Onshore Grab Sample

Sample: GF-16-BB
Sample Taken By: D. Phelps
Sample Collected On: 11/19/10
Splits? N/A

County: Gulf
Latitude: 29° 44' 2.3" N
Longitude: 85° 23' 39.1" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	62.846	grams
Total Fines in Sample	0.104	grams
Total Percent Fines	0.17	%

Dry Sieving Summary

Total Sample Weight	62.911	grams
Total Digested Weight	60.943	grams
Total Carbonate Weight	1.968	grams
Total Silica %	96.87	%
Total Carbonate %	3.13	%
Carbonate/Silica Ratio	0.032	

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-16-BB

Total Sample Mass: 62.911 grams

Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.125	0.199	0.199
-2.00	-2.125	0.031	0.049	0.248
-1.75	-1.875	0.122	0.194	0.442
-1.50	-1.625	0.087	0.138	0.580
-1.25	-1.375	0.250	0.397	0.978
-1.00	-1.125	0.108	0.172	1.149
-0.75	-0.875	0.133	0.211	1.361
-0.50	-0.625	0.194	0.308	1.669
-0.25	-0.375	0.139	0.221	1.890
0.00	-0.125	0.165	0.262	2.152
0.25	0.125	0.195	0.310	2.462
0.50	0.375	0.442	0.703	3.165
0.75	0.625	0.622	0.989	4.153
1.00	0.875	1.014	1.612	5.765
1.25	1.125	1.455	2.313	8.078
1.50	1.375	3.467	5.511	13.589
1.75	1.625	7.718	12.268	25.857
2.00	1.875	10.011	15.913	41.770
2.25	2.125	12.370	19.663	61.433
2.50	2.375	9.797	15.573	77.006
2.75	2.625	8.846	14.061	91.067
3.00	2.875	4.557	7.244	98.310
3.25	3.125	0.828	1.316	99.626
3.50	3.375	0.137	0.218	99.844
3.75	3.625	0.064	0.102	99.946
4.00	3.875	0.014	0.022	99.968
5.00	4.50	0.020	0.032	100.000

Statistical Results			
Mean:	2.0183	phi	(0.2468 mm)
Standard Dev:	0.7181	phi-units	(0.6079 mm)
Skewness:	-2.1452	dimensionless	
Kurtosis:	11.4156	dimensionless	
5th Moment:	-53.4650	dimensionless	
6th Moment:	281.7565	dimensionless	
RARD *	0.3558	dimensionless	
Median	1.9796	phi	(0.2536 mm)
* RARD = reciprocal absolute relative dispersion (see below)			

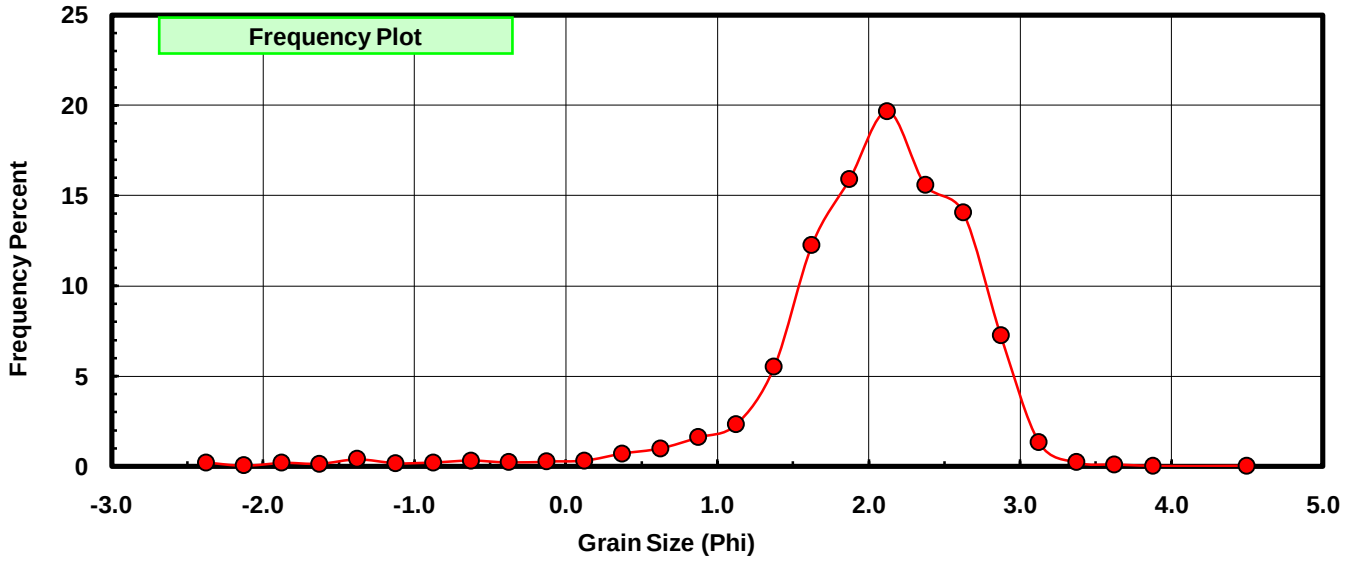
Statistical Explanation

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

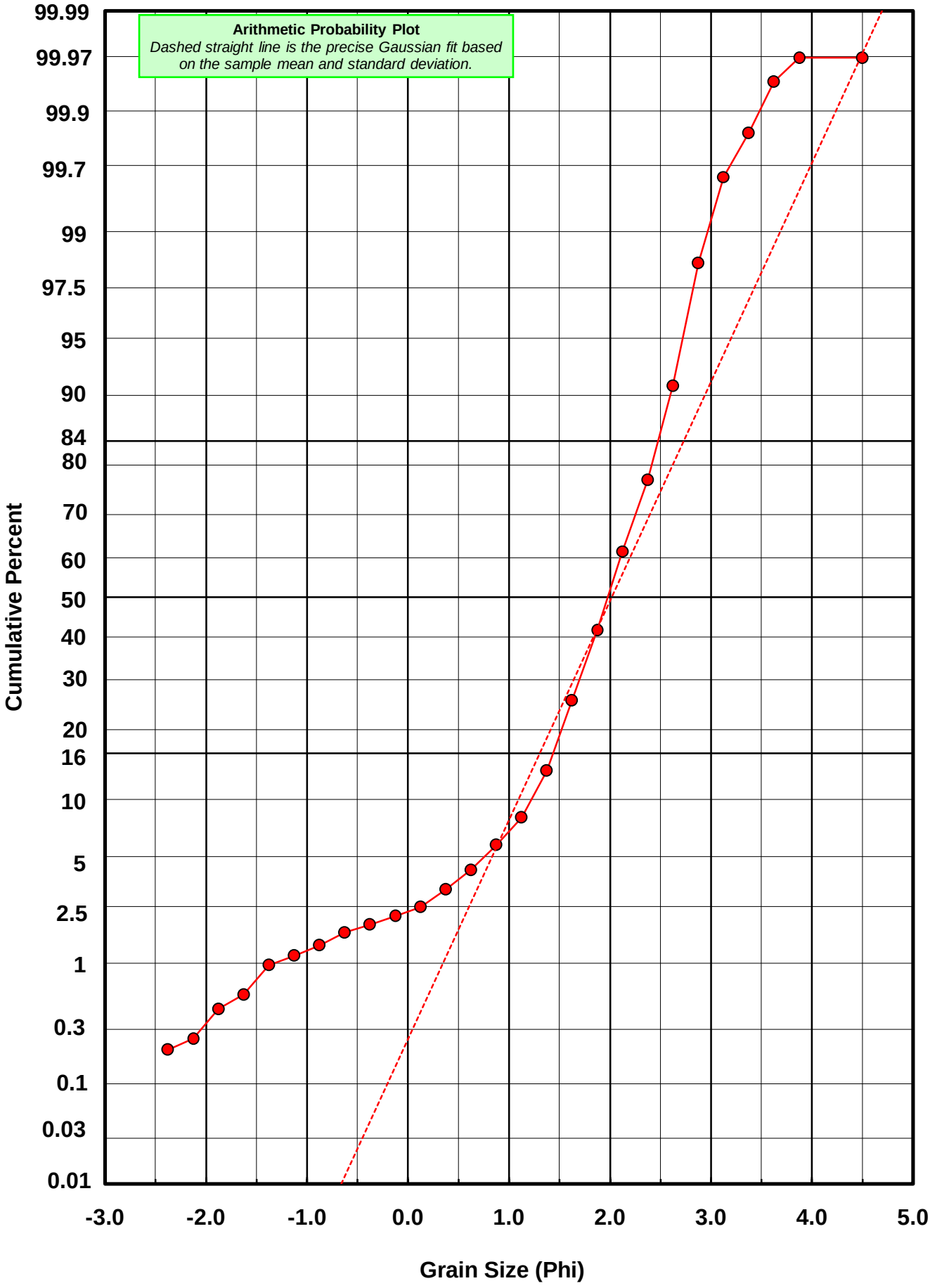
For Further Explanation, See Basillle et al. 2002

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-16-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)