

Onshore Grab Sample

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

County: Nassau
Latitude: 30° 35' 41.6"
Longitude: 81° 26' 33.5"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	45.219 grams
Total Fines in Sample	0.124 grams
Total Percent Fines	0.27 %

Dry Sieving Summary

Total Sample Weight	44.943 grams
Total Digested Weight	44.031 grams
Total Carbonate Weight	0.912 grams
Total Silica %	97.97 %
Total Carbonate %	2.03 %
Carbonate/Silica Ratio	0.021

General Comments:

None

Description

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

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: NA-09-B

Total Sample Mass: 44.943 grams

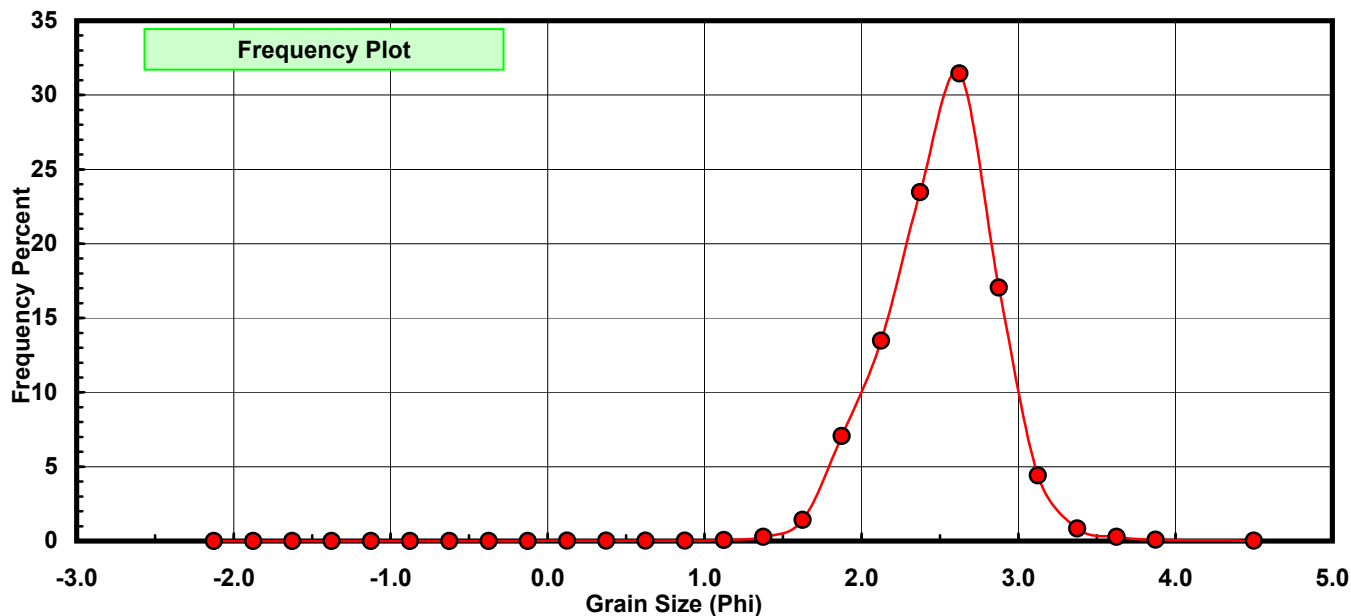
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.003	0.007	0.007
0.25	0.125	0.009	0.020	0.027
0.50	0.375	0.013	0.029	0.056
0.75	0.625	0.011	0.024	0.080
1.00	0.875	0.013	0.029	0.109
1.25	1.125	0.029	0.065	0.174
1.50	1.375	0.122	0.271	0.445
1.75	1.625	0.643	1.431	1.876
2.00	1.875	3.175	7.065	8.940
2.25	2.125	6.052	13.466	22.406
2.50	2.375	10.543	23.459	45.865
2.75	2.625	14.134	31.449	77.313
3.00	2.875	7.659	17.042	94.355
3.25	3.125	1.988	4.423	98.778
3.50	3.375	0.380	0.846	99.624
3.75	3.625	0.126	0.280	99.904
4.00	3.875	0.034	0.076	99.980
5.00	4.500	0.009	0.020	100.000

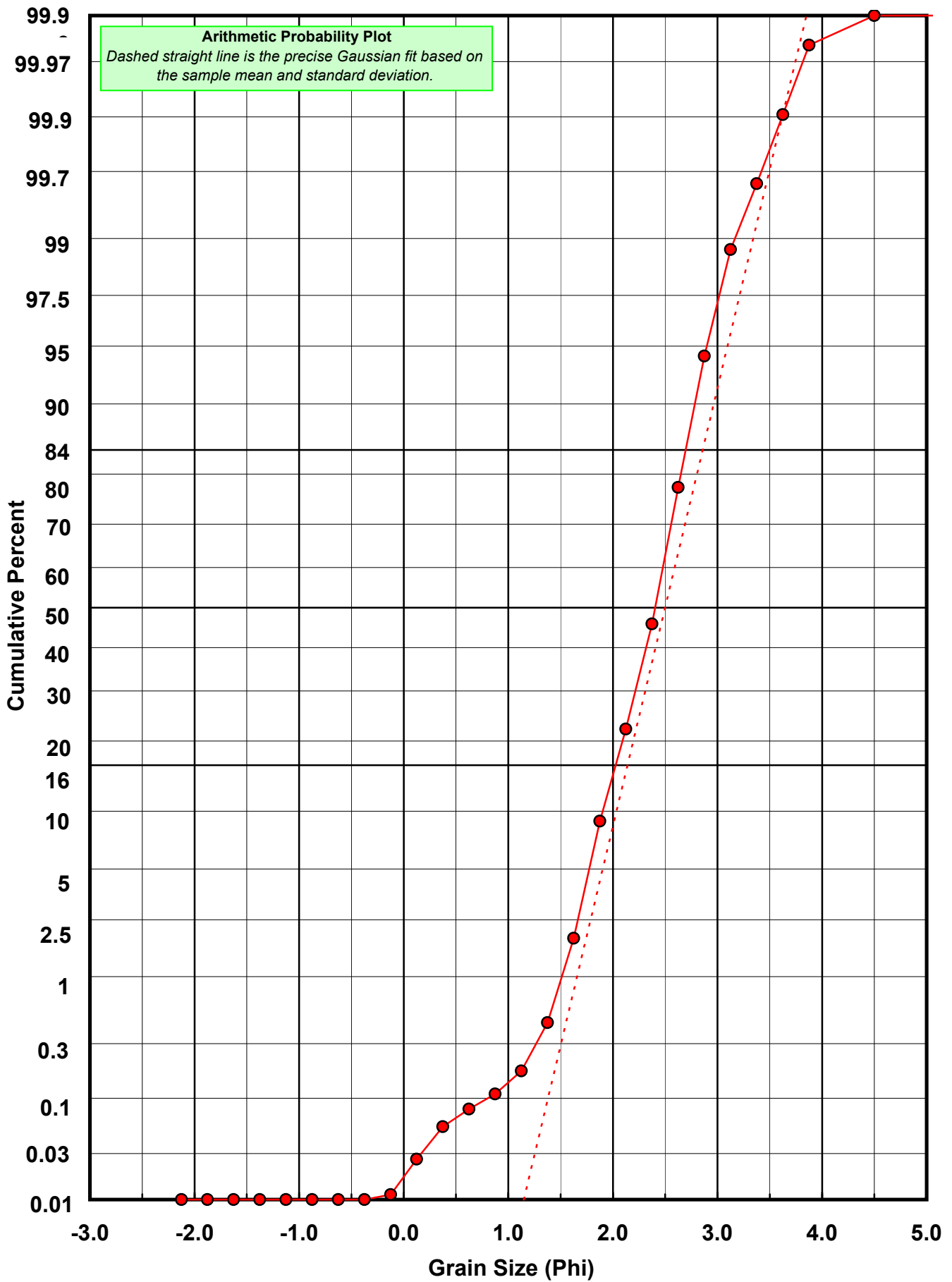
Statistical Results			
Mean:	2.5002	phi	(0.1767 mm)
Standard Dev:	0.3629	phi-units	(0.7776 mm)
Skewness:	-0.3407	dimensionless	
Kurtosis:	4.4004	dimensionless	
5th Moment:	-7.0167	dimensionless	
6th Moment:	68.0259	dimensionless	
RARD *	0.1451	dimensionless	
Median	2.4079	phi	(0.1884 mm)

* 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-B

Total Carbonate Mass: 1.753 grams

% Carbonate: 2.0 %

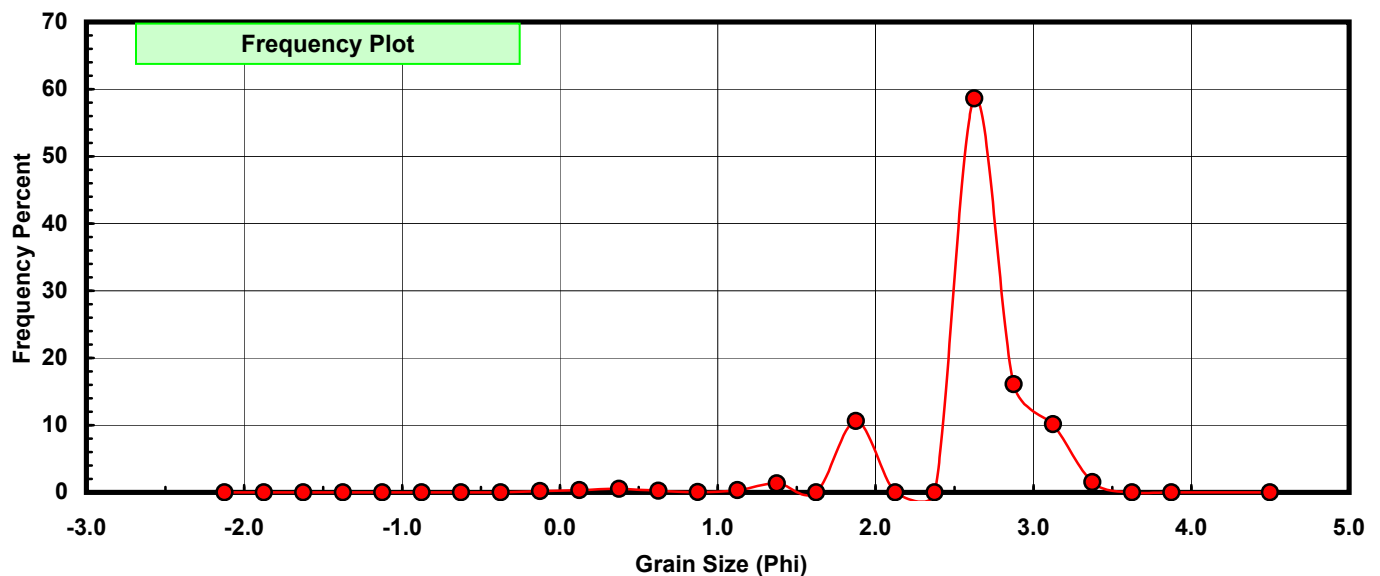
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.003	0.171	0.171
0.25	0.125	0.006	0.342	0.513
0.50	0.375	0.009	0.513	1.027
0.75	0.625	0.004	0.228	1.255
1.00	0.875	0.001	0.057	1.312
1.25	1.125	0.006	0.342	1.654
1.50	1.375	0.023	1.312	2.966
1.75	1.625	0.000	0.000	2.966
2.00	1.875	0.186	10.610	13.577
2.25	2.125	0.000	0.000	13.577
2.50	2.375	0.000	0.000	13.577
2.75	2.625	1.028	58.642	72.219
3.00	2.875	0.282	16.087	88.306
3.25	3.125	0.178	10.154	98.460
3.50	3.375	0.027	1.540	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

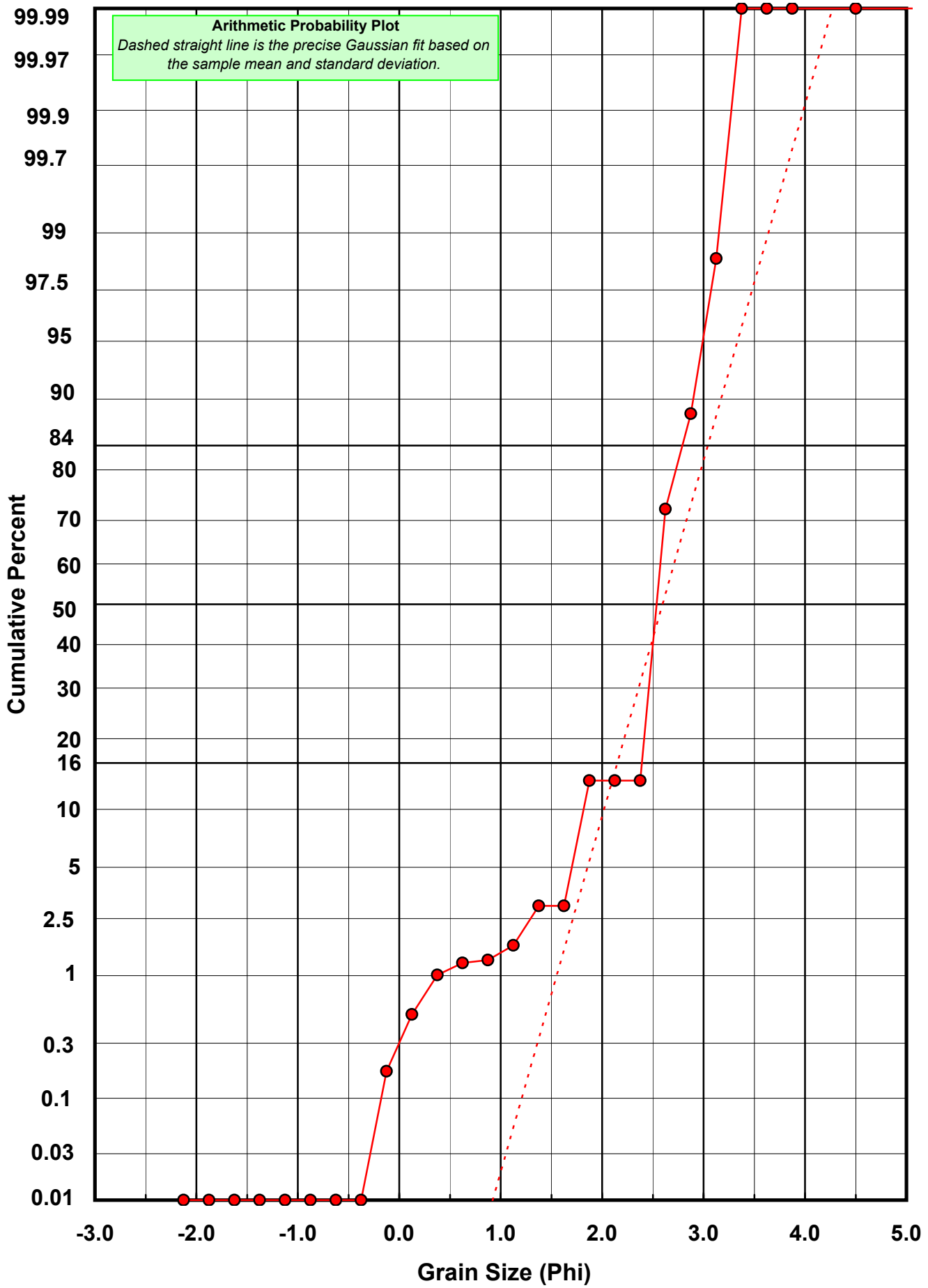
Statistical Results			
Mean:	2.5960	phi	(0.1654 mm)
Standard Dev:	0.4498	phi-units	(0.7321 mm)
Skewness:	-2.3236	dimensionless	
Kurtosis:	11.5833	dimensionless	
5th Moment:	-54.0538	dimensionless	
6th Moment:	282.1438	dimensionless	
RARD *	0.1733	dimensionless	
Median	2.5303	phi	(0.1731 mm)

* 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-B

Total Digested Mass: 44.025 grams

% Silica: 98.0 %

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	0.003	0.007	0.007
0.50	0.375	0.004	0.009	0.016
0.75	0.625	0.007	0.016	0.032
1.00	0.875	0.012	0.027	0.059
1.25	1.125	0.023	0.052	0.111
1.50	1.375	0.099	0.225	0.336
1.75	1.625	0.671	1.524	1.860
2.00	1.875	2.989	6.789	8.650
2.25	2.125	6.332	14.383	23.032
2.50	2.375	11.076	25.158	48.191
2.75	2.625	13.106	29.769	77.960
3.00	2.875	7.377	16.756	94.717
3.25	3.125	1.810	4.111	98.828
3.50	3.375	0.353	0.802	99.630
3.75	3.625	0.127	0.288	99.918
4.00	3.875	0.036	0.082	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	2.4916	phi	(0.1778 mm)
Standard Dev:	0.3559	phi-units	(0.7814 mm)
Skewness:	-0.2101	dimensionless	
Kurtosis:	3.6411	dimensionless	
5th Moment:	-3.0365	dimensionless	
6th Moment:	34.6760	dimensionless	
RARD *	0.1428	dimensionless	
Median	2.3902	phi	(0.1908 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)

