Onshore Grab Sample

Sample: GF-29-BB
Sample Taken By: D. Phelps
Sample Collected On: 12/10/10
Splits? N/A

County: Gulf
Latitude: 29° 40' 40.4" N
Longitude: 85° 14' 39" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	58.925	grams
Total Fines in Sample	0.002	grams
Total Percent Fines	0.00	%

Dry Sieving Summary

Total Sample Weight	58.957	grams
Total Digested Weight	58.472	grams
Total Carbonate Weight	0.485	grams
Total Silica %	99.18	%
Total Carbonate %	0.82	%
Carbonate/Silica Ratio	0.008	

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-29-BB

Total Sample Mass: 58.957 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	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.014	0.024	0.024
-1.00	-1.125	0.000	0.000	0.024
-0.75	-0.875	0.000	0.000	0.024
-0.50	-0.625	0.027	0.046	0.070
-0.25	-0.375	0.010	0.017	0.087
0.00	-0.125	0.011	0.019	0.105
0.25	0.125	0.017	0.029	0.134
0.50	0.375	0.049	0.083	0.217
0.75	0.625	0.105	0.178	0.395
1.00	0.875	0.310	0.526	0.921
1.25	1.125	1.074	1.822	2.743
1.50	1.375	4.916	8.338	11.081
1.75	1.625	11.842	20.086	31.167
2.00	1.875	12.987	22.028	53.195
2.25	2.125	13.280	22.525	75.720
2.50	2.375	8.789	14.907	90.627
2.75	2.625	4.358	7.392	98.019
3.00	2.875	1.035	1.756	99.774
3.25	3.125	0.100	0.170	99.944
3.50	3.375	0.018	0.031	99.975
3.75	3.625	0.007	0.012	99.986
4.00	3.875	0.006	0.010	99.997
5.00	4.50	0.002	0.003	100.000

Statistical Results			
Mean:	1.9644	phi	(0.2562 mm)
Standard Dev:	0.4137	phi-units	(0.7507 mm)
Skewness:	-0.3107	dimensionless	
Kurtosis:	4.8891	dimensionless	
5th Moment:	-15.1934	dimensionless	
6th Moment:	122.6628	dimensionless	
RARD *	0.2106	dimensionless	
Median	1.8387	phi	(0.2796 mm)

* RARD = reciprocal absolute relative dispersion (see below)

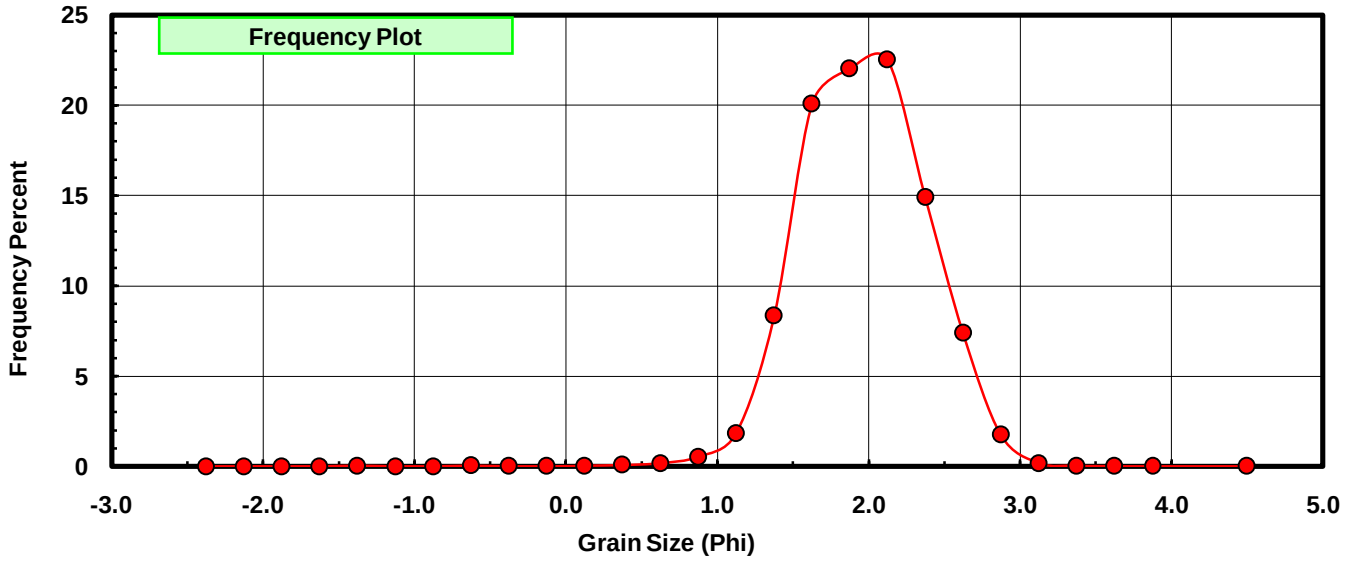
Statistical Explanation

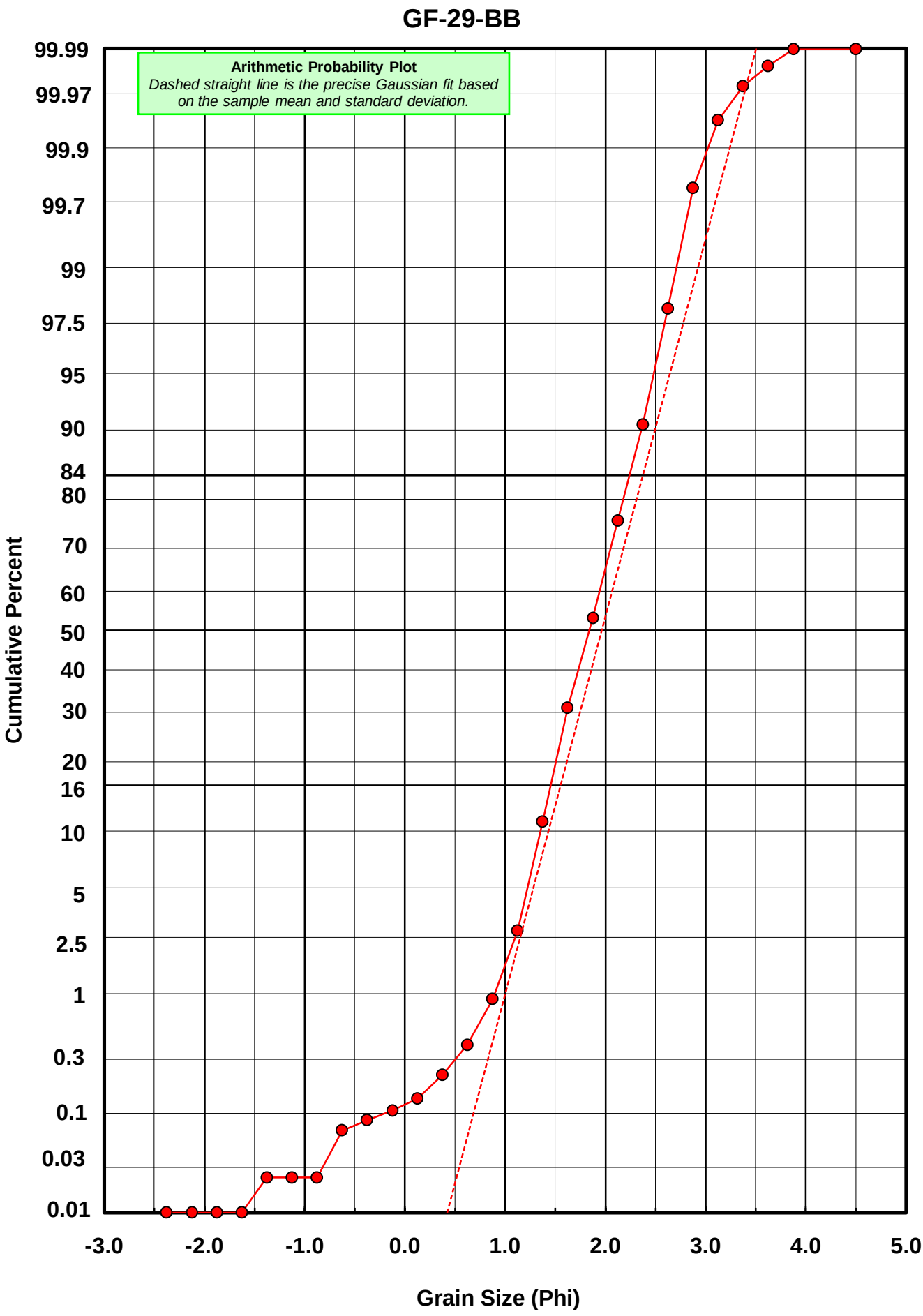
Calculations based on the Method of Moments
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0

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-29-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)