

Onshore Grab Sample

Sample: LE-30-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/13/10
Splits? N/A

County: Lee
Latitude: 26° 26' 44.3"
Longitude: 82° 08' 15.3"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 0 grams
Total Fines in Sample 0.014 grams
Total Percent Fines 100.00 %

Dry Sieving Summary

Total Sample Weight 64.548 grams
Total Digested Weight 17.181 grams
Total Carbonate Weight 47.367 grams
Total Silica % 26.62 %
Total Carbonate % 73.38 %
Carbonate/Silica Ratio 2.757

General Comments:

Forgot to weigh sample before Wet Sieving

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-30-BB

Total Sample Mass: 64.548 grams

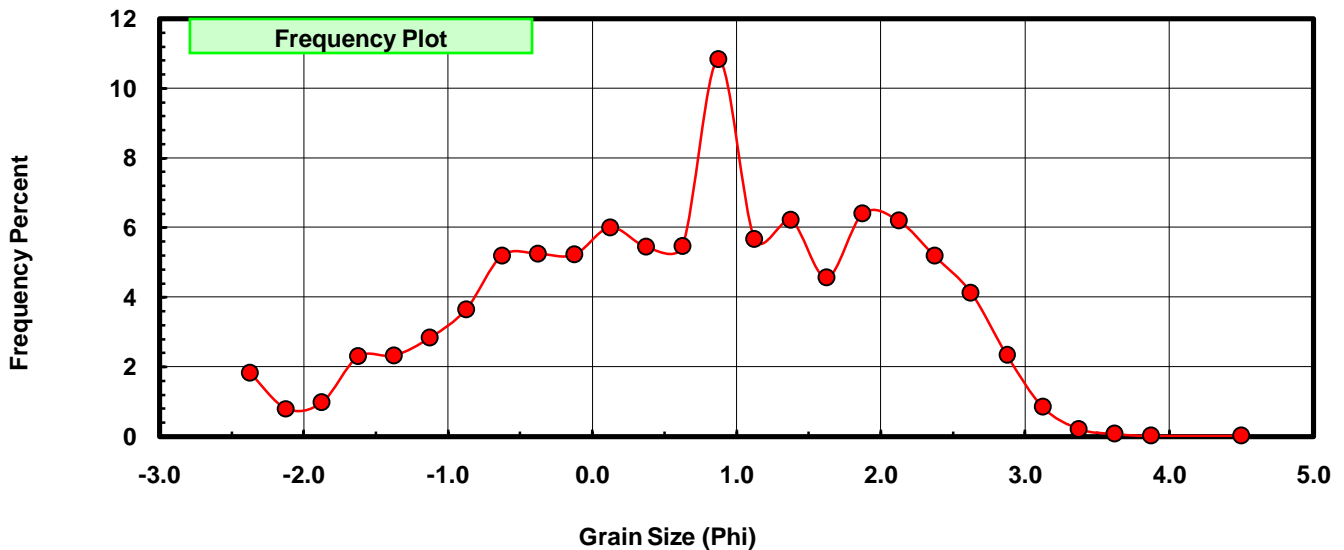
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	1.182	1.831	1.831
-2.00	-2.125	0.521	0.807	2.638
-1.75	-1.875	0.636	0.985	3.624
-1.50	-1.625	1.483	2.298	5.921
-1.25	-1.375	1.503	2.328	8.250
-1.00	-1.125	1.832	2.838	11.088
-0.75	-0.875	2.358	3.653	14.741
-0.50	-0.625	3.350	5.190	19.931
-0.25	-0.375	3.385	5.244	25.175
0.00	-0.125	3.370	5.221	30.396
0.25	0.125	3.875	6.003	36.399
0.50	0.375	3.514	5.444	41.843
0.75	0.625	3.533	5.473	47.317
1.00	0.875	6.985	10.821	58.138
1.25	1.125	3.653	5.659	63.797
1.50	1.375	4.015	6.220	70.018
1.75	1.625	2.944	4.561	74.579
2.00	1.875	4.133	6.403	80.982
2.25	2.125	3.997	6.192	87.174
2.50	2.375	3.346	5.184	92.358
2.75	2.625	2.663	4.126	96.483
3.00	2.875	1.511	2.341	98.824
3.25	3.125	0.545	0.844	99.668
3.50	3.375	0.138	0.214	99.882
3.75	3.625	0.049	0.076	99.958
4.00	3.875	0.013	0.020	99.978
5.00	4.50	0.014	0.022	100.000

Statistical Results			
Mean:	0.6976	phi	(0.6166 mm)
Standard Dev:	1.3165	phi-units	(0.4015 mm)
Skewness:	-0.2627	dimensionless	
Kurtosis:	2.3431	dimensionless	
5th Moment:	-1.6319	dimensionless	
6th Moment:	7.8264	dimensionless	
RARD *	1.8872	dimensionless	
Median	0.6870	phi	(0.6211 mm)

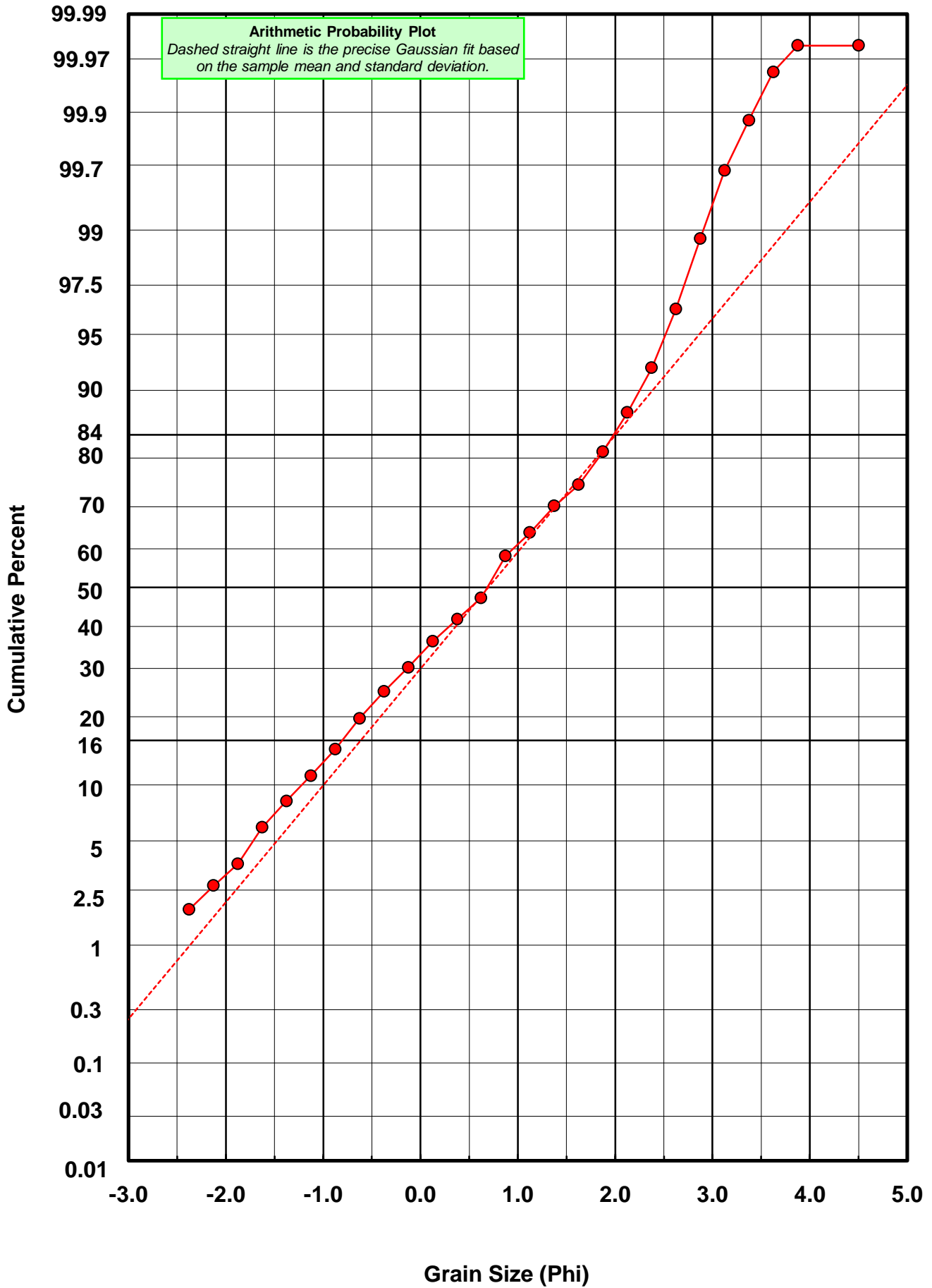
* RARD = reciprocal absolute relative dispersion (see below)

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-30-BB



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: LE-30-BB

Total Carbonate Mass: 47.367 grams

% Carbonate: 73.4 %

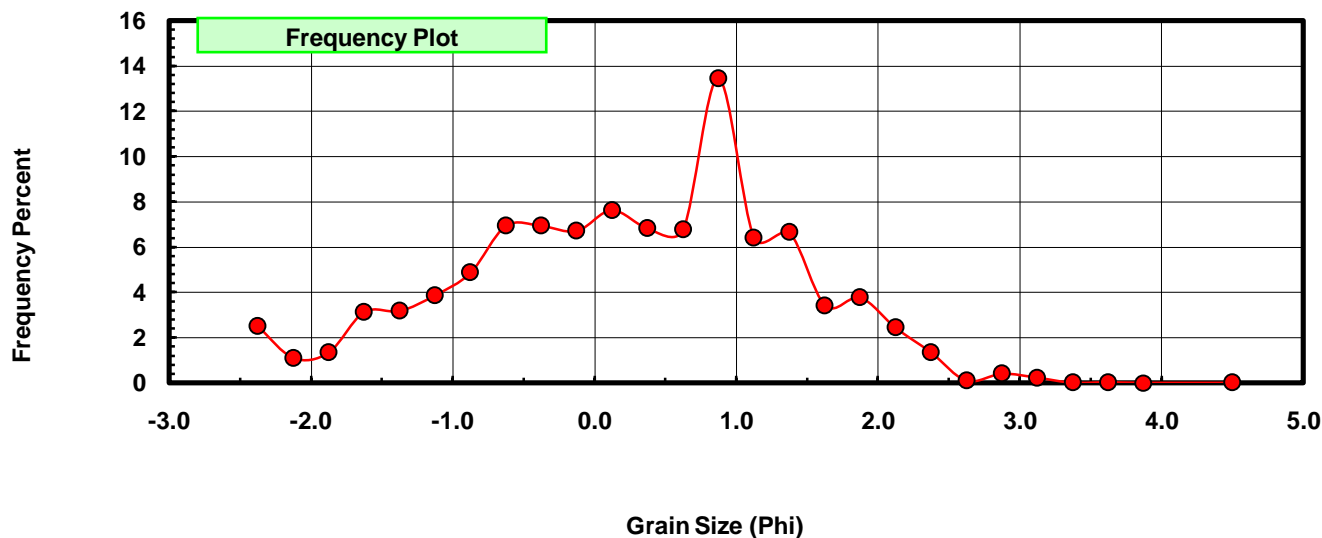
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	1.182	2.495	2.495
-2.00	-2.125	0.521	1.100	3.595
-1.75	-1.875	0.636	1.343	4.938
-1.50	-1.625	1.483	3.131	8.069
-1.25	-1.375	1.503	3.173	11.242
-1.00	-1.125	1.832	3.868	15.110
-0.75	-0.875	2.305	4.866	19.976
-0.50	-0.625	3.285	6.935	26.911
-0.25	-0.375	3.282	6.929	33.840
0.00	-0.125	3.180	6.714	40.554
0.25	0.125	3.614	7.630	48.183
0.50	0.375	3.230	6.819	55.002
0.75	0.625	3.205	6.766	61.769
1.00	0.875	6.370	13.448	75.217
1.25	1.125	3.039	6.416	81.633
1.50	1.375	3.149	6.648	88.281
1.75	1.625	1.618	3.416	91.697
2.00	1.875	1.785	3.768	95.465
2.25	2.125	1.153	2.434	97.899
2.50	2.375	0.635	1.341	99.240
2.75	2.625	0.043	0.091	99.331
3.00	2.875	0.190	0.401	99.732
3.25	3.125	0.106	0.224	99.956
3.50	3.375	0.005	0.011	99.966
3.75	3.625	0.009	0.019	99.985
4.00	3.875	0.001	0.002	99.987
5.00	4.500	0.006	0.013	100.000

Statistical Results			
Mean:	0.2249	phi	(0.8557 mm)
Standard Dev:	1.1421	phi-units	(0.4531 mm)
Skewness:	-0.2316	dimensionless	
Kurtosis:	2.5356	dimensionless	
5th Moment:	-1.1448	dimensionless	
6th Moment:	9.5017	dimensionless	
RARD *	5.0793	dimensionless	
Median	0.1916	phi	(0.8756 mm)

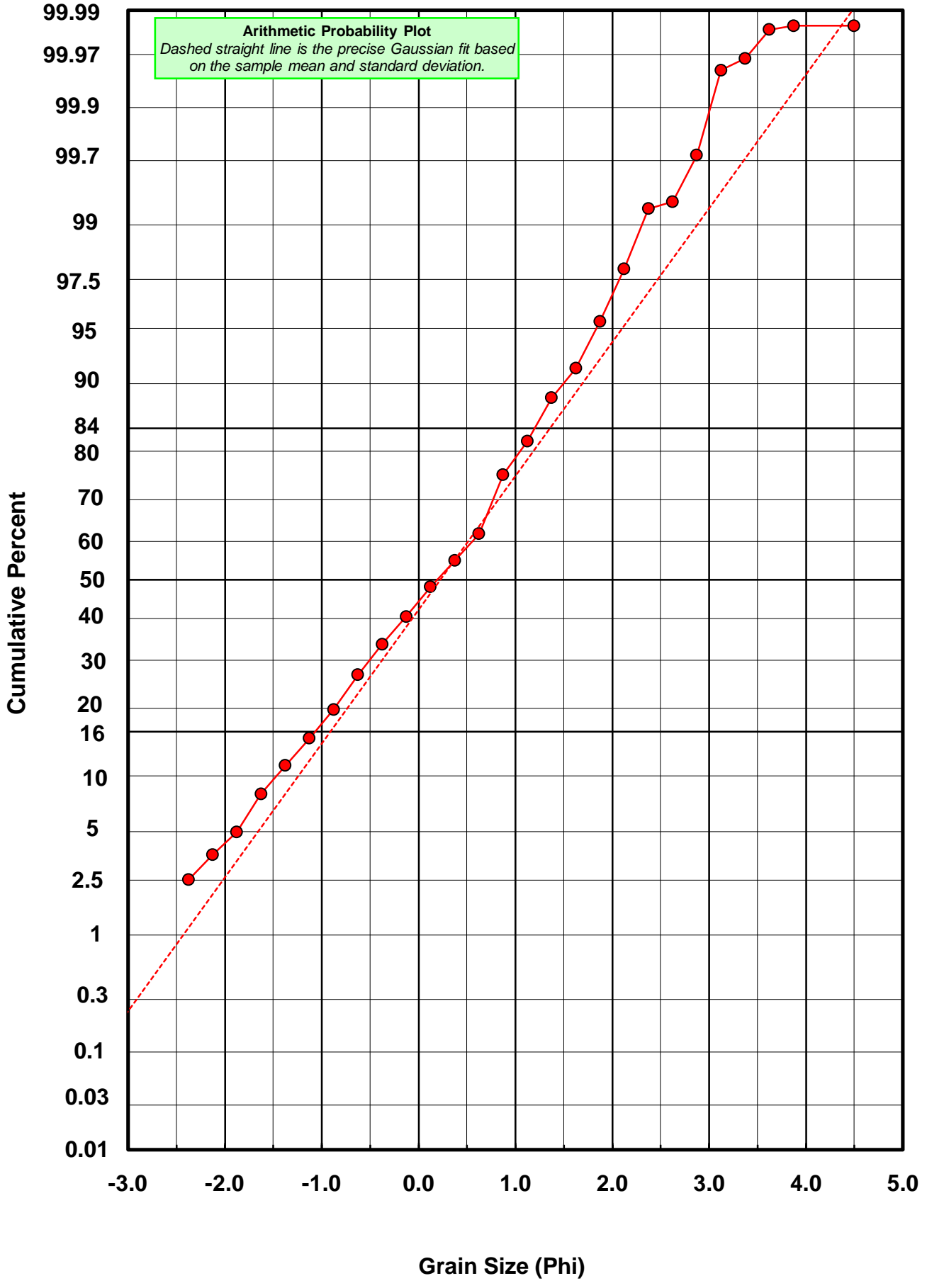
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Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0	
For Further Explanation, See Basille et al. 2002	
Millimeter data calculated by $mm = 2^{-(\phi)}$	

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LE-30-BB



Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-30-BB

Total Digested Mass: 17.181 grams

% Silica: 26.6 %

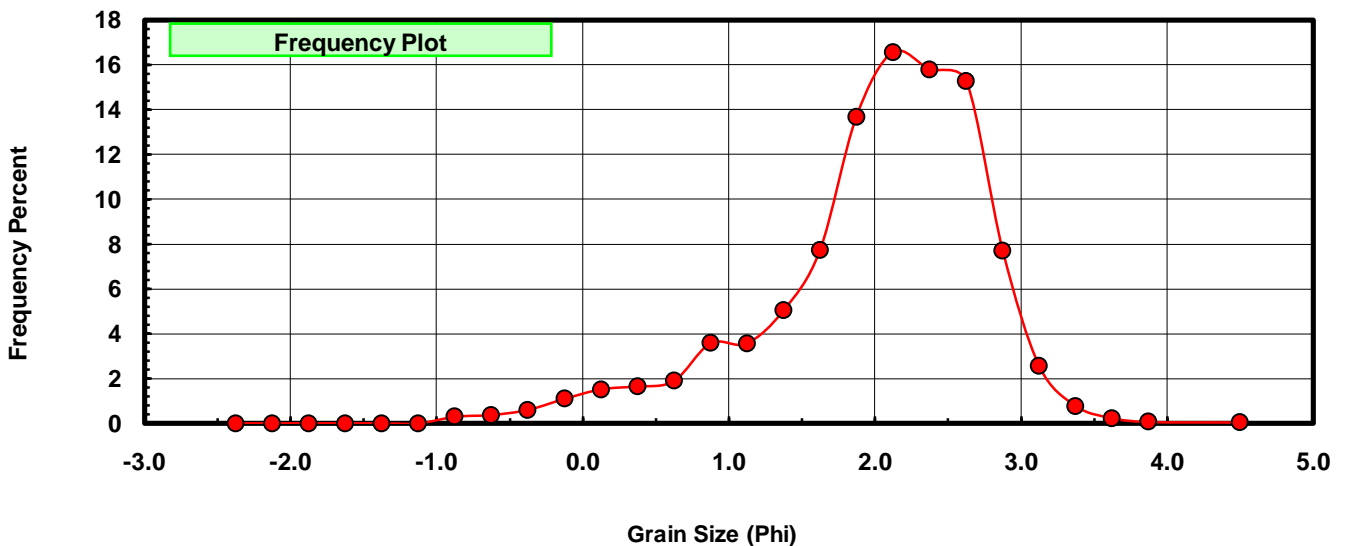
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.053	0.308	0.308
-0.50	-0.625	0.065	0.378	0.687
-0.25	-0.375	0.103	0.599	1.286
0.00	-0.125	0.190	1.106	2.392
0.25	0.125	0.261	1.519	3.911
0.50	0.375	0.284	1.653	5.564
0.75	0.625	0.328	1.909	7.473
1.00	0.875	0.615	3.580	11.053
1.25	1.125	0.614	3.574	14.627
1.50	1.375	0.866	5.040	19.667
1.75	1.625	1.326	7.718	27.385
2.00	1.875	2.348	13.666	41.051
2.25	2.125	2.844	16.553	57.604
2.50	2.375	2.711	15.779	73.383
2.75	2.625	2.620	15.249	88.633
3.00	2.875	1.321	7.689	96.322
3.25	3.125	0.439	2.555	98.877
3.50	3.375	0.133	0.774	99.651
3.75	3.625	0.040	0.233	99.884
4.00	3.875	0.012	0.070	99.953
5.00	4.500	0.008	0.047	100.000

Statistical Results			
Mean:	2.0009	phi	(0.2498 mm)
Standard Dev:	0.7817	phi-units	(0.5817 mm)
Skewness:	-1.0363	dimensionless	
Kurtosis:	4.1238	dimensionless	
5th Moment:	-9.1310	dimensionless	
6th Moment:	30.7476	dimensionless	
RARD *	0.3907	dimensionless	
Median	2.0102	phi	(0.2482 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	
Millimeter data calculated by $mm = 2^{-(\phi)}$	

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