Onshore Grab Sample

Sample: LE-08
Sample Taken By: D. Phelps
Sample Collected On: 11/8/09
Splits? N/A

County: Lee
Latitude: 26° 41' 30.6"
Longitude: 82° 15' 24.3"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	41.688	grams
Total Fines in Sample	0.164	grams
Total Percent Fines	0.39	%

Dry Sieving Summary

Total Sample Weight	41.688	grams
Total Digested Weight	2.172	grams
Total Carbonate Weight	39.516	grams
Total Silica %	5.21	%
Total Carbonate %	94.79	%
Carbonate/Silica Ratio	18.193	

General Comments:

Not Enough Sample to do Post-Digestion Analysis

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: LE-08

Total Sample Mass: 41.688 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	0.076	0.182	0.182
-1.50	-1.625	0.456	1.094	1.276
-1.25	-1.375	0.871	2.089	3.365
-1.00	-1.125	1.626	3.900	7.266
-0.75	-0.875	3.427	8.221	15.486
-0.50	-0.625	6.370	15.280	30.767
-0.25	-0.375	8.263	19.821	50.588
0.00	-0.125	7.370	17.679	68.267
0.25	0.125	5.168	12.397	80.664
0.50	0.375	3.280	7.868	88.531
0.75	0.625	1.937	4.646	93.178
1.00	0.875	1.108	2.658	95.836
1.25	1.125	0.317	0.760	96.596
1.50	1.375	0.198	0.475	97.071
1.75	1.625	0.131	0.314	97.385
2.00	1.875	0.191	0.458	97.844
2.25	2.125	0.224	0.537	98.381
2.50	2.375	0.246	0.590	98.971
2.75	2.625	0.246	0.590	99.561
3.00	2.875	0.126	0.302	99.863
3.25	3.125	0.035	0.084	99.947
3.50	3.375	0.010	0.024	99.971
3.75	3.625	0.005	0.012	99.983
4.00	3.875	0.002	0.005	99.988
5.00	4.50	0.005	0.012	100.000

Statistical Results			
Mean:	-0.1774	phi	(1.1308 mm)
Standard Dev:	0.7008	phi-units	(0.6152 mm)
Skewness:	1.3472	dimensionless	
Kurtosis:	7.0047	dimensionless	
5th Moment:	23.3295	dimensionless	
6th Moment:	103.6828	dimensionless	
RARD *	3.9509	dimensionless	
Median	-0.3824	phi	(1.3035 mm)
* RARD = reciprocal absolute relative dispersion (see below)			

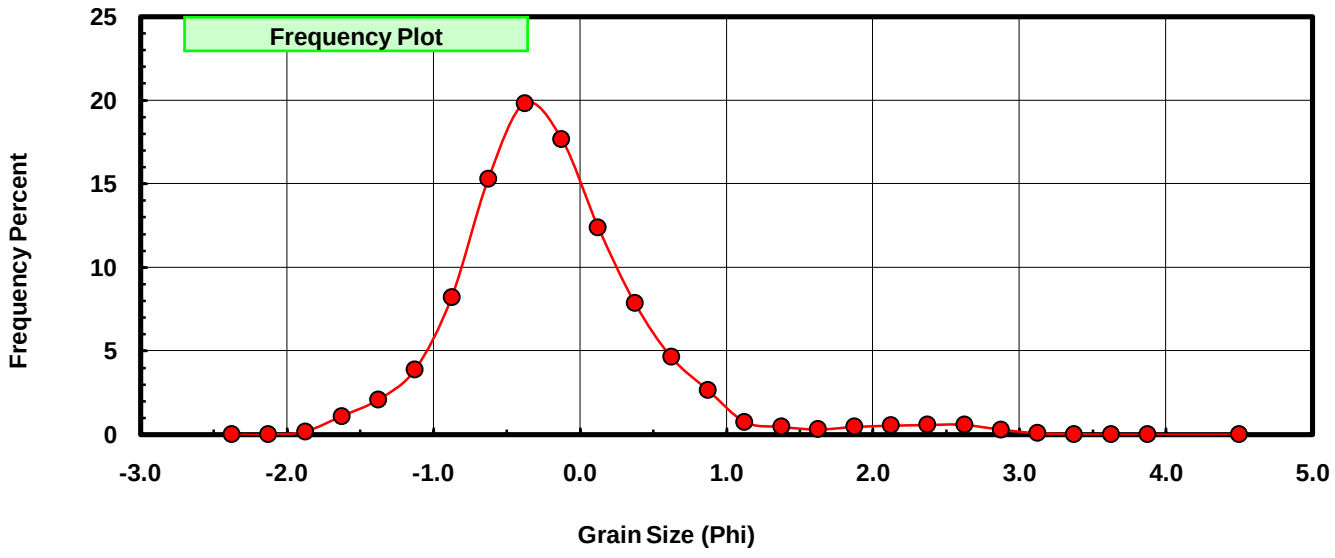
Statistical Explanation

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)



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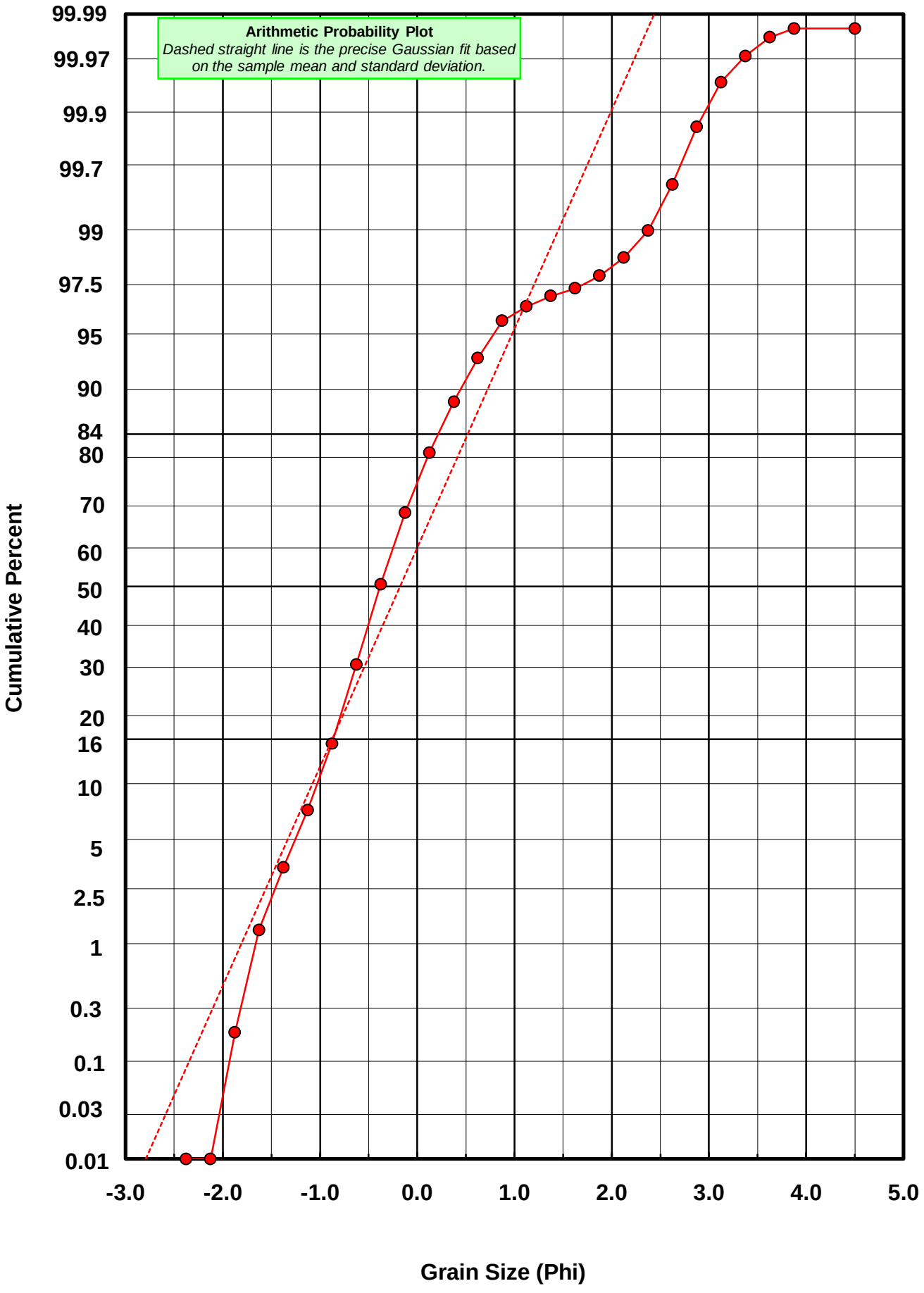
Arithmetic Probability Plot
Dashed straight line is the precise Gaussian fit based on the sample mean and standard deviation.
Cumulative Percent
99.99
99.97
99.9
99.7
99
97.5
95
90
84
80
70
60
50
40
30
20
16
10
5
2.5
1
0.3
0.1
0.03
0.01
-3.0
-2.0
-1.0
0.0
1.0
2.0
3.0
4.0
5.0
Grain Size (Phi)