

Onshore Grab Sample

Sample: LE-05-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/12/10
Splits? N/A

County: Lee
Latitude: 26° 43' 52.3"
Longitude: 82° 15' 49.4"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 70.529 grams
Total Fines in Sample 0.591 grams
Total Percent Fines 0.83 %

Dry Sieving Summary

Total Sample Weight 70.246 grams
Total Digested Weight 41.022 grams
Total Carbonate Weight 29.224 grams
Total Silica % 58.40 %
Total Carbonate % 41.60 %
Carbonate/Silica Ratio 0.712

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-05-BB

Total Sample Mass: 70.246 grams

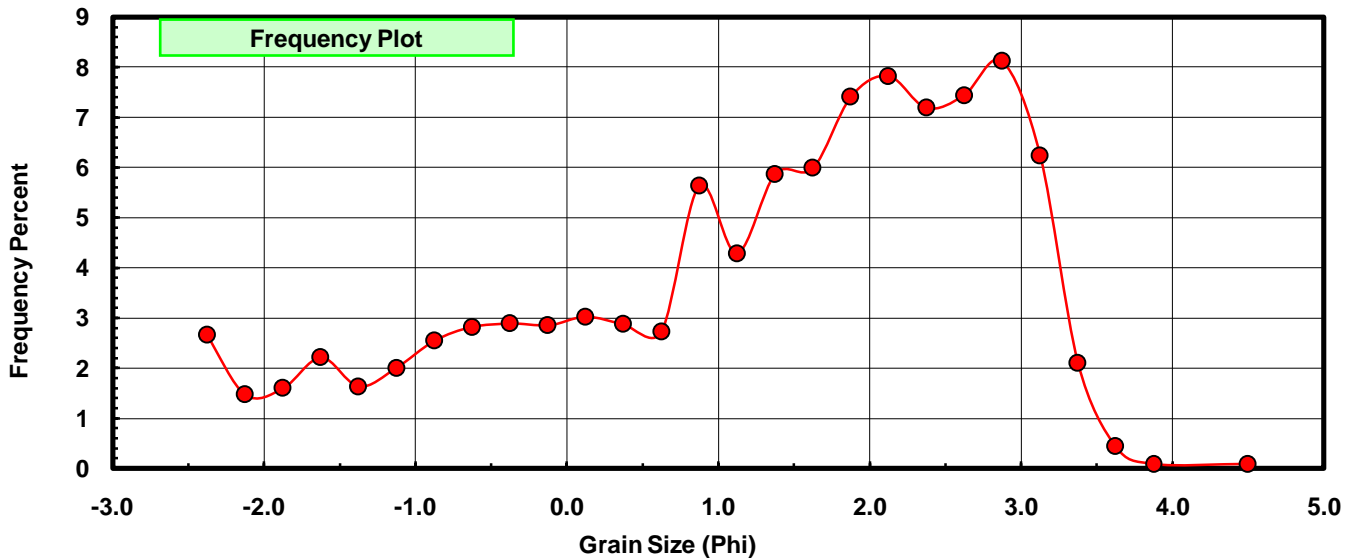
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	1.866	2.656	2.656
-2.00	-2.125	1.034	1.472	4.128
-1.75	-1.875	1.122	1.597	5.726
-1.50	-1.625	1.554	2.212	7.938
-1.25	-1.375	1.147	1.633	9.571
-1.00	-1.125	1.406	2.002	11.572
-0.75	-0.875	1.785	2.541	14.113
-0.50	-0.625	1.978	2.816	16.929
-0.25	-0.375	2.029	2.888	19.817
0.00	-0.125	2.004	2.853	22.670
0.25	0.125	2.122	3.021	25.691
0.50	0.375	2.018	2.873	28.564
0.75	0.625	1.913	2.723	31.287
1.00	0.875	3.958	5.634	36.922
1.25	1.125	3.010	4.285	41.207
1.50	1.375	4.121	5.867	47.073
1.75	1.625	4.206	5.988	53.061
2.00	1.875	5.205	7.410	60.470
2.25	2.125	5.496	7.824	68.294
2.50	2.375	5.052	7.192	75.486
2.75	2.625	5.226	7.440	82.926
3.00	2.875	5.704	8.120	91.046
3.25	3.125	4.381	6.237	97.282
3.50	3.375	1.477	2.103	99.385
3.75	3.625	0.309	0.440	99.825
4.00	3.875	0.061	0.087	99.912
5.00	4.50	0.062	0.088	100.000

Statistical Results			
Mean:	1.2415	phi	(0.4229 mm)
Standard Dev:	1.5613	phi-units	(0.3388 mm)
Skewness:	-0.6957	dimensionless	
Kurtosis:	2.4889	dimensionless	
5th Moment:	-3.5882	dimensionless	
6th Moment:	9.1007	dimensionless	
RARD *	1.2576	dimensionless	
Median	1.4972	phi	(0.3542 mm)

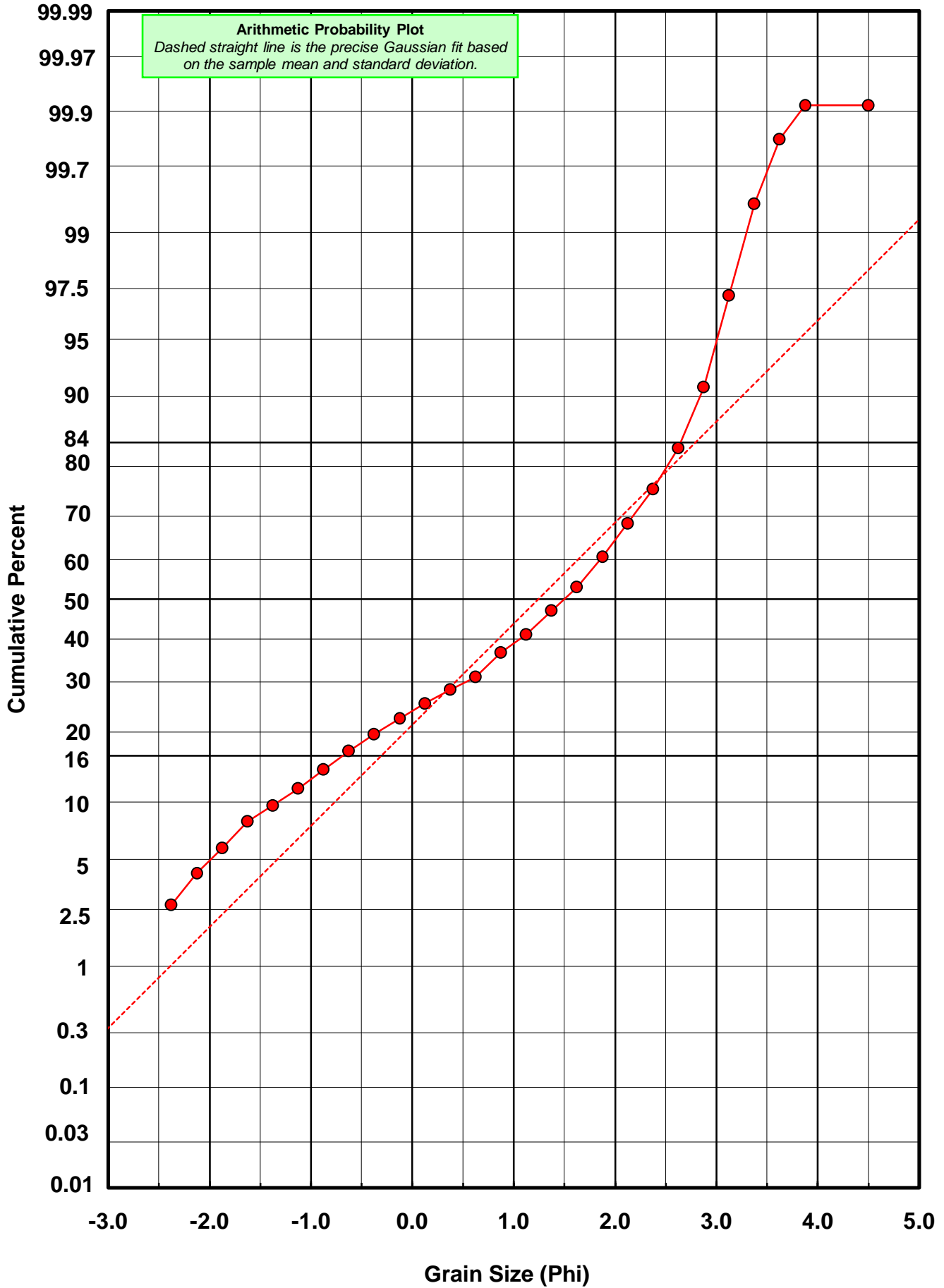
* RARD = reciprocal absolute relative dispersion (see below)

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-05-BB



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: LE-05-BB

Total Carbonate Mass: 29.964 grams

% Carbonate: 41.6 %

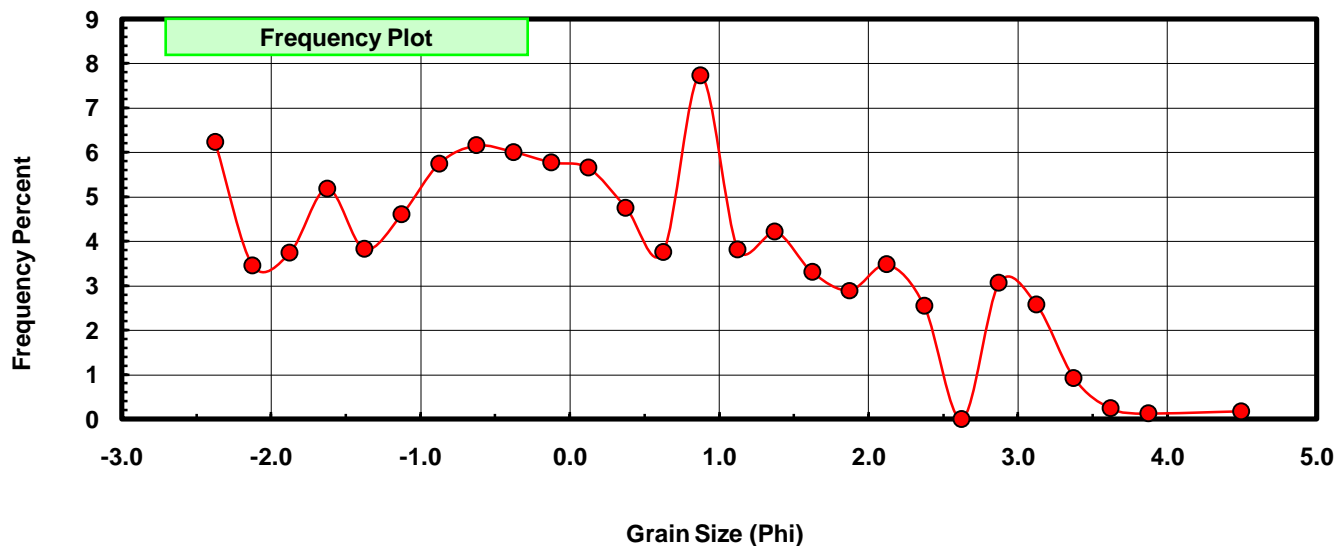
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	1.866	6.227	6.227
-2.00	-2.125	1.034	3.451	9.678
-1.75	-1.875	1.122	3.744	13.423
-1.50	-1.625	1.554	5.186	18.609
-1.25	-1.375	1.147	3.828	22.437
-1.00	-1.125	1.381	4.609	27.046
-0.75	-0.875	1.722	5.747	32.793
-0.50	-0.625	1.844	6.154	38.947
-0.25	-0.375	1.799	6.004	44.951
0.00	-0.125	1.730	5.774	50.724
0.25	0.125	1.693	5.650	56.374
0.50	0.375	1.424	4.752	61.127
0.75	0.625	1.126	3.758	64.885
1.00	0.875	2.317	7.733	72.617
1.25	1.125	1.143	3.815	76.432
1.50	1.375	1.264	4.218	80.650
1.75	1.625	0.992	3.311	83.961
2.00	1.875	0.869	2.900	86.861
2.25	2.125	1.042	3.478	90.338
2.50	2.375	0.762	2.543	92.881
2.75	2.625	0.000	0.000	92.881
3.00	2.875	0.920	3.070	95.952
3.25	3.125	0.774	2.583	98.535
3.50	3.375	0.277	0.924	99.459
3.75	3.625	0.072	0.240	99.700
4.00	3.875	0.038	0.127	99.826
5.00	4.500	0.052	0.174	100.000

Statistical Results			
Mean:	0.0824	phi	(0.9445 mm)
Standard Dev:	1.5670	phi-units	(0.3375 mm)
Skewness:	0.2719	dimensionless	
Kurtosis:	2.2100	dimensionless	
5th Moment:	1.6468	dimensionless	
6th Moment:	6.8357	dimensionless	
RARD *	19.0245	dimensionless	
Median	-0.1564	phi	(1.1145 mm)

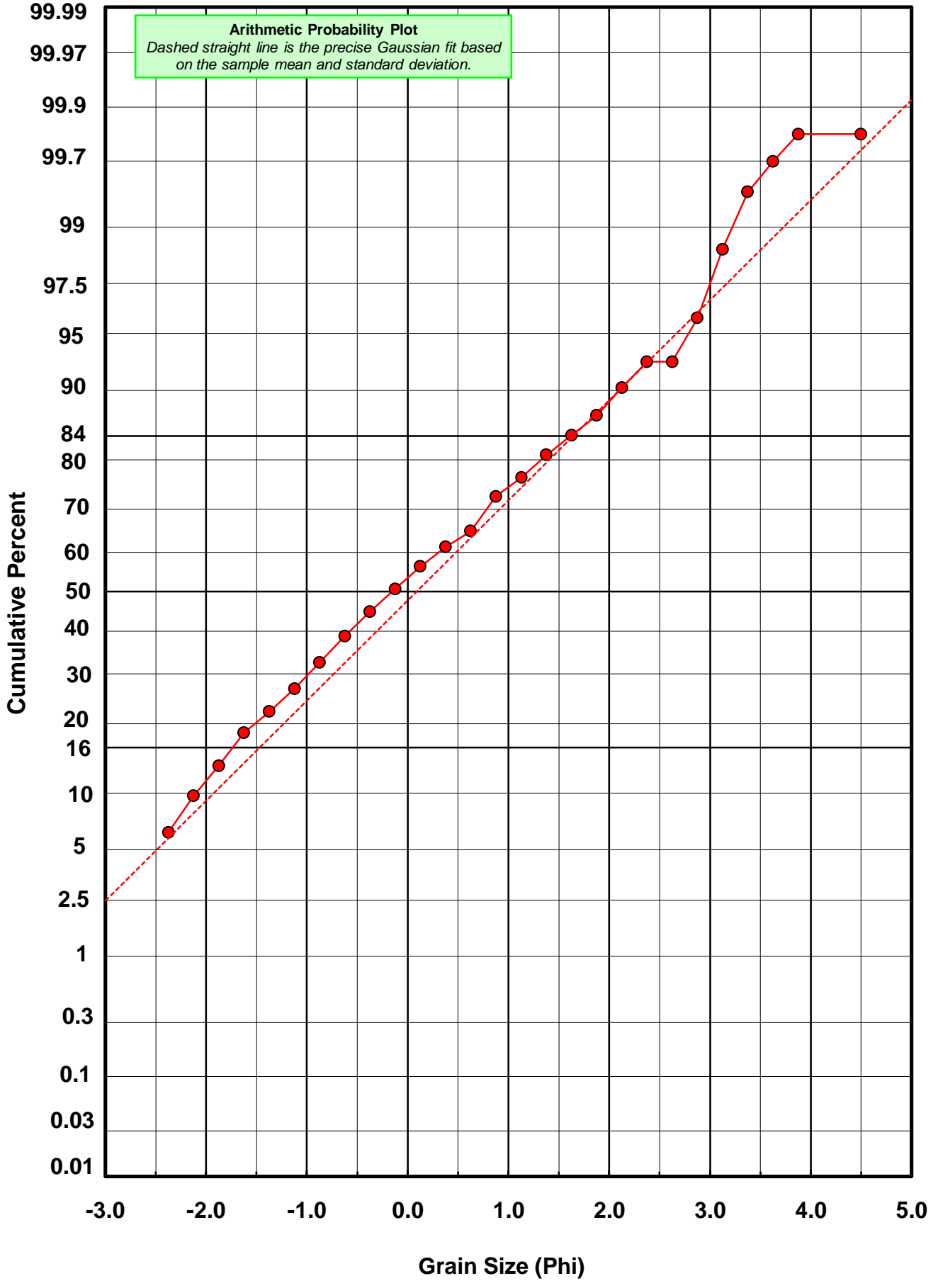
* RARD = reciprocal absolute relative dispersion (see below)

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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LE-05-BB



Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-05-BB

Total Digested Mass: 41.022 grams

% Silica: 58.4 %

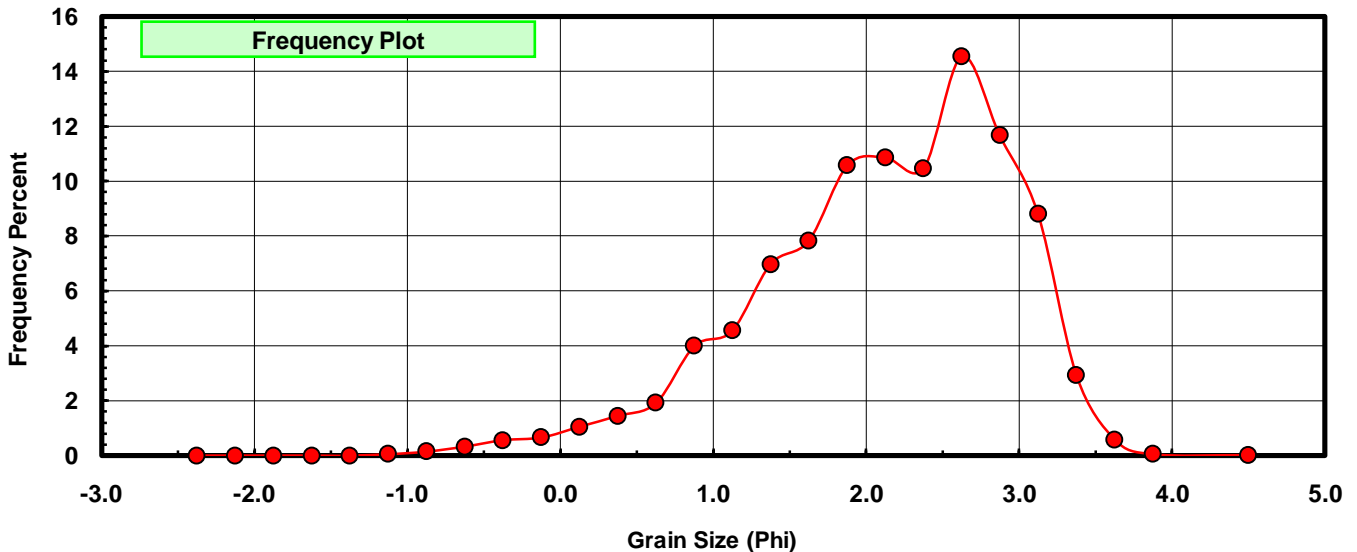
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.025	0.061	0.061
-0.75	-0.875	0.063	0.154	0.215
-0.50	-0.625	0.134	0.327	0.541
-0.25	-0.375	0.230	0.561	1.102
0.00	-0.125	0.274	0.668	1.770
0.25	0.125	0.429	1.046	2.816
0.50	0.375	0.594	1.448	4.264
0.75	0.625	0.787	1.918	6.182
1.00	0.875	1.641	4.000	10.182
1.25	1.125	1.867	4.551	14.734
1.50	1.375	2.857	6.965	21.698
1.75	1.625	3.214	7.835	29.533
2.00	1.875	4.336	10.570	40.103
2.25	2.125	4.454	10.858	50.960
2.50	2.375	4.290	10.458	61.418
2.75	2.625	5.966	14.543	75.962
3.00	2.875	4.784	11.662	87.624
3.25	3.125	3.607	8.793	96.417
3.50	3.375	1.200	2.925	99.342
3.75	3.625	0.237	0.578	99.920
4.00	3.875	0.023	0.056	99.976
5.00	4.500	0.010	0.024	100.000

Statistical Results			
Mean:	2.1130	phi	(0.2312 mm)
Standard Dev:	0.8316	phi-units	(0.5619 mm)
Skewness:	-0.7495	dimensionless	
Kurtosis:	3.3602	dimensionless	
5th Moment:	-6.6252	dimensionless	
6th Moment:	22.2033	dimensionless	
RARD *	0.3935	dimensionless	
Median	2.1029	phi	(0.2328 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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