

**Onshore Grab Sample**

**Sample:** SR-01-B  
**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 83.645 grams  
Total Fines in Sample 0.121 grams  
Total Percent Fines 0.14 %

**Dry Sieving Summary**

Total Sample Weight 83.507 grams  
Total Digested Weight 83.356 grams  
Total Carbonate Weight 0.151 grams  
Total Silica % 99.82 %  
Total Carbonate % 0.18 %  
Carbonate/Silica Ratio 0.002

**General Comments:**

Original Weight (with Beaker): 353.259

**Description**

Worked By: M. Lachance

# Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: SR-01-B

Total Sample Mass: 83.507 grams

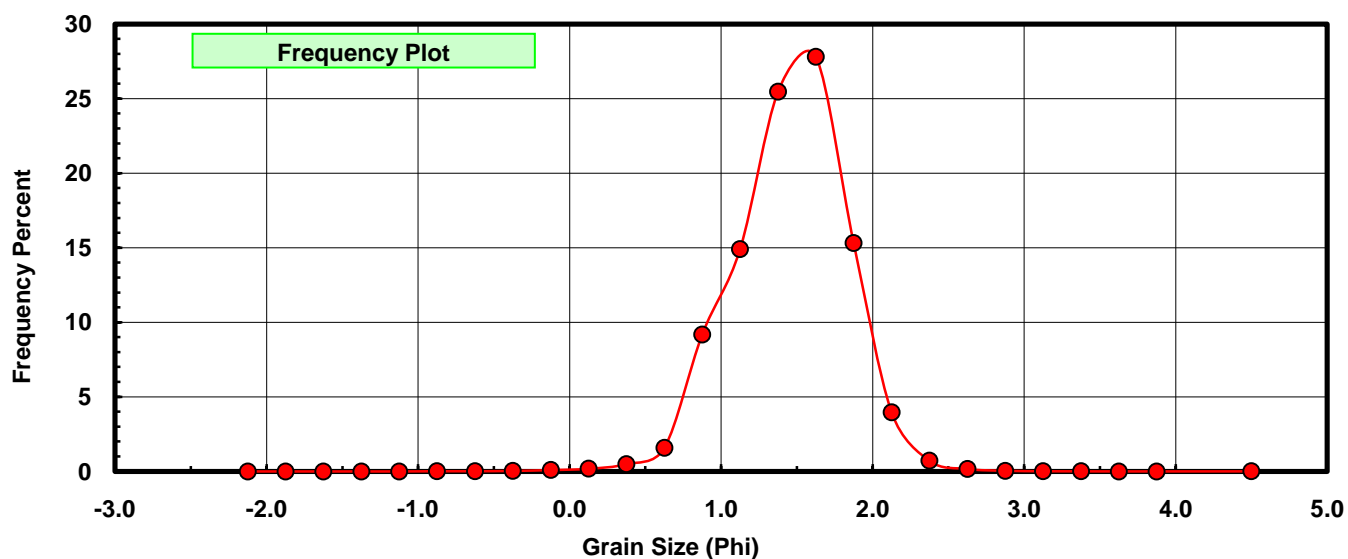
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.011	0.013	0.013
-0.50	-0.625	0.012	0.014	0.028
-0.25	-0.375	0.030	0.036	0.063
0.00	-0.125	0.076	0.091	0.154
0.25	0.125	0.149	0.178	0.333
0.50	0.375	0.411	0.492	0.825
0.75	0.625	1.320	1.581	2.406
1.00	0.875	7.669	9.184	11.589
1.25	1.125	12.447	14.905	26.495
1.50	1.375	21.258	25.457	51.951
1.75	1.625	23.221	27.807	79.759
2.00	1.875	12.789	15.315	95.073
2.25	2.125	3.318	3.973	99.047
2.50	2.375	0.595	0.713	99.759
2.75	2.625	0.138	0.165	99.925
3.00	2.875	0.038	0.046	99.970
3.25	3.125	0.012	0.014	99.984
3.50	3.375	0.005	0.006	99.990
3.75	3.625	0.002	0.002	99.993
4.00	3.875	0.002	0.002	99.995
5.00	4.50	0.004	0.005	100.000

Statistical Results			
Mean:	1.4566	phi	(0.3643 mm)
Standard Dev:	0.3721	phi-units	(0.7727 mm)
Skewness:	-0.2962	dimensionless	
Kurtosis:	4.1611	dimensionless	
5th Moment:	-3.0741	dimensionless	
6th Moment:	59.3201	dimensionless	
RARD *	0.2554	dimensionless	
Median	1.3558	phi	(0.3907 mm)

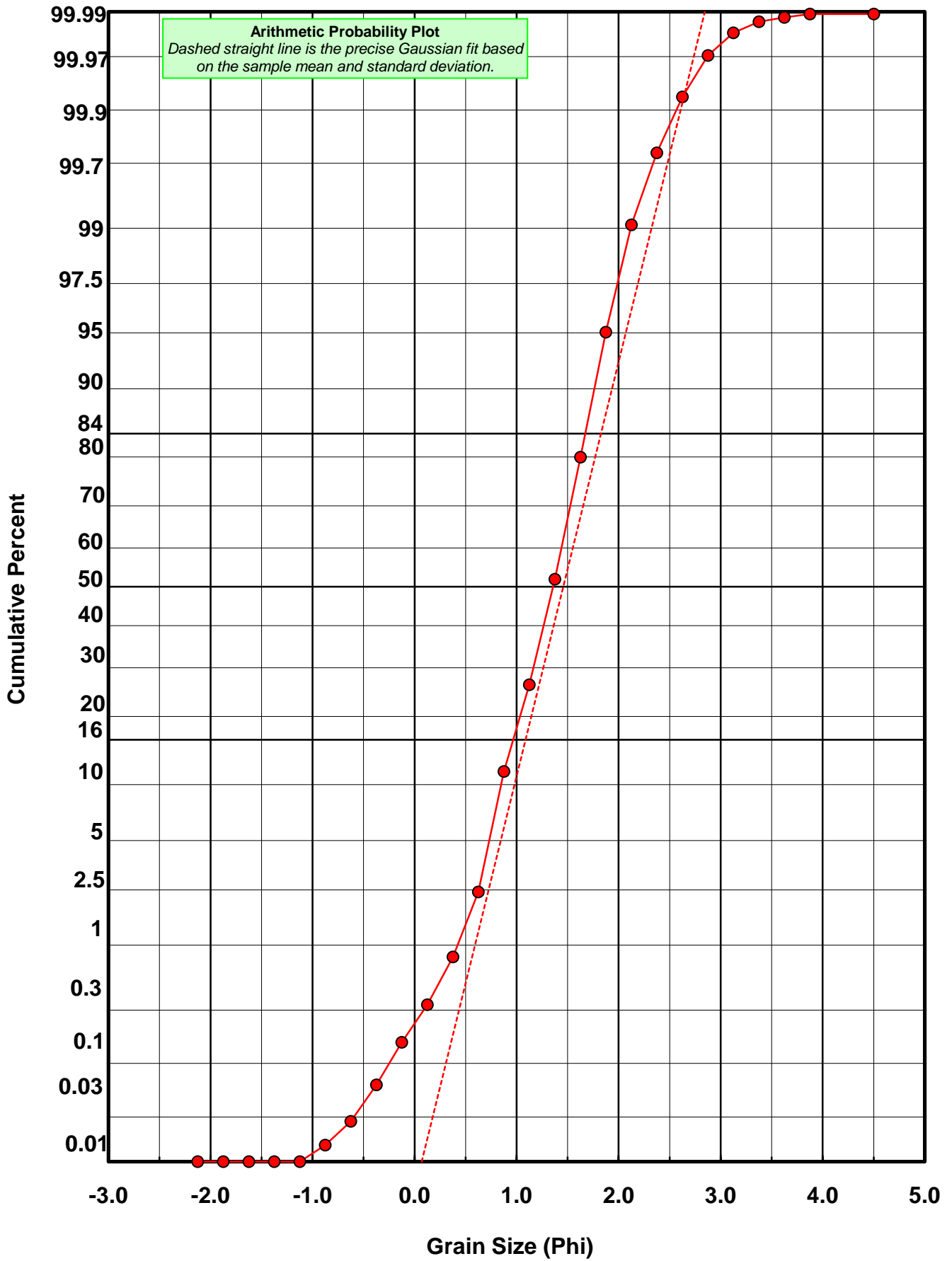
\* RARD = reciprocal absolute relative dispersion (see below)

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-B



# Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: SR-01-B

Total Carbonate Mass: 2.675 grams

% Carbonate: 0.2 %

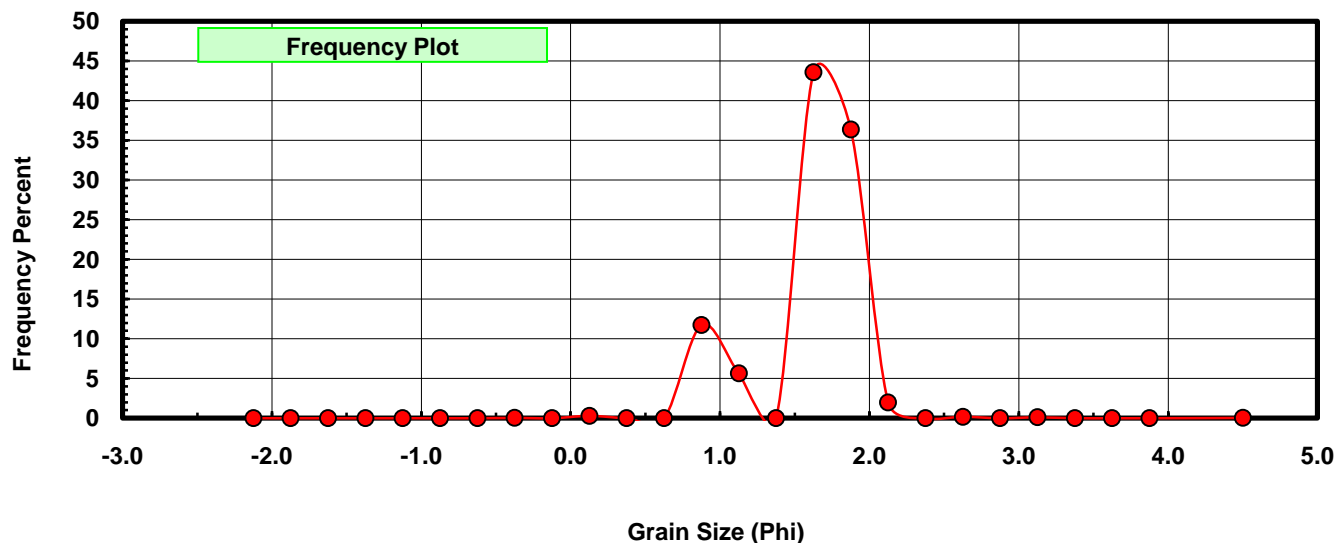
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.001	0.037	0.037
0.00	-0.125	0.000	0.000	0.037
0.25	0.125	0.008	0.299	0.336
0.50	0.375	0.000	0.000	0.336
0.75	0.625	0.000	0.000	0.336
1.00	0.875	0.314	11.738	12.075
1.25	1.125	0.151	5.645	17.720
1.50	1.375	0.000	0.000	17.720
1.75	1.625	1.166	43.589	61.308
2.00	1.875	0.973	36.374	97.682
2.25	2.125	0.053	1.981	99.664
2.50	2.375	0.000	0.000	99.664
2.75	2.625	0.005	0.187	99.850
3.00	2.875	0.000	0.000	99.850
3.25	3.125	0.003	0.112	99.963
3.50	3.375	0.000	0.000	99.963
3.75	3.625	0.000	0.000	99.963
4.00	3.875	0.000	0.000	99.963
5.00	4.500	0.001	0.037	100.000

Statistical Results			
Mean:	1.6090	phi	(0.3278 mm)
Standard Dev:	0.3511	phi-units	(0.784 mm)
Skewness:	-0.9480	dimensionless	
Kurtosis:	6.2325	dimensionless	
5th Moment:	5.2844	dimensionless	
6th Moment:	164.5383	dimensionless	
RARD *	0.2182	dimensionless	
Median	1.5601	phi	(0.3391 mm)

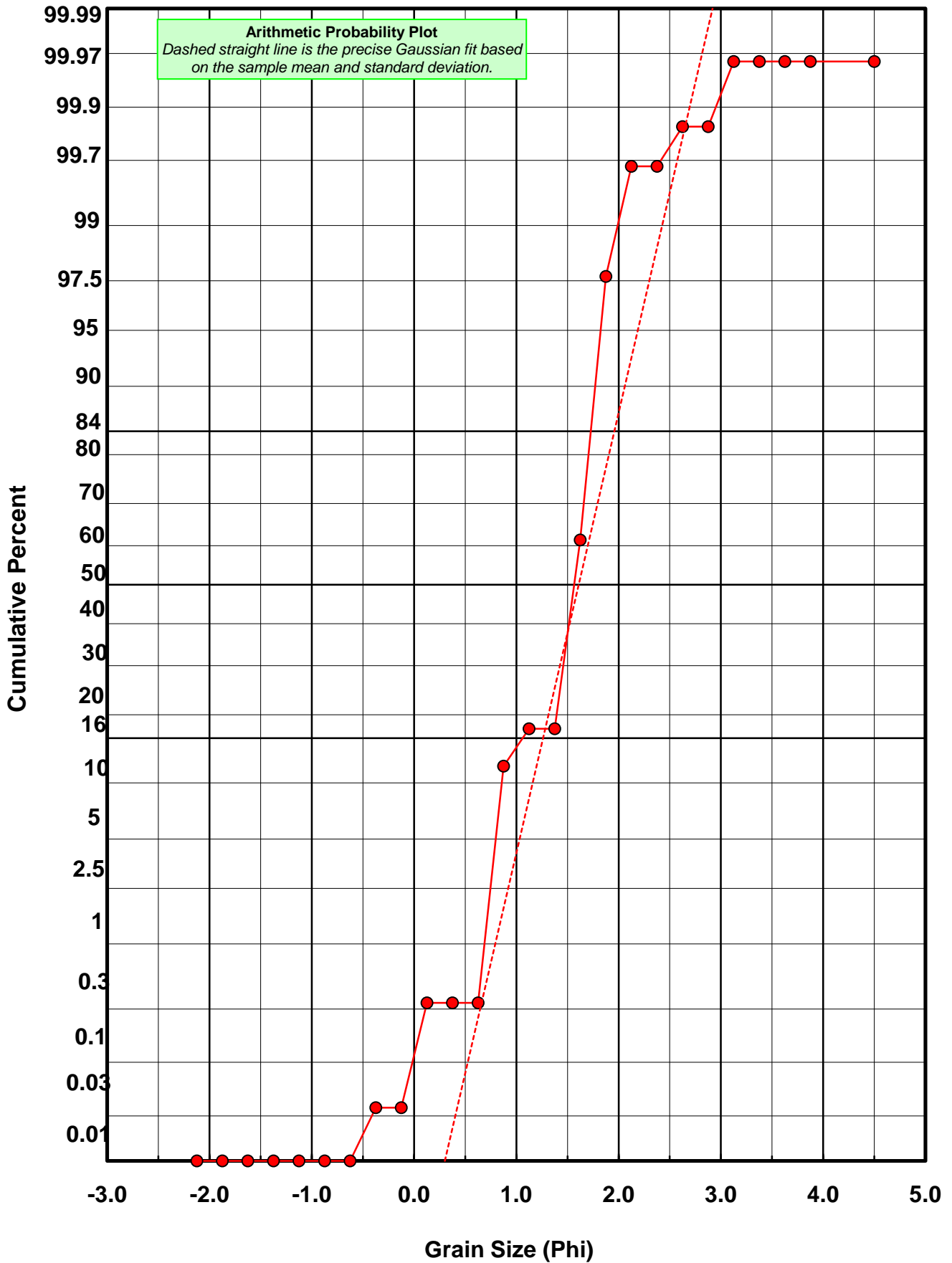
\* RARD = reciprocal absolute relative dispersion (see below)

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-B



# Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: SR-01-B

Total Digested Mass: 83.356 grams

% Silica: 99.8 %

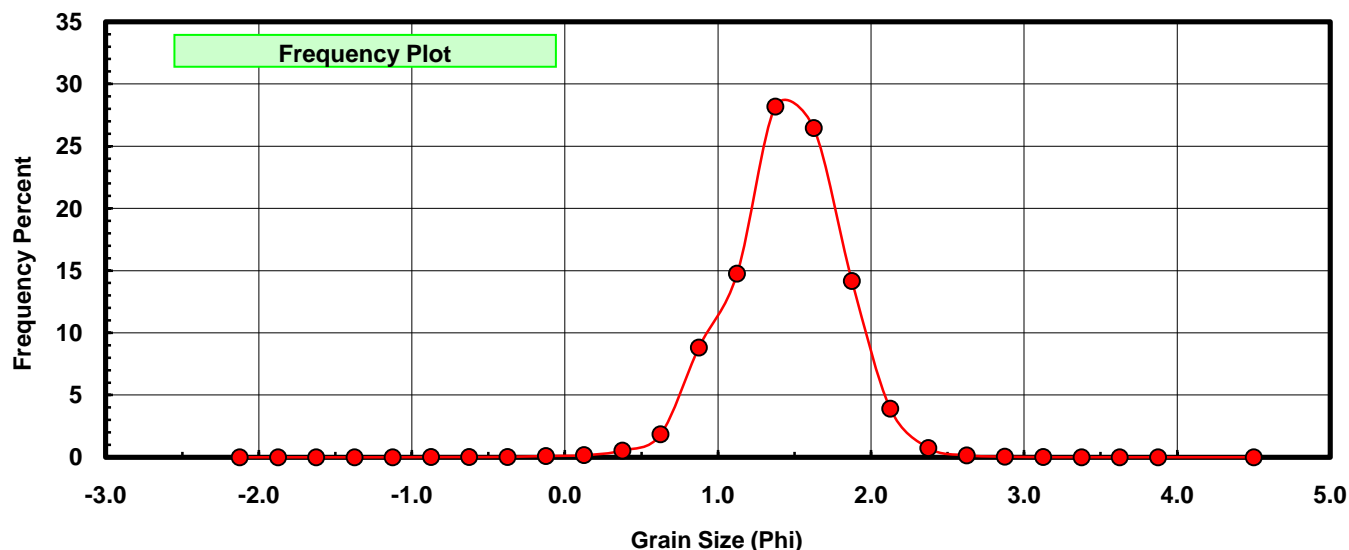
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.013	0.016	0.016
-0.50	-0.625	0.013	0.016	0.031
-0.25	-0.375	0.029	0.035	0.066
0.00	-0.125	0.084	0.101	0.167
0.25	0.125	0.141	0.169	0.336
0.50	0.375	0.451	0.541	0.877
0.75	0.625	1.532	1.838	2.715
1.00	0.875	7.355	8.824	11.538
1.25	1.125	12.296	14.751	26.290
1.50	1.375	23.493	28.184	54.474
1.75	1.625	22.055	26.459	80.932
2.00	1.875	11.816	14.175	95.108
2.25	2.125	3.265	3.917	99.025
2.50	2.375	0.616	0.739	99.764
2.75	2.625	0.133	0.160	99.923
3.00	2.875	0.041	0.049	99.972
3.25	3.125	0.009	0.011	99.983
3.50	3.375	0.006	0.007	99.990
3.75	3.625	0.002	0.002	99.993
4.00	3.875	0.003	0.004	99.996
5.00	4.500	0.003	0.004	100.000

Statistical Results			
Mean:	1.4470	phi	(0.3668 mm)
Standard Dev:	0.3704	phi-units	(0.7736 mm)
Skewness:	-0.2813	dimensionless	
Kurtosis:	4.2917	dimensionless	
5th Moment:	-3.4875	dimensionless	
6th Moment:	60.3341	dimensionless	
RARD *	0.2560	dimensionless	
Median	1.3353	phi	(0.3963 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 $mm = 2^{(-\phi)}$	

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