

Onshore Grab Sample

Sample: LE-15
Sample Taken By: D. Phelps
Sample Collected On: 11/7/09
Splits? N/A

County: Lee
Latitude: 26° 36' 16"
Longitude: 82° 13' 23.1"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 57.08 grams
Total Fines in Sample 0.173 grams
Total Percent Fines 0.30 %

Dry Sieving Summary

Total Sample Weight 56.960 grams
Total Digested Weight 32.524 grams
Total Carbonate Weight 24.436 grams
Total Silica % 57.10 %
Total Carbonate % 42.90 %
Carbonate/Silica Ratio 0.751

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-15

Total Sample Mass: 56.960 grams

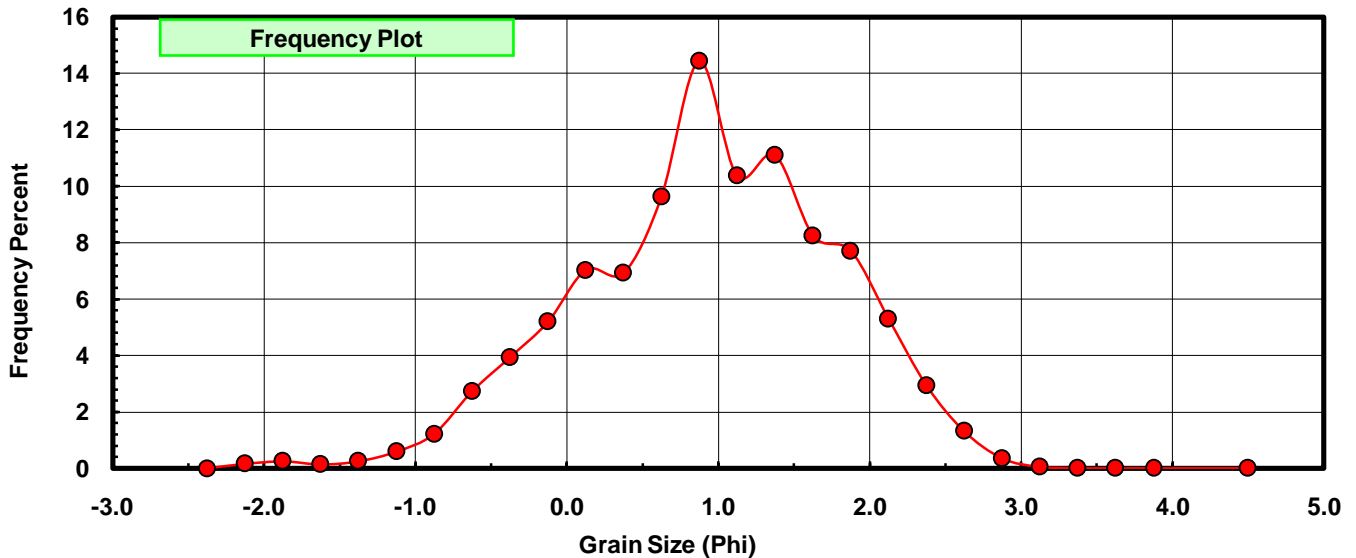
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.093	0.163	0.163
-1.75	-1.875	0.147	0.258	0.421
-1.50	-1.625	0.081	0.142	0.564
-1.25	-1.375	0.145	0.255	0.818
-1.00	-1.125	0.343	0.602	1.420
-0.75	-0.875	0.695	1.220	2.640
-0.50	-0.625	1.557	2.733	5.374
-0.25	-0.375	2.244	3.940	9.314
0.00	-0.125	2.962	5.200	14.514
0.25	0.125	4.005	7.031	21.545
0.50	0.375	3.949	6.933	28.478
0.75	0.625	5.483	9.626	38.104
1.00	0.875	8.226	14.442	52.546
1.25	1.125	5.912	10.379	62.925
1.50	1.375	6.326	11.106	74.031
1.75	1.625	4.702	8.255	82.286
2.00	1.875	4.389	7.705	89.991
2.25	2.125	3.023	5.307	95.298
2.50	2.375	1.677	2.944	98.243
2.75	2.625	0.756	1.327	99.570
3.00	2.875	0.201	0.353	99.923
3.25	3.125	0.031	0.054	99.977
3.50	3.375	0.005	0.009	99.986
3.75	3.625	0.001	0.002	99.988
4.00	3.875	0.003	0.005	99.993
5.00	4.50	0.004	0.007	100.000

Statistical Results			
Mean:	0.9297	phi	(0.5249 mm)
Standard Dev:	0.8554	phi-units	(0.5527 mm)
Skewness:	-0.3242	dimensionless	
Kurtosis:	2.9664	dimensionless	
5th Moment:	-3.0809	dimensionless	
6th Moment:	16.0244	dimensionless	
RARD *	0.9201	dimensionless	
Median	0.8309	phi	(0.5622 mm)

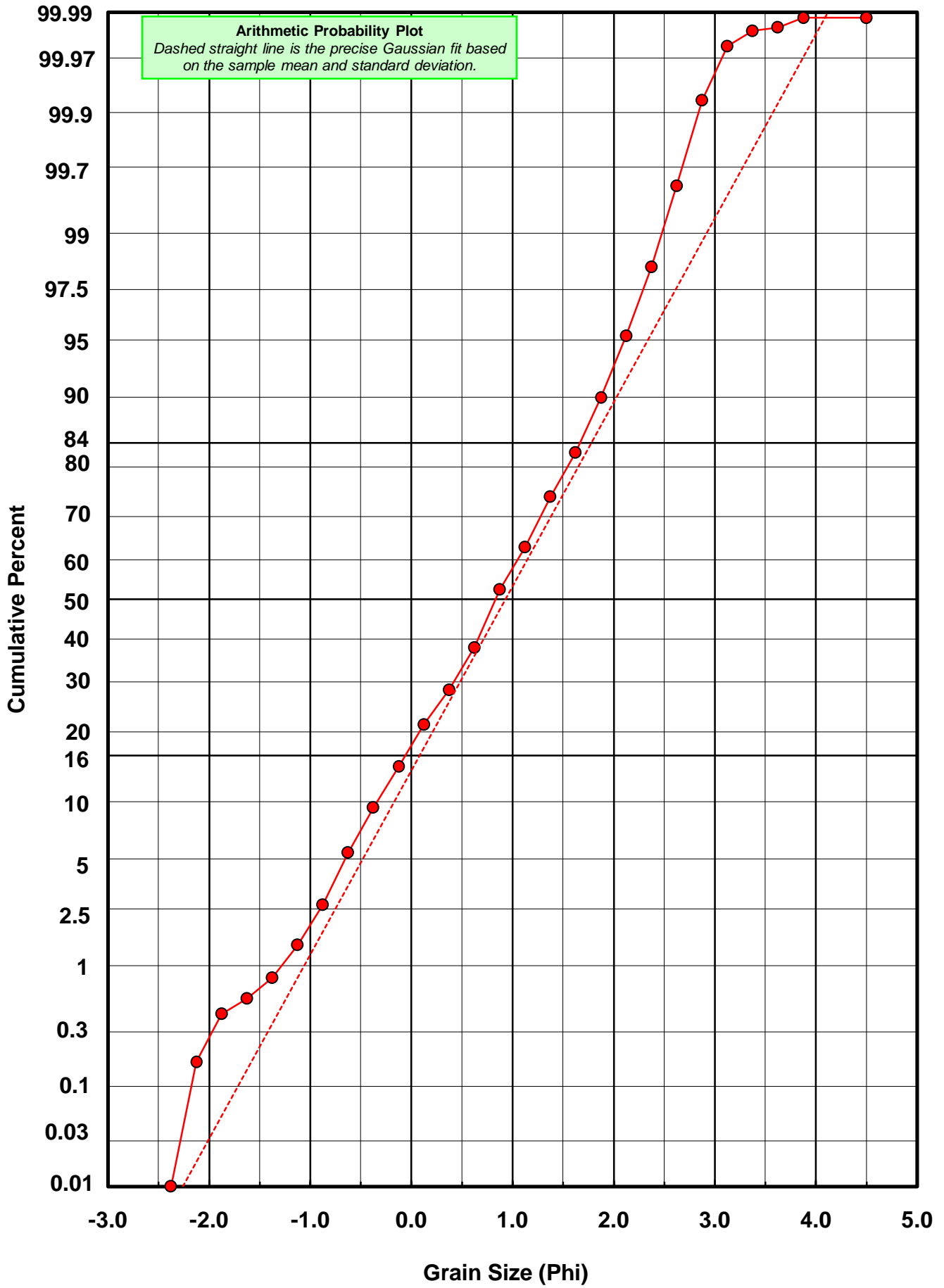
* RARD = reciprocal absolute relative dispersion (see below)

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-15



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: LE-15

Total Carbonate Mass: 24.611 grams

% Carbonate: 42.9 %

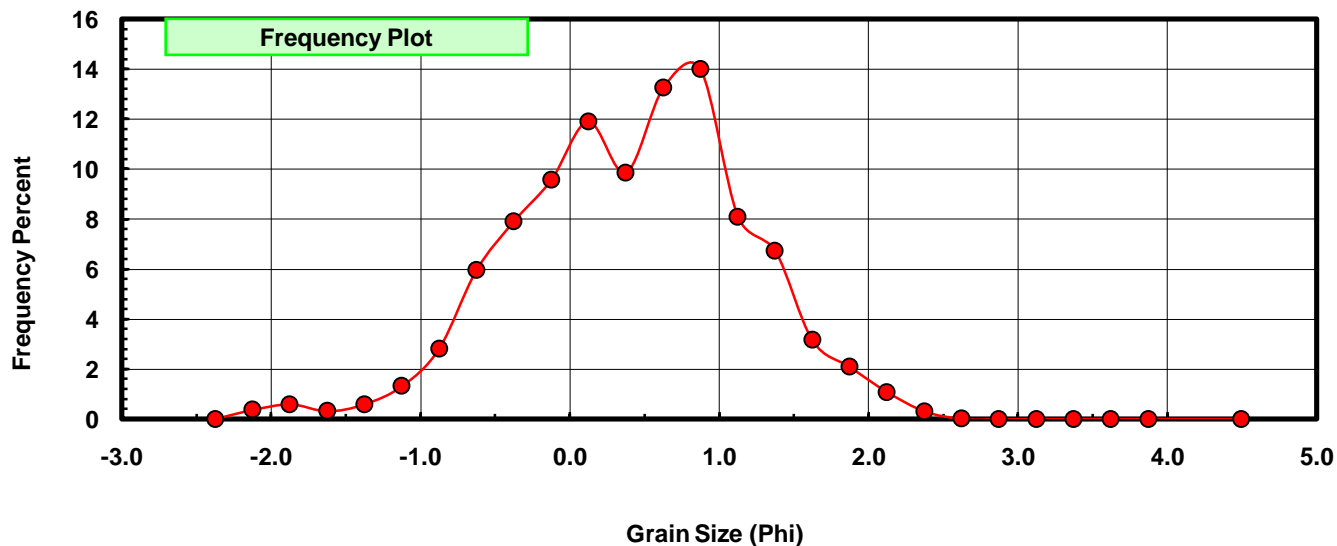
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.093	0.378	0.378
-1.75	-1.875	0.147	0.597	0.975
-1.50	-1.625	0.081	0.329	1.304
-1.25	-1.375	0.145	0.589	1.893
-1.00	-1.125	0.326	1.325	3.218
-0.75	-0.875	0.695	2.824	6.042
-0.50	-0.625	1.467	5.961	12.003
-0.25	-0.375	1.948	7.915	19.918
0.00	-0.125	2.355	9.569	29.487
0.25	0.125	2.929	11.901	41.388
0.50	0.375	2.427	9.861	51.249
0.75	0.625	3.261	13.250	64.500
1.00	0.875	3.446	14.002	78.501
1.25	1.125	1.993	8.098	86.599
1.50	1.375	1.659	6.741	93.340
1.75	1.625	0.779	3.165	96.506
2.00	1.875	0.514	2.088	98.594
2.25	2.125	0.266	1.081	99.675
2.50	2.375	0.076	0.309	99.984
2.75	2.625	0.004	0.016	100.000
3.00	2.875	0.000	0.000	100.000
3.25	3.125	0.000	0.000	100.000
3.50	3.375	0.000	0.000	100.000
3.75	3.625	0.000	0.000	100.000
4.00	3.875	0.000	0.000	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	0.4111	phi	(0.752 mm)
Standard Dev:	0.7856	phi-units	(0.5801 mm)
Skewness:	-0.2535	dimensionless	
Kurtosis:	2.9778	dimensionless	
5th Moment:	-2.6018	dimensionless	
6th Moment:	15.6201	dimensionless	
RARD *	1.9110	dimensionless	
Median	0.3433	phi	(0.7882 mm)

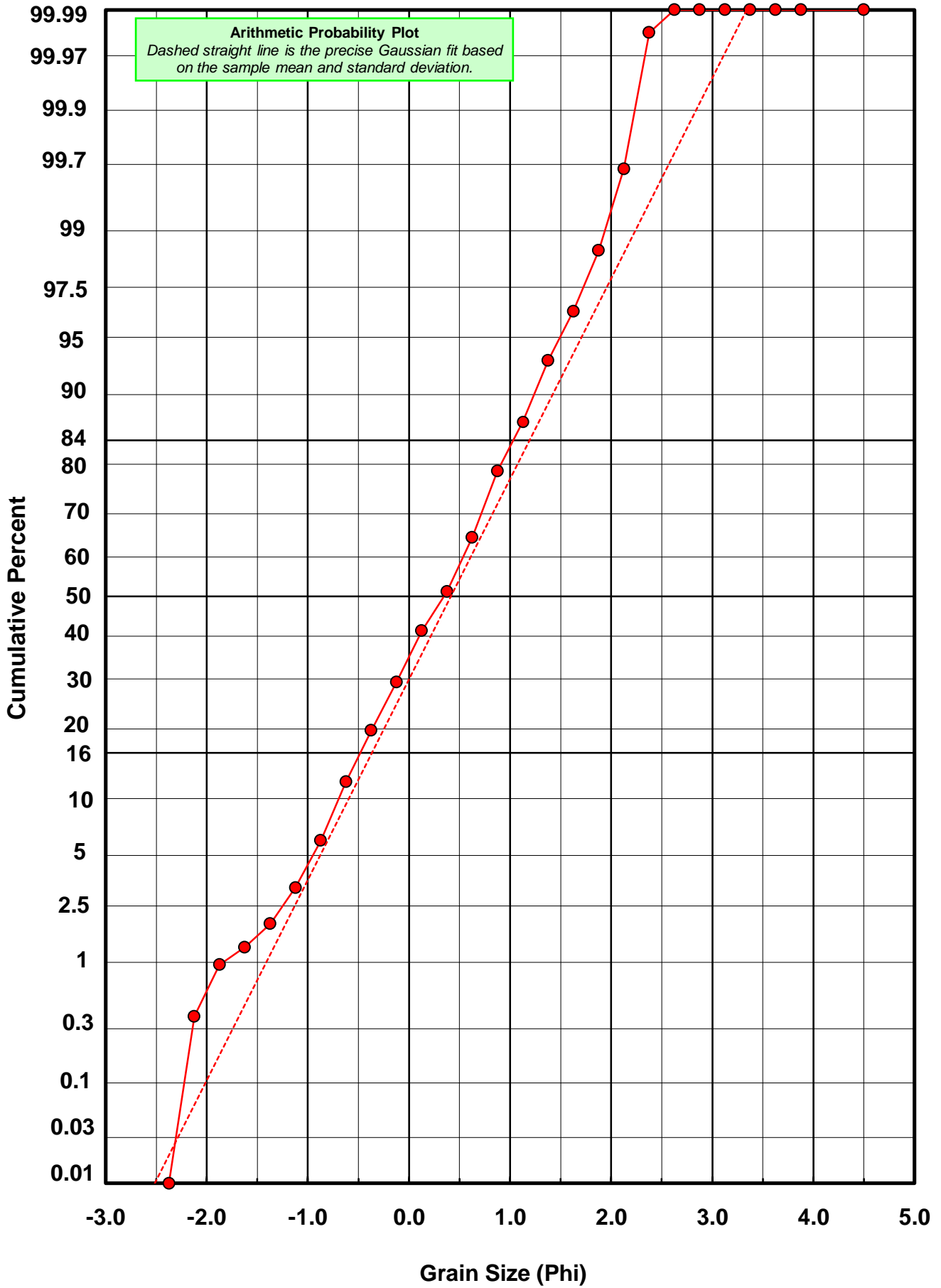
* RARD = reciprocal absolute relative dispersion (see below)

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	
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Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-15

Total Digested Mass: 32.524 grams

% Silica: 57.1 %

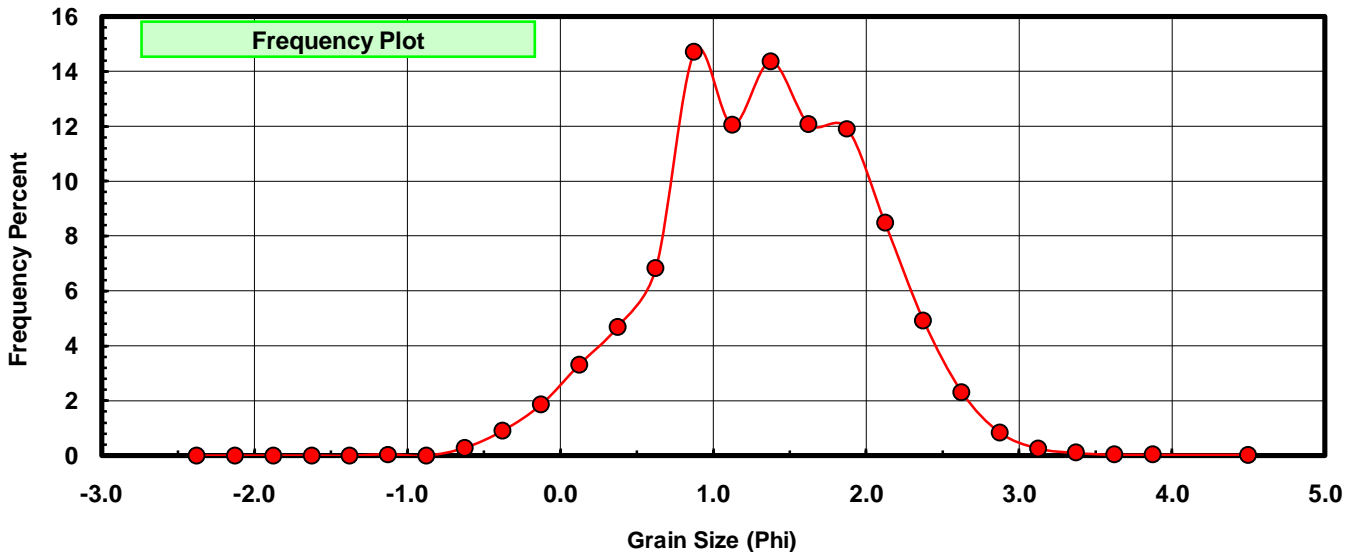
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.017	0.052	0.052
-0.75	-0.875	0.000	0.000	0.052
-0.50	-0.625	0.090	0.277	0.329
-0.25	-0.375	0.296	0.910	1.239
0.00	-0.125	0.607	1.866	3.105
0.25	0.125	1.076	3.308	6.414
0.50	0.375	1.522	4.680	11.093
0.75	0.625	2.222	6.832	17.925
1.00	0.875	4.780	14.697	32.622
1.25	1.125	3.919	12.050	44.672
1.50	1.375	4.667	14.349	59.021
1.75	1.625	3.923	12.062	71.083
2.00	1.875	3.875	11.914	82.997
2.25	2.125	2.757	8.477	91.474
2.50	2.375	1.601	4.923	96.397
2.75	2.625	0.752	2.312	98.709
3.00	2.875	0.273	0.839	99.548
3.25	3.125	0.084	0.258	99.806
3.50	3.375	0.033	0.101	99.908
3.75	3.625	0.013	0.040	99.948
4.00	3.875	0.010	0.031	99.978
5.00	4.500	0.007	0.022	100.000

Statistical Results			
Mean:	1.3341	phi	(0.3966 mm)
Standard Dev:	0.6971	phi-units	(0.6168 mm)
Skewness:	-0.0963	dimensionless	
Kurtosis:	2.8822	dimensionless	
5th Moment:	-0.4026	dimensionless	
6th Moment:	14.8403	dimensionless	
RARD *	0.5225	dimensionless	
Median	1.2178	phi	(0.4299 mm)

* RARD = reciprocal absolute relative dispersion (see below)

Statistical Explanation	
Calculations based on the Method of Moments	
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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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