

Onshore Grab Sample

Sample: LE-26
Sample Taken By: D. Phelps
Sample Collected On: 11/7/09
Splits? N/A

County: Lee
Latitude: 26° 28' 52.6"
Longitude: 82° 10' 56.1"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 50.227 grams
Total Fines in Sample 0.308 grams
Total Percent Fines 0.61 %

Dry Sieving Summary

Total Sample Weight 49.961 grams
Total Digested Weight 8.467 grams
Total Carbonate Weight 41.494 grams
Total Silica % 16.95 %
Total Carbonate % 83.05 %
Carbonate/Silica Ratio 4.901

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-26

Total Sample Mass: 49.961 grams

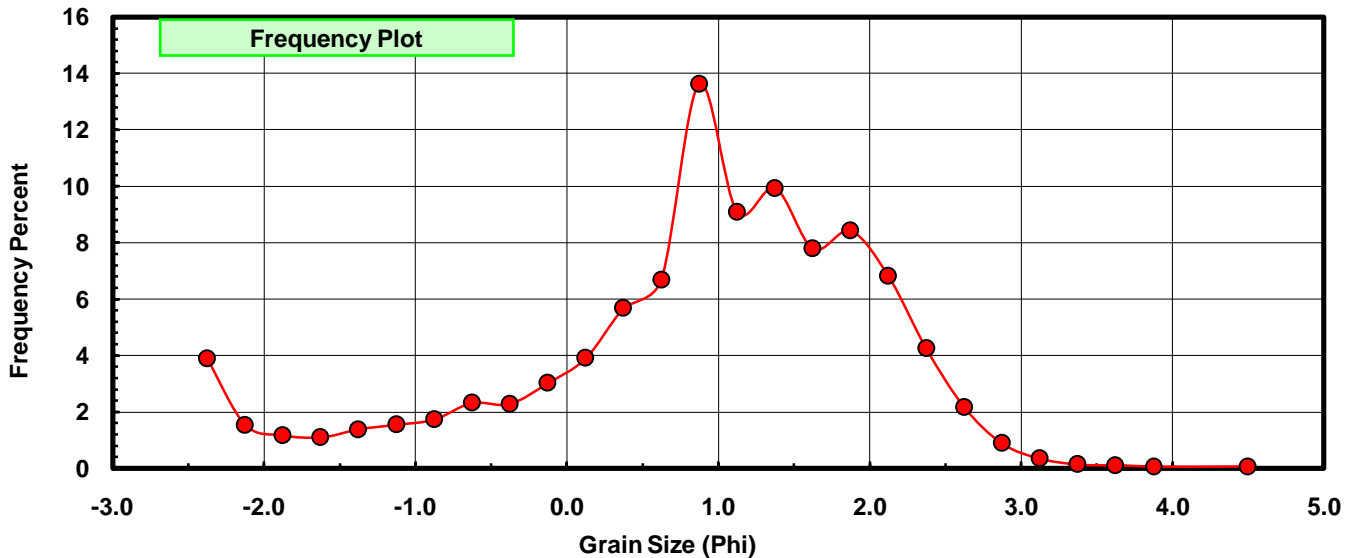
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	1.948	3.899	3.899
-2.00	-2.125	0.768	1.537	5.436
-1.75	-1.875	0.584	1.169	6.605
-1.50	-1.625	0.550	1.101	7.706
-1.25	-1.375	0.690	1.381	9.087
-1.00	-1.125	0.775	1.551	10.638
-0.75	-0.875	0.867	1.735	12.374
-0.50	-0.625	1.159	2.320	14.693
-0.25	-0.375	1.140	2.282	16.975
0.00	-0.125	1.512	3.026	20.002
0.25	0.125	1.951	3.905	23.907
0.50	0.375	2.836	5.676	29.583
0.75	0.625	3.344	6.693	36.276
1.00	0.875	6.810	13.631	49.907
1.25	1.125	4.544	9.095	59.002
1.50	1.375	4.961	9.930	68.932
1.75	1.625	3.892	7.790	76.722
2.00	1.875	4.210	8.427	85.148
2.25	2.125	3.406	6.817	91.966
2.50	2.375	2.124	4.251	96.217
2.75	2.625	1.086	2.174	98.391
3.00	2.875	0.446	0.893	99.283
3.25	3.125	0.176	0.352	99.636
3.50	3.375	0.069	0.138	99.774
3.75	3.625	0.053	0.106	99.880
4.00	3.875	0.029	0.058	99.938
5.00	4.50	0.031	0.062	100.000

Statistical Results			
Mean:	0.8203	phi	(0.5663 mm)
Standard Dev:	1.2612	phi-units	(0.4172 mm)
Skewness:	-0.8851	dimensionless	
Kurtosis:	3.4166	dimensionless	
5th Moment:	-5.7444	dimensionless	
6th Moment:	17.0895	dimensionless	
RARD *	1.5375	dimensionless	
Median	0.8776	phi	(0.5443 mm)

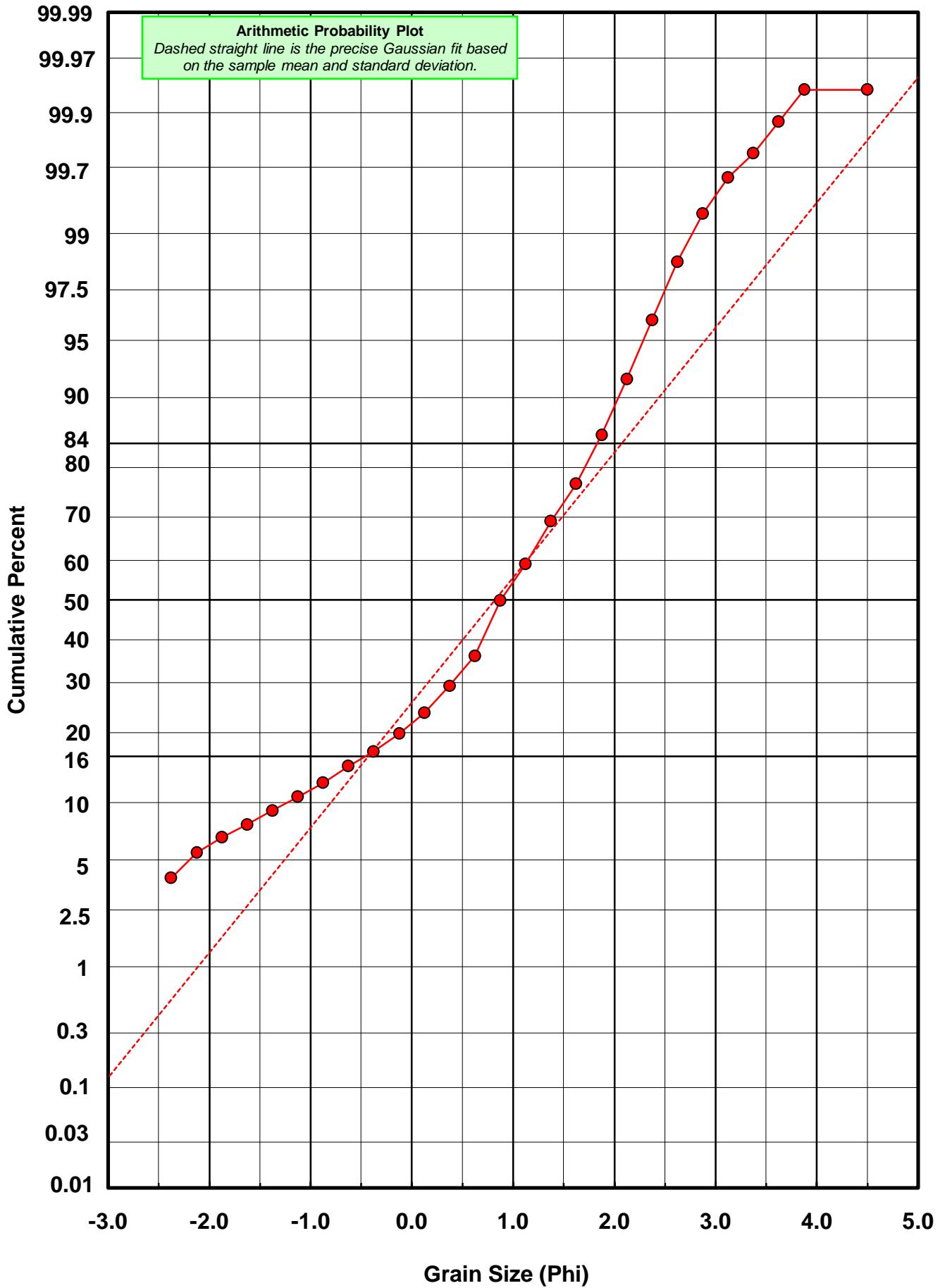
* RARD = reciprocal absolute relative dispersion (see below)

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-26



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: LE-26

Total Carbonate Mass: 41.494 grams

% Carbonate: 83.1 %

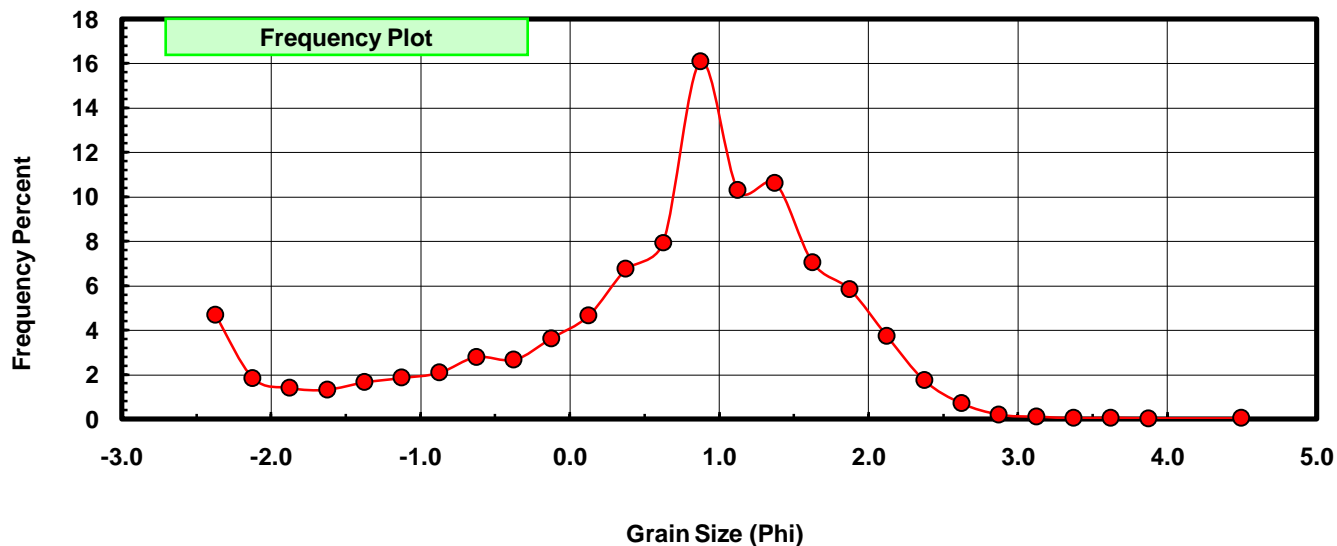
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	1.948	4.695	4.695
-2.00	-2.125	0.768	1.851	6.546
-1.75	-1.875	0.584	1.407	7.953
-1.50	-1.625	0.550	1.325	9.278
-1.25	-1.375	0.690	1.663	10.941
-1.00	-1.125	0.775	1.868	12.809
-0.75	-0.875	0.867	2.089	14.899
-0.50	-0.625	1.159	2.793	17.692
-0.25	-0.375	1.110	2.675	20.367
0.00	-0.125	1.507	3.632	23.999
0.25	0.125	1.932	4.656	28.655
0.50	0.375	2.806	6.762	35.417
0.75	0.625	3.303	7.960	43.377
1.00	0.875	6.675	16.087	59.464
1.25	1.125	4.273	10.298	69.762
1.50	1.375	4.413	10.635	80.397
1.75	1.625	2.930	7.061	87.458
2.00	1.875	2.419	5.830	93.288
2.25	2.125	1.548	3.731	97.019
2.50	2.375	0.724	1.745	98.764
2.75	2.625	0.293	0.706	99.470
3.00	2.875	0.086	0.207	99.677
3.25	3.125	0.049	0.118	99.795
3.50	3.375	0.018	0.043	99.839
3.75	3.625	0.028	0.067	99.906
4.00	3.875	0.016	0.039	99.945
5.00	4.500	0.023	0.055	100.000

Statistical Results			
Mean:	0.5717	phi	(0.6728 mm)
Standard Dev:	1.2209	phi-units	(0.429 mm)
Skewness:	-0.8796	dimensionless	
Kurtosis:	3.2813	dimensionless	
5th Moment:	-5.0879	dimensionless	
6th Moment:	15.4708	dimensionless	
RARD *	2.1356	dimensionless	
Median	0.7279	phi	(0.6038 mm)

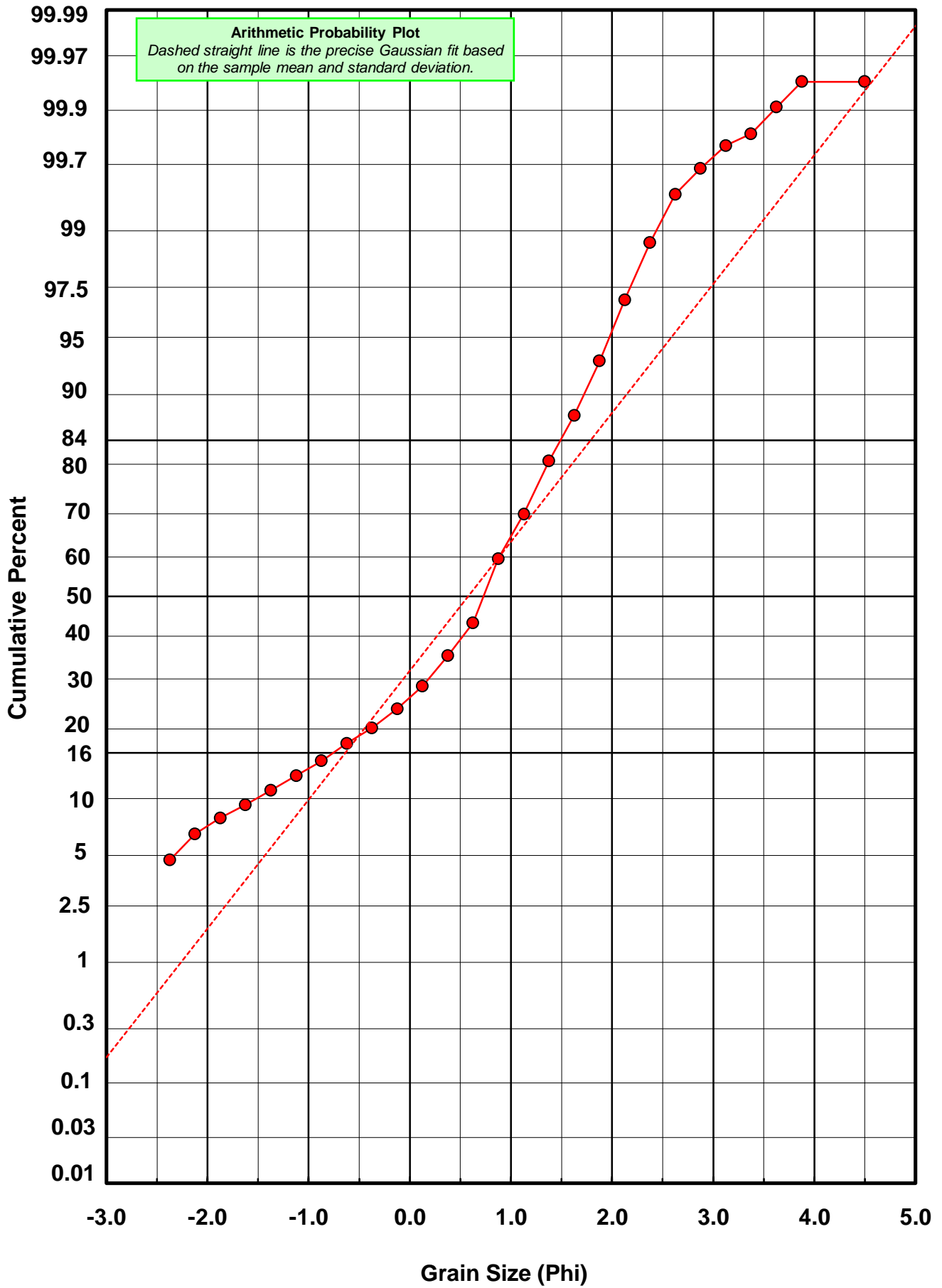
* RARD = reciprocal absolute relative dispersion (see below)

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-26

Total Digested Mass: 8.467 grams

% Silica: 16.9 %

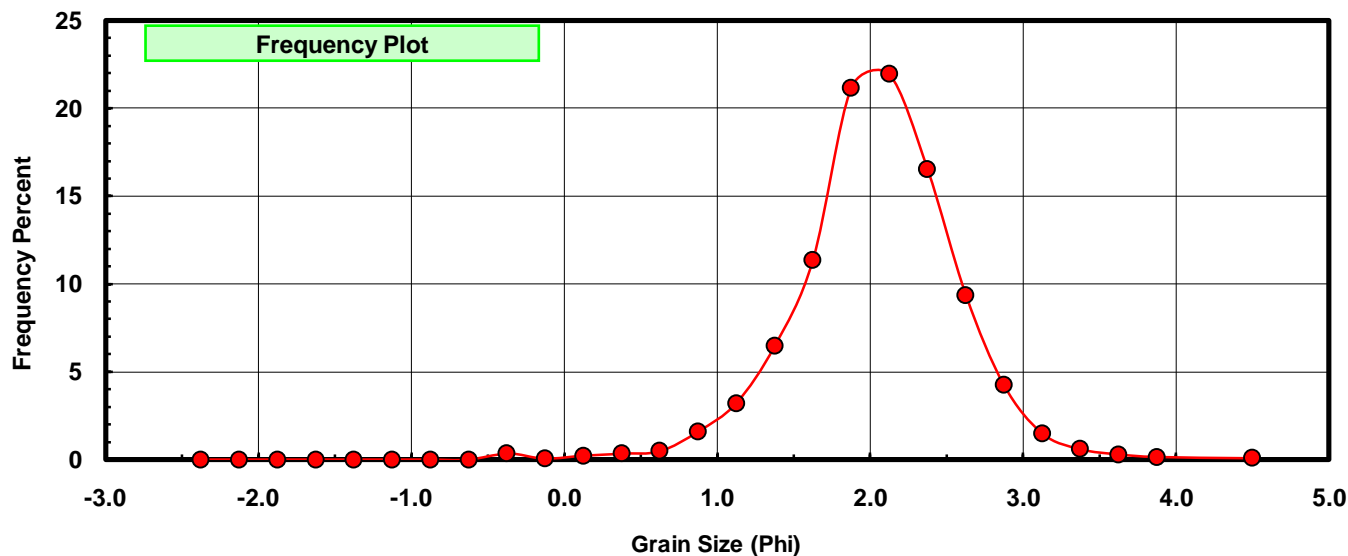
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.030	0.354	0.354
0.00	-0.125	0.005	0.059	0.413
0.25	0.125	0.019	0.224	0.638
0.50	0.375	0.030	0.354	0.992
0.75	0.625	0.041	0.484	1.476
1.00	0.875	0.135	1.594	3.071
1.25	1.125	0.271	3.201	6.271
1.50	1.375	0.548	6.472	12.744
1.75	1.625	0.962	11.362	24.105
2.00	1.875	1.791	21.153	45.258
2.25	2.125	1.858	21.944	67.202
2.50	2.375	1.400	16.535	83.737
2.75	2.625	0.793	9.366	93.103
3.00	2.875	0.360	4.252	97.354
3.25	3.125	0.127	1.500	98.854
3.50	3.375	0.051	0.602	99.457
3.75	3.625	0.025	0.295	99.752
4.00	3.875	0.013	0.154	99.906
5.00	4.500	0.008	0.094	100.000

Statistical Results			
Mean:	2.0386	phi	(0.2434 mm)
Standard Dev:	0.5656	phi-units	(0.6757 mm)
Skewness:	-0.3745	dimensionless	
Kurtosis:	4.6796	dimensionless	
5th Moment:	-5.7288	dimensionless	
6th Moment:	49.9899	dimensionless	
RARD *	0.2774	dimensionless	
Median	1.9290	phi	(0.2626 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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