

Onshore Grab Sample

Sample: BW-21-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/28/09
Splits? N/A

County: Broward
Latitude: 26° 02' 44.2"
Longitude: 80° 06' 46.9"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 56.284 grams
Total Fines in Sample 0.276 grams
Total Percent Fines 0.49 %

Dry Sieving Summary

Total Sample Weight 56.060 grams
Total Digested Weight 14.633 grams
Total Carbonate Weight 41.427 grams
Total Silica % 26.10 %
Total Carbonate % 73.90 %
Carbonate/Silica Ratio 2.831

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: BW-21-BB

Total Sample Mass: 56.060 grams

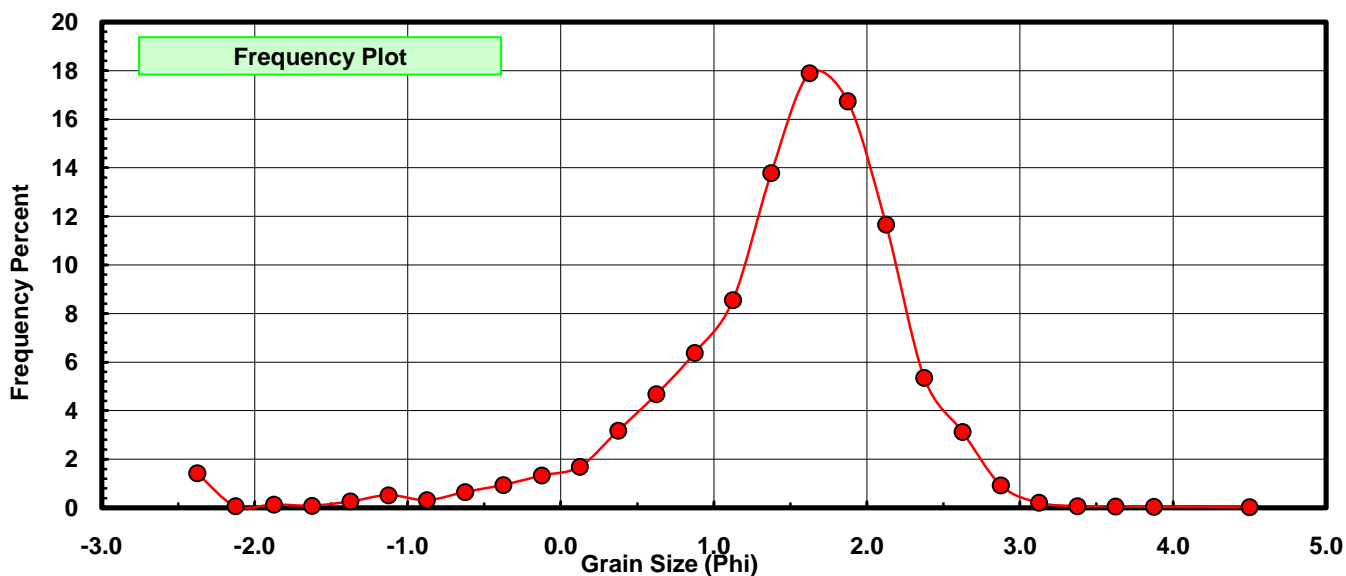
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.794	1.416	1.416
-2.00	-2.125	0.035	0.062	1.479
-1.75	-1.875	0.073	0.130	1.609
-1.50	-1.625	0.047	0.084	1.693
-1.25	-1.375	0.144	0.257	1.950
-1.00	-1.125	0.290	0.517	2.467
-0.75	-0.875	0.174	0.310	2.777
-0.50	-0.625	0.363	0.648	3.425
-0.25	-0.375	0.526	0.938	4.363
0.00	-0.125	0.743	1.325	5.689
0.25	0.125	0.947	1.689	7.378
0.50	0.375	1.781	3.177	10.555
0.75	0.625	2.619	4.672	15.227
1.00	0.875	3.575	6.377	21.604
1.25	1.125	4.795	8.553	30.157
1.50	1.375	7.729	13.787	43.944
1.75	1.625	10.030	17.892	61.836
2.00	1.875	9.384	16.739	78.575
2.25	2.125	6.539	11.664	90.239
2.50	2.375	2.995	5.342	95.582
2.75	2.625	1.748	3.118	98.700
3.00	2.875	0.517	0.922	99.622
3.25	3.125	0.115	0.205	99.827
3.50	3.375	0.036	0.064	99.891
3.75	3.625	0.030	0.054	99.945
4.00	3.875	0.019	0.034	99.979
5.00	4.50	0.012	0.021	100.000

Statistical Results			
Mean:	1.4253	phi	(0.3724 mm)
Standard Dev:	0.8683	phi-units	(0.5478 mm)
Skewness:	-1.7270	dimensionless	
Kurtosis:	7.8805	dimensionless	
5th Moment:	-28.4588	dimensionless	
6th Moment:	121.4832	dimensionless	
RARD *	0.6092	dimensionless	
Median	1.4596	phi	(0.3636 mm)

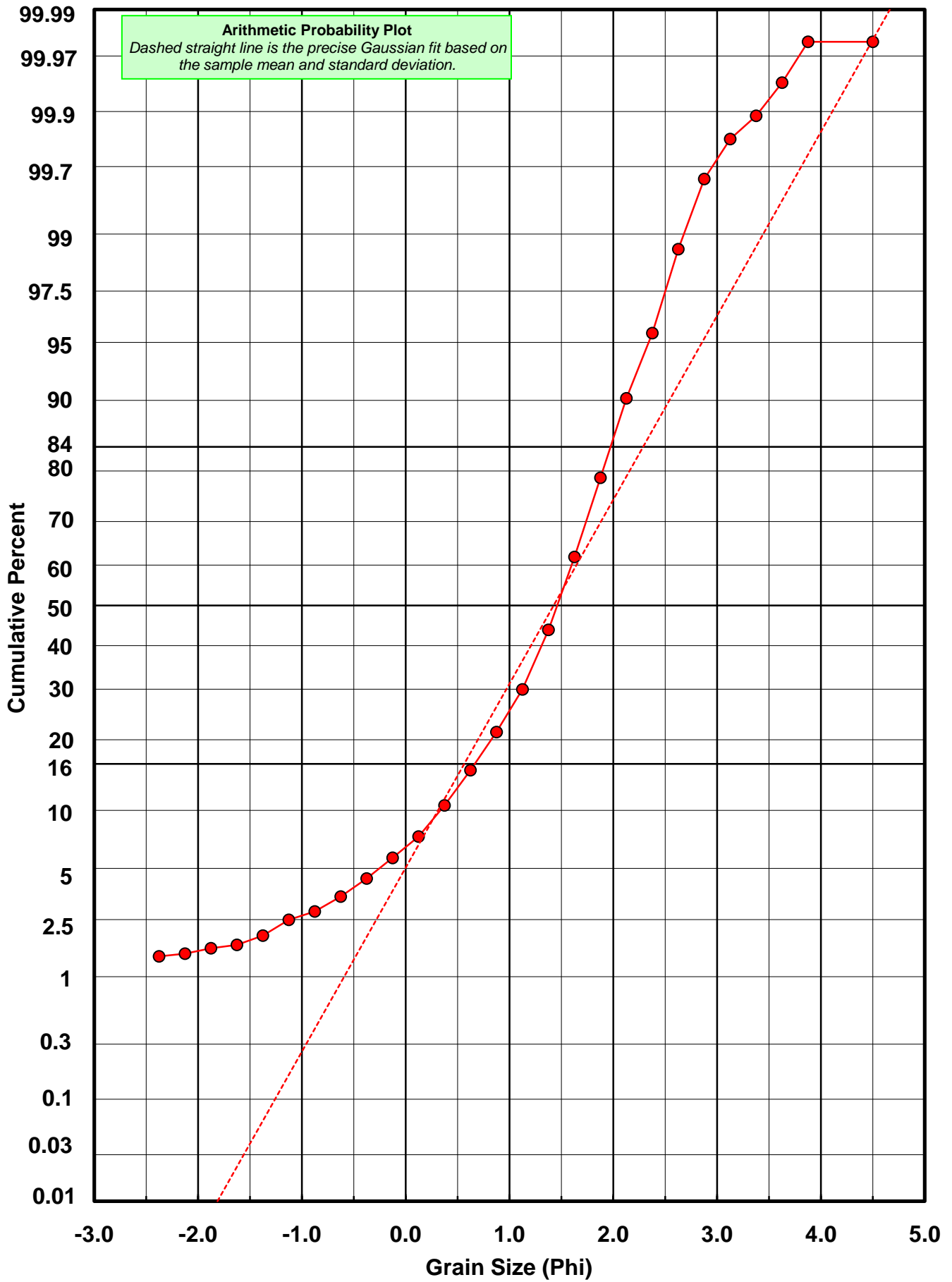
* RARD = reciprocal absolute relative dispersion (see below)

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)



BW-21-BB



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: BW-21-BB

Total Carbonate Mass: 41.427 grams

% Carbonate: 73.9 %

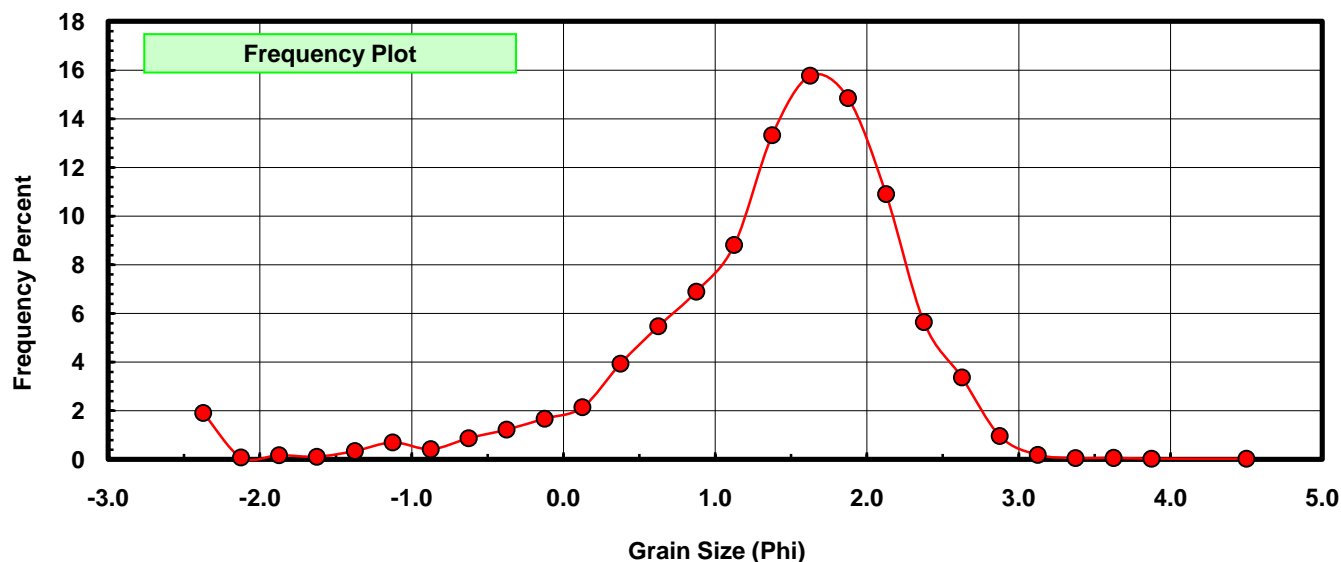
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.794	1.917	1.917
-2.00	-2.125	0.035	0.084	2.001
-1.75	-1.875	0.073	0.176	2.177
-1.50	-1.625	0.047	0.113	2.291
-1.25	-1.375	0.144	0.348	2.638
-1.00	-1.125	0.290	0.700	3.338
-0.75	-0.875	0.174	0.420	3.758
-0.50	-0.625	0.363	0.876	4.635
-0.25	-0.375	0.508	1.226	5.861
0.00	-0.125	0.696	1.680	7.541
0.25	0.125	0.888	2.144	9.685
0.50	0.375	1.631	3.937	13.622
0.75	0.625	2.266	5.470	19.091
1.00	0.875	2.856	6.894	25.985
1.25	1.125	3.650	8.811	34.796
1.50	1.375	5.519	13.322	48.118
1.75	1.625	6.531	15.765	63.883
2.00	1.875	6.151	14.848	78.731
2.25	2.125	4.519	10.908	89.640
2.50	2.375	2.338	5.644	95.283
2.75	2.625	1.395	3.367	98.651
3.00	2.875	0.400	0.966	99.616
3.25	3.125	0.080	0.193	99.809
3.50	3.375	0.026	0.063	99.872
3.75	3.625	0.027	0.065	99.937
4.00	3.875	0.014	0.034	99.971
5.00	4.500	0.012	0.029	100.000

Statistical Results			
Mean:	1.3430	phi	(0.3942 mm)
Standard Dev:	0.9558	phi-units	(0.5156 mm)
Skewness:	-1.5608	dimensionless	
Kurtosis:	6.6068	dimensionless	
5th Moment:	-21.1000	dimensionless	
6th Moment:	81.1194	dimensionless	
RARD *	0.7117	dimensionless	
Median	1.4048	phi	(0.3777 mm)

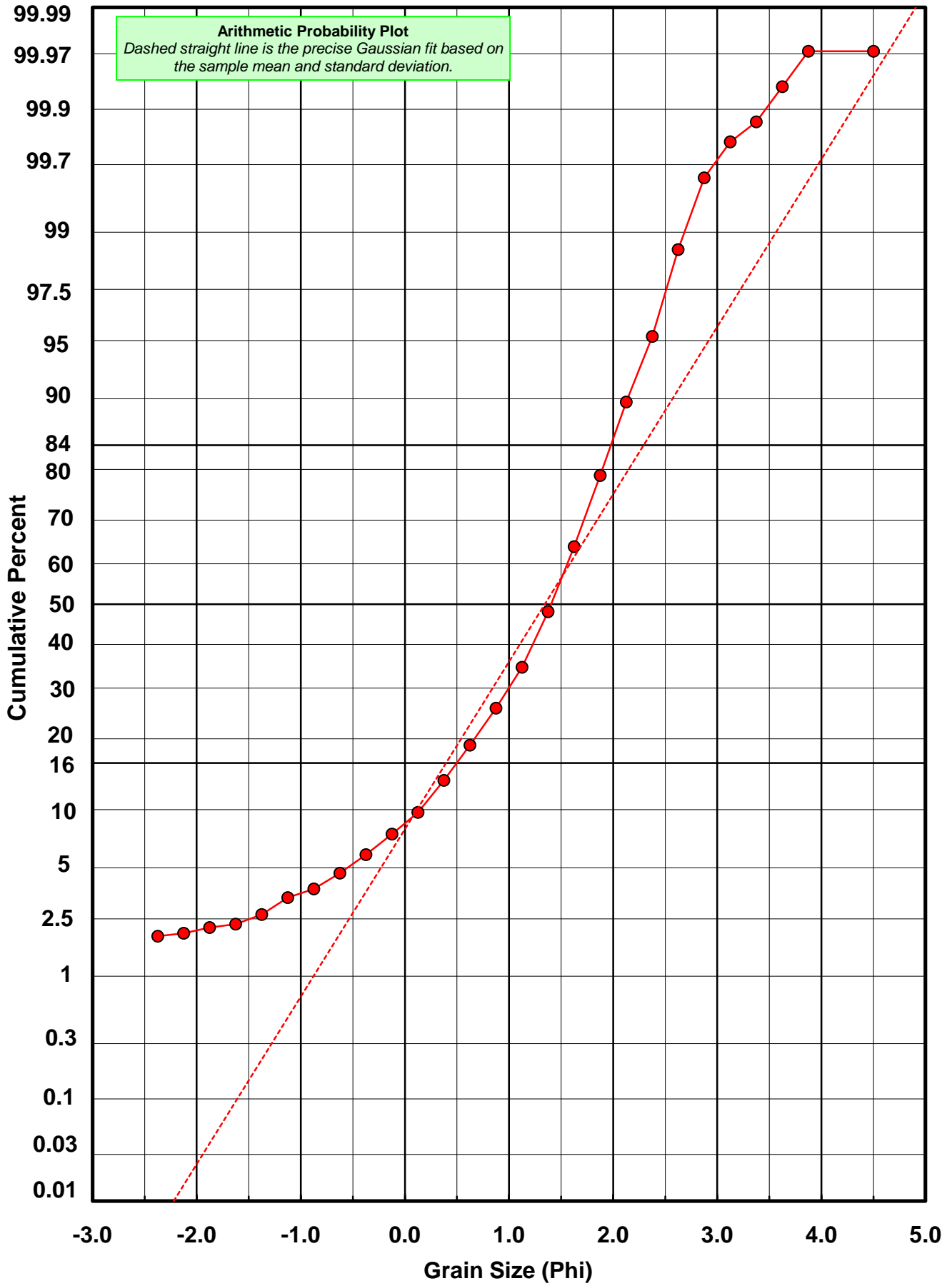
* RARD = reciprocal absolute relative dispersion (see below)

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)



BW-21-BB



Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: BW-21-BB

Total Digested Mass: 14.633 grams

% Silica: 26.1 %

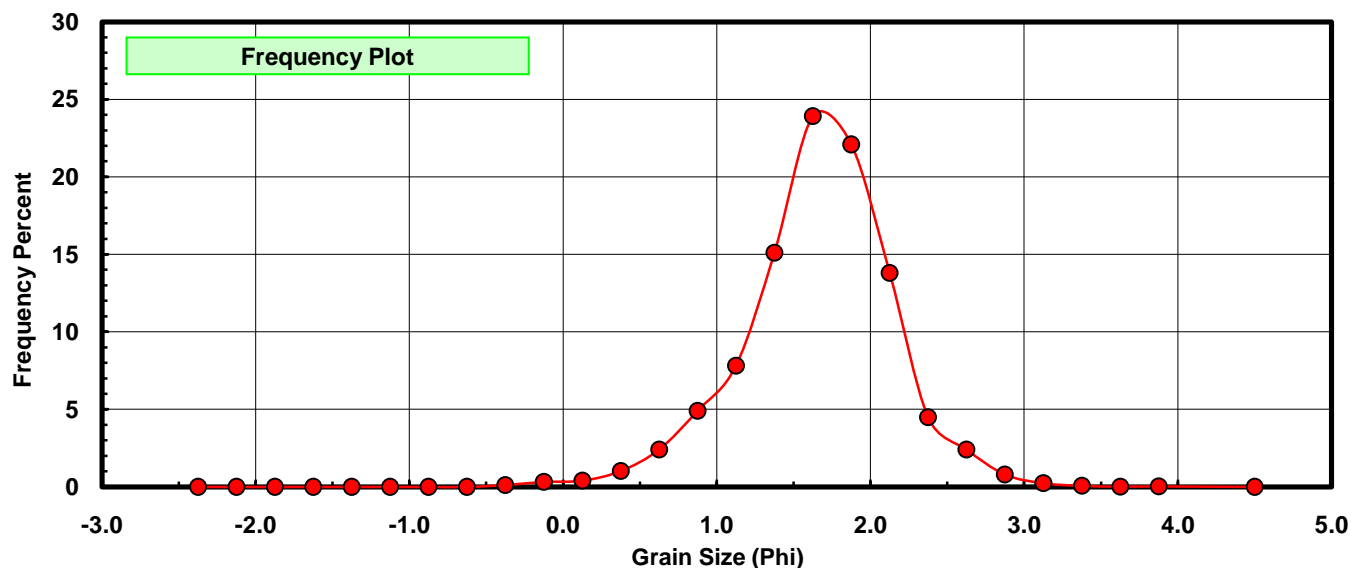
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.018	0.123	0.123
0.00	-0.125	0.047	0.321	0.444
0.25	0.125	0.059	0.403	0.847
0.50	0.375	0.150	1.025	1.872
0.75	0.625	0.353	2.412	4.285
1.00	0.875	0.719	4.914	9.198
1.25	1.125	1.145	7.825	17.023
1.50	1.375	2.210	15.103	32.126
1.75	1.625	3.499	23.912	56.038
2.00	1.875	3.233	22.094	78.132
2.25	2.125	2.020	13.804	91.936
2.50	2.375	0.657	4.490	96.426
2.75	2.625	0.353	2.412	98.838
3.00	2.875	0.117	0.800	99.638
3.25	3.125	0.035	0.239	99.877
3.50	3.375	0.010	0.068	99.945
3.75	3.625	0.003	0.021	99.966
4.00	3.875	0.005	0.034	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	1.6582	phi	(0.3168 mm)
Standard Dev:	0.5073	phi-units	(0.7036 mm)
Skewness:	-0.3696	dimensionless	
Kurtosis:	3.9343	dimensionless	
5th Moment:	-3.6082	dimensionless	
6th Moment:	30.1052	dimensionless	
RARD *	0.3059	dimensionless	
Median	1.5619	phi	(0.3387 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)



BW-21-BB

