Onshore Grab Sample

Sample: OA-26-BB
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	71.571	grams
Total Fines in Sample	0.020	grams
Total Percent Fines	0.03	%

Dry Sieving Summary

Total Sample Weight	71.538	grams
Total Digested Weight	71.479	grams
Total Carbonate Weight	0.059	grams
Total Silica %	99.92	%
Total Carbonate %	0.08	%
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-26-BB

Total Sample Mass: 71.538 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	0.015	0.021	0.021
-0.50	-0.625	0.018	0.025	0.046
-0.25	-0.375	0.113	0.158	0.204
0.00	-0.125	0.282	0.394	0.598
0.25	0.125	0.699	0.977	1.575
0.50	0.375	1.533	2.143	3.718
0.75	0.625	3.689	5.157	8.875
1.00	0.875	10.530	14.719	23.594
1.25	1.125	12.043	16.834	40.429
1.50	1.375	15.352	21.460	61.889
1.75	1.625	13.483	18.847	80.736
2.00	1.875	9.003	12.585	93.321
2.25	2.125	3.867	5.406	98.727
2.50	2.375	0.747	1.044	99.771
2.75	2.625	0.110	0.154	99.925
3.00	2.875	0.021	0.029	99.954
3.25	3.125	0.014	0.020	99.973
3.50	3.375	0.007	0.010	99.983
3.75	3.625	0.003	0.004	99.987
4.00	3.875	0.002	0.003	99.990
5.00	4.500	0.000	0.000	99.990
5.00	4.50	0.007	0.010	100.000

Statistical Results			
Mean:	1.3417	phi	(0.3945 mm)
Standard Dev:	0.4693	phi-units	(0.7223 mm)
Skewness:	-0.2562	dimensionless	
Kurtosis:	3.4911	dimensionless	
5th Moment:	-1.8331	dimensionless	
6th Moment:	32.2096	dimensionless	
RARD *	0.3498	dimensionless	
Median	1.2365	phi	(0.4244 mm)
* RARD = reciprocal absolute relative dispersion (see below)			

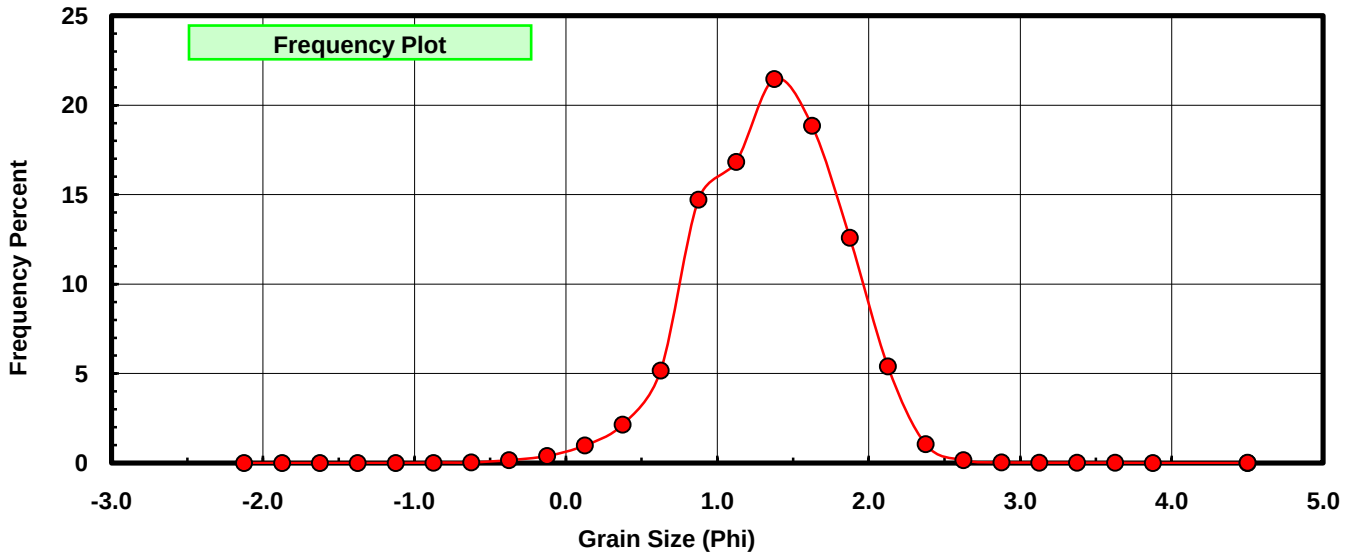
Statistical Explanation

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

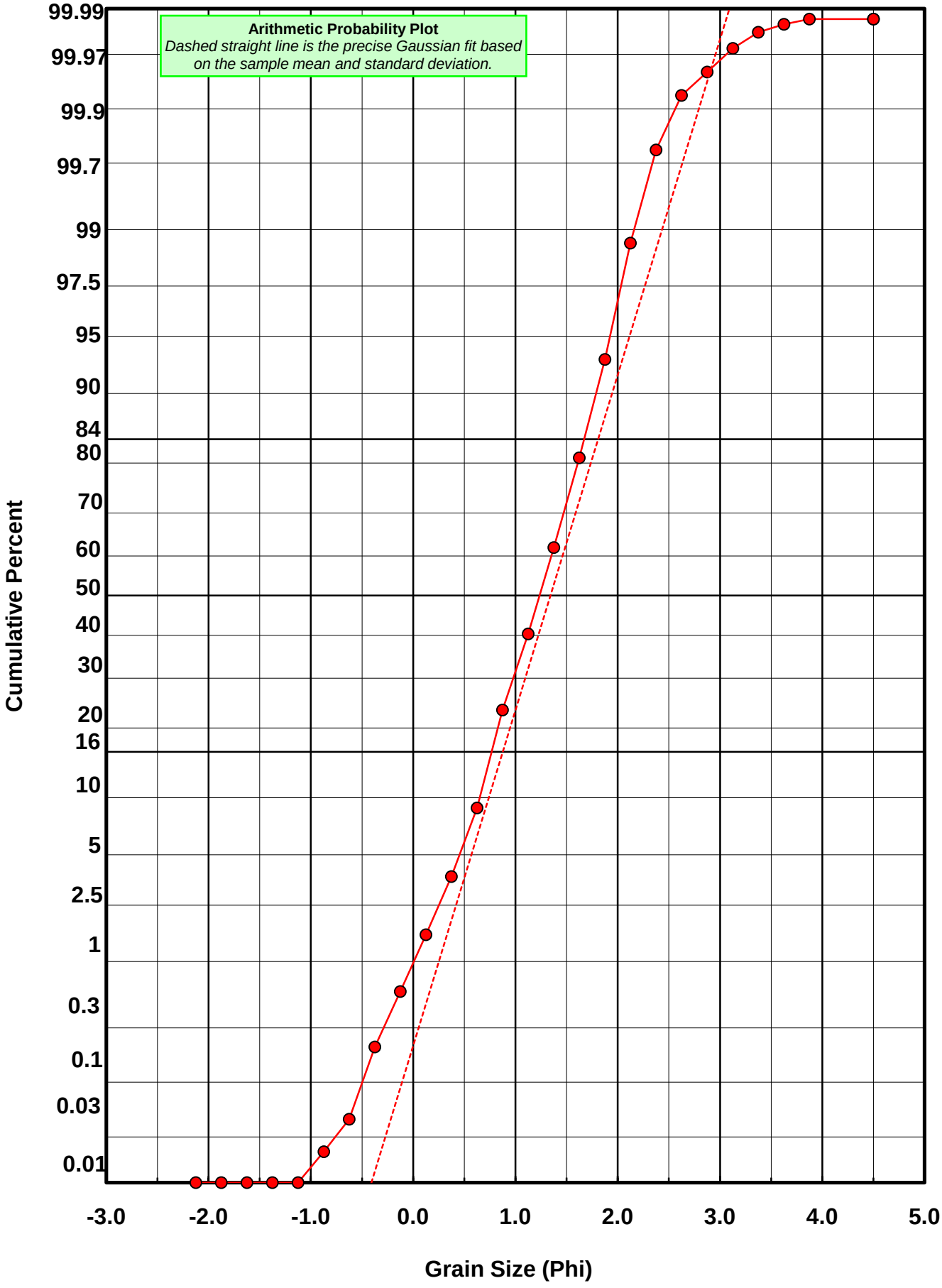
For Further Explanation, See Basillle et al. 2002

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-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)