

Onshore Grab Sample

Sample: BV-26-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/18/09
Splits? N/A

County: Brevard
Latitude: 28° 29' 5.9"
Longitude: 80° 32' 20.8"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	64.853 grams
Total Fines in Sample	0.050 grams
Total Percent Fines	0.08 %

Dry Sieving Summary

Total Sample Weight	64.757 grams
Total Digested Weight	47.330 grams
Total Carbonate Weight	17.427 grams
Total Silica %	73.09 %
Total Carbonate %	26.91 %
Carbonate/Silica Ratio	0.368

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: BV-26-BB

Total Sample Mass: 64.757 grams

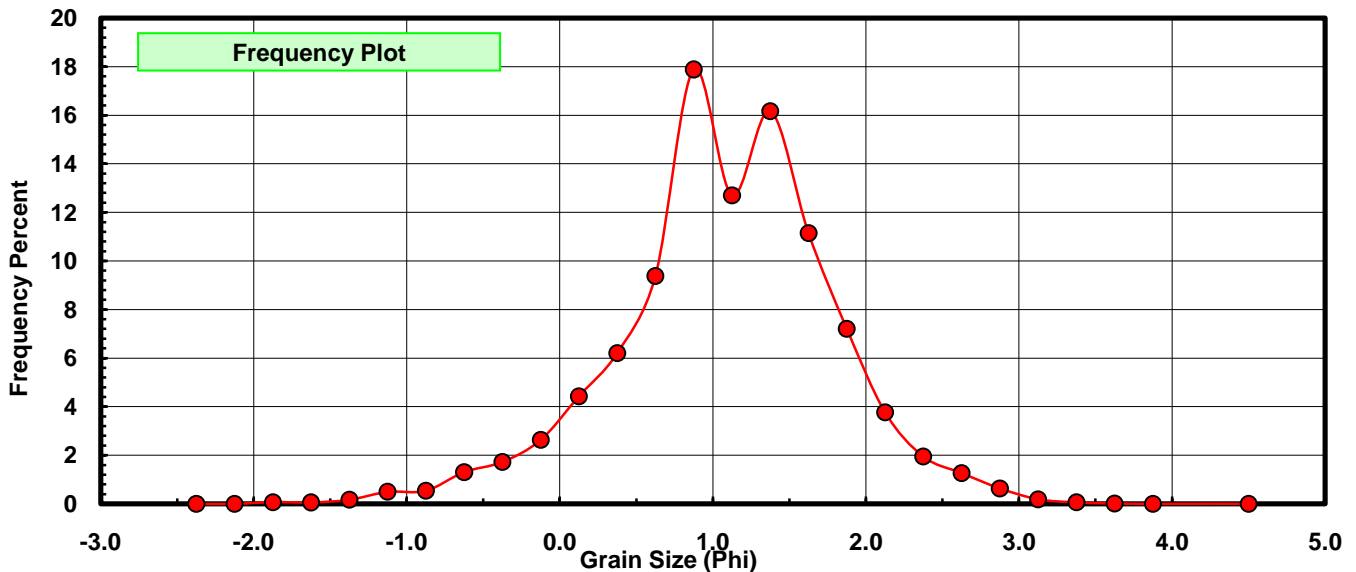
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.046	0.071	0.071
-1.50	-1.625	0.038	0.059	0.130
-1.25	-1.375	0.108	0.167	0.296
-1.00	-1.125	0.320	0.494	0.791
-0.75	-0.875	0.348	0.537	1.328
-0.50	-0.625	0.848	1.310	2.638
-0.25	-0.375	1.115	1.722	4.359
0.00	-0.125	1.703	2.630	6.989
0.25	0.125	2.867	4.427	11.417
0.50	0.375	4.017	6.203	17.620
0.75	0.625	6.073	9.378	26.998
1.00	0.875	11.582	17.885	44.883
1.25	1.125	8.222	12.697	57.580
1.50	1.375	10.470	16.168	73.748
1.75	1.625	7.214	11.140	84.888
2.00	1.875	4.669	7.210	92.098
2.25	2.125	2.442	3.771	95.869
2.50	2.375	1.262	1.949	97.818
2.75	2.625	0.822	1.269	99.087
3.00	2.875	0.413	0.638	99.725
3.25	3.125	0.123	0.190	99.915
3.50	3.375	0.039	0.060	99.975
3.75	3.625	0.012	0.019	99.994
4.00	3.875	0.001	0.002	99.995
5.00	4.50	0.003	0.005	100.000

Statistical Results			
Mean:	1.0795	phi	(0.4732 mm)
Standard Dev:	0.7173	phi-units	(0.6082 mm)
Skewness:	-0.3449	dimensionless	
Kurtosis:	3.7749	dimensionless	
5th Moment:	-3.6915	dimensionless	
6th Moment:	25.7051	dimensionless	
RARD *	0.6645	dimensionless	
Median	0.9758	phi	(0.5085 mm)

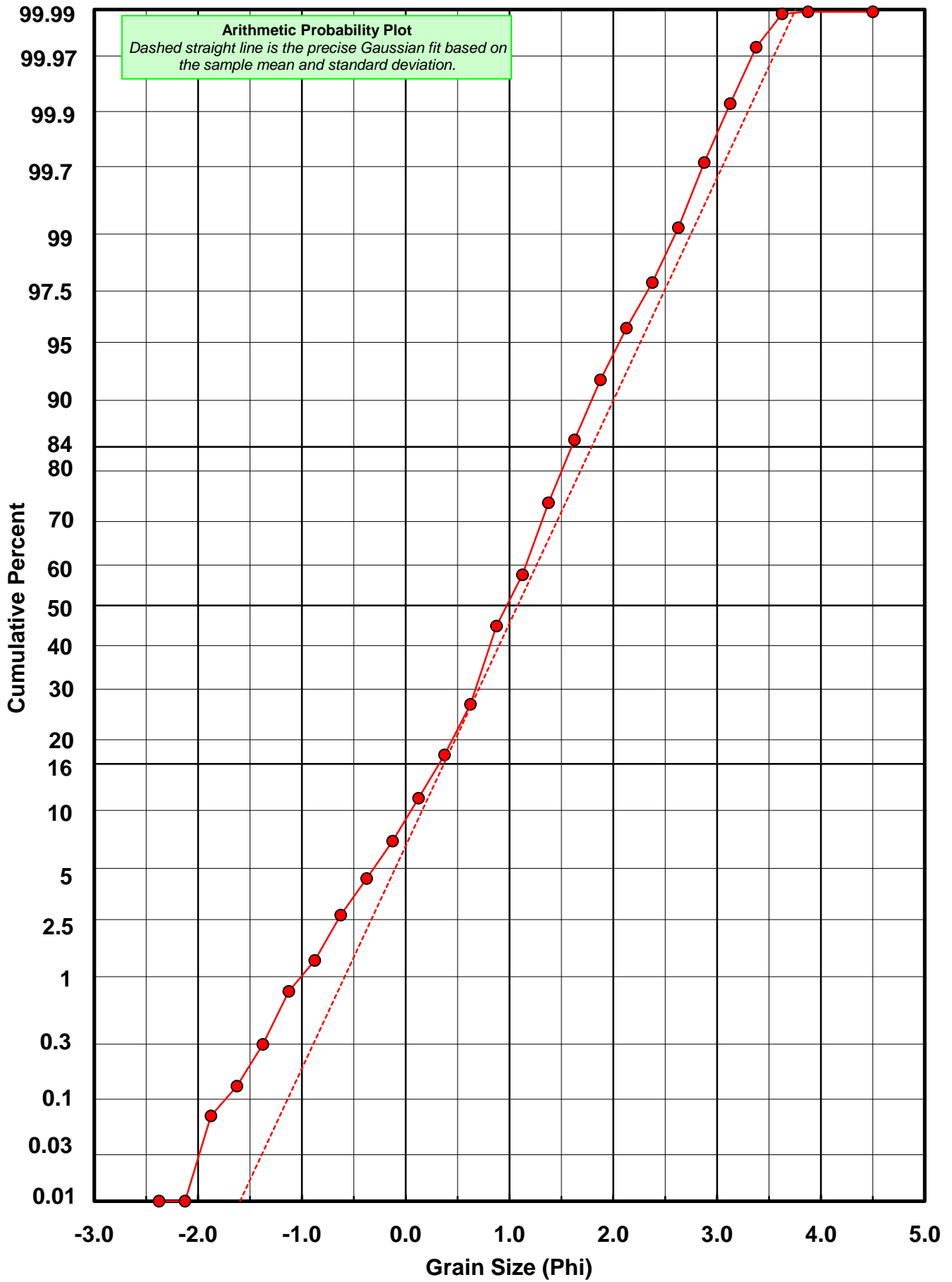
* RARD = reciprocal absolute relative dispersion (see below)

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)



BV-26-BB



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: BV-26-BB

Total Carbonate Mass: 17.435 grams

% Carbonate: 26.9 %

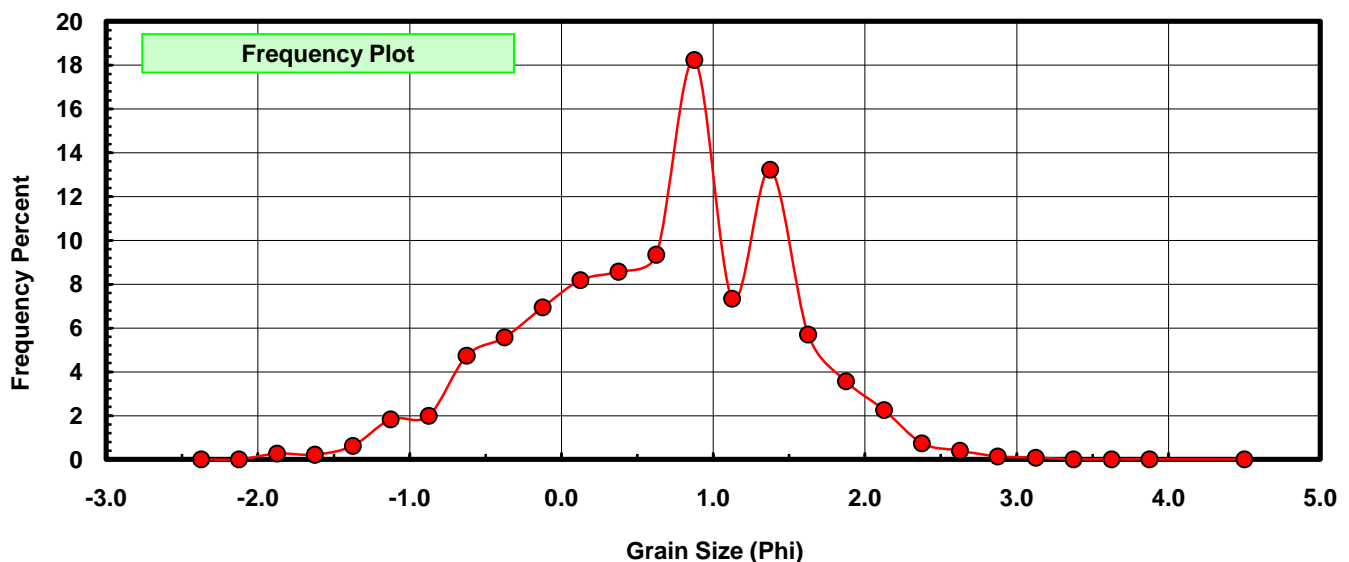
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.046	0.264	0.264
-1.50	-1.625	0.038	0.218	0.482
-1.25	-1.375	0.108	0.619	1.101
-1.00	-1.125	0.320	1.835	2.937
-0.75	-0.875	0.348	1.996	4.933
-0.50	-0.625	0.826	4.738	9.670
-0.25	-0.375	0.971	5.569	15.239
0.00	-0.125	1.210	6.940	22.180
0.25	0.125	1.427	8.185	30.364
0.50	0.375	1.495	8.575	38.939
0.75	0.625	1.630	9.349	48.288
1.00	0.875	3.180	18.239	66.527
1.25	1.125	1.280	7.342	73.869
1.50	1.375	2.306	13.226	87.095
1.75	1.625	0.995	5.707	92.802
2.00	1.875	0.622	3.568	96.369
2.25	2.125	0.394	2.260	98.629
2.50	2.375	0.129	0.740	99.369
2.75	2.625	0.069	0.396	99.765
3.00	2.875	0.024	0.138	99.902
3.25	3.125	0.015	0.086	99.989
3.50	3.375	0.000	0.000	99.989
3.75	3.625	0.002	0.011	100.000
4.00	3.875	0.000	0.000	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	0.6532	phi	(0.6358 mm)
Standard Dev:	0.8411	phi-units	(0.5582 mm)
Skewness:	-0.2720	dimensionless	
Kurtosis:	2.6721	dimensionless	
5th Moment:	-1.5624	dimensionless	
6th Moment:	11.4794	dimensionless	
RARD *	1.2876	dimensionless	
Median	0.6485	phi	(0.638 mm)

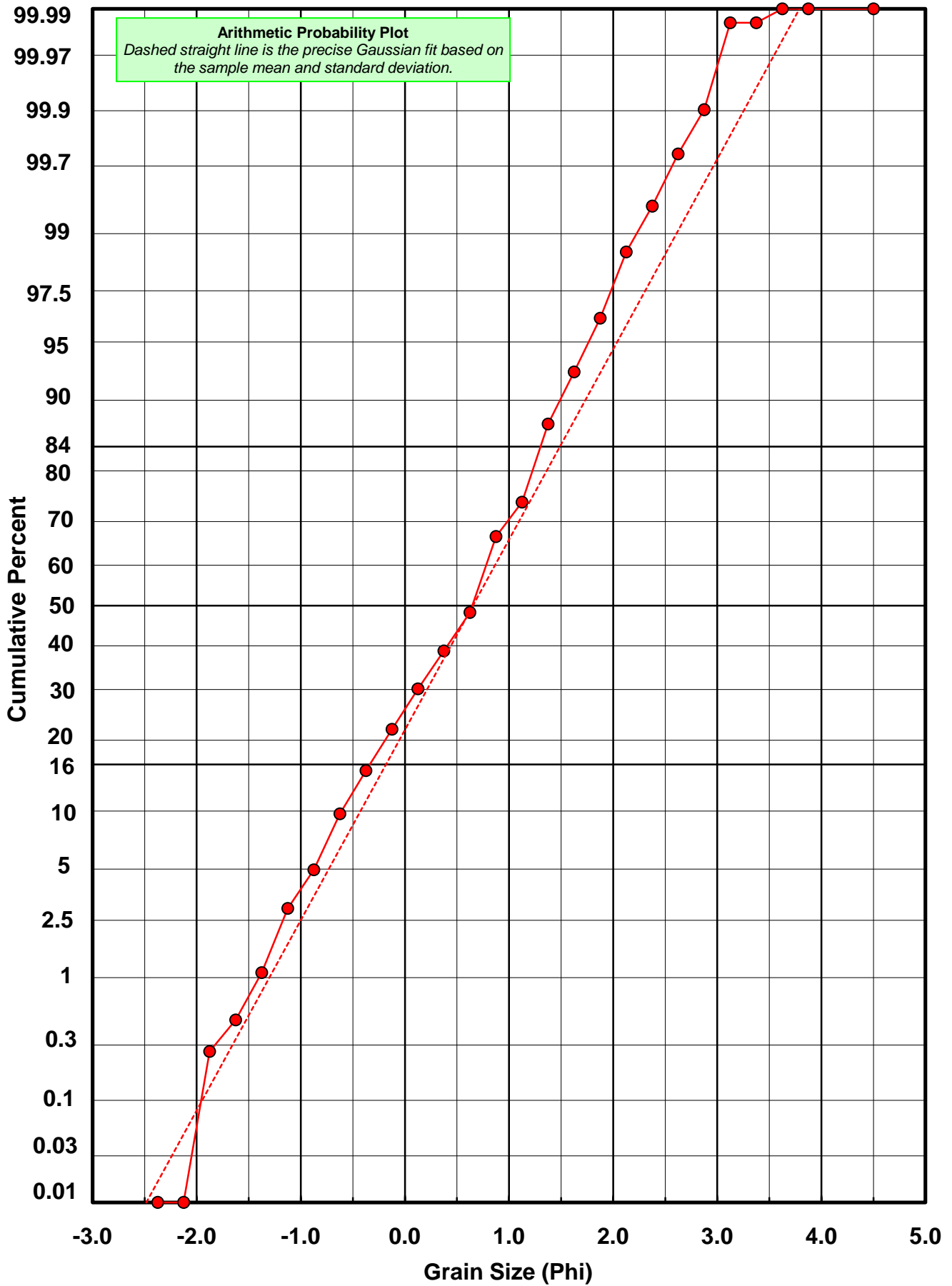
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Statistical Explanation	
Calculations based on the Method of Moments	
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0	
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0	
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Millimeter data calculated by $mm = 2^{(-\phi)}$	

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BV-26-BB



Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: BV-26-BB

Total Digested Mass: 47.330 grams

% Silica: 73.1 %

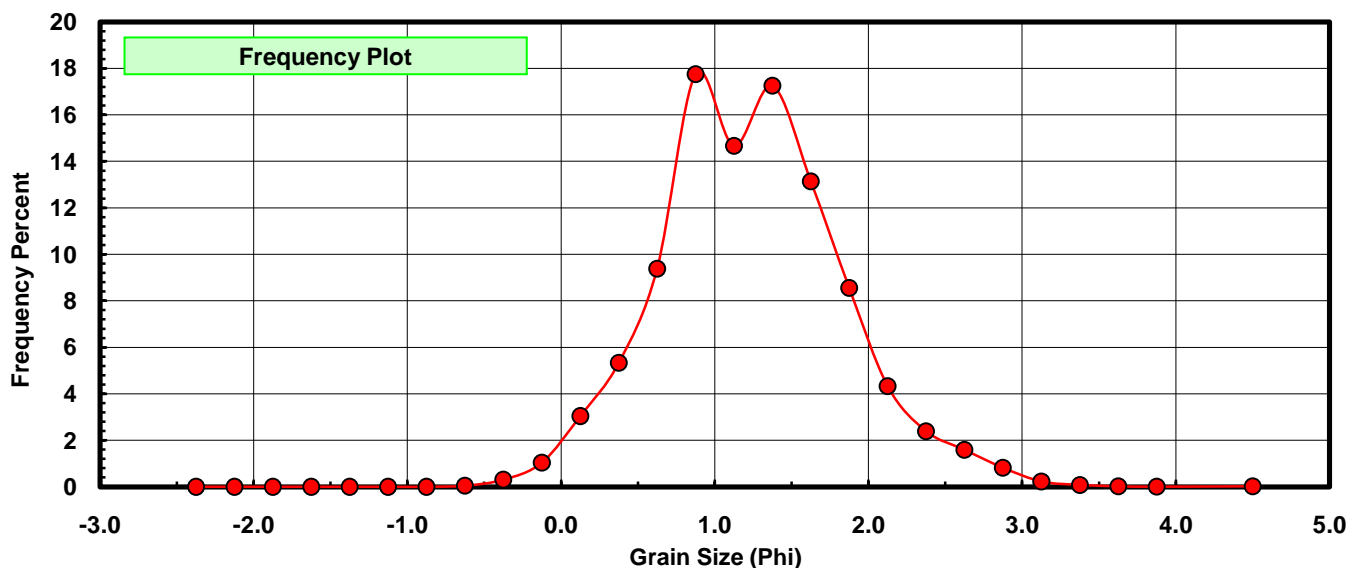
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.022	0.046	0.046
-0.25	-0.375	0.144	0.304	0.351
0.00	-0.125	0.493	1.042	1.392
0.25	0.125	1.440	3.042	4.435
0.50	0.375	2.522	5.329	9.763
0.75	0.625	4.443	9.387	19.151
1.00	0.875	8.402	17.752	36.903
1.25	1.125	6.942	14.667	51.570
1.50	1.375	8.164	17.249	68.819
1.75	1.625	6.219	13.140	81.959
2.00	1.875	4.047	8.551	90.509
2.25	2.125	2.048	4.327	94.836
2.50	2.375	1.133	2.394	97.230
2.75	2.625	0.753	1.591	98.821
3.00	2.875	0.389	0.822	99.643
3.25	3.125	0.108	0.228	99.871
3.50	3.375	0.039	0.082	99.954
3.75	3.625	0.010	0.021	99.975
4.00	3.875	0.002	0.004	99.979
5.00	4.500	0.010	0.021	100.000

Statistical Results			
Mean:	1.2371	phi	(0.4242 mm)
Standard Dev:	0.6045	phi-units	(0.6577 mm)
Skewness:	0.2809	dimensionless	
Kurtosis:	3.3340	dimensionless	
5th Moment:	3.4361	dimensionless	
6th Moment:	22.3310	dimensionless	
RARD *	0.4886	dimensionless	
Median	1.0982	phi	(0.4671 mm)

* RARD = reciprocal absolute relative dispersion (see below)

Statistical Explanation	
Calculations based on the Method of Moments	
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Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0	
For Further Explanation, See Basille et al. 2002	
Millimeter data calculated by $mm = 2^{(-phi)}$	

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