

Onshore Grab Sample

Sample: LE-02
Sample Taken By: D. Phelps
Sample Collected On: 1/12/10
Splits? N/A

County: Lee
Latitude: 26° 46' 31.9"
Longitude: 82° 16' 3.9"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	74.342 grams
Total Fines in Sample	0.326 grams
Total Percent Fines	0.44 %

Dry Sieving Summary

Total Sample Weight	73.844 grams
Total Digested Weight	62.965 grams
Total Carbonate Weight	10.879 grams
Total Silica %	85.27 %
Total Carbonate %	14.73 %
Carbonate/Silica Ratio	0.173

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-02

Total Sample Mass: 73.844 grams

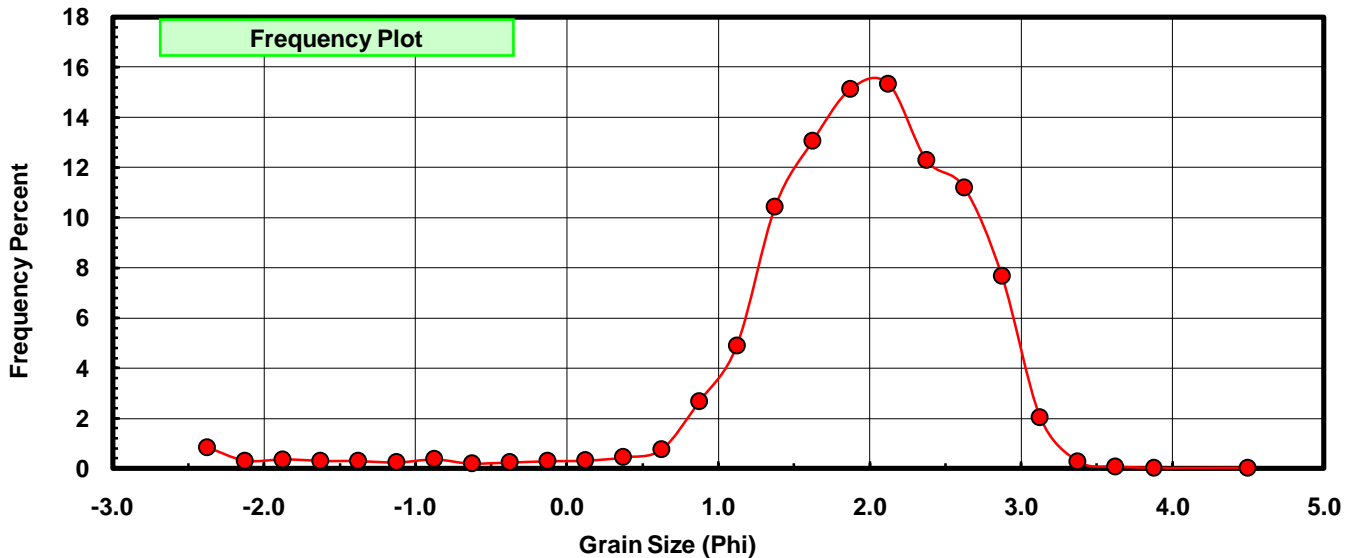
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.621	0.841	0.841
-2.00	-2.125	0.222	0.301	1.142
-1.75	-1.875	0.257	0.348	1.490
-1.50	-1.625	0.219	0.297	1.786
-1.25	-1.375	0.216	0.293	2.079
-1.00	-1.125	0.172	0.233	2.312
-0.75	-0.875	0.265	0.359	2.670
-0.50	-0.625	0.138	0.187	2.857
-0.25	-0.375	0.178	0.241	3.098
0.00	-0.125	0.213	0.288	3.387
0.25	0.125	0.230	0.311	3.698
0.50	0.375	0.323	0.437	4.136
0.75	0.625	0.553	0.749	4.885
1.00	0.875	1.964	2.660	7.544
1.25	1.125	3.612	4.891	12.436
1.50	1.375	7.702	10.430	22.866
1.75	1.625	9.649	13.067	35.933
2.00	1.875	11.178	15.137	51.070
2.25	2.125	11.327	15.339	66.409
2.50	2.375	9.078	12.293	78.702
2.75	2.625	8.269	11.198	89.900
3.00	2.875	5.666	7.673	97.573
3.25	3.125	1.508	2.042	99.615
3.50	3.375	0.206	0.279	99.894
3.75	3.625	0.053	0.072	99.966
4.00	3.875	0.013	0.018	99.984
5.00	4.50	0.012	0.016	100.000

Statistical Results			
Mean:	1.8844	phi	(0.2709 mm)
Standard Dev:	0.8669	phi-units	(0.5483 mm)
Skewness:	-2.1730	dimensionless	
Kurtosis:	10.6278	dimensionless	
5th Moment:	-44.8952	dimensionless	
6th Moment:	206.3149	dimensionless	
RARD *	0.4600	dimensionless	
Median	1.8573	phi	(0.276 mm)

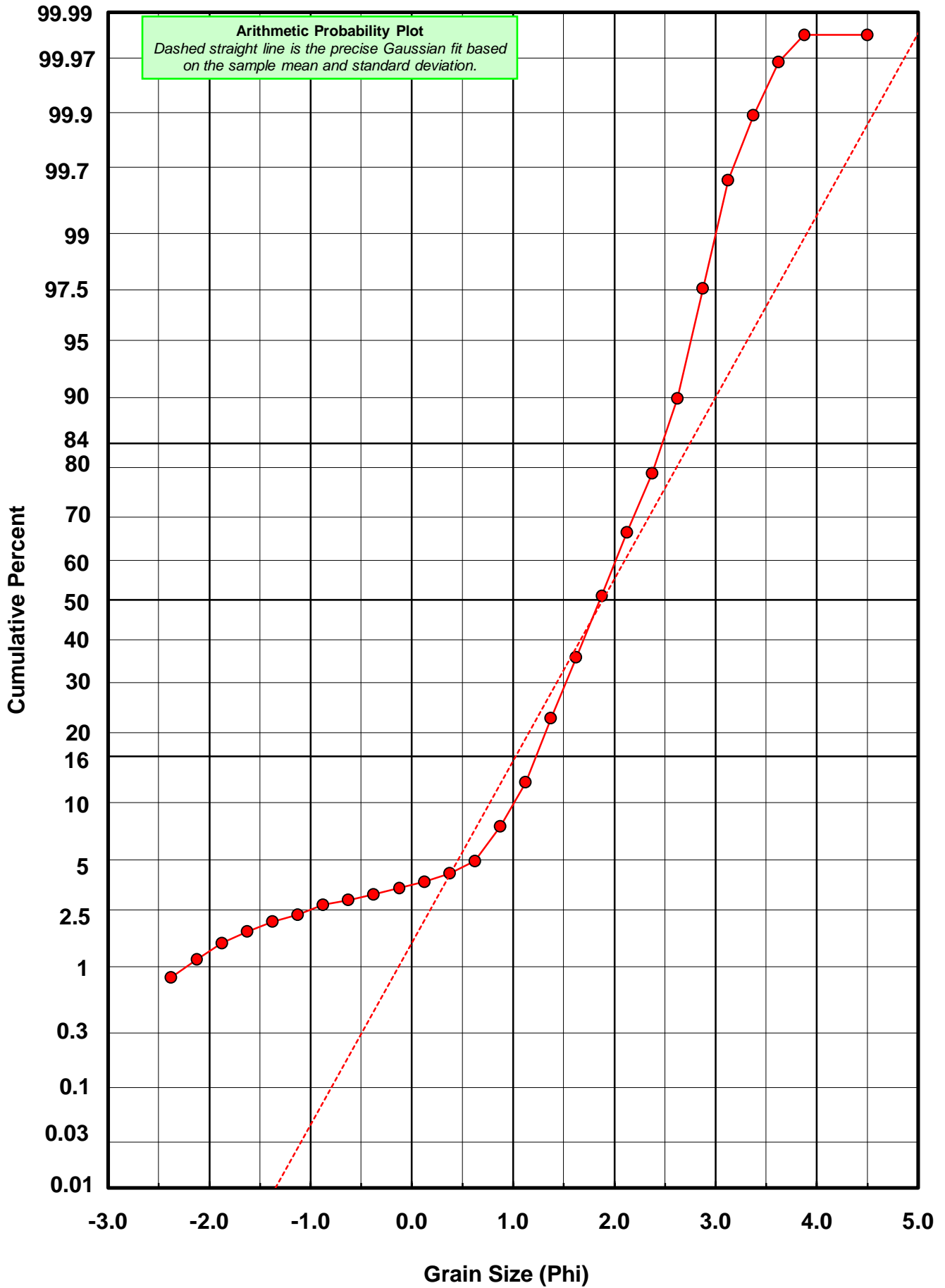
* RARD = reciprocal absolute relative dispersion (see below)

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-02



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: LE-02

Total Carbonate Mass: 13.419 grams

% Carbonate: 14.7 %

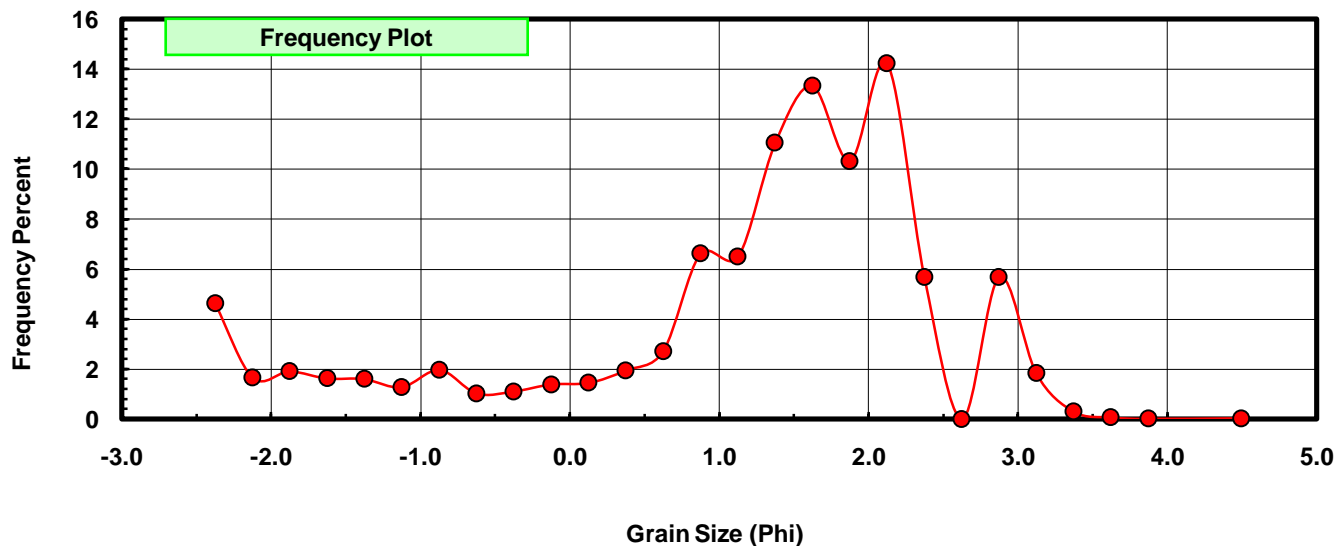
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.621	4.628	4.628
-2.00	-2.125	0.222	1.654	6.282
-1.75	-1.875	0.257	1.915	8.197
-1.50	-1.625	0.219	1.632	9.829
-1.25	-1.375	0.216	1.610	11.439
-1.00	-1.125	0.172	1.282	12.721
-0.75	-0.875	0.265	1.975	14.696
-0.50	-0.625	0.138	1.028	15.724
-0.25	-0.375	0.148	1.103	16.827
0.00	-0.125	0.187	1.394	18.220
0.25	0.125	0.195	1.453	19.674
0.50	0.375	0.262	1.952	21.626
0.75	0.625	0.364	2.713	24.339
1.00	0.875	0.889	6.625	30.964
1.25	1.125	0.871	6.491	37.454
1.50	1.375	1.482	11.044	48.498
1.75	1.625	1.788	13.324	61.823
2.00	1.875	1.385	10.321	72.144
2.25	2.125	1.908	14.219	86.363
2.50	2.375	0.763	5.686	92.049
2.75	2.625	0.000	0.000	92.049
3.00	2.875	0.763	5.686	97.735
3.25	3.125	0.247	1.841	99.575
3.50	3.375	0.041	0.306	99.881
3.75	3.625	0.010	0.075	99.955
4.00	3.875	0.002	0.015	99.970
5.00	4.500	0.004	0.030	100.000

Statistical Results			
Mean:	1.1185	phi	(0.4606 mm)
Standard Dev:	1.4694	phi-units	(0.3611 mm)
Skewness:	-1.1048	dimensionless	
Kurtosis:	3.2399	dimensionless	
5th Moment:	-6.0037	dimensionless	
6th Moment:	14.5708	dimensionless	
RARD *	1.3137	dimensionless	
Median	1.4032	phi	(0.3781 mm)

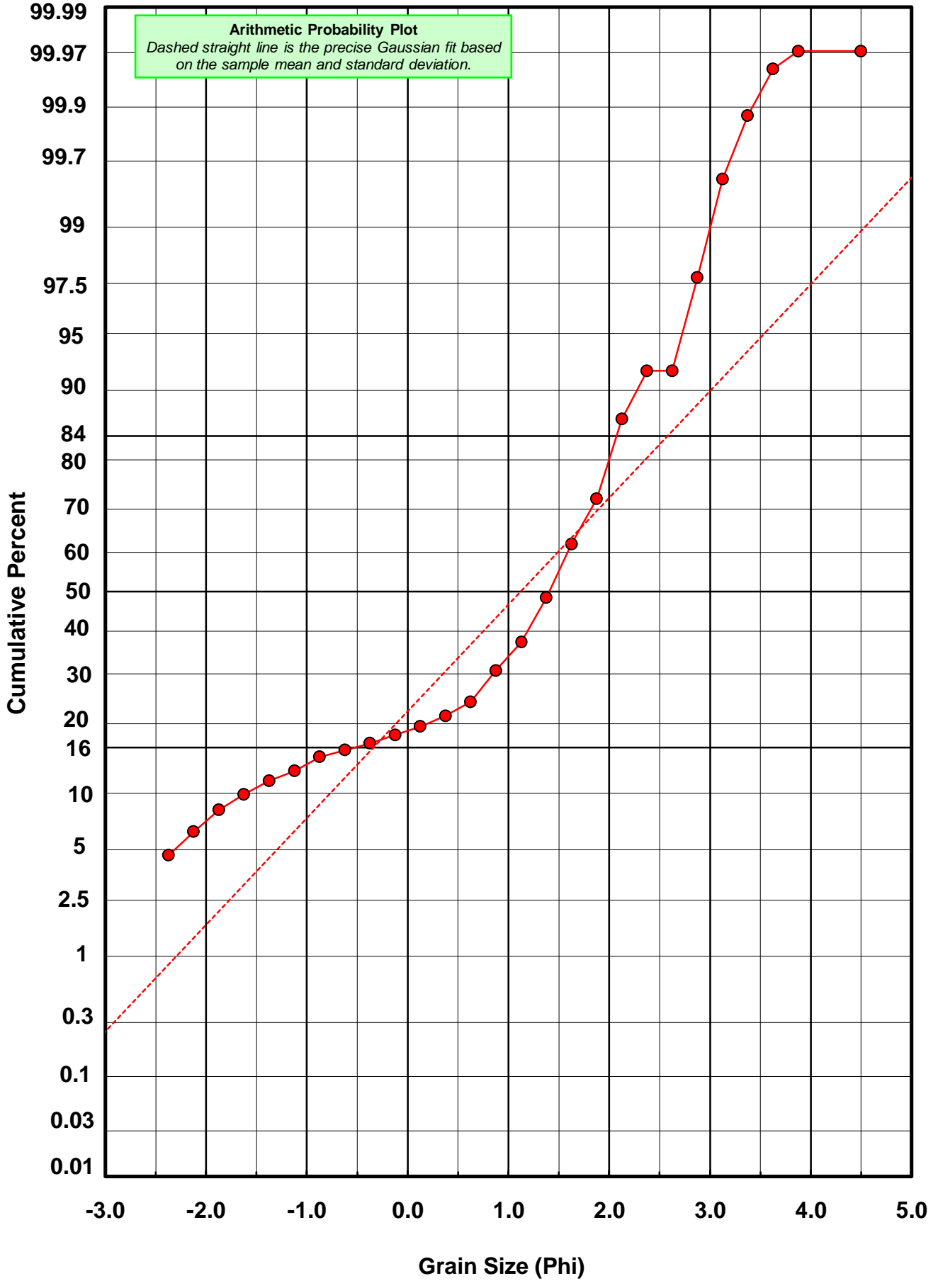
* RARD = reciprocal absolute relative dispersion (see below)

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-02

Total Digested Mass: 62.965 grams

% Silica: 85.3 %

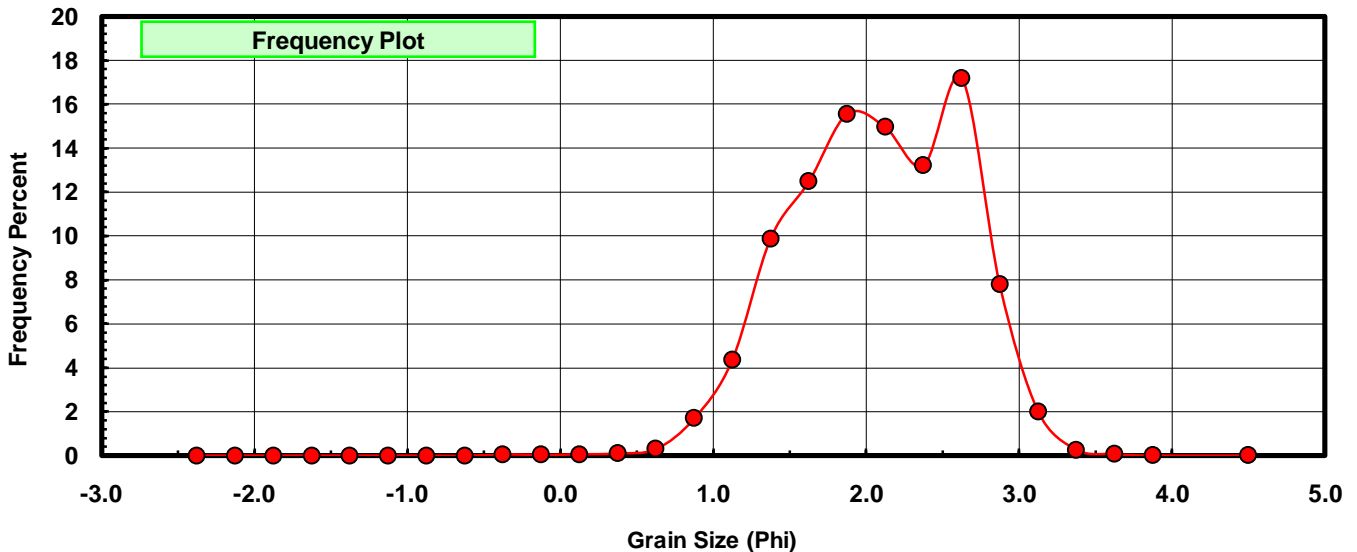
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.030	0.048	0.048
0.00	-0.125	0.026	0.041	0.089
0.25	0.125	0.035	0.056	0.145
0.50	0.375	0.061	0.097	0.241
0.75	0.625	0.189	0.300	0.542
1.00	0.875	1.075	1.707	2.249
1.25	1.125	2.741	4.353	6.602
1.50	1.375	6.220	9.879	16.481
1.75	1.625	7.861	12.485	28.965
2.00	1.875	9.793	15.553	44.518
2.25	2.125	9.419	14.959	59.477
2.50	2.375	8.315	13.206	72.683
2.75	2.625	10.809	17.167	89.850
3.00	2.875	4.903	7.787	97.637
3.25	3.125	1.261	2.003	99.639
3.50	3.375	0.165	0.262	99.902
3.75	3.625	0.043	0.068	99.970
4.00	3.875	0.011	0.017	99.987
5.00	4.500	0.008	0.013	100.000

Statistical Results			
Mean:	2.0775	phi	(0.2369 mm)
Standard Dev:	0.5552	phi-units	(0.6806 mm)
Skewness:	-0.2298	dimensionless	
Kurtosis:	2.6441	dimensionless	
5th Moment:	-2.3187	dimensionless	
6th Moment:	15.0974	dimensionless	
RARD *	0.2672	dimensionless	
Median	1.9666	phi	(0.2559 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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