

Onshore Grab Sample

Sample: LE-01
Sample Taken By: D. Phelps
Sample Collected On: 1/12/10
Splits? N/A

County: Lee
Latitude: 26° 47' 18.9"
Longitude: 82° 16' 18.3"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	55.854 grams
Total Fines in Sample	0.251 grams
Total Percent Fines	0.45 %

Dry Sieving Summary

Total Sample Weight	55.843 grams
Total Digested Weight	32.031 grams
Total Carbonate Weight	23.812 grams
Total Silica %	57.36 %
Total Carbonate %	42.64 %
Carbonate/Silica Ratio	0.743

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-01

Total Sample Mass: 55.843 grams

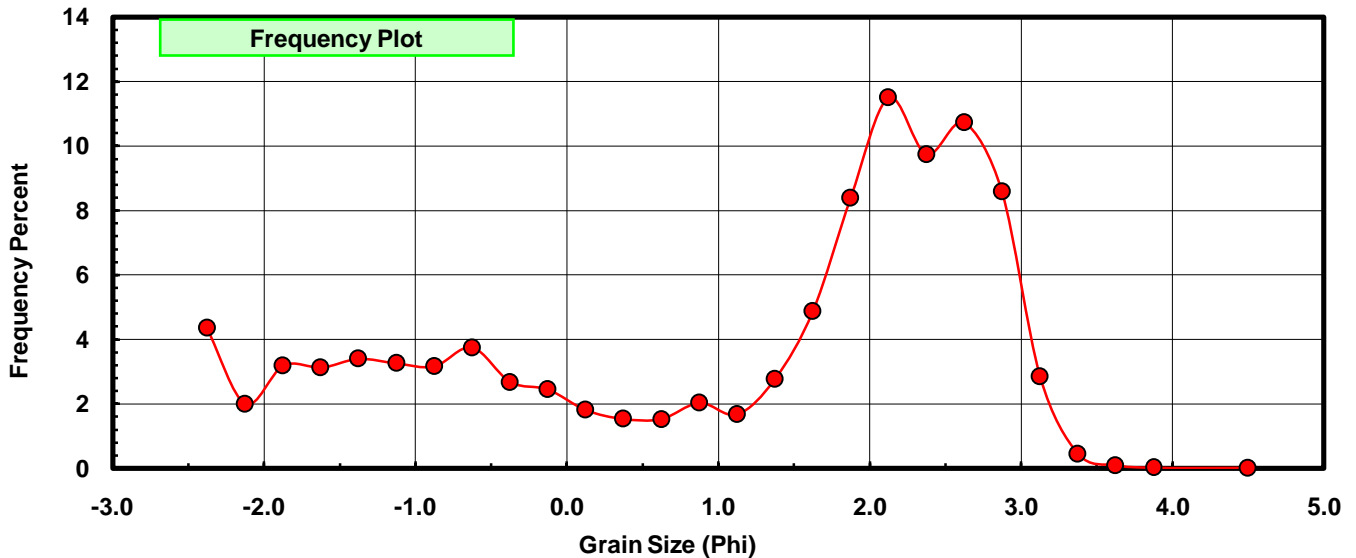
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	2.432	4.355	4.355
-2.00	-2.125	1.115	1.997	6.352
-1.75	-1.875	1.775	3.179	9.530
-1.50	-1.625	1.746	3.127	12.657
-1.25	-1.375	1.900	3.402	16.059
-1.00	-1.125	1.819	3.257	19.317
-0.75	-0.875	1.768	3.166	22.483
-0.50	-0.625	2.092	3.746	26.229
-0.25	-0.375	1.496	2.679	28.908
0.00	-0.125	1.368	2.450	31.358
0.25	0.125	1.013	1.814	33.172
0.50	0.375	0.858	1.536	34.708
0.75	0.625	0.852	1.526	36.234
1.00	0.875	1.135	2.032	38.266
1.25	1.125	0.936	1.676	39.942
1.50	1.375	1.551	2.777	42.720
1.75	1.625	2.724	4.878	47.598
2.00	1.875	4.689	8.397	55.994
2.25	2.125	6.422	11.500	67.495
2.50	2.375	5.444	9.749	77.243
2.75	2.625	5.991	10.728	87.972
3.00	2.875	4.799	8.594	96.565
3.25	3.125	1.590	2.847	99.413
3.50	3.375	0.255	0.457	99.869
3.75	3.625	0.051	0.091	99.961
4.00	3.875	0.012	0.021	99.982
5.00	4.50	0.010	0.018	100.000

Statistical Results			
Mean:	1.0391	phi	(0.4866 mm)
Standard Dev:	1.7444	phi-units	(0.2985 mm)
Skewness:	-0.6401	dimensionless	
Kurtosis:	1.9206	dimensionless	
5th Moment:	-2.4011	dimensionless	
6th Moment:	5.1295	dimensionless	
RARD *	1.6787	dimensionless	
Median	1.6965	phi	(0.3085 mm)

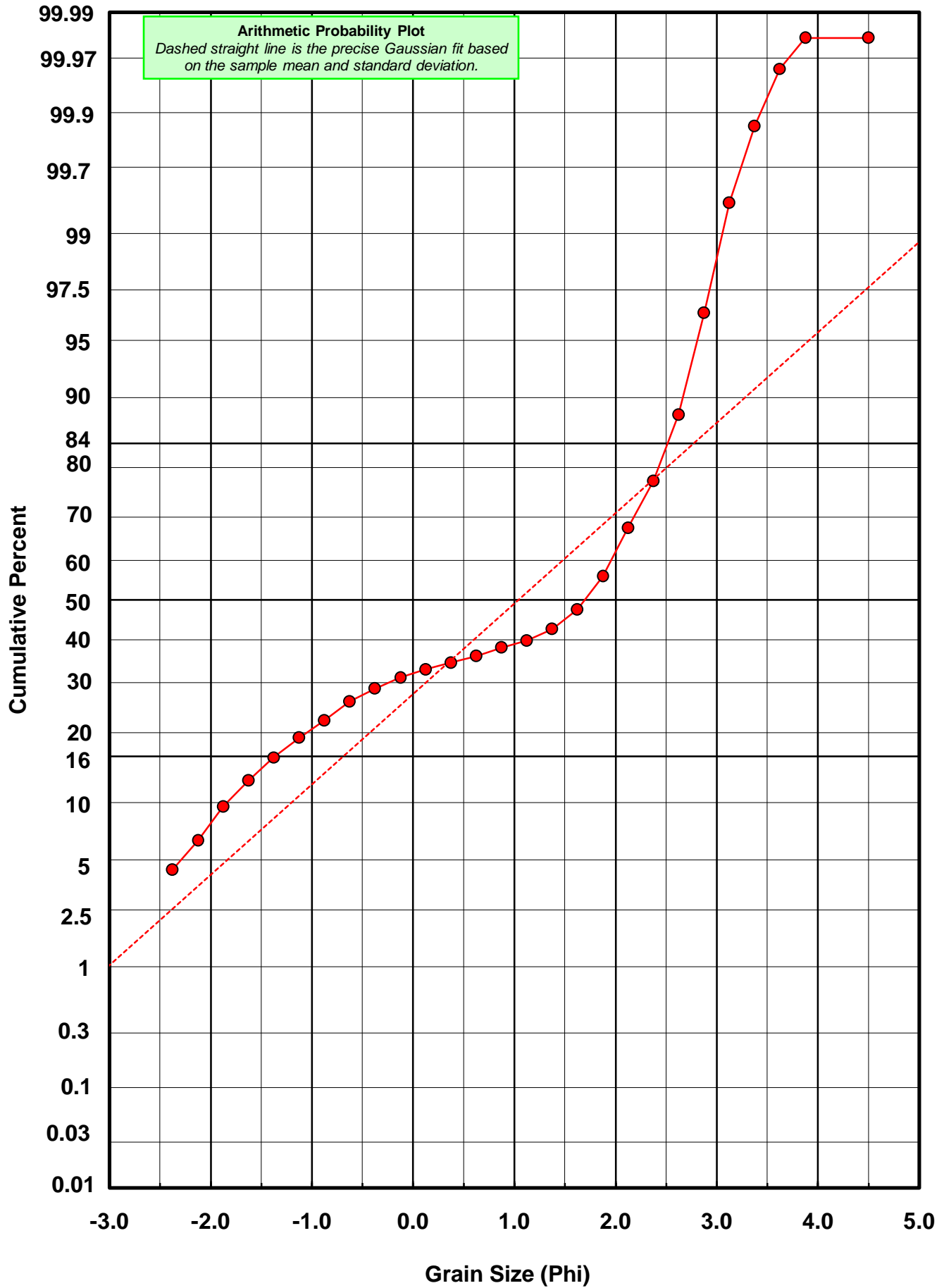
* RARD = reciprocal absolute relative dispersion (see below)

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-01



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: LE-01

Total Carbonate Mass: 24.036 grams

% Carbonate: 42.6 %

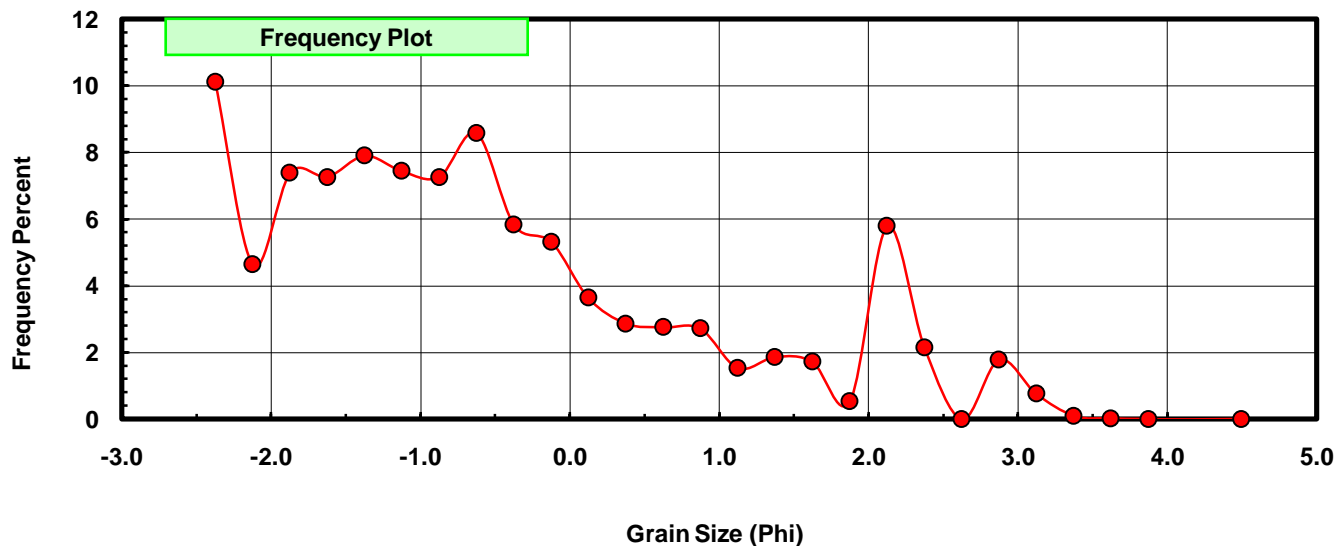
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	2.432	10.118	10.118
-2.00	-2.125	1.115	4.639	14.757
-1.75	-1.875	1.775	7.385	22.142
-1.50	-1.625	1.746	7.264	29.406
-1.25	-1.375	1.900	7.905	37.311
-1.00	-1.125	1.788	7.439	44.750
-0.75	-0.875	1.746	7.264	52.014
-0.50	-0.625	2.063	8.583	60.597
-0.25	-0.375	1.401	5.829	66.425
0.00	-0.125	1.278	5.317	71.742
0.25	0.125	0.875	3.640	75.383
0.50	0.375	0.688	2.862	78.245
0.75	0.625	0.662	2.754	80.999
1.00	0.875	0.654	2.721	83.720
1.25	1.125	0.367	1.527	85.247
1.50	1.375	0.448	1.864	87.111
1.75	1.625	0.414	1.722	88.833
2.00	1.875	0.131	0.545	89.378
2.25	2.125	1.391	5.787	95.166
2.50	2.375	0.518	2.155	97.321
2.75	2.625	0.000	0.000	97.321
3.00	2.875	0.430	1.789	99.110
3.25	3.125	0.184	0.766	99.875
3.50	3.375	0.023	0.096	99.971
3.75	3.625	0.006	0.025	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:	-0.5423	phi	(1.4563 mm)
Standard Dev:	1.4644	phi-units	(0.3624 mm)
Skewness:	0.7581	dimensionless	
Kurtosis:	2.6277	dimensionless	
5th Moment:	4.0749	dimensionless	
6th Moment:	10.1838	dimensionless	
RARD *	2.7003	dimensionless	
Median	-0.9443	phi	(1.9243 mm)

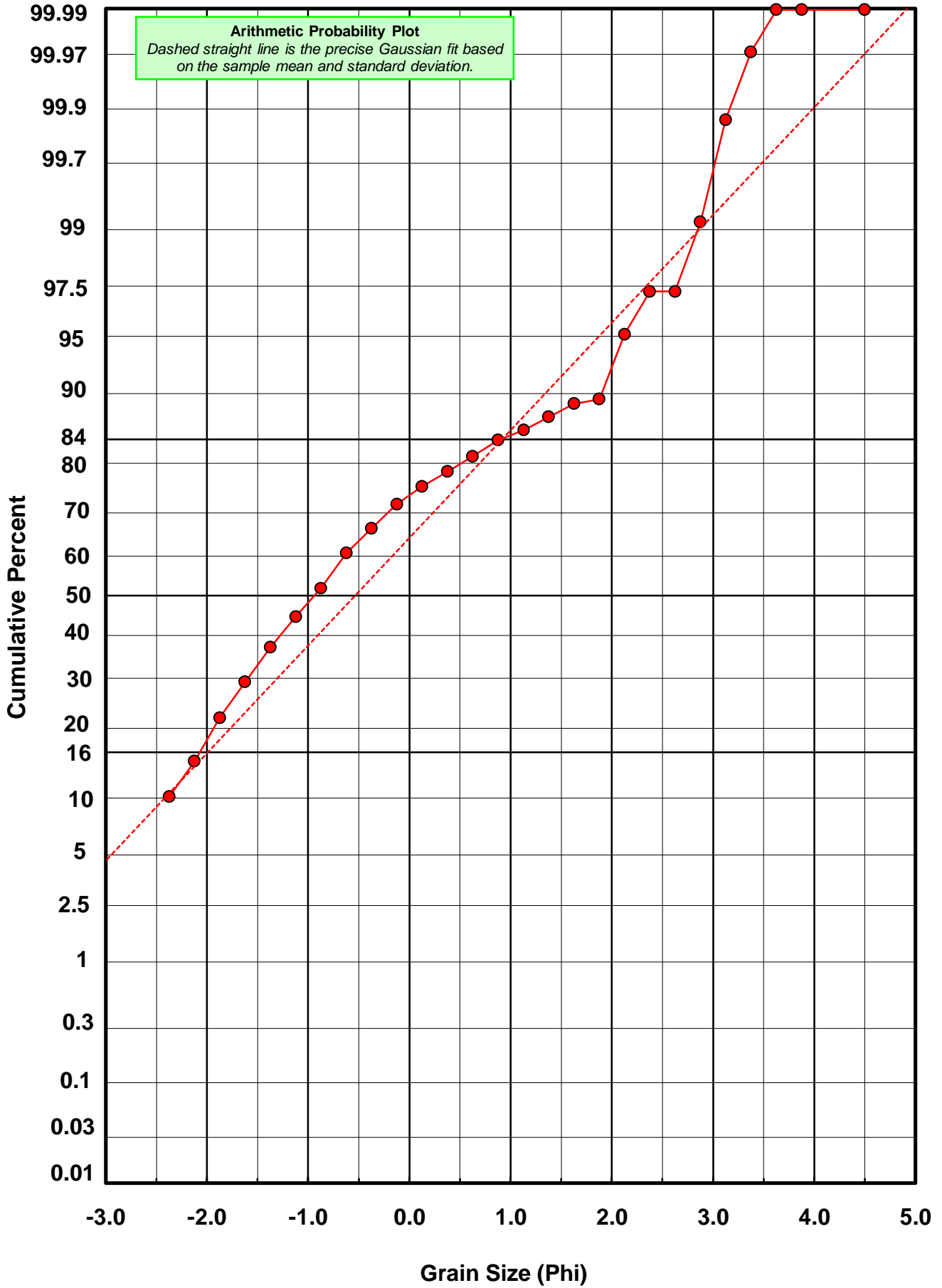
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Statistical Explanation	
Calculations based on the Method of Moments	
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0	
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0	
For Further Explanation, See Basille et al. 2002	
Millimeter data calculated by $mm = 2^{-(\phi)}$	

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LE-01



Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-01

Total Digested Mass: 32.031 grams

% Silica: 57.4 %

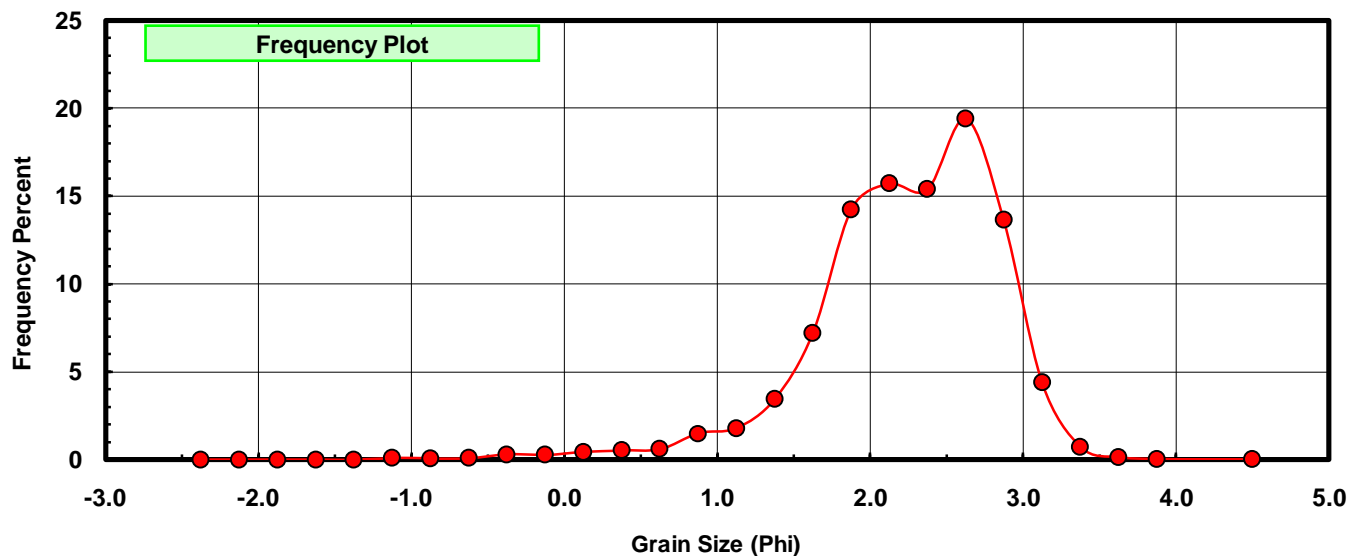
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.031	0.097	0.097
-0.75	-0.875	0.022	0.069	0.165
-0.50	-0.625	0.029	0.091	0.256
-0.25	-0.375	0.095	0.297	0.553
0.00	-0.125	0.090	0.281	0.834
0.25	0.125	0.138	0.431	1.264
0.50	0.375	0.170	0.531	1.795
0.75	0.625	0.190	0.593	2.388
1.00	0.875	0.481	1.502	3.890
1.25	1.125	0.569	1.776	5.666
1.50	1.375	1.103	3.444	9.110
1.75	1.625	2.310	7.212	16.322
2.00	1.875	4.558	14.230	30.552
2.25	2.125	5.031	15.707	46.258
2.50	2.375	4.926	15.379	61.637
2.75	2.625	6.214	19.400	81.037
3.00	2.875	4.369	13.640	94.677
3.25	3.125	1.406	4.389	99.067
3.50	3.375	0.232	0.724	99.791
3.75	3.625	0.045	0.140	99.931
4.00	3.875	0.013	0.041	99.972
5.00	4.500	0.009	0.028	100.000

Statistical Results			
Mean:	2.2370	phi	(0.2121 mm)
Standard Dev:	0.6212	phi-units	(0.6501 mm)
Skewness:	-1.2003	dimensionless	
Kurtosis:	5.9346	dimensionless	
5th Moment:	-19.6640	dimensionless	
6th Moment:	88.1135	dimensionless	
RARD *	0.2777	dimensionless	
Median	2.1858	phi	(0.2198 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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