

Onshore Grab Sample

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

County: Duval
Latitude: 30° 22' 33.9"
Longitude: 81° 23' 50.5"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 46.823 grams
Total Fines in Sample 0.023 grams
Total Percent Fines 0.05 %

Dry Sieving Summary

Total Sample Weight 46.819 grams
Total Digested Weight 45.765 grams
Total Carbonate Weight 1.054 grams
Total Silica % 97.75 %
Total Carbonate % 2.25 %
Carbonate/Silica Ratio 0.023

General Comments:

None

Description

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

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: DU-02-BB

Total Sample Mass: 46.819 grams

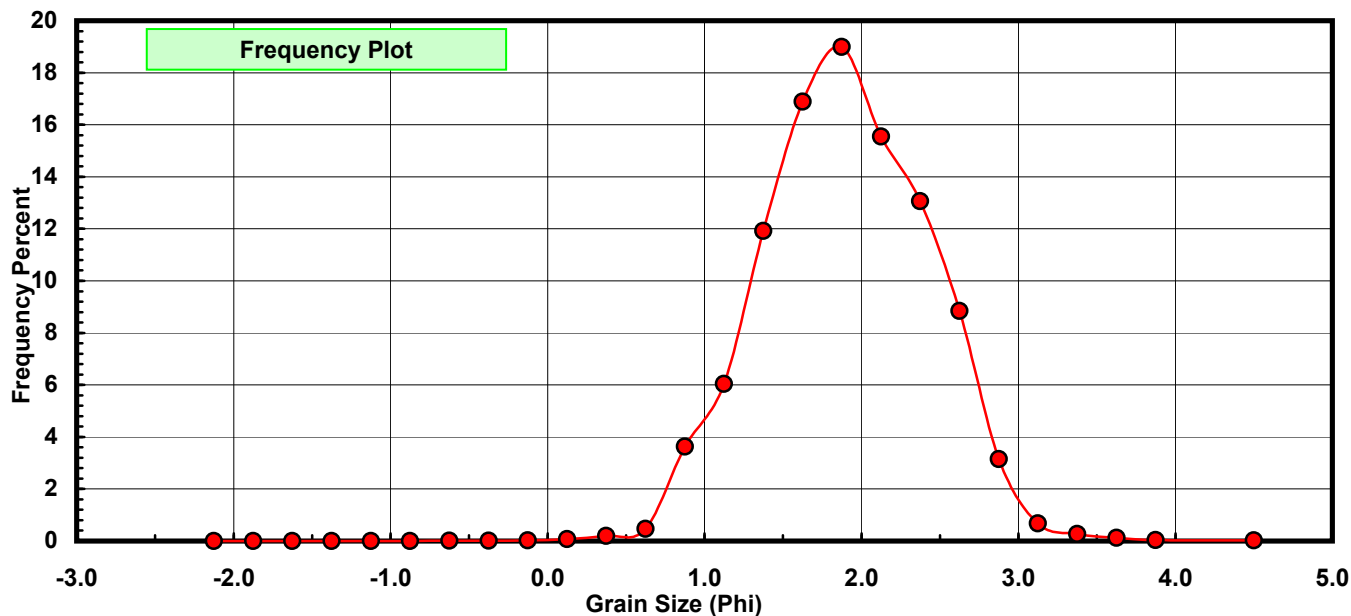
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.004	0.009	0.009
-0.25	-0.375	0.007	0.015	0.023
0.00	-0.125	0.009	0.019	0.043
0.25	0.125	0.037	0.079	0.122
0.50	0.375	0.095	0.203	0.325
0.75	0.625	0.220	0.470	0.795
1.00	0.875	1.698	3.627	4.421
1.25	1.125	2.825	6.034	10.455
1.50	1.375	5.583	11.925	22.380
1.75	1.625	7.904	16.882	39.262
2.00	1.875	8.893	18.994	58.256
2.25	2.125	7.281	15.551	73.808
2.50	2.375	6.115	13.061	86.869
2.75	2.625	4.143	8.849	95.718
3.00	2.875	1.472	3.144	98.862
3.25	3.125	0.314	0.671	99.532
3.50	3.375	0.129	0.276	99.808
3.75	3.625	0.060	0.128	99.936
4.00	3.875	0.020	0.043	99.979
5.00	4.500	0.010	0.021	100.000

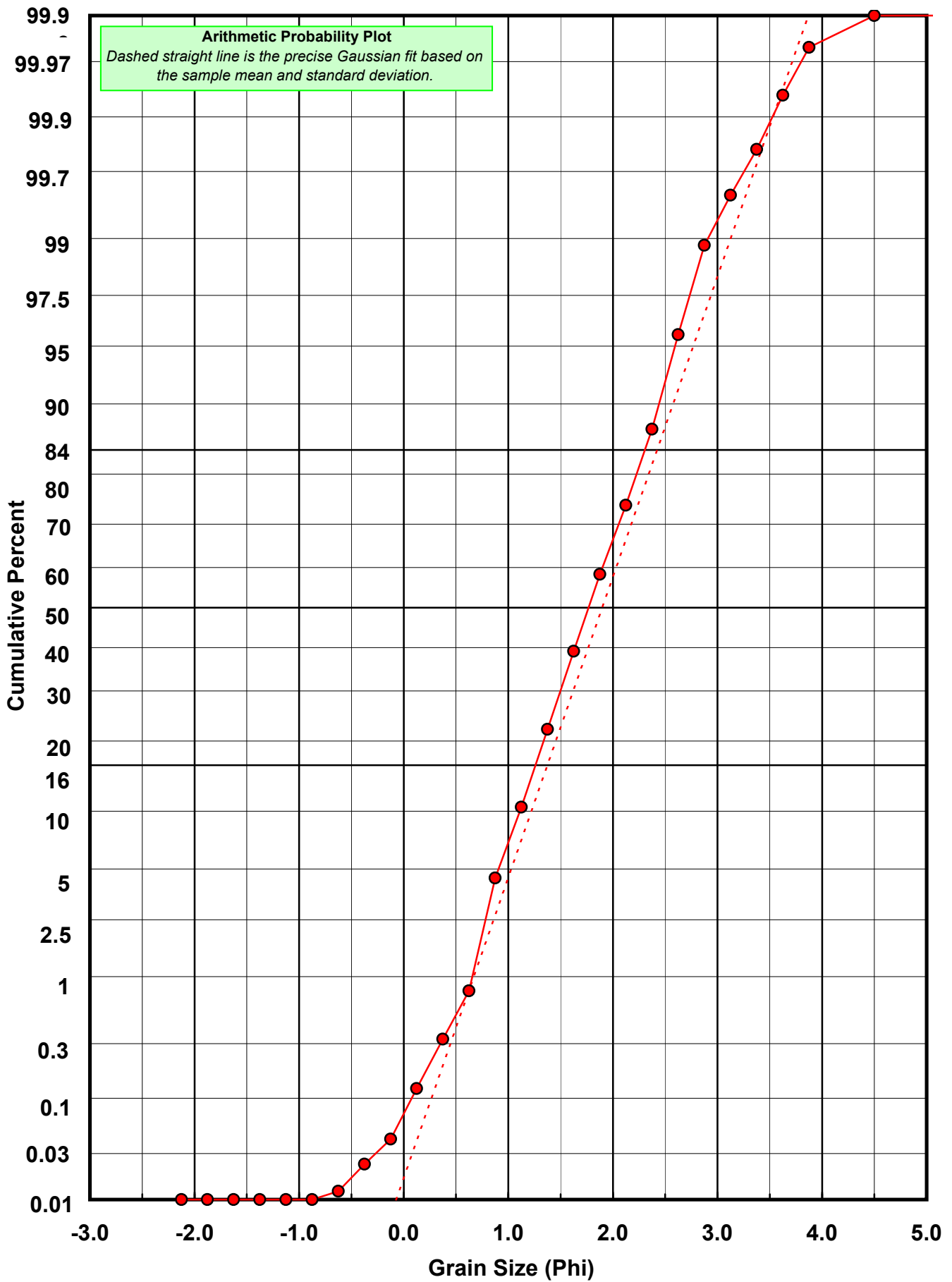
Statistical Results			
Mean:	1.8986	phi	(0.2682 mm)
Standard Dev:	0.5289	phi-units	(0.6931 mm)
Skewness:	0.0041	dimensionless	
Kurtosis:	2.9956	dimensionless	
5th Moment:	0.2959	dimensionless	
6th Moment:	18.7564	dimensionless	
RARD *	0.2786	dimensionless	
Median	1.7663	phi	(0.294 mm)

* 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-02-BB

Total Carbonate Mass: 1.359 grams

% Carbonate: 2.3 %

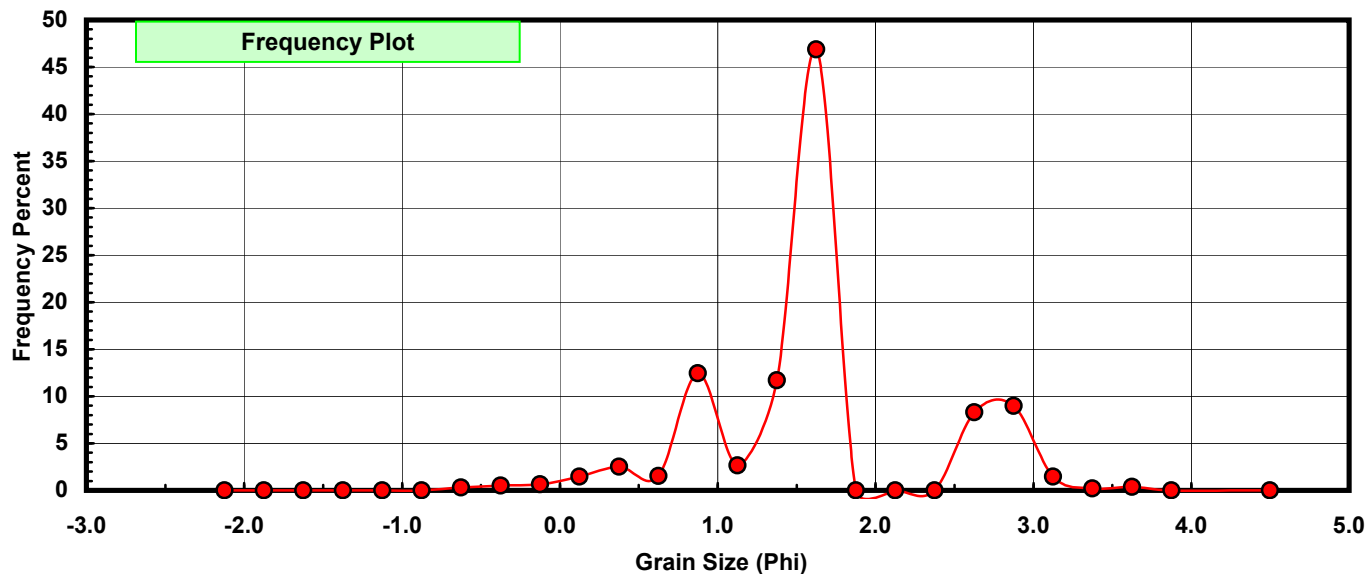
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.004	0.294	0.294
-0.25	-0.375	0.007	0.515	0.809
0.00	-0.125	0.009	0.662	1.472
0.25	0.125	0.020	1.472	2.943
0.50	0.375	0.034	2.502	5.445
0.75	0.625	0.021	1.545	6.990
1.00	0.875	0.169	12.436	19.426
1.25	1.125	0.036	2.649	22.075
1.50	1.375	0.159	11.700	33.775
1.75	1.625	0.637	46.873	80.648
2.00	1.875	0.000	0.000	80.648
2.25	2.125	0.000	0.000	80.648
2.50	2.375	0.000	0.000	80.648
2.75	2.625	0.113	8.315	88.962
3.00	2.875	0.122	8.977	97.940
3.25	3.125	0.020	1.472	99.411
3.50	3.375	0.003	0.221	99.632
3.75	3.625	0.005	0.368	100.000
4.00	3.875	0.000	0.000	100.000
5.00	4.500	0.000	0.000	100.000

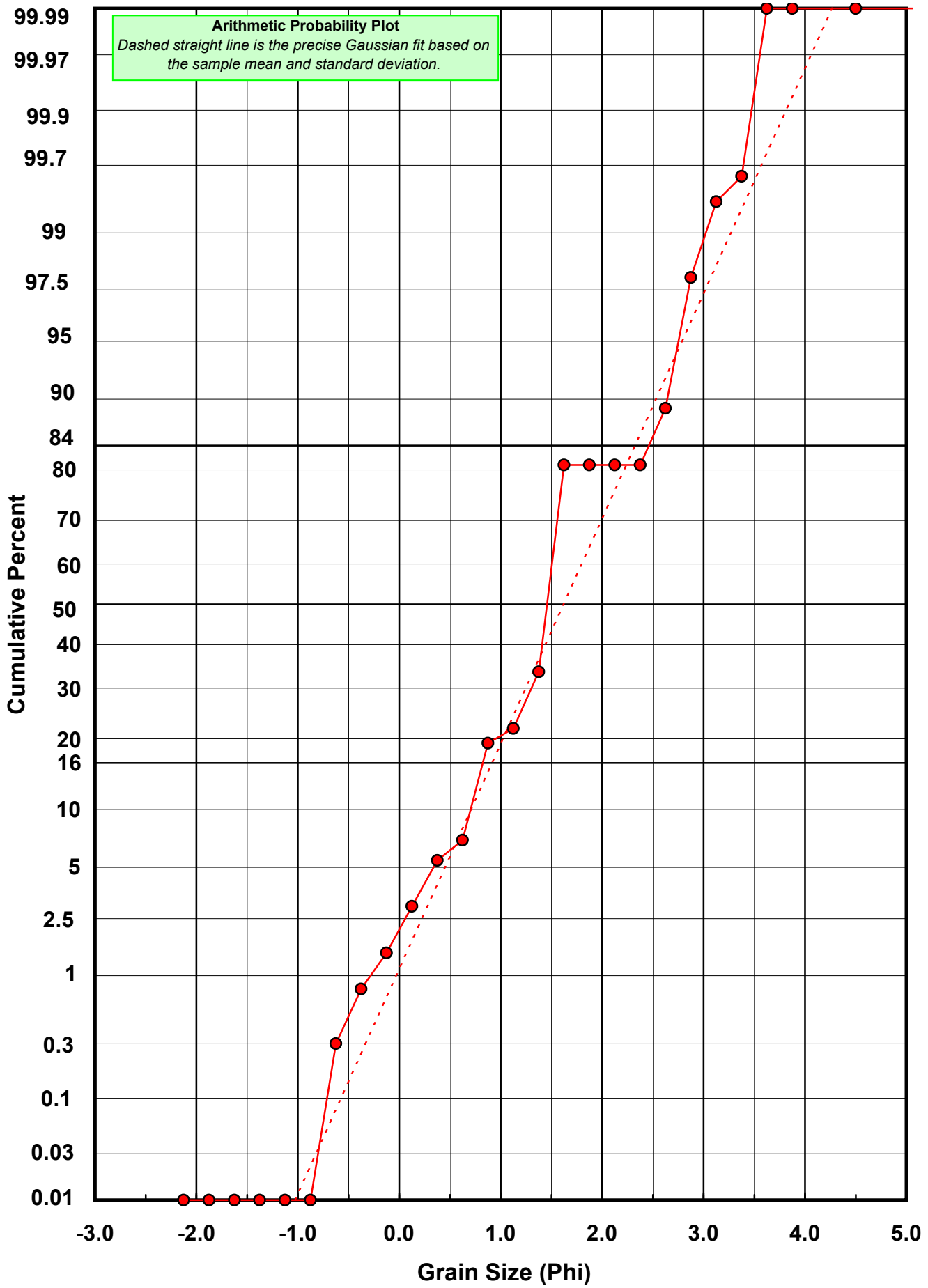
Statistical Results			
Mean:	1.6206	phi	(0.3252 mm)
Standard Dev:	0.7109	phi-units	(0.611 mm)
Skewness:	0.2068	dimensionless	
Kurtosis:	3.4076	dimensionless	
5th Moment:	-0.1941	dimensionless	
6th Moment:	16.2272	dimensionless	
RARD *	0.4386	dimensionless	
Median	1.4615	phi	(0.3631 mm)

* 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-02-BB

Total Digested Mass: 45.760 grams

% Silica: 97.7 %

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	0.017	0.037	0.037
0.50	0.375	0.061	0.133	0.170
0.75	0.625	0.199	0.435	0.605
1.00	0.875	1.529	3.341	3.947
1.25	1.125	2.789	6.095	10.042
1.50	1.375	5.424	11.853	21.895
1.75	1.625	7.267	15.881	37.775
2.00	1.875	9.091	19.867	57.642
2.25	2.125	7.291	15.933	73.575
2.50	2.375	6.211	13.573	87.148
2.75	2.625	4.030	8.807	95.955
3.00	2.875	1.350	2.950	98.905
3.25	3.125	0.294	0.642	99.548
3.50	3.375	0.126	0.275	99.823
3.75	3.625	0.055	0.120	99.943
4.00	3.875	0.026	0.057	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	1.9075	phi	(0.2666 mm)
Standard Dev:	0.5178	phi-units	(0.6984 mm)
Skewness:	0.0144	dimensionless	
Kurtosis:	2.7893	dimensionless	
5th Moment:	0.5505	dimensionless	
6th Moment:	13.5628	dimensionless	
RARD *	0.2715	dimensionless	
Median	1.7788	phi	(0.2914 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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