

Onshore Grab Sample

Sample: LE-13
Sample Taken By: D. Phelps
Sample Collected On: 11/8/09
Splits? N/A

County: Lee
Latitude: 26° 37' 36.5"
Longitude: 82° 13' 38.9"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 64.004 grams
Total Fines in Sample 0.166 grams
Total Percent Fines 0.26 %

Dry Sieving Summary

Total Sample Weight 63.980 grams
Total Digested Weight 33.418 grams
Total Carbonate Weight 30.562 grams
Total Silica % 52.23 %
Total Carbonate % 47.77 %
Carbonate/Silica Ratio 0.915

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-13

Total Sample Mass: 63.980 grams

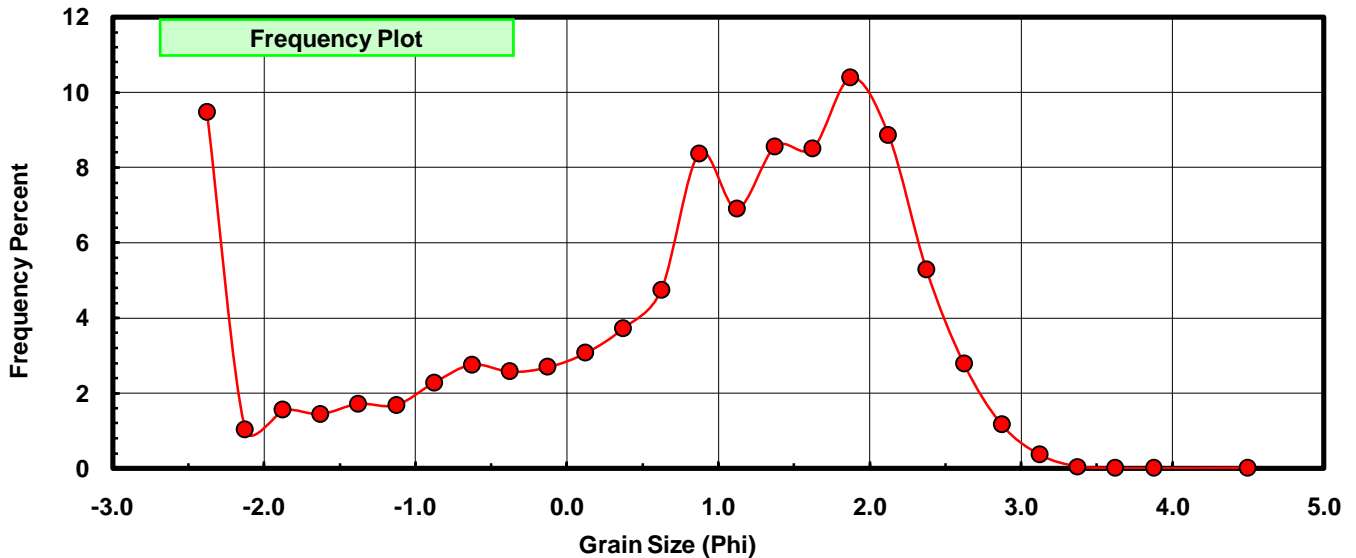
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	6.062	9.475	9.475
-2.00	-2.125	0.659	1.030	10.505
-1.75	-1.875	0.994	1.554	12.058
-1.50	-1.625	0.923	1.443	13.501
-1.25	-1.375	1.095	1.711	15.213
-1.00	-1.125	1.077	1.683	16.896
-0.75	-0.875	1.456	2.276	19.172
-0.50	-0.625	1.763	2.756	21.927
-0.25	-0.375	1.645	2.571	24.498
0.00	-0.125	1.722	2.691	27.190
0.25	0.125	1.964	3.070	30.259
0.50	0.375	2.382	3.723	33.982
0.75	0.625	3.037	4.747	38.729
1.00	0.875	5.356	8.371	47.101
1.25	1.125	4.416	6.902	54.003
1.50	1.375	5.476	8.559	62.562
1.75	1.625	5.442	8.506	71.068
2.00	1.875	6.648	10.391	81.458
2.25	2.125	5.673	8.867	90.325
2.50	2.375	3.386	5.292	95.617
2.75	2.625	1.778	2.779	98.396
3.00	2.875	0.745	1.164	99.561
3.25	3.125	0.230	0.359	99.920
3.50	3.375	0.033	0.052	99.972
3.75	3.625	0.006	0.009	99.981
4.00	3.875	0.003	0.005	99.986
5.00	4.50	0.009	0.014	100.000

Statistical Results			
Mean:	0.6917	phi	(0.6191 mm)
Standard Dev:	1.5088	phi-units	(0.3514 mm)
Skewness:	-0.7914	dimensionless	
Kurtosis:	2.5124	dimensionless	
5th Moment:	-3.6562	dimensionless	
6th Moment:	8.5755	dimensionless	
RARD *	2.1815	dimensionless	
Median	0.9800	phi	(0.507 mm)

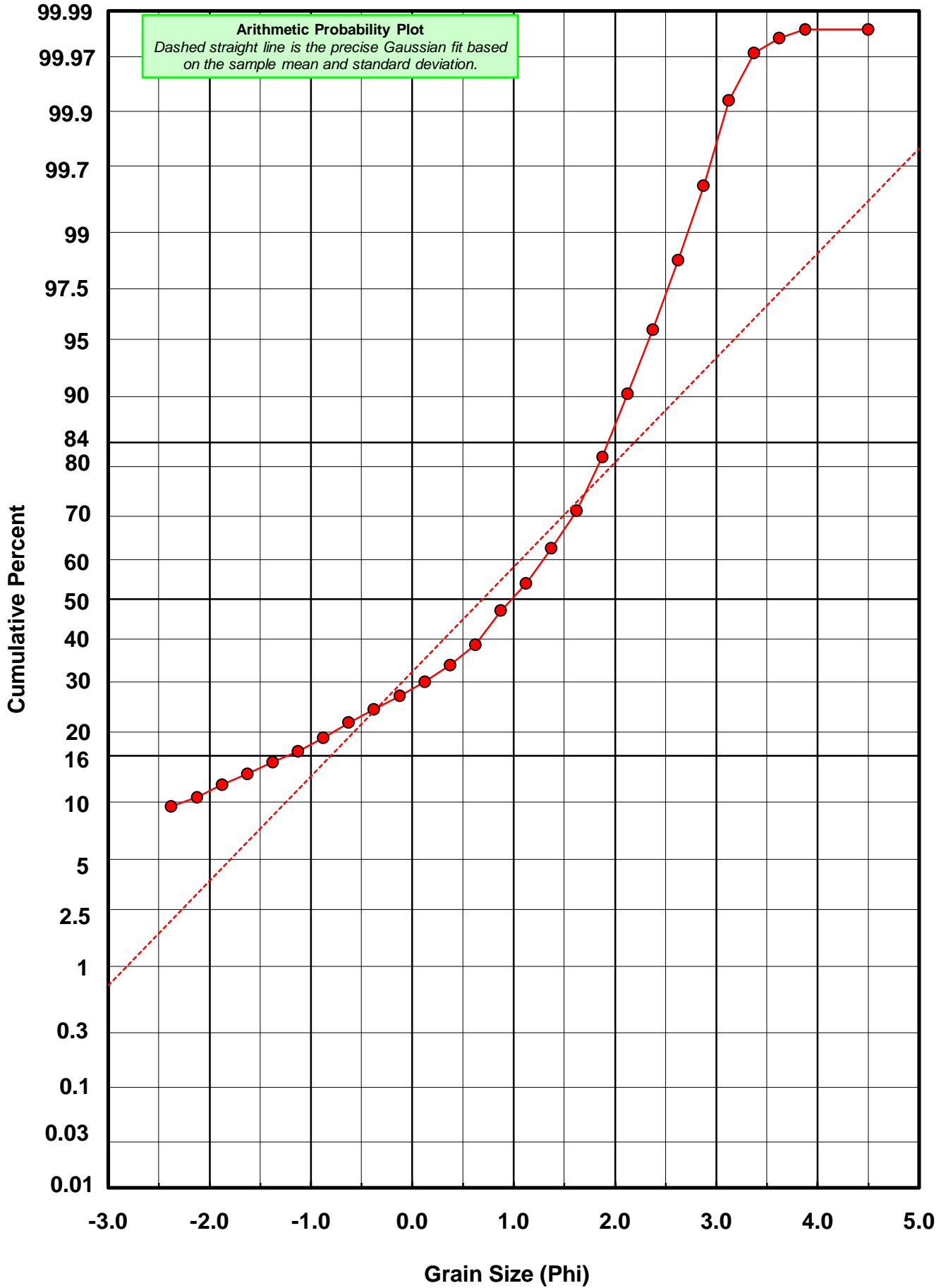
* RARD = reciprocal absolute relative dispersion (see below)

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-13



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: LE-13

Total Carbonate Mass: 30.631 grams

% Carbonate: 47.8 %

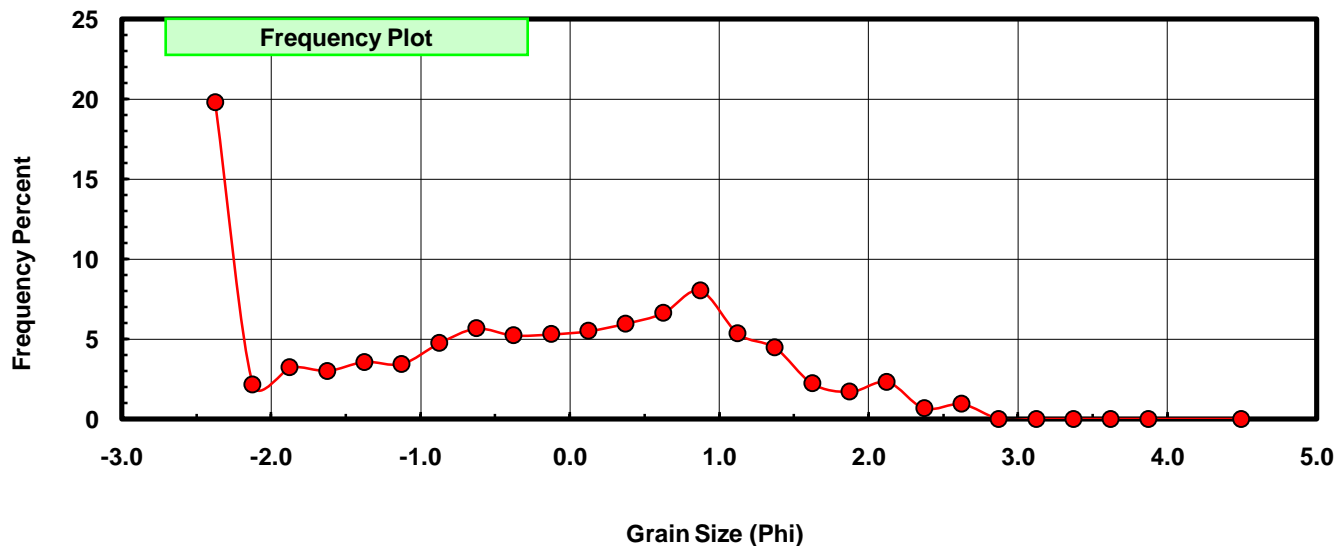
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	6.062	19.790	19.790
-2.00	-2.125	0.659	2.151	21.942
-1.75	-1.875	0.994	3.245	25.187
-1.50	-1.625	0.923	3.013	28.200
-1.25	-1.375	1.095	3.575	31.775
-1.00	-1.125	1.057	3.451	35.226
-0.75	-0.875	1.456	4.753	39.979
-0.50	-0.625	1.734	5.661	45.640
-0.25	-0.375	1.601	5.227	50.867
0.00	-0.125	1.626	5.308	56.175
0.25	0.125	1.686	5.504	61.679
0.50	0.375	1.828	5.968	67.647
0.75	0.625	2.028	6.621	74.268
1.00	0.875	2.459	8.028	82.296
1.25	1.125	1.639	5.351	87.647
1.50	1.375	1.366	4.460	92.106
1.75	1.625	0.684	2.233	94.339
2.00	1.875	0.526	1.717	96.056
2.25	2.125	0.711	2.321	98.377
2.50	2.375	0.205	0.669	99.047
2.75	2.625	0.290	0.947	99.993
3.00	2.875	0.000	0.000	99.993
3.25	3.125	0.001	0.003	99.997
3.50	3.375	0.000	0.000	99.997
3.75	3.625	0.000	0.000	99.997
4.00	3.875	0.000	0.000	99.997
5.00	4.500	0.001	0.003	100.000

Statistical Results			
Mean:	-0.3955	phi	(1.3154 mm)
Standard Dev:	1.4398	phi-units	(0.3686 mm)
Skewness:	0.0041	dimensionless	
Kurtosis:	1.8048	dimensionless	
5th Moment:	0.4340	dimensionless	
6th Moment:	4.1747	dimensionless	
RARD *	3.6402	dimensionless	
Median	-0.4165	phi	(1.3346 mm)

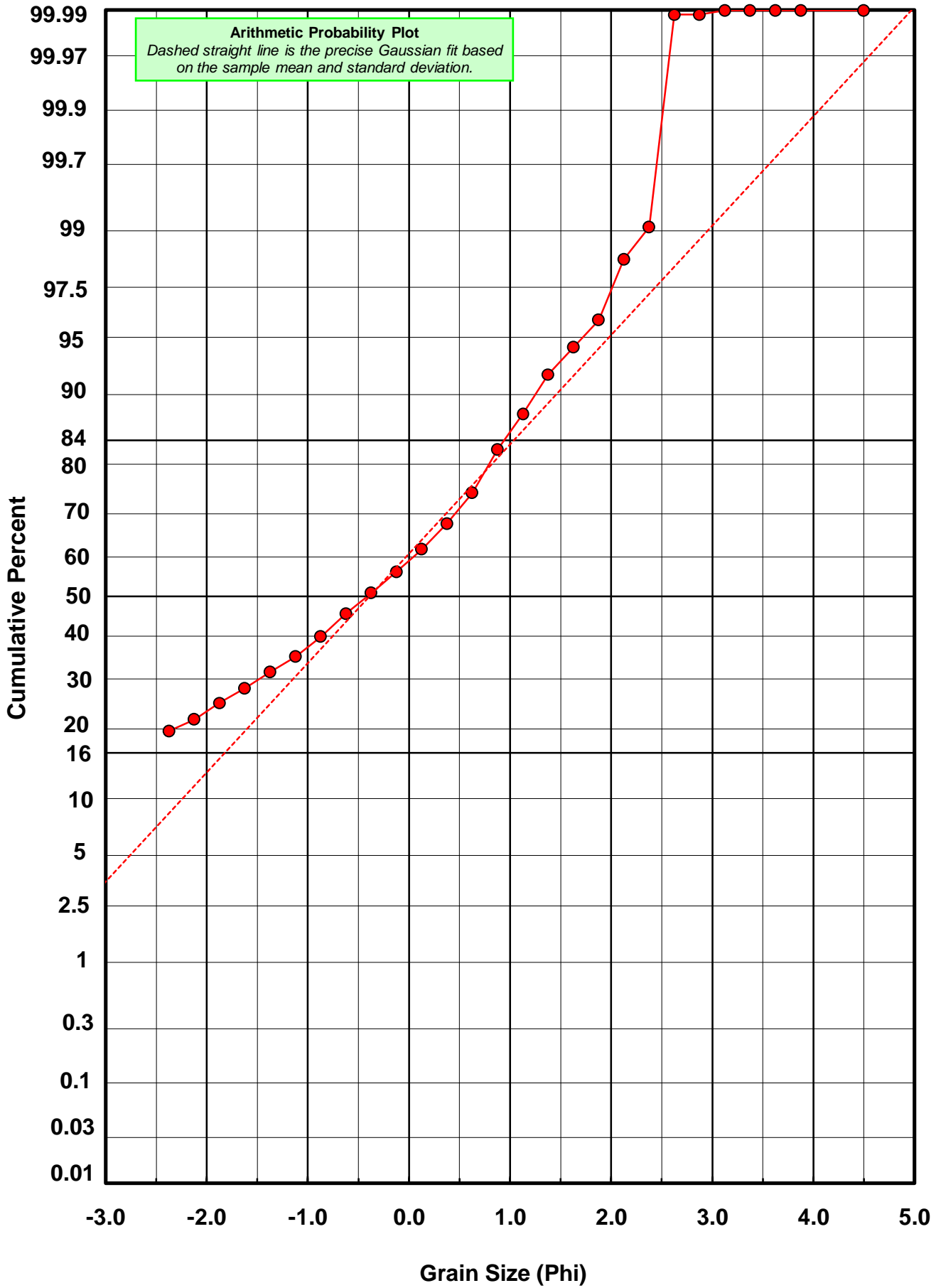
* RARD = reciprocal absolute relative dispersion (see below)

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-13

Total Digested Mass: 33.418 grams

% Silica: 52.2 %

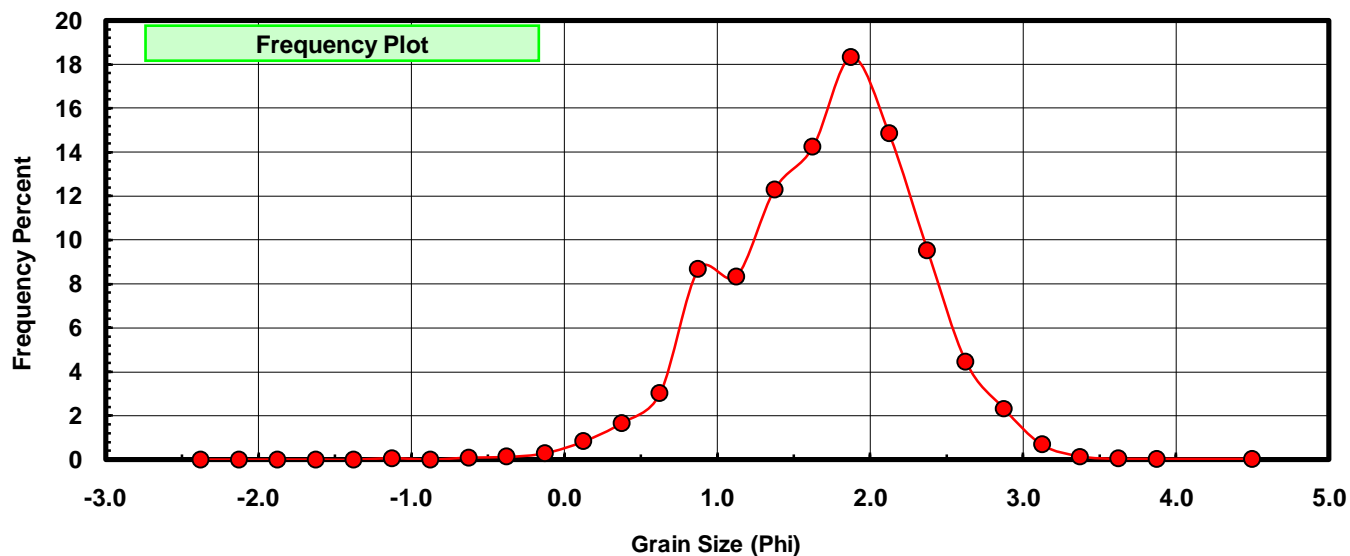
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.020	0.060	0.060
-0.75	-0.875	0.000	0.000	0.060
-0.50	-0.625	0.029	0.087	0.147
-0.25	-0.375	0.044	0.132	0.278
0.00	-0.125	0.096	0.287	0.566
0.25	0.125	0.278	0.832	1.397
0.50	0.375	0.554	1.658	3.055
0.75	0.625	1.009	3.019	6.075
1.00	0.875	2.897	8.669	14.744
1.25	1.125	2.777	8.310	23.053
1.50	1.375	4.110	12.299	35.352
1.75	1.625	4.758	14.238	49.590
2.00	1.875	6.122	18.319	67.910
2.25	2.125	4.962	14.848	82.758
2.50	2.375	3.181	9.519	92.277
2.75	2.625	1.488	4.453	96.729
3.00	2.875	0.781	2.337	99.066
3.25	3.125	0.229	0.685	99.752
3.50	3.375	0.051	0.153	99.904
3.75	3.625	0.014	0.042	99.946
4.00	3.875	0.010	0.030	99.976
5.00	4.500	0.008	0.024	100.000

Statistical Results			
Mean:	1.6934	phi	(0.3092 mm)
Standard Dev:	0.6249	phi-units	(0.6485 mm)
Skewness:	-0.2969	dimensionless	
Kurtosis:	3.2481	dimensionless	
5th Moment:	-2.8652	dimensionless	
6th Moment:	22.4112	dimensionless	
RARD *	0.3690	dimensionless	
Median	1.6306	phi	(0.323 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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