

Onshore Grab Sample

Sample: DD-10-SS
Sample Taken By: D. Phelps
Sample Collected On: 2/24/09
Splits? N/A

County: Dade
Latitude: 25° 50' 00.1"
Longitude: 80° 07' 09.8"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 60.761 grams
Total Fines in Sample 0.229 grams
Total Percent Fines 0.38 %

Dry Sieving Summary

Total Sample Weight 60.649 grams
Total Digested Weight 12.290 grams
Total Carbonate Weight 48.359 grams
Total Silica % 20.26 %
Total Carbonate % 79.74 %
Carbonate/Silica Ratio 3.935

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: DD-10-SS

Total Sample Mass: 60.649 grams

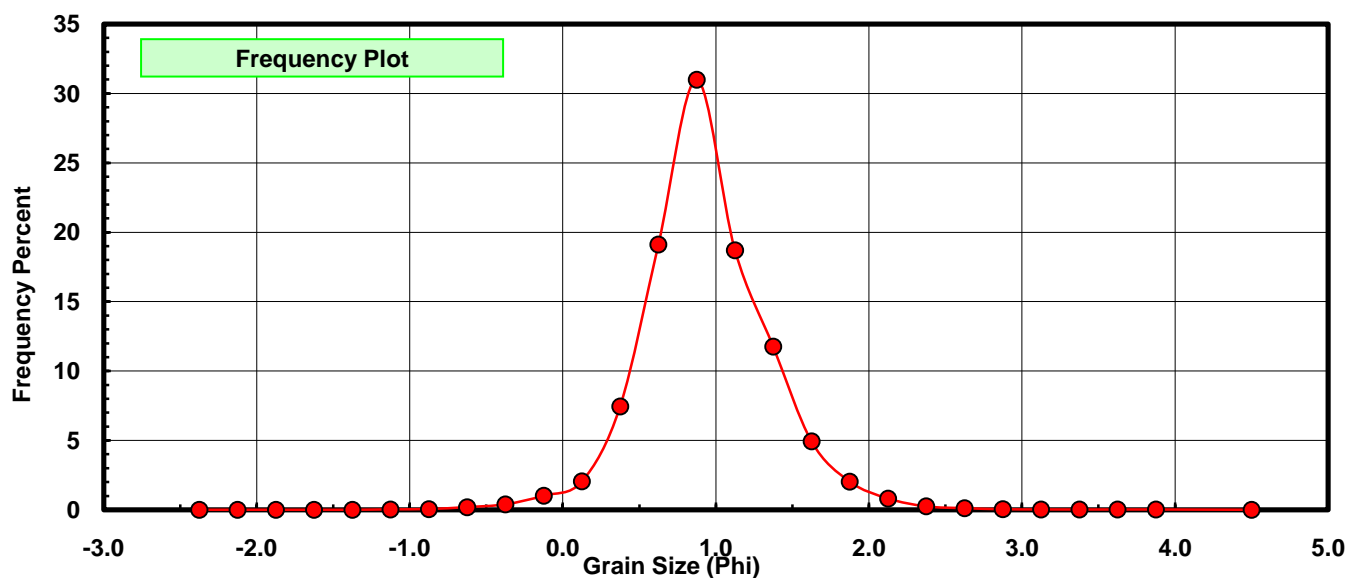
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.018	0.030	0.030
-0.75	-0.875	0.033	0.054	0.084
-0.50	-0.625	0.117	0.193	0.277
-0.25	-0.375	0.239	0.394	0.671
0.00	-0.125	0.619	1.021	1.692
0.25	0.125	1.240	2.045	3.736
0.50	0.375	4.522	7.456	11.192
0.75	0.625	11.594	19.117	30.309
1.00	0.875	18.792	30.985	61.294
1.25	1.125	11.344	18.704	79.998
1.50	1.375	7.127	11.751	91.749
1.75	1.625	2.990	4.930	96.679
2.00	1.875	1.229	2.026	98.706
2.25	2.125	0.493	0.813	99.519
2.50	2.375	0.148	0.244	99.763
2.75	2.625	0.070	0.115	99.878
3.00	2.875	0.023	0.038	99.916
3.25	3.125	0.015	0.025	99.941
3.50	3.375	0.012	0.020	99.960
3.75	3.625	0.012	0.020	99.980
4.00	3.875	0.012	0.020	100.000
5.00	4.50	0.000	0.000	100.000

Statistical Results			
Mean:	0.9366	phi	(0.5225 mm)
Standard Dev:	0.4277	phi-units	(0.7434 mm)
Skewness:	0.3024	dimensionless	
Kurtosis:	5.3445	dimensionless	
5th Moment:	7.4493	dimensionless	
6th Moment:	82.2238	dimensionless	
RARD *	0.4567	dimensionless	
Median	0.7839	phi	(0.5808 mm)

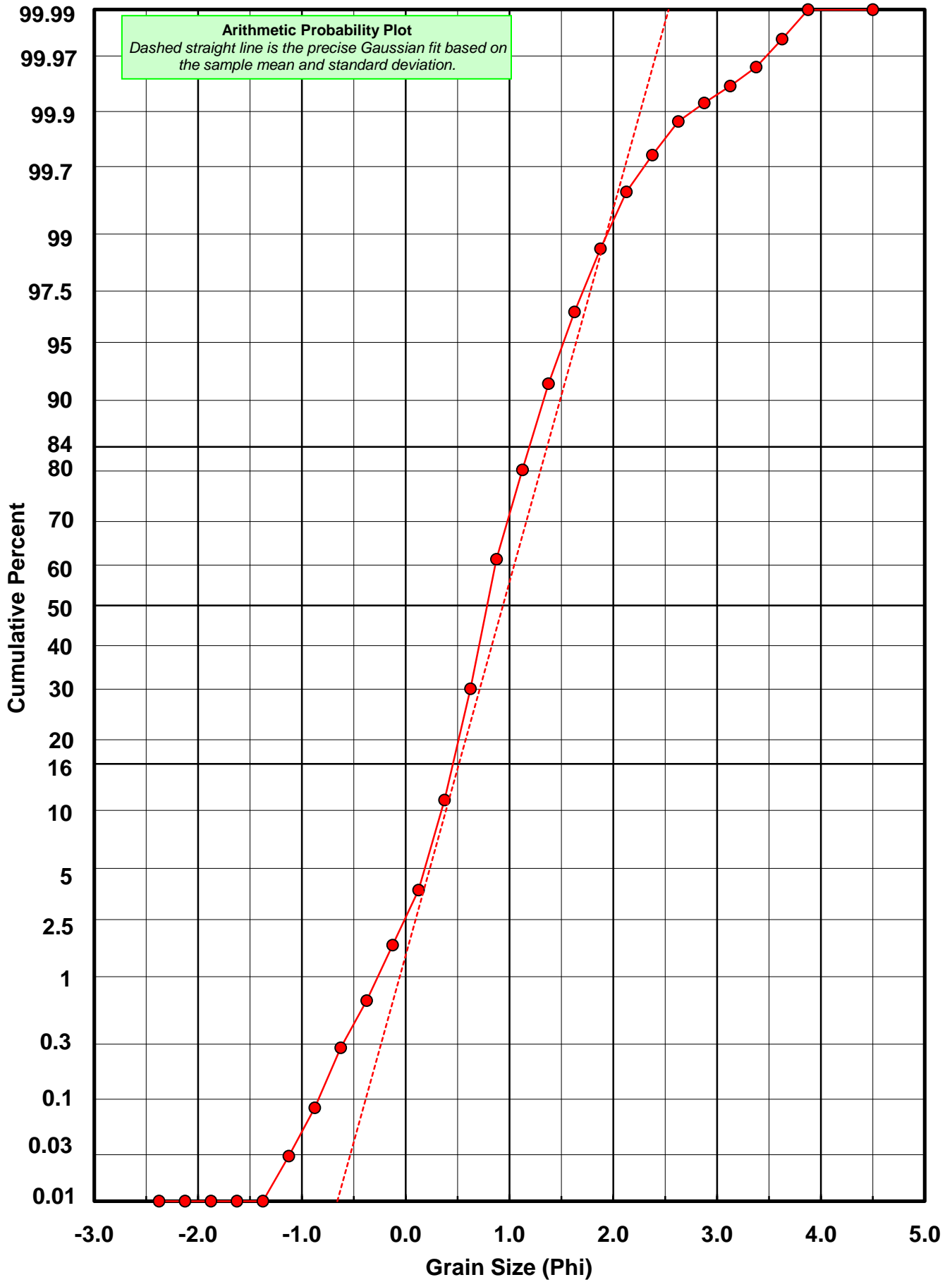
* RARD = reciprocal absolute relative dispersion (see below)

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 Basille 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)



DD-10-SS



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: DD-10-SS

Total Carbonate Mass: 48.384 grams

% Carbonate: 79.7 %

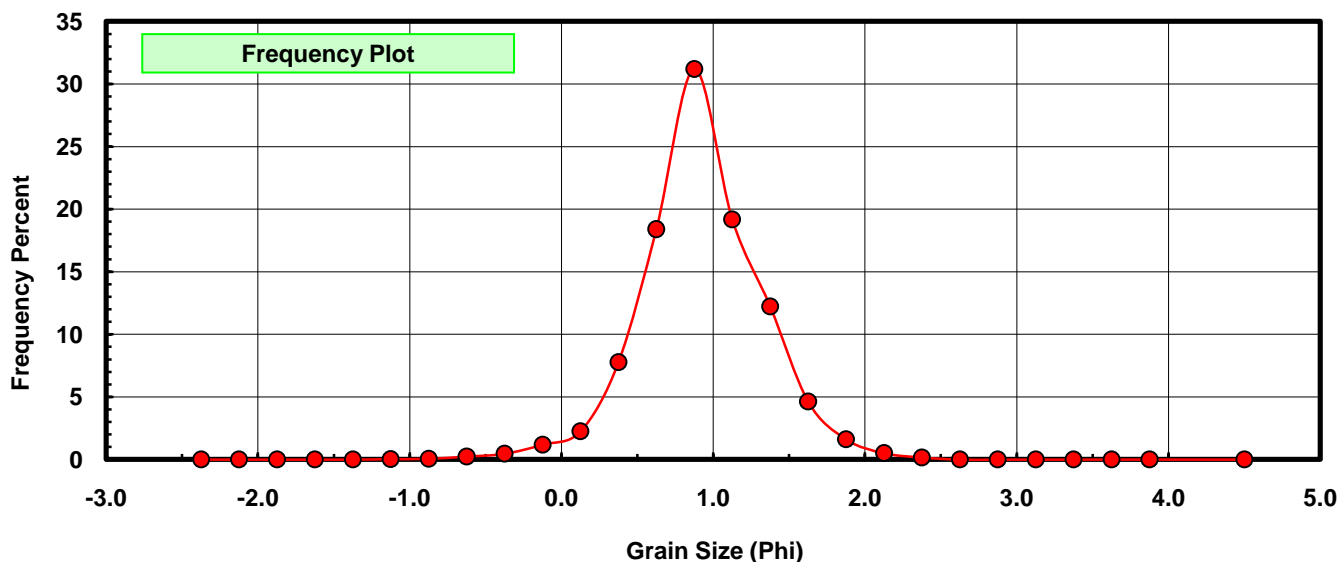
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.018	0.037	0.037
-0.75	-0.875	0.033	0.068	0.105
-0.50	-0.625	0.117	0.242	0.347
-0.25	-0.375	0.225	0.465	0.812
0.00	-0.125	0.578	1.195	2.007
0.25	0.125	1.093	2.259	4.266
0.50	0.375	3.763	7.777	12.043
0.75	0.625	8.905	18.405	30.448
1.00	0.875	15.093	31.194	61.642
1.25	1.125	9.279	19.178	80.820
1.50	1.375	5.920	12.235	93.056
1.75	1.625	2.243	4.636	97.691
2.00	1.875	0.783	1.618	99.310
2.25	2.125	0.248	0.513	99.822
2.50	2.375	0.082	0.169	99.992
2.75	2.625	0.000	0.000	99.992
3.00	2.875	0.000	0.000	99.992
3.25	3.125	0.000	0.000	99.992
3.50	3.375	0.000	0.000	99.992
3.75	3.625	0.002	0.004	99.996
4.00	3.875	0.002	0.004	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	0.9191	phi	(0.5288 mm)
Standard Dev:	0.4133	phi-units	(0.7509 mm)
Skewness:	-0.1219	dimensionless	
Kurtosis:	4.4168	dimensionless	
5th Moment:	-2.2967	dimensionless	
6th Moment:	45.6241	dimensionless	
RARD *	0.4497	dimensionless	
Median	0.7817	phi	(0.5817 mm)

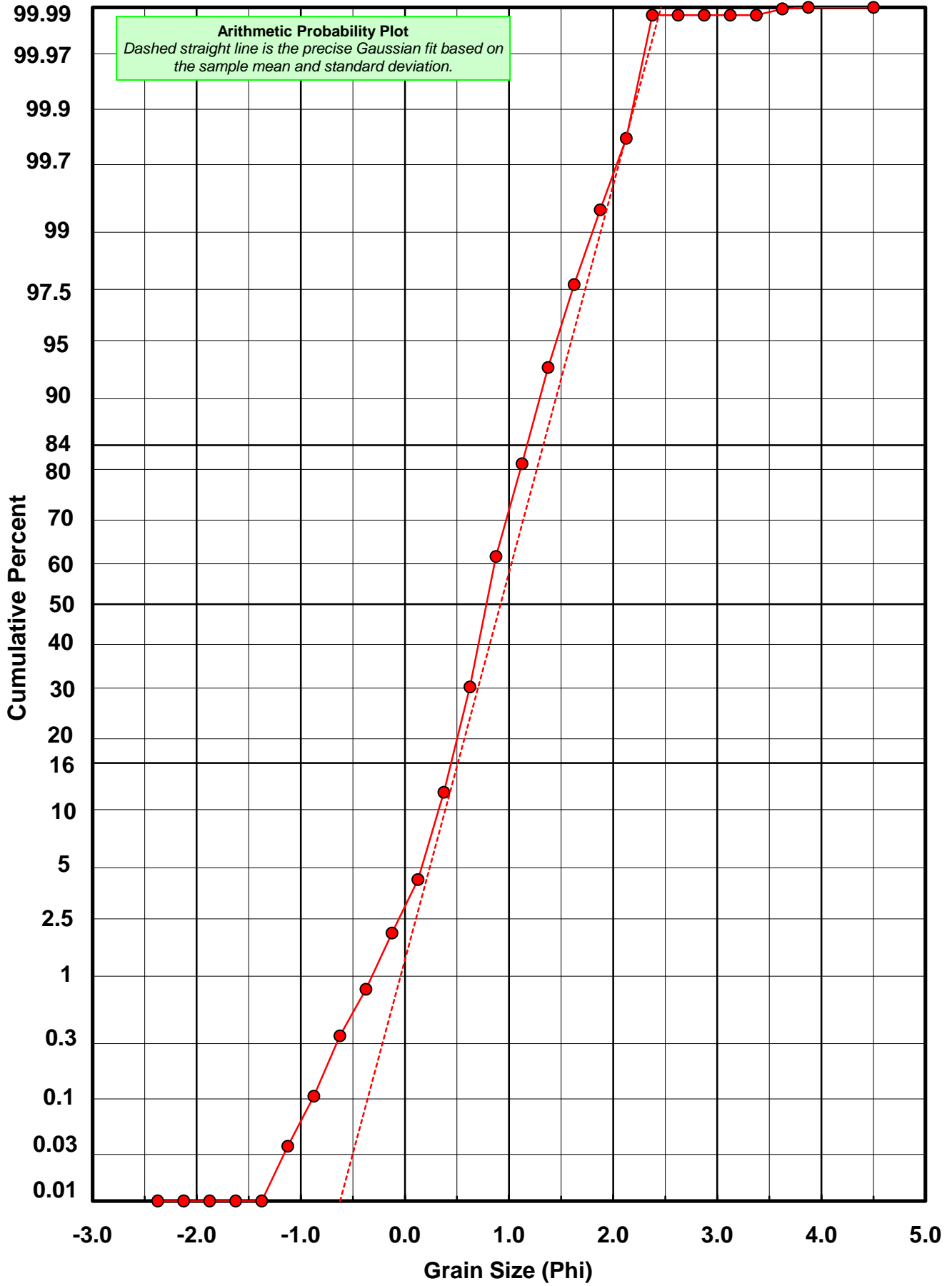
* RARD = reciprocal absolute relative dispersion (see below)

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 Basille 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)



DD-10-SS



Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: DD-10-SS

Total Digested Mass: 12.290 grams

% Silica: 20.3 %

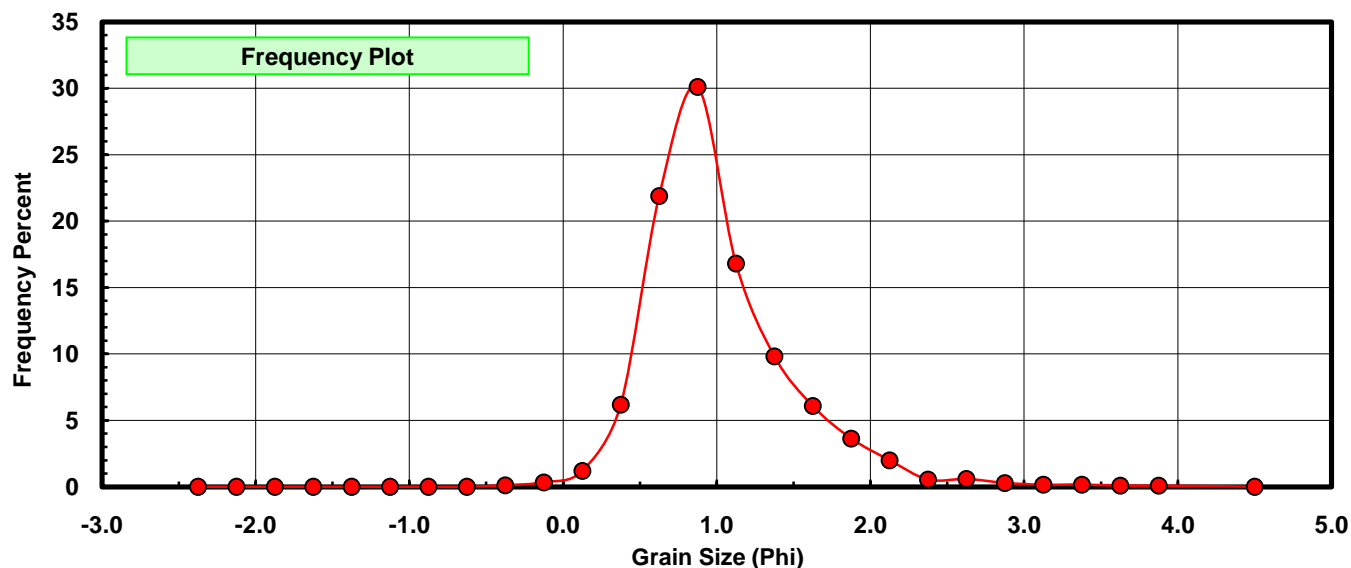
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.014	0.114	0.114
0.00	-0.125	0.041	0.334	0.448
0.25	0.125	0.147	1.196	1.644
0.50	0.375	0.759	6.176	7.819
0.75	0.625	2.689	21.880	29.699
1.00	0.875	3.699	30.098	59.797
1.25	1.125	2.065	16.802	76.599
1.50	1.375	1.207	9.821	86.420
1.75	1.625	0.747	6.078	92.498
2.00	1.875	0.446	3.629	96.127
2.25	2.125	0.245	1.993	98.120
2.50	2.375	0.066	0.537	98.657
2.75	2.625	0.072	0.586	99.243
3.00	2.875	0.035	0.285	99.528
3.25	3.125	0.018	0.146	99.675
3.50	3.375	0.020	0.163	99.837
3.75	3.625	0.010	0.081	99.919
4.00	3.875	0.010	0.081	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	1.0096	phi	(0.4967 mm)
Standard Dev:	0.5025	phi-units	(0.7059 mm)
Skewness:	1.2968	dimensionless	
Kurtosis:	6.1425	dimensionless	
5th Moment:	21.2203	dimensionless	
6th Moment:	99.2621	dimensionless	
RARD *	0.4977	dimensionless	
Median	0.7936	phi	(0.5769 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 Basille 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)



DD-10-SS

