

**Onshore Grab Sample**

**Sample:** NA-09-BB  
**Sample Taken By:** J. Ladner  
**Sample Collected On:** 12/4/02  
**Splits?** N/A

**County:** Nassau  
**Latitude:** 30° 35' 41.7"  
**Longitude:** 81° 26' 34.1"  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 50.632 grams  
Total Fines in Sample 0.042 grams  
Total Percent Fines 0.08 %

**Dry Sieving Summary**

Total Sample Weight 50.647 grams  
Total Digested Weight 47.847 grams  
Total Carbonate Weight 2.800 grams  
Total Silica % 94.47 %  
Total Carbonate % 5.53 %  
Carbonate/Silica Ratio 0.059

**General Comments:**

Post-Digestion: -0.75 phi is Orgaincs Only

**Description**

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

# Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: NA-09-BB

Total Sample Mass: 50.647 grams

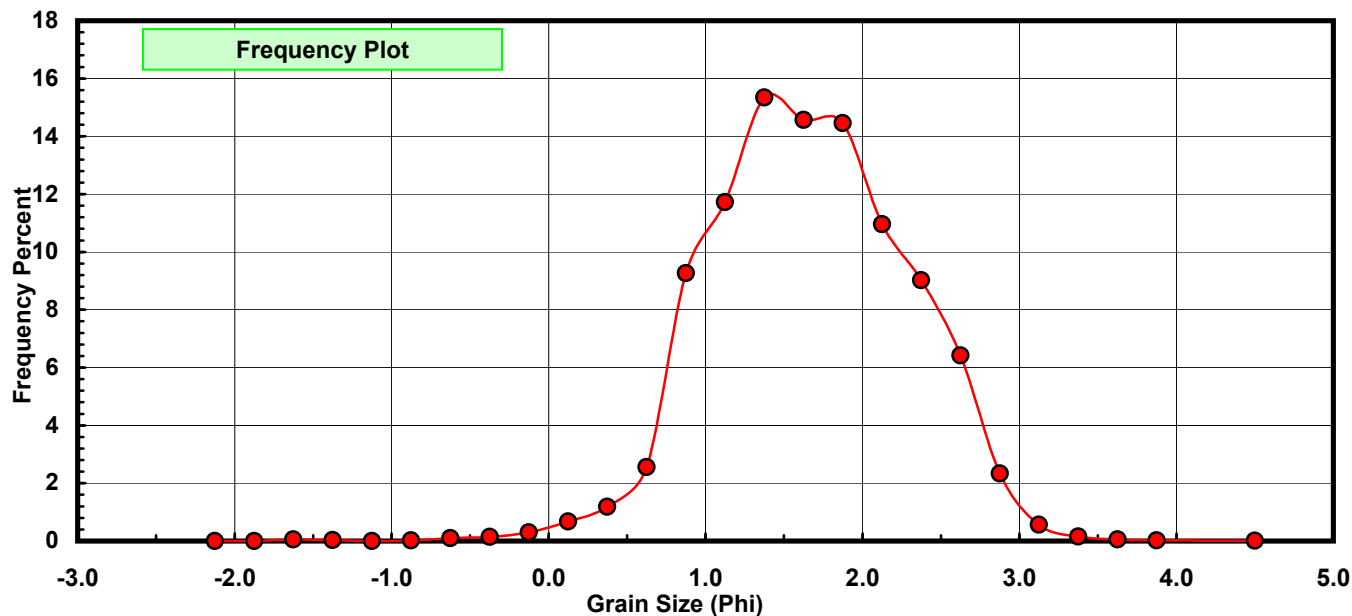
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.029	0.057	0.057
-1.25	-1.375	0.017	0.034	0.091
-1.00	-1.125	0.000	0.000	0.091
-0.75	-0.875	0.014	0.028	0.118
-0.50	-0.625	0.050	0.099	0.217
-0.25	-0.375	0.075	0.148	0.365
0.00	-0.125	0.151	0.298	0.663
0.25	0.125	0.343	0.677	1.341
0.50	0.375	0.601	1.187	2.527
0.75	0.625	1.296	2.559	5.086
1.00	0.875	4.690	9.260	14.346
1.25	1.125	5.940	11.728	26.075
1.50	1.375	7.772	15.345	41.420
1.75	1.625	7.379	14.569	55.989
2.00	1.875	7.325	14.463	70.452
2.25	2.125	5.552	10.962	81.414
2.50	2.375	4.567	9.017	90.432
2.75	2.625	3.254	6.425	96.857
3.00	2.875	1.184	2.338	99.194
3.25	3.125	0.288	0.569	99.763
3.50	3.375	0.079	0.156	99.919
3.75	3.625	0.026	0.051	99.970
4.00	3.875	0.009	0.018	99.988
5.00	4.500	0.006	0.012	100.000

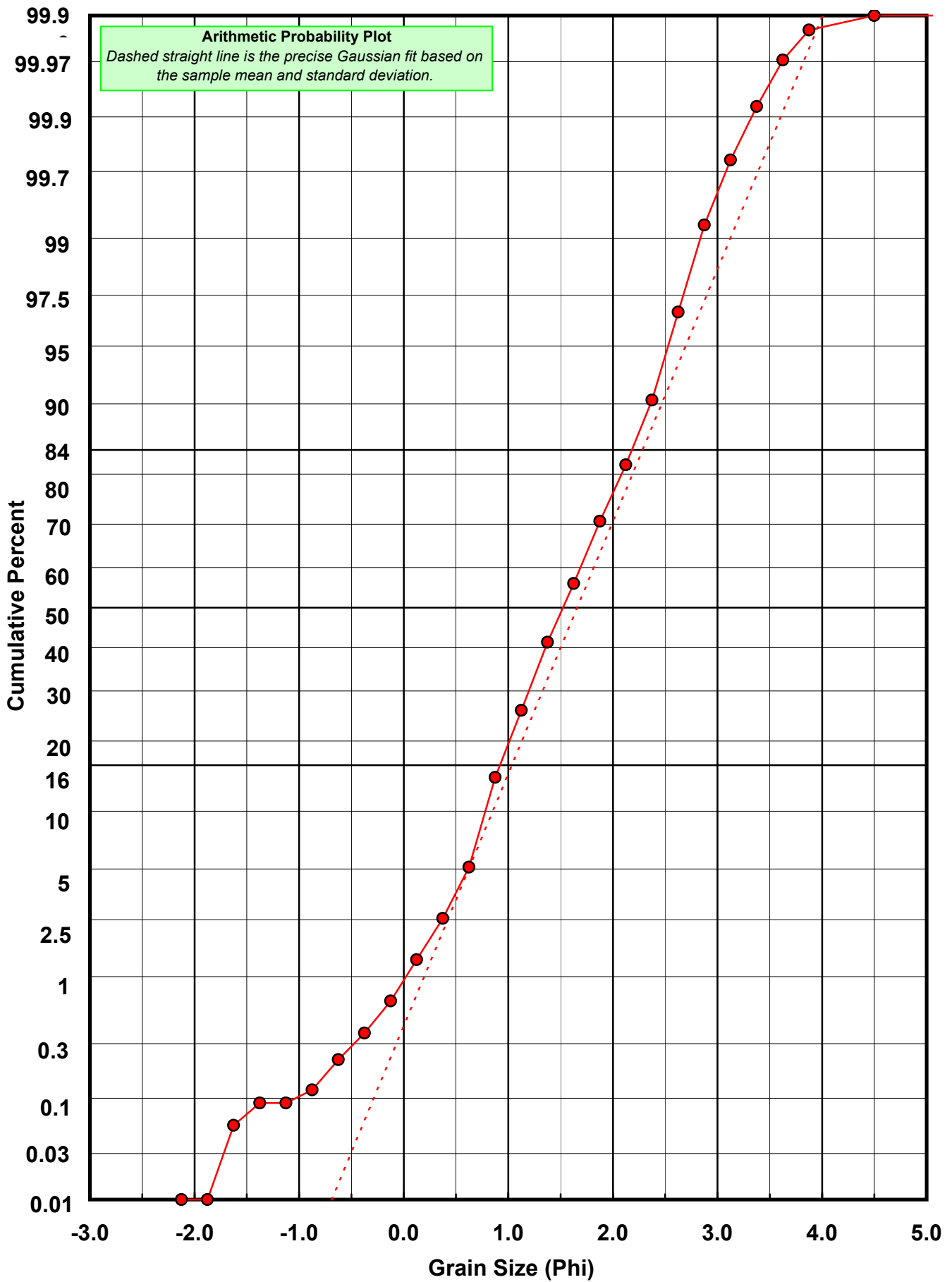
Statistical Results			
Mean:	1.6591	phi	(0.3166 mm)
Standard Dev:	0.6304	phi-units	(0.646 mm)
Skewness:	-0.1602	dimensionless	
Kurtosis:	3.4187	dimensionless	
5th Moment:	-4.2956	dimensionless	
6th Moment:	31.5782	dimensionless	
RARD *	0.3799	dimensionless	
Median	1.5222	phi	(0.3481 mm)

\* 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-09-BB

Total Carbonate Mass: 2.835 grams

% Carbonate: 5.5 %

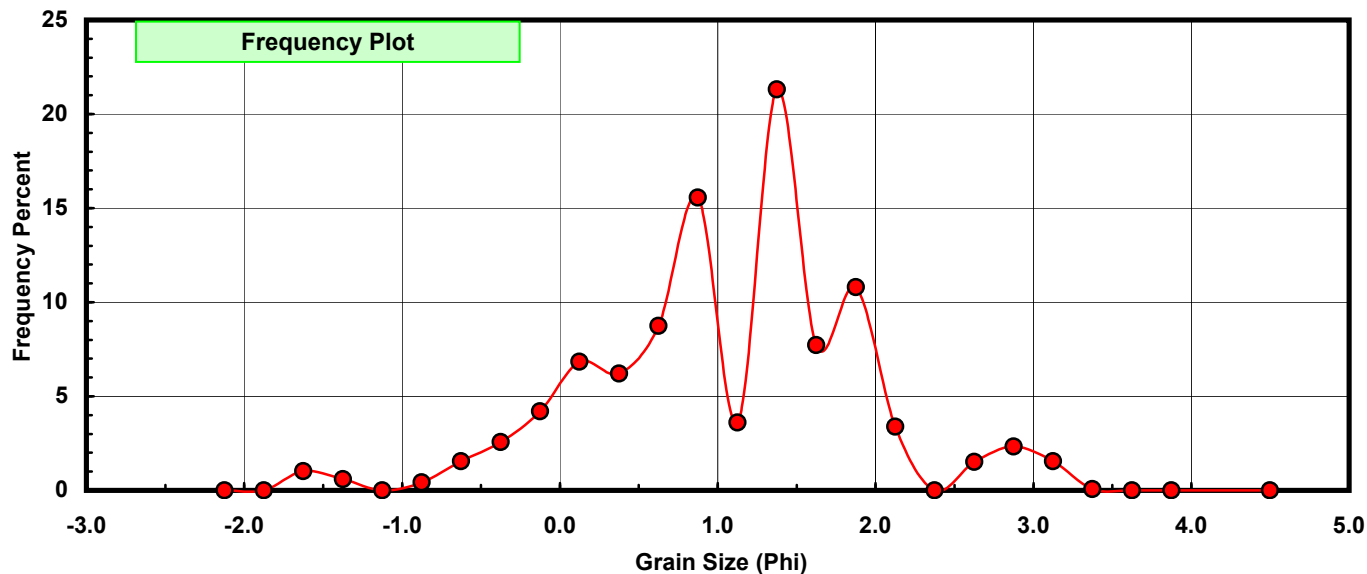
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.029	1.023	1.023
-1.25	-1.375	0.017	0.600	1.623
-1.00	-1.125	0.000	0.000	1.623
-0.75	-0.875	0.012	0.423	2.046
-0.50	-0.625	0.044	1.552	3.598
-0.25	-0.375	0.073	2.575	6.173
0.00	-0.125	0.119	4.198	10.370
0.25	0.125	0.194	6.843	17.213
0.50	0.375	0.176	6.208	23.422
0.75	0.625	0.248	8.748	32.169
1.00	0.875	0.441	15.556	47.725
1.25	1.125	0.102	3.598	51.323
1.50	1.375	0.604	21.305	72.628
1.75	1.625	0.219	7.725	80.353
2.00	1.875	0.306	10.794	91.146
2.25	2.125	0.096	3.386	94.533
2.50	2.375	0.000	0.000	94.533
2.75	2.625	0.043	1.517	96.049
3.00	2.875	0.066	2.328	98.377
3.25	3.125	0.044	1.552	99.929
3.50	3.375	0.002	0.071	100.000
3.75	3.625	0.000	0.000	100.000
4.00	3.875	0.000	0.000	100.000
5.00	4.500	0.000	0.000	100.000

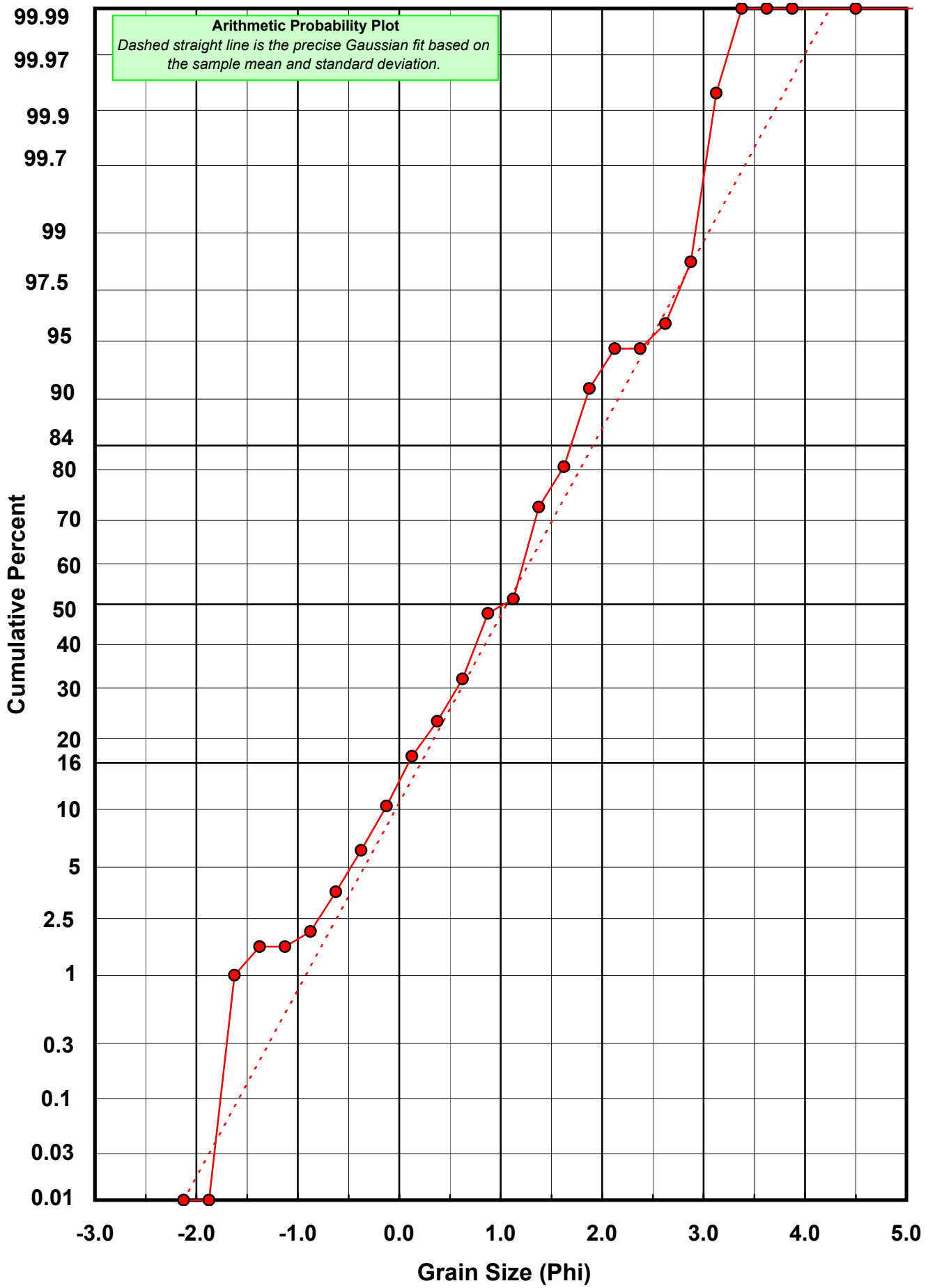
Statistical Results			
Mean:	1.0604	phi	(0.4795 mm)
Standard Dev:	0.8555	phi-units	(0.5527 mm)
Skewness:	-0.2517	dimensionless	
Kurtosis:	3.6137	dimensionless	
5th Moment:	-2.7572	dimensionless	
6th Moment:	21.7023	dimensionless	
RARD *	0.8068	dimensionless	
Median	1.0331	phi	(0.4887 mm)

\* 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-09-BB

Total Digested Mass: 47.841 grams

% Silica: 94.5 %

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	0.002	0.004	0.004
-0.50	-0.625	0.006	0.013	0.017
-0.25	-0.375	0.002	0.004	0.021
0.00	-0.125	0.032	0.067	0.088
0.25	0.125	0.149	0.311	0.399
0.50	0.375	0.425	0.888	1.288
0.75	0.625	1.048	2.191	3.478
1.00	0.875	4.249	8.882	12.360
1.25	1.125	5.838	12.203	24.563
1.50	1.375	7.168	14.983	39.546
1.75	1.625	7.160	14.966	54.512
2.00	1.875	7.019	14.672	69.183
2.25	2.125	5.456	11.404	80.588
2.50	2.375	4.599	9.613	90.201
2.75	2.625	3.211	6.712	96.913
3.00	2.875	1.118	2.337	99.250
3.25	3.125	0.244	0.510	99.760
3.50	3.375	0.077	0.161	99.921
3.75	3.625	0.028	0.059	99.979
4.00	3.875	0.010	0.021	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	1.6948	phi	(0.3089 mm)
Standard Dev:	0.5945	phi-units	(0.6623 mm)
Skewness:	0.0928	dimensionless	
Kurtosis:	2.5338	dimensionless	
5th Moment:	0.4020	dimensionless	
6th Moment:	10.7872	dimensionless	
RARD *	0.3508	dimensionless	
Median	1.5496	phi	(0.3416 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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