

**Onshore Grab Sample**

**Sample:** SR-01-SS  
**Sample Taken By:** J. Ladner  
**Sample Collected On:** 9/14/06  
**Splits?** Yes

**County:** Santa Rosa  
**Latitude:** 30° 22' 55.54"  
**Longitude:** 86° 51' 1.34"  
**Datum:** NAD 83  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 68.957 grams  
Total Fines in Sample 0.765 grams  
Total Percent Fines 1.10 %

**Dry Sieving Summary**

Total Sample Weight 68.040 grams  
Total Digested Weight 67.861 grams  
Total Carbonate Weight 0.179 grams  
Total Silica % 99.74 %  
Total Carbonate % 0.26 %  
Carbonate/Silica Ratio 0.003

**General Comments:**

Original Weight (with Beaker): 320.308

**Description**

Worked By: M. Lachance

# Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: SR-01-SS

Total Sample Mass: 68.040 grams

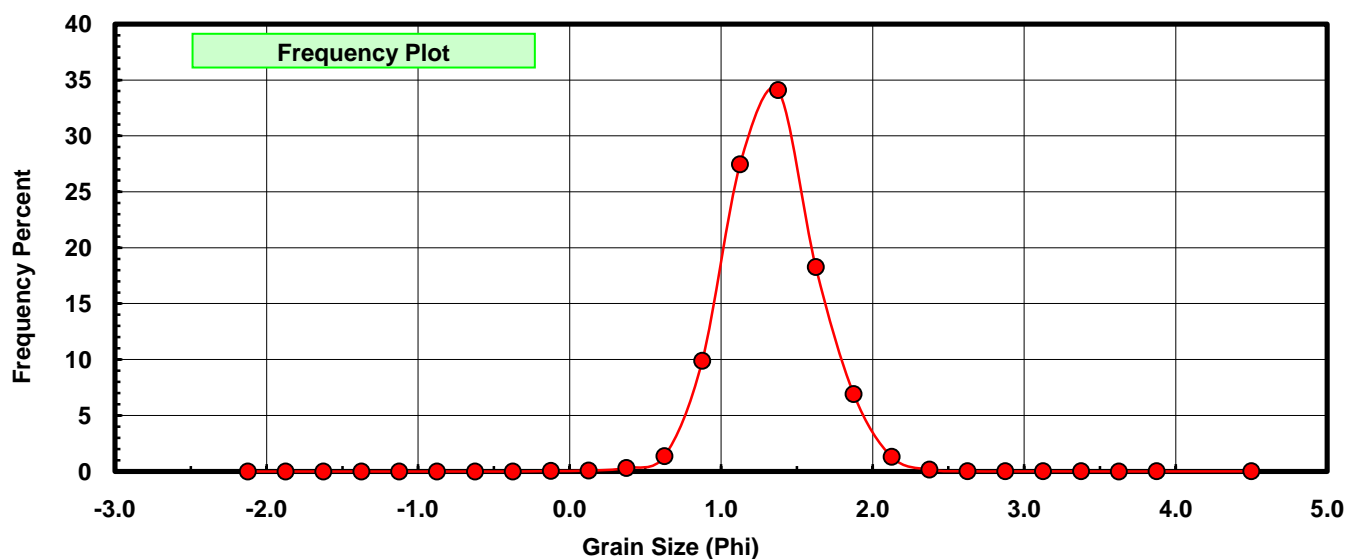
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.024	0.035	0.035
0.25	0.125	0.052	0.076	0.112
0.50	0.375	0.217	0.319	0.431
0.75	0.625	0.927	1.362	1.793
1.00	0.875	6.734	9.897	11.690
1.25	1.125	18.687	27.465	39.155
1.50	1.375	23.198	34.095	73.250
1.75	1.625	12.436	18.277	91.527
2.00	1.875	4.714	6.928	98.455
2.25	2.125	0.898	1.320	99.775
2.50	2.375	0.110	0.162	99.937
2.75	2.625	0.013	0.019	99.956
3.00	2.875	0.006	0.009	99.965
3.25	3.125	0.007	0.010	99.975
3.50	3.375	0.005	0.007	99.982
3.75	3.625	0.002	0.003	99.985
4.00	3.875	0.003	0.004	99.990
5.00	4.50	0.007	0.010	100.000

Statistical Results			
Mean:	1.3350	phi	(0.3964 mm)
Standard Dev:	0.3080	phi-units	(0.8078 mm)
Skewness:	0.2664	dimensionless	
Kurtosis:	5.0655	dimensionless	
5th Moment:	15.8079	dimensionless	
6th Moment:	176.3396	dimensionless	
RARD *	0.2307	dimensionless	
Median	1.2045	phi	(0.4339 mm)

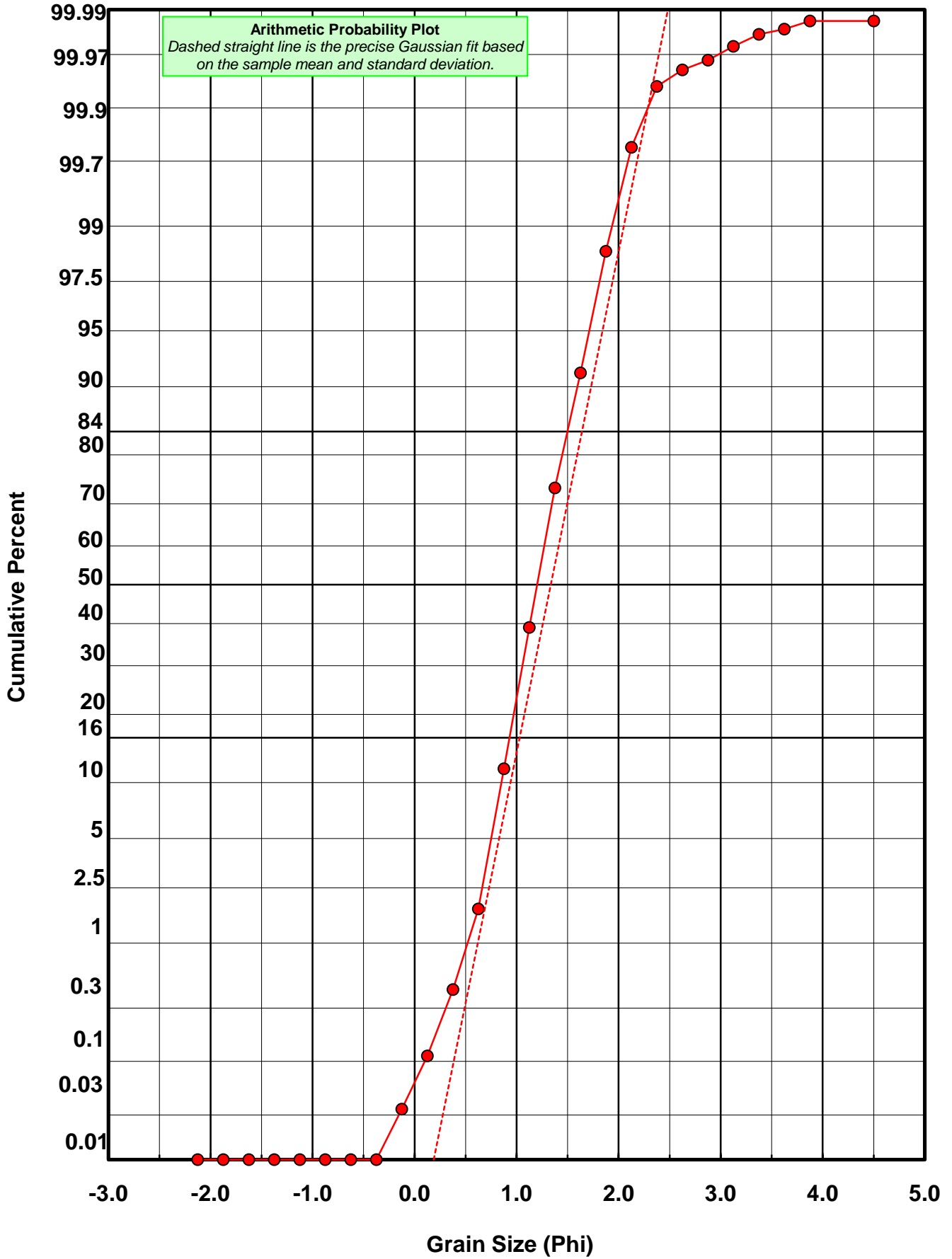
\* RARD = reciprocal absolute relative dispersion (see below)

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)



# SR-01-SS



# Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: SR-01-SS

Total Carbonate Mass: 2.434 grams

% Carbonate: 0.3 %

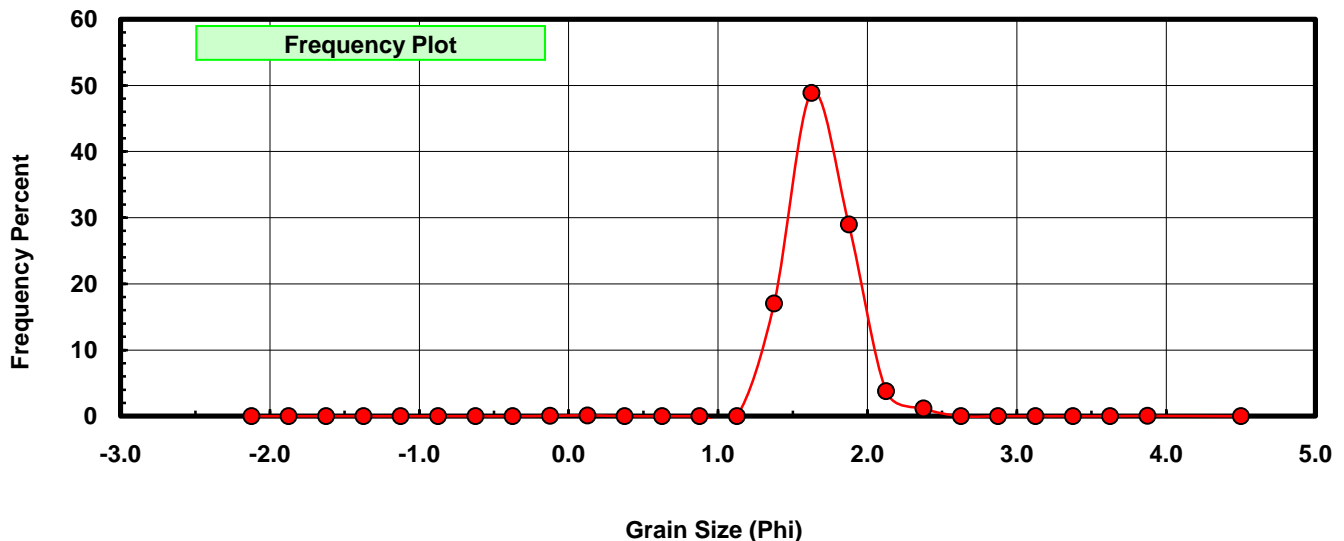
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.001	0.041	0.041
0.25	0.125	0.003	0.123	0.164
0.50	0.375	0.000	0.000	0.164
0.75	0.625	0.000	0.000	0.164
1.00	0.875	0.000	0.000	0.164
1.25	1.125	0.000	0.000	0.164
1.50	1.375	0.415	17.050	17.214
1.75	1.625	1.189	48.850	66.064
2.00	1.875	0.705	28.965	95.029
2.25	2.125	0.092	3.780	98.809
2.50	2.375	0.028	1.150	99.959
2.75	2.625	0.000	0.000	99.959
3.00	2.875	0.000	0.000	99.959
3.25	3.125	0.000	0.000	99.959
3.50	3.375	0.000	0.000	99.959
3.75	3.625	0.000	0.000	99.959
4.00	3.875	0.001	0.041	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	1.6807	phi	(0.3119 mm)
Standard Dev:	0.2184	phi-units	(0.8595 mm)
Skewness:	0.1556	dimensionless	
Kurtosis:	11.9433	dimensionless	
5th Moment:	7.8952	dimensionless	
6th Moment:	731.1448	dimensionless	
RARD *	0.1299	dimensionless	
Median	1.5428	phi	(0.3432 mm)

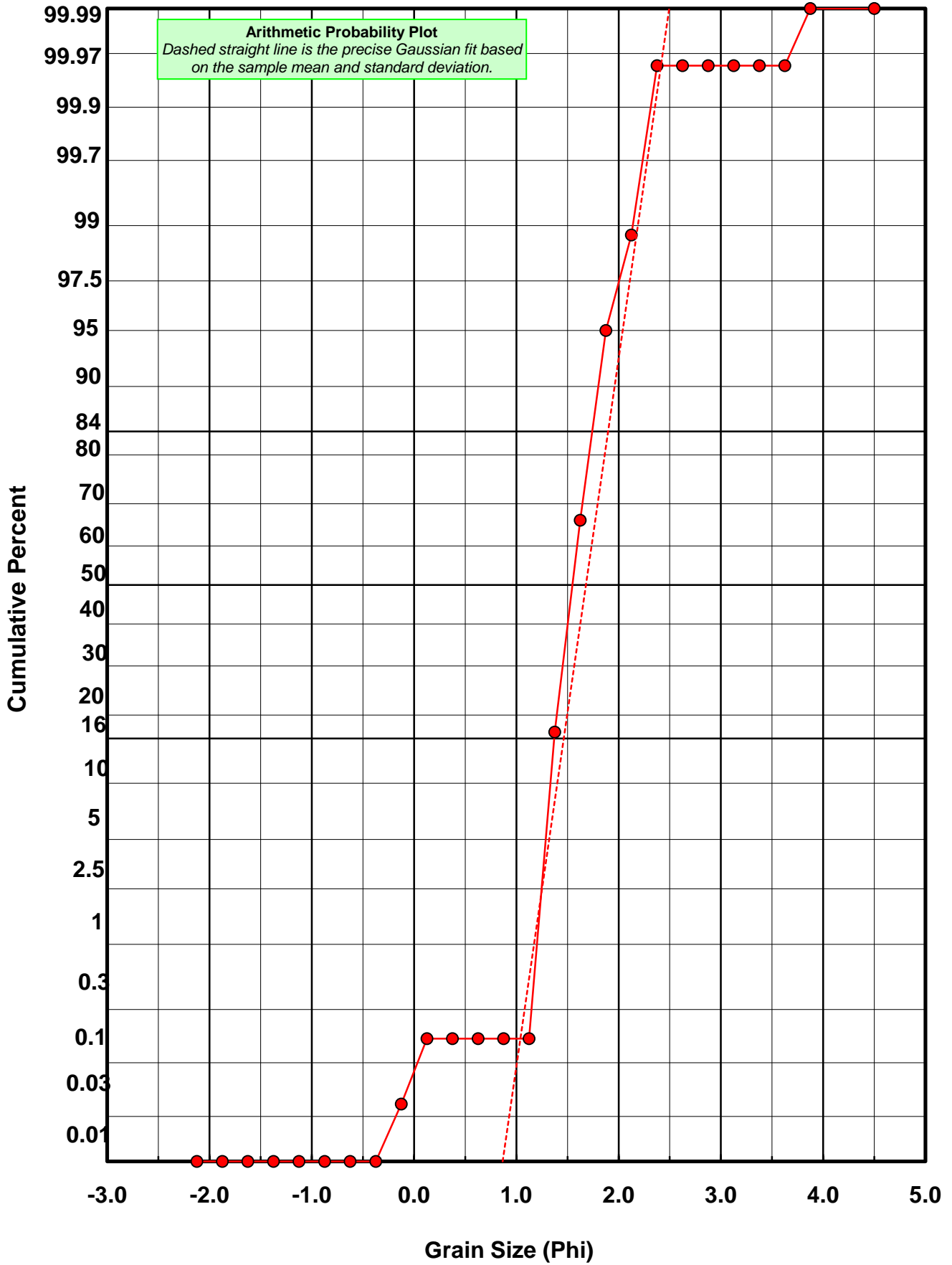
\* RARD = reciprocal absolute relative dispersion (see below)

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
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> 1.33	Poor homogeneity (e.g., glacial)



# SR-01-SS



# Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: SR-01-SS

Total Digested Mass: 67.861 grams

% Silica: 99.7 %

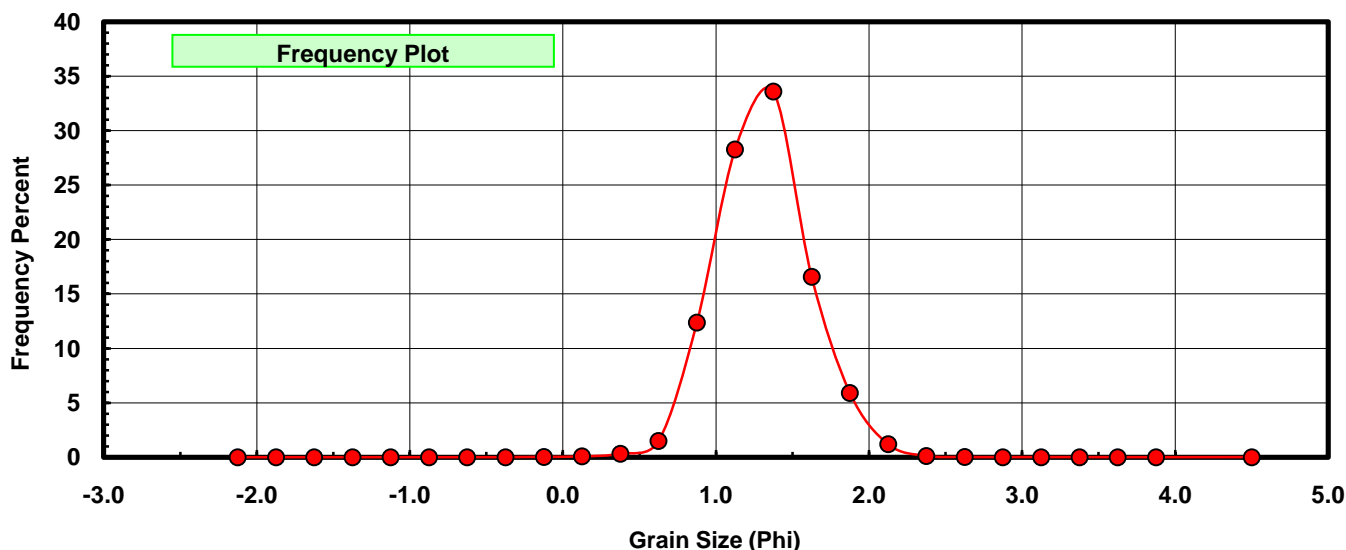
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.003	0.004	0.004
0.00	-0.125	0.023	0.034	0.038
0.25	0.125	0.049	0.072	0.111
0.50	0.375	0.220	0.324	0.435
0.75	0.625	1.018	1.500	1.935
1.00	0.875	8.384	12.355	14.290
1.25	1.125	19.191	28.280	42.569
1.50	1.375	22.783	33.573	76.142
1.75	1.625	11.247	16.574	92.716
2.00	1.875	4.009	5.908	98.624
2.25	2.125	0.806	1.188	99.811
2.50	2.375	0.082	0.121	99.932
2.75	2.625	0.014	0.021	99.953
3.00	2.875	0.006	0.009	99.962
3.25	3.125	0.007	0.010	99.972
3.50	3.375	0.007	0.010	99.982
3.75	3.625	0.003	0.004	99.987
4.00	3.875	0.002	0.003	99.990
5.00	4.500	0.007	0.010	100.000

Statistical Results			
Mean:	1.3089	phi	(0.4036 mm)
Standard Dev:	0.3082	phi-units	(0.8077 mm)
Skewness:	0.3122	dimensionless	
Kurtosis:	5.1318	dimensionless	
5th Moment:	17.1606	dimensionless	
6th Moment:	184.9200	dimensionless	
RARD *	0.2355	dimensionless	
Median	1.1803	phi	(0.4412 mm)

\* RARD = reciprocal absolute relative dispersion (see below)

Statistical Explanation	
Calculations based on the Method of Moments	
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Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0	
For Further Explanation, See Basille et al. 2002	
Millimeter data calculated by $mm = 2^{(-\phi)}$	

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