

Onshore Grab Sample

Sample: LE-29
Sample Taken By: D. Phelps
Sample Collected On: 1/13/10
Splits? N/A

County: Lee
Latitude: 26° 27' 17.1"
Longitude: 82° 09' 2.8"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	0 grams
Total Fines in Sample	0.010 grams
Total Percent Fines	100.00 %

Dry Sieving Summary

Total Sample Weight	77.701 grams
Total Digested Weight	48.356 grams
Total Carbonate Weight	29.345 grams
Total Silica %	62.23 %
Total Carbonate %	37.77 %
Carbonate/Silica Ratio	0.607

General Comments:

Forgot to weigh sample before Wet Sieving

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-29

Total Sample Mass: 77.701 grams

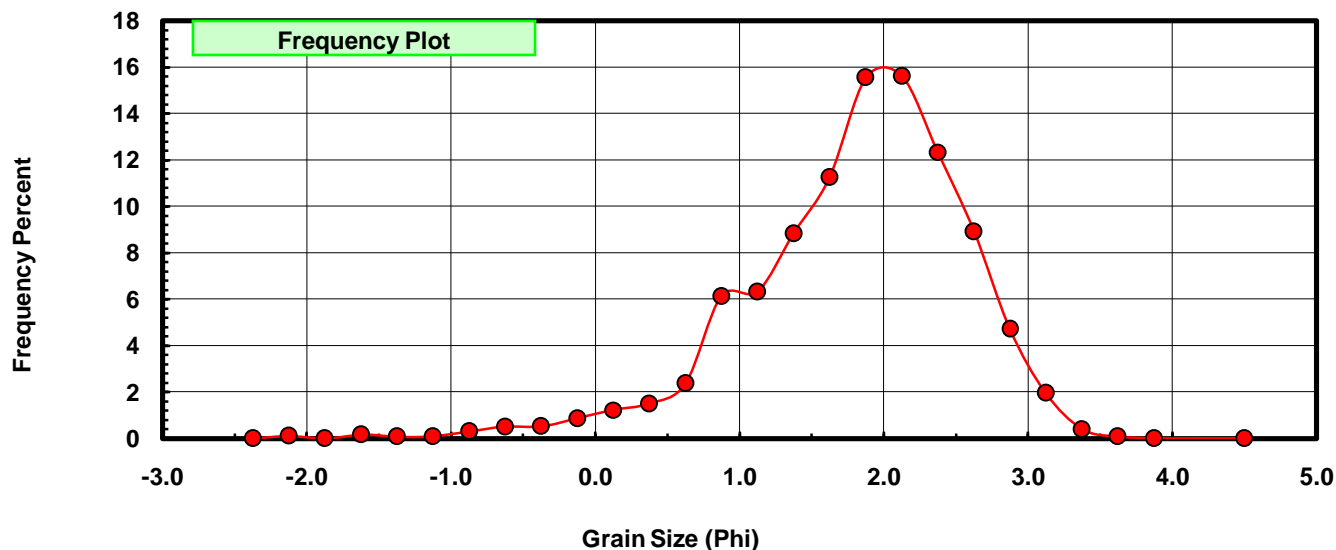
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.088	0.113	0.113
-1.75	-1.875	0.000	0.000	0.113
-1.50	-1.625	0.134	0.172	0.286
-1.25	-1.375	0.063	0.081	0.367
-1.00	-1.125	0.080	0.103	0.470
-0.75	-0.875	0.239	0.308	0.777
-0.50	-0.625	0.404	0.520	1.297
-0.25	-0.375	0.416	0.535	1.833
0.00	-0.125	0.677	0.871	2.704
0.25	0.125	0.962	1.238	3.942
0.50	0.375	1.170	1.506	5.448
0.75	0.625	1.843	2.372	7.820
1.00	0.875	4.773	6.143	13.962
1.25	1.125	4.920	6.332	20.294
1.50	1.375	6.865	8.835	29.130
1.75	1.625	8.737	11.244	40.374
2.00	1.875	12.077	15.543	55.917
2.25	2.125	12.132	15.614	71.531
2.50	2.375	9.592	12.345	83.875
2.75	2.625	6.930	8.919	92.794
3.00	2.875	3.667	4.719	97.514
3.25	3.125	1.523	1.960	99.474
3.50	3.375	0.319	0.411	99.884
3.75	3.625	0.066	0.085	99.969
4.00	3.875	0.014	0.018	99.987
5.00	4.50	0.010	0.013	100.000

Statistical Results			
Mean:	1.8004	phi	(0.2871 mm)
Standard Dev:	0.7707	phi-units	(0.5861 mm)
Skewness:	-0.9905	dimensionless	
Kurtosis:	4.9738	dimensionless	
5th Moment:	-14.1046	dimensionless	
6th Moment:	60.3405	dimensionless	
RARD *	0.4281	dimensionless	
Median	1.7798	phi	(0.2912 mm)

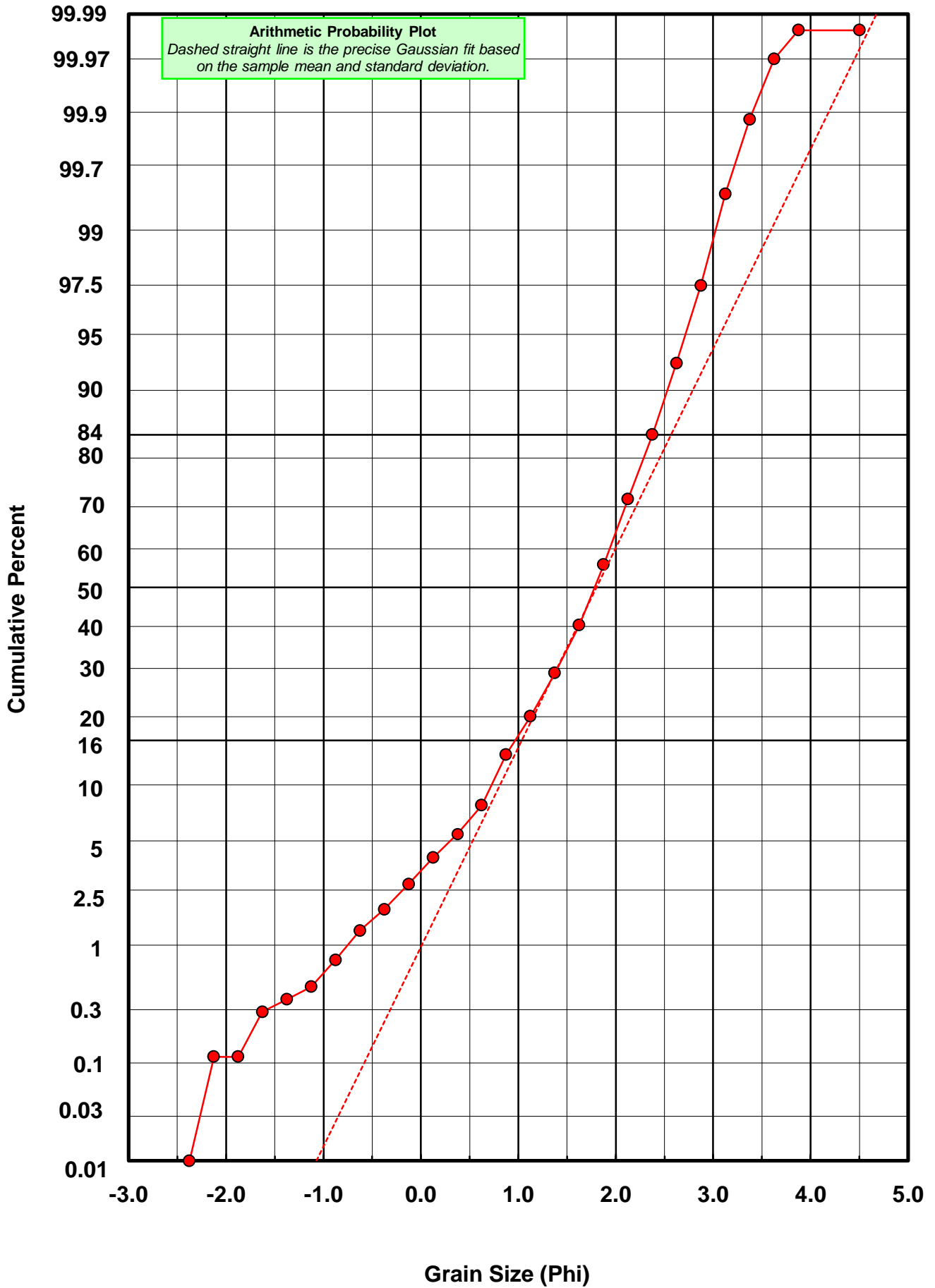
* RARD = reciprocal absolute relative dispersion (see below)

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-29



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: LE-29

Total Carbonate Mass: 31.851 grams

% Carbonate: 37.8 %

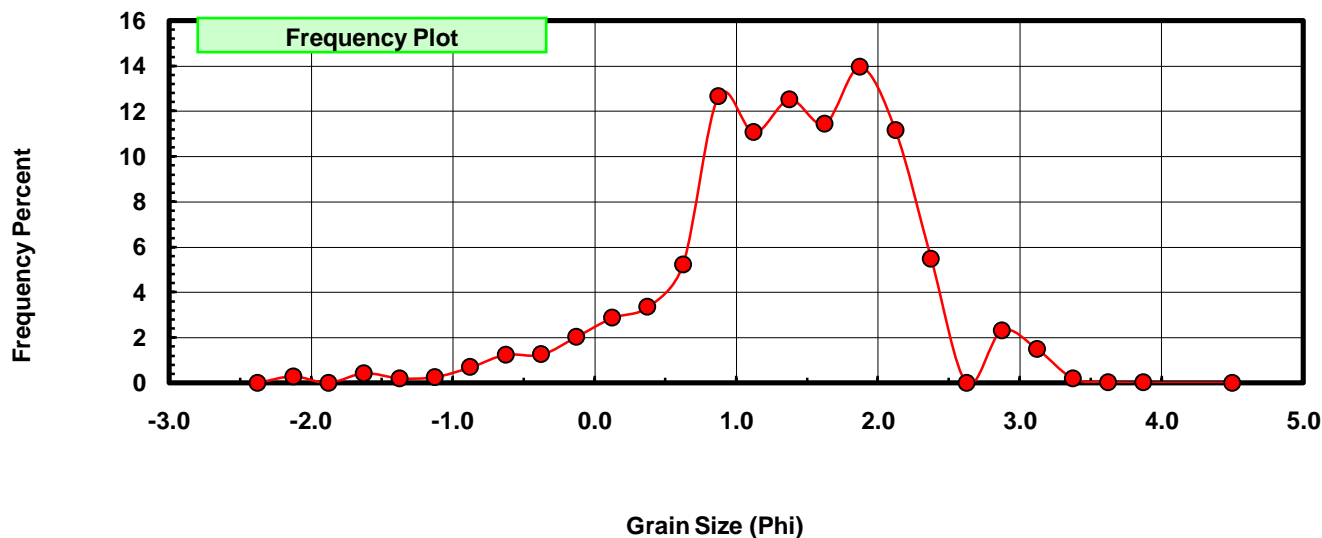
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.088	0.276	0.276
-1.75	-1.875	0.000	0.000	0.276
-1.50	-1.625	0.134	0.421	0.697
-1.25	-1.375	0.063	0.198	0.895
-1.00	-1.125	0.080	0.251	1.146
-0.75	-0.875	0.220	0.691	1.837
-0.50	-0.625	0.394	1.237	3.074
-0.25	-0.375	0.398	1.250	4.323
0.00	-0.125	0.645	2.025	6.348
0.25	0.125	0.911	2.860	9.209
0.50	0.375	1.064	3.341	12.549
0.75	0.625	1.663	5.221	17.770
1.00	0.875	4.030	12.653	30.423
1.25	1.125	3.523	11.061	41.484
1.50	1.375	3.984	12.508	53.992
1.75	1.625	3.644	11.441	65.433
2.00	1.875	4.441	13.943	79.376
2.25	2.125	3.549	11.143	90.518
2.50	2.375	1.743	5.472	95.991
2.75	2.625	0.000	0.000	95.991
3.00	2.875	0.737	2.314	98.305
3.25	3.125	0.470	1.476	99.780
3.50	3.375	0.060	0.188	99.969
3.75	3.625	0.009	0.028	99.997
4.00	3.875	0.001	0.003	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	1.3509	phi	(0.3921 mm)
Standard Dev:	0.8390	phi-units	(0.559 mm)
Skewness:	-0.7130	dimensionless	
Kurtosis:	4.2513	dimensionless	
5th Moment:	-8.6595	dimensionless	
6th Moment:	36.8438	dimensionless	
RARD *	0.6211	dimensionless	
Median	1.2952	phi	(0.4075 mm)

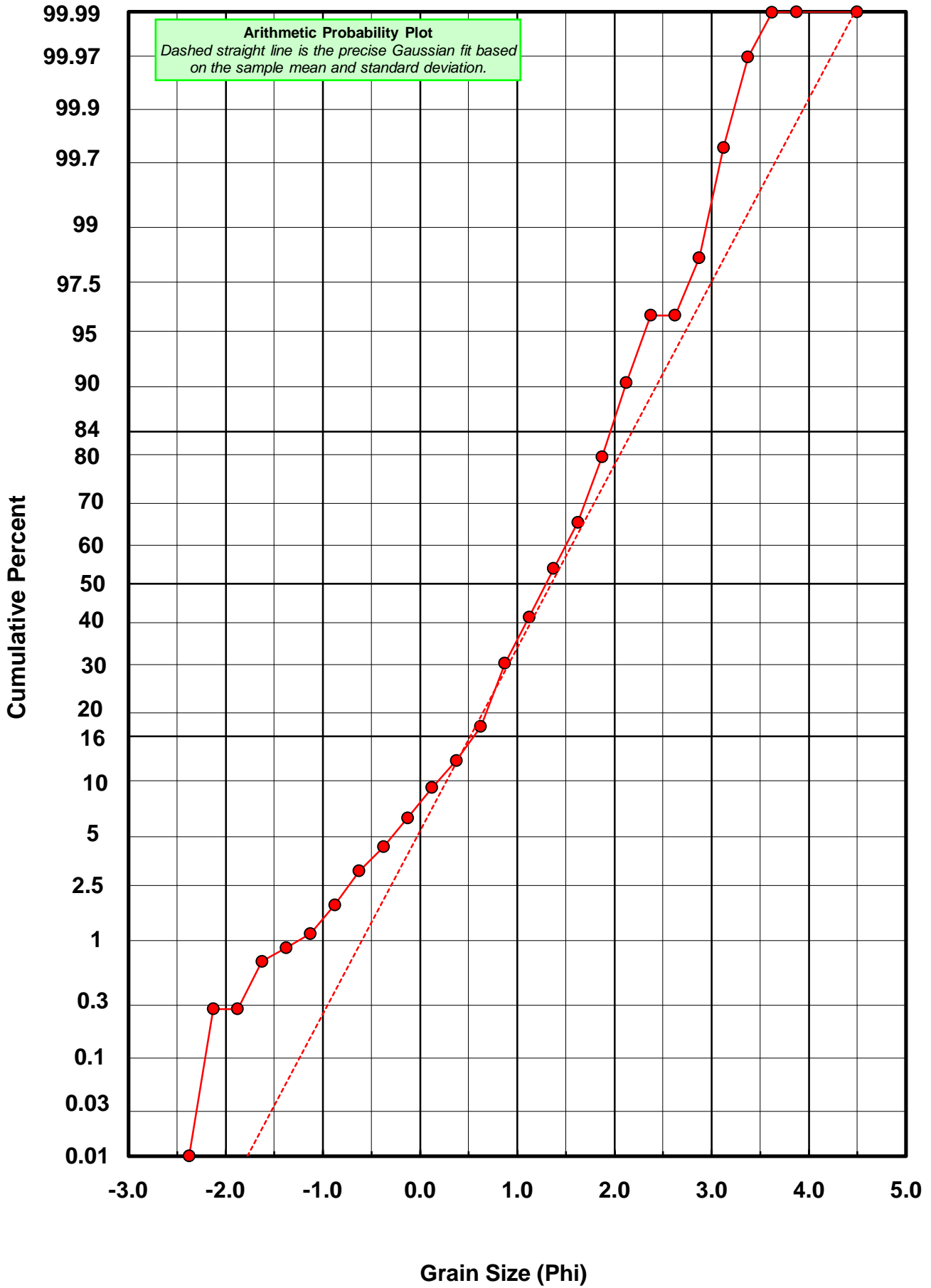
* RARD = reciprocal absolute relative dispersion (see below)

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-29

Total Digested Mass: 48.356 grams

% Silica: 62.2 %

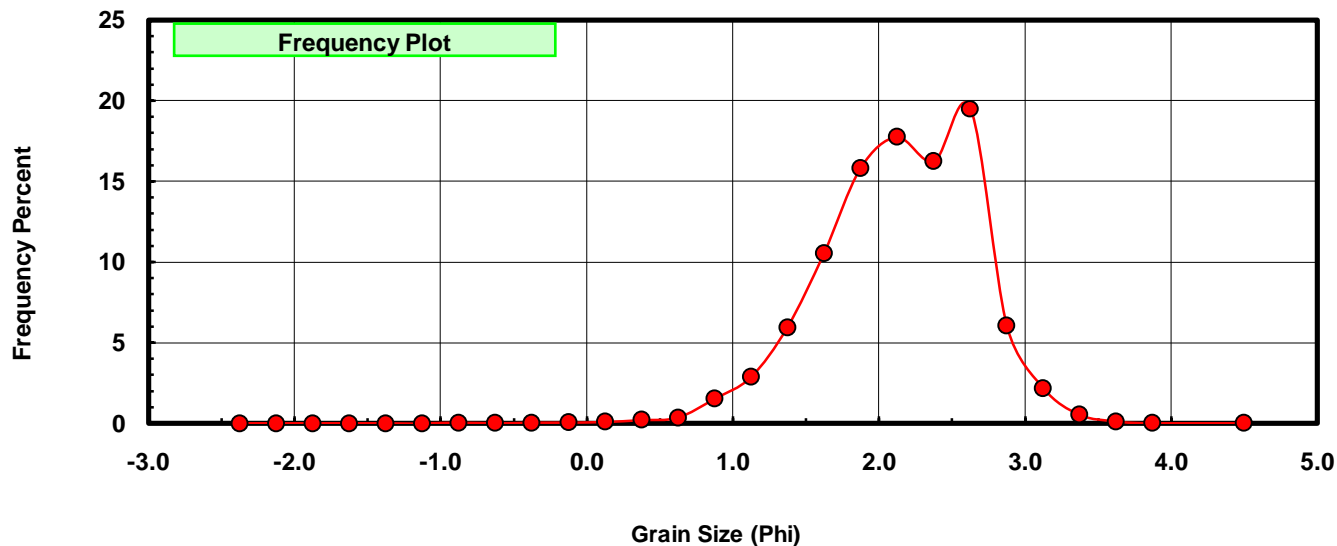
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.019	0.039	0.039
-0.50	-0.625	0.010	0.021	0.060
-0.25	-0.375	0.018	0.037	0.097
0.00	-0.125	0.032	0.066	0.163
0.25	0.125	0.051	0.105	0.269
0.50	0.375	0.106	0.219	0.488
0.75	0.625	0.180	0.372	0.860
1.00	0.875	0.743	1.537	2.397
1.25	1.125	1.397	2.889	5.286
1.50	1.375	2.881	5.958	11.244
1.75	1.625	5.093	10.532	21.776
2.00	1.875	7.636	15.791	37.567
2.25	2.125	8.583	17.750	55.317
2.50	2.375	7.849	16.232	71.549
2.75	2.625	9.436	19.514	91.062
3.00	2.875	2.930	6.059	97.121
3.25	3.125	1.053	2.178	99.299
3.50	3.375	0.259	0.536	99.835
3.75	3.625	0.057	0.118	99.952
4.00	3.875	0.013	0.027	99.979
5.00	4.500	0.010	0.021	100.000

Statistical Results			
Mean:	2.1392	phi	(0.227 mm)
Standard Dev:	0.5350	phi-units	(0.6902 mm)
Skewness:	-0.5314	dimensionless	
Kurtosis:	3.8641	dimensionless	
5th Moment:	-7.6412	dimensionless	
6th Moment:	42.0967	dimensionless	
RARD *	0.2501	dimensionless	
Median	2.0501	phi	(0.2415 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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