

Onshore Grab Sample

Sample: CR-07-BB
Sample Taken By: D. Phelps
Sample Collected On: 11/5/09
Splits? N/A

County: Collier
Latitude: 26° 15' 32.1"
Longitude: 81° 49' 27.1"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	64.231 grams
Total Fines in Sample	0.246 grams
Total Percent Fines	0.38 %

Dry Sieving Summary

Total Sample Weight	63.918 grams
Total Digested Weight	34.468 grams
Total Carbonate Weight	29.450 grams
Total Silica %	53.93 %
Total Carbonate %	46.07 %
Carbonate/Silica Ratio	0.854

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: CR-07-BB

Total Sample Mass: 63.918 grams

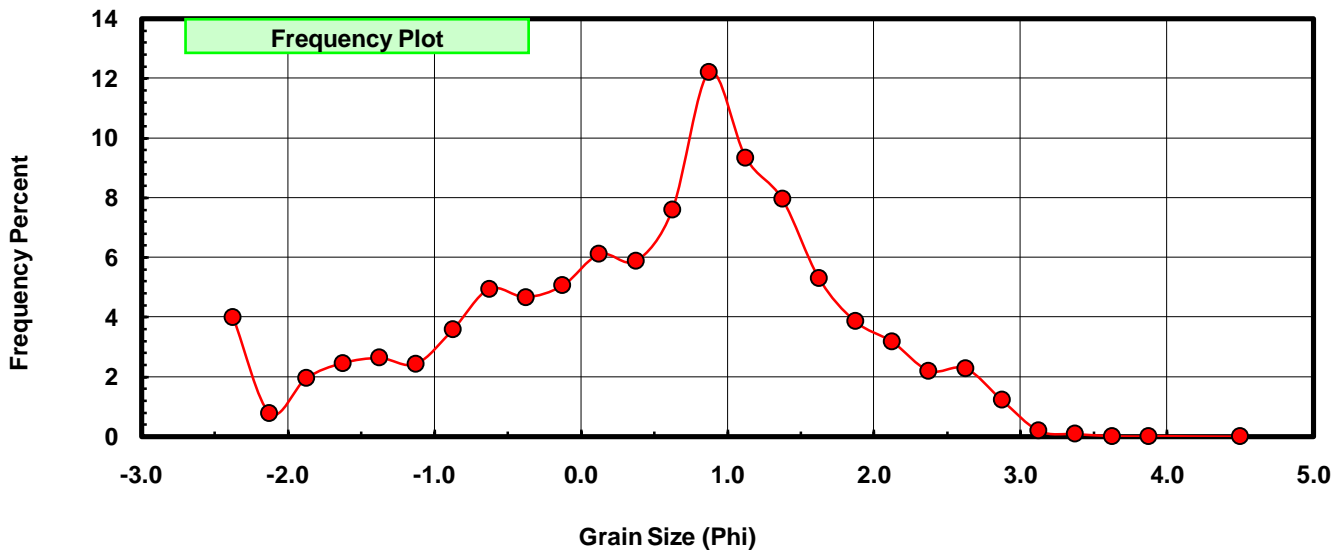
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	2.548	3.986	3.986
-2.00	-2.125	0.503	0.787	4.773
-1.75	-1.875	1.249	1.954	6.727
-1.50	-1.625	1.574	2.463	9.190
-1.25	-1.375	1.686	2.638	11.828
-1.00	-1.125	1.558	2.437	14.265
-0.75	-0.875	2.291	3.584	17.849
-0.50	-0.625	3.163	4.949	22.798
-0.25	-0.375	2.982	4.665	27.463
0.00	-0.125	3.239	5.067	32.531
0.25	0.125	3.907	6.113	38.643
0.50	0.375	3.760	5.883	44.526
0.75	0.625	4.853	7.593	52.118
1.00	0.875	7.806	12.213	64.331
1.25	1.125	5.970	9.340	73.671
1.50	1.375	5.084	7.954	81.625
1.75	1.625	3.391	5.305	86.930
2.00	1.875	2.467	3.860	90.790
2.25	2.125	2.030	3.176	93.966
2.50	2.375	1.408	2.203	96.169
2.75	2.625	1.463	2.289	98.457
3.00	2.875	0.783	1.225	99.682
3.25	3.125	0.124	0.194	99.876
3.50	3.375	0.058	0.091	99.967
3.75	3.625	0.012	0.019	99.986
4.00	3.875	0.006	0.009	99.995
5.00	4.50	0.003	0.005	100.000

Statistical Results			
Mean:	0.4447	phi	(0.7348 mm)
Standard Dev:	1.2624	phi-units	(0.4168 mm)
Skewness:	-0.4158	dimensionless	
Kurtosis:	2.6328	dimensionless	
5th Moment:	-2.2174	dimensionless	
6th Moment:	9.5634	dimensionless	
RARD *	2.8391	dimensionless	
Median	0.5552	phi	(0.6805 mm)

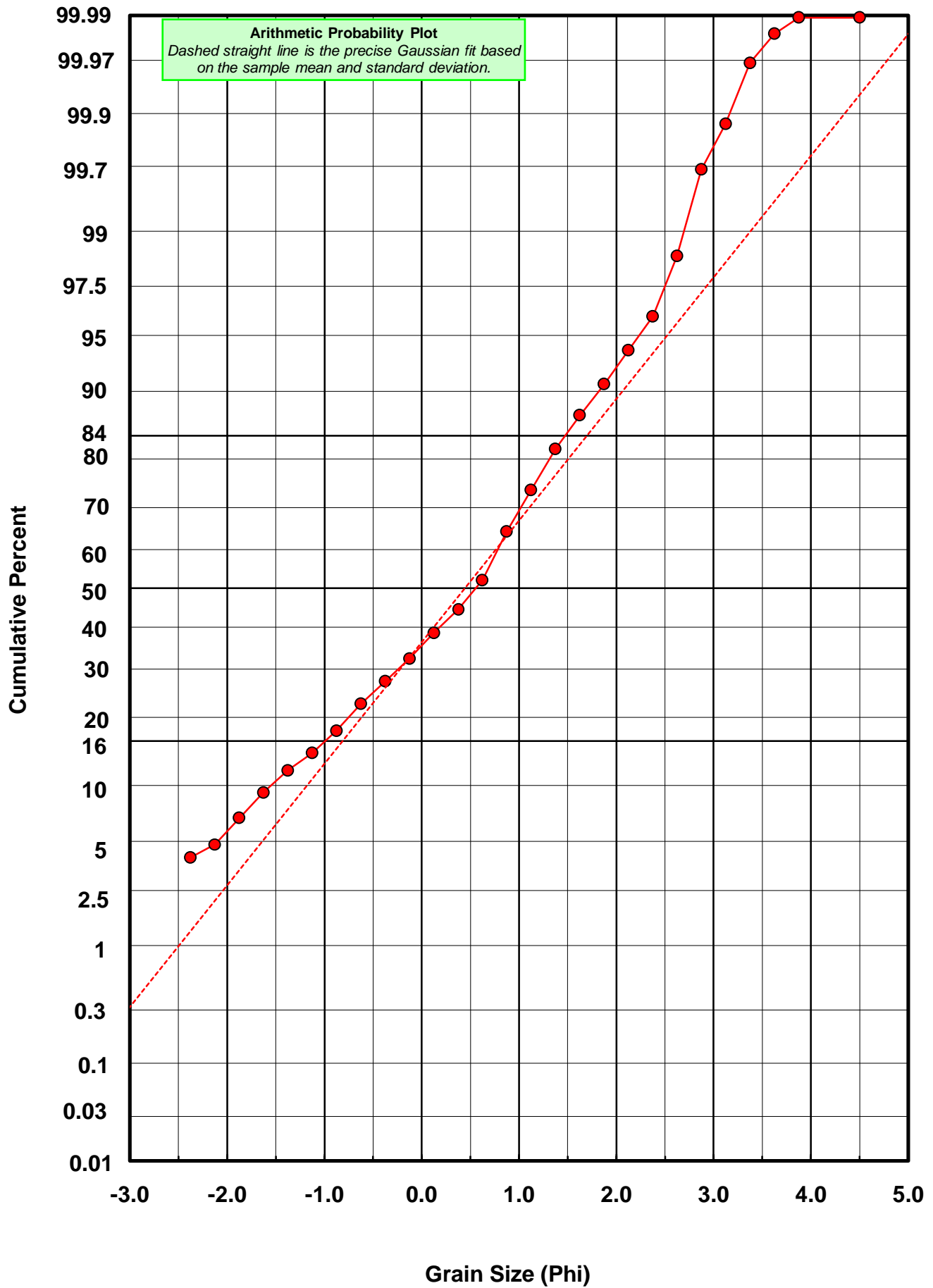
* RARD = reciprocal absolute relative dispersion (see below)

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)



CR-07-BB



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: CR-07-BB

Total Carbonate Mass: 29.722 grams

% Carbonate: 46.1 %

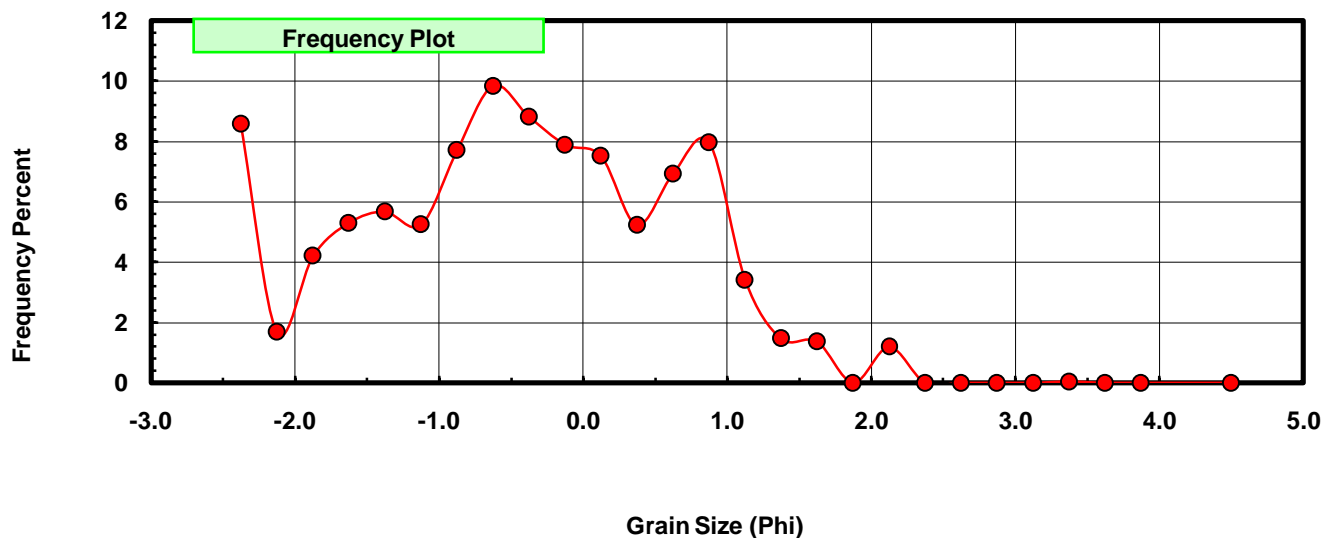
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	2.548	8.573	8.573
-2.00	-2.125	0.503	1.692	10.265
-1.75	-1.875	1.249	4.202	14.467
-1.50	-1.625	1.574	5.296	19.763
-1.25	-1.375	1.686	5.673	25.436
-1.00	-1.125	1.558	5.242	30.678
-0.75	-0.875	2.291	7.708	38.386
-0.50	-0.625	2.924	9.838	48.224
-0.25	-0.375	2.619	8.812	57.035
0.00	-0.125	2.344	7.886	64.922
0.25	0.125	2.232	7.510	72.431
0.50	0.375	1.552	5.222	77.653
0.75	0.625	2.056	6.917	84.570
1.00	0.875	2.364	7.954	92.524
1.25	1.125	1.012	3.405	95.929
1.50	1.375	0.436	1.467	97.396
1.75	1.625	0.407	1.369	98.765
2.00	1.875	0.000	0.000	98.765
2.25	2.125	0.356	1.198	99.963
2.50	2.375	0.000	0.000	99.963
2.75	2.625	0.000	0.000	99.963
3.00	2.875	0.000	0.000	99.963
3.25	3.125	0.000	0.000	99.963
3.50	3.375	0.011	0.037	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:	-0.4640	phi	(1.3794 mm)
Standard Dev:	1.1044	phi-units	(0.4651 mm)
Skewness:	-0.0227	dimensionless	
Kurtosis:	2.2533	dimensionless	
5th Moment:	0.3697	dimensionless	
6th Moment:	7.2259	dimensionless	
RARD *	2.3802	dimensionless	
Median	-0.5746	phi	(1.4893 mm)

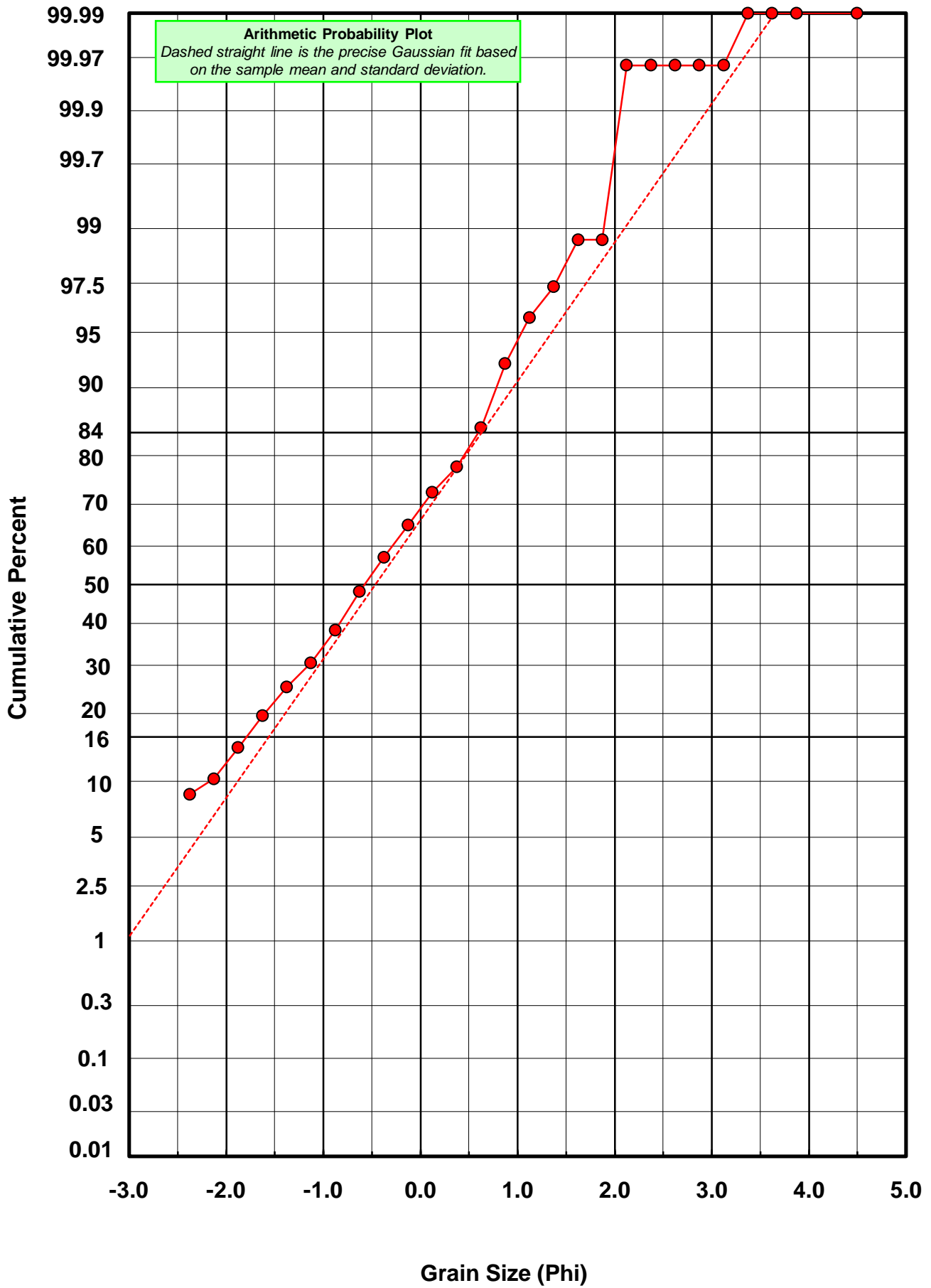
* RARD = reciprocal absolute relative dispersion (see below)

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 $mm = 2^{(-phi)}$	

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CR-07-BB



Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: CR-07-BB

Total Digested Mass: 34.468 grams

% Silica: 53.9 %

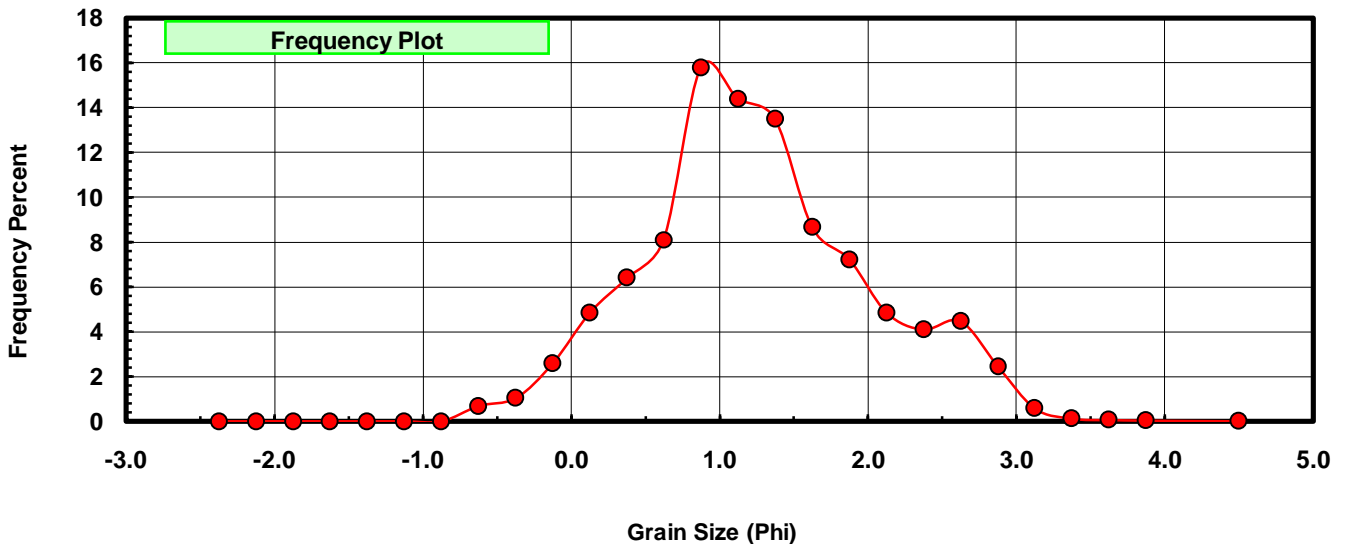
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.239	0.693	0.693
-0.25	-0.375	0.363	1.053	1.747
0.00	-0.125	0.895	2.597	4.343
0.25	0.125	1.675	4.860	9.203
0.50	0.375	2.208	6.406	15.609
0.75	0.625	2.797	8.115	23.723
1.00	0.875	5.442	15.789	39.512
1.25	1.125	4.958	14.384	53.896
1.50	1.375	4.648	13.485	67.381
1.75	1.625	2.984	8.657	76.039
2.00	1.875	2.491	7.227	83.266
2.25	2.125	1.674	4.857	88.122
2.50	2.375	1.413	4.099	92.222
2.75	2.625	1.540	4.468	96.690
3.00	2.875	0.849	2.463	99.153
3.25	3.125	0.201	0.583	99.736
3.50	3.375	0.047	0.136	99.872
3.75	3.625	0.024	0.070	99.942
4.00	3.875	0.014	0.041	99.983
5.00	4.500	0.006	0.017	100.000

Statistical Results			
Mean:	1.2472	phi	(0.4213 mm)
Standard Dev:	0.7757	phi-units	(0.5841 mm)
Skewness:	0.2544	dimensionless	
Kurtosis:	2.7965	dimensionless	
5th Moment:	1.6213	dimensionless	
6th Moment:	11.8983	dimensionless	
RARD *	0.6220	dimensionless	
Median	1.0573	phi	(0.4805 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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> 1.33	Poor homogeneity (e.g., glacial)



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