

Onshore Grab Sample

Sample: CR-37-BB
Sample Taken By: D. Phelps
Sample Collected On: 11/6/09
Splits? N/A

County: Collier
Latitude: 25° 56' 7.6"
Longitude: 81° 44' 6.9"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	52.681 grams
Total Fines in Sample	0.387 grams
Total Percent Fines	0.73 %

Dry Sieving Summary

Total Sample Weight	52.358 grams
Total Digested Weight	35.784 grams
Total Carbonate Weight	16.574 grams
Total Silica %	68.34 %
Total Carbonate %	31.66 %
Carbonate/Silica Ratio	0.463

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: CR-37-BB

Total Sample Mass: 52.358 grams

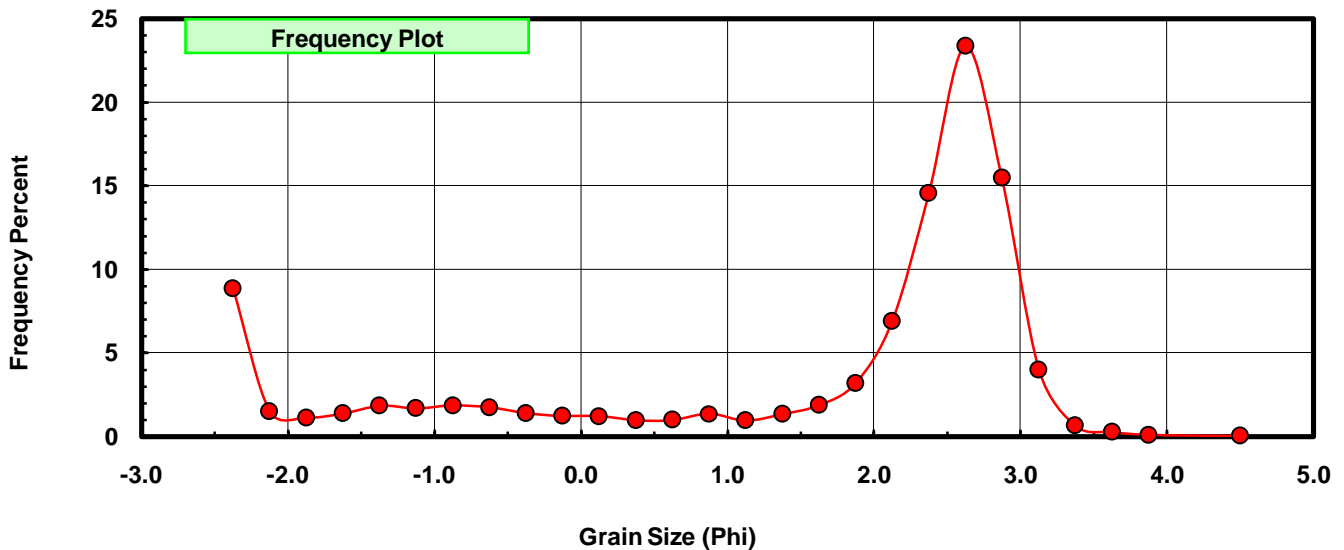
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	4.634	8.851	8.851
-2.00	-2.125	0.794	1.516	10.367
-1.75	-1.875	0.599	1.144	11.511
-1.50	-1.625	0.721	1.377	12.888
-1.25	-1.375	0.966	1.845	14.733
-1.00	-1.125	0.887	1.694	16.427
-0.75	-0.875	0.975	1.862	18.289
-0.50	-0.625	0.915	1.748	20.037
-0.25	-0.375	0.735	1.404	21.441
0.00	-0.125	0.648	1.238	22.678
0.25	0.125	0.636	1.215	23.893
0.50	0.375	0.515	0.984	24.877
0.75	0.625	0.520	0.993	25.870
1.00	0.875	0.720	1.375	27.245
1.25	1.125	0.500	0.955	28.200
1.50	1.375	0.707	1.350	29.550
1.75	1.625	0.986	1.883	31.434
2.00	1.875	1.669	3.188	34.621
2.25	2.125	3.625	6.923	41.545
2.50	2.375	7.618	14.550	56.095
2.75	2.625	12.233	23.364	79.459
3.00	2.875	8.098	15.467	94.925
3.25	3.125	2.094	3.999	98.925
3.50	3.375	0.343	0.655	99.580
3.75	3.625	0.143	0.273	99.853
4.00	3.875	0.052	0.099	99.952
5.00	4.50	0.025	0.048	100.000

Statistical Results			
Mean:	1.4921	phi	(0.3555 mm)
Standard Dev:	1.8231	phi-units	(0.2826 mm)
Skewness:	-1.1609	dimensionless	
Kurtosis:	2.7685	dimensionless	
5th Moment:	-5.1126	dimensionless	
6th Moment:	10.6660	dimensionless	
RARD *	1.2219	dimensionless	
Median	2.2703	phi	(0.2073 mm)

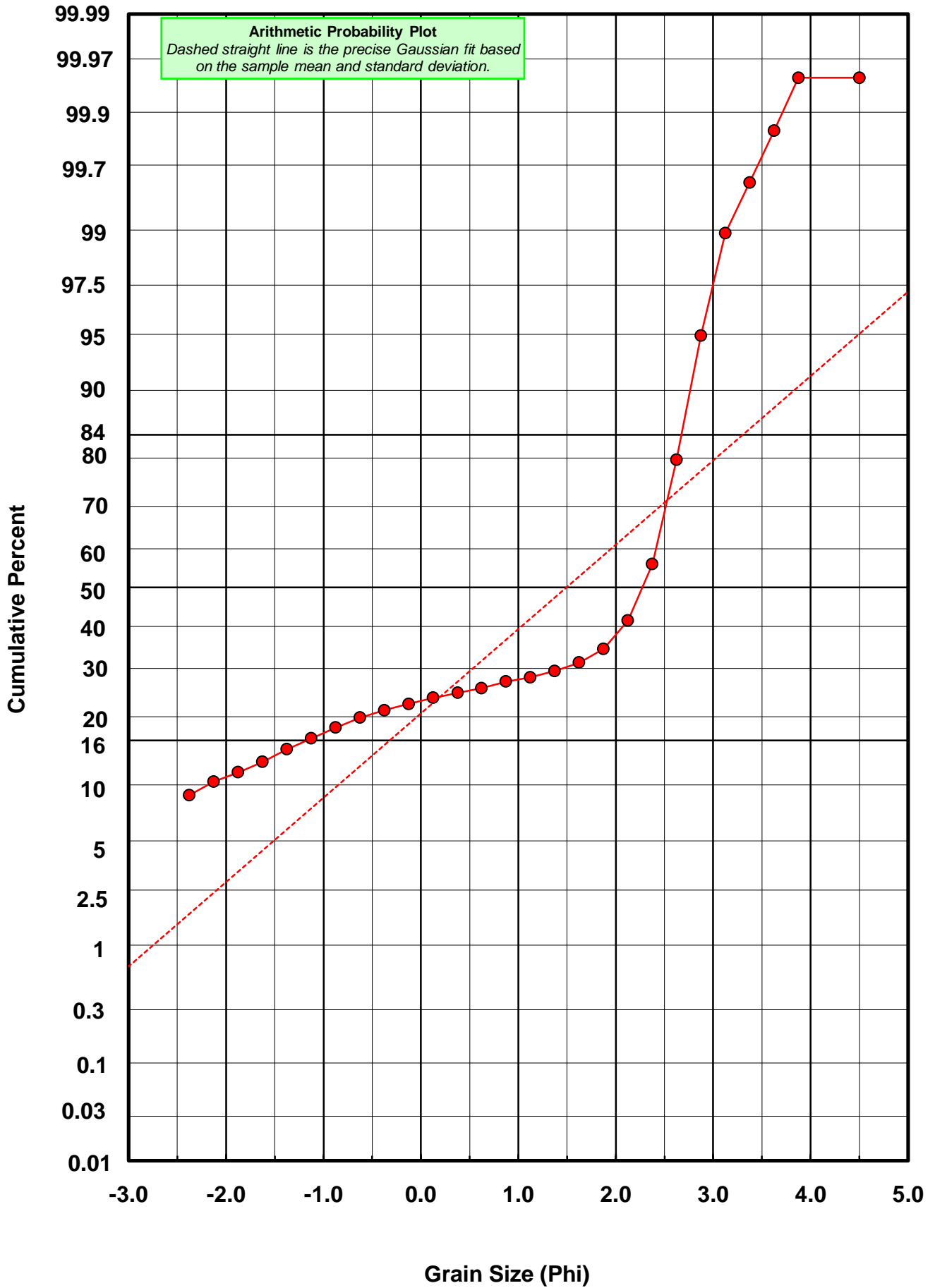
* RARD = reciprocal absolute relative dispersion (see below)

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-37-BB



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: CR-37-BB

Total Carbonate Mass: 18.180 grams

% Carbonate: 31.7 %

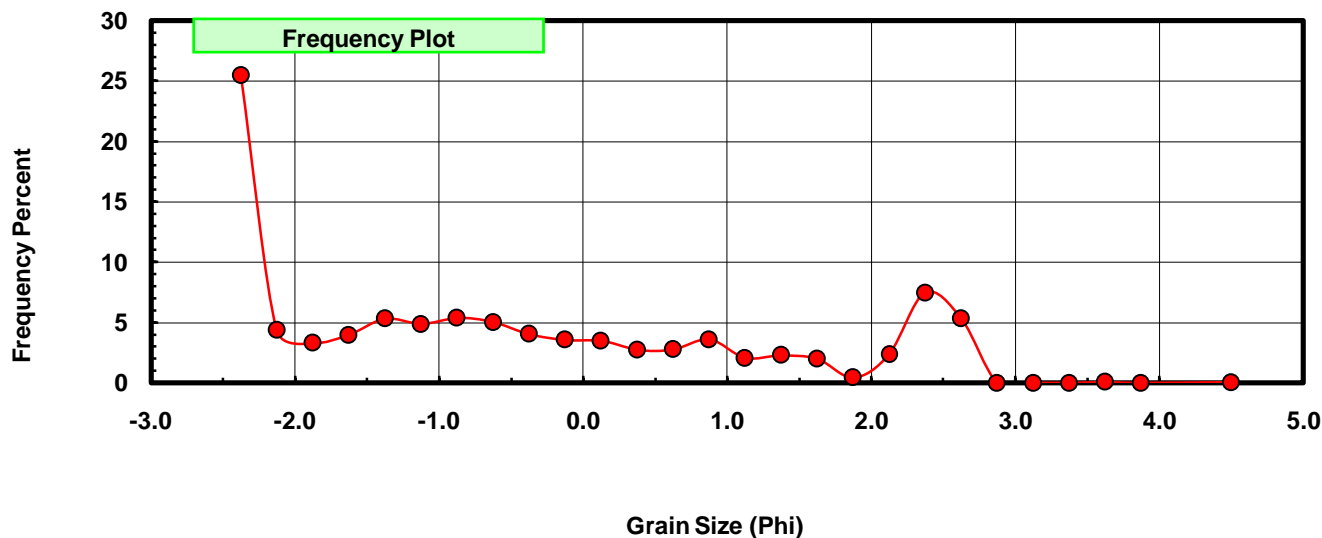
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	4.634	25.490	25.490
-2.00	-2.125	0.794	4.367	29.857
-1.75	-1.875	0.599	3.295	33.152
-1.50	-1.625	0.721	3.966	37.118
-1.25	-1.375	0.966	5.314	42.431
-1.00	-1.125	0.887	4.879	47.310
-0.75	-0.875	0.975	5.363	52.673
-0.50	-0.625	0.915	5.033	57.706
-0.25	-0.375	0.735	4.043	61.749
0.00	-0.125	0.648	3.564	65.314
0.25	0.125	0.636	3.498	68.812
0.50	0.375	0.500	2.750	71.562
0.75	0.625	0.503	2.767	74.329
1.00	0.875	0.654	3.597	77.926
1.25	1.125	0.375	2.063	79.989
1.50	1.375	0.416	2.288	82.277
1.75	1.625	0.364	2.002	84.279
2.00	1.875	0.081	0.446	84.725
2.25	2.125	0.431	2.371	87.096
2.50	2.375	1.358	7.470	94.565
2.75	2.625	0.967	5.319	99.884
3.00	2.875	0.000	0.000	99.884
3.25	3.125	0.000	0.000	99.884
3.50	3.375	0.000	0.000	99.884
3.75	3.625	0.011	0.061	99.945
4.00	3.875	0.000	0.000	99.945
5.00	4.500	0.010	0.055	100.000

Statistical Results			
Mean:	-0.5193	phi	(1.4332 mm)
Standard Dev:	1.7547	phi-units	(0.2963 mm)
Skewness:	0.5287	dimensionless	
Kurtosis:	1.8829	dimensionless	
5th Moment:	2.1042	dimensionless	
6th Moment:	4.7603	dimensionless	
RARD *	3.3793	dimensionless	
Median	-0.9996	phi	(1.9995 mm)

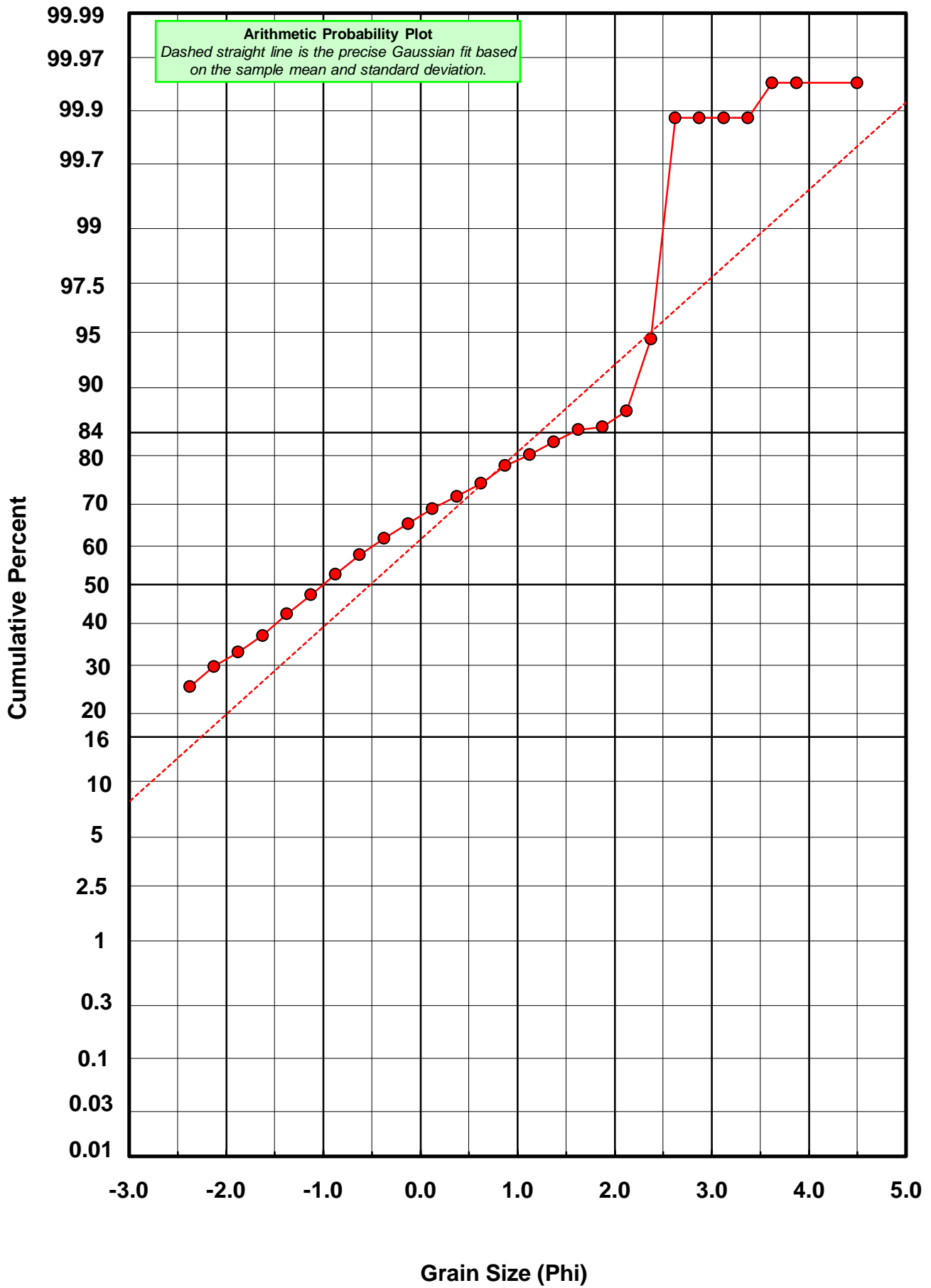
* RARD = reciprocal absolute relative dispersion (see below)

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-37-BB



Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: CR-37-BB

Total Digested Mass: 35.784 grams

% Silica: 68.3 %

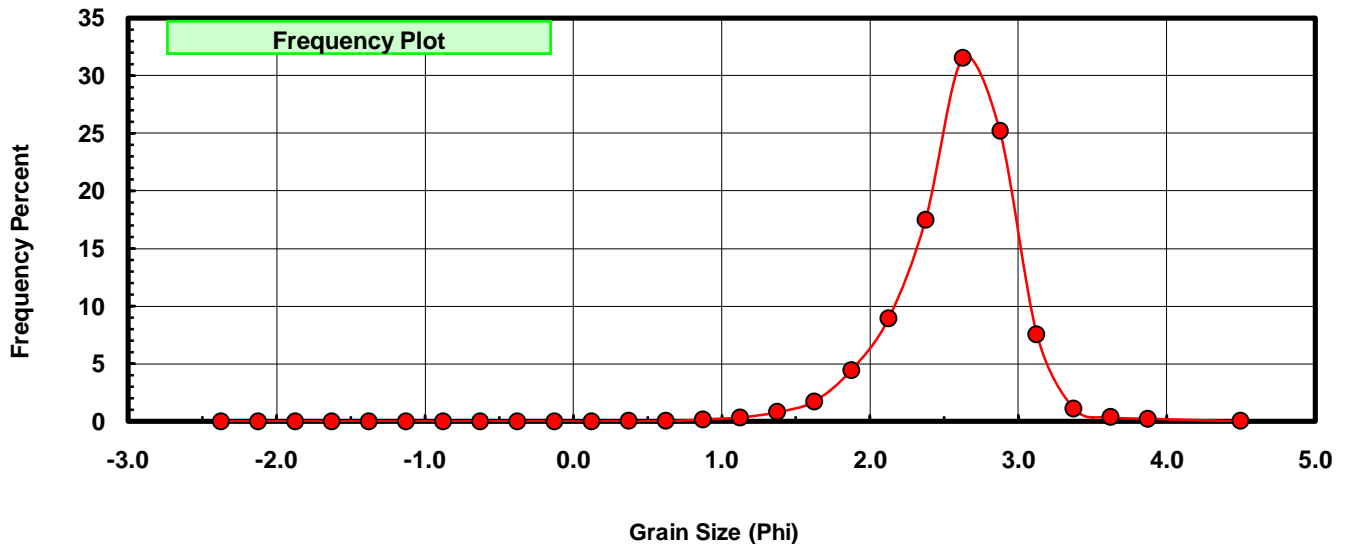
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.000	0.000	0.000
0.50	0.375	0.015	0.042	0.042
0.75	0.625	0.017	0.048	0.089
1.00	0.875	0.066	0.184	0.274
1.25	1.125	0.125	0.349	0.623
1.50	1.375	0.291	0.813	1.436
1.75	1.625	0.622	1.738	3.175
2.00	1.875	1.588	4.438	7.612
2.25	2.125	3.194	8.926	16.538
2.50	2.375	6.260	17.494	34.032
2.75	2.625	11.266	31.483	65.515
3.00	2.875	9.013	25.187	90.703
3.25	3.125	2.700	7.545	98.248
3.50	3.375	0.396	1.107	99.354
3.75	3.625	0.132	0.369	99.723
4.00	3.875	0.084	0.235	99.958
5.00	4.500	0.015	0.042	100.000

Statistical Results			
Mean:	2.5818	phi	(0.167 mm)
Standard Dev:	0.3975	phi-units	(0.7591 mm)
Skewness:	-0.7710	dimensionless	
Kurtosis:	5.1409	dimensionless	
5th Moment:	-10.1669	dimensionless	
6th Moment:	62.6445	dimensionless	
RARD *	0.1540	dimensionless	
Median	2.5018	phi	(0.1766 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-37-BB

