Onshore Grab Sample

Sample: OA-26-SS
Sample Taken By: J. Ladner
Sample Collected On: 9/12/06
Splits? Yes

County: Okaloosa
Latitude: 30° 22' 53.92"
Longitude: 86° 24' 53.27"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	81.779	grams
Total Fines in Sample	0.291	grams
Total Percent Fines	0.35	%

Dry Sieving Summary

Total Sample Weight	81.405	grams
Total Digested Weight	81.372	grams
Total Carbonate Weight	0.033	grams
Total Silica %	99.96	%
Total Carbonate %	0.04	%
Carbonate/Silica Ratio	0.000	

General Comments:

Not enough Carbonate Material to run a Post-Digestion Analysis

Description

Worked By: M. Lachance

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: OA-26-SS

Total Sample Mass: 81.405 grams

Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-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	0.001	0.001	0.001
0.50	0.375	0.019	0.023	0.025
0.75	0.625	0.083	0.102	0.127
1.00	0.875	0.710	0.872	0.999
1.25	1.125	2.855	3.507	4.506
1.50	1.375	11.376	13.975	18.480
1.75	1.625	23.027	28.287	46.767
2.00	1.875	26.200	32.185	78.952
2.25	2.125	13.239	16.263	95.215
2.50	2.375	2.995	3.679	98.894
2.75	2.625	0.629	0.773	99.667
3.00	2.875	0.204	0.251	99.918
3.25	3.125	0.048	0.059	99.977
3.50	3.375	0.011	0.014	99.990
3.75	3.625	0.002	0.002	99.993
4.00	3.875	0.001	0.001	99.994
5.00	4.500	0.000	0.000	99.994
5.00	4.50	0.005	0.006	100.000

Statistical Results			
Mean:	1.7663	phi	(0.294 mm)
Standard Dev:	0.3172	phi-units	(0.8026 mm)
Skewness:	0.0416	dimensionless	
Kurtosis:	4.0175	dimensionless	
5th Moment:	4.1402	dimensionless	
6th Moment:	54.9136	dimensionless	
RARD *	0.1796	dimensionless	
Median	1.6501	phi	(0.3186 mm)
* RARD = reciprocal absolute relative dispersion (see below)			

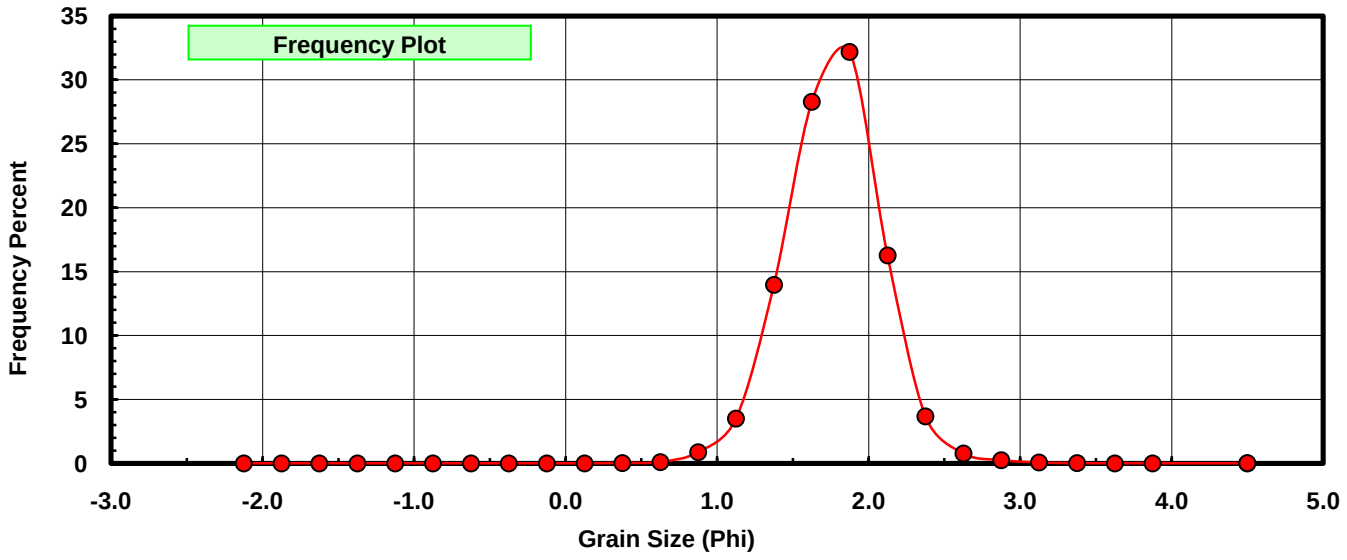
Statistical Explanation

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

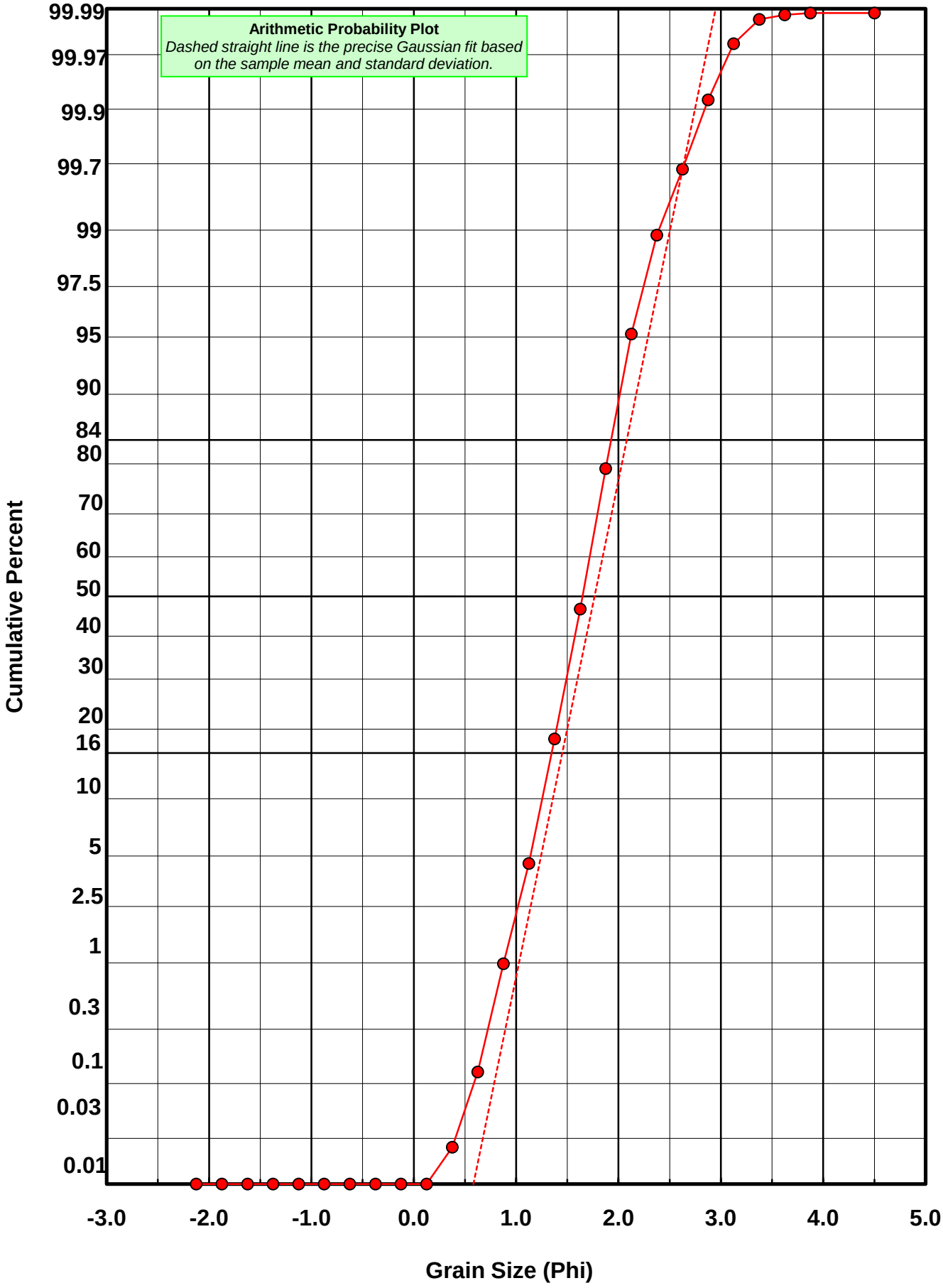
For Further Explanation, See Basillle et al. 2002

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)



OA-26-SS


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)