

## Onshore Grab Sample

Sample: LE-45-BB  
Sample Taken By: D. Phelps  
Sample Collected On: 1/14/10  
Splits? N/A

County: Lee  
Latitude: 26° 25' 16.2"  
Longitude: 81° 54' 23.7"  
Datum: WGS 84  
Surf. Elev: N/A  
Datum: N/A

### Fine Data Summary

Total Sample Weight	58.939 grams
Total Fines in Sample	0.212 grams
Total Percent Fines	0.36 %

### Dry Sieving Summary

Total Sample Weight	58.780 grams
Total Digested Weight	53.416 grams
Total Carbonate Weight	5.364 grams
Total Silica %	90.87 %
Total Carbonate %	9.13 %
Carbonate/Silica Ratio	0.100

### General Comments:

None

### Description

Worked By: M. Ladle

# Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-45-BB

Total Sample Mass: 58.780 grams

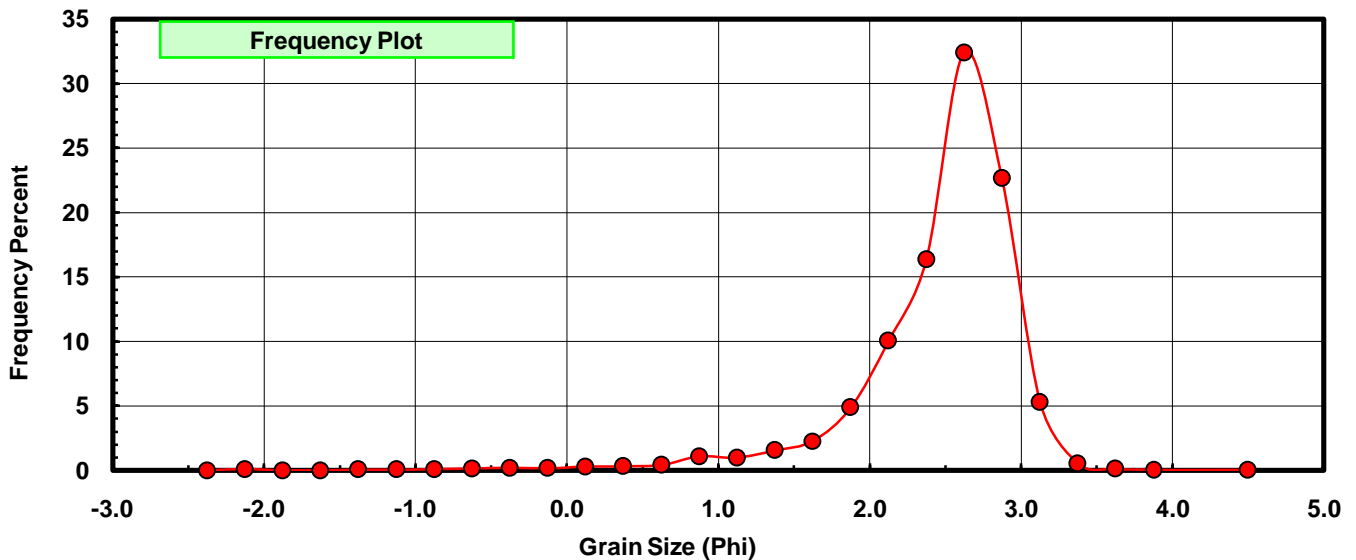
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.050	0.085	0.085
-1.75	-1.875	0.000	0.000	0.085
-1.50	-1.625	0.000	0.000	0.085
-1.25	-1.375	0.034	0.058	0.143
-1.00	-1.125	0.042	0.071	0.214
-0.75	-0.875	0.049	0.083	0.298
-0.50	-0.625	0.080	0.136	0.434
-0.25	-0.375	0.114	0.194	0.628
0.00	-0.125	0.092	0.157	0.784
0.25	0.125	0.169	0.288	1.072
0.50	0.375	0.181	0.308	1.380
0.75	0.625	0.239	0.407	1.786
1.00	0.875	0.633	1.077	2.863
1.25	1.125	0.584	0.994	3.857
1.50	1.375	0.909	1.546	5.403
1.75	1.625	1.343	2.285	7.688
2.00	1.875	2.867	4.878	12.565
2.25	2.125	5.907	10.049	22.615
2.50	2.375	9.606	16.342	38.957
2.75	2.625	19.041	32.394	71.351
3.00	2.875	13.332	22.681	94.032
3.25	3.125	3.108	5.288	99.319
3.50	3.375	0.309	0.526	99.845
3.75	3.625	0.062	0.105	99.951
4.00	3.875	0.016	0.027	99.978
5.00	4.50	0.013	0.022	100.000

Statistical Results			
Mean:	2.4615	phi	(0.1816 mm)
Standard Dev:	0.5645	phi-units	(0.6762 mm)
Skewness:	-2.5588	dimensionless	
Kurtosis:	14.0296	dimensionless	
5th Moment:	-79.2510	dimensionless	
6th Moment:	511.3925	dimensionless	
RARD *	0.2293	dimensionless	
Median	2.4602	phi	(0.1817 mm)

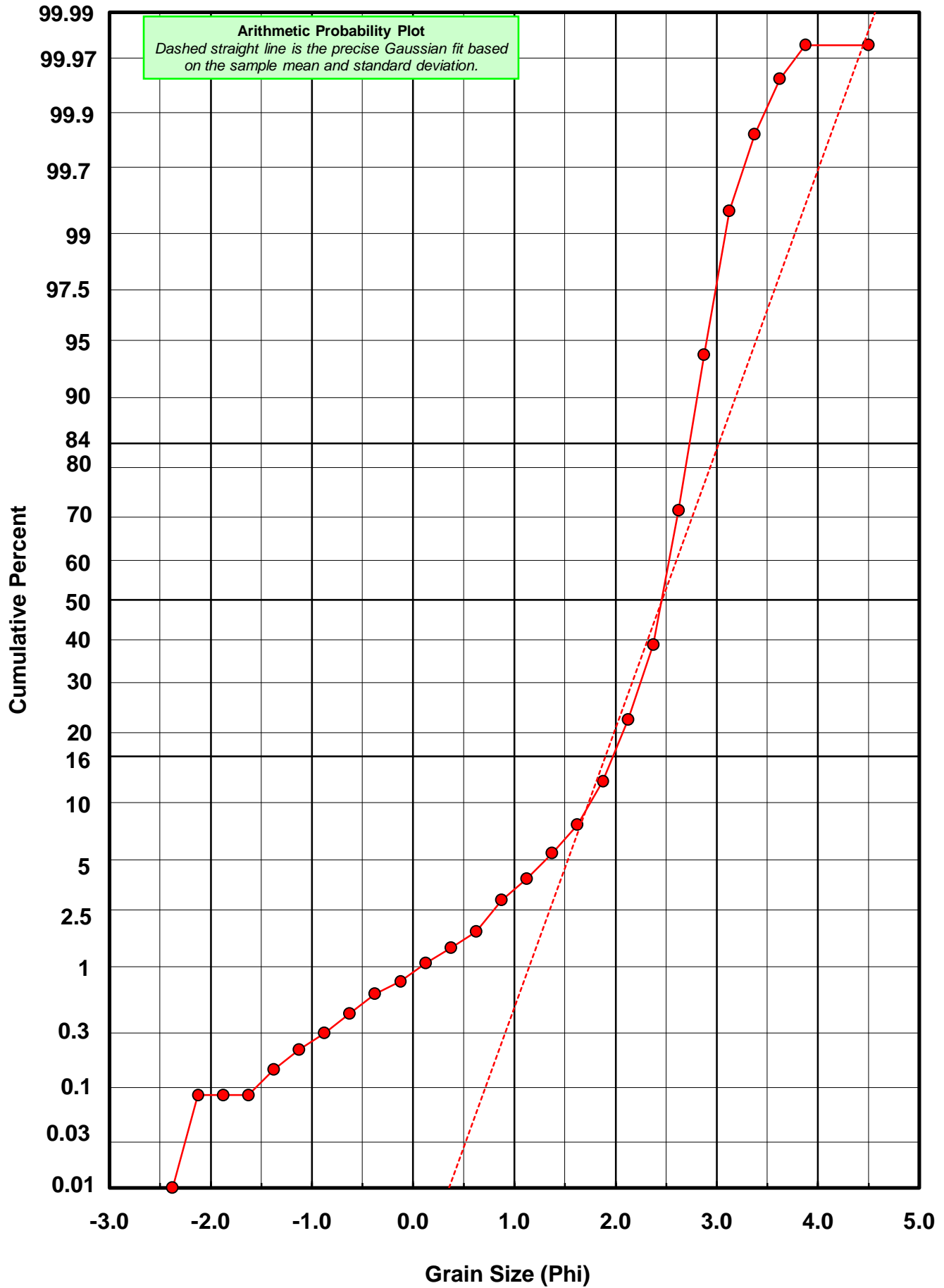
\* RARD = reciprocal absolute relative dispersion (see below)

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-45-BB



# Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: LE-45-BB

Total Carbonate Mass: 6.213 grams

% Carbonate: 9.1 %

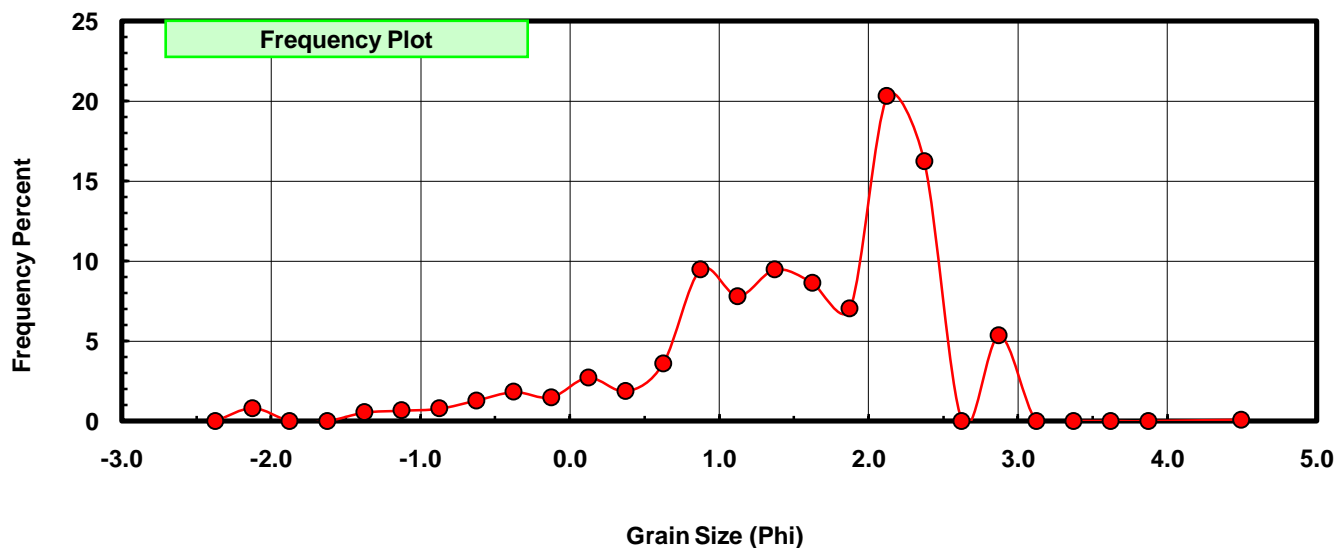
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.050	0.805	0.805
-1.75	-1.875	0.000	0.000	0.805
-1.50	-1.625	0.000	0.000	0.805
-1.25	-1.375	0.034	0.547	1.352
-1.00	-1.125	0.042	0.676	2.028
-0.75	-0.875	0.049	0.789	2.817
-0.50	-0.625	0.080	1.288	4.104
-0.25	-0.375	0.114	1.835	5.939
0.00	-0.125	0.092	1.481	7.420
0.25	0.125	0.169	2.720	10.140
0.50	0.375	0.116	1.867	12.007
0.75	0.625	0.224	3.605	15.612
1.00	0.875	0.588	9.464	25.076
1.25	1.125	0.485	7.806	32.883
1.50	1.375	0.589	9.480	42.363
1.75	1.625	0.537	8.643	51.006
2.00	1.875	0.437	7.034	58.040
2.25	2.125	1.262	20.312	78.352
2.50	2.375	1.008	16.224	94.576
2.75	2.625	0.000	0.000	94.576
3.00	2.875	0.332	5.344	99.920
3.25	3.125	0.000	0.000	99.920
3.50	3.375	0.000	0.000	99.920
3.75	3.625	0.000	0.000	99.920
4.00	3.875	0.000	0.000	99.920
5.00	4.500	0.005	0.080	100.000

Statistical Results			
Mean:	1.5245	phi	(0.3476 mm)
Standard Dev:	0.9372	phi-units	(0.5222 mm)
Skewness:	-1.1420	dimensionless	
Kurtosis:	4.6209	dimensionless	
5th Moment:	-12.1259	dimensionless	
6th Moment:	43.9292	dimensionless	
RARD *	0.6147	dimensionless	
Median	1.5959	phi	(0.3308 mm)

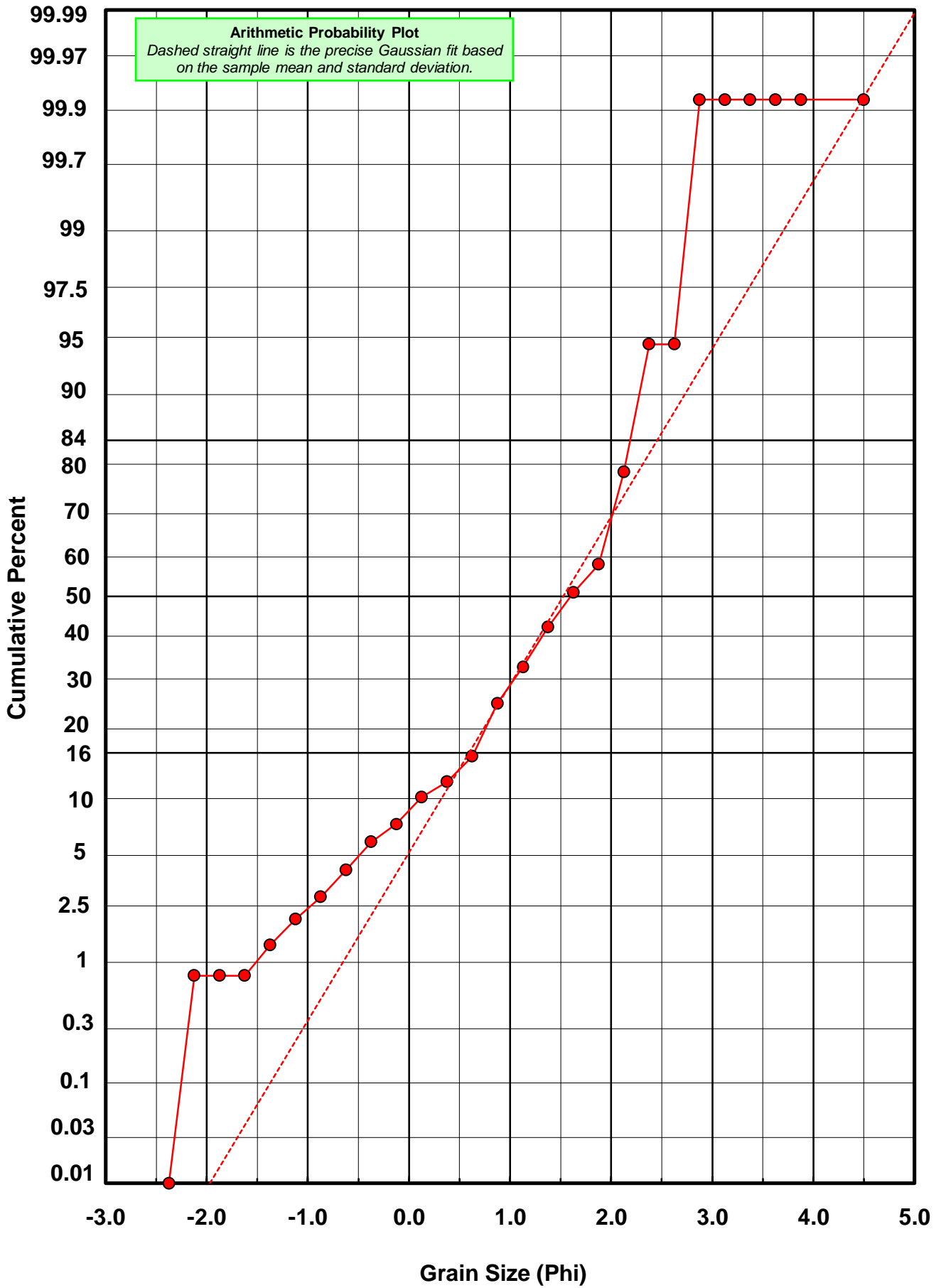
\* RARD = reciprocal absolute relative dispersion (see below)

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	
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# LE-45-BB



# Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-45-BB

Total Digested Mass: 53.416 grams

% Silica: 90.9 %

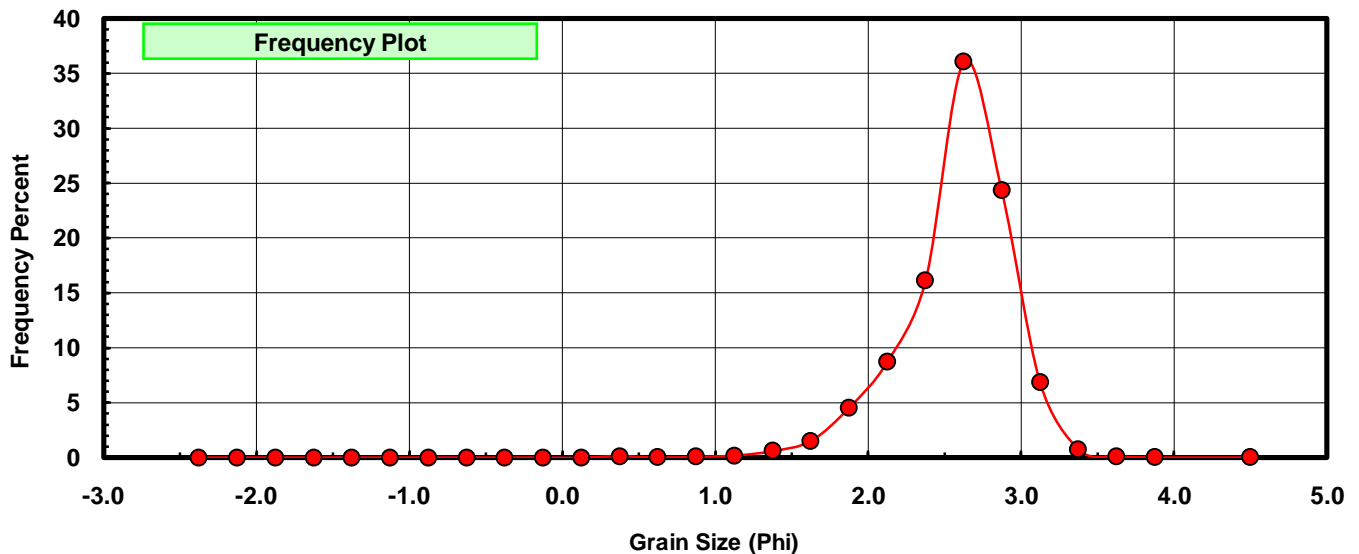
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.000	0.000	0.000
0.50	0.375	0.065	0.122	0.122
0.75	0.625	0.015	0.028	0.150
1.00	0.875	0.045	0.084	0.234
1.25	1.125	0.099	0.185	0.419
1.50	1.375	0.320	0.599	1.018
1.75	1.625	0.806	1.509	2.527
2.00	1.875	2.430	4.549	7.077
2.25	2.125	4.645	8.696	15.772
2.50	2.375	8.598	16.096	31.869
2.75	2.625	19.244	36.027	67.895
3.00	2.875	13.000	24.337	92.233
3.25	3.125	3.655	6.843	99.075
3.50	3.375	0.403	0.754	99.830
3.75	3.625	0.066	0.124	99.953
4.00	3.875	0.017	0.032	99.985
5.00	4.500	0.008	0.015	100.000

Statistical Results			
Mean:	2.5797	phi	(0.1673 mm)
Standard Dev:	0.3677	phi-units	(0.775 mm)
Skewness:	-1.0197	dimensionless	
Kurtosis:	5.7984	dimensionless	
5th Moment:	-18.1362	dimensionless	
6th Moment:	100.7719	dimensionless	
RARD *	0.1425	dimensionless	
Median	2.5008	phi	(0.1767 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)
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