

## Onshore Grab Sample

Sample: LE-41-BB  
Sample Taken By: D. Phelps  
Sample Collected On: 1/14/10  
Splits? N/A

County: Lee  
Latitude: 26° 27' 14.6"  
Longitude: 81° 57' 29.6"  
Datum: WGS 84  
Surf. Elev: N/A  
Datum: N/A

### Fine Data Summary

Total Sample Weight	77.735 grams
Total Fines in Sample	0.448 grams
Total Percent Fines	0.57 %

### Dry Sieving Summary

Total Sample Weight	77.415 grams
Total Digested Weight	75.221 grams
Total Carbonate Weight	2.194 grams
Total Silica %	97.17 %
Total Carbonate %	2.83 %
Carbonate/Silica Ratio	0.029

### General Comments:

None

### Description

Worked By: M. Ladle

# Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-41-BB

Total Sample Mass: 77.415 grams

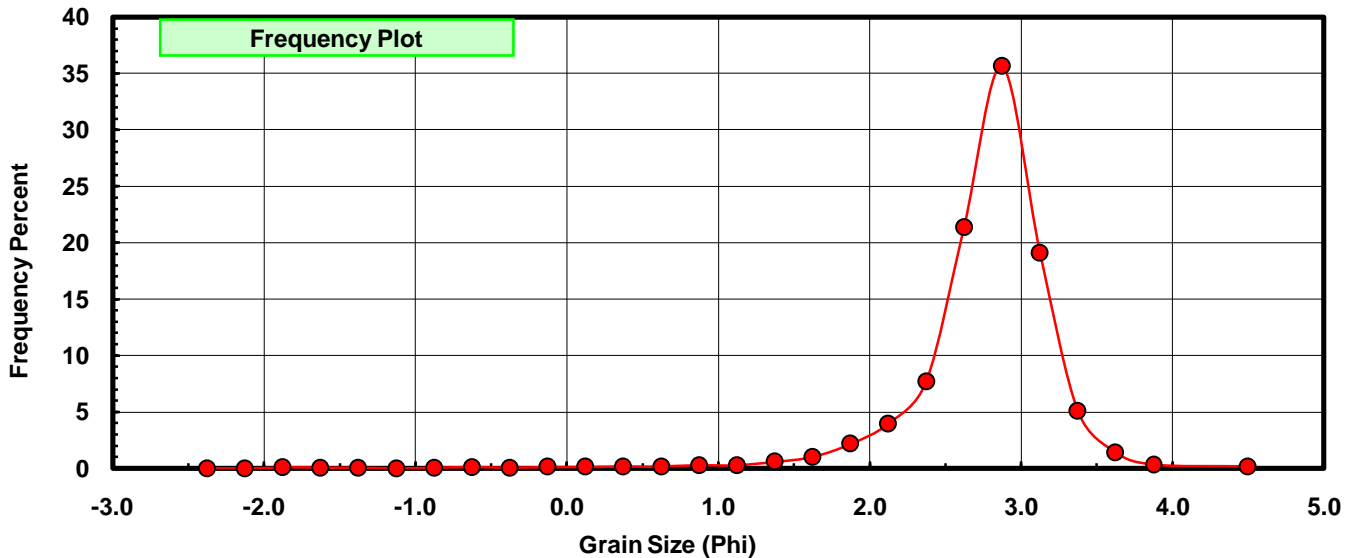
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.064	0.083	0.083
-1.50	-1.625	0.035	0.045	0.128
-1.25	-1.375	0.038	0.049	0.177
-1.00	-1.125	0.000	0.000	0.177
-0.75	-0.875	0.025	0.032	0.209
-0.50	-0.625	0.085	0.110	0.319
-0.25	-0.375	0.037	0.048	0.367
0.00	-0.125	0.099	0.128	0.495
0.25	0.125	0.101	0.130	0.625
0.50	0.375	0.118	0.152	0.778
0.75	0.625	0.123	0.159	0.937
1.00	0.875	0.219	0.283	1.219
1.25	1.125	0.219	0.283	1.502
1.50	1.375	0.450	0.581	2.084
1.75	1.625	0.787	1.017	3.100
2.00	1.875	1.685	2.177	5.277
2.25	2.125	3.072	3.968	9.245
2.50	2.375	5.960	7.699	16.944
2.75	2.625	16.552	21.381	38.325
3.00	2.875	27.591	35.640	73.965
3.25	3.125	14.762	19.069	93.034
3.50	3.375	3.928	5.074	98.108
3.75	3.625	1.091	1.409	99.517
4.00	3.875	0.245	0.316	99.833
5.00	4.50	0.129	0.167	100.000

Statistical Results			
Mean:	2.7595	phi	(0.1477 mm)
Standard Dev:	0.5043	phi-units	(0.705 mm)
Skewness:	-2.8923	dimensionless	
Kurtosis:	20.7744	dimensionless	
5th Moment:	-144.7013	dimensionless	
6th Moment:	1146.8060	dimensionless	
RARD *	0.1828	dimensionless	
Median	2.7069	phi	(0.1532 mm)

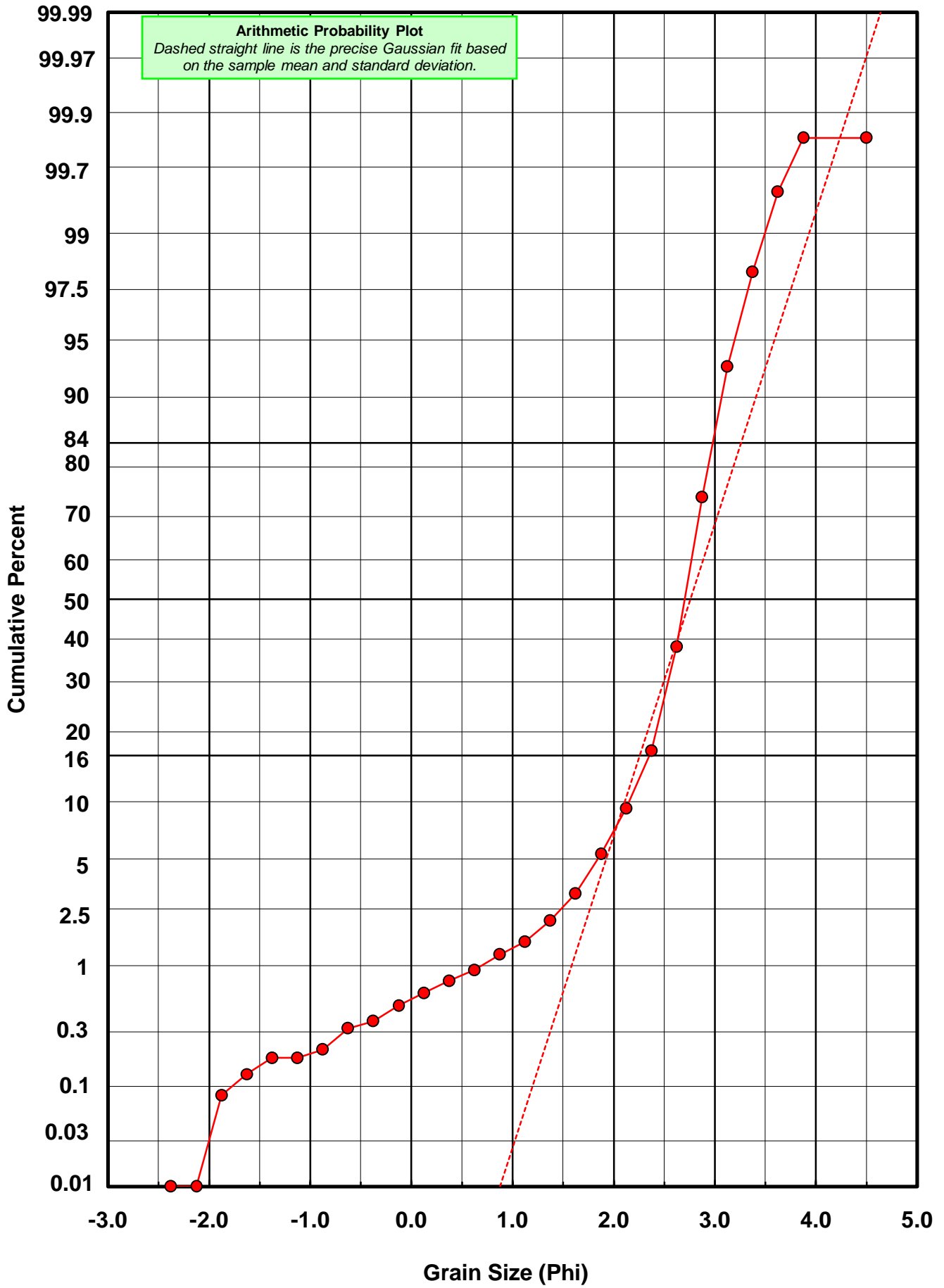
\* RARD = reciprocal absolute relative dispersion (see below)

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-41-BB



# Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: LE-41-BB

Total Carbonate Mass: 9.320 grams

% Carbonate: 2.8 %

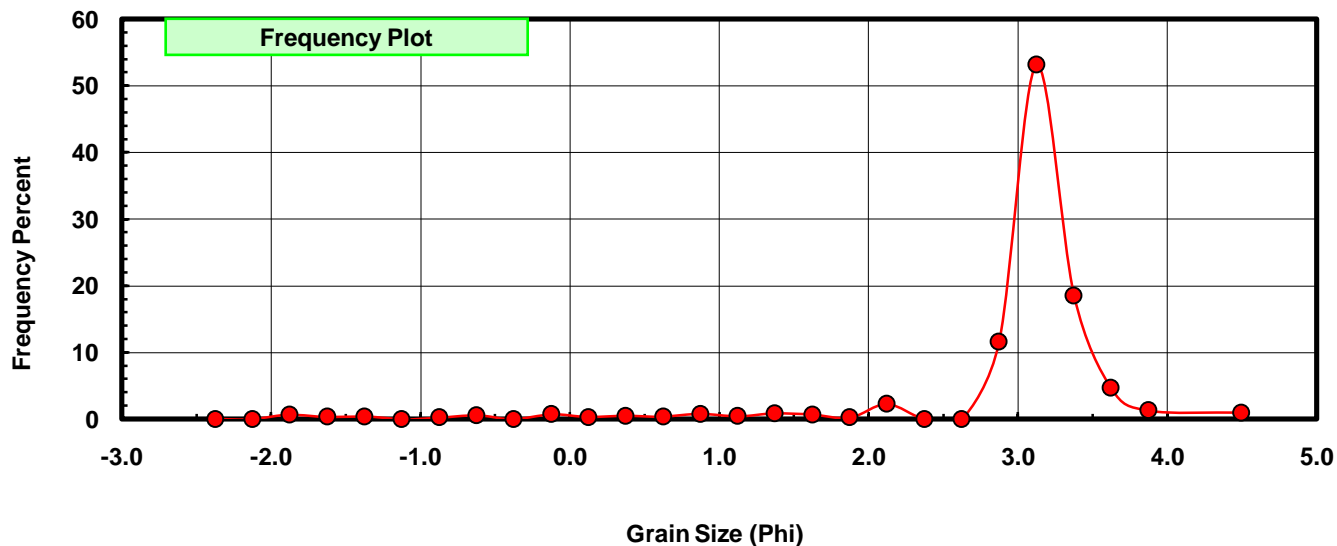
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.064	0.687	0.687
-1.50	-1.625	0.035	0.376	1.062
-1.25	-1.375	0.038	0.408	1.470
-1.00	-1.125	0.000	0.000	1.470
-0.75	-0.875	0.025	0.268	1.738
-0.50	-0.625	0.055	0.590	2.328
-0.25	-0.375	0.000	0.000	2.328
0.00	-0.125	0.067	0.719	3.047
0.25	0.125	0.030	0.322	3.369
0.50	0.375	0.048	0.515	3.884
0.75	0.625	0.037	0.397	4.281
1.00	0.875	0.075	0.805	5.086
1.25	1.125	0.041	0.440	5.526
1.50	1.375	0.083	0.891	6.416
1.75	1.625	0.066	0.708	7.124
2.00	1.875	0.023	0.247	7.371
2.25	2.125	0.212	2.275	9.646
2.50	2.375	0.000	0.000	9.646
2.75	2.625	0.000	0.000	9.646
3.00	2.875	1.086	11.652	21.298
3.25	3.125	4.955	53.165	74.464
3.50	3.375	1.730	18.562	93.026
3.75	3.625	0.435	4.667	97.693
4.00	3.875	0.122	1.309	99.002
5.00	4.500	0.093	0.998	100.000

Statistical Results			
Mean:	2.9497	phi	(0.1294 mm)
Standard Dev:	0.9394	phi-units	(0.5215 mm)
Skewness:	-3.2246	dimensionless	
Kurtosis:	14.2294	dimensionless	
5th Moment:	-62.9584	dimensionless	
6th Moment:	292.4787	dimensionless	
RARD *	0.3185	dimensionless	
Median	3.0100	phi	(0.1241 mm)

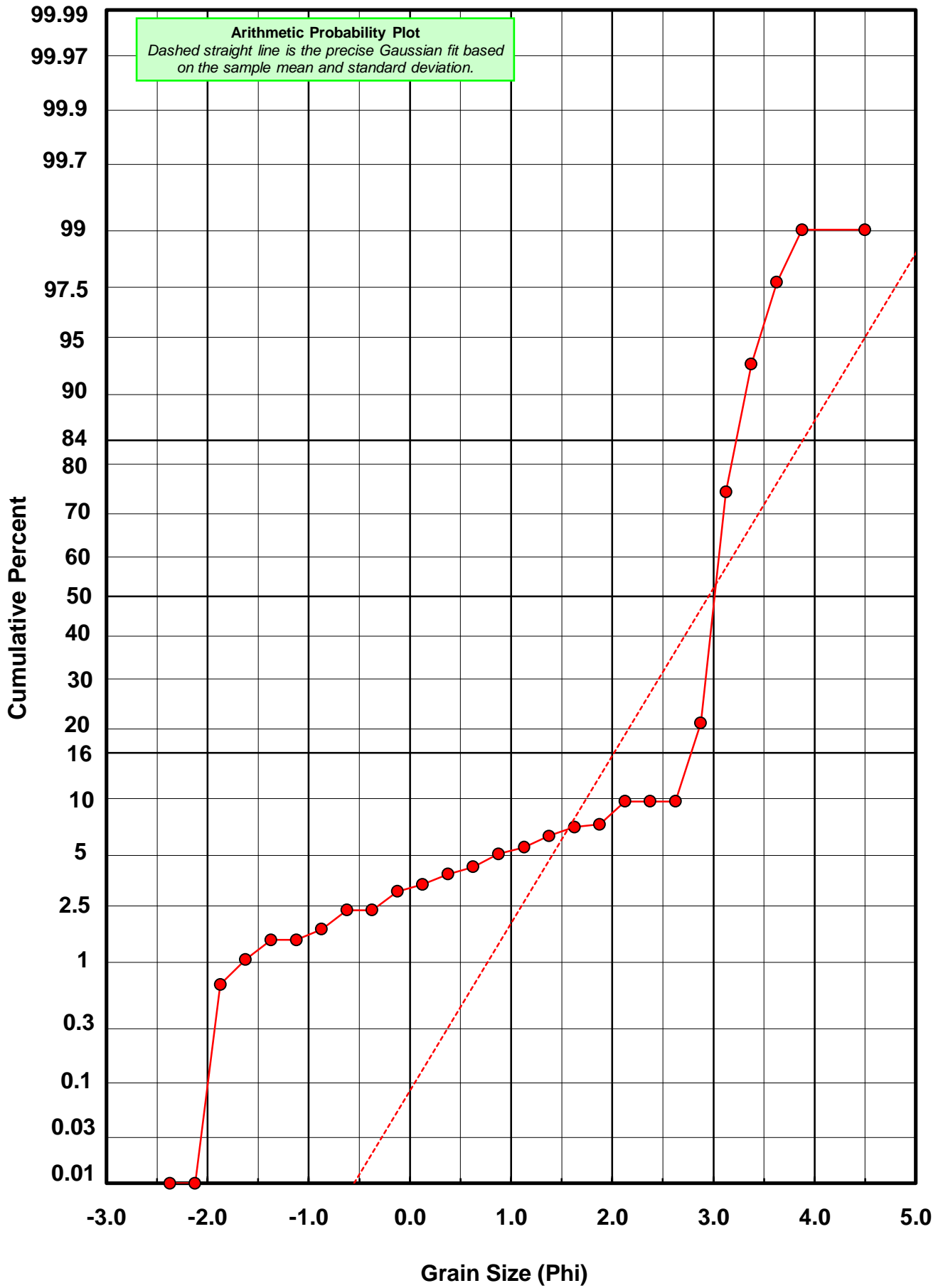
\* RARD = reciprocal absolute relative dispersion (see below)

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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# LE-41-BB



# Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-41-BB

Total Digested Mass: 75.221 grams

% Silica: 97.2 %

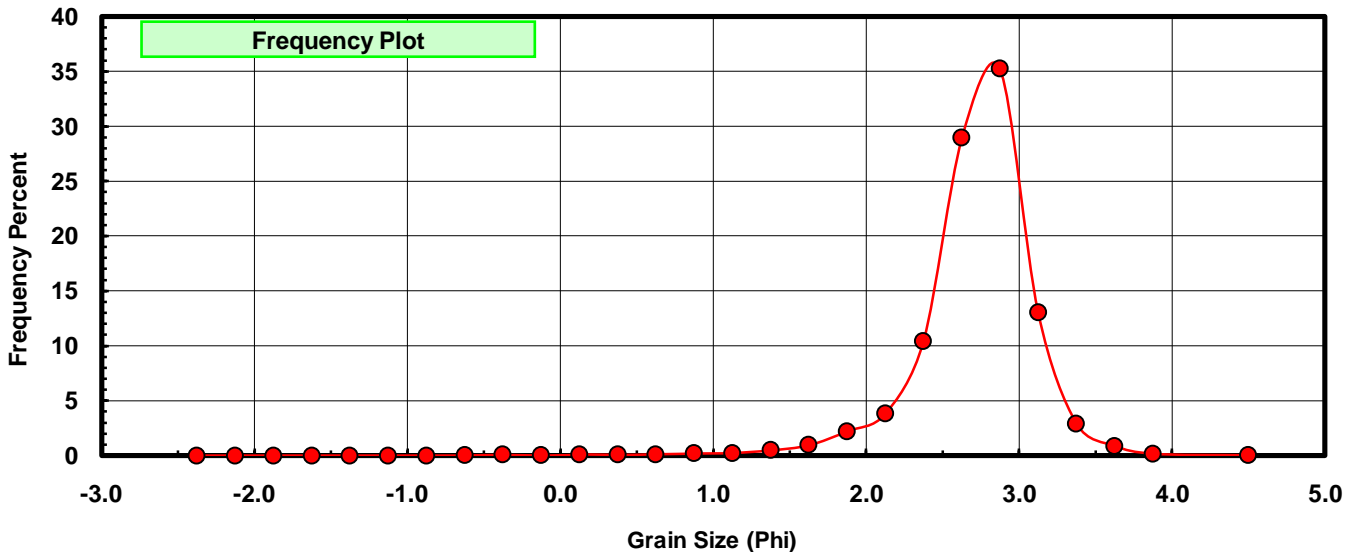
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.030	0.040	0.040
-0.25	-0.375	0.072	0.096	0.136
0.00	-0.125	0.032	0.043	0.178
0.25	0.125	0.071	0.094	0.273
0.50	0.375	0.070	0.093	0.366
0.75	0.625	0.086	0.114	0.480
1.00	0.875	0.144	0.191	0.671
1.25	1.125	0.178	0.237	0.908
1.50	1.375	0.367	0.488	1.396
1.75	1.625	0.721	0.959	2.354
2.00	1.875	1.662	2.209	4.564
2.25	2.125	2.860	3.802	8.366
2.50	2.375	7.849	10.435	18.801
2.75	2.625	21.754	28.920	47.721
3.00	2.875	26.505	35.236	82.957
3.25	3.125	9.807	13.038	95.994
3.50	3.375	2.198	2.922	98.917
3.75	3.625	0.656	0.872	99.789
4.00	3.875	0.123	0.164	99.952
5.00	4.500	0.036	0.048	100.000

Statistical Results			
Mean:	2.7155	phi	(0.1522 mm)
Standard Dev:	0.4076	phi-units	(0.7539 mm)
Skewness:	-1.9761	dimensionless	
Kurtosis:	13.3577	dimensionless	
5th Moment:	-74.4270	dimensionless	
6th Moment:	517.3680	dimensionless	
RARD *	0.1501	dimensionless	
Median	2.6412	phi	(0.1603 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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