

Onshore Grab Sample

Sample: NA-05-SS
Sample Taken By: J. Ladner
Sample Collected On: 12/4/02
Splits? N/A

County: Nassau
Latitude: 30° 39' 9.5"
Longitude: 81° 25' 59.4"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	46.901 grams
Total Fines in Sample	0.341 grams
Total Percent Fines	0.72 %

Dry Sieving Summary

Total Sample Weight	46.578 grams
Total Digested Weight	44.305 grams
Total Carbonate Weight	2.273 grams
Total Silica %	95.12 %
Total Carbonate %	4.88 %
Carbonate/Silica Ratio	0.051

General Comments:

None

Description

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

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: NA-05-SS

Total Sample Mass: 46.578 grams

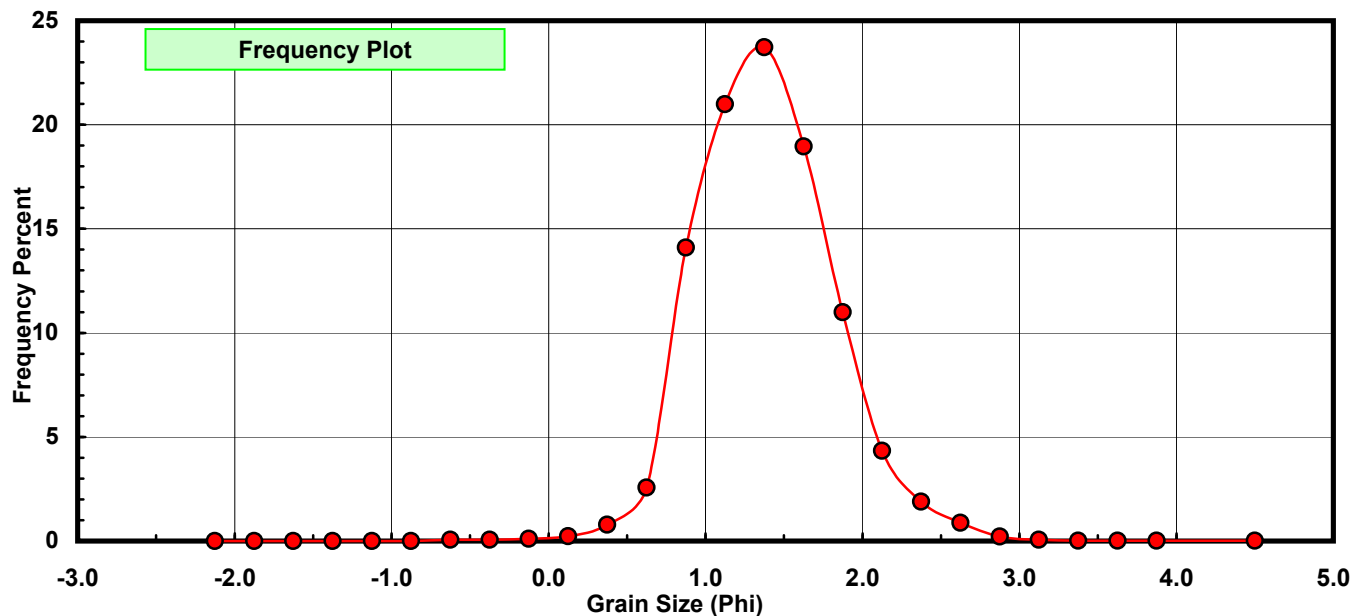
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.029	0.062	0.062
-0.25	-0.375	0.028	0.060	0.122
0.00	-0.125	0.047	0.101	0.223
0.25	0.125	0.111	0.238	0.462
0.50	0.375	0.362	0.777	1.239
0.75	0.625	1.196	2.568	3.807
1.00	0.875	6.565	14.095	17.901
1.25	1.125	9.773	20.982	38.883
1.50	1.375	11.052	23.728	62.611
1.75	1.625	8.828	18.953	81.564
2.00	1.875	5.118	10.988	92.552
2.25	2.125	2.018	4.333	96.885
2.50	2.375	0.880	1.889	98.774
2.75	2.625	0.411	0.882	99.656
3.00	2.875	0.103	0.221	99.878
3.25	3.125	0.032	0.069	99.946
3.50	3.375	0.010	0.021	99.968
3.75	3.625	0.006	0.013	99.981
4.00	3.875	0.005	0.011	99.991
5.00	4.500	0.004	0.009	100.000

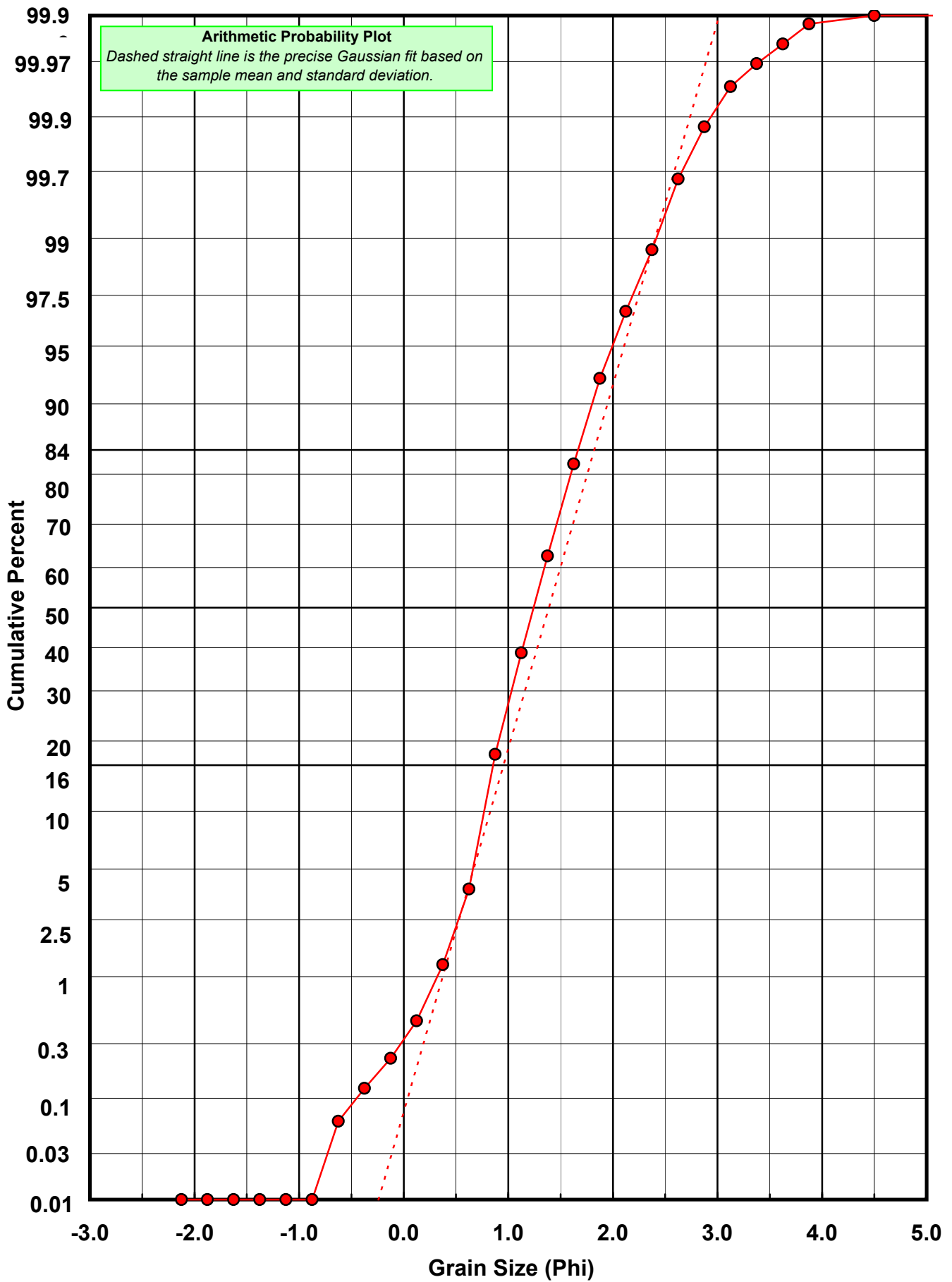
Statistical Results			
Mean:	1.3888	phi	(0.3819 mm)
Standard Dev:	0.4373	phi-units	(0.7385 mm)
Skewness:	0.3205	dimensionless	
Kurtosis:	4.1593	dimensionless	
5th Moment:	4.1297	dimensionless	
6th Moment:	48.2083	dimensionless	
RARD *	0.3149	dimensionless	
Median	1.2421	phi	(0.4227 mm)

* 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-05-SS

Total Carbonate Mass: 2.521 grams

% Carbonate: 4.9 %

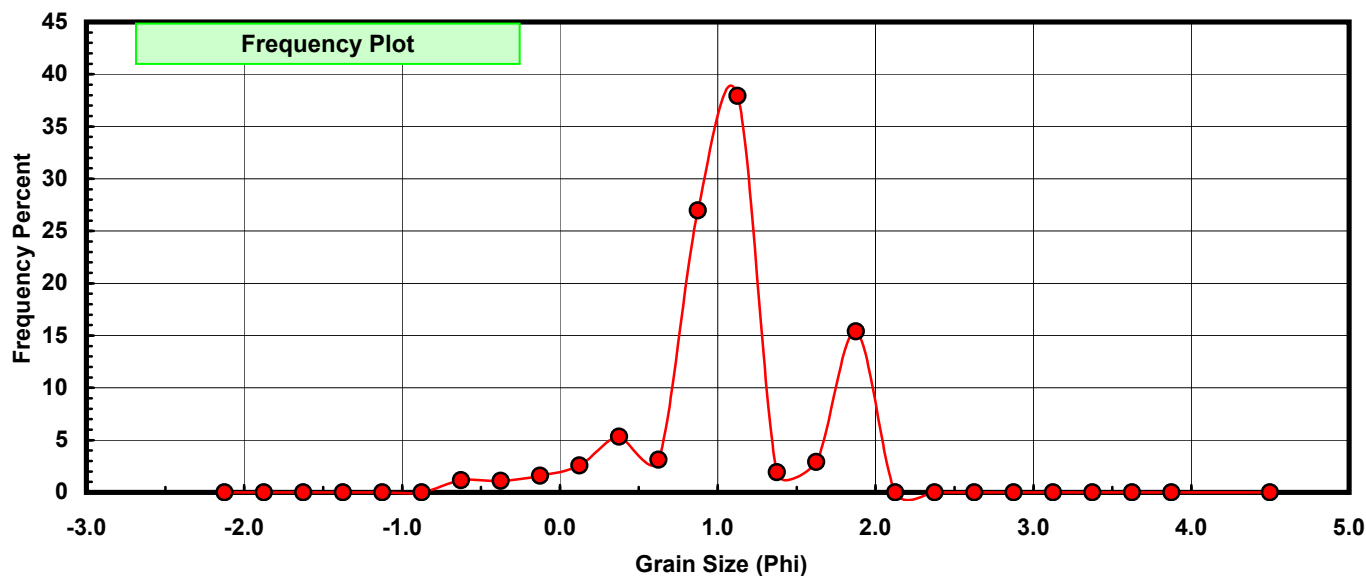
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.029	1.150	1.150
-0.25	-0.375	0.028	1.111	2.261
0.00	-0.125	0.040	1.587	3.848
0.25	0.125	0.065	2.578	6.426
0.50	0.375	0.134	5.315	11.741
0.75	0.625	0.079	3.134	14.875
1.00	0.875	0.680	26.973	41.848
1.25	1.125	0.956	37.921	79.770
1.50	1.375	0.049	1.944	81.714
1.75	1.625	0.073	2.896	84.609
2.00	1.875	0.388	15.391	100.000
2.25	2.125	0.000	0.000	100.000
2.50	2.375	0.000	0.000	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

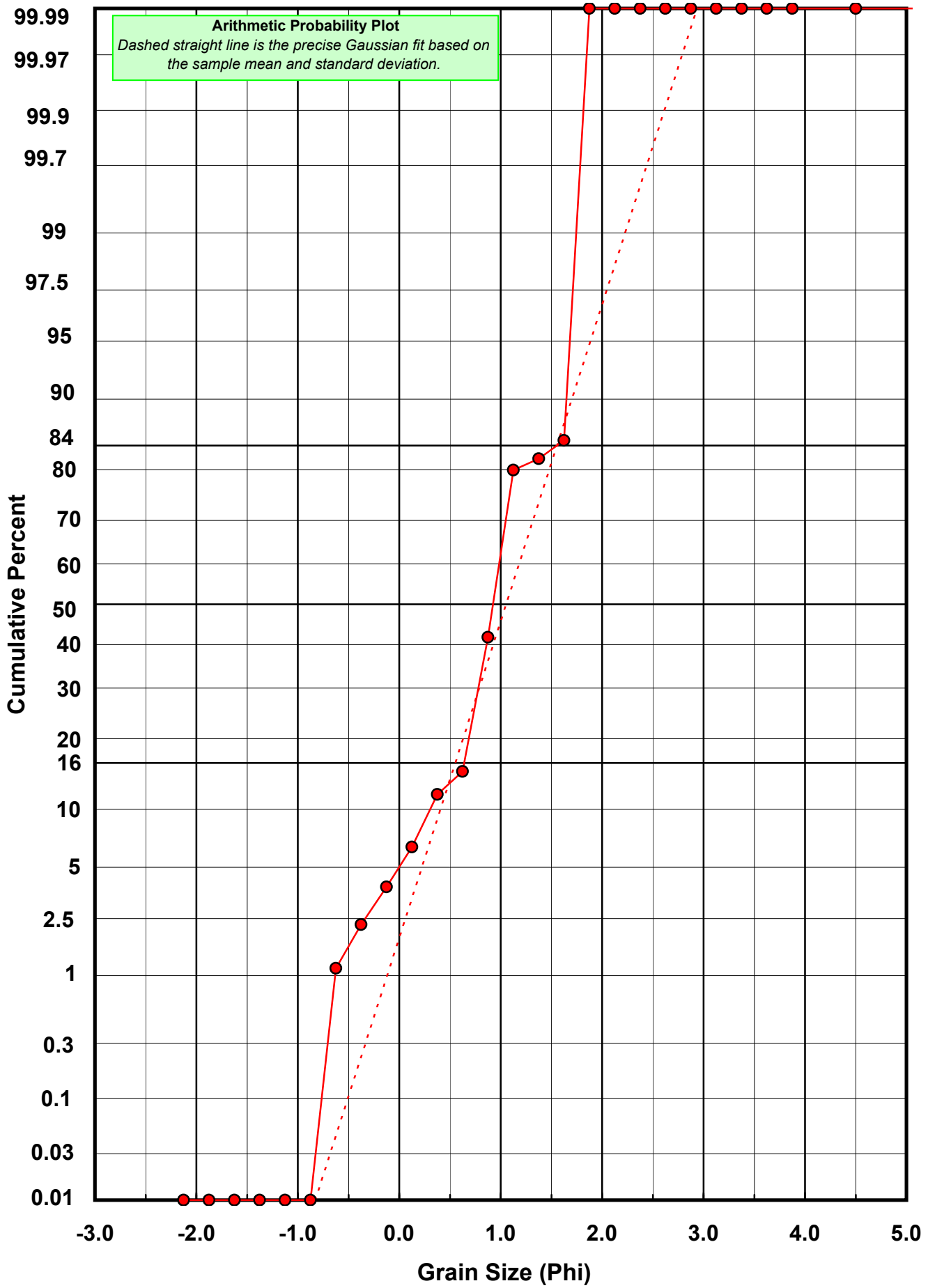
Statistical Results			
Mean:	1.0544	phi	(0.4815 mm)
Standard Dev:	0.5054	phi-units	(0.7045 mm)
Skewness:	-0.4892	dimensionless	
Kurtosis:	4.1928	dimensionless	
5th Moment:	-6.7672	dimensionless	
6th Moment:	27.9373	dimensionless	
RARD *	0.4793	dimensionless	
Median	0.9287	phi	(0.5253 mm)

* 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-05-SS

Total Digested Mass: 44.291 grams

% Silica: 95.1 %

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	0.007	0.016	0.016
0.25	0.125	0.046	0.104	0.120
0.50	0.375	0.228	0.515	0.634
0.75	0.625	1.117	2.522	3.156
1.00	0.875	5.885	13.287	16.444
1.25	1.125	8.817	19.907	36.351
1.50	1.375	11.003	24.843	61.193
1.75	1.625	8.755	19.767	80.960
2.00	1.875	4.730	10.679	91.639
2.25	2.125	2.055	4.640	96.279
2.50	2.375	0.927	2.093	98.372
2.75	2.625	0.452	1.021	99.393
3.00	2.875	0.164	0.370	99.763
3.25	3.125	0.053	0.120	99.883
3.50	3.375	0.025	0.056	99.939
3.75	3.625	0.016	0.036	99.975
4.00	3.875	0.011	0.025	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	1.4147	phi	(0.3751 mm)
Standard Dev:	0.4351	phi-units	(0.7396 mm)
Skewness:	0.5976	dimensionless	
Kurtosis:	4.0552	dimensionless	
5th Moment:	8.4345	dimensionless	
6th Moment:	41.2249	dimensionless	
RARD *	0.3076	dimensionless	
Median	1.2624	phi	(0.4169 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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