

Onshore Grab Sample

Sample: LE-06-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/12/10
Splits? N/A

County: Lee
Latitude: 26° 43' 3"
Longitude: 82° 15' 43.2"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 65.839 grams
Total Fines in Sample 0.169 grams
Total Percent Fines 0.26 %

Dry Sieving Summary

Total Sample Weight 65.782 grams
Total Digested Weight 42.255 grams
Total Carbonate Weight 23.527 grams
Total Silica % 64.23 %
Total Carbonate % 35.77 %
Carbonate/Silica Ratio 0.557

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-06-BB

Total Sample Mass: 65.782 grams

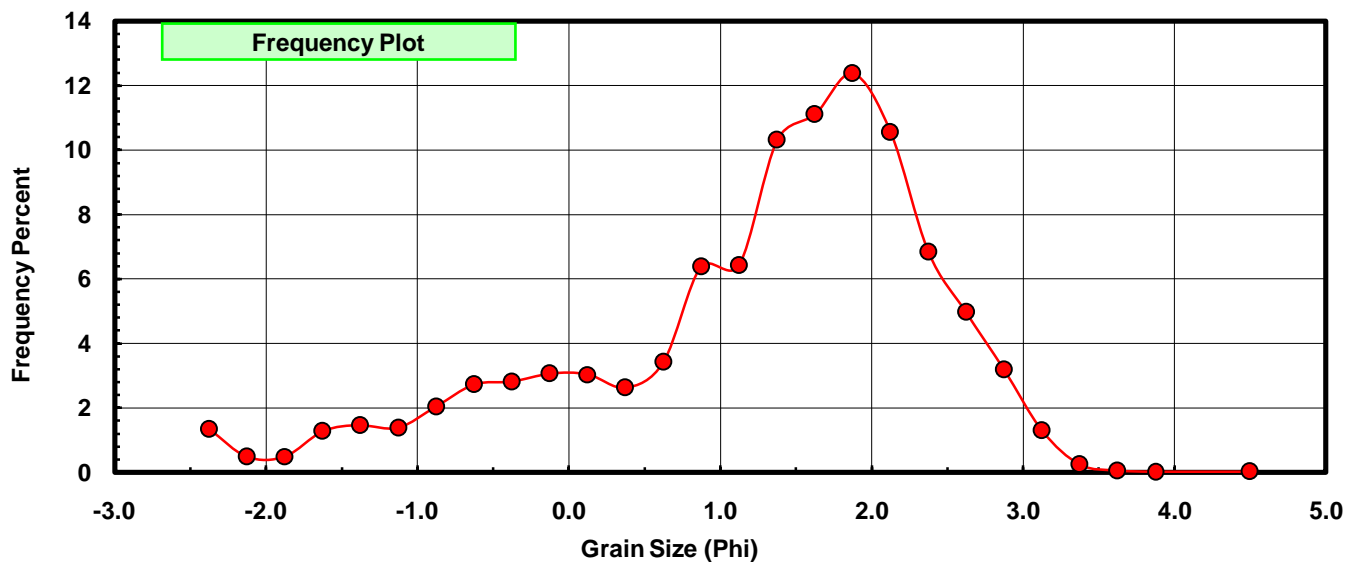
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.884	1.344	1.344
-2.00	-2.125	0.320	0.486	1.830
-1.75	-1.875	0.327	0.497	2.327
-1.50	-1.625	0.841	1.278	3.606
-1.25	-1.375	0.961	1.461	5.067
-1.00	-1.125	0.910	1.383	6.450
-0.75	-0.875	1.340	2.037	8.487
-0.50	-0.625	1.796	2.730	11.217
-0.25	-0.375	1.855	2.820	14.037
0.00	-0.125	2.015	3.063	17.100
0.25	0.125	1.999	3.039	20.139
0.50	0.375	1.727	2.625	22.765
0.75	0.625	2.253	3.425	26.190
1.00	0.875	4.201	6.386	32.576
1.25	1.125	4.224	6.421	38.997
1.50	1.375	6.782	10.310	49.307
1.75	1.625	7.308	11.109	60.416
2.00	1.875	8.139	12.373	72.789
2.25	2.125	6.948	10.562	83.351
2.50	2.375	4.502	6.844	90.195
2.75	2.625	3.271	4.972	95.167
3.00	2.875	2.099	3.191	98.358
3.25	3.125	0.852	1.295	99.653
3.50	3.375	0.163	0.248	99.901
3.75	3.625	0.037	0.056	99.957
4.00	3.875	0.013	0.020	99.977
5.00	4.50	0.015	0.023	100.000

Statistical Results			
Mean:	1.2221	phi	(0.4287 mm)
Standard Dev:	1.2098	phi-units	(0.4323 mm)
Skewness:	-0.9528	dimensionless	
Kurtosis:	3.4253	dimensionless	
5th Moment:	-6.6930	dimensionless	
6th Moment:	19.4485	dimensionless	
RARD *	0.9900	dimensionless	
Median	1.3906	phi	(0.3814 mm)

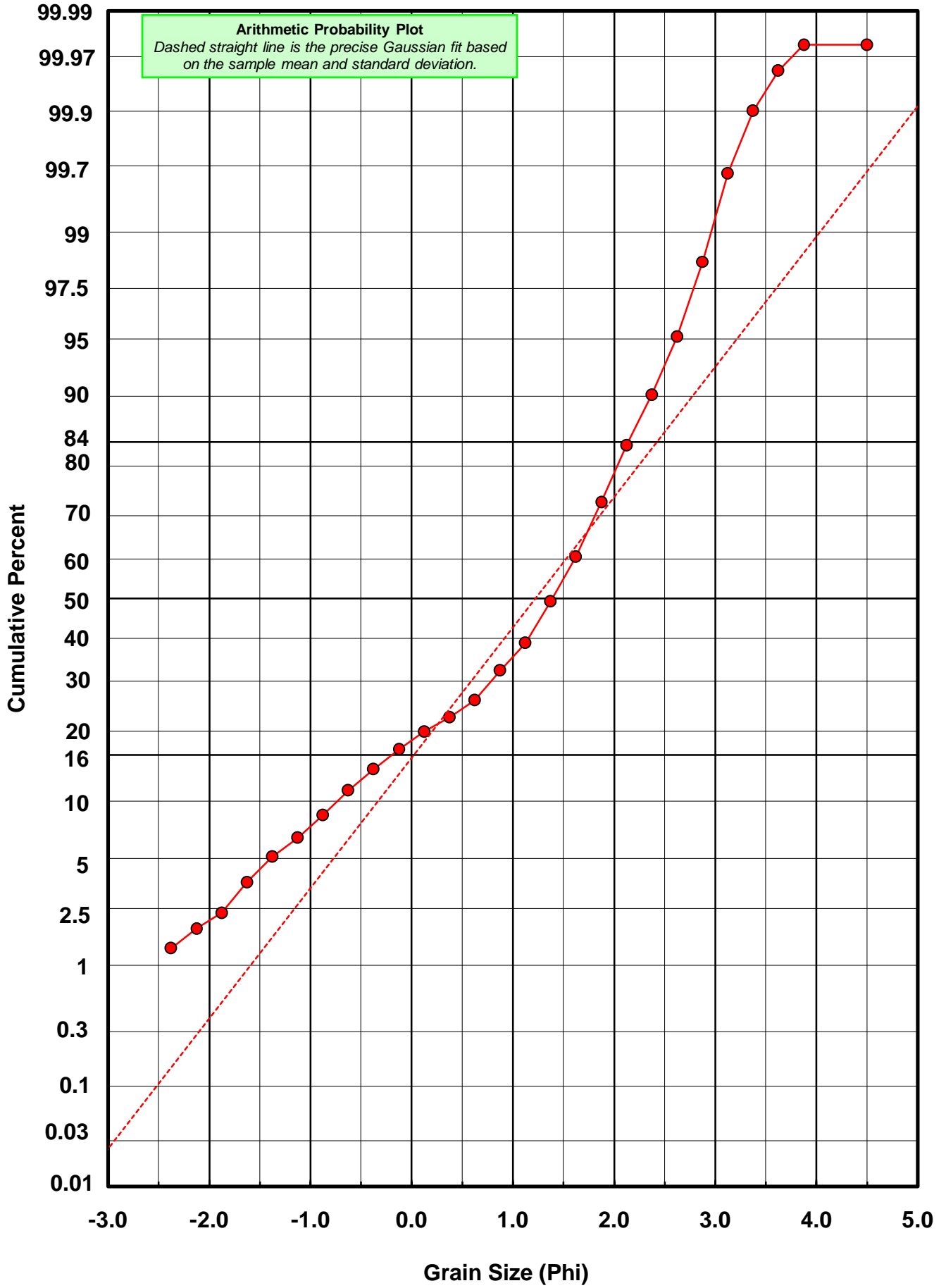
* RARD = reciprocal absolute relative dispersion (see below)

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)



LE-06-BB



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: LE-06-BB

Total Carbonate Mass: 25.152 grams

% Carbonate: 35.8 %

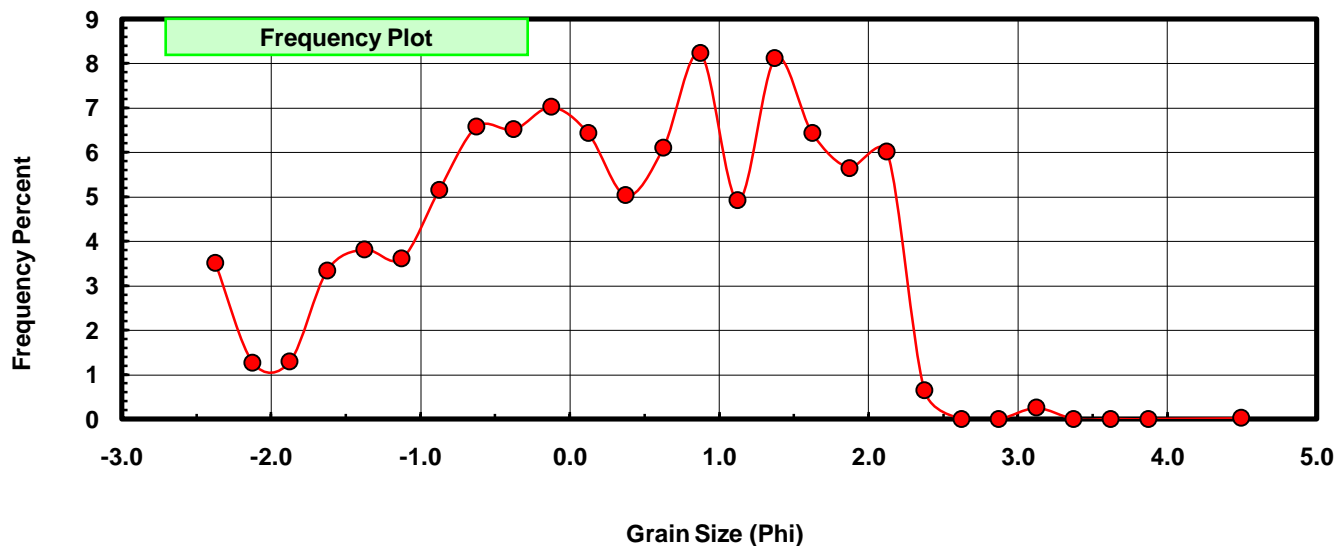
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.884	3.515	3.515
-2.00	-2.125	0.320	1.272	4.787
-1.75	-1.875	0.327	1.300	6.087
-1.50	-1.625	0.841	3.344	9.431
-1.25	-1.375	0.961	3.821	13.251
-1.00	-1.125	0.910	3.618	16.869
-0.75	-0.875	1.297	5.157	22.026
-0.50	-0.625	1.653	6.572	28.598
-0.25	-0.375	1.639	6.516	35.115
0.00	-0.125	1.766	7.021	42.136
0.25	0.125	1.618	6.433	48.569
0.50	0.375	1.266	5.033	53.602
0.75	0.625	1.535	6.103	59.705
1.00	0.875	2.070	8.230	67.935
1.25	1.125	1.238	4.922	72.857
1.50	1.375	2.042	8.119	80.976
1.75	1.625	1.618	6.433	87.409
2.00	1.875	1.420	5.646	93.054
2.25	2.125	1.512	6.011	99.066
2.50	2.375	0.164	0.652	99.718
2.75	2.625	0.000	0.000	99.718
3.00	2.875	0.000	0.000	99.718
3.25	3.125	0.065	0.258	99.976
3.50	3.375	0.000	0.000	99.976
3.75	3.625	0.000	0.000	99.976
4.00	3.875	0.000	0.000	99.976
5.00	4.500	0.006	0.024	100.000

Statistical Results			
Mean:	0.2650	phi	(0.8322 mm)
Standard Dev:	1.2624	phi-units	(0.4168 mm)
Skewness:	-0.2564	dimensionless	
Kurtosis:	2.1463	dimensionless	
5th Moment:	-1.3530	dimensionless	
6th Moment:	6.5916	dimensionless	
RARD *	4.7642	dimensionless	
Median	0.1961	phi	(0.8729 mm)

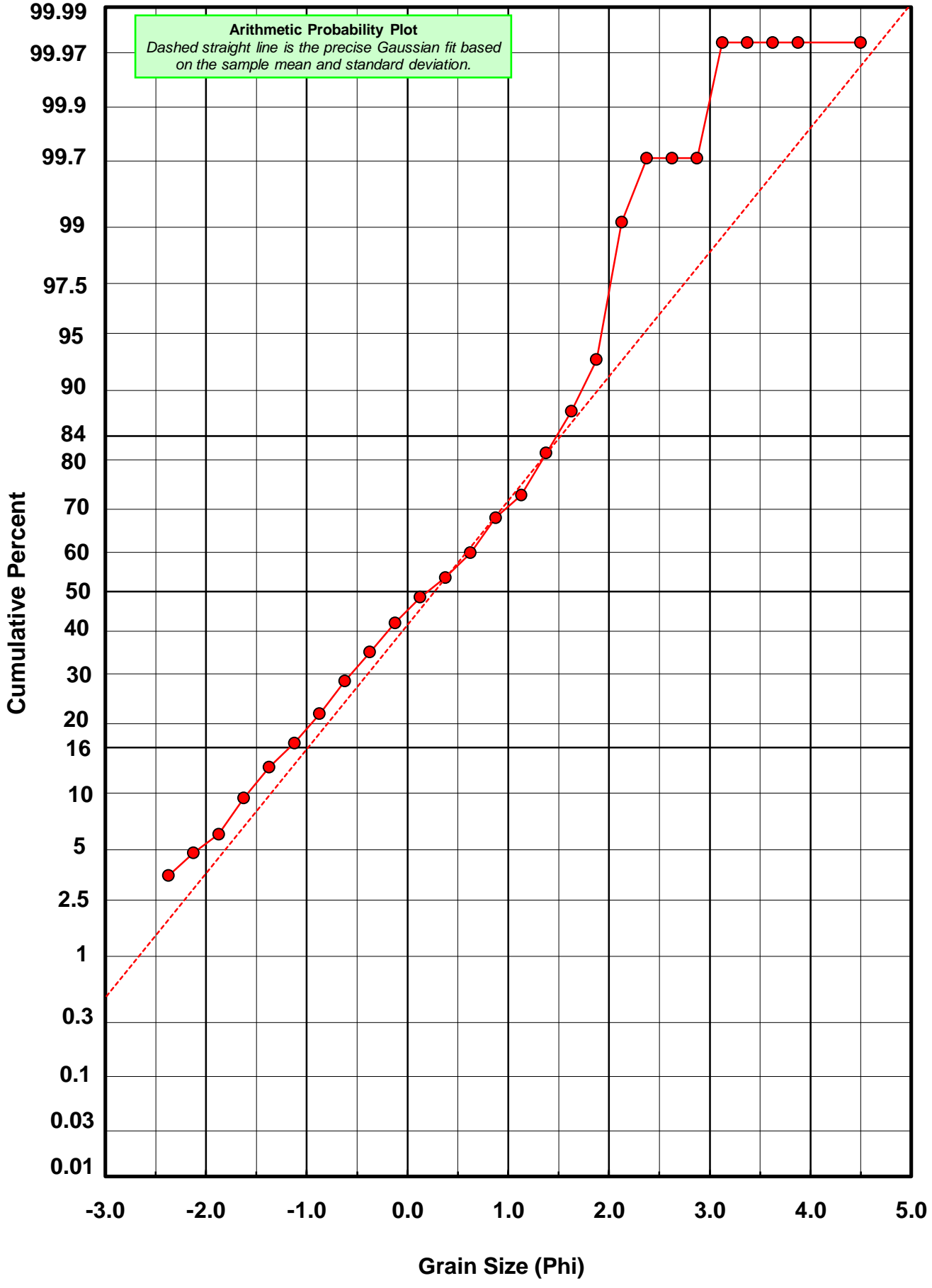
* RARD = reciprocal absolute relative dispersion (see below)

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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LE-06-BB



Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-06-BB

Total Digested Mass: 42.255 grams

% Silica: 64.2 %

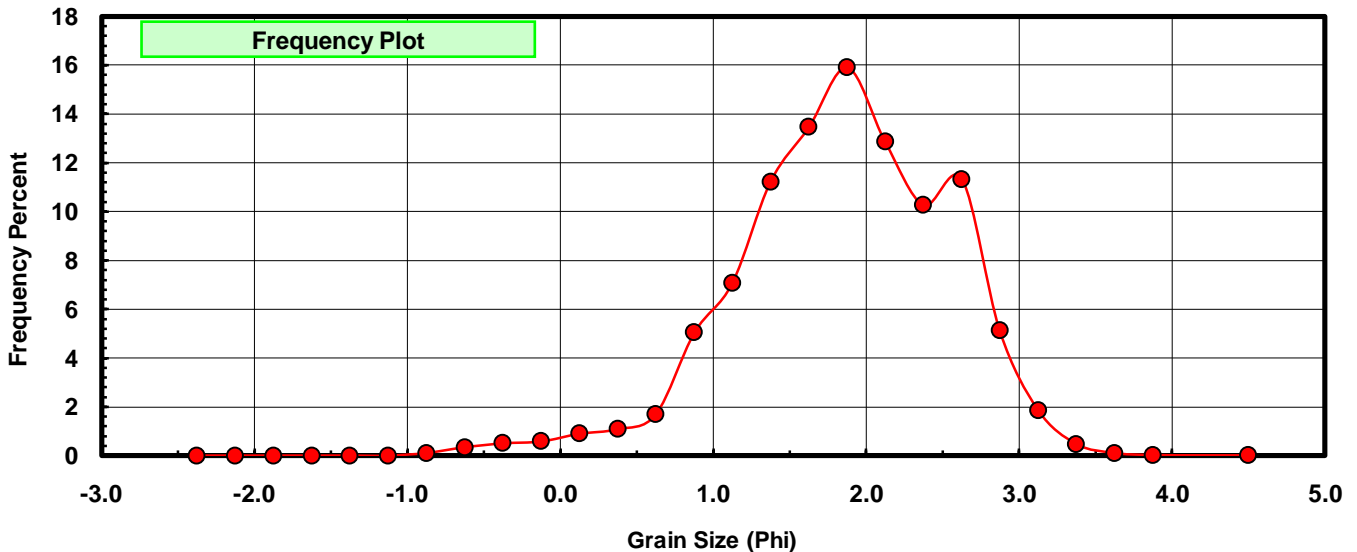
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.043	0.102	0.102
-0.50	-0.625	0.143	0.338	0.440
-0.25	-0.375	0.216	0.511	0.951
0.00	-0.125	0.249	0.589	1.541
0.25	0.125	0.381	0.902	2.442
0.50	0.375	0.461	1.091	3.533
0.75	0.625	0.718	1.699	5.233
1.00	0.875	2.131	5.043	10.276
1.25	1.125	2.986	7.067	17.342
1.50	1.375	4.740	11.218	28.560
1.75	1.625	5.690	13.466	42.026
2.00	1.875	6.719	15.901	57.927
2.25	2.125	5.436	12.865	70.792
2.50	2.375	4.338	10.266	81.058
2.75	2.625	4.787	11.329	92.387
3.00	2.875	2.168	5.131	97.517
3.25	3.125	0.787	1.863	99.380
3.50	3.375	0.197	0.466	99.846
3.75	3.625	0.043	0.102	99.948
4.00	3.875	0.013	0.031	99.979
5.00	4.500	0.009	0.021	100.000

Statistical Results			
Mean:	1.8469	phi	(0.278 mm)
Standard Dev:	0.6990	phi-units	(0.616 mm)
Skewness:	-0.5280	dimensionless	
Kurtosis:	3.6171	dimensionless	
5th Moment:	-6.0195	dimensionless	
6th Moment:	25.9967	dimensionless	
RARD *	0.3785	dimensionless	
Median	1.7504	phi	(0.2972 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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