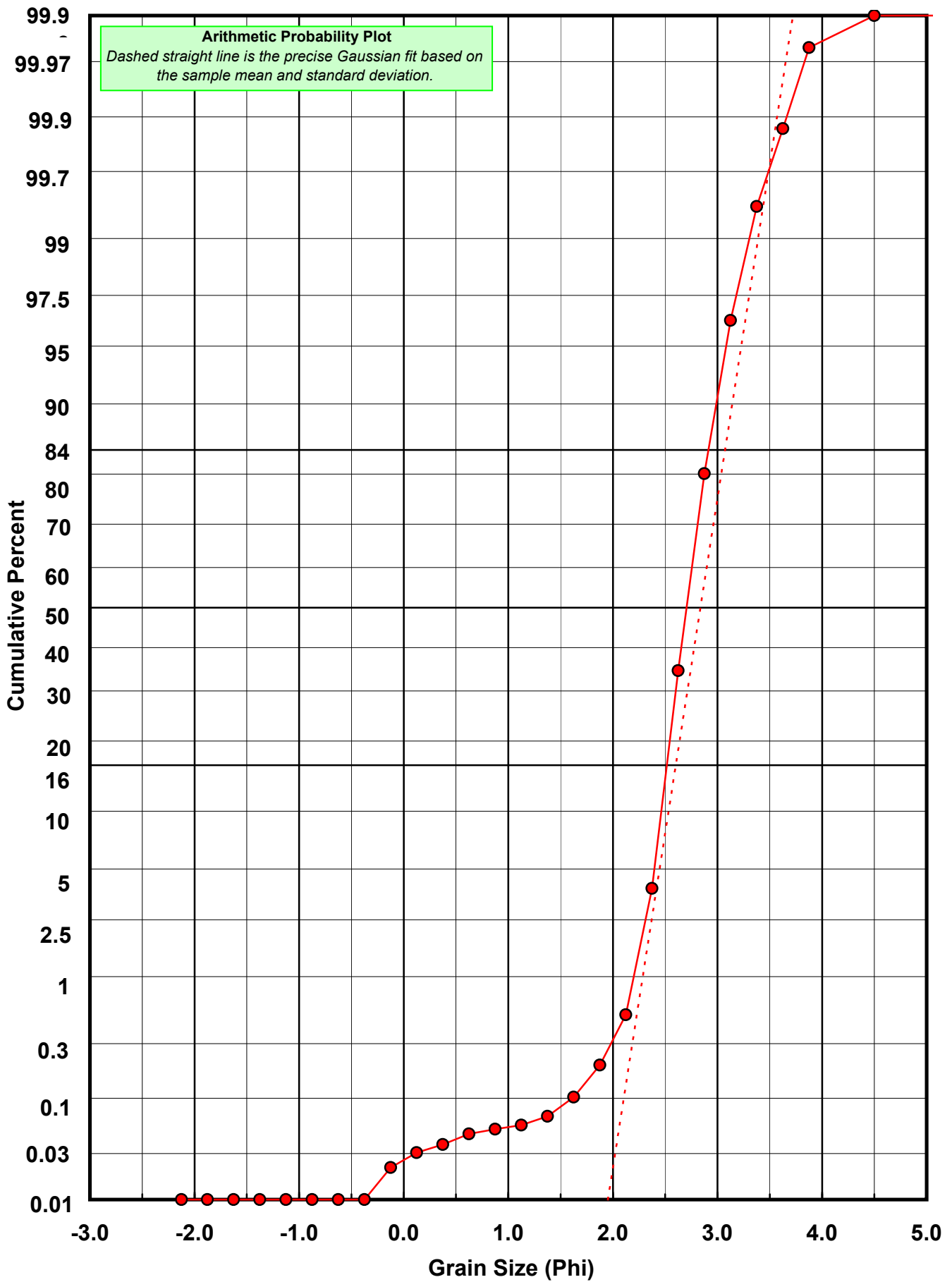
Statistical Results			
Mean:	2.8369	phi	(0.14 mm)
Standard Dev:	0.2376	phi-units	(0.8482 mm)
Skewness:	-0.4844	dimensionless	
Kurtosis:	13.0825	dimensionless	
5th Moment:	-98.6990	dimensionless	
6th Moment:	1276.0084	dimensionless	
RARD *	0.0838	dimensionless	
Median	2.7097	phi	(0.1529 mm)

* 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-03-BB

Total Carbonate Mass: 2.259 grams

% Carbonate: 0.8 %

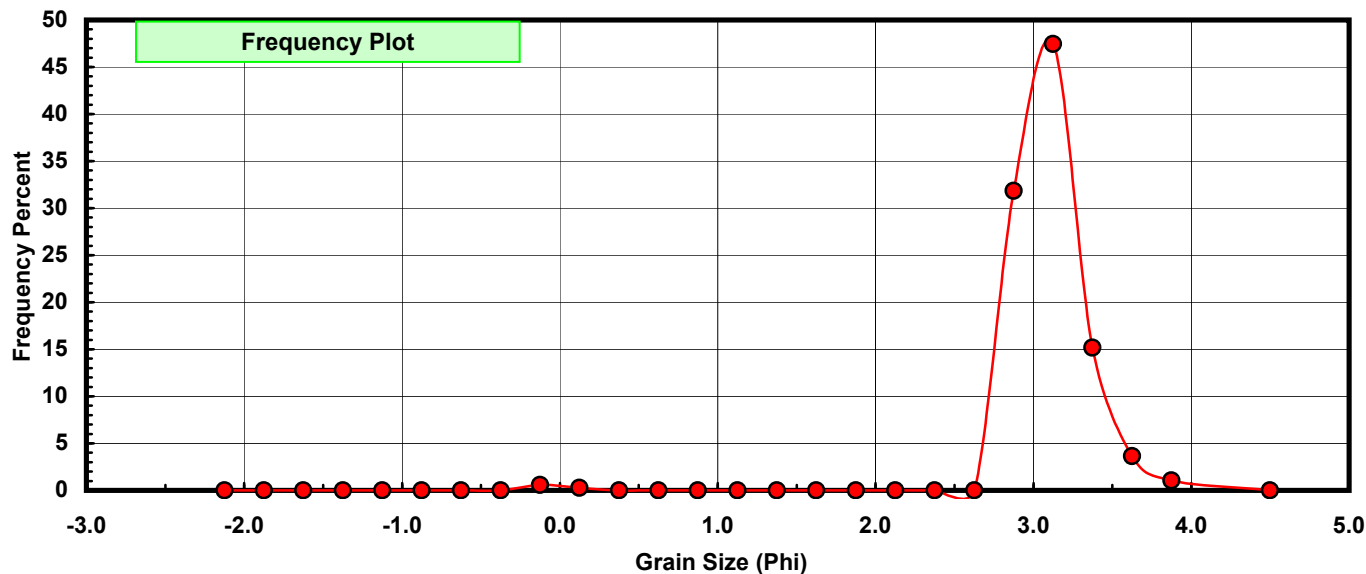
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.013	0.575	0.575
0.25	0.125	0.006	0.266	0.841
0.50	0.375	0.000	0.000	0.841
0.75	0.625	0.000	0.000	0.841
1.00	0.875	0.000	0.000	0.841
1.25	1.125	0.000	0.000	0.841
1.50	1.375	0.000	0.000	0.841
1.75	1.625	0.000	0.000	0.841
2.00	1.875	0.000	0.000	0.841
2.25	2.125	0.000	0.000	0.841
2.50	2.375	0.000	0.000	0.841
2.75	2.625	0.000	0.000	0.841
3.00	2.875	0.719	31.828	32.669
3.25	3.125	1.072	47.455	80.124
3.50	3.375	0.343	15.184	95.308
3.75	3.625	0.082	3.630	98.938
4.00	3.875	0.024	1.062	100.000
5.00	4.500	0.000	0.000	100.000

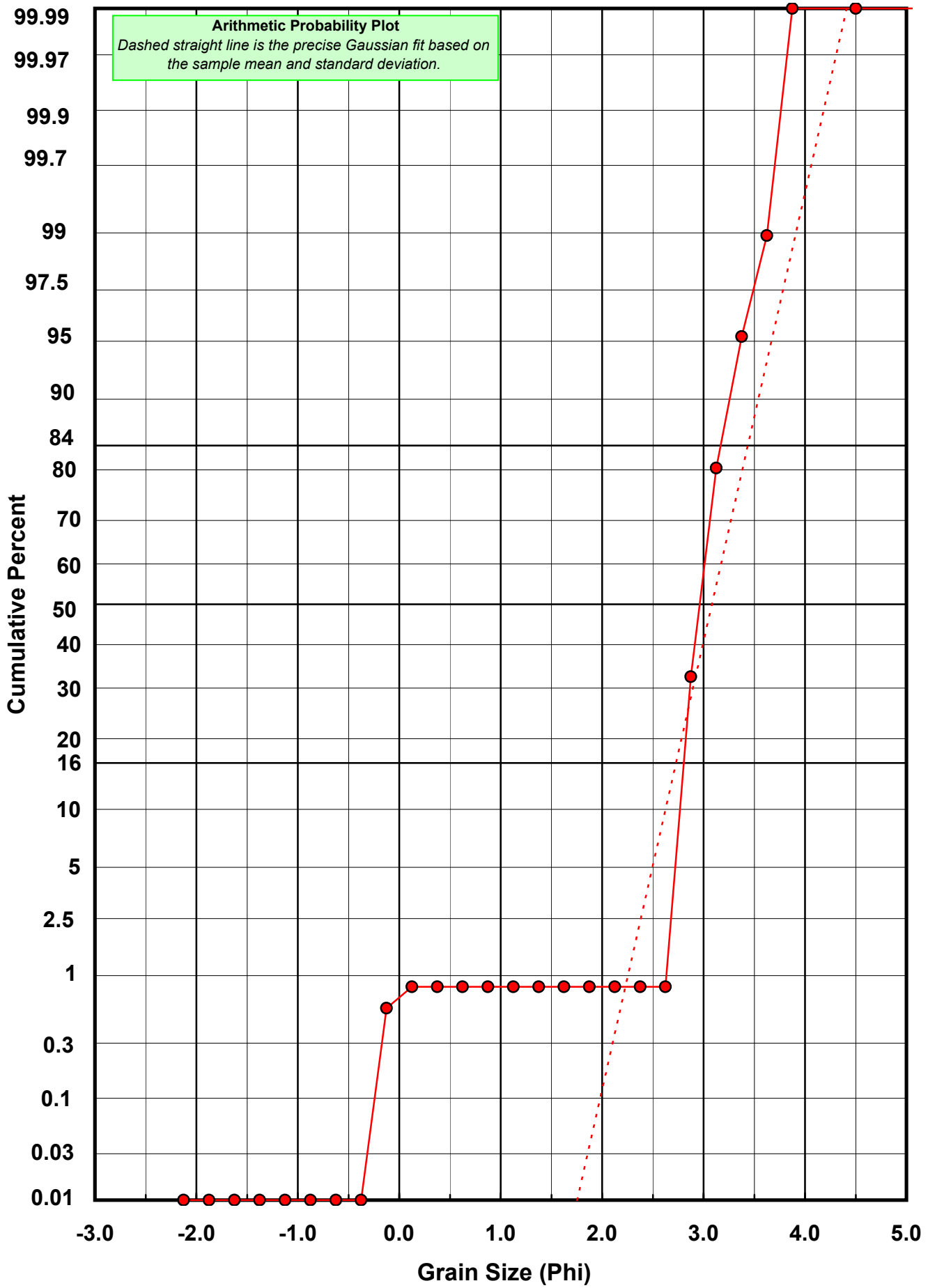
Statistical Results			
Mean:	3.0828	phi	(0.118 mm)
Standard Dev:	0.3569	phi-units	(0.7809 mm)
Skewness:	-5.4279	dimensionless	
Kurtosis:	50.6690	dimensionless	
5th Moment:	-440.7903	dimensionless	
6th Moment:	3899.4401	dimensionless	
RARD *	0.1158	dimensionless	
Median	2.9663	phi	(0.128 mm)

* 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-03-BB

Total Digested Mass: 60.156 grams

% Silica: 99.2 %

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	0.004	0.007	0.007
0.75	0.625	0.008	0.013	0.020
1.00	0.875	0.003	0.005	0.025
1.25	1.125	0.007	0.012	0.037
1.50	1.375	0.011	0.018	0.055
1.75	1.625	0.022	0.037	0.091
2.00	1.875	0.077	0.128	0.219
2.25	2.125	0.258	0.429	0.648
2.50	2.375	2.333	3.878	4.527
2.75	2.625	20.073	33.368	37.895
3.00	2.875	26.668	44.331	82.226
3.25	3.125	9.014	14.984	97.211
3.50	3.375	1.446	2.404	99.614
3.75	3.625	0.192	0.319	99.934
4.00	3.875	0.040	0.066	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	2.8187	phi	(0.1417 mm)
Standard Dev:	0.2289	phi-units	(0.8533 mm)
Skewness:	-0.1545	dimensionless	
Kurtosis:	6.8270	dimensionless	
5th Moment:	-26.4391	dimensionless	
6th Moment:	292.8987	dimensionless	
RARD *	0.0812	dimensionless	
Median	2.6933	phi	(0.1546 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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> 1.33	Poor homogeneity (e.g., glacial)

