

Onshore Grab Sample

Sample: SJ-26-BB
Sample Taken By: J. Ladner
Sample Collected On: 12/1/03
Splits? N/A

County: St. Johns
Latitude: 29° 54' 10.5"
Longitude: 81° 16' 38.9"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 57.108 grams
Total Fines in Sample 0.056 grams
Total Percent Fines 0.10 %

Dry Sieving Summary

Total Sample Weight 56.866 grams
Total Digested Weight 55.898 grams
Total Carbonate Weight 0.968 grams
Total Silica % 98.30 %
Total Carbonate % 1.70 %
Carbonate/Silica Ratio 0.017

General Comments:

None

Description

Worked By: M. Lachance

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: SJ-26-BB

Total Sample Mass: 56.866 grams

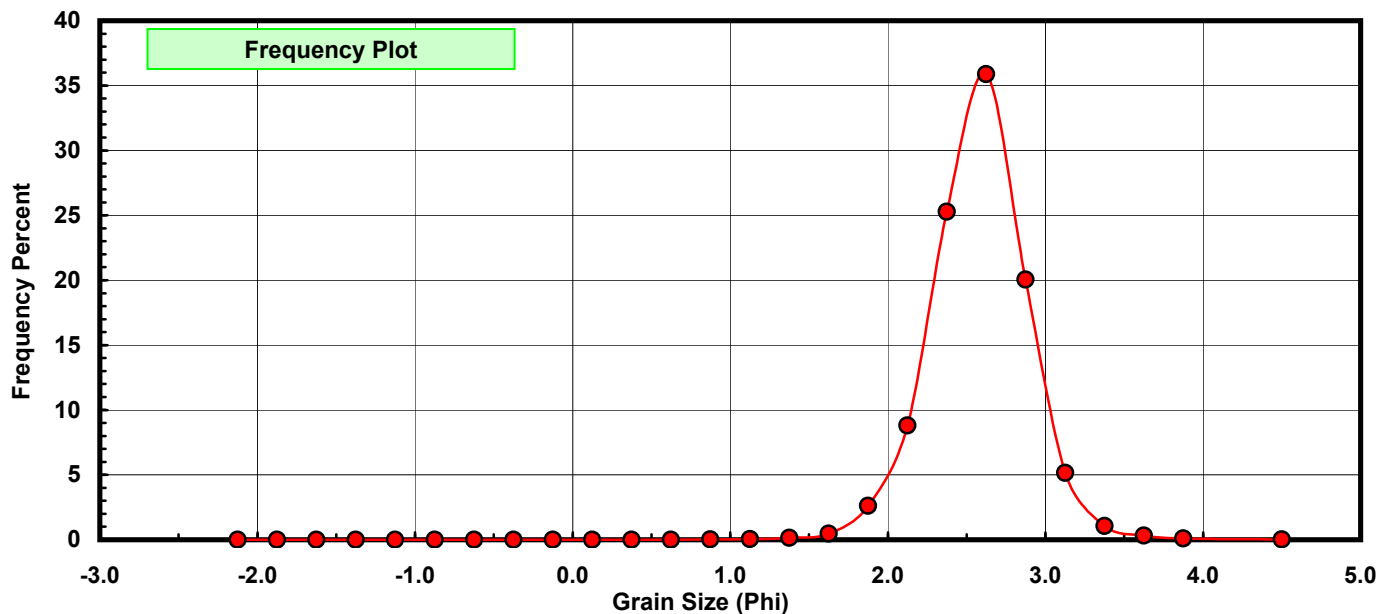
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.007	0.012	0.012
0.25	0.125	0.007	0.012	0.025
0.50	0.375	0.007	0.012	0.037
0.75	0.625	0.006	0.011	0.047
1.00	0.875	0.019	0.033	0.081
1.25	1.125	0.030	0.053	0.134
1.50	1.375	0.082	0.144	0.278
1.75	1.625	0.268	0.471	0.749
2.00	1.875	1.487	2.615	3.364
2.25	2.125	5.000	8.793	12.157
2.50	2.375	14.372	25.273	37.430
2.75	2.625	20.401	35.876	73.306
3.00	2.875	11.397	20.042	93.348
3.25	3.125	2.928	5.149	98.496
3.50	3.375	0.602	1.059	99.555
3.75	3.625	0.180	0.317	99.872
4.00	3.875	0.063	0.111	99.982
5.00	4.500	0.010	0.018	100.000

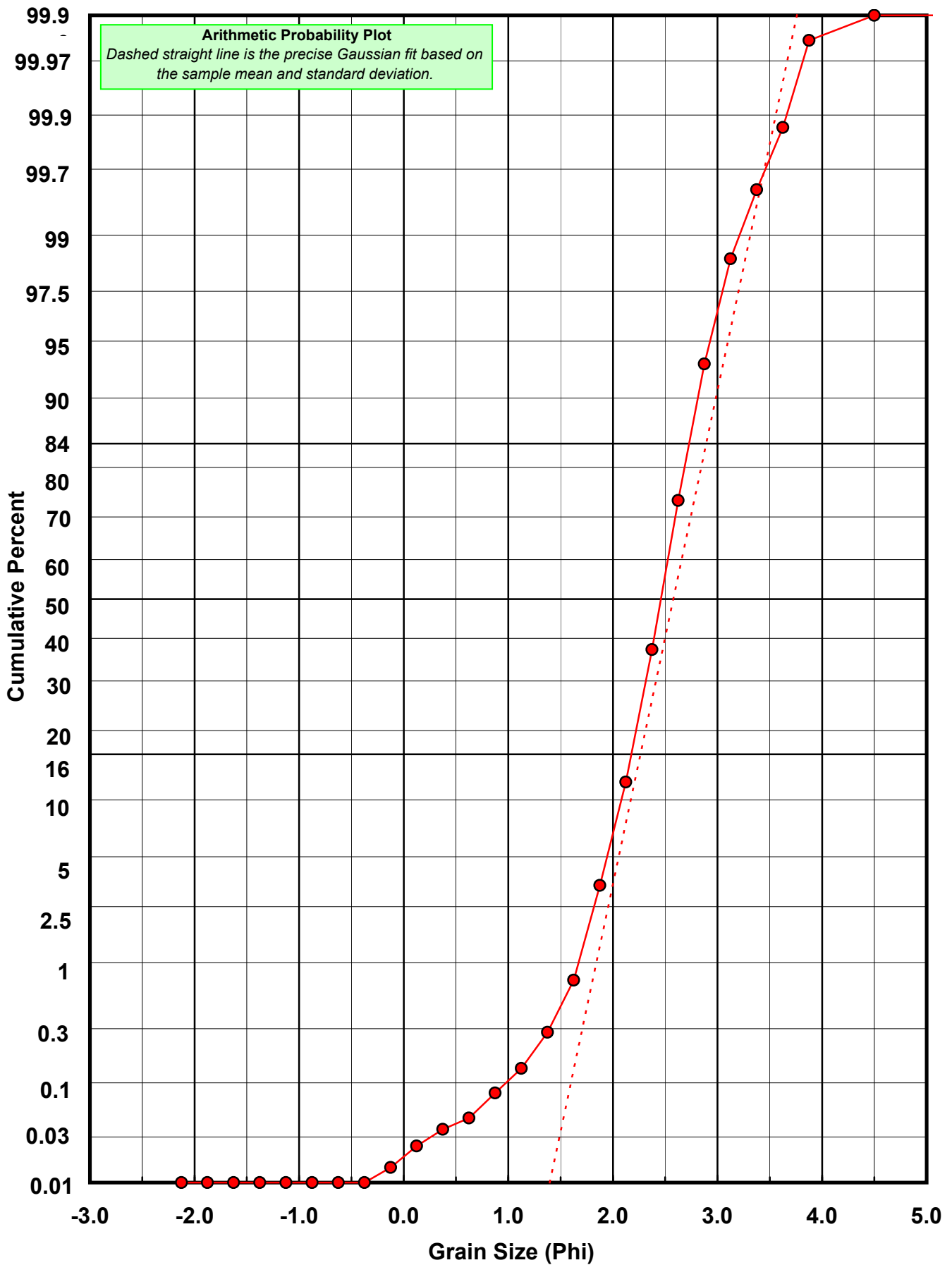
Statistical Results			
Mean:	2.5779	phi	(0.1675 mm)
Standard Dev:	0.3175	phi-units	(0.8024 mm)
Skewness:	-0.2917	dimensionless	
Kurtosis:	5.7898	dimensionless	
5th Moment:	-12.8618	dimensionless	
6th Moment:	141.2170	dimensionless	
RARD *	0.1232	dimensionless	
Median	2.4626	phi	(0.1814 mm)

* 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: SJ-26-BB

Total Carbonate Mass: 1.171 grams

% Carbonate: 1.7 %

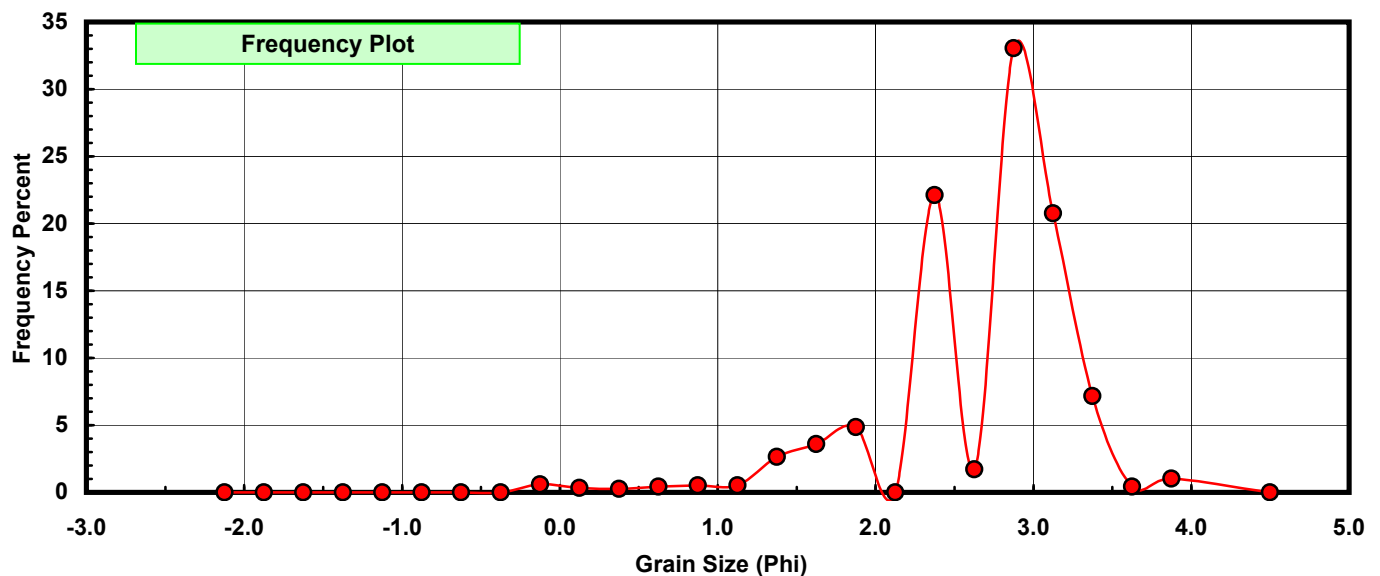
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.007	0.598	0.598
0.25	0.125	0.004	0.342	0.939
0.50	0.375	0.003	0.256	1.196
0.75	0.625	0.005	0.427	1.623
1.00	0.875	0.006	0.512	2.135
1.25	1.125	0.006	0.512	2.647
1.50	1.375	0.031	2.647	5.295
1.75	1.625	0.042	3.587	8.881
2.00	1.875	0.057	4.868	13.749
2.25	2.125	0.000	0.000	13.749
2.50	2.375	0.259	22.118	35.867
2.75	2.625	0.020	1.708	37.575
3.00	2.875	0.387	33.049	70.623
3.25	3.125	0.243	20.751	91.375
3.50	3.375	0.084	7.173	98.548
3.75	3.625	0.005	0.427	98.975
4.00	3.875	0.012	1.025	100.000
5.00	4.500	0.000	0.000	100.000

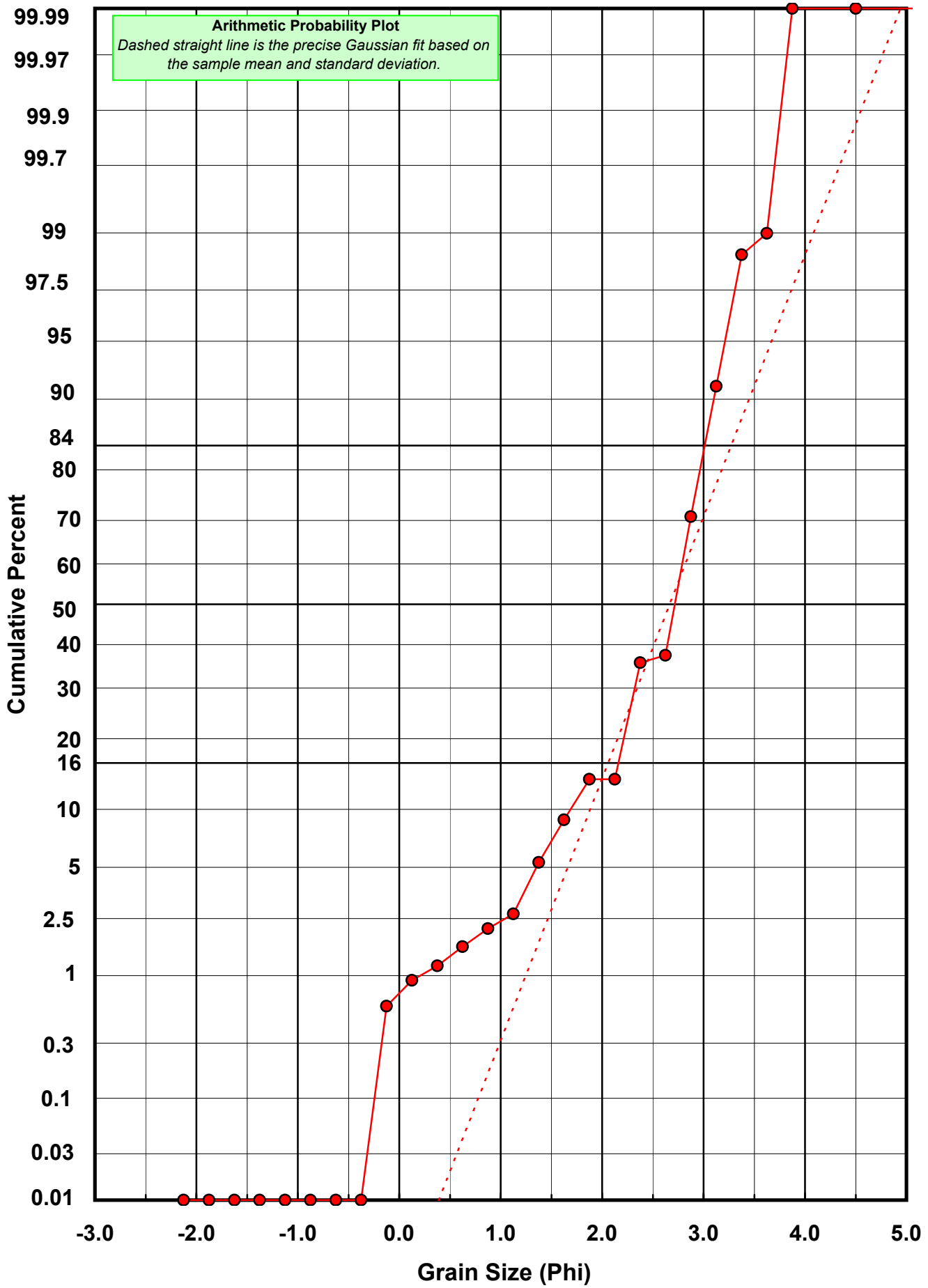
Statistical Results			
Mean:	2.6656	phi	(0.1576 mm)
Standard Dev:	0.6114	phi-units	(0.6546 mm)
Skewness:	-1.5633	dimensionless	
Kurtosis:	6.5890	dimensionless	
5th Moment:	-22.6097	dimensionless	
6th Moment:	93.5125	dimensionless	
RARD *	0.2294	dimensionless	
Median	2.7190	phi	(0.1519 mm)

* 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: SJ-26-BB

Total Digested Mass: 55.887 grams

% Silica: 98.3 %

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	0.000	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	0.003	0.005	0.005
0.50	0.375	0.004	0.007	0.013
0.75	0.625	0.001	0.002	0.014
1.00	0.875	0.013	0.023	0.038
1.25	1.125	0.024	0.043	0.081
1.50	1.375	0.051	0.091	0.172
1.75	1.625	0.226	0.404	0.576
2.00	1.875	1.430	2.559	3.135
2.25	2.125	5.202	9.308	12.443
2.50	2.375	14.113	25.253	37.696
2.75	2.625	20.381	36.468	74.164
3.00	2.875	11.010	19.700	93.864
3.25	3.125	2.685	4.804	98.669
3.50	3.375	0.518	0.927	99.596
3.75	3.625	0.175	0.313	99.909
4.00	3.875	0.051	0.091	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	2.5741	phi	(0.1679 mm)
Standard Dev:	0.3075	phi-units	(0.808 mm)
Skewness:	-0.1564	dimensionless	
Kurtosis:	4.4924	dimensionless	
5th Moment:	-4.8083	dimensionless	
6th Moment:	62.9207	dimensionless	
RARD *	0.1195	dimensionless	
Median	2.4593	phi	(0.1818 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)

