Onshore Grab Sample

Sample: OA-22-SS
Sample Taken By: J. Ladner
Sample Collected On: 9/12/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 2.52"
Longitude: 86° 28' 46.86"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	76.677	grams
Total Fines in Sample	0.561	grams
Total Percent Fines	0.73	%

Dry Sieving Summary

Total Sample Weight	76.064	grams
Total Digested Weight	76.025	grams
Total Carbonate Weight	0.039	grams
Total Silica %	99.95	%
Total Carbonate %	0.05	%
Carbonate/Silica Ratio	0.001	

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-22-SS

Total Sample Mass: 76.064 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	0.003	0.004	0.004
0.50	0.375	0.022	0.029	0.033
0.75	0.625	0.109	0.143	0.176
1.00	0.875	1.061	1.395	1.571
1.25	1.125	3.250	4.273	5.844
1.50	1.375	9.403	12.362	18.206
1.75	1.625	18.219	23.952	42.158
2.00	1.875	24.840	32.657	74.815
2.25	2.125	15.190	19.970	94.785
2.50	2.375	3.568	4.691	99.475
2.75	2.625	0.354	0.465	99.941
3.00	2.875	0.028	0.037	99.978
3.25	3.125	0.005	0.007	99.984
3.50	3.375	0.004	0.005	99.989
3.75	3.625	0.001	0.001	99.991
4.00	3.875	0.003	0.004	99.995
5.00	4.500	0.000	0.000	99.995
5.00	4.50	0.004	0.005	100.000

Statistical Results			
Mean:	1.7827	phi	(0.2906 mm)
Standard Dev:	0.3282	phi-units	(0.7965 mm)
Skewness:	-0.3427	dimensionless	
Kurtosis:	3.5590	dimensionless	
5th Moment:	-0.7853	dimensionless	
6th Moment:	39.8853	dimensionless	
RARD *	0.1841	dimensionless	
Median	1.6850	phi	(0.311 mm)
* RARD = reciprocal absolute relative dispersion (see below)			

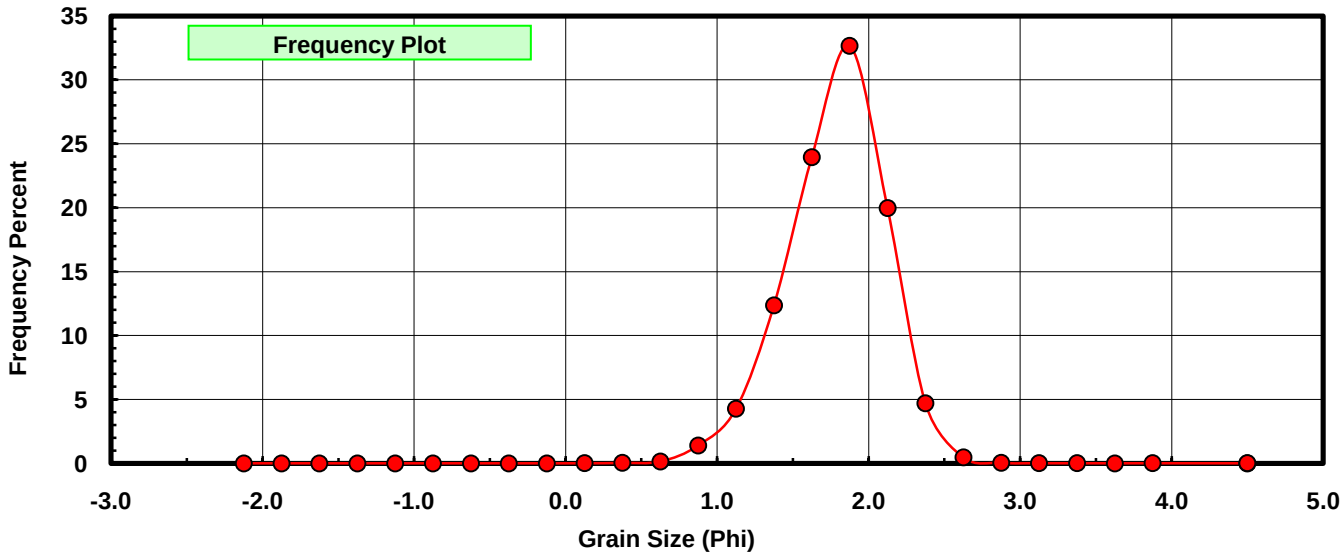
Statistical Explanation

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

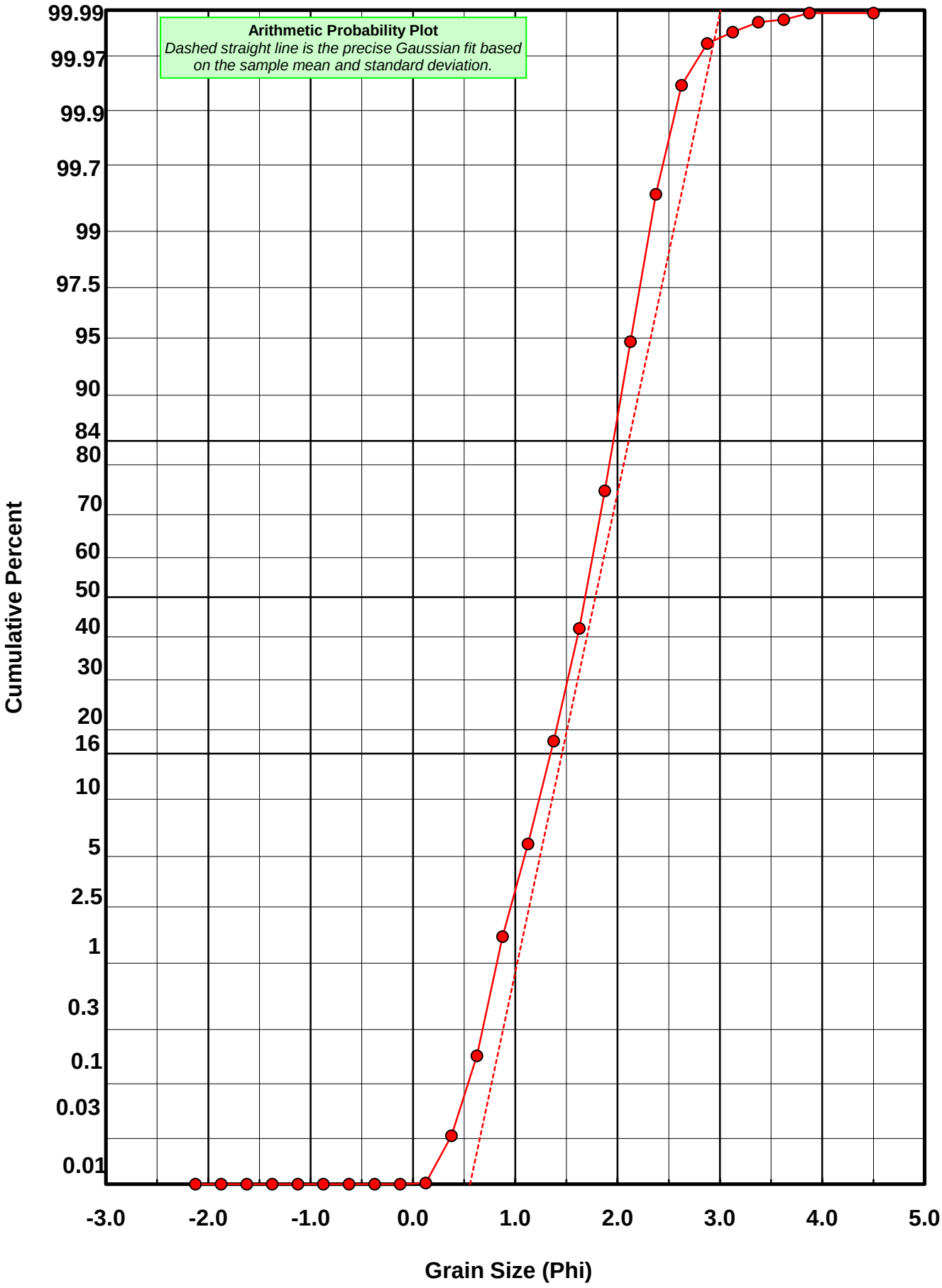
For Further Explanation, See Basillle et al. 2002

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-22-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)