

Onshore Grab Sample

Sample: NA-07-MB
Sample Taken By: J. Ladner
Sample Collected On: 12/4/02
Splits? N/A

County: Nassau
Latitude: 30° 37' 25.7"
Longitude: 81° 26' 18.7"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 52.691 grams
Total Fines in Sample 0.040 grams
Total Percent Fines 0.08 %

Dry Sieving Summary

Total Sample Weight 51.794 grams
Total Digested Weight 49.089 grams
Total Carbonate Weight 2.705 grams
Total Silica % 94.78 %
Total Carbonate % 5.22 %
Carbonate/Silica Ratio 0.055

General Comments:

None

Description

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

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: NA-07-MB

Total Sample Mass: 51.794 grams

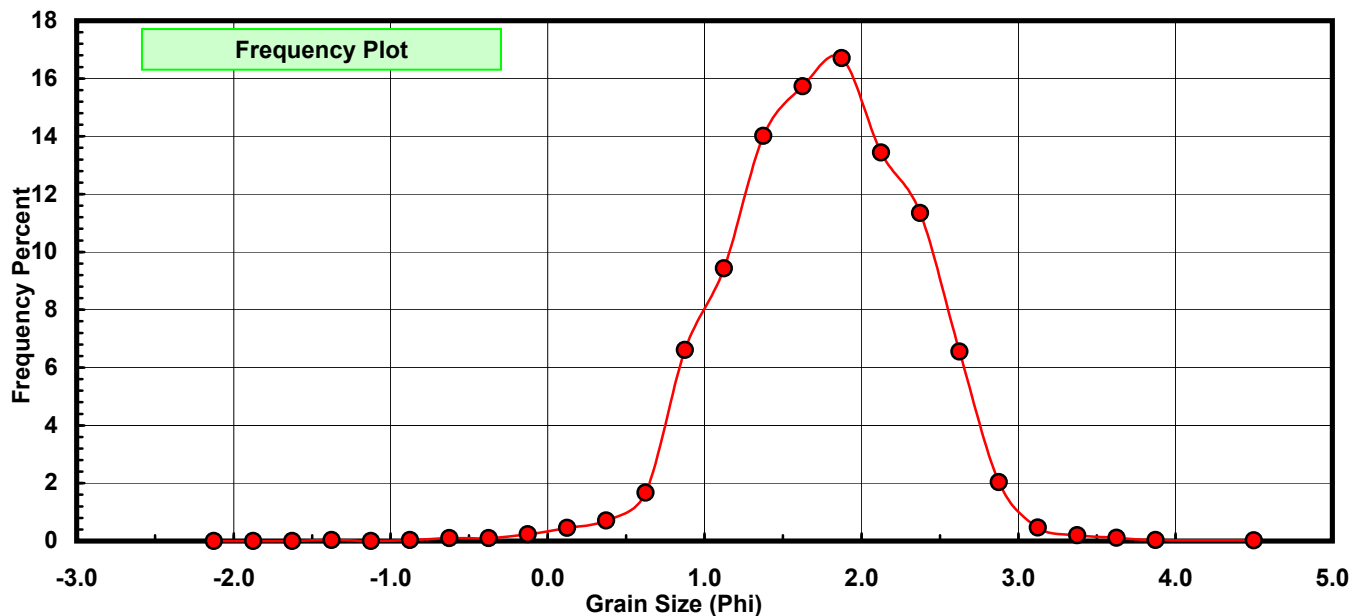
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.016	0.031	0.031
-1.00	-1.125	0.000	0.000	0.031
-0.75	-0.875	0.016	0.031	0.062
-0.50	-0.625	0.054	0.104	0.166
-0.25	-0.375	0.049	0.095	0.261
0.00	-0.125	0.122	0.236	0.496
0.25	0.125	0.233	0.450	0.946
0.50	0.375	0.368	0.711	1.657
0.75	0.625	0.864	1.668	3.325
1.00	0.875	3.421	6.605	9.930
1.25	1.125	4.883	9.428	19.357
1.50	1.375	7.260	14.017	33.375
1.75	1.625	8.148	15.732	49.106
2.00	1.875	8.650	16.701	65.807
2.25	2.125	6.958	13.434	79.241
2.50	2.375	5.875	11.343	90.584
2.75	2.625	3.397	6.559	97.143
3.00	2.875	1.053	2.033	99.176
3.25	3.125	0.238	0.460	99.635
3.50	3.375	0.101	0.195	99.830
3.75	3.625	0.057	0.110	99.940
4.00	3.875	0.017	0.033	99.973
5.00	4.500	0.014	0.027	100.000

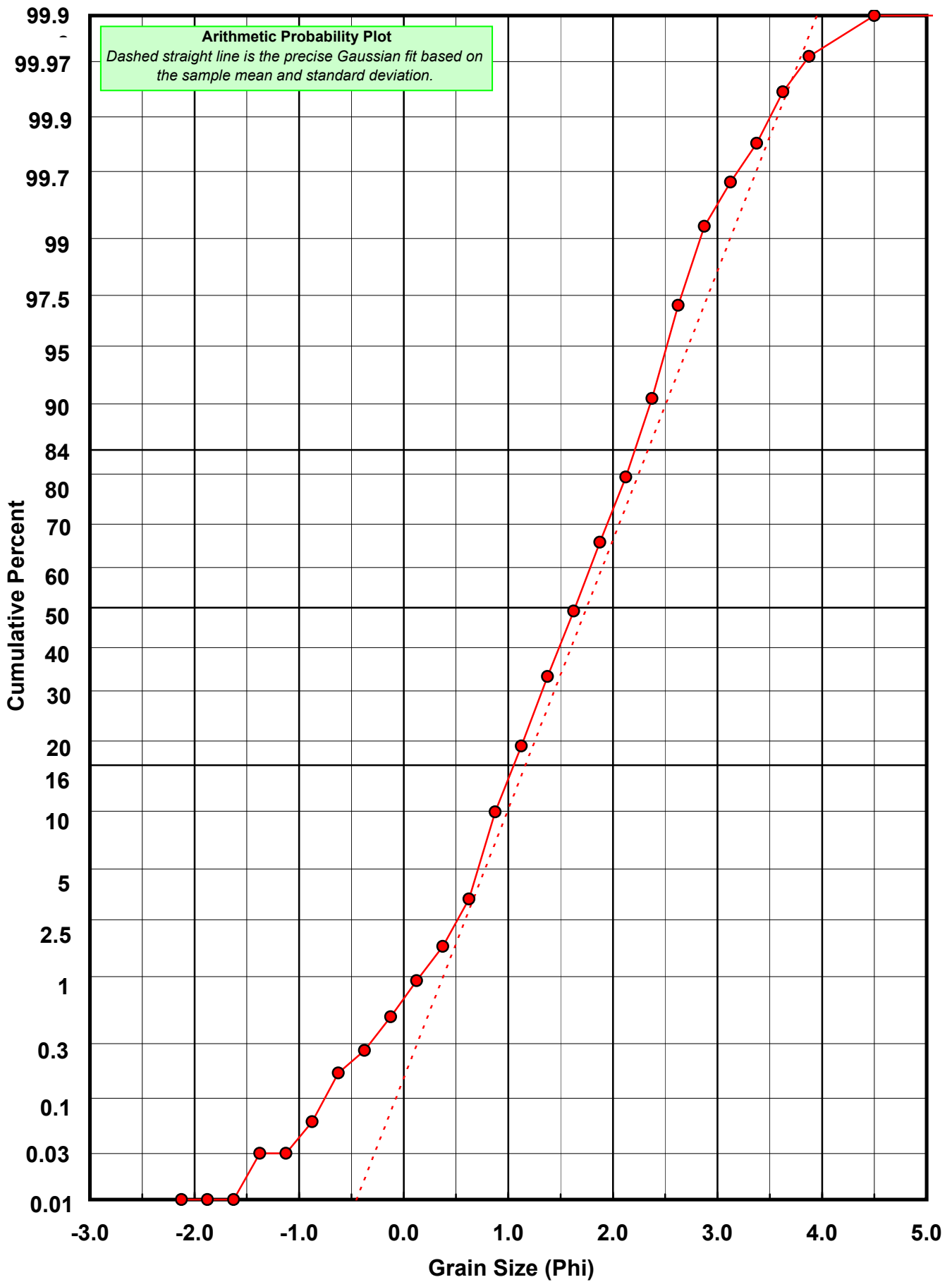
Statistical Results			
Mean:	1.7499	phi	(0.2973 mm)
Standard Dev:	0.5910	phi-units	(0.6639 mm)
Skewness:	-0.2256	dimensionless	
Kurtosis:	3.5258	dimensionless	
5th Moment:	-3.6147	dimensionless	
6th Moment:	31.2288	dimensionless	
RARD *	0.3377	dimensionless	
Median	1.6384	phi	(0.3212 mm)

* 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-07-MB

Total Carbonate Mass: 2.839 grams

% Carbonate: 5.2 %

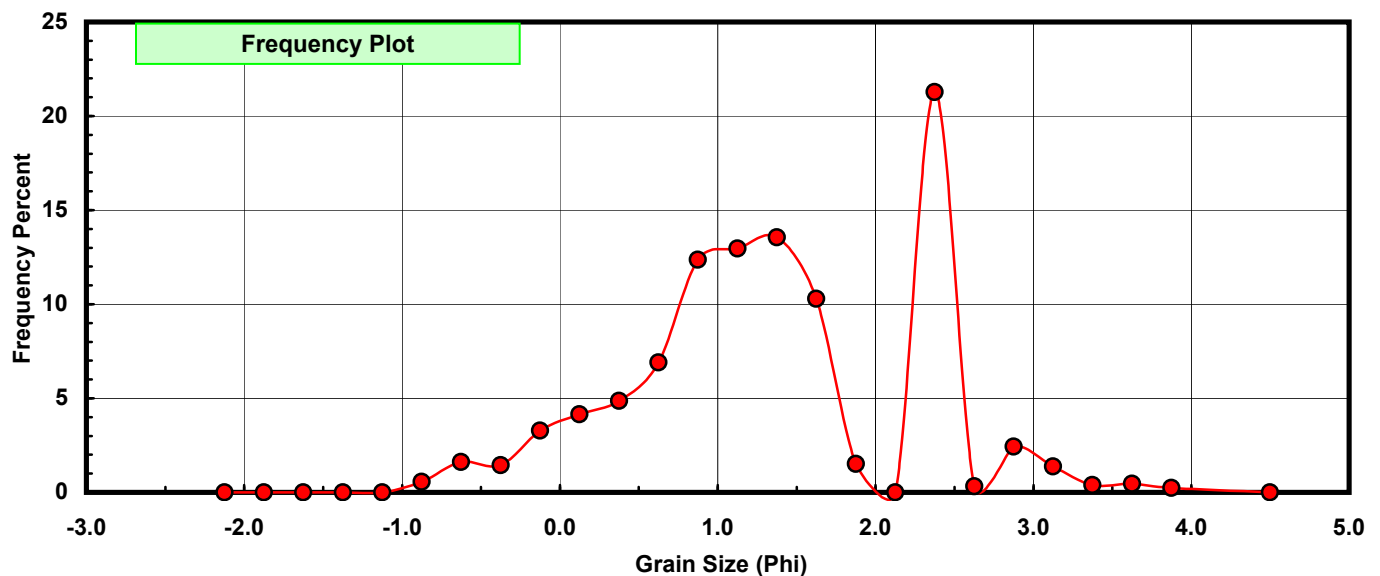
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.016	0.564	0.564
-0.50	-0.625	0.046	1.620	2.184
-0.25	-0.375	0.041	1.444	3.628
0.00	-0.125	0.093	3.276	6.904
0.25	0.125	0.118	4.156	11.060
0.50	0.375	0.138	4.861	15.921
0.75	0.625	0.196	6.904	22.825
1.00	0.875	0.351	12.364	35.188
1.25	1.125	0.368	12.962	48.151
1.50	1.375	0.385	13.561	61.712
1.75	1.625	0.292	10.285	71.997
2.00	1.875	0.043	1.515	73.512
2.25	2.125	0.000	0.000	73.512
2.50	2.375	0.604	21.275	94.787
2.75	2.625	0.009	0.317	95.104
3.00	2.875	0.069	2.430	97.534
3.25	3.125	0.039	1.374	98.908
3.50	3.375	0.011	0.387	99.296
3.75	3.625	0.013	0.458	99.753
4.00	3.875	0.007	0.247	100.000
5.00	4.500	0.000	0.000	100.000

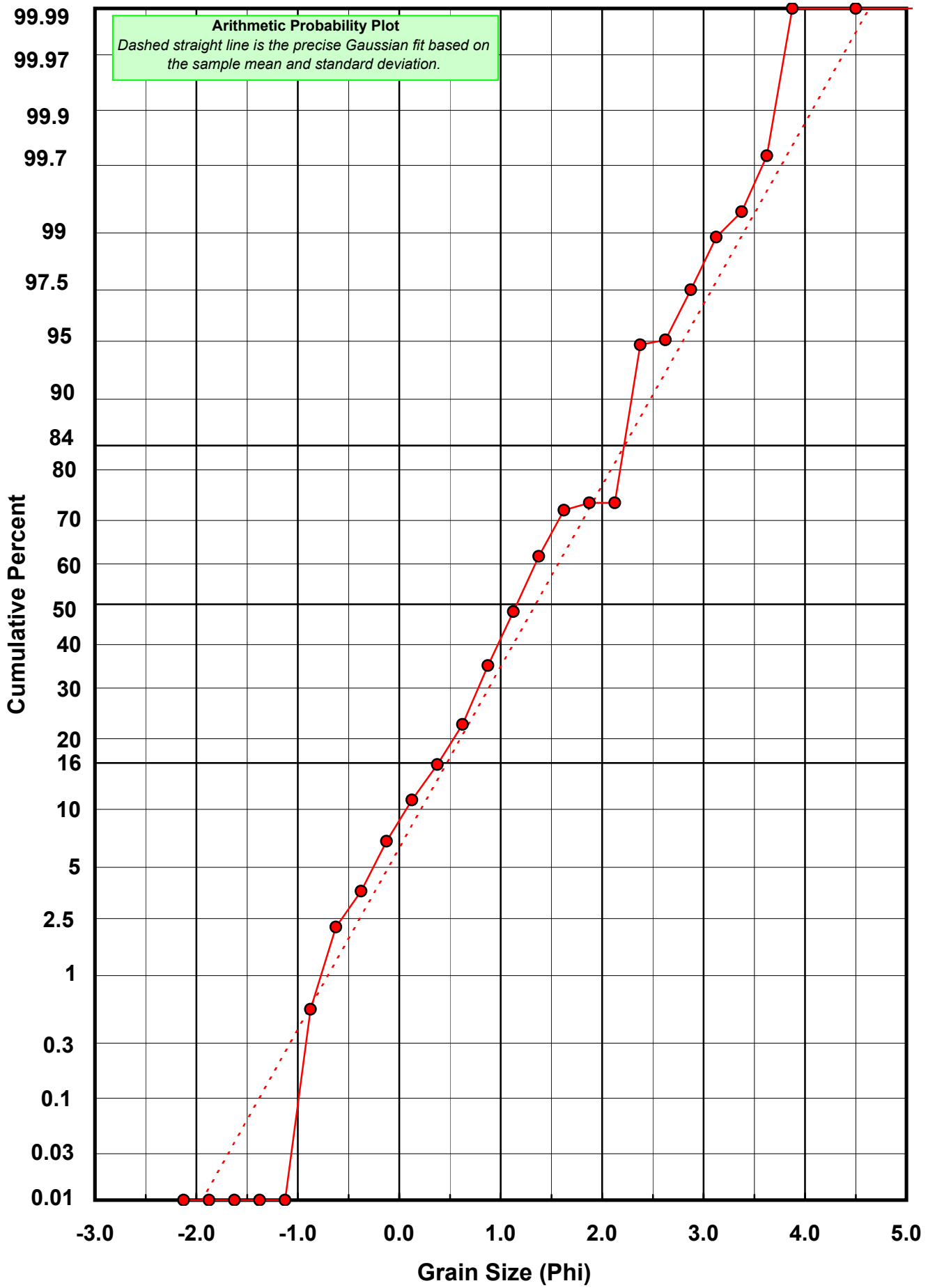
Statistical Results			
Mean:	1.3437	phi	(0.394 mm)
Standard Dev:	0.8834	phi-units	(0.5421 mm)
Skewness:	0.0218	dimensionless	
Kurtosis:	2.6790	dimensionless	
5th Moment:	-0.0137	dimensionless	
6th Moment:	10.7129	dimensionless	
RARD *	0.6575	dimensionless	
Median	1.1591	phi	(0.4478 mm)

* 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-07-MB

Total Digested Mass: 49.084 grams

% Silica: 94.8 %

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	0.016	0.033	0.033
-1.00	-1.125	0.000	0.000	0.033
-0.75	-0.875	0.000	0.000	0.033
-0.50	-0.625	0.008	0.016	0.049
-0.25	-0.375	0.008	0.016	0.065
0.00	-0.125	0.029	0.059	0.124
0.25	0.125	0.115	0.234	0.359
0.50	0.375	0.230	0.469	0.827
0.75	0.625	0.668	1.361	2.188
1.00	0.875	3.070	6.255	8.443
1.25	1.125	4.515	9.199	17.641
1.50	1.375	6.875	14.007	31.648
1.75	1.625	7.856	16.005	47.653
2.00	1.875	8.607	17.535	65.188
2.25	2.125	7.101	14.467	79.655
2.50	2.375	5.271	10.739	90.394
2.75	2.625	3.388	6.902	97.296
3.00	2.875	0.984	2.005	99.301
3.25	3.125	0.199	0.405	99.707
3.50	3.375	0.090	0.183	99.890
3.75	3.625	0.044	0.090	99.980
4.00	3.875	0.010	0.020	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	1.7737	phi	(0.2925 mm)
Standard Dev:	0.5575	phi-units	(0.6795 mm)
Skewness:	-0.1043	dimensionless	
Kurtosis:	3.0680	dimensionless	
5th Moment:	-2.4160	dimensionless	
6th Moment:	24.5777	dimensionless	
RARD *	0.3143	dimensionless	
Median	1.6585	phi	(0.3168 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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