

**Onshore Grab Sample**

**Sample:** NA-10-B  
**Sample Taken By:** J. Ladner  
**Sample Collected On:** 12/4/02  
**Splits?** N/A

**County:** Nassau  
**Latitude:** 30° 34' 49.4"  
**Longitude:** 81° 26' 34.9"  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 48.632 grams  
Total Fines in Sample 0.133 grams  
Total Percent Fines 0.27 %

**Dry Sieving Summary**

Total Sample Weight 48.543 grams  
Total Digested Weight 47.121 grams  
Total Carbonate Weight 1.422 grams  
Total Silica % 97.07 %  
Total Carbonate % 2.93 %  
Carbonate/Silica Ratio 0.030

**General Comments:**

Post-Digestion: 0.00 phi is Organics Only

**Description**

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

# Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: NA-10-B

Total Sample Mass: 48.543 grams

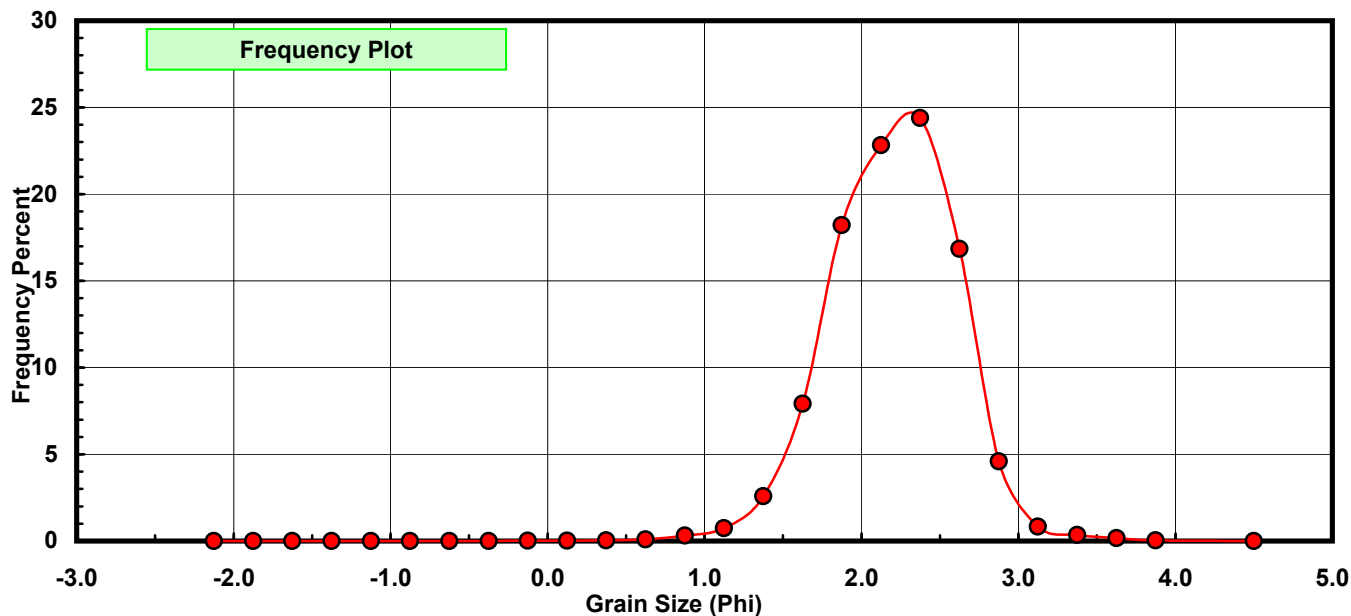
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.003	0.006	0.006
0.00	-0.125	0.010	0.021	0.027
0.25	0.125	0.007	0.014	0.041
0.50	0.375	0.020	0.041	0.082
0.75	0.625	0.048	0.099	0.181
1.00	0.875	0.154	0.317	0.499
1.25	1.125	0.359	0.740	1.238
1.50	1.375	1.256	2.587	3.825
1.75	1.625	3.844	7.919	11.744
2.00	1.875	8.838	18.207	29.951
2.25	2.125	11.082	22.829	52.780
2.50	2.375	11.839	24.389	77.169
2.75	2.625	8.179	16.849	94.018
3.00	2.875	2.233	4.600	98.618
3.25	3.125	0.400	0.824	99.442
3.50	3.375	0.168	0.346	99.788
3.75	3.625	0.080	0.165	99.953
4.00	3.875	0.019	0.039	99.992
5.00	4.500	0.004	0.008	100.000

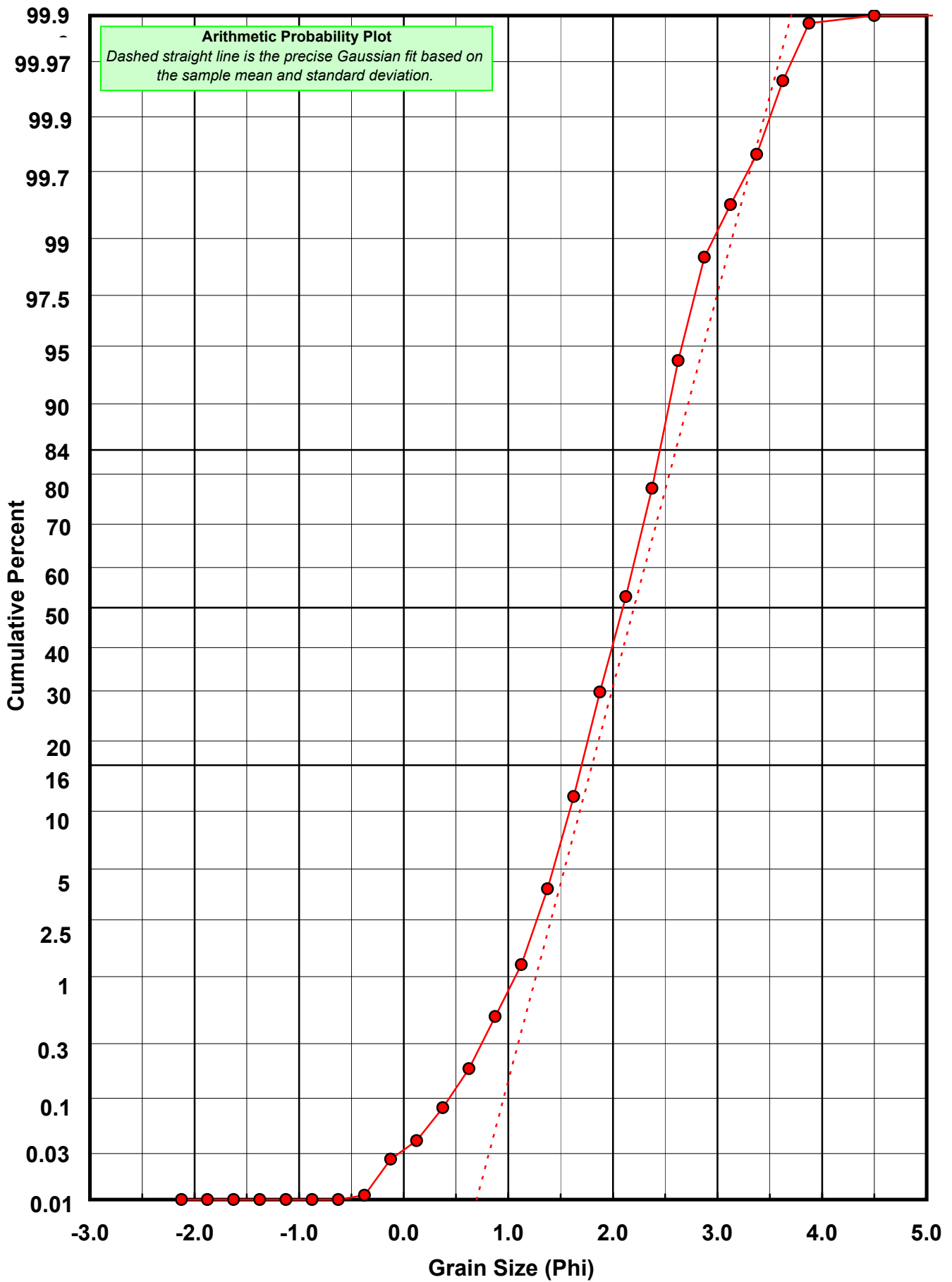
Statistical Results			
Mean:	2.2016	phi	(0.2174 mm)
Standard Dev:	0.4041	phi-units	(0.7557 mm)
Skewness:	-0.2545	dimensionless	
Kurtosis:	4.0035	dimensionless	
5th Moment:	-3.9897	dimensionless	
6th Moment:	43.7953	dimensionless	
RARD *	0.1836	dimensionless	
Median	2.0946	phi	(0.2341 mm)

\* 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: NA-10-B

Total Carbonate Mass: 1.633 grams

% Carbonate: 2.9 %

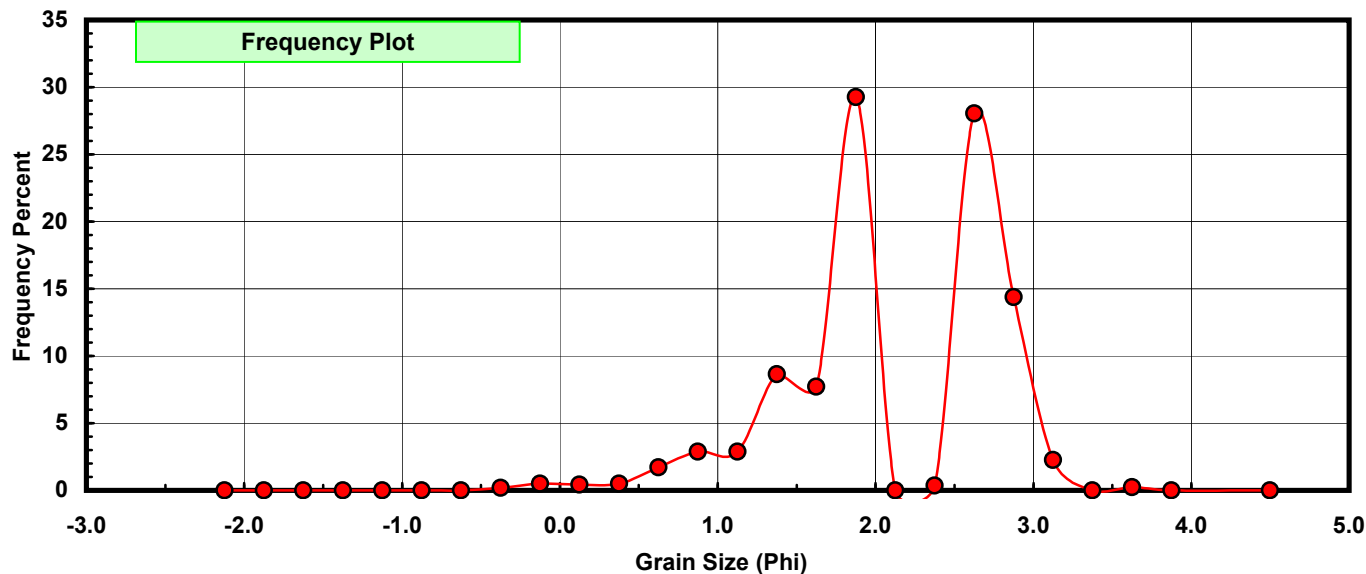
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.003	0.184	0.184
0.00	-0.125	0.008	0.490	0.674
0.25	0.125	0.007	0.429	1.102
0.50	0.375	0.008	0.490	1.592
0.75	0.625	0.028	1.715	3.307
1.00	0.875	0.047	2.878	6.185
1.25	1.125	0.047	2.878	9.063
1.50	1.375	0.141	8.634	17.697
1.75	1.625	0.126	7.716	25.413
2.00	1.875	0.478	29.271	54.685
2.25	2.125	0.000	0.000	54.685
2.50	2.375	0.006	0.367	55.052
2.75	2.625	0.458	28.047	83.099
3.00	2.875	0.235	14.391	97.489
3.25	3.125	0.037	2.266	99.755
3.50	3.375	0.000	0.000	99.755
3.75	3.625	0.004	0.245	100.000
4.00	3.875	0.000	0.000	100.000
5.00	4.500	0.000	0.000	100.000

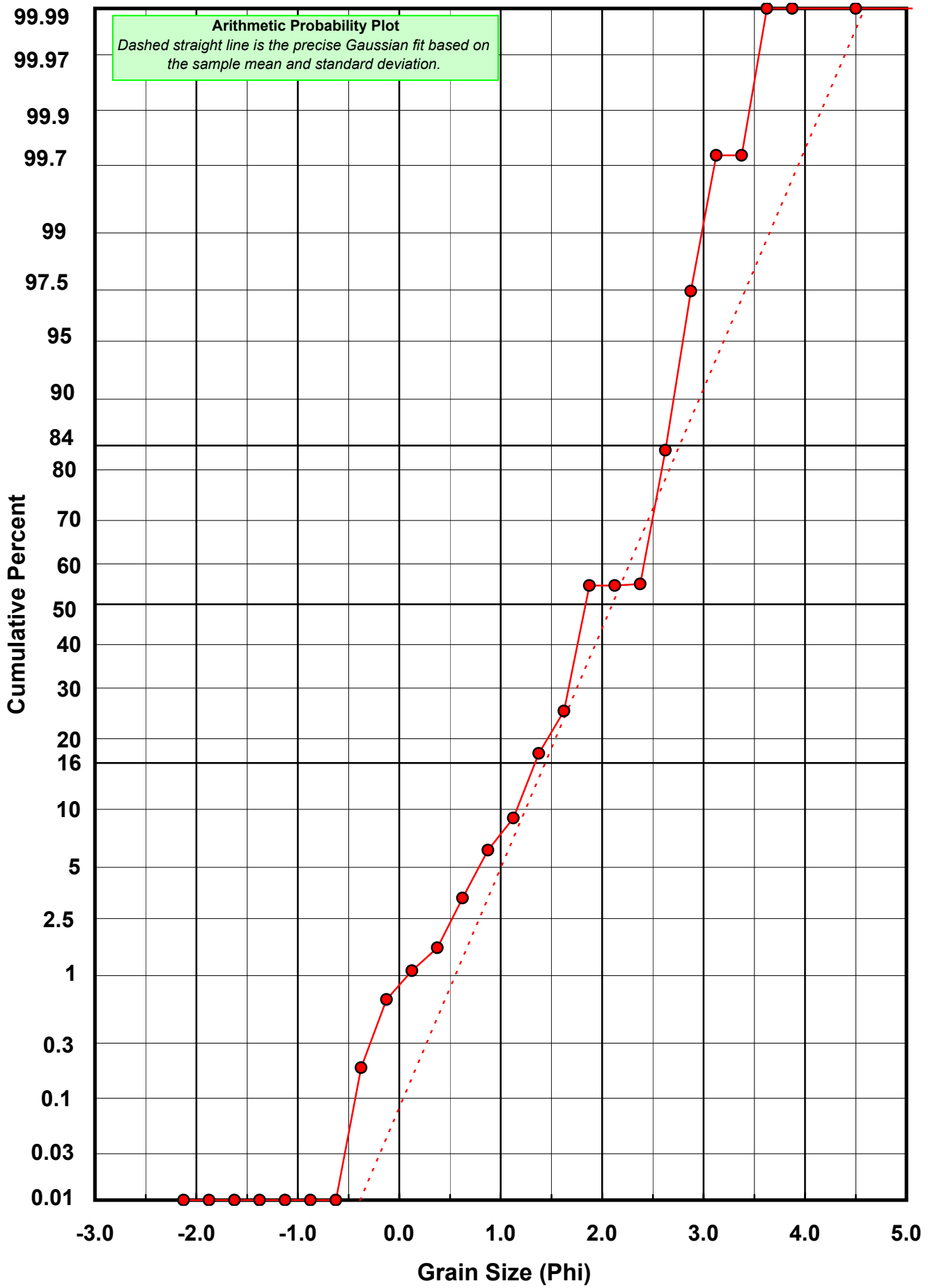
Statistical Results			
Mean:	2.1007	phi	(0.2332 mm)
Standard Dev:	0.6677	phi-units	(0.6295 mm)
Skewness:	-0.6022	dimensionless	
Kurtosis:	3.0700	dimensionless	
5th Moment:	-5.9535	dimensionless	
6th Moment:	20.4248	dimensionless	
RARD *	0.3178	dimensionless	
Median	1.8350	phi	(0.2803 mm)

\* 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: NA-10-B

Total Digested Mass: 47.115 grams

% Silica: 97.1 %

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	0.002	0.004	0.004
0.25	0.125	0.000	0.000	0.004
0.50	0.375	0.012	0.025	0.030
0.75	0.625	0.020	0.042	0.072
1.00	0.875	0.107	0.227	0.299
1.25	1.125	0.312	0.662	0.961
1.50	1.375	1.115	2.367	3.328
1.75	1.625	3.718	7.891	11.219
2.00	1.875	8.360	17.744	28.963
2.25	2.125	11.283	23.948	52.911
2.50	2.375	11.833	25.115	78.026
2.75	2.625	7.721	16.388	94.414
3.00	2.875	1.998	4.241	98.654
3.25	3.125	0.363	0.770	99.425
3.50	3.375	0.171	0.363	99.788
3.75	3.625	0.076	0.161	99.949
4.00	3.875	0.024	0.051	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	2.2049	phi	(0.2169 mm)
Standard Dev:	0.3901	phi-units	(0.7631 mm)
Skewness:	-0.1359	dimensionless	
Kurtosis:	3.6101	dimensionless	
5th Moment:	-1.1062	dimensionless	
6th Moment:	28.9875	dimensionless	
RARD *	0.1769	dimensionless	
Median	2.0946	phi	(0.2341 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	
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