

Onshore Grab Sample

Sample: BW-06-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/27/09
Splits? N/A

County: Broward
Latitude: 26° 15' 00.7"
Longitude: 80° 05' 04.6"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 61.406 grams
Total Fines in Sample 0.118 grams
Total Percent Fines 0.19 %

Dry Sieving Summary

Total Sample Weight 61.251 grams
Total Digested Weight 21.940 grams
Total Carbonate Weight 39.311 grams
Total Silica % 35.82 %
Total Carbonate % 64.18 %
Carbonate/Silica Ratio 1.792

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: BW-06-BB

Total Sample Mass: 61.251 grams

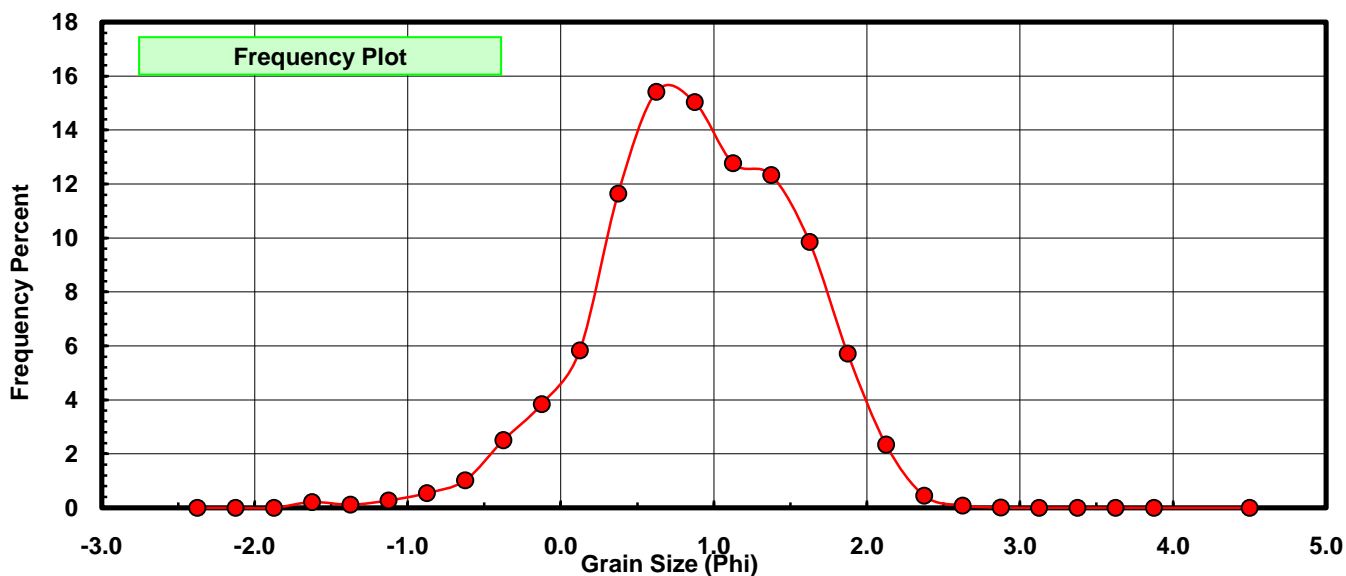
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.131	0.214	0.214
-1.25	-1.375	0.071	0.116	0.330
-1.00	-1.125	0.168	0.274	0.604
-0.75	-0.875	0.333	0.544	1.148
-0.50	-0.625	0.623	1.017	2.165
-0.25	-0.375	1.536	2.508	4.673
0.00	-0.125	2.351	3.838	8.511
0.25	0.125	3.575	5.837	14.348
0.50	0.375	7.133	11.646	25.993
0.75	0.625	9.445	15.420	41.413
1.00	0.875	9.206	15.030	56.443
1.25	1.125	7.819	12.766	69.209
1.50	1.375	7.553	12.331	81.540
1.75	1.625	6.034	9.851	91.391
2.00	1.875	3.499	5.713	97.104
2.25	2.125	1.434	2.341	99.445
2.50	2.375	0.275	0.449	99.894
2.75	2.625	0.053	0.087	99.980
3.00	2.875	0.006	0.010	99.990
3.25	3.125	0.003	0.005	99.995
3.50	3.375	0.001	0.002	99.997
3.75	3.625	0.002	0.003	100.000
4.00	3.875	0.000	0.000	100.000
5.00	4.50	0.000	0.000	100.000

Statistical Results			
Mean:	0.8890	phi	(0.54 mm)
Standard Dev:	0.6537	phi-units	(0.6356 mm)
Skewness:	-0.3450	dimensionless	
Kurtosis:	3.2300	dimensionless	
5th Moment:	-4.1398	dimensionless	
6th Moment:	20.5599	dimensionless	
RARD *	0.7353	dimensionless	
Median	0.7678	phi	(0.5873 mm)

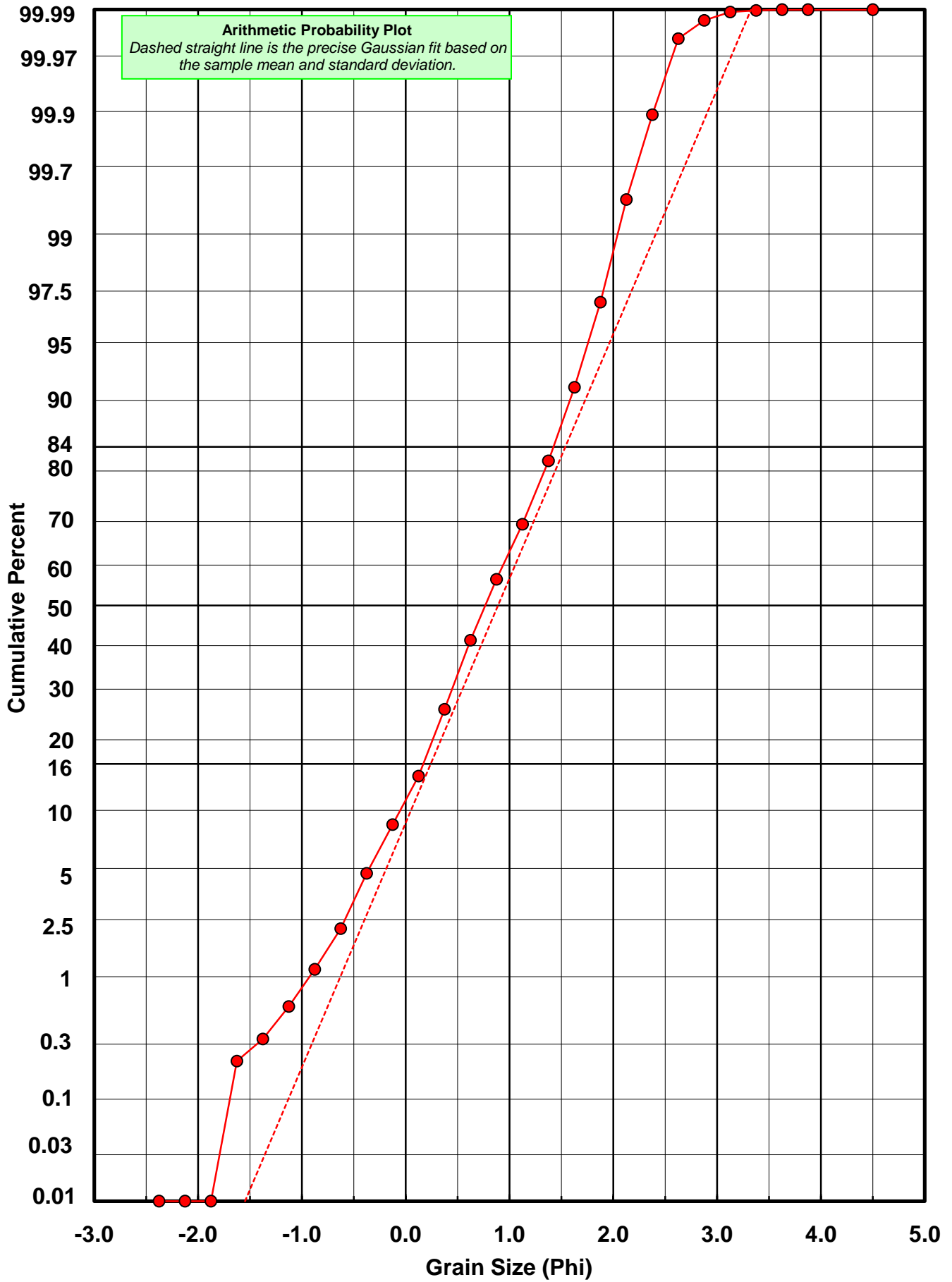
* RARD = reciprocal absolute relative dispersion (see below)

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-06-BB



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: BW-06-BB

Total Carbonate Mass: 39.381 grams

% Carbonate: 64.2 %

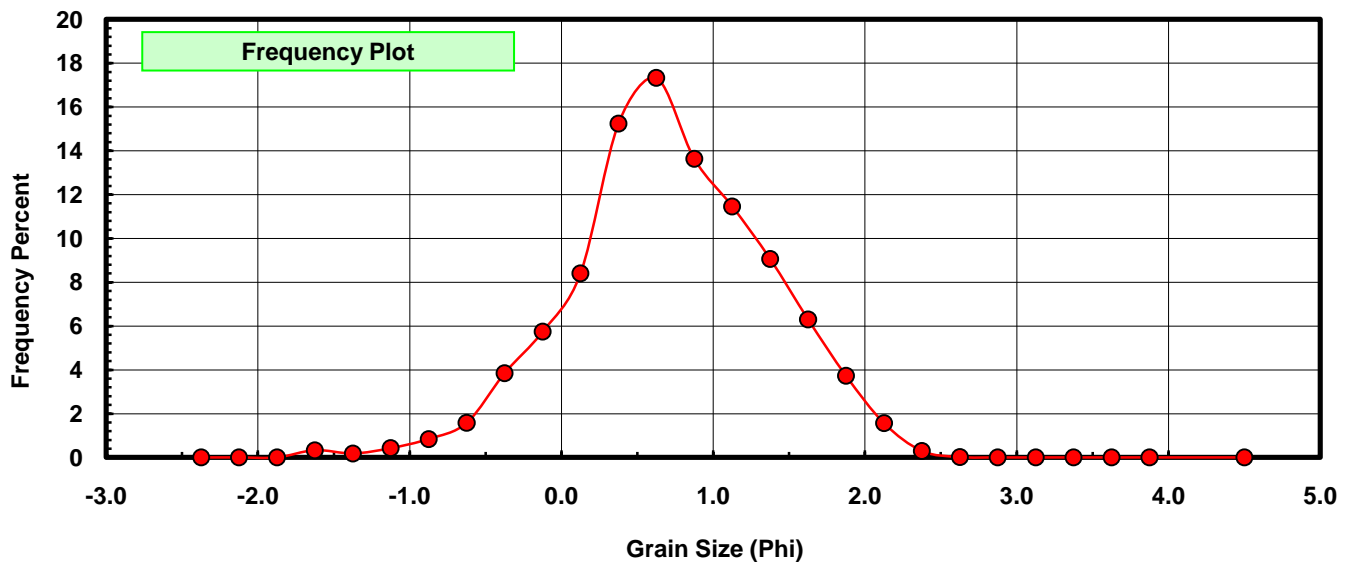
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.131	0.333	0.333
-1.25	-1.375	0.071	0.180	0.513
-1.00	-1.125	0.168	0.427	0.940
-0.75	-0.875	0.333	0.846	1.785
-0.50	-0.625	0.623	1.582	3.367
-0.25	-0.375	1.517	3.852	7.219
0.00	-0.125	2.261	5.741	12.961
0.25	0.125	3.309	8.403	21.363
0.50	0.375	6.004	15.246	36.609
0.75	0.625	6.824	17.328	53.937
1.00	0.875	5.369	13.633	67.571
1.25	1.125	4.515	11.465	79.036
1.50	1.375	3.569	9.063	88.098
1.75	1.625	2.481	6.300	94.398
2.00	1.875	1.467	3.725	98.123
2.25	2.125	0.616	1.564	99.688
2.50	2.375	0.116	0.295	99.982
2.75	2.625	0.007	0.018	100.000
3.00	2.875	0.000	0.000	100.000
3.25	3.125	0.000	0.000	100.000
3.50	3.375	0.000	0.000	100.000
3.75	3.625	0.000	0.000	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:	0.7102	phi	(0.6112 mm)
Standard Dev:	0.6636	phi-units	(0.6313 mm)
Skewness:	-0.2110	dimensionless	
Kurtosis:	3.1726	dimensionless	
5th Moment:	-2.9172	dimensionless	
6th Moment:	17.9629	dimensionless	
RARD *	0.9345	dimensionless	
Median	0.5682	phi	(0.6745 mm)

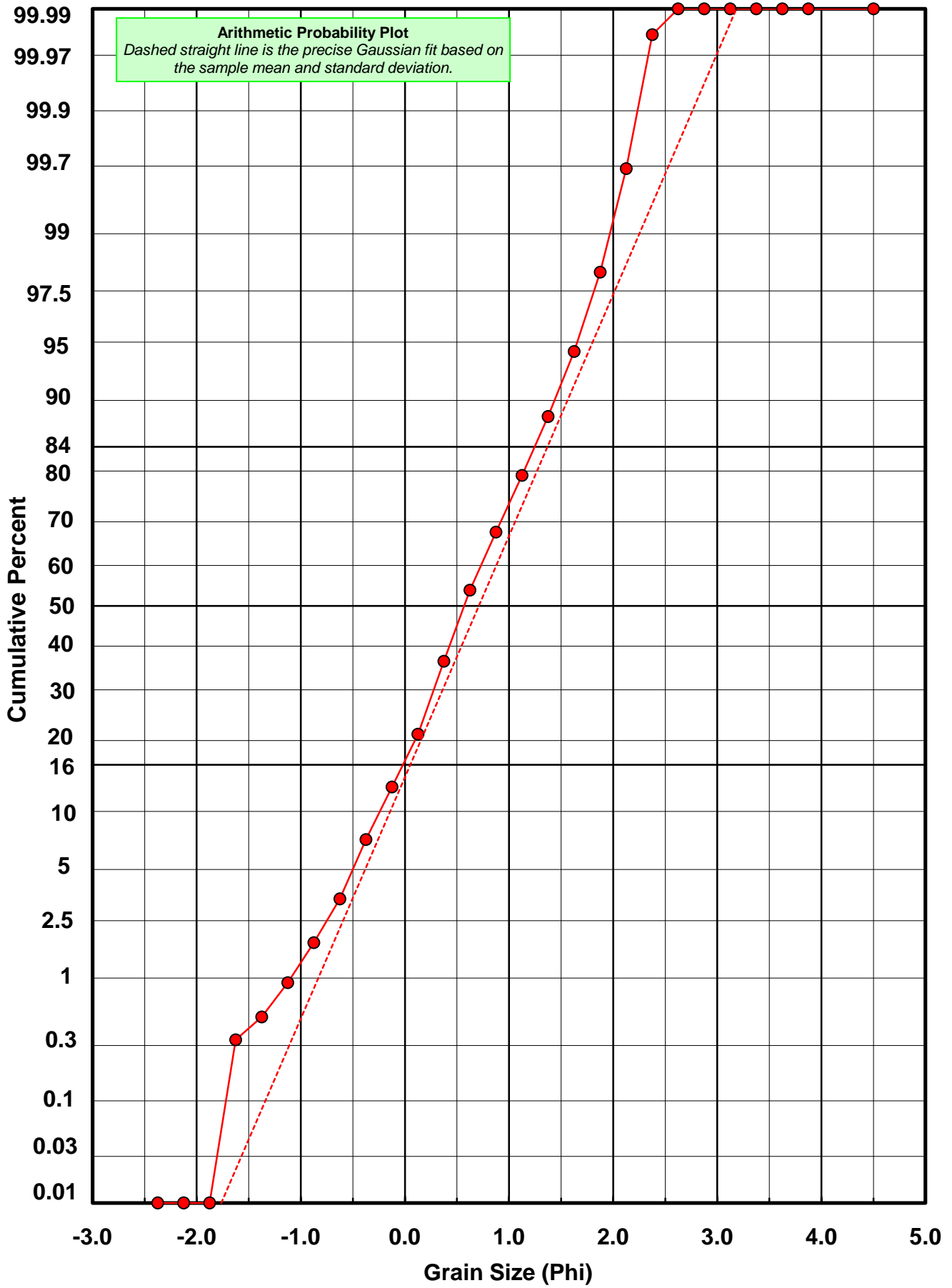
* RARD = reciprocal absolute relative dispersion (see below)

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-06-BB



Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: BW-06-BB

Total Digested Mass: 21.940 grams

% Silica: 35.8 %

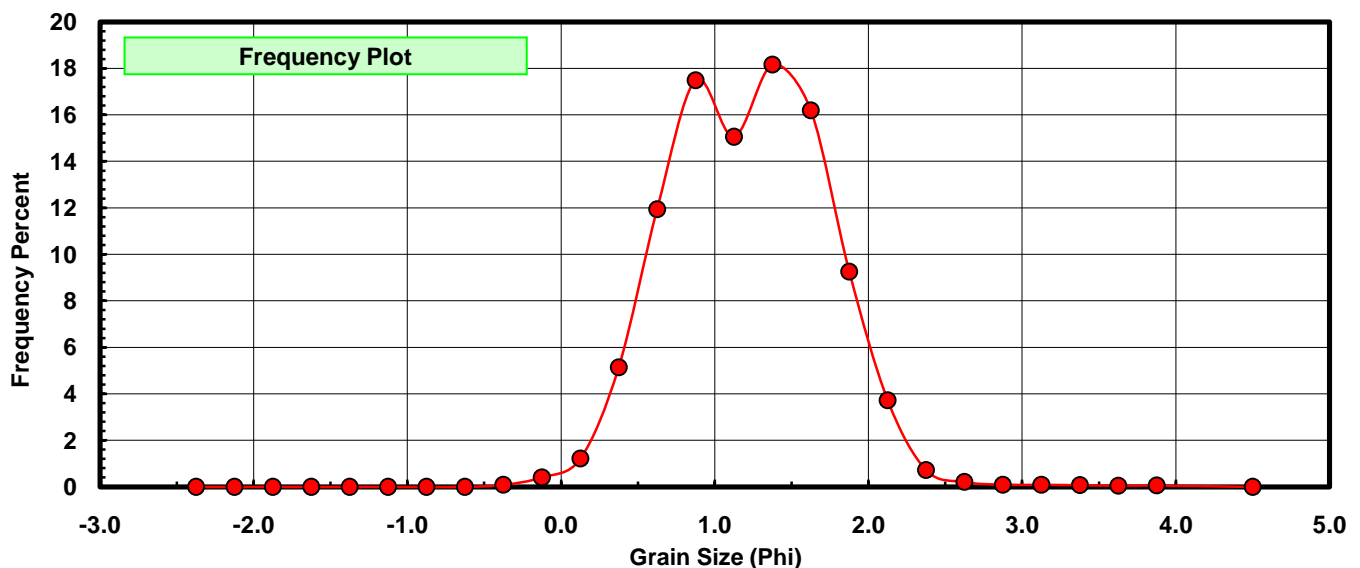
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.019	0.087	0.087
0.00	-0.125	0.090	0.410	0.497
0.25	0.125	0.266	1.212	1.709
0.50	0.375	1.129	5.146	6.855
0.75	0.625	2.621	11.946	18.801
1.00	0.875	3.837	17.489	36.290
1.25	1.125	3.304	15.059	51.349
1.50	1.375	3.984	18.159	69.508
1.75	1.625	3.553	16.194	85.702
2.00	1.875	2.032	9.262	94.964
2.25	2.125	0.818	3.728	98.692
2.50	2.375	0.159	0.725	99.417
2.75	2.625	0.046	0.210	99.626
3.00	2.875	0.021	0.096	99.722
3.25	3.125	0.020	0.091	99.813
3.50	3.375	0.016	0.073	99.886
3.75	3.625	0.012	0.055	99.941
4.00	3.875	0.013	0.059	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	1.2179	phi	(0.4299 mm)
Standard Dev:	0.5189	phi-units	(0.6979 mm)
Skewness:	0.2057	dimensionless	
Kurtosis:	3.3319	dimensionless	
5th Moment:	4.9342	dimensionless	
6th Moment:	32.0562	dimensionless	
RARD *	0.4261	dimensionless	
Median	1.1026	phi	(0.4657 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-06-BB

