

Onshore Grab Sample

Sample: SA-35-BB
Sample Taken By: D. Phelps
Sample Collected On: 12/16/09
Splits? N/A

County: Sarasota
Latitude: 27° 00' 9.8"
Longitude: 82° 24' 30.7"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	71.564 grams
Total Fines in Sample	0.148 grams
Total Percent Fines	0.21 %

Dry Sieving Summary

Total Sample Weight	71.719 grams
Total Digested Weight	53.337 grams
Total Carbonate Weight	18.382 grams
Total Silica %	74.37 %
Total Carbonate %	25.63 %
Carbonate/Silica Ratio	0.345

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: SA-35-BB

Total Sample Mass: 71.719 grams

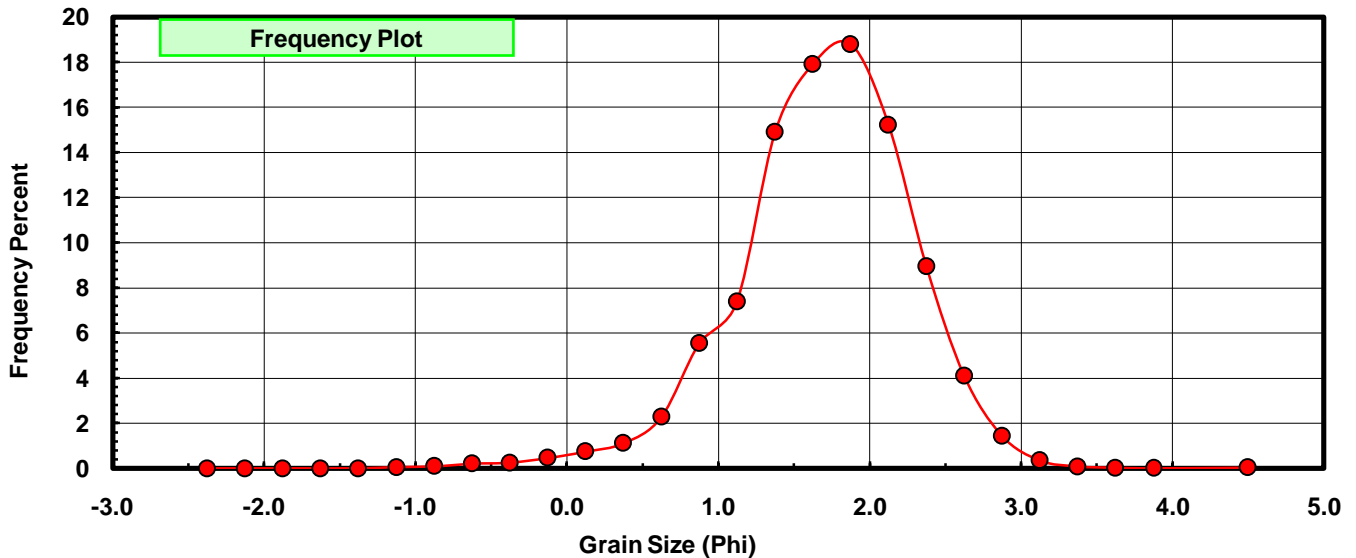
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.032	0.045	0.045
-0.75	-0.875	0.063	0.088	0.132
-0.50	-0.625	0.149	0.208	0.340
-0.25	-0.375	0.177	0.247	0.587
0.00	-0.125	0.329	0.459	1.046
0.25	0.125	0.537	0.749	1.795
0.50	0.375	0.803	1.120	2.914
0.75	0.625	1.636	2.281	5.195
1.00	0.875	3.976	5.544	10.739
1.25	1.125	5.291	7.377	18.117
1.50	1.375	10.695	14.912	33.029
1.75	1.625	12.852	17.920	50.949
2.00	1.875	13.481	18.797	69.746
2.25	2.125	10.921	15.227	84.973
2.50	2.375	6.428	8.963	93.936
2.75	2.625	2.948	4.110	98.047
3.00	2.875	1.037	1.446	99.492
3.25	3.125	0.246	0.343	99.835
3.50	3.375	0.060	0.084	99.919
3.75	3.625	0.019	0.026	99.946
4.00	3.875	0.011	0.015	99.961
5.00	4.50	0.028	0.039	100.000

Statistical Results			
Mean:	1.6983	phi	(0.3082 mm)
Standard Dev:	0.5814	phi-units	(0.6683 mm)
Skewness:	-0.5740	dimensionless	
Kurtosis:	4.4672	dimensionless	
5th Moment:	-7.5420	dimensionless	
6th Moment:	45.7185	dimensionless	
RARD *	0.3423	dimensionless	
Median	1.6118	phi	(0.3272 mm)

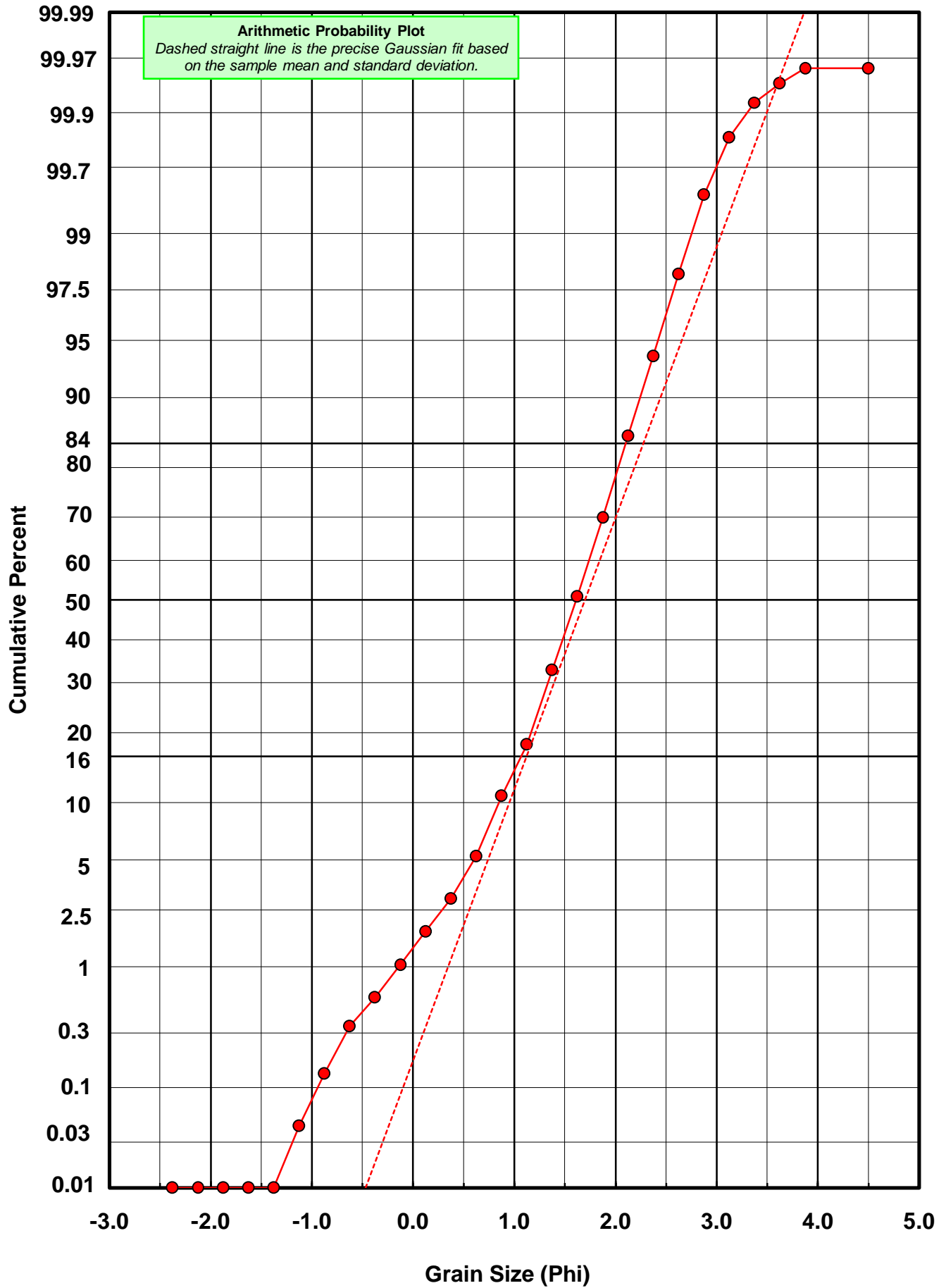
* RARD = reciprocal absolute relative dispersion (see below)

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 Basille et al. 2002	
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)



SA-35-BB



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: SA-35-BB

Total Carbonate Mass: 18.565 grams

% Carbonate: 25.6 %

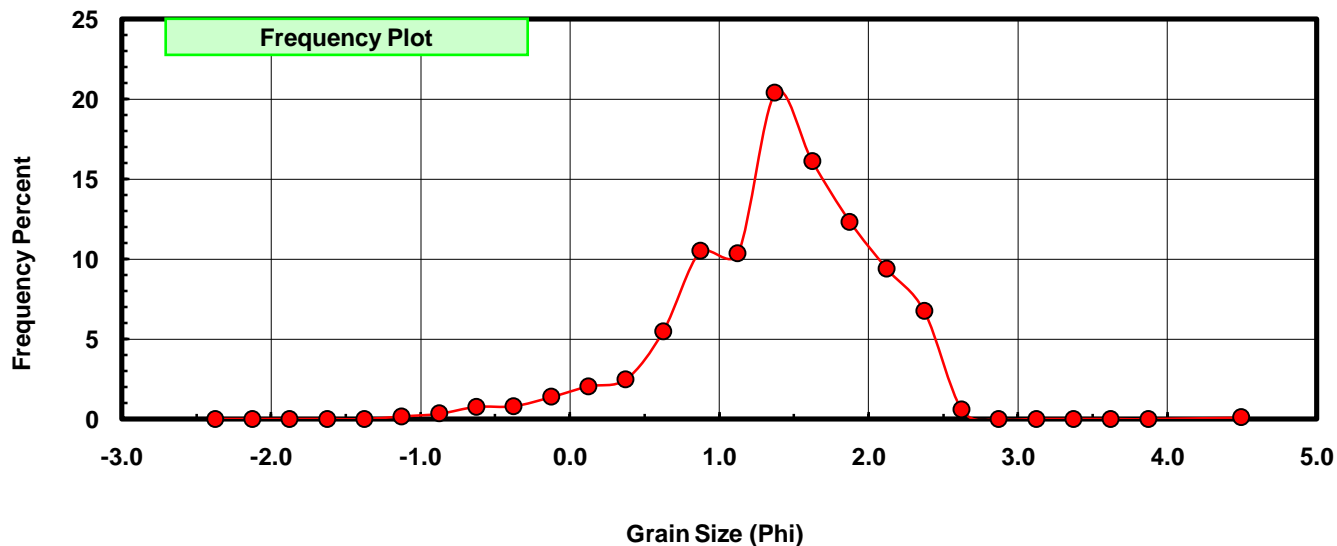
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.032	0.172	0.172
-0.75	-0.875	0.063	0.339	0.512
-0.50	-0.625	0.142	0.765	1.277
-0.25	-0.375	0.150	0.808	2.085
0.00	-0.125	0.259	1.395	3.480
0.25	0.125	0.379	2.041	5.521
0.50	0.375	0.463	2.494	8.015
0.75	0.625	1.018	5.483	13.499
1.00	0.875	1.949	10.498	23.997
1.25	1.125	1.923	10.358	34.355
1.50	1.375	3.783	20.377	54.732
1.75	1.625	2.989	16.100	70.832
2.00	1.875	2.287	12.319	83.151
2.25	2.125	1.743	9.389	92.540
2.50	2.375	1.254	6.755	99.294
2.75	2.625	0.109	0.587	99.881
3.00	2.875	0.000	0.000	99.881
3.25	3.125	0.000	0.000	99.881
3.50	3.375	0.000	0.000	99.881
3.75	3.625	0.000	0.000	99.881
4.00	3.875	0.000	0.000	99.881
5.00	4.500	0.022	0.119	100.000

Statistical Results			
Mean:	1.3936	phi	(0.3806 mm)
Standard Dev:	0.6636	phi-units	(0.6313 mm)
Skewness:	-0.6161	dimensionless	
Kurtosis:	4.1787	dimensionless	
5th Moment:	-4.5707	dimensionless	
6th Moment:	38.6765	dimensionless	
RARD *	0.4762	dimensionless	
Median	1.3169	phi	(0.4014 mm)

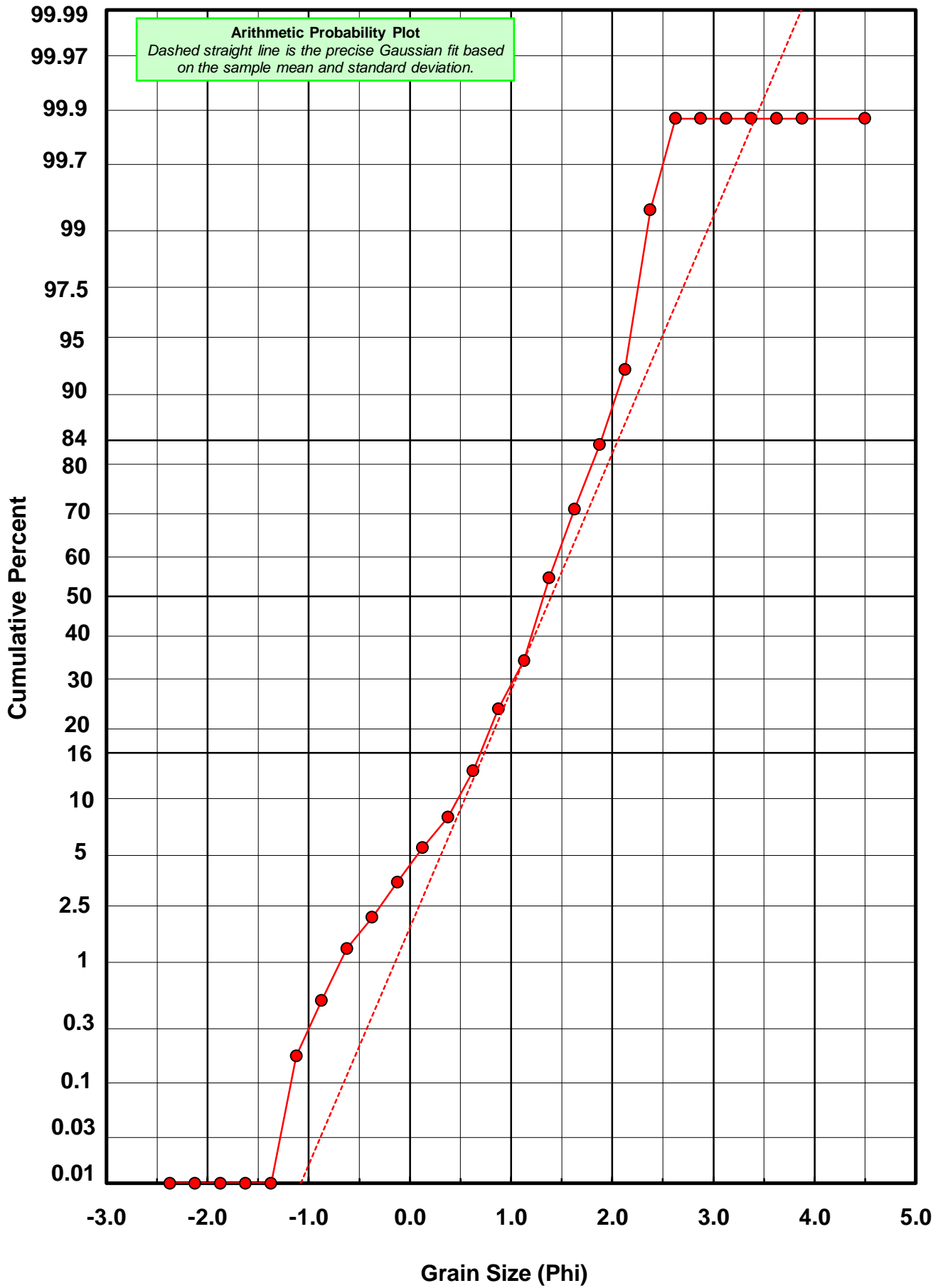
* RARD = reciprocal absolute relative dispersion (see below)

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 Basille et al. 2002	
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)



SA-35-BB



Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: SA-35-BB

Total Digested Mass: 53.337 grams

% Silica: 74.4 %

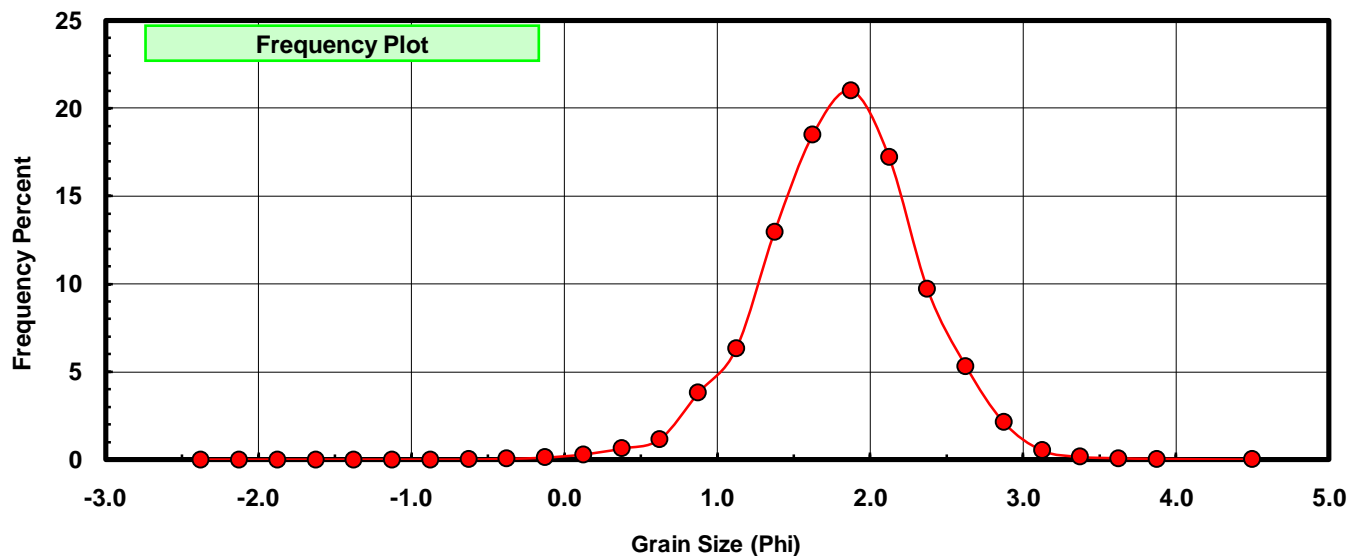
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.007	0.013	0.013
-0.25	-0.375	0.027	0.051	0.064
0.00	-0.125	0.070	0.131	0.195
0.25	0.125	0.158	0.296	0.491
0.50	0.375	0.340	0.637	1.129
0.75	0.625	0.618	1.159	2.287
1.00	0.875	2.027	3.800	6.088
1.25	1.125	3.368	6.315	12.402
1.50	1.375	6.912	12.959	25.361
1.75	1.625	9.863	18.492	43.853
2.00	1.875	11.194	20.987	64.841
2.25	2.125	9.178	17.208	82.048
2.50	2.375	5.174	9.701	91.749
2.75	2.625	2.839	5.323	97.071
3.00	2.875	1.138	2.134	99.205
3.25	3.125	0.279	0.523	99.728
3.50	3.375	0.085	0.159	99.888
3.75	3.625	0.037	0.069	99.957
4.00	3.875	0.017	0.032	99.989
5.00	4.500	0.006	0.011	100.000

Statistical Results			
Mean:	1.8091	phi	(0.2854 mm)
Standard Dev:	0.5202	phi-units	(0.6973 mm)
Skewness:	-0.1942	dimensionless	
Kurtosis:	3.6601	dimensionless	
5th Moment:	-2.2549	dimensionless	
6th Moment:	27.3620	dimensionless	
RARD *	0.2875	dimensionless	
Median	1.6982	phi	(0.3082 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 Basille et al. 2002	
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)



SA-35-BB

