

Onshore Grab Sample

Sample: LE-50
Sample Taken By: D. Phelps
Sample Collected On: 1/14/10
Splits? N/A

County: Lee
Latitude: 26° 22' 44.8"
Longitude: 81° 52' 10.3"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	68.469 grams
Total Fines in Sample	0.767 grams
Total Percent Fines	1.11 %

Dry Sieving Summary

Total Sample Weight	67.537 grams
Total Digested Weight	61.249 grams
Total Carbonate Weight	6.288 grams
Total Silica %	90.69 %
Total Carbonate %	9.31 %
Carbonate/Silica Ratio	0.103

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-50

Total Sample Mass: 67.537 grams

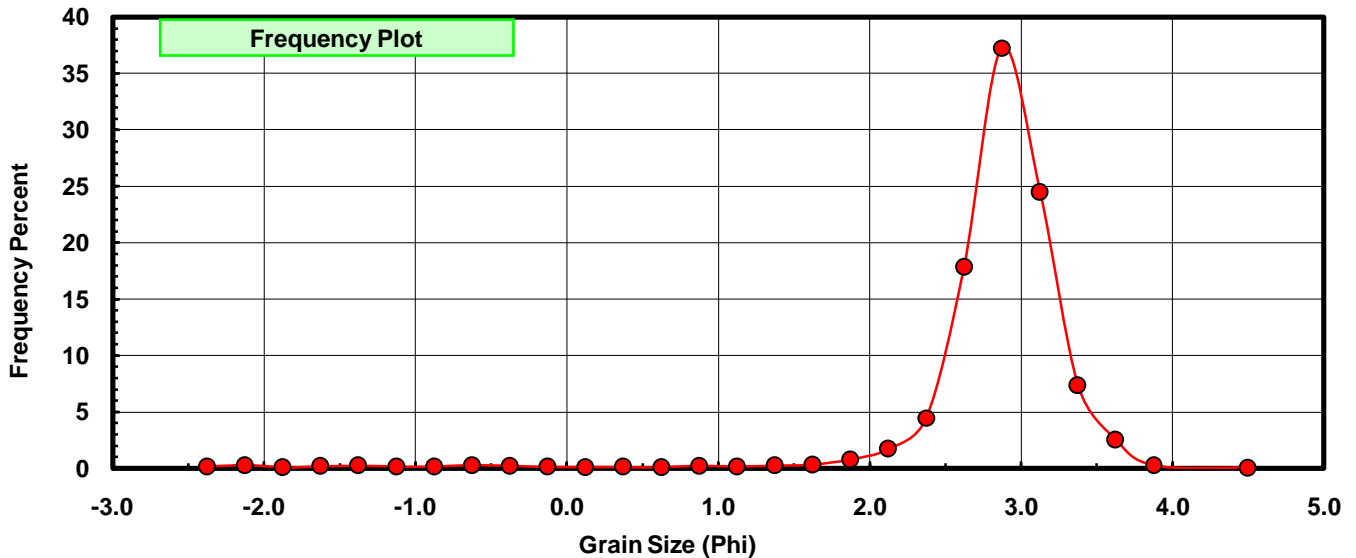
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.107	0.158	0.158
-2.00	-2.125	0.181	0.268	0.426
-1.75	-1.875	0.064	0.095	0.521
-1.50	-1.625	0.126	0.187	0.708
-1.25	-1.375	0.163	0.241	0.949
-1.00	-1.125	0.102	0.151	1.100
-0.75	-0.875	0.104	0.154	1.254
-0.50	-0.625	0.187	0.277	1.531
-0.25	-0.375	0.144	0.213	1.744
0.00	-0.125	0.095	0.141	1.885
0.25	0.125	0.077	0.114	1.999
0.50	0.375	0.080	0.118	2.117
0.75	0.625	0.067	0.099	2.217
1.00	0.875	0.137	0.203	2.419
1.25	1.125	0.114	0.169	2.588
1.50	1.375	0.166	0.246	2.834
1.75	1.625	0.221	0.327	3.161
2.00	1.875	0.527	0.780	3.942
2.25	2.125	1.165	1.725	5.667
2.50	2.375	3.028	4.483	10.150
2.75	2.625	12.062	17.860	28.010
3.00	2.875	25.174	37.274	65.284
3.25	3.125	16.546	24.499	89.783
3.50	3.375	4.969	7.357	97.141
3.75	3.625	1.719	2.545	99.686
4.00	3.875	0.177	0.262	99.948
5.00	4.50	0.035	0.052	100.000

Statistical Results			
Mean:	2.8071	phi	(0.1429 mm)
Standard Dev:	0.6838	phi-units	(0.6225 mm)
Skewness:	-4.5187	dimensionless	
Kurtosis:	28.8618	dimensionless	
5th Moment:	-185.5895	dimensionless	
6th Moment:	1235.0394	dimensionless	
RARD *	0.2436	dimensionless	
Median	2.7725	phi	(0.1464 mm)

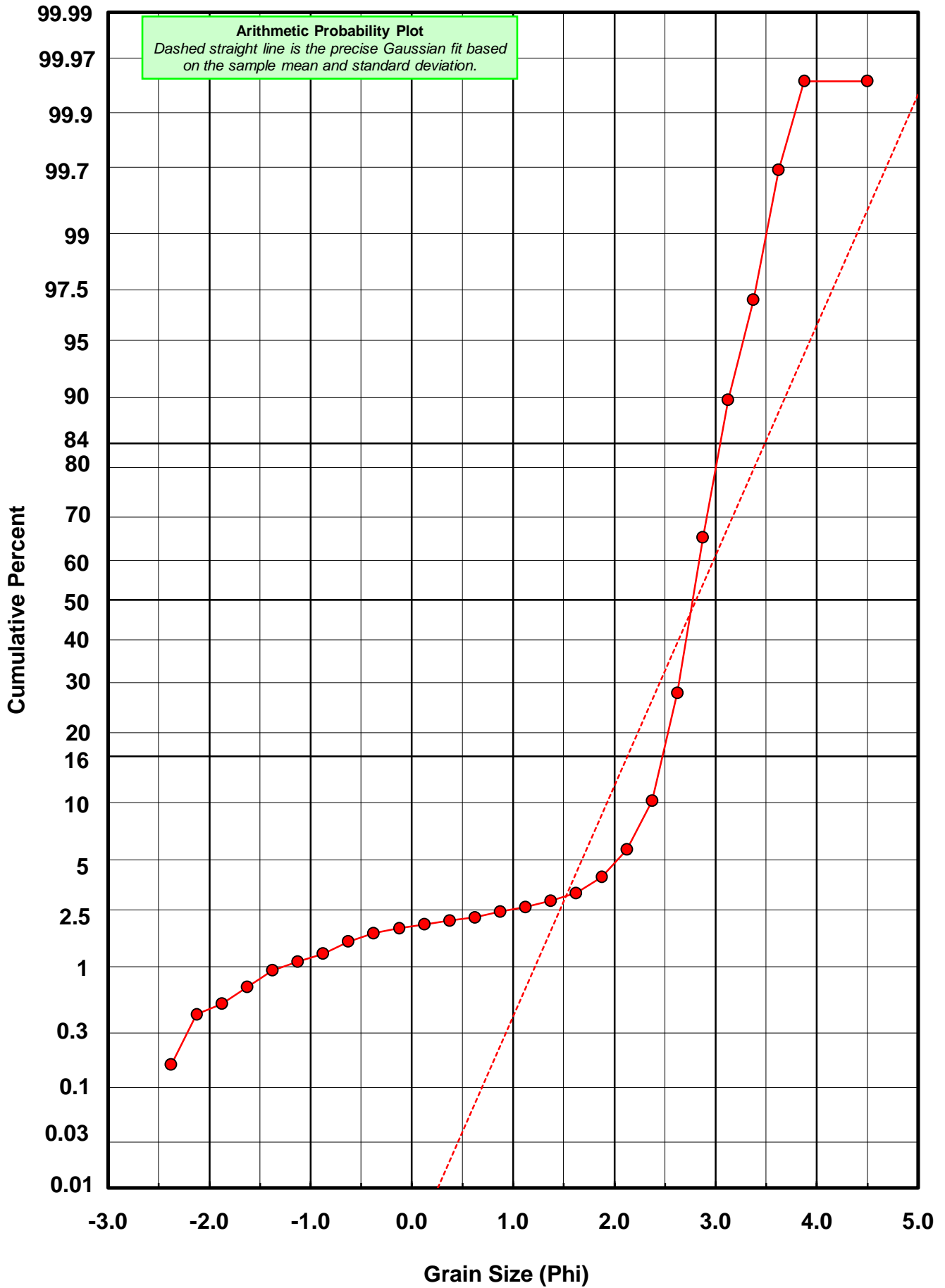
* RARD = reciprocal absolute relative dispersion (see below)

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-50



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: LE-50

Total Carbonate Mass: 13.941 grams

% Carbonate: 9.3 %

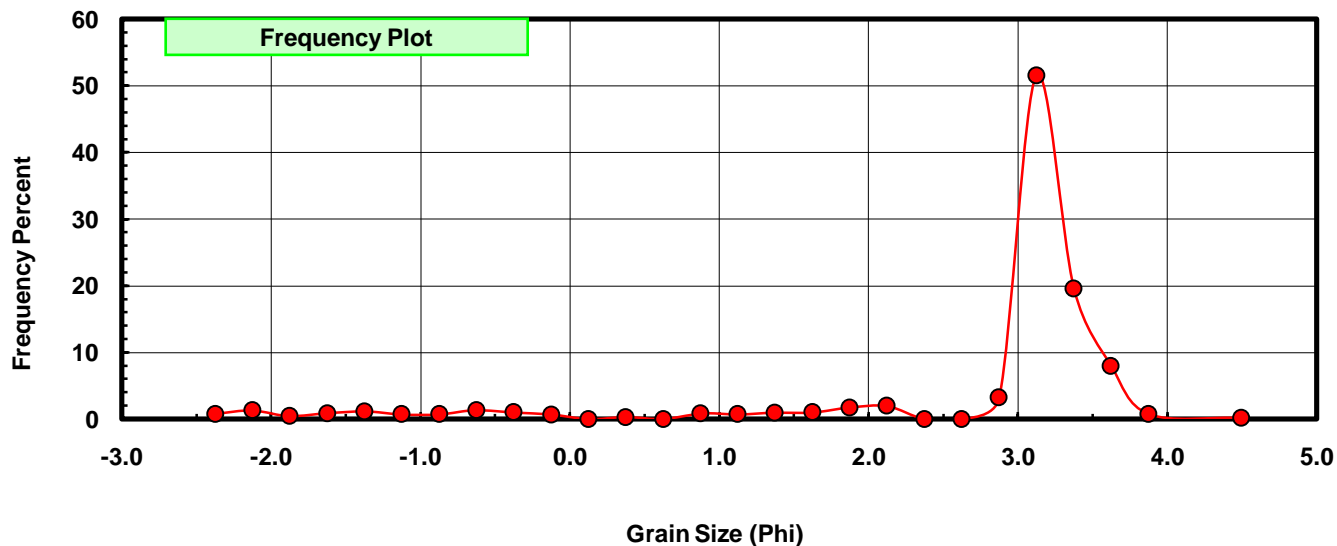
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.107	0.768	0.768
-2.00	-2.125	0.181	1.298	2.066
-1.75	-1.875	0.064	0.459	2.525
-1.50	-1.625	0.126	0.904	3.429
-1.25	-1.375	0.163	1.169	4.598
-1.00	-1.125	0.102	0.732	5.330
-0.75	-0.875	0.104	0.746	6.076
-0.50	-0.625	0.187	1.341	7.417
-0.25	-0.375	0.144	1.033	8.450
0.00	-0.125	0.095	0.681	9.131
0.25	0.125	0.000	0.000	9.131
0.50	0.375	0.042	0.301	9.433
0.75	0.625	0.000	0.000	9.433
1.00	0.875	0.119	0.854	10.286
1.25	1.125	0.100	0.717	11.004
1.50	1.375	0.136	0.976	11.979
1.75	1.625	0.142	1.019	12.998
2.00	1.875	0.242	1.736	14.734
2.25	2.125	0.275	1.973	16.706
2.50	2.375	0.000	0.000	16.706
2.75	2.625	0.000	0.000	16.706
3.00	2.875	0.452	3.242	19.948
3.25	3.125	7.186	51.546	71.494
3.50	3.375	2.728	19.568	91.062
3.75	3.625	1.111	7.969	99.032
4.00	3.875	0.108	0.775	99.806
5.00	4.500	0.027	0.194	100.000

Statistical Results			
Mean:	2.7001	phi	(0.1539 mm)
Standard Dev:	1.4080	phi-units	(0.3768 mm)
Skewness:	-2.3550	dimensionless	
Kurtosis:	7.3310	dimensionless	
5th Moment:	-22.5966	dimensionless	
6th Moment:	71.8783	dimensionless	
RARD *	0.5214	dimensionless	
Median	3.0208	phi	(0.1232 mm)

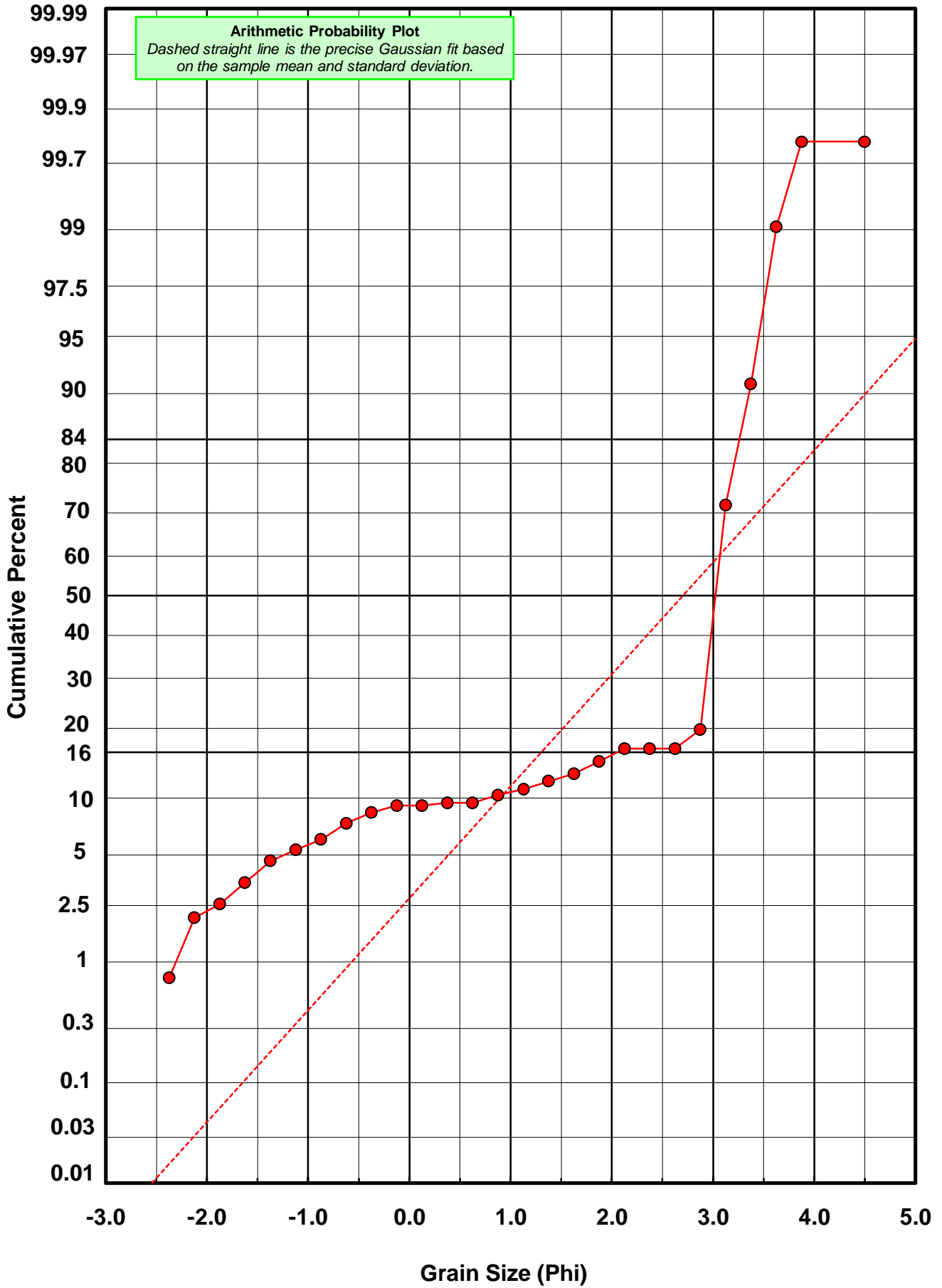
* RARD = reciprocal absolute relative dispersion (see below)

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-50

Total Digested Mass: 61.249 grams

% Silica: 90.7 %

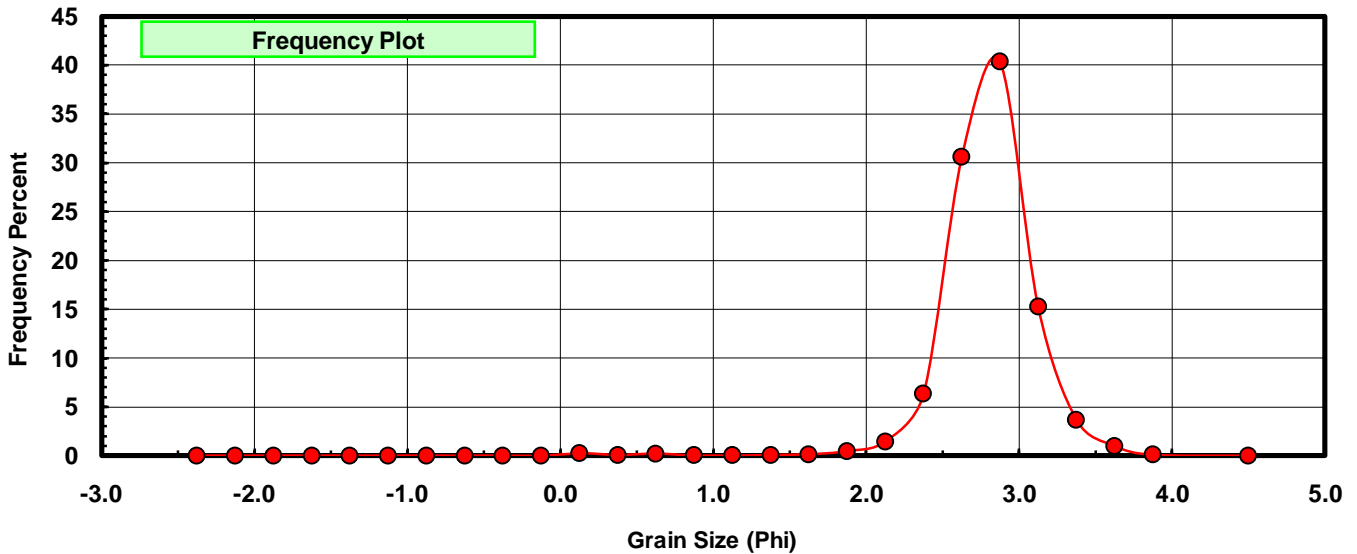
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.144	0.235	0.235
0.50	0.375	0.038	0.062	0.297
0.75	0.625	0.114	0.186	0.483
1.00	0.875	0.018	0.029	0.513
1.25	1.125	0.014	0.023	0.536
1.50	1.375	0.030	0.049	0.584
1.75	1.625	0.079	0.129	0.713
2.00	1.875	0.285	0.465	1.179
2.25	2.125	0.890	1.453	2.632
2.50	2.375	3.879	6.333	8.965
2.75	2.625	18.750	30.613	39.578
3.00	2.875	24.722	40.363	79.941
3.25	3.125	9.360	15.282	95.223
3.50	3.375	2.241	3.659	98.882
3.75	3.625	0.608	0.993	99.874
4.00	3.875	0.069	0.113	99.987
5.00	4.500	0.008	0.013	100.000

Statistical Results			
Mean:	2.8010	phi	(0.1435 mm)
Standard Dev:	0.3254	phi-units	(0.7981 mm)
Skewness:	-2.2032	dimensionless	
Kurtosis:	19.5713	dimensionless	
5th Moment:	-133.3127	dimensionless	
6th Moment:	1052.9982	dimensionless	
RARD *	0.1162	dimensionless	
Median	2.6896	phi	(0.155 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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