

Onshore Grab Sample

Sample: LE-03
Sample Taken By: D. Phelps
Sample Collected On: 1/12/10
Splits? N/A

County: Lee
Latitude: 26° 45' 33.2"
Longitude: 82° 15' 55.6"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	73.17 grams
Total Fines in Sample	0.277 grams
Total Percent Fines	0.38 %

Dry Sieving Summary

Total Sample Weight	72.801 grams
Total Digested Weight	50.630 grams
Total Carbonate Weight	22.171 grams
Total Silica %	69.55 %
Total Carbonate %	30.45 %
Carbonate/Silica Ratio	0.438

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-03

Total Sample Mass: 72.801 grams

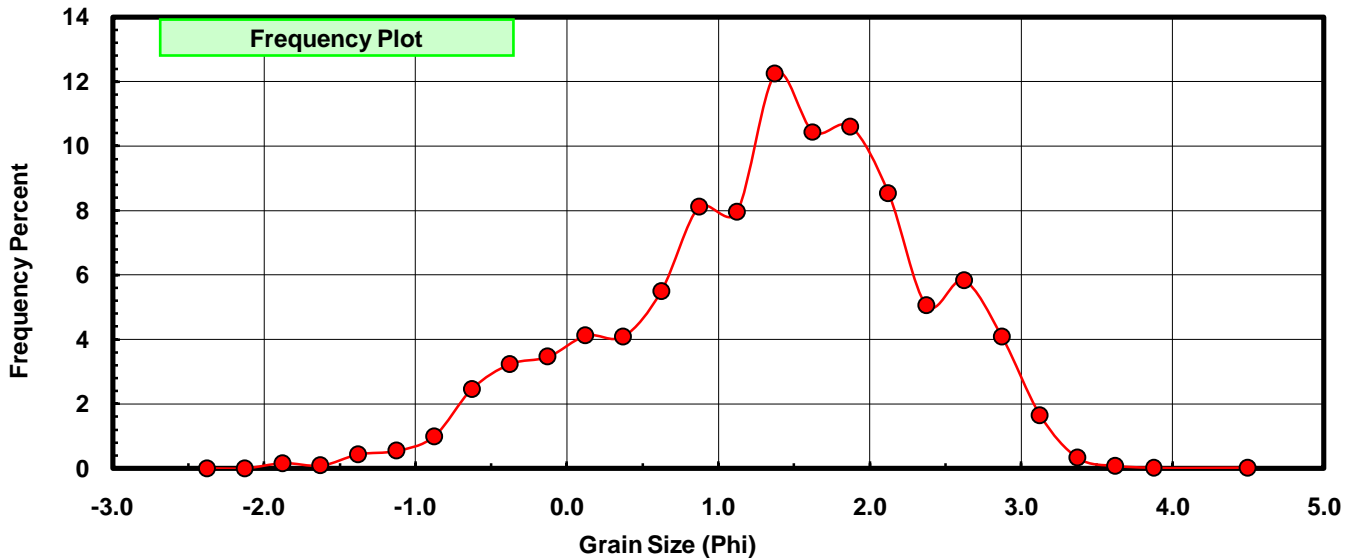
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.115	0.158	0.158
-1.50	-1.625	0.064	0.088	0.246
-1.25	-1.375	0.316	0.434	0.680
-1.00	-1.125	0.397	0.545	1.225
-0.75	-0.875	0.721	0.990	2.216
-0.50	-0.625	1.788	2.456	4.672
-0.25	-0.375	2.354	3.233	7.905
0.00	-0.125	2.520	3.461	11.367
0.25	0.125	2.997	4.117	15.483
0.50	0.375	2.975	4.086	19.570
0.75	0.625	4.003	5.499	25.068
1.00	0.875	5.910	8.118	33.186
1.25	1.125	5.783	7.944	41.130
1.50	1.375	8.910	12.239	53.369
1.75	1.625	7.604	10.445	63.814
2.00	1.875	7.713	10.595	74.408
2.25	2.125	6.214	8.536	82.944
2.50	2.375	3.686	5.063	88.007
2.75	2.625	4.242	5.827	93.834
3.00	2.875	2.976	4.088	97.922
3.25	3.125	1.194	1.640	99.562
3.50	3.375	0.239	0.328	99.890
3.75	3.625	0.058	0.080	99.970
4.00	3.875	0.010	0.014	99.984
5.00	4.50	0.012	0.016	100.000

Statistical Results			
Mean:	1.3335	phi	(0.3968 mm)
Standard Dev:	0.9871	phi-units	(0.5045 mm)
Skewness:	-0.4274	dimensionless	
Kurtosis:	2.7796	dimensionless	
5th Moment:	-2.9665	dimensionless	
6th Moment:	12.1410	dimensionless	
RARD *	0.7402	dimensionless	
Median	1.3062	phi	(0.4044 mm)

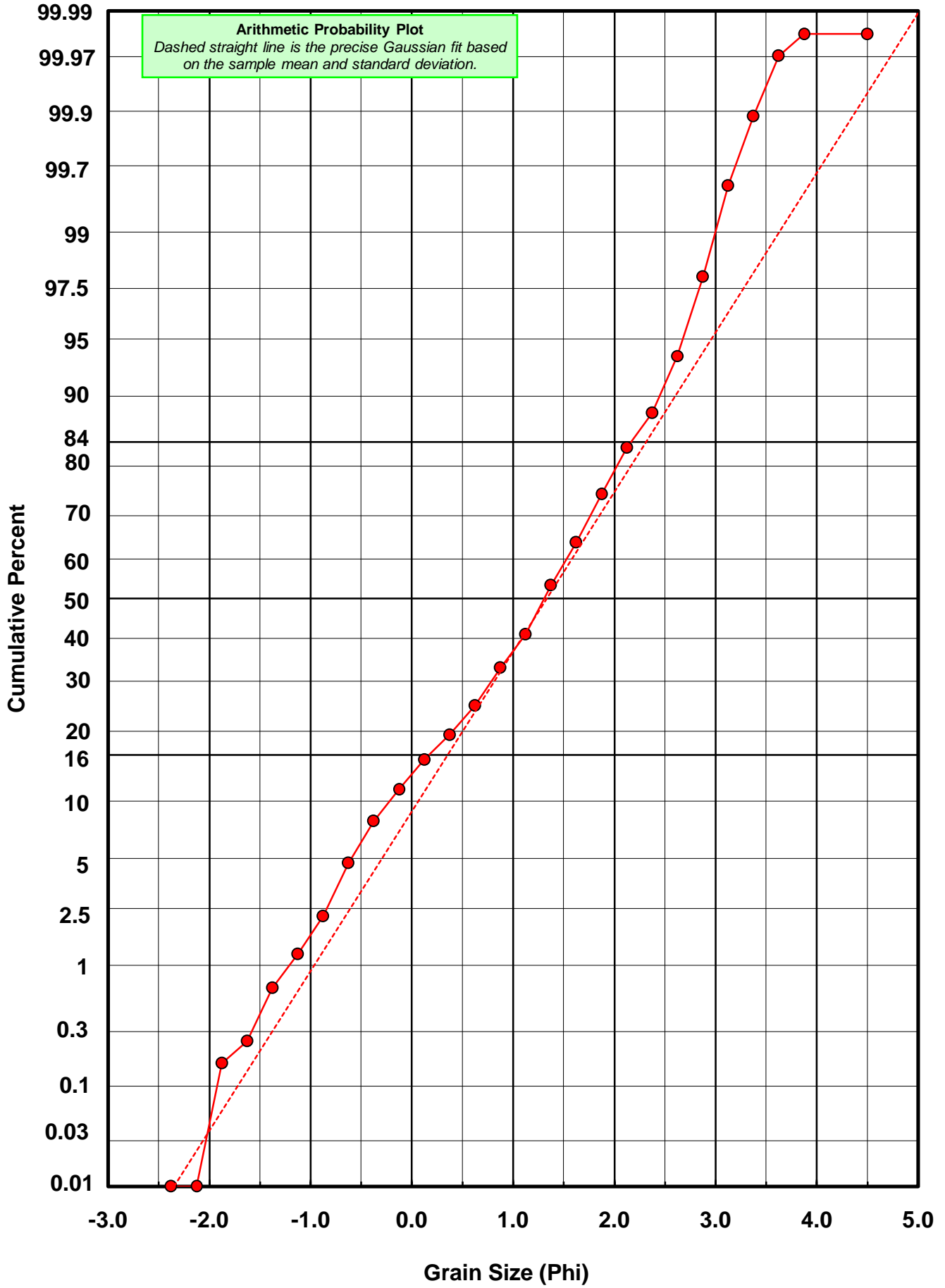
* RARD = reciprocal absolute relative dispersion (see below)

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-03



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: LE-03

Total Carbonate Mass: 23.386 grams

% Carbonate: 30.5 %

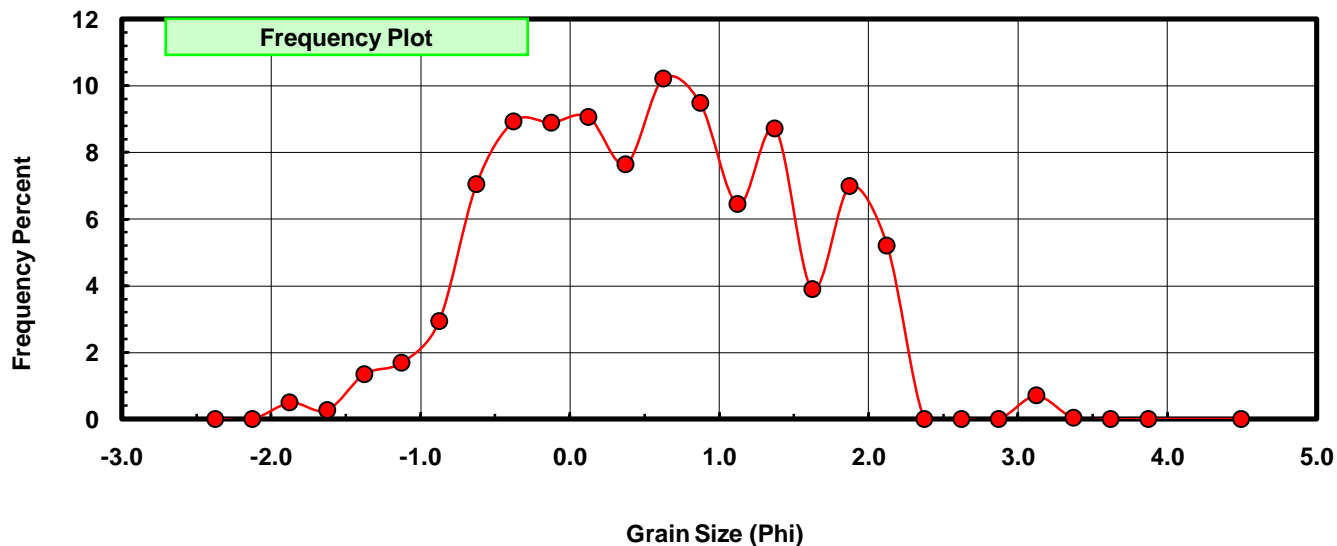
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.115	0.492	0.492
-1.50	-1.625	0.064	0.274	0.765
-1.25	-1.375	0.316	1.351	2.117
-1.00	-1.125	0.397	1.698	3.814
-0.75	-0.875	0.688	2.942	6.756
-0.50	-0.625	1.646	7.038	13.795
-0.25	-0.375	2.089	8.933	22.727
0.00	-0.125	2.080	8.894	31.621
0.25	0.125	2.120	9.065	40.687
0.50	0.375	1.787	7.641	48.328
0.75	0.625	2.389	10.216	58.544
1.00	0.875	2.217	9.480	68.024
1.25	1.125	1.506	6.440	74.463
1.50	1.375	2.036	8.706	83.169
1.75	1.625	0.911	3.895	87.065
2.00	1.875	1.634	6.987	94.052
2.25	2.125	1.218	5.208	99.260
2.50	2.375	0.000	0.000	99.260
2.75	2.625	0.000	0.000	99.260
3.00	2.875	0.000	0.000	99.260
3.25	3.125	0.164	0.701	99.962
3.50	3.375	0.008	0.034	99.996
3.75	3.625	0.000	0.000	99.996
4.00	3.875	0.000	0.000	99.996
5.00	4.500	0.001	0.004	100.000

Statistical Results			
Mean:	0.5415	phi	(0.6871 mm)
Standard Dev:	0.9533	phi-units	(0.5164 mm)
Skewness:	0.0626	dimensionless	
Kurtosis:	2.3663	dimensionless	
5th Moment:	0.4358	dimensionless	
6th Moment:	9.0551	dimensionless	
RARD *	1.7606	dimensionless	
Median	0.4159	phi	(0.7495 mm)

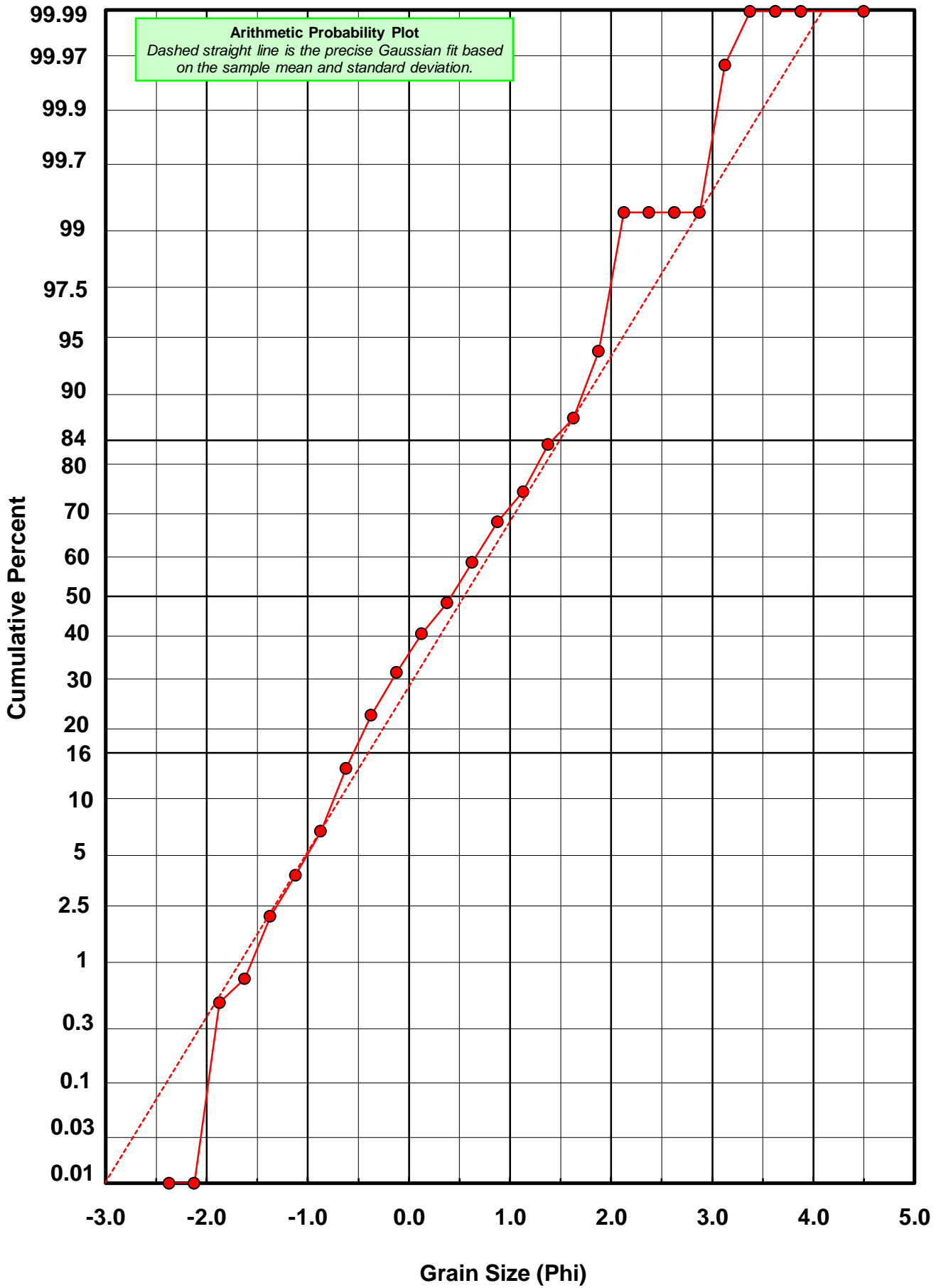
* RARD = reciprocal absolute relative dispersion (see below)

Statistical Explanation	
Calculations based on the Method of Moments	
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Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0	
For Further Explanation, See Basille et al. 2002	
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Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-03

Total Digested Mass: 50.630 grams

% Silica: 69.5 %

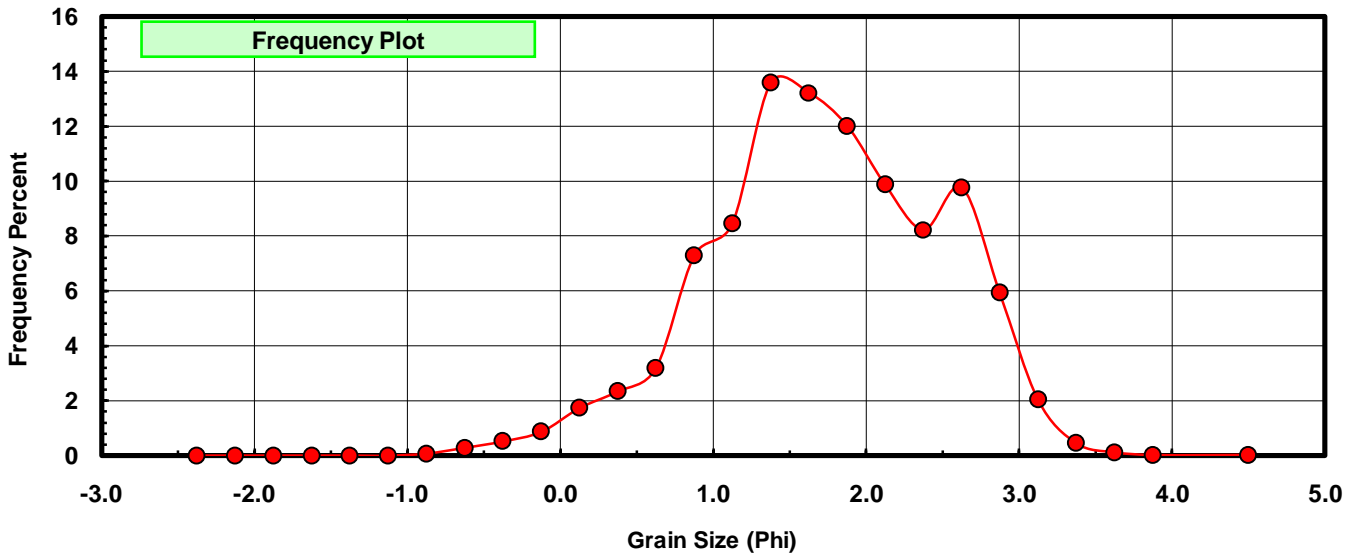
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
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-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.033	0.065	0.065
-0.50	-0.625	0.142	0.280	0.346
-0.25	-0.375	0.265	0.523	0.869
0.00	-0.125	0.440	0.869	1.738
0.25	0.125	0.877	1.732	3.470
0.50	0.375	1.188	2.346	5.817
0.75	0.625	1.614	3.188	9.005
1.00	0.875	3.693	7.294	16.299
1.25	1.125	4.277	8.448	24.746
1.50	1.375	6.874	13.577	38.323
1.75	1.625	6.693	13.219	51.543
2.00	1.875	6.079	12.007	63.549
2.25	2.125	4.996	9.868	73.417
2.50	2.375	4.168	8.232	81.649
2.75	2.625	4.945	9.767	91.416
3.00	2.875	3.002	5.929	97.345
3.25	3.125	1.030	2.034	99.380
3.50	3.375	0.231	0.456	99.836
3.75	3.625	0.061	0.120	99.957
4.00	3.875	0.011	0.022	99.978
5.00	4.500	0.011	0.022	100.000

Statistical Results			
Mean:	1.7282	phi	(0.3018 mm)
Standard Dev:	0.7623	phi-units	(0.5896 mm)
Skewness:	-0.2645	dimensionless	
Kurtosis:	2.8397	dimensionless	
5th Moment:	-2.5574	dimensionless	
6th Moment:	13.6370	dimensionless	
RARD *	0.4411	dimensionless	
Median	1.5958	phi	(0.3308 mm)

* RARD = reciprocal absolute relative dispersion (see below)

Statistical Explanation	
Calculations based on the Method of Moments	
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For Further Explanation, See Basille et al. 2002	
Millimeter data calculated by $mm = 2^{-(\phi)}$	

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