

Onshore Grab Sample

Sample: FG-06-BB
Sample Taken By: J. Ladner
Sample Collected On: 12/3/03
Splits? N/A

County: Flagler
Latitude: 29° 35' 49.3"
Longitude: 81° 10' 55.4"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 64.208 grams
Total Fines in Sample 0.172 grams
Total Percent Fines 0.27 %

Dry Sieving Summary

Total Sample Weight 64.026 grams
Total Digested Weight 45.176 grams
Total Carbonate Weight 18.850 grams
Total Silica % 70.56 %
Total Carbonate % 29.44 %
Carbonate/Silica Ratio 0.417

General Comments:

None

Description

Worked By: M. Lachance

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: FG-06-BB

Total Sample Mass: 64.026 grams

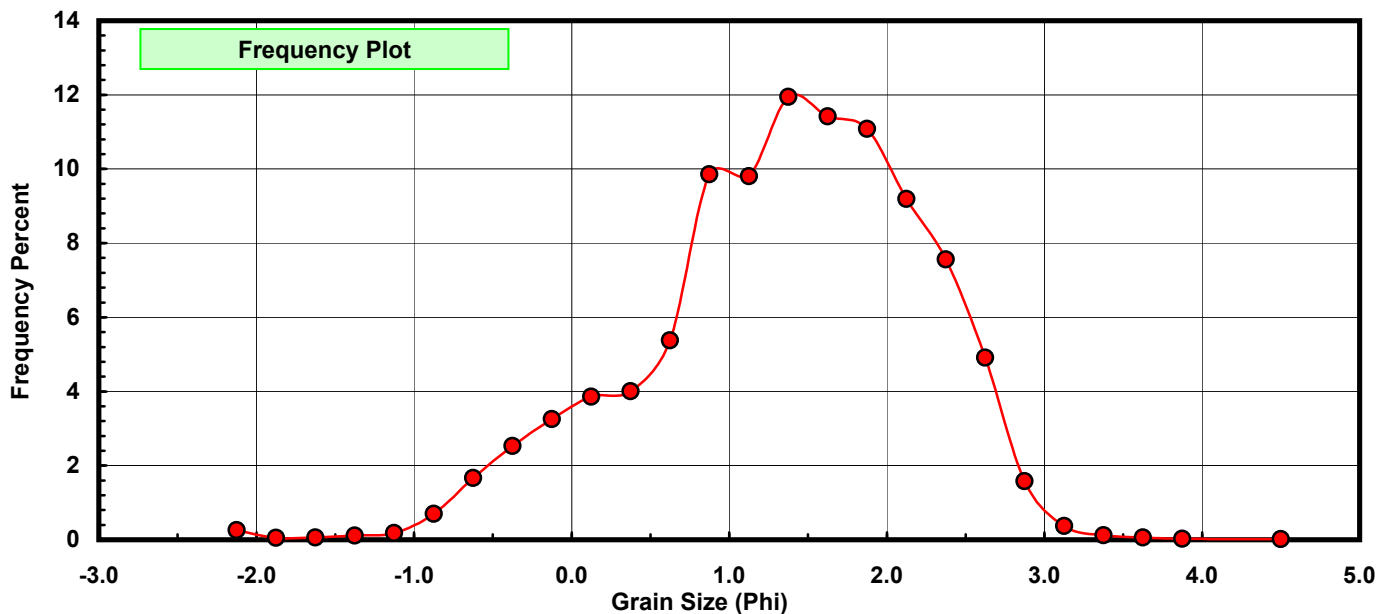
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.164	0.256	0.256
-1.75	-1.875	0.034	0.053	0.309
-1.50	-1.625	0.039	0.061	0.370
-1.25	-1.375	0.070	0.109	0.479
-1.00	-1.125	0.117	0.183	0.662
-0.75	-0.875	0.445	0.695	1.357
-0.50	-0.625	1.068	1.668	3.025
-0.25	-0.375	1.619	2.529	5.554
0.00	-0.125	2.085	3.256	8.810
0.25	0.125	2.473	3.862	12.673
0.50	0.375	2.562	4.001	16.674
0.75	0.625	3.443	5.378	22.052
1.00	0.875	6.309	9.854	31.906
1.25	1.125	6.279	9.807	41.713
1.50	1.375	7.648	11.945	53.658
1.75	1.625	7.309	11.416	65.074
2.00	1.875	7.093	11.078	76.152
2.25	2.125	5.886	9.193	85.345
2.50	2.375	4.841	7.561	92.906
2.75	2.625	3.147	4.915	97.821
3.00	2.875	1.013	1.582	99.403
3.25	3.125	0.237	0.370	99.774
3.50	3.375	0.080	0.125	99.898
3.75	3.625	0.040	0.062	99.961
4.00	3.875	0.015	0.023	99.984
5.00	4.500	0.010	0.016	100.000

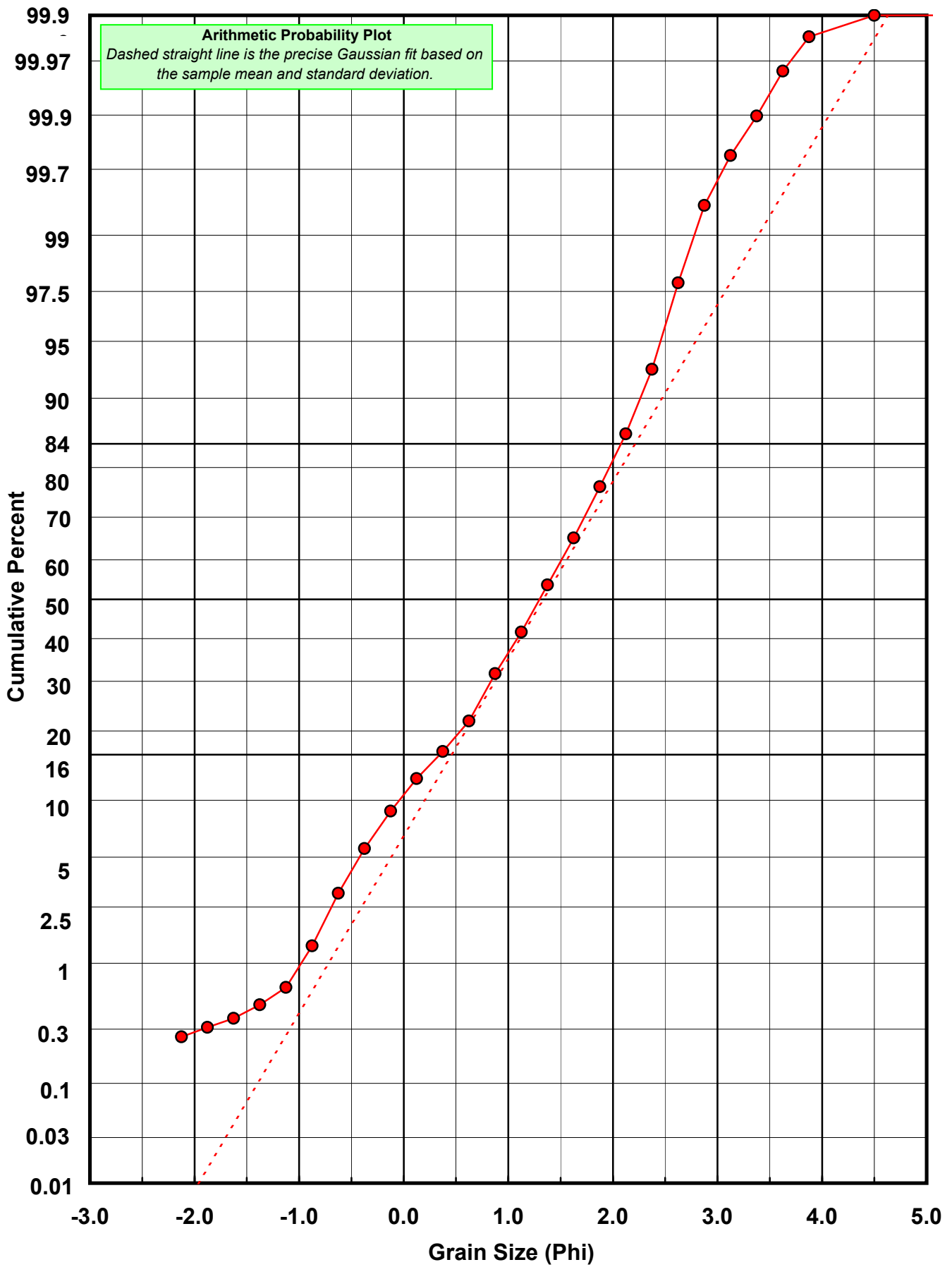
Statistical Results			
Mean:	1.3355	phi	(0.3963 mm)
Standard Dev:	0.8854	phi-units	(0.5413 mm)
Skewness:	-0.5702	dimensionless	
Kurtosis:	3.2569	dimensionless	
5th Moment:	-5.2923	dimensionless	
6th Moment:	21.4618	dimensionless	
RARD *	0.6629	dimensionless	
Median	1.2984	phi	(0.4066 mm)

* 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 Calculation Sheets
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)





Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: FG-06-BB

Total Carbonate Mass: 19.318 grams

% Carbonate: 29.4 %

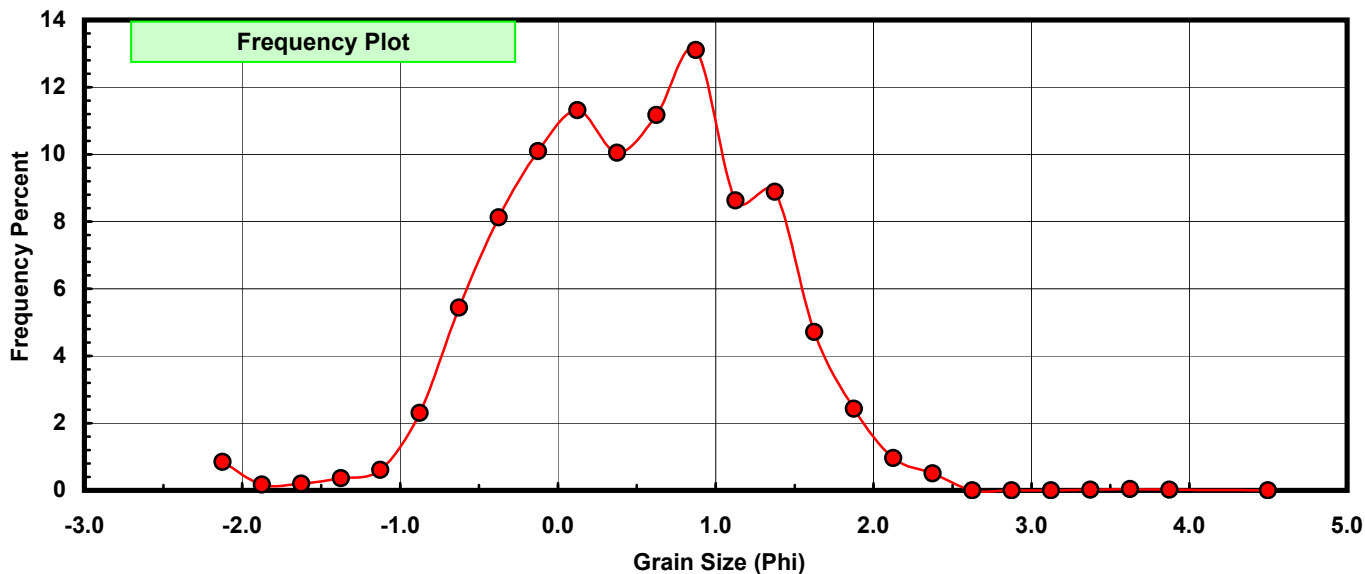
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.164	0.849	0.849
-1.75	-1.875	0.034	0.176	1.025
-1.50	-1.625	0.039	0.202	1.227
-1.25	-1.375	0.070	0.362	1.589
-1.00	-1.125	0.117	0.606	2.195
-0.75	-0.875	0.445	2.304	4.498
-0.50	-0.625	1.051	5.441	9.939
-0.25	-0.375	1.570	8.127	18.066
0.00	-0.125	1.951	10.099	28.165
0.25	0.125	2.185	11.311	39.476
0.50	0.375	1.941	10.048	49.524
0.75	0.625	2.159	11.176	60.700
1.00	0.875	2.532	13.107	73.807
1.25	1.125	1.667	8.629	82.436
1.50	1.375	1.716	8.883	91.319
1.75	1.625	0.911	4.716	96.035
2.00	1.875	0.469	2.428	98.463
2.25	2.125	0.185	0.958	99.420
2.50	2.375	0.097	0.502	99.922
2.75	2.625	0.000	0.000	99.922
3.00	2.875	0.000	0.000	99.922
3.25	3.125	0.000	0.000	99.922
3.50	3.375	0.003	0.016	99.938
3.75	3.625	0.008	0.041	99.979
4.00	3.875	0.004	0.021	100.000
5.00	4.500	0.000	0.000	100.000

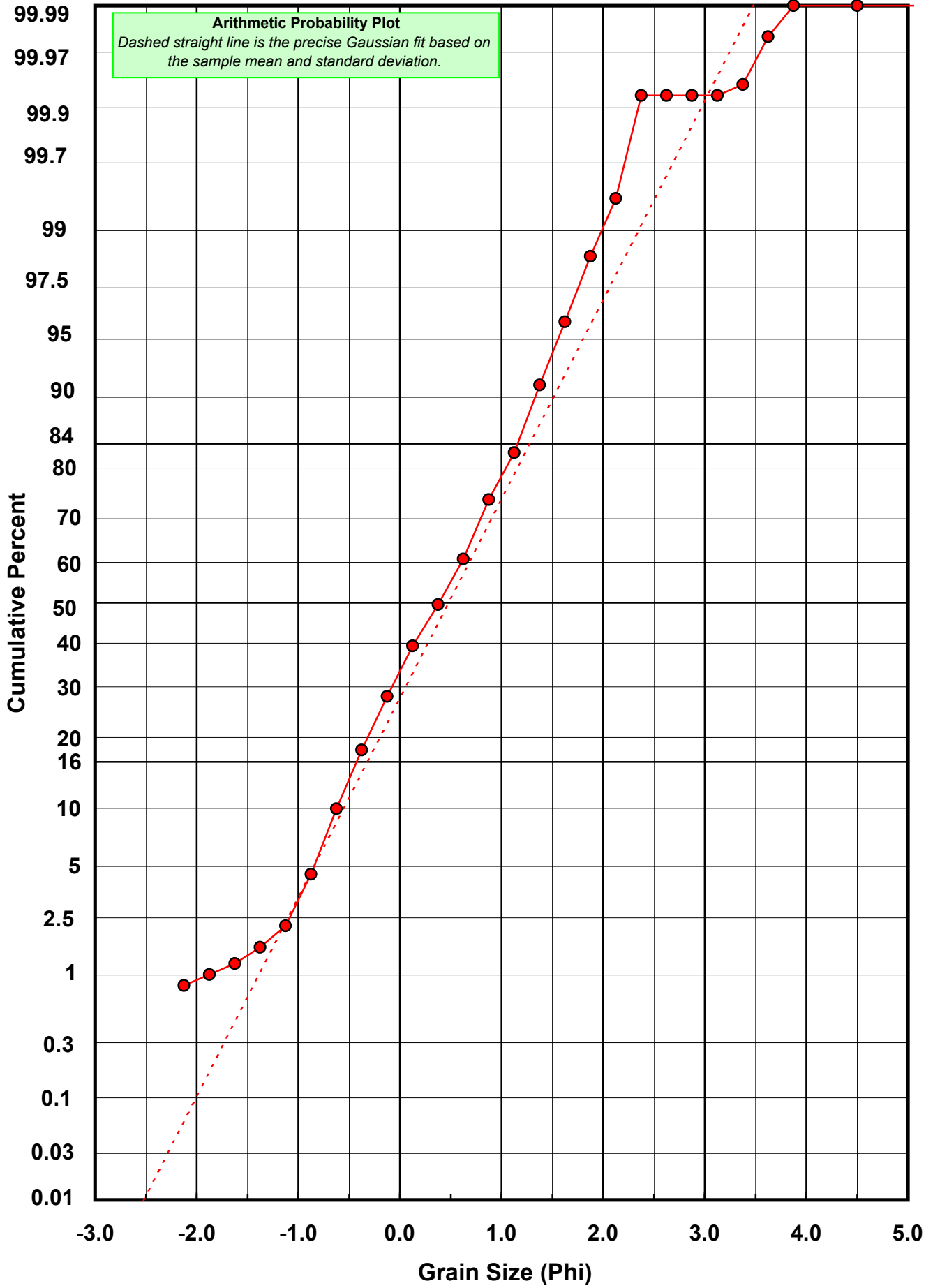
Statistical Results			
Mean:	0.4792	phi	(0.7174 mm)
Standard Dev:	0.8057	phi-units	(0.5721 mm)
Skewness:	-0.2300	dimensionless	
Kurtosis:	3.1210	dimensionless	
5th Moment:	-2.5957	dimensionless	
6th Moment:	20.1411	dimensionless	
RARD *	1.6815	dimensionless	
Median	0.3857	phi	(0.7654 mm)

* 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 Calculation Sheets	
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)





Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: FG-06-BB

Total Digested Mass: 45.172 grams

% Silica: 70.6 %

Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-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	0.017	0.038	0.038
-0.25	-0.375	0.049	0.108	0.146
0.00	-0.125	0.134	0.297	0.443
0.25	0.125	0.288	0.638	1.080
0.50	0.375	0.621	1.375	2.455
0.75	0.625	1.284	2.842	5.298
1.00	0.875	3.777	8.361	13.659
1.25	1.125	4.612	10.210	23.869
1.50	1.375	5.932	13.132	37.001
1.75	1.625	6.398	14.164	51.164
2.00	1.875	6.624	14.664	65.828
2.25	2.125	5.701	12.621	78.449
2.50	2.375	4.744	10.502	88.951
2.75	2.625	3.406	7.540	96.491
3.00	2.875	1.185	2.623	99.114
3.25	3.125	0.280	0.620	99.734
3.50	3.375	0.077	0.170	99.905
3.75	3.625	0.032	0.071	99.976
4.00	3.875	0.011	0.024	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	1.7160	phi	(0.3044 mm)
Standard Dev:	0.6327	phi-units	(0.645 mm)
Skewness:	-0.1448	dimensionless	
Kurtosis:	2.6930	dimensionless	
5th Moment:	-1.4405	dimensionless	
6th Moment:	12.6202	dimensionless	
RARD *	0.3687	dimensionless	
Median	1.6044	phi	(0.3289 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 Calculation Sheets	
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)

