Onshore Grab Sample

Sample: SR-03-MB
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Santa Rosa
Latitude: 30° 23' 3.20"
Longitude: 86° 49' 30.43"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	72.804	grams
Total Fines in Sample	0.016	grams
Total Percent Fines	0.02	%

Dry Sieving Summary

Total Sample Weight	72.734	grams
Total Digested Weight	72.692	grams
Total Carbonate Weight	0.042	grams
Total Silica %	99.94	%
Total Carbonate %	0.06	%
Carbonate/Silica Ratio	0.001	

General Comments:

Original Weight (with Beaker): 360.160; Not enough Carbonate Material to run a Post-Digestion Analysis

Description

Worked By: M. Lachance

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: SR-03-MB

Total Sample Mass: 72.734 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	0.009	0.012	0.012
-1.00	-1.125	0.000	0.000	0.012
-0.75	-0.875	0.000	0.000	0.012
-0.50	-0.625	0.004	0.005	0.018
-0.25	-0.375	0.016	0.022	0.040
0.00	-0.125	0.033	0.045	0.085
0.25	0.125	0.100	0.137	0.223
0.50	0.375	0.302	0.415	0.638
0.75	0.625	0.860	1.182	1.820
1.00	0.875	6.680	9.184	11.004
1.25	1.125	15.768	21.679	32.683
1.50	1.375	27.057	37.200	69.883
1.75	1.625	15.616	21.470	91.353
2.00	1.875	5.098	7.009	98.363
2.25	2.125	1.024	1.408	99.770
2.50	2.375	0.117	0.161	99.931
2.75	2.625	0.026	0.036	99.967
3.00	2.875	0.006	0.008	99.975
3.25	3.125	0.006	0.008	99.984
3.50	3.375	0.005	0.007	99.990
3.75	3.625	0.001	0.001	99.992
4.00	3.875	0.001	0.001	99.993
5.00	4.500	0.000	0.000	99.993
5.00	4.50	0.005	0.007	100.000

Statistical Results			
Mean:	1.3606	phi	(0.3894 mm)
Standard Dev:	0.3098	phi-units	(0.8067 mm)
Skewness:	-0.1444	dimensionless	
Kurtosis:	5.6872	dimensionless	
5th Moment:	-1.2603	dimensionless	
6th Moment:	188.6152	dimensionless	
RARD *	0.2277	dimensionless	
Median	1.2414	phi	(0.423 mm)

* RARD = reciprocal absolute relative dispersion (see below)

Statistical Explanation

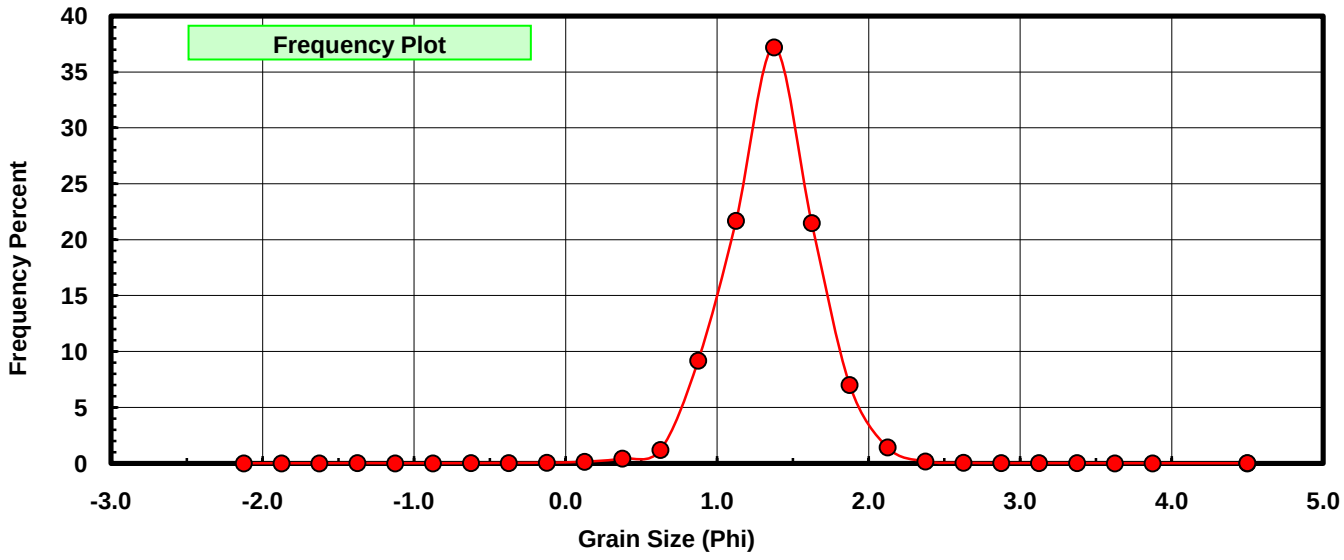
Calculations based on the Method of Moments
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0

For Further Explanation, See Basillle et al. 2002

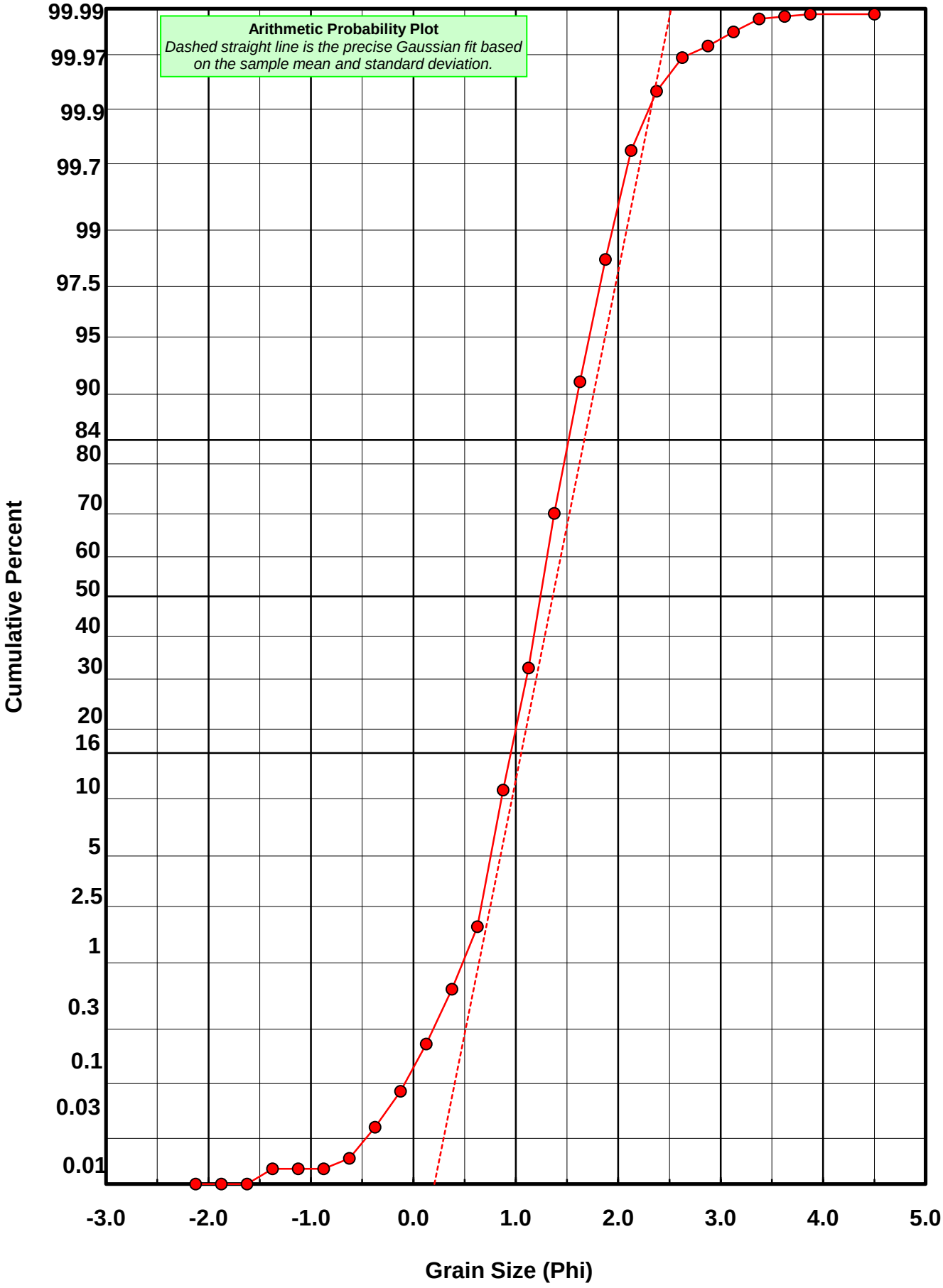
Millimeter data calculated by mm = 2^(-phi)

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-03-MB


Arithmetic Probability Plot
Dashed straight line is the precise Gaussian fit based on the sample mean and standard deviation.
Cumulative Percent
99.99
99.97
99.9
99.7
99
97.5
95
90
84
80
70
60
50
40
30
20
16
10
5
2.5
1
0.3
0.1
0.03
0.01
-3.0
-2.0
-1.0
0.0
1.0
2.0
3.0
4.0
5.0
Grain Size (Phi)