Onshore Grab Sample

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

County: Gulf
Latitude: 29° 48' 15.2" N
Longitude: 85° 24' 50.2" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	47.588	grams
Total Fines in Sample	0.029	grams
Total Percent Fines	0.06	%

Dry Sieving Summary

Total Sample Weight	47.626	grams
Total Digested Weight	47.451	grams
Total Carbonate Weight	0.175	grams
Total Silica %	99.63	%
Total Carbonate %	0.37	%
Carbonate/Silica Ratio	0.004	

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-11-BB

Total Sample Mass: 47.626 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	0.000	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	0.014	0.029	0.029
0.50	0.375	0.012	0.025	0.055
0.75	0.625	0.034	0.071	0.126
1.00	0.875	0.135	0.283	0.409
1.25	1.125	0.598	1.256	1.665
1.50	1.375	3.398	7.135	8.800
1.75	1.625	11.209	23.535	32.335
2.00	1.875	14.706	30.878	63.213
2.25	2.125	11.875	24.934	88.147
2.50	2.375	4.596	9.650	97.797
2.75	2.625	0.908	1.907	99.704
3.00	2.875	0.109	0.229	99.933
3.25	3.125	0.019	0.040	99.973
3.50	3.375	0.008	0.017	99.990
3.75	3.625	0.003	0.006	99.996
4.00	3.875	0.001	0.002	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.8946	phi	(0.269 mm)
Standard Dev:	0.3177	phi-units	(0.8024 mm)
Skewness:	-0.0585	dimensionless	
Kurtosis:	3.7070	dimensionless	
5th Moment:	-1.2382	dimensionless	
6th Moment:	40.9939	dimensionless	
RARD *	0.1677	dimensionless	
Median	1.7680	phi	(0.2936 mm)
* RARD = reciprocal absolute relative dispersion (see below)			

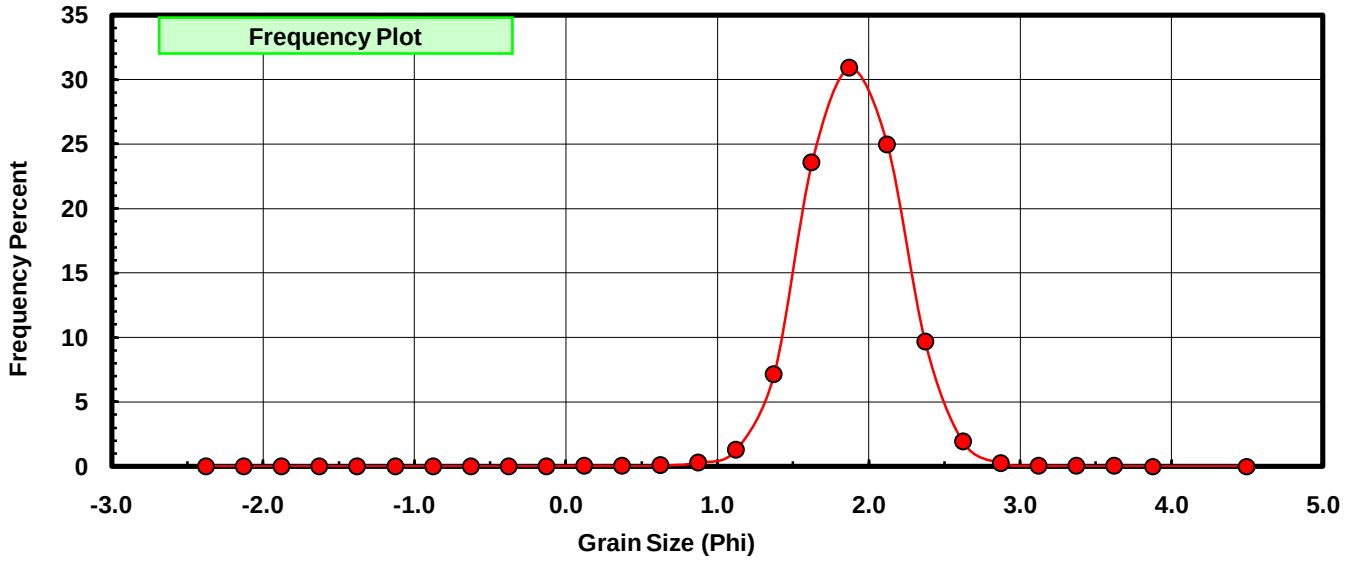
Statistical Explanation

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

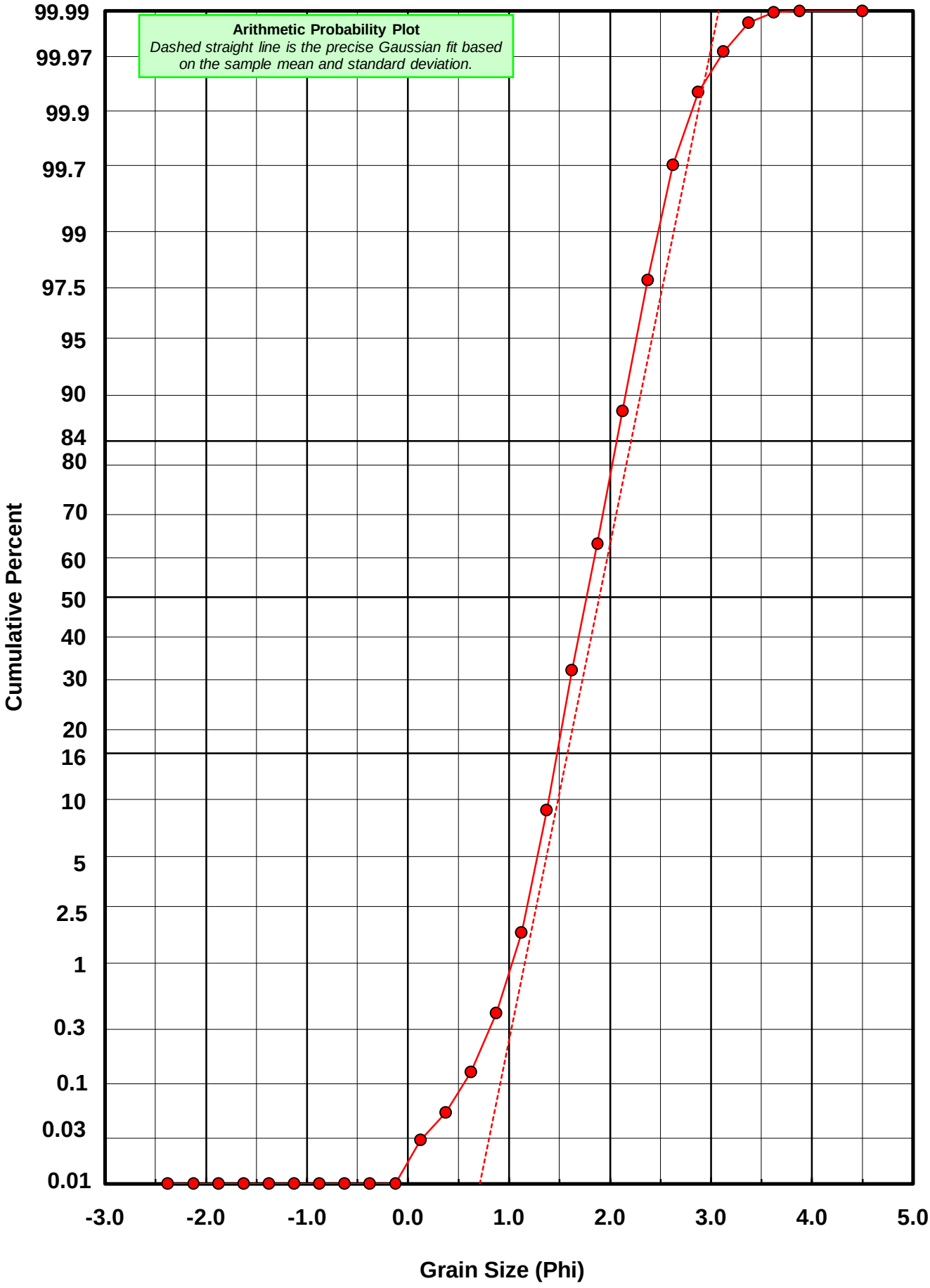
For Further Explanation, See Basillle et al. 2002

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-11-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)