

**Onshore Grab Sample**

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

**County:** Nassau  
**Latitude:** 30° 34' 49.3"  
**Longitude:** 81° 26' 33.7"  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	46.846 grams
Total Fines in Sample	0.193 grams
Total Percent Fines	0.41 %

**Dry Sieving Summary**

Total Sample Weight	46.694 grams
Total Digested Weight	44.671 grams
Total Carbonate Weight	2.023 grams
Total Silica %	95.67 %
Total Carbonate %	4.33 %
Carbonate/Silica Ratio	0.045

**General Comments:**

None

**Description**

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

# Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: NA-10-SS

Total Sample Mass: 46.694 grams

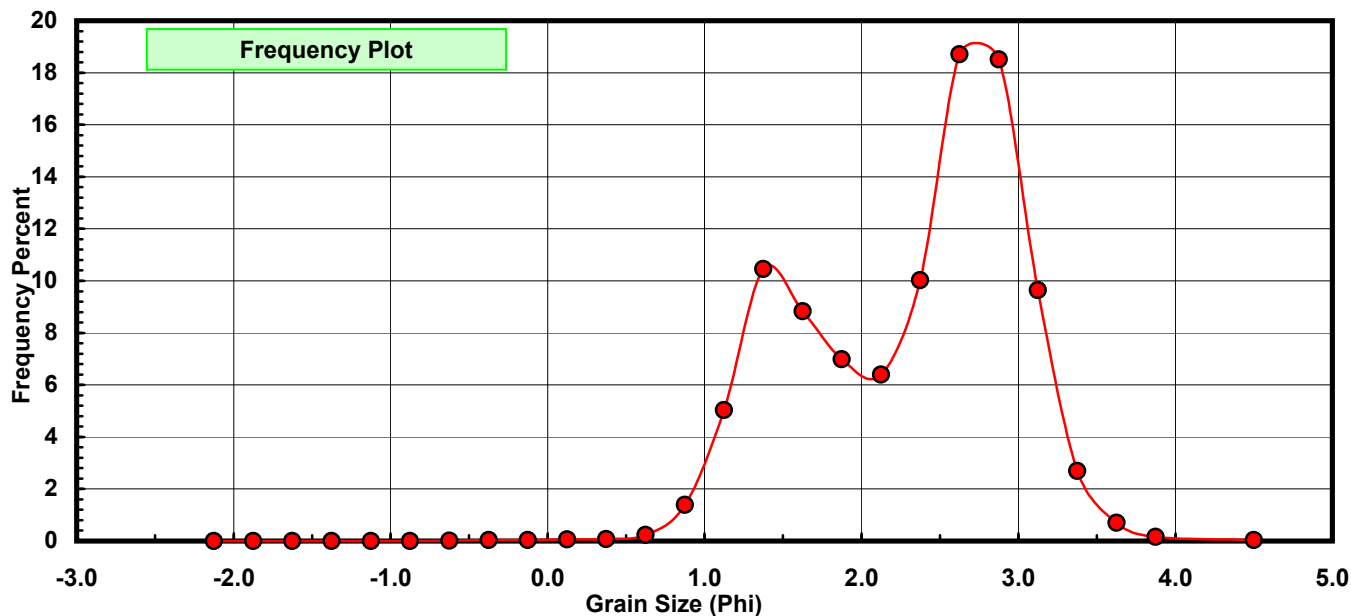
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.003	0.006	0.006
-0.25	-0.375	0.017	0.036	0.043
0.00	-0.125	0.015	0.032	0.075
0.25	0.125	0.029	0.062	0.137
0.50	0.375	0.036	0.077	0.214
0.75	0.625	0.110	0.236	0.450
1.00	0.875	0.651	1.394	1.844
1.25	1.125	2.349	5.031	6.875
1.50	1.375	4.881	10.453	17.328
1.75	1.625	4.121	8.826	26.153
2.00	1.875	3.263	6.988	33.141
2.25	2.125	2.989	6.401	39.543
2.50	2.375	4.680	10.023	49.565
2.75	2.625	8.734	18.705	68.270
3.00	2.875	8.643	18.510	86.780
3.25	3.125	4.504	9.646	96.426
3.50	3.375	1.256	2.690	99.116
3.75	3.625	0.326	0.698	99.814
4.00	3.875	0.072	0.154	99.968
5.00	4.500	0.015	0.032	100.000

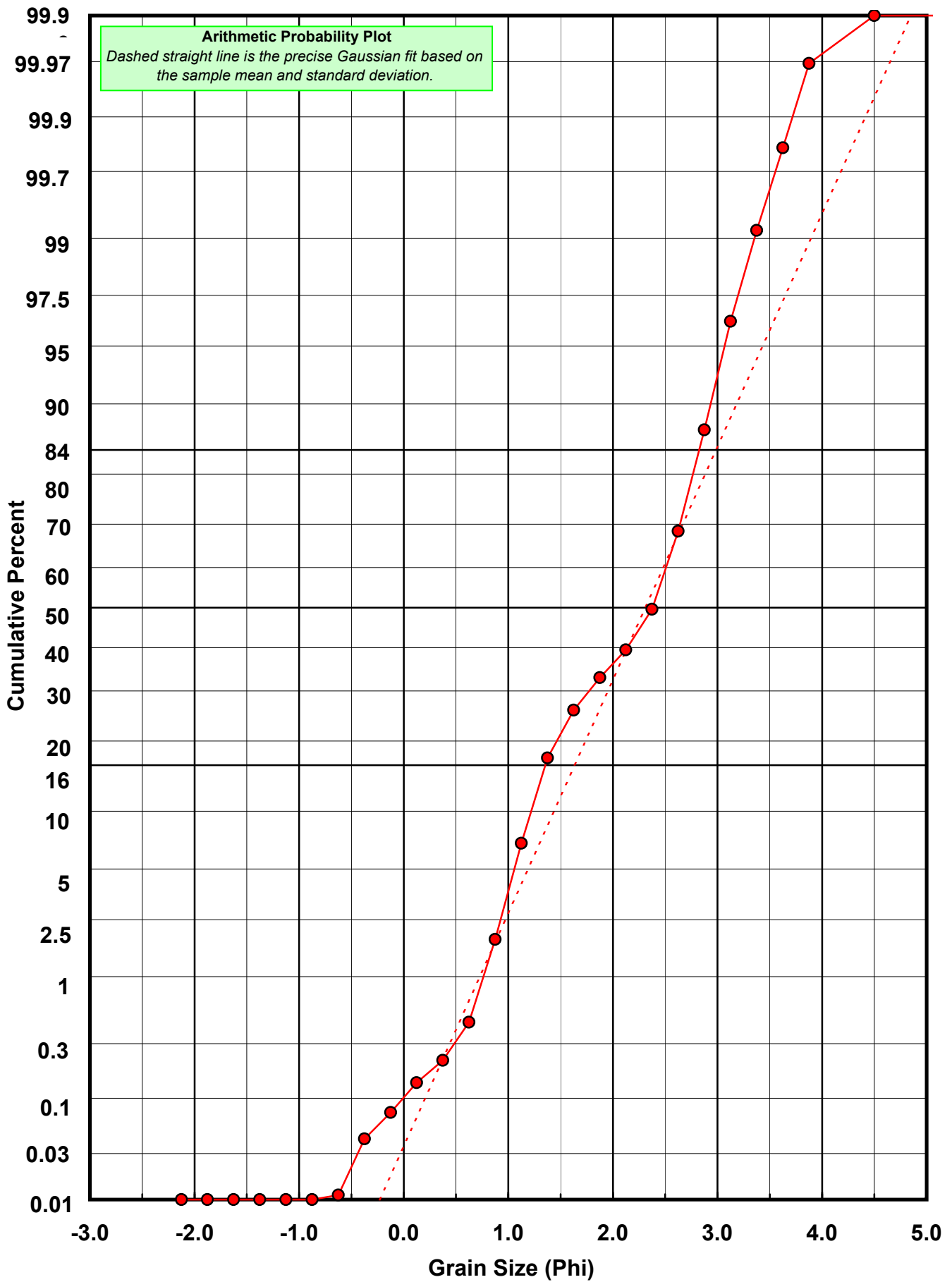
Statistical Results			
Mean:	2.3108	phi	(0.2016 mm)
Standard Dev:	0.6820	phi-units	(0.6233 mm)
Skewness:	-0.4297	dimensionless	
Kurtosis:	2.2428	dimensionless	
5th Moment:	-2.2747	dimensionless	
6th Moment:	9.3015	dimensionless	
RARD *	0.2952	dimensionless	
Median	2.3808	phi	(0.192 mm)

\* 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-SS

Total Carbonate Mass: 2.091 grams

% Carbonate: 4.3 %

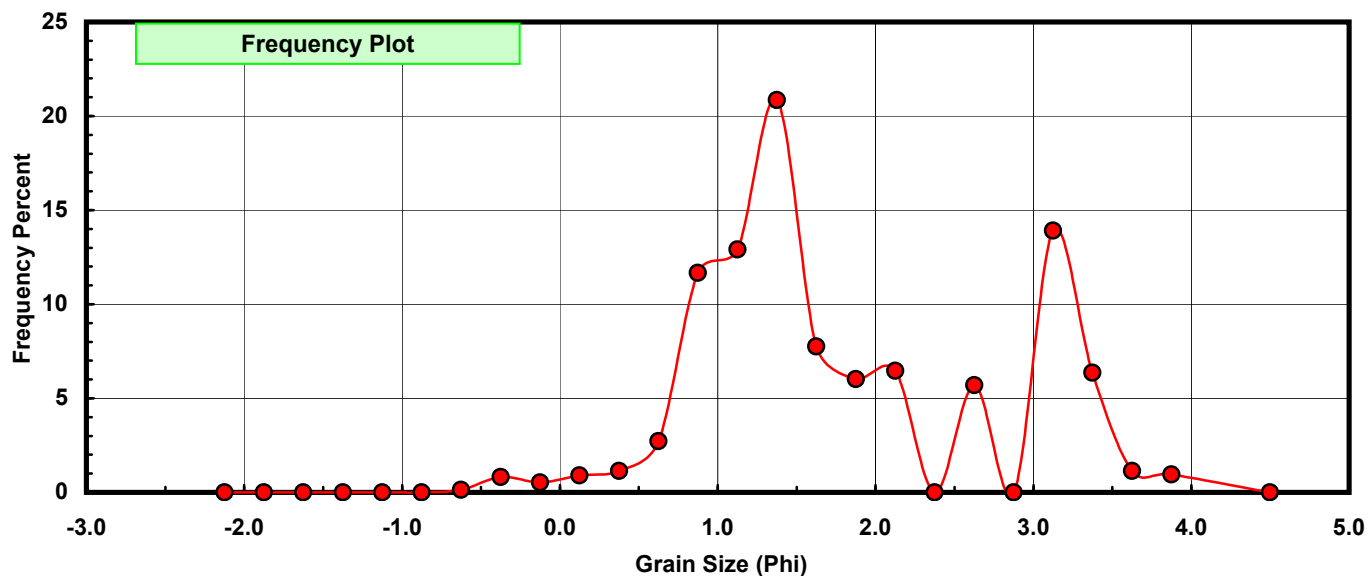
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.003	0.143	0.143
-0.25	-0.375	0.017	0.813	0.956
0.00	-0.125	0.011	0.526	1.483
0.25	0.125	0.019	0.909	2.391
0.50	0.375	0.024	1.148	3.539
0.75	0.625	0.057	2.726	6.265
1.00	0.875	0.244	11.669	17.934
1.25	1.125	0.270	12.912	30.846
1.50	1.375	0.436	20.851	51.698
1.75	1.625	0.162	7.747	59.445
2.00	1.875	0.126	6.026	65.471
2.25	2.125	0.135	6.456	71.927
2.50	2.375	0.000	0.000	71.927
2.75	2.625	0.119	5.691	77.618
3.00	2.875	0.000	0.000	77.618
3.25	3.125	0.291	13.917	91.535
3.50	3.375	0.133	6.361	97.896
3.75	3.625	0.024	1.148	99.044
4.00	3.875	0.020	0.956	100.000
5.00	4.500	0.000	0.000	100.000

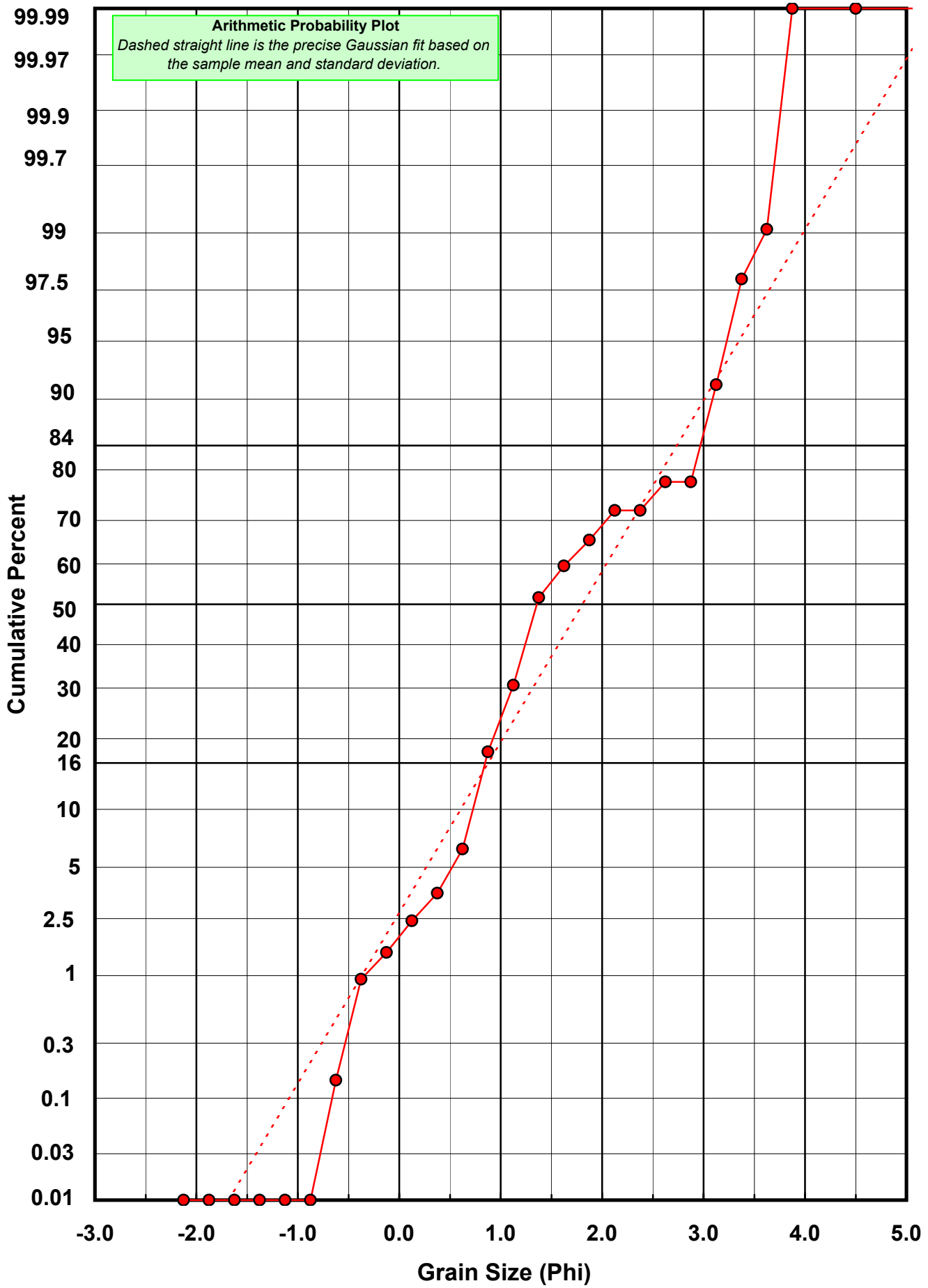
Statistical Results			
Mean:	1.8057	phi	(0.2861 mm)
Standard Dev:	0.9375	phi-units	(0.5221 mm)
Skewness:	0.4084	dimensionless	
Kurtosis:	2.2499	dimensionless	
5th Moment:	1.0417	dimensionless	
6th Moment:	7.0376	dimensionless	
RARD *	0.5192	dimensionless	
Median	1.3546	phi	(0.391 mm)

\* 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-SS

Total Digested Mass: 44.658 grams

% Silica: 95.7 %

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	0.004	0.009	0.009
0.25	0.125	0.010	0.022	0.031
0.50	0.375	0.012	0.027	0.058
0.75	0.625	0.053	0.119	0.177
1.00	0.875	0.407	0.911	1.088
1.25	1.125	2.079	4.655	5.744
1.50	1.375	4.445	9.953	15.697
1.75	1.625	3.959	8.865	24.562
2.00	1.875	3.137	7.024	31.587
2.25	2.125	2.854	6.391	37.978
2.50	2.375	4.700	10.524	48.502
2.75	2.625	8.615	19.291	67.793
3.00	2.875	8.693	19.466	87.259
3.25	3.125	4.213	9.434	96.693
3.50	3.375	1.123	2.515	99.207
3.75	3.625	0.302	0.676	99.884
4.00	3.875	0.052	0.116	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	2.3343	phi	(0.1983 mm)
Standard Dev:	0.6563	phi-units	(0.6345 mm)
Skewness:	-0.4342	dimensionless	
Kurtosis:	2.1135	dimensionless	
5th Moment:	-1.8512	dimensionless	
6th Moment:	6.6652	dimensionless	
RARD *	0.2811	dimensionless	
Median	2.3944	phi	(0.1902 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)

