Onshore Grab Sample

Sample: GF-26-BB
Sample Taken By: D. Phelps
Sample Collected On: 12/10/10
Splits? N/A

County: Gulf
Latitude: 29° 41' 3.6" N
Longitude: 85° 17' 26.9" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	53.911	grams
Total Fines in Sample	0.009	grams
Total Percent Fines	0.02	%

Dry Sieving Summary

Total Sample Weight	54.032	grams
Total Digested Weight	51.662	grams
Total Carbonate Weight	2.370	grams
Total Silica %	95.61	%
Total Carbonate %	4.39	%
Carbonate/Silica Ratio	0.046	

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-26-BB

Total Sample Mass: 54.032 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	0.000	0.000	0.000
-1.75	-1.875	0.058	0.107	0.107
-1.50	-1.625	0.000	0.000	0.107
-1.25	-1.375	0.045	0.083	0.191
-1.00	-1.125	0.092	0.170	0.361
-0.75	-0.875	0.077	0.143	0.503
-0.50	-0.625	0.178	0.329	0.833
-0.25	-0.375	0.170	0.315	1.147
0.00	-0.125	0.179	0.331	1.479
0.25	0.125	0.220	0.407	1.886
0.50	0.375	0.365	0.676	2.561
0.75	0.625	0.610	1.129	3.690
1.00	0.875	1.321	2.445	6.135
1.25	1.125	2.486	4.601	10.736
1.50	1.375	6.059	11.214	21.950
1.75	1.625	9.552	17.678	39.628
2.00	1.875	8.746	16.187	55.815
2.25	2.125	9.231	17.084	72.899
2.50	2.375	7.627	14.116	87.015
2.75	2.625	5.063	9.370	96.385
3.00	2.875	1.704	3.154	99.539
3.25	3.125	0.208	0.385	99.924
3.50	3.375	0.030	0.056	99.980
3.75	3.625	0.007	0.013	99.993
4.00	3.875	0.003	0.006	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.8678	phi	(0.274 mm)
Standard Dev:	0.6162	phi-units	(0.6524 mm)
Skewness:	-1.2703	dimensionless	
Kurtosis:	7.1453	dimensionless	
5th Moment:	-27.7554	dimensionless	
6th Moment:	139.6136	dimensionless	
RARD *	0.3299	dimensionless	
Median	1.7852	phi	(0.2901 mm)

* RARD = reciprocal absolute relative dispersion (see below)

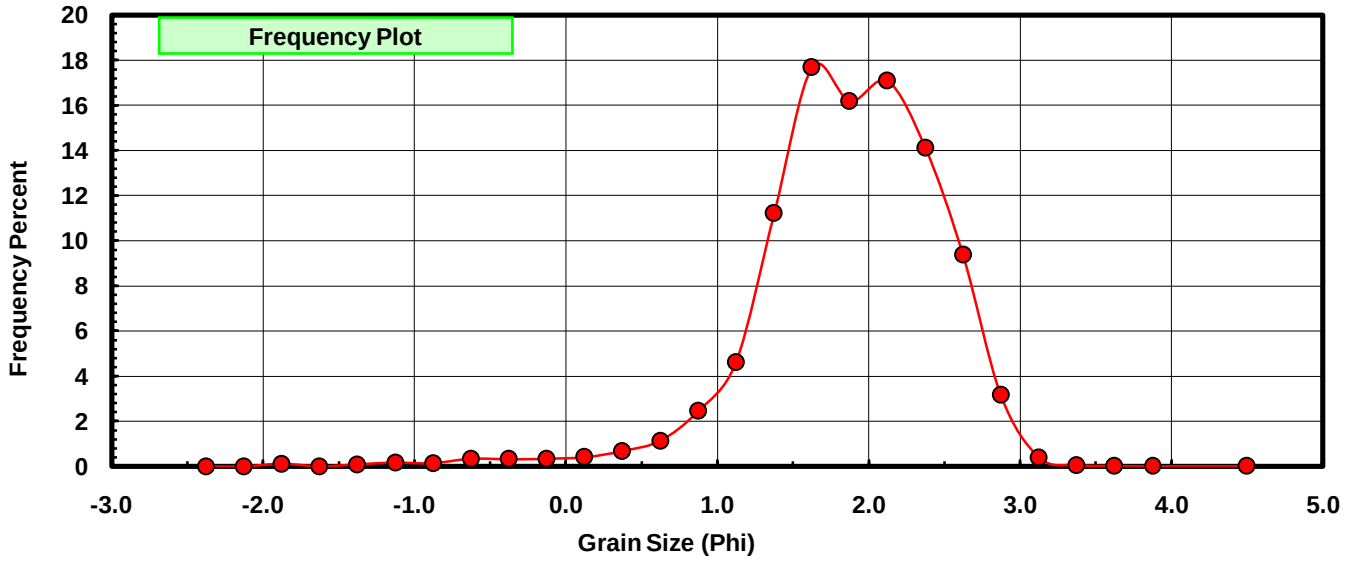
Statistical Explanation

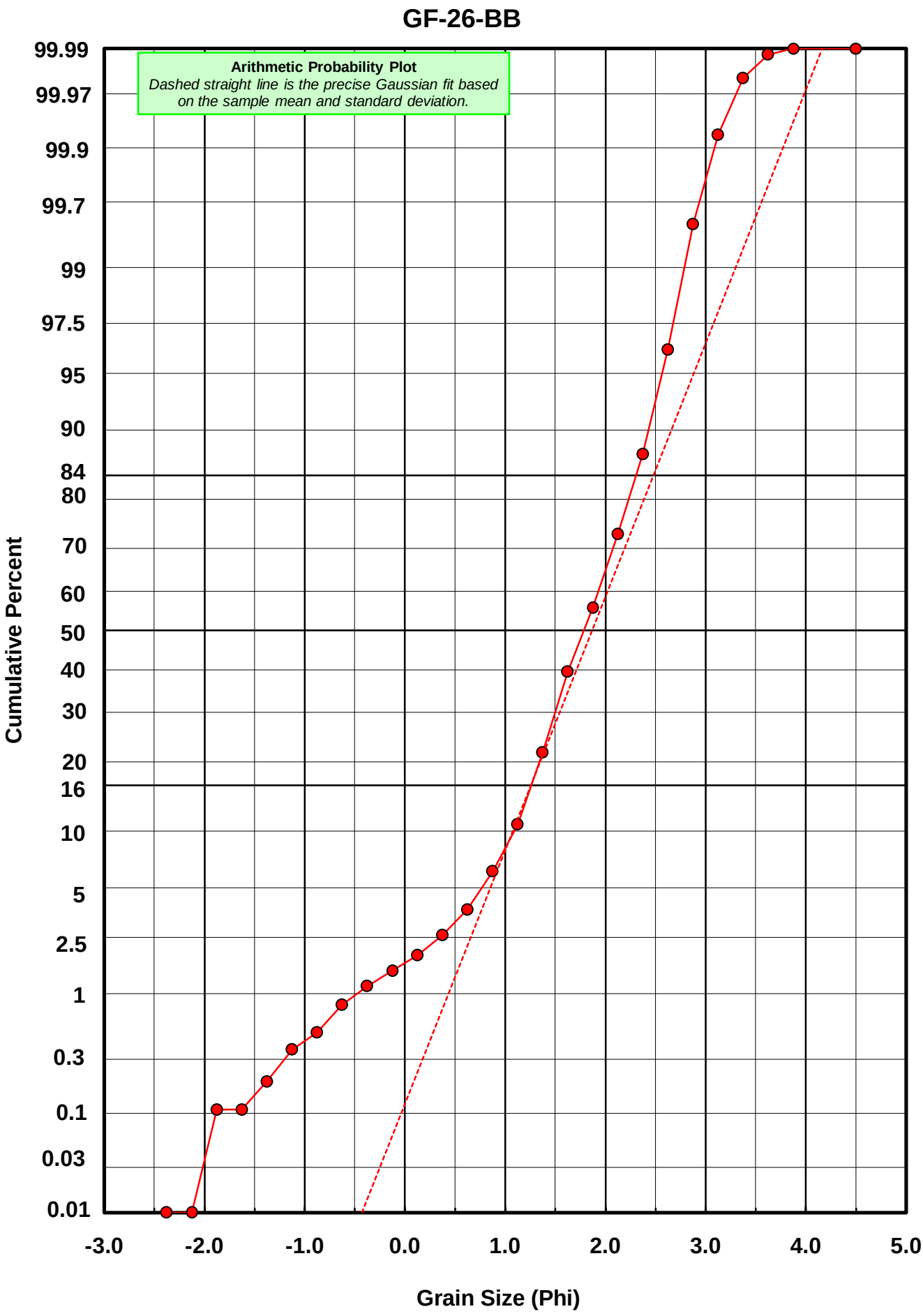
Calculations based on the Method of Moments
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0

For Further Explanation, See Basillle 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-26-BB
Arithmetic Probability Plot
Dashed straight line is the precise Gaussian fit based on the sample mean and standard deviation.
Cumulative Percent
99.99
99.97
99.9
99.7
99
97.5
95
90
84
80
70
60
50
40
30
20
16
10
5
2.5
1
0.3
0.1
0.03
0.01
-3.0
-2.0
-1.0
0.0
1.0
2.0
3.0
4.0
5.0
Grain Size (Phi)