

Onshore Grab Sample

Sample: LE-19
Sample Taken By: D. Phelps
Sample Collected On: 11/7/09
Splits? N/A

County: Lee
Latitude: 26° 33' 21.3"
Longitude: 82° 12' 1.3"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 37.896 grams
Total Fines in Sample 0.155 grams
Total Percent Fines 0.41 %

Dry Sieving Summary

Total Sample Weight 37.742 grams
Total Digested Weight 5.585 grams
Total Carbonate Weight 32.157 grams
Total Silica % 14.80 %
Total Carbonate % 85.20 %
Carbonate/Silica Ratio 5.758

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-19

Total Sample Mass: 37.742 grams

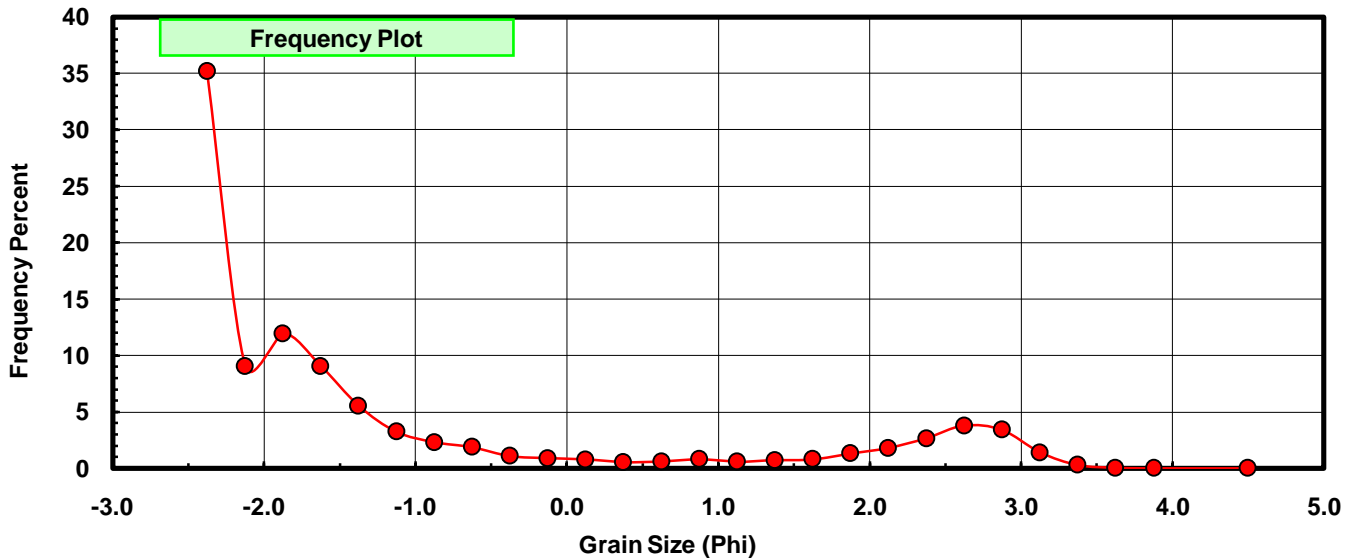
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	13.290	35.213	35.213
-2.00	-2.125	3.424	9.072	44.285
-1.75	-1.875	4.516	11.965	56.250
-1.50	-1.625	3.423	9.069	65.320
-1.25	-1.375	2.090	5.538	70.857
-1.00	-1.125	1.229	3.256	74.114
-0.75	-0.875	0.878	2.326	76.440
-0.50	-0.625	0.717	1.900	78.340
-0.25	-0.375	0.411	1.089	79.429
0.00	-0.125	0.340	0.901	80.330
0.25	0.125	0.298	0.790	81.119
0.50	0.375	0.212	0.562	81.681
0.75	0.625	0.227	0.601	82.282
1.00	0.875	0.306	0.811	83.093
1.25	1.125	0.227	0.601	83.695
1.50	1.375	0.276	0.731	84.426
1.75	1.625	0.302	0.800	85.226
2.00	1.875	0.499	1.322	86.548
2.25	2.125	0.681	1.804	88.352
2.50	2.375	1.000	2.650	91.002
2.75	2.625	1.425	3.776	94.778
3.00	2.875	1.293	3.426	98.204
3.25	3.125	0.531	1.407	99.611
3.50	3.375	0.113	0.299	99.910
3.75	3.625	0.021	0.056	99.966
4.00	3.875	0.006	0.016	99.981
5.00	4.50	0.007	0.019	100.000

Statistical Results			
Mean:	-1.1261	phi	(2.1826 mm)
Standard Dev:	1.7609	phi-units	(0.2951 mm)
Skewness:	1.3972	dimensionless	
Kurtosis:	3.4032	dimensionless	
5th Moment:	7.0624	dimensionless	
6th Moment:	15.7281	dimensionless	
RARD *	1.5638	dimensionless	
Median	-2.0056	phi	(4.0155 mm)

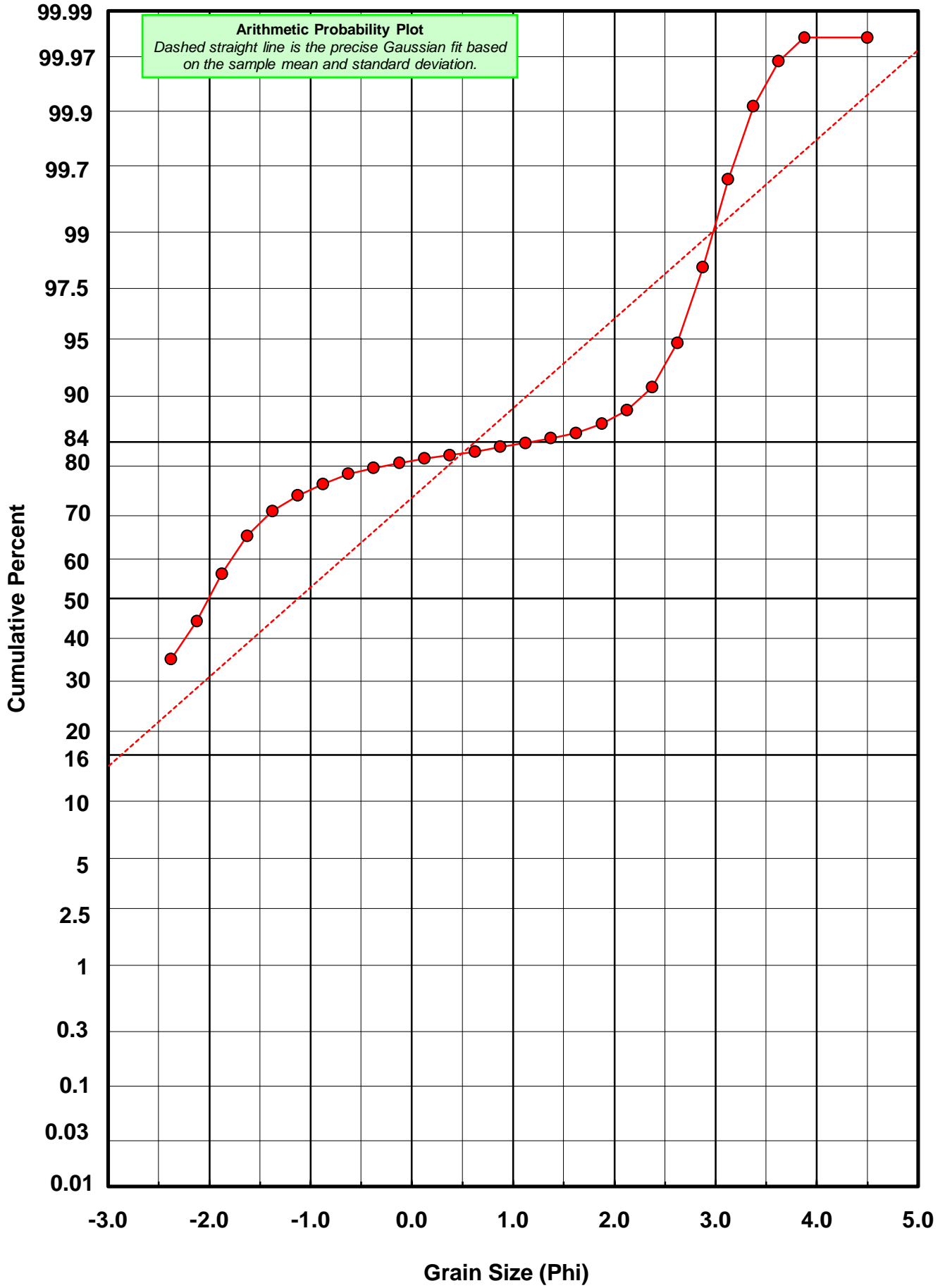
* RARD = reciprocal absolute relative dispersion (see below)

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-19



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: LE-19

Total Carbonate Mass: 32.157 grams

% Carbonate: 85.2 %

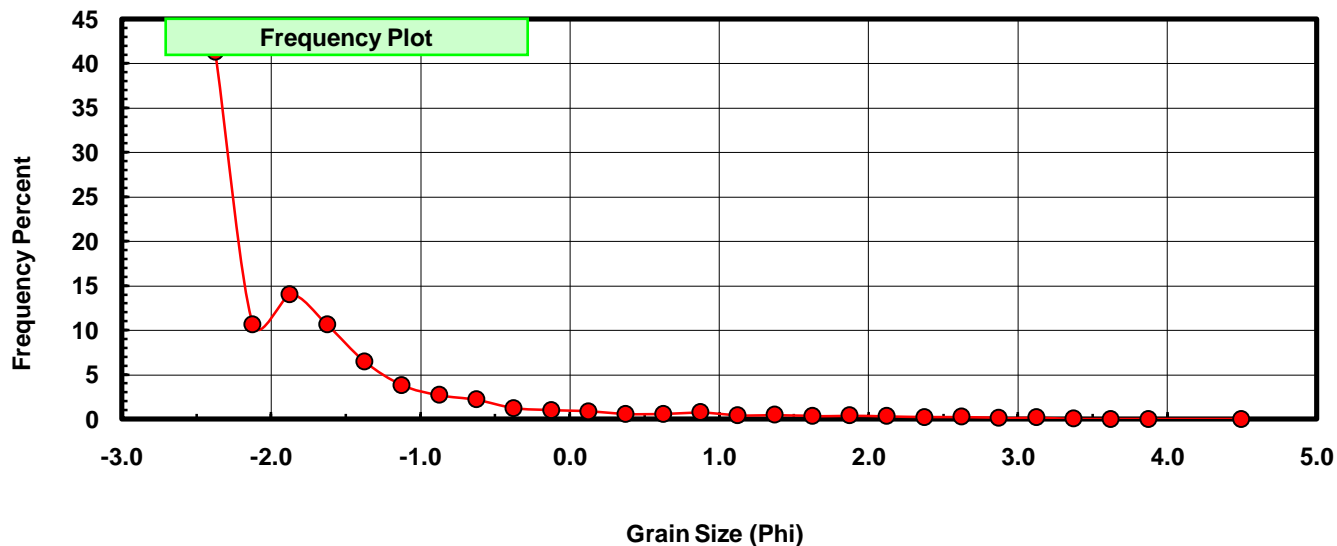
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	13.290	41.328	41.328
-2.00	-2.125	3.424	10.648	51.976
-1.75	-1.875	4.516	14.044	66.020
-1.50	-1.625	3.423	10.645	76.664
-1.25	-1.375	2.090	6.499	83.164
-1.00	-1.125	1.229	3.822	86.986
-0.75	-0.875	0.878	2.730	89.716
-0.50	-0.625	0.714	2.220	91.936
-0.25	-0.375	0.400	1.244	93.180
0.00	-0.125	0.326	1.014	94.194
0.25	0.125	0.288	0.896	95.090
0.50	0.375	0.188	0.585	95.674
0.75	0.625	0.192	0.597	96.271
1.00	0.875	0.246	0.765	97.036
1.25	1.125	0.148	0.460	97.497
1.50	1.375	0.152	0.473	97.969
1.75	1.625	0.118	0.367	98.336
2.00	1.875	0.131	0.407	98.744
2.25	2.125	0.114	0.355	99.098
2.50	2.375	0.074	0.230	99.328
2.75	2.625	0.087	0.271	99.599
3.00	2.875	0.049	0.152	99.751
3.25	3.125	0.058	0.180	99.932
3.50	3.375	0.014	0.044	99.975
3.75	3.625	0.004	0.012	99.988
4.00	3.875	0.000	0.000	99.988
5.00	4.500	0.004	0.012	100.000

Statistical Results			
Mean:	-1.7486	phi	(3.3602 mm)
Standard Dev:	0.9459	phi-units	(0.5191 mm)
Skewness:	2.4543	dimensionless	
Kurtosis:	9.9543	dimensionless	
5th Moment:	41.0601	dimensionless	
6th Moment:	181.5273	dimensionless	
RARD *	0.5410	dimensionless	
Median	-2.1714	phi	(4.5046 mm)

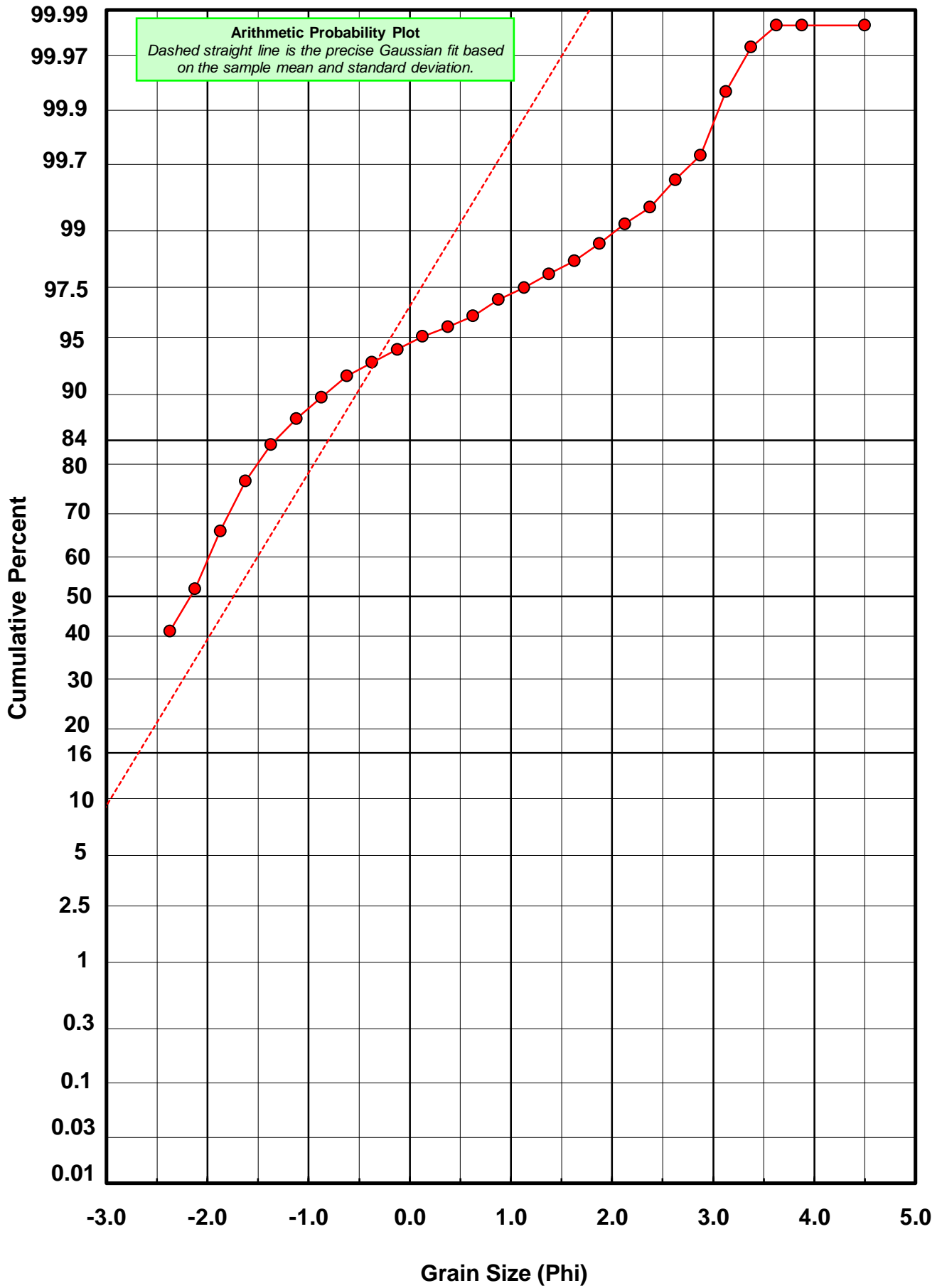
* RARD = reciprocal absolute relative dispersion (see below)

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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Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-19

Total Digested Mass: 5.585 grams

% Silica: 14.8 %

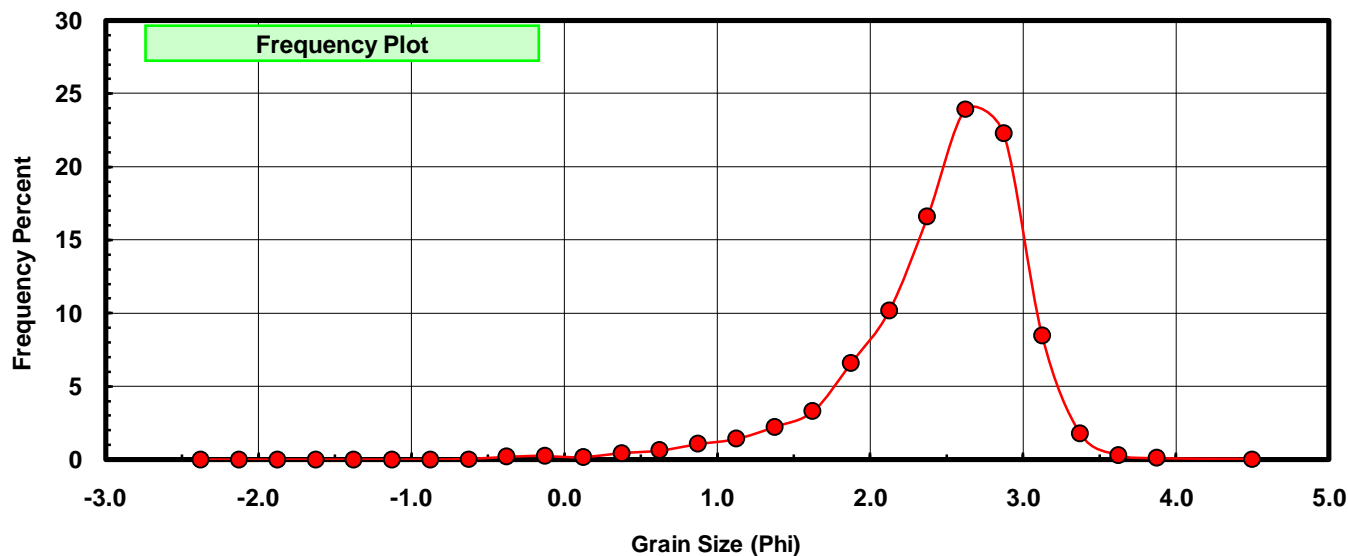
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.003	0.054	0.054
-0.25	-0.375	0.011	0.197	0.251
0.00	-0.125	0.014	0.251	0.501
0.25	0.125	0.010	0.179	0.680
0.50	0.375	0.024	0.430	1.110
0.75	0.625	0.035	0.627	1.737
1.00	0.875	0.060	1.074	2.811
1.25	1.125	0.079	1.415	4.226
1.50	1.375	0.124	2.220	6.446
1.75	1.625	0.184	3.295	9.740
2.00	1.875	0.368	6.589	16.329
2.25	2.125	0.567	10.152	26.482
2.50	2.375	0.926	16.580	43.062
2.75	2.625	1.338	23.957	67.019
3.00	2.875	1.244	22.274	89.293
3.25	3.125	0.473	8.469	97.762
3.50	3.375	0.099	1.773	99.534
3.75	3.625	0.017	0.304	99.839
4.00	3.875	0.006	0.107	99.946
5.00	4.500	0.003	0.054	100.000

Statistical Results			
Mean:	2.4581	phi	(0.182 mm)
Standard Dev:	0.5739	phi-units	(0.6718 mm)
Skewness:	-1.4588	dimensionless	
Kurtosis:	6.5884	dimensionless	
5th Moment:	-22.1622	dimensionless	
6th Moment:	97.2502	dimensionless	
RARD *	0.2335	dimensionless	
Median	2.4474	phi	(0.1833 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	
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For Further Explanation, See Basille et al. 2002	
Millimeter data calculated by $mm = 2^{-(\phi)}$	

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