

Onshore Grab Sample

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

County: Duval
Latitude: 30° 26' 4.1"
Longitude: 81° 24' 27.1"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	61.818 grams
Total Fines in Sample	0.155 grams
Total Percent Fines	0.25 %

Dry Sieving Summary

Total Sample Weight	61.739 grams
Total Digested Weight	60.723 grams
Total Carbonate Weight	1.016 grams
Total Silica %	98.35 %
Total Carbonate %	1.65 %
Carbonate/Silica Ratio	0.017

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-BB

Total Sample Mass: 61.739 grams

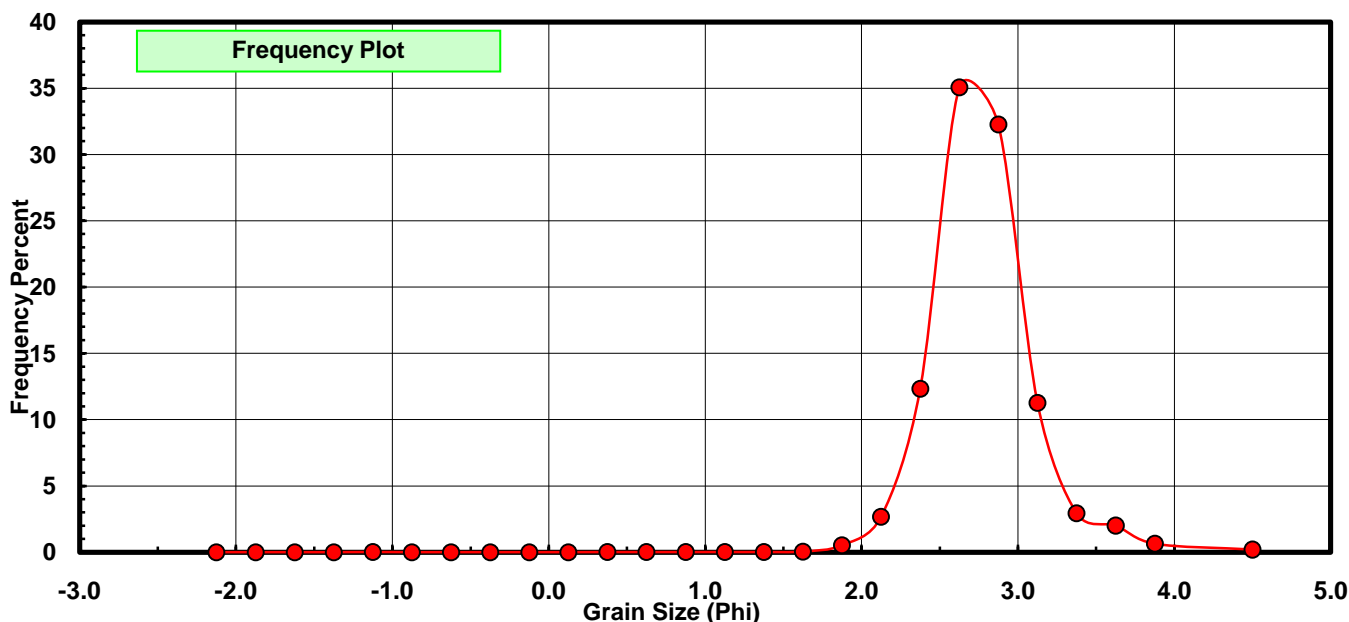
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.007	0.011	0.011
-0.75	-0.875	0.000	0.000	0.011
-0.50	-0.625	0.000	0.000	0.011
-0.25	-0.375	0.000	0.000	0.011
0.00	-0.125	0.000	0.000	0.011
0.25	0.125	0.000	0.000	0.011
0.50	0.375	0.004	0.006	0.018
0.75	0.625	0.004	0.006	0.024
1.00	0.875	0.004	0.006	0.031
1.25	1.125	0.006	0.010	0.040
1.50	1.375	0.006	0.010	0.050
1.75	1.625	0.030	0.049	0.099
2.00	1.875	0.322	0.522	0.620
2.25	2.125	1.648	2.669	3.290
2.50	2.375	7.604	12.316	15.606
2.75	2.625	21.653	35.072	50.678
3.00	2.875	19.919	32.263	82.941
3.25	3.125	6.959	11.272	94.213
3.50	3.375	1.818	2.945	97.157
3.75	3.625	1.240	2.008	99.166
4.00	3.875	0.393	0.637	99.802
5.00	4.500	0.122	0.198	100.000

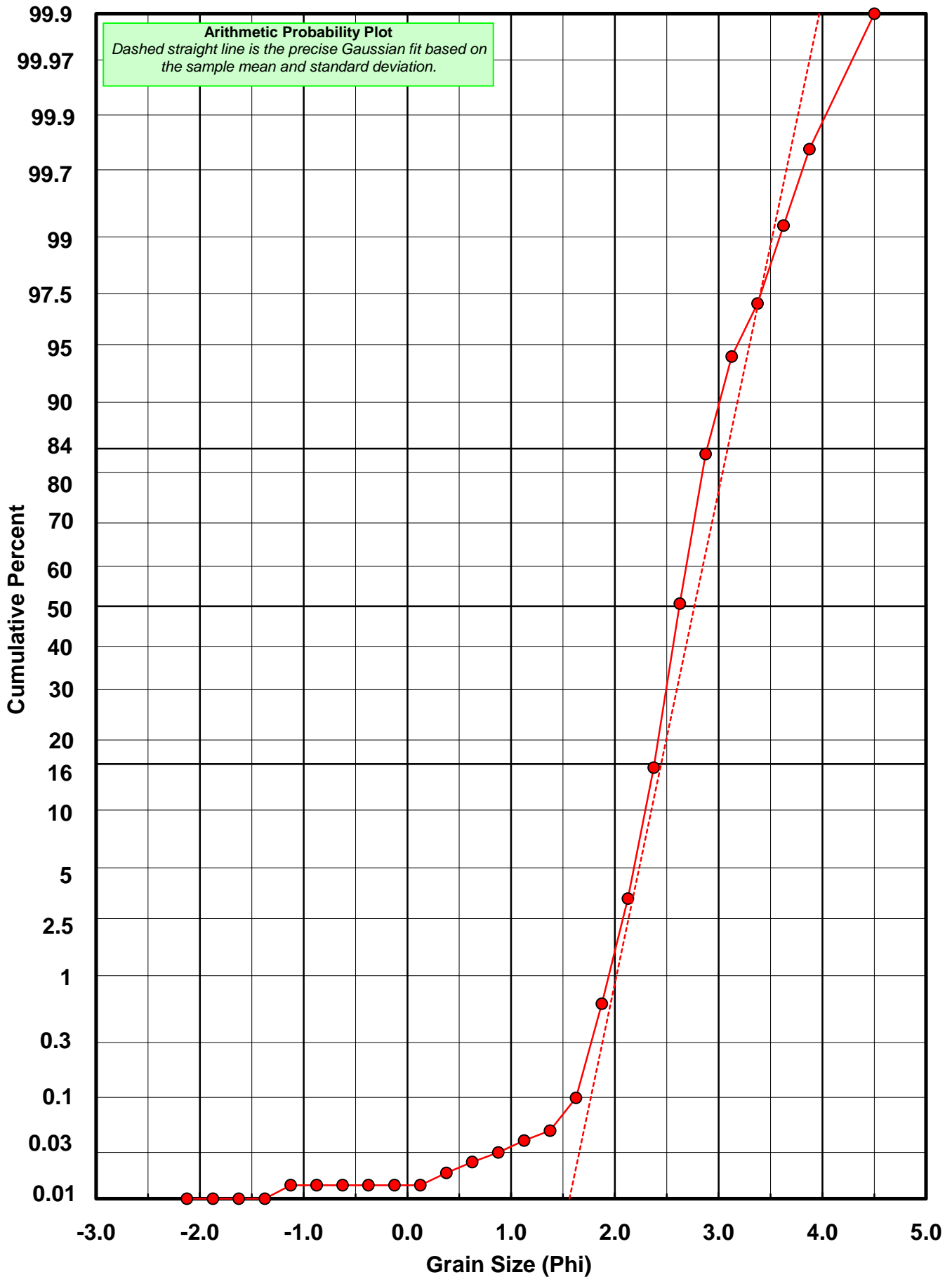
Statistical Results			
Mean:	2.7662	phi	(0.147 mm)
Standard Dev:	0.3227	phi-units	(0.7995 mm)
Skewness:	0.4478	dimensionless	
Kurtosis:	8.1857	dimensionless	
5th Moment:	-19.1966	dimensionless	
6th Moment:	448.5788	dimensionless	
RARD *	0.1167	dimensionless	
Median	2.6202	phi	(0.1626 mm)

* 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-BB

Total Carbonate Mass: 2.866 grams

% Carbonate: 1.6 %

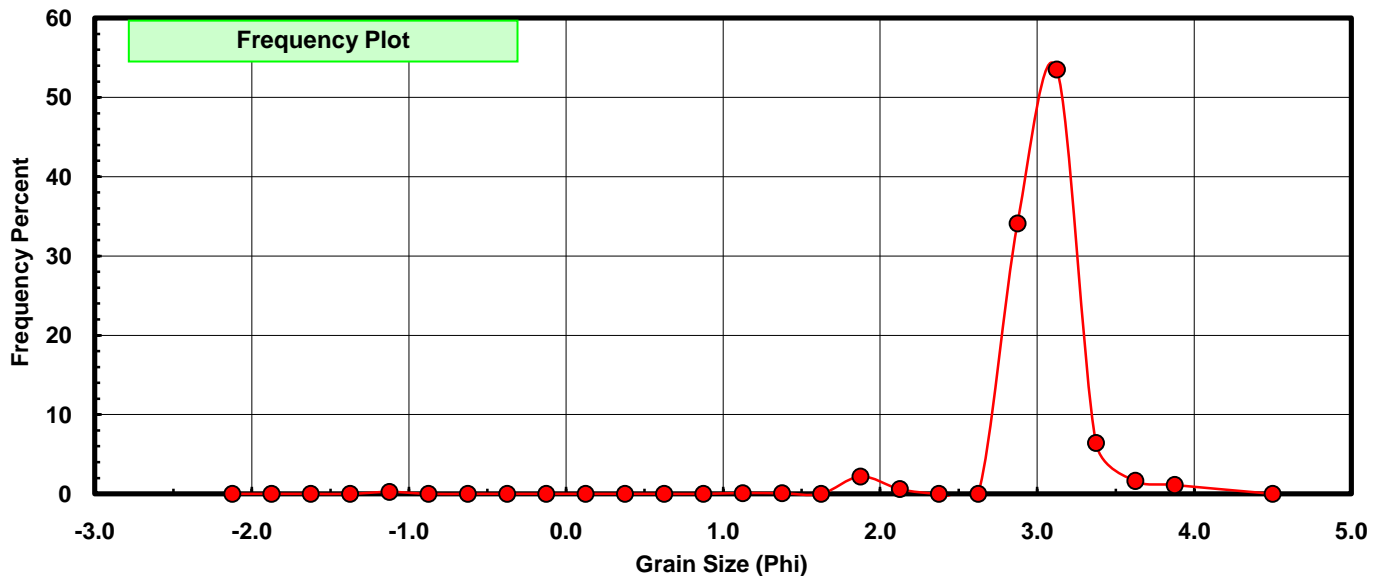
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.007	0.244	0.244
-0.75	-0.875	0.000	0.000	0.244
-0.50	-0.625	0.000	0.000	0.244
-0.25	-0.375	0.000	0.000	0.244
0.00	-0.125	0.000	0.000	0.244
0.25	0.125	0.000	0.000	0.244
0.50	0.375	0.000	0.000	0.244
0.75	0.625	0.000	0.000	0.244
1.00	0.875	0.000	0.000	0.244
1.25	1.125	0.003	0.105	0.349
1.50	1.375	0.002	0.070	0.419
1.75	1.625	0.000	0.000	0.419
2.00	1.875	0.063	2.198	2.617
2.25	2.125	0.017	0.593	3.210
2.50	2.375	0.000	0.000	3.210
2.75	2.625	0.000	0.000	3.210
3.00	2.875	0.977	34.089	37.299
3.25	3.125	1.534	53.524	90.823
3.50	3.375	0.184	6.420	97.244
3.75	3.625	0.047	1.640	98.883
4.00	3.875	0.032	1.117	100.000
5.00	4.500	0.000	0.000	100.000

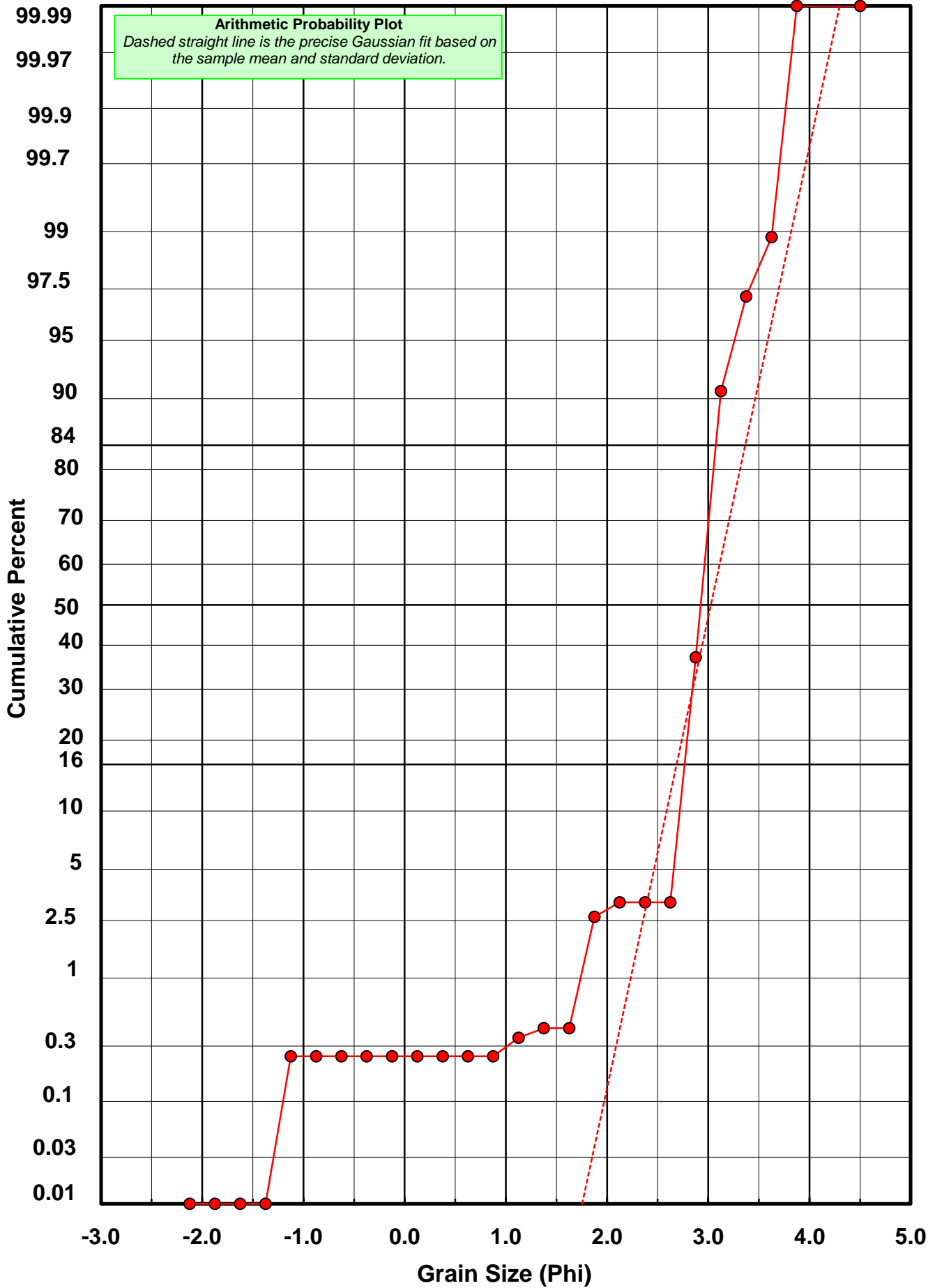
Statistical Results			
Mean:	3.0253	phi	(0.1228 mm)
Standard Dev:	0.3413	phi-units	(0.7893 mm)
Skewness:	-5.2879	dimensionless	
Kurtosis:	58.5991	dimensionless	
5th Moment:	-665.9159	dimensionless	
6th Moment:	7976.6898	dimensionless	
RARD *	0.1128	dimensionless	
Median	2.9343	phi	(0.1308 mm)

* 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-BB

Total Digested Mass: 60.630 grams

% Silica: 98.4 %

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	0.006	0.010	0.010
0.75	0.625	0.005	0.008	0.018
1.00	0.875	0.004	0.007	0.025
1.25	1.125	0.003	0.005	0.030
1.50	1.375	0.004	0.007	0.036
1.75	1.625	0.032	0.053	0.089
2.00	1.875	0.259	0.427	0.516
2.25	2.125	1.631	2.690	3.206
2.50	2.375	8.508	14.033	17.239
2.75	2.625	22.623	37.313	54.552
3.00	2.875	18.942	31.242	85.794
3.25	3.125	5.425	8.948	94.742
3.50	3.375	1.634	2.695	97.437
3.75	3.625	1.193	1.968	99.405
4.00	3.875	0.361	0.595	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	2.7423	phi	(0.1495 mm)
Standard Dev:	0.3058	phi-units	(0.809 mm)
Skewness:	0.5142	dimensionless	
Kurtosis:	5.1161	dimensionless	
5th Moment:	2.1056	dimensionless	
6th Moment:	71.5617	dimensionless	
RARD *	0.1115	dimensionless	
Median	2.5945	phi	(0.1656 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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