Onshore Grab Sample

Sample: GF-19-BB
Sample Taken By: D. Phelps
Sample Collected On: 11/19/10
Splits? N/A

County: Gulf
Latitude: 29° 41' 41.4" N
Longitude: 84° 22' 35" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	50.151	grams
Total Fines in Sample	0.029	grams
Total Percent Fines	0.06	%

Dry Sieving Summary

Total Sample Weight	49.832	grams
Total Digested Weight	49.902	grams
Total Carbonate Weight	-0.070	grams
Total Silica %	100.14	%
Total Carbonate %	-0.14	%
Carbonate/Silica Ratio	-0.001	

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-19-BB

Total Sample Mass: 49.832 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	0.000	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	0.057	0.114	0.114
-0.25	-0.375	0.027	0.054	0.169
0.00	-0.125	0.019	0.038	0.207
0.25	0.125	0.023	0.046	0.253
0.50	0.375	0.055	0.110	0.363
0.75	0.625	0.124	0.249	0.612
1.00	0.875	0.052	0.104	0.716
1.25	1.125	0.038	0.076	0.793
1.50	1.375	0.076	0.153	0.945
1.75	1.625	0.302	0.606	1.551
2.00	1.875	2.106	4.226	5.777
2.25	2.125	13.012	26.112	31.889
2.50	2.375	19.940	40.014	71.904
2.75	2.625	11.026	22.126	94.030
3.00	2.875	2.533	5.083	99.113
3.25	3.125	0.309	0.620	99.733
3.50	3.375	0.075	0.151	99.884
3.75	3.625	0.035	0.070	99.954
4.00	3.875	0.015	0.030	99.984
5.00	4.50	0.008	0.016	100.000

Statistical Results			
Mean:	2.3551	phi	(0.1955 mm)
Standard Dev:	0.3197	phi-units	(0.8013 mm)
Skewness:	-2.1910	dimensionless	
Kurtosis:	20.8932	dimensionless	
5th Moment:	-146.8033	dimensionless	
6th Moment:	1288.1974	dimensionless	
RARD *	0.1357	dimensionless	
Median	2.2382	phi	(0.212 mm)

* RARD = reciprocal absolute relative dispersion (see below)

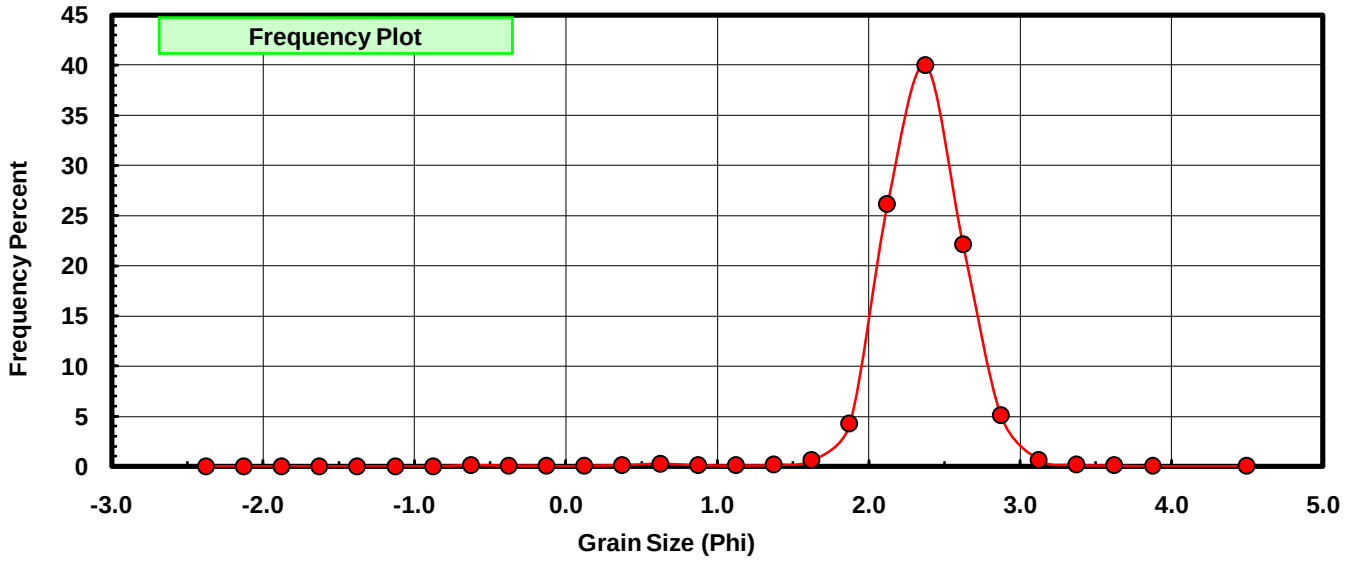
Statistical Explanation

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

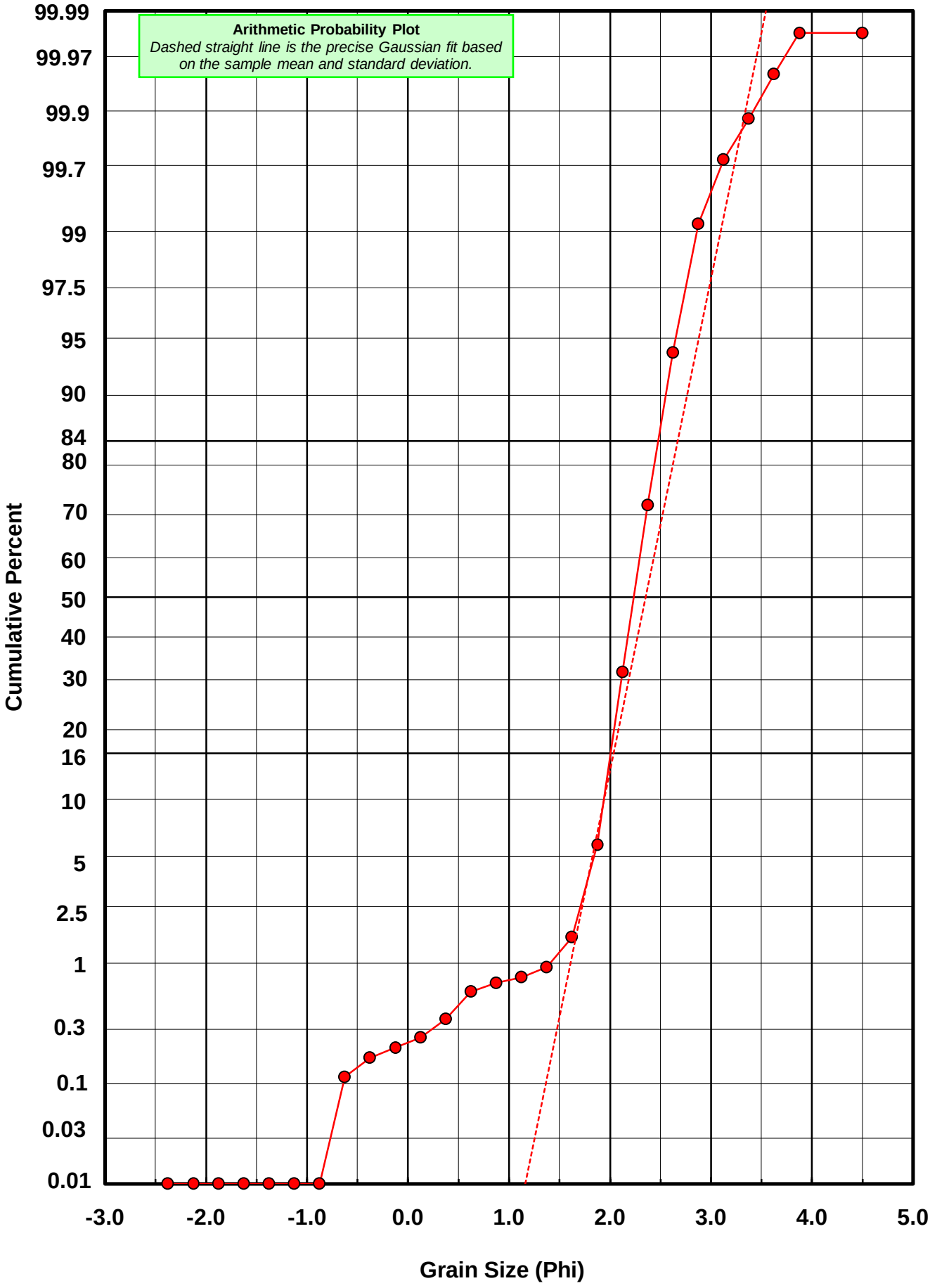
For Further Explanation, See Basillle et al. 2002

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-19-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)