

Onshore Grab Sample

Sample: GF-30-BB
Sample Taken By: D. Phelps
Sample Collected On: 12/10/10
Splits? N/A

County: Gulf
Latitude: 29° 40' 47.1" N
Longitude: 85° 13' 39.6" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	49.692 grams
Total Fines in Sample	0.021 grams
Total Percent Fines	0.04 %

Dry Sieving Summary

Total Sample Weight	49.375 grams
Total Digested Weight	43.026 grams
Total Carbonate Weight	6.349 grams
Total Silica %	87.14 %
Total Carbonate %	12.86 %
Carbonate/Silica Ratio	0.148

General Comments:

Not Enough Carbonate Material to do Post-Digestion Analysis

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: GF-30-BB

Total Sample Mass: 49.375 grams

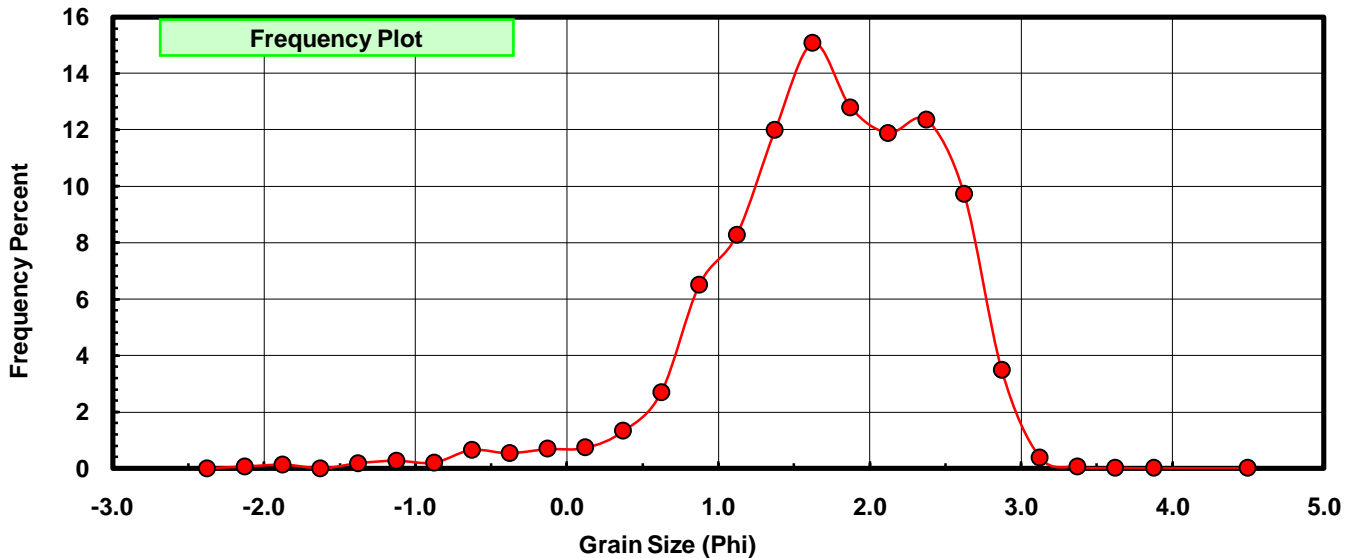
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.030	0.061	0.061
-1.75	-1.875	0.065	0.132	0.192
-1.50	-1.625	0.000	0.000	0.192
-1.25	-1.375	0.088	0.178	0.371
-1.00	-1.125	0.130	0.263	0.634
-0.75	-0.875	0.098	0.198	0.832
-0.50	-0.625	0.322	0.652	1.485
-0.25	-0.375	0.265	0.537	2.021
0.00	-0.125	0.337	0.683	2.704
0.25	0.125	0.360	0.729	3.433
0.50	0.375	0.653	1.323	4.755
0.75	0.625	1.331	2.696	7.451
1.00	0.875	3.205	6.491	13.942
1.25	1.125	4.088	8.279	22.222
1.50	1.375	5.926	12.002	34.224
1.75	1.625	7.441	15.070	49.294
2.00	1.875	6.318	12.796	62.090
2.25	2.125	5.870	11.889	73.979
2.50	2.375	6.102	12.358	86.337
2.75	2.625	4.804	9.730	96.067
3.00	2.875	1.716	3.475	99.542
3.25	3.125	0.189	0.383	99.925
3.50	3.375	0.023	0.047	99.972
3.75	3.625	0.008	0.016	99.988
4.00	3.875	0.004	0.008	99.996
5.00	4.50	0.002	0.004	100.000

Statistical Results			
Mean:	1.7207	phi	(0.3034 mm)
Standard Dev:	0.7412	phi-units	(0.5982 mm)
Skewness:	-0.9923	dimensionless	
Kurtosis:	5.1126	dimensionless	
5th Moment:	-15.4430	dimensionless	
6th Moment:	65.7937	dimensionless	
RARD *	0.4307	dimensionless	
Median	1.6388	phi	(0.3211 mm)

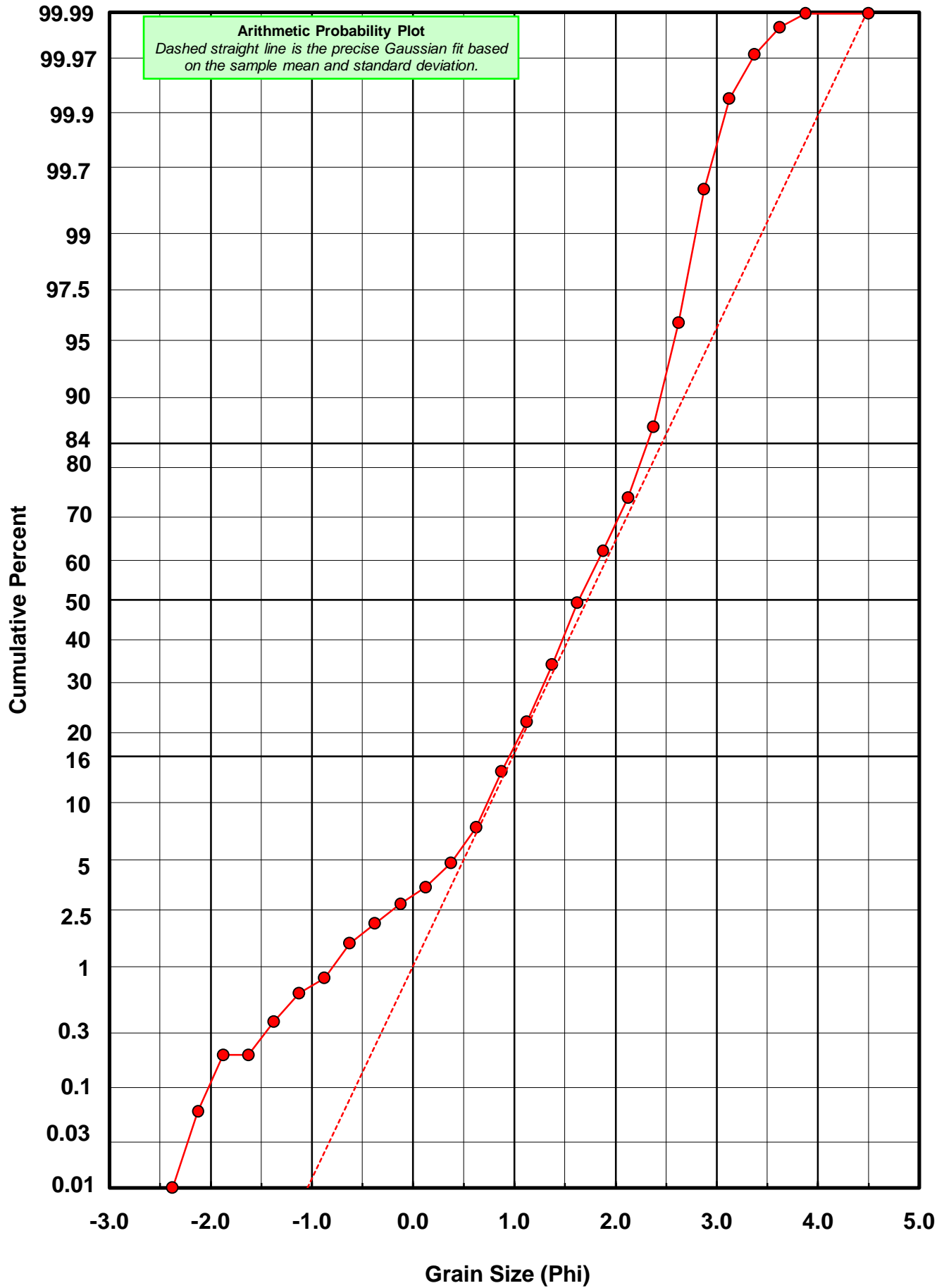
* RARD = reciprocal absolute relative dispersion (see below)

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)



GF-30-BB



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: GF-30-BB

Total Carbonate Mass: 4.668 grams

% Carbonate: 12.9 %

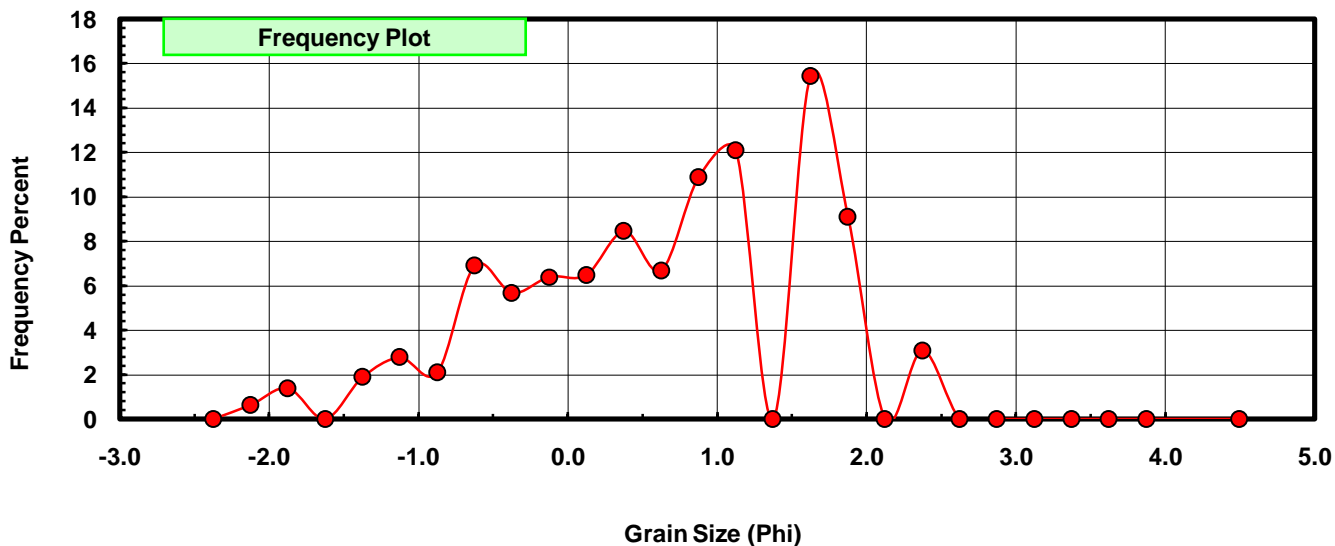
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.030	0.643	0.643
-1.75	-1.875	0.065	1.392	2.035
-1.50	-1.625	0.000	0.000	2.035
-1.25	-1.375	0.088	1.885	3.920
-1.00	-1.125	0.130	2.785	6.705
-0.75	-0.875	0.098	2.099	8.805
-0.50	-0.625	0.322	6.898	15.703
-0.25	-0.375	0.265	5.677	21.380
0.00	-0.125	0.299	6.405	27.785
0.25	0.125	0.303	6.491	34.276
0.50	0.375	0.395	8.462	42.738
0.75	0.625	0.312	6.684	49.422
1.00	0.875	0.508	10.883	60.304
1.25	1.125	0.564	12.082	72.386
1.50	1.375	0.000	0.000	72.386
1.75	1.625	0.720	15.424	87.811
2.00	1.875	0.425	9.105	96.915
2.25	2.125	0.000	0.000	96.915
2.50	2.375	0.144	3.085	100.000
2.75	2.625	0.000	0.000	100.000
3.00	2.875	0.000	0.000	100.000
3.25	3.125	0.000	0.000	100.000
3.50	3.375	0.000	0.000	100.000
3.75	3.625	0.000	0.000	100.000
4.00	3.875	0.000	0.000	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	0.6196	phi	(0.6509 mm)
Standard Dev:	0.9968	phi-units	(0.5011 mm)
Skewness:	-0.4238	dimensionless	
Kurtosis:	2.5272	dimensionless	
5th Moment:	-2.9113	dimensionless	
6th Moment:	10.2477	dimensionless	
RARD *	1.6088	dimensionless	
Median	0.6383	phi	(0.6425 mm)

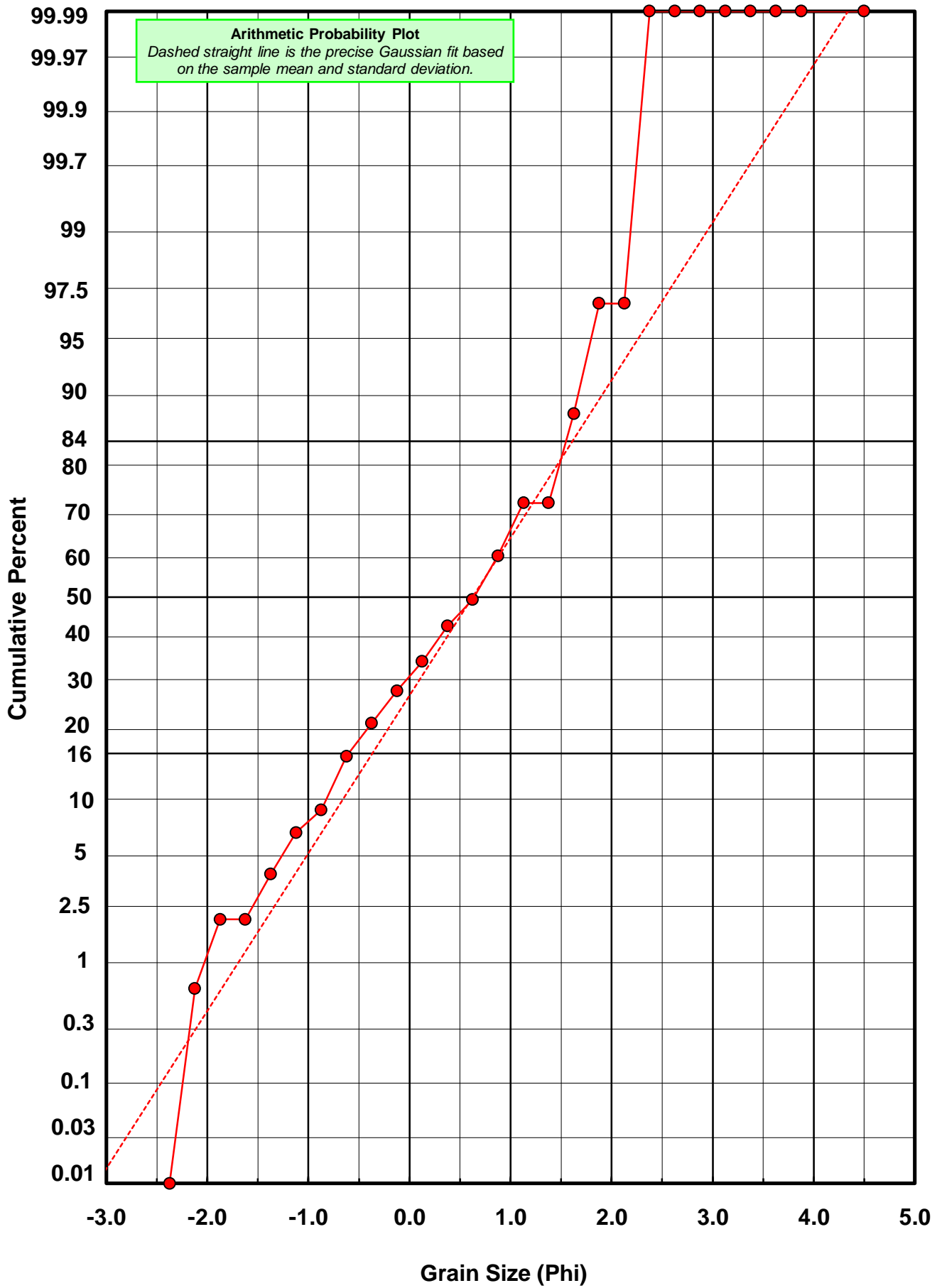
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Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0	
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GF-30-BB



Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: GF-30-BB

Total Digested Mass: 45.181 grams

% Silica: 87.1 %

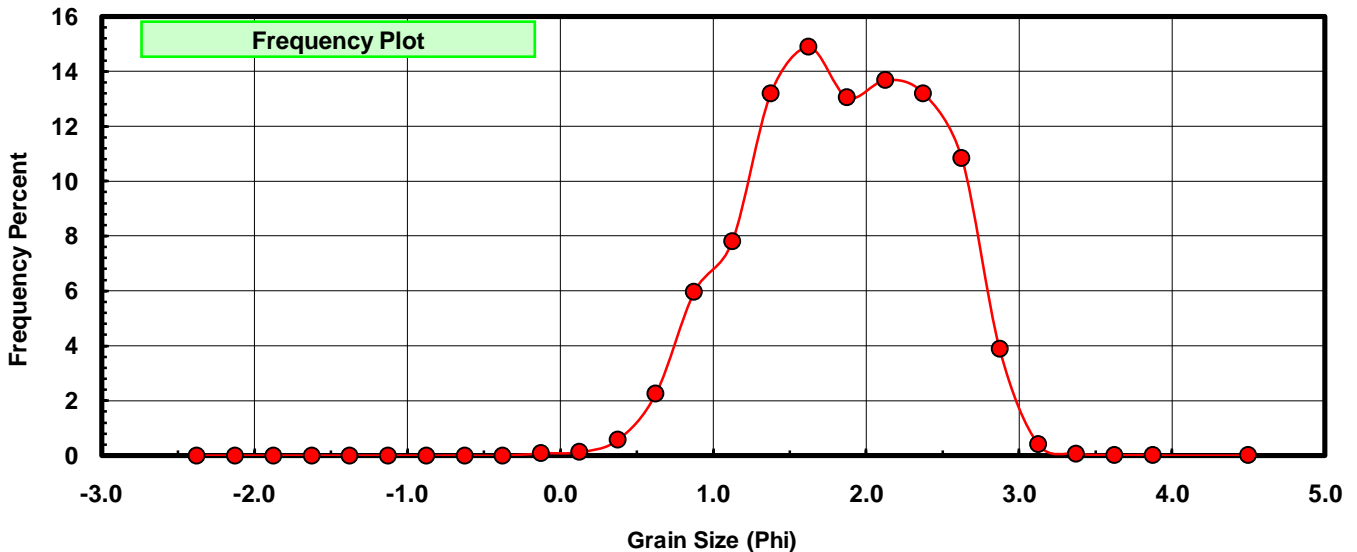
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.038	0.084	0.084
0.25	0.125	0.057	0.126	0.210
0.50	0.375	0.258	0.571	0.781
0.75	0.625	1.019	2.255	3.037
1.00	0.875	2.697	5.969	9.006
1.25	1.125	3.524	7.800	16.806
1.50	1.375	5.952	13.174	29.979
1.75	1.625	6.721	14.876	44.855
2.00	1.875	5.893	13.043	57.898
2.25	2.125	6.178	13.674	71.572
2.50	2.375	5.958	13.187	84.759
2.75	2.625	4.891	10.825	95.584
3.00	2.875	1.754	3.882	99.467
3.25	3.125	0.189	0.418	99.885
3.50	3.375	0.032	0.071	99.956
3.75	3.625	0.008	0.018	99.973
4.00	3.875	0.007	0.015	99.989
5.00	4.500	0.005	0.011	100.000

Statistical Results			
Mean:	1.8404	phi	(0.2792 mm)
Standard Dev:	0.5993	phi-units	(0.6601 mm)
Skewness:	-0.1610	dimensionless	
Kurtosis:	2.3807	dimensionless	
5th Moment:	-1.0751	dimensionless	
6th Moment:	9.4911	dimensionless	
RARD *	0.3256	dimensionless	
Median	1.7236	phi	(0.3028 mm)

* RARD = reciprocal absolute relative dispersion (see below)

Statistical Explanation	
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