

Onshore Grab Sample

Sample: NA-03-SS
Sample Taken By: J. Ladner
Sample Collected On: 12/4/02
Splits? N/A

County: Nassau
Latitude: 30° 41' 54.0"
Longitude: 81° 25' 43.2"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 41.636 grams
Total Fines in Sample 0.240 grams
Total Percent Fines 0.57 %

Dry Sieving Summary

Total Sample Weight 41.390 grams
Total Digested Weight 39.547 grams
Total Carbonate Weight 1.843 grams
Total Silica % 95.55 %
Total Carbonate % 4.45 %
Carbonate/Silica Ratio 0.047

General Comments:

None

Description

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

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: NA-03-SS

Total Sample Mass: 41.390 grams

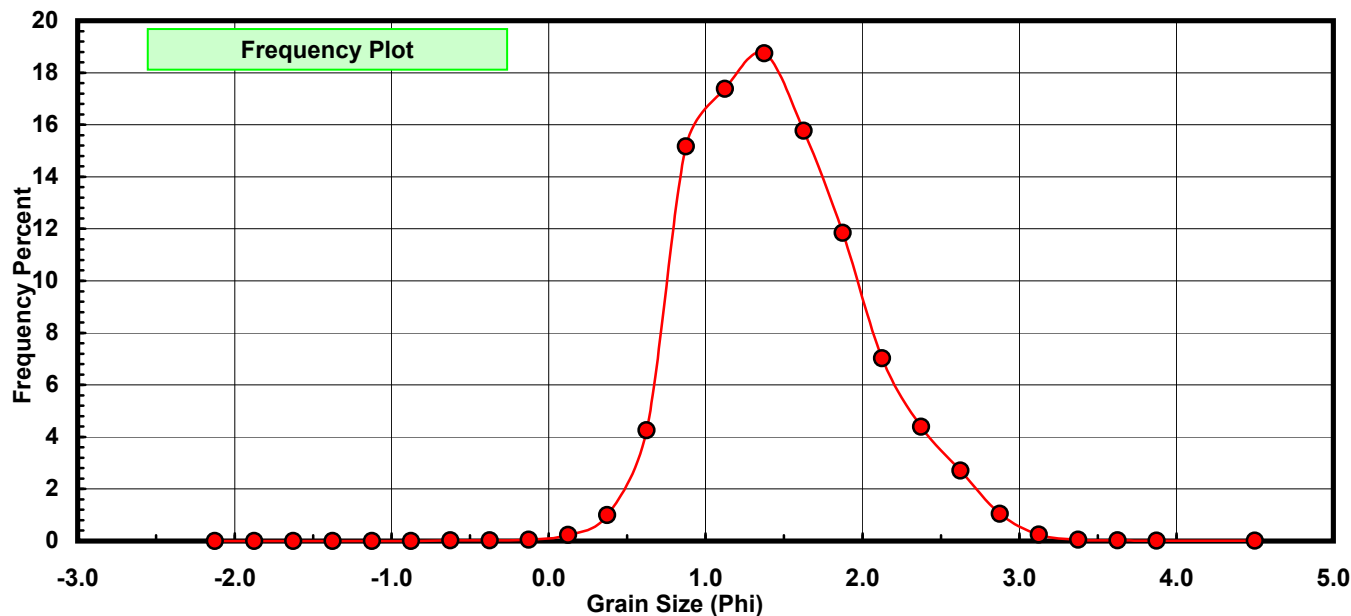
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.009	0.022	0.022
-0.25	-0.375	0.011	0.027	0.048
0.00	-0.125	0.020	0.048	0.097
0.25	0.125	0.097	0.234	0.331
0.50	0.375	0.410	0.991	1.322
0.75	0.625	1.764	4.262	5.583
1.00	0.875	6.278	15.168	20.751
1.25	1.125	7.192	17.376	38.128
1.50	1.375	7.761	18.751	56.878
1.75	1.625	6.529	15.774	72.653
2.00	1.875	4.903	11.846	84.499
2.25	2.125	2.907	7.023	91.522
2.50	2.375	1.818	4.392	95.914
2.75	2.625	1.119	2.704	98.618
3.00	2.875	0.433	1.046	99.664
3.25	3.125	0.100	0.242	99.906
3.50	3.375	0.022	0.053	99.959
3.75	3.625	0.008	0.019	99.978
4.00	3.875	0.005	0.012	99.990
5.00	4.500	0.004	0.010	100.000

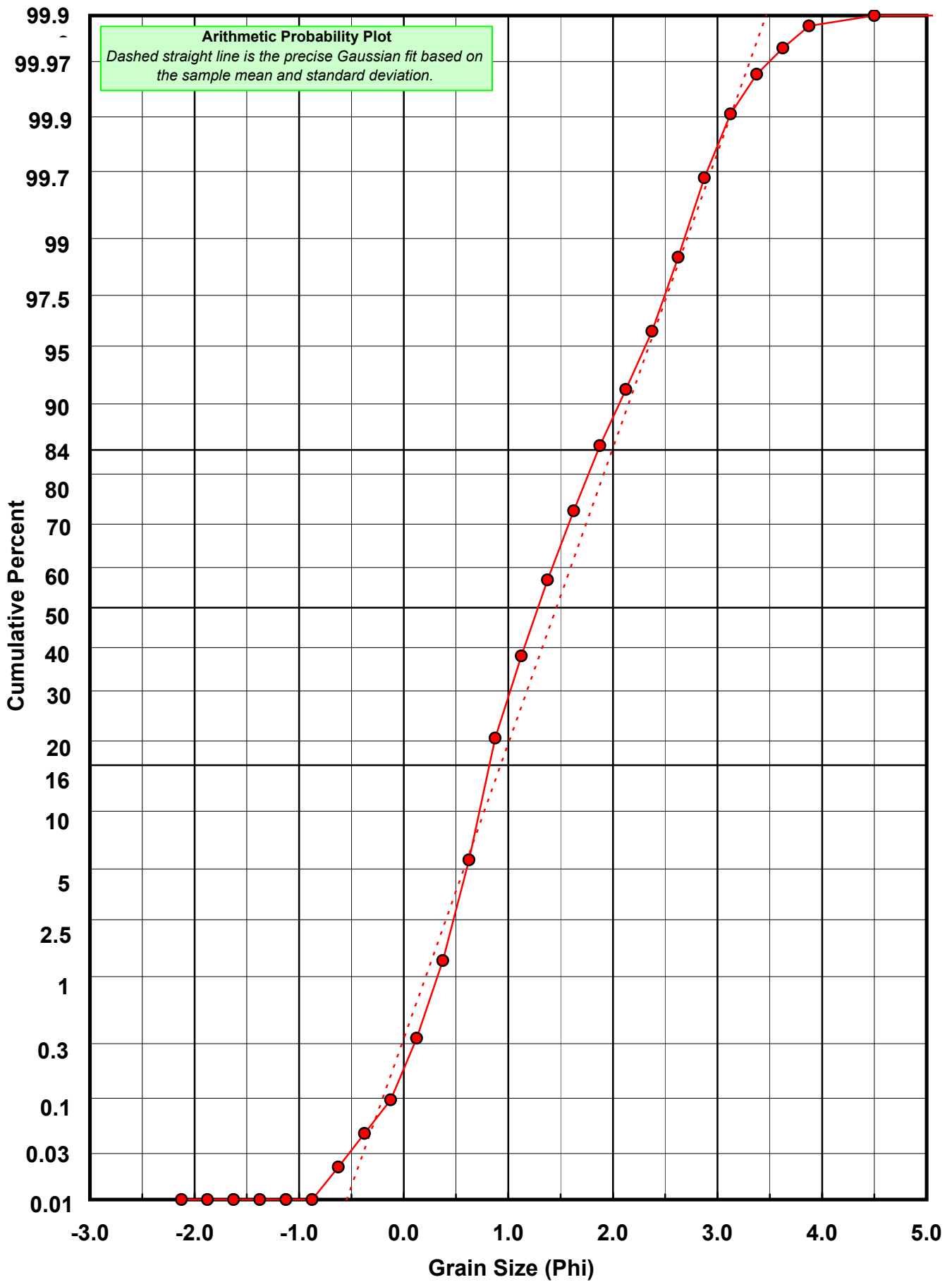
Statistical Results			
Mean:	1.4604	phi	(0.3634 mm)
Standard Dev:	0.5382	phi-units	(0.6886 mm)
Skewness:	0.4681	dimensionless	
Kurtosis:	3.1033	dimensionless	
5th Moment:	3.9089	dimensionless	
6th Moment:	19.6995	dimensionless	
RARD *	0.3686	dimensionless	
Median	1.2833	phi	(0.4109 mm)

* 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-03-SS

Total Carbonate Mass: 2.071 grams

% Carbonate: 4.5 %

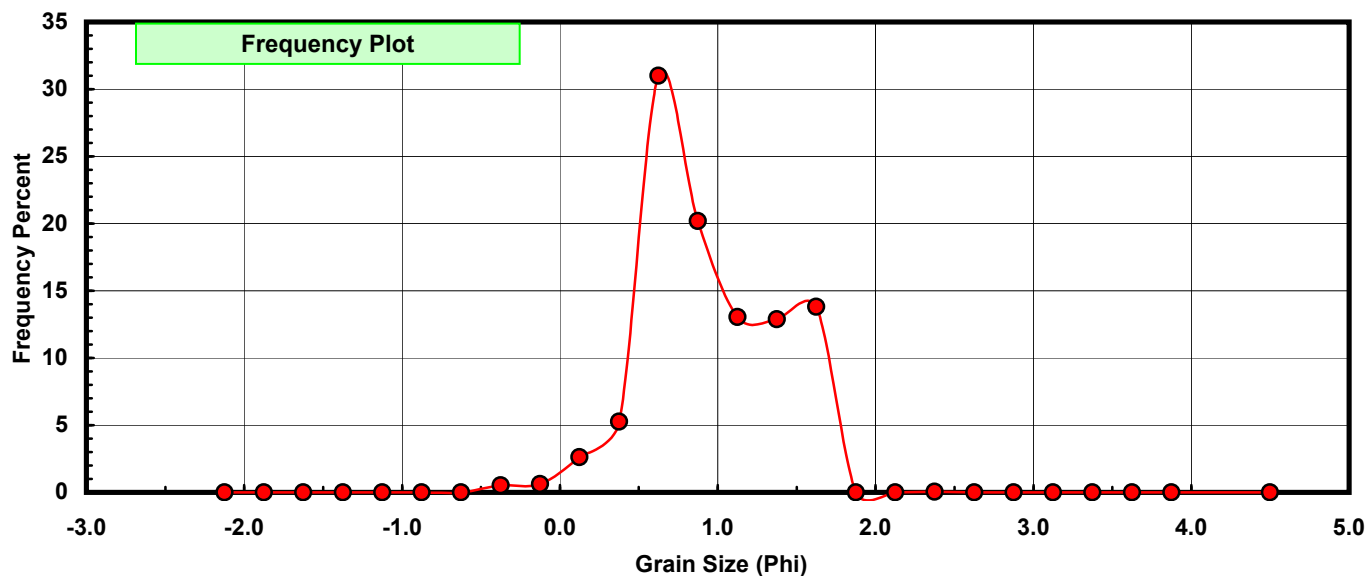
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.011	0.531	0.531
0.00	-0.125	0.013	0.628	1.159
0.25	0.125	0.054	2.607	3.766
0.50	0.375	0.109	5.263	9.029
0.75	0.625	0.642	31.000	40.029
1.00	0.875	0.418	20.183	60.212
1.25	1.125	0.270	13.037	73.250
1.50	1.375	0.267	12.892	86.142
1.75	1.625	0.286	13.810	99.952
2.00	1.875	0.000	0.000	99.952
2.25	2.125	0.000	0.000	99.952
2.50	2.375	0.001	0.048	100.000
2.75	2.625	0.000	0.000	100.000
3.00	2.875	0.000	0.000	100.000
3.25	3.125	0.000	0.000	100.000
3.50	3.375	0.000	0.000	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

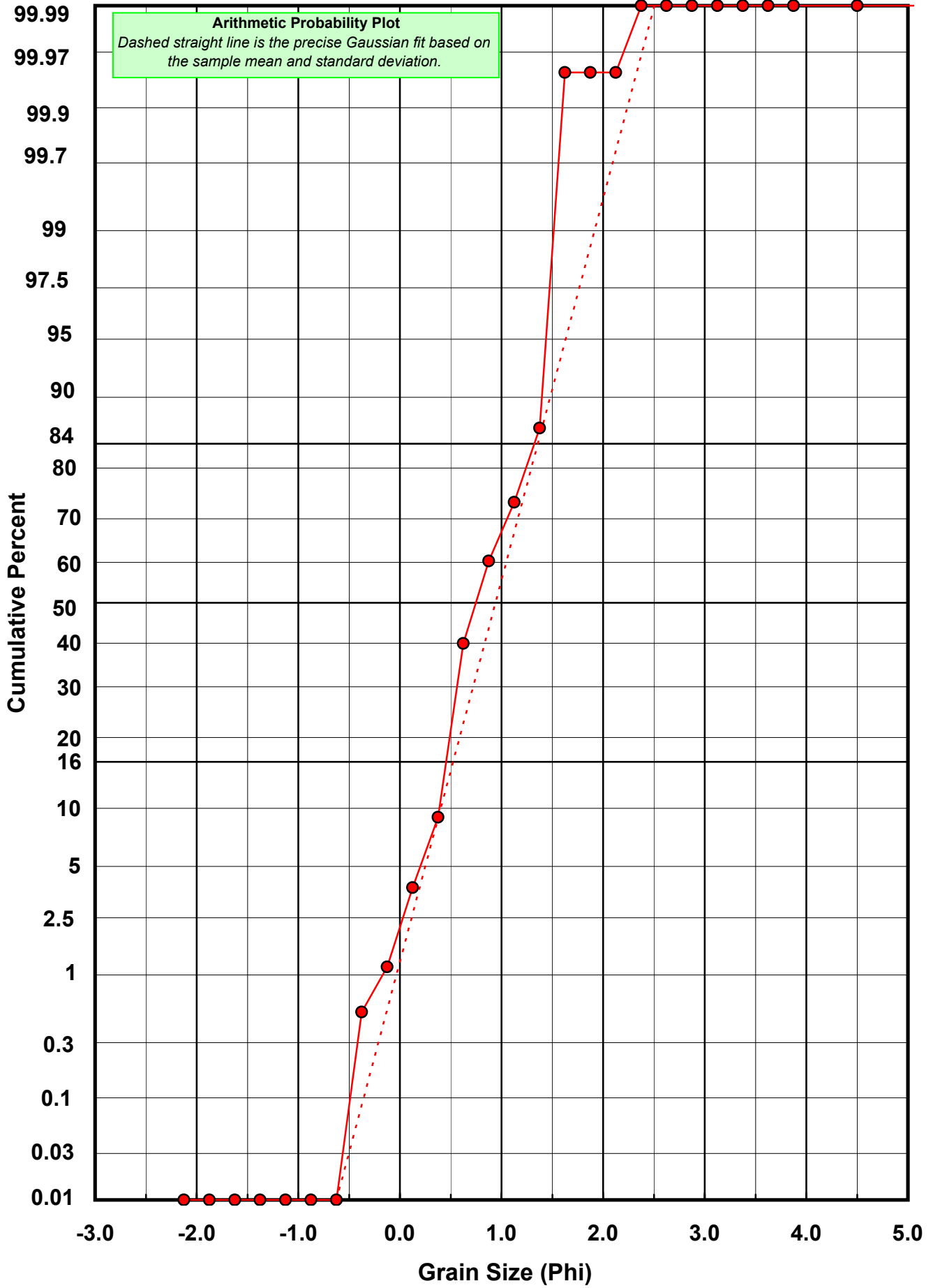
Statistical Results			
Mean:	0.9401	phi	(0.5212 mm)
Standard Dev:	0.4203	phi-units	(0.7472 mm)
Skewness:	0.0566	dimensionless	
Kurtosis:	2.5979	dimensionless	
5th Moment:	-1.3014	dimensionless	
6th Moment:	11.9016	dimensionless	
RARD *	0.4471	dimensionless	
Median	0.7485	phi	(0.5952 mm)

* 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-03-SS

Total Digested Mass: 39.540 grams

% Silica: 95.5 %

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	0.000	0.000	0.000
-0.50	-0.625	0.009	0.023	0.023
-0.25	-0.375	0.000	0.000	0.023
0.00	-0.125	0.007	0.018	0.040
0.25	0.125	0.043	0.109	0.149
0.50	0.375	0.301	0.761	0.910
0.75	0.625	1.122	2.838	3.748
1.00	0.875	5.860	14.820	18.569
1.25	1.125	6.922	17.506	36.075
1.50	1.375	7.494	18.953	55.028
1.75	1.625	6.243	15.789	70.817
2.00	1.875	4.918	12.438	83.255
2.25	2.125	2.949	7.458	90.713
2.50	2.375	1.817	4.595	95.309
2.75	2.625	1.223	3.093	98.402
3.00	2.875	0.481	1.216	99.618
3.25	3.125	0.101	0.255	99.874
3.50	3.375	0.032	0.081	99.954
3.75	3.625	0.013	0.033	99.987
4.00	3.875	0.005	0.013	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	1.4938	phi	(0.3551 mm)
Standard Dev:	0.5346	phi-units	(0.6904 mm)
Skewness:	0.5136	dimensionless	
Kurtosis:	3.0016	dimensionless	
5th Moment:	3.8804	dimensionless	
6th Moment:	16.7295	dimensionless	
RARD *	0.3579	dimensionless	
Median	1.3087	phi	(0.4037 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)

