

Onshore Grab Sample

Sample: PI-35-BB
Sample Taken By: D. Phelps
Sample Collected On: 12/1/09
Splits? N/A

County: Pinellas
Latitude: 27° 45' 32.4"
Longitude: 82° 45' 58.9"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 57.897 grams
Total Fines in Sample 0.426 grams
Total Percent Fines 0.73 %

Dry Sieving Summary

Total Sample Weight 57.506 grams
Total Digested Weight 33.564 grams
Total Carbonate Weight 23.942 grams
Total Silica % 58.37 %
Total Carbonate % 41.63 %
Carbonate/Silica Ratio 0.713

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: PI-35-BB

Total Sample Mass: 57.506 grams

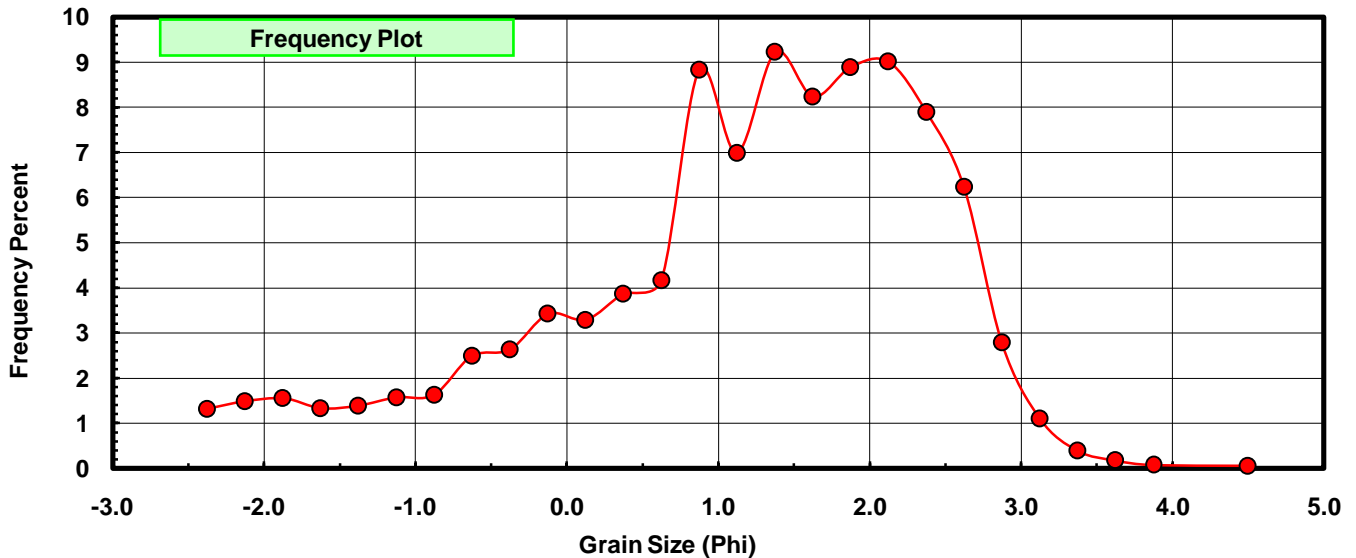
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.755	1.313	1.313
-2.00	-2.125	0.853	1.483	2.796
-1.75	-1.875	0.894	1.555	4.351
-1.50	-1.625	0.764	1.329	5.679
-1.25	-1.375	0.799	1.389	7.069
-1.00	-1.125	0.903	1.570	8.639
-0.75	-0.875	0.935	1.626	10.265
-0.50	-0.625	1.432	2.490	12.755
-0.25	-0.375	1.516	2.636	15.391
0.00	-0.125	1.967	3.421	18.812
0.25	0.125	1.891	3.288	22.100
0.50	0.375	2.225	3.869	25.969
0.75	0.625	2.395	4.165	30.134
1.00	0.875	5.074	8.823	38.958
1.25	1.125	4.020	6.991	45.948
1.50	1.375	5.302	9.220	55.168
1.75	1.625	4.737	8.237	63.406
2.00	1.875	5.112	8.890	72.295
2.25	2.125	5.183	9.013	81.308
2.50	2.375	4.543	7.900	89.208
2.75	2.625	3.581	6.227	95.435
3.00	2.875	1.599	2.781	98.216
3.25	3.125	0.631	1.097	99.313
3.50	3.375	0.224	0.390	99.703
3.75	3.625	0.099	0.172	99.875
4.00	3.875	0.042	0.073	99.948
5.00	4.50	0.030	0.052	100.000

Statistical Results			
Mean:	1.1151	phi	(0.4617 mm)
Standard Dev:	1.2958	phi-units	(0.4073 mm)
Skewness:	-0.8153	dimensionless	
Kurtosis:	3.1128	dimensionless	
5th Moment:	-5.2599	dimensionless	
6th Moment:	15.0174	dimensionless	
RARD *	1.1621	dimensionless	
Median	1.2349	phi	(0.4249 mm)

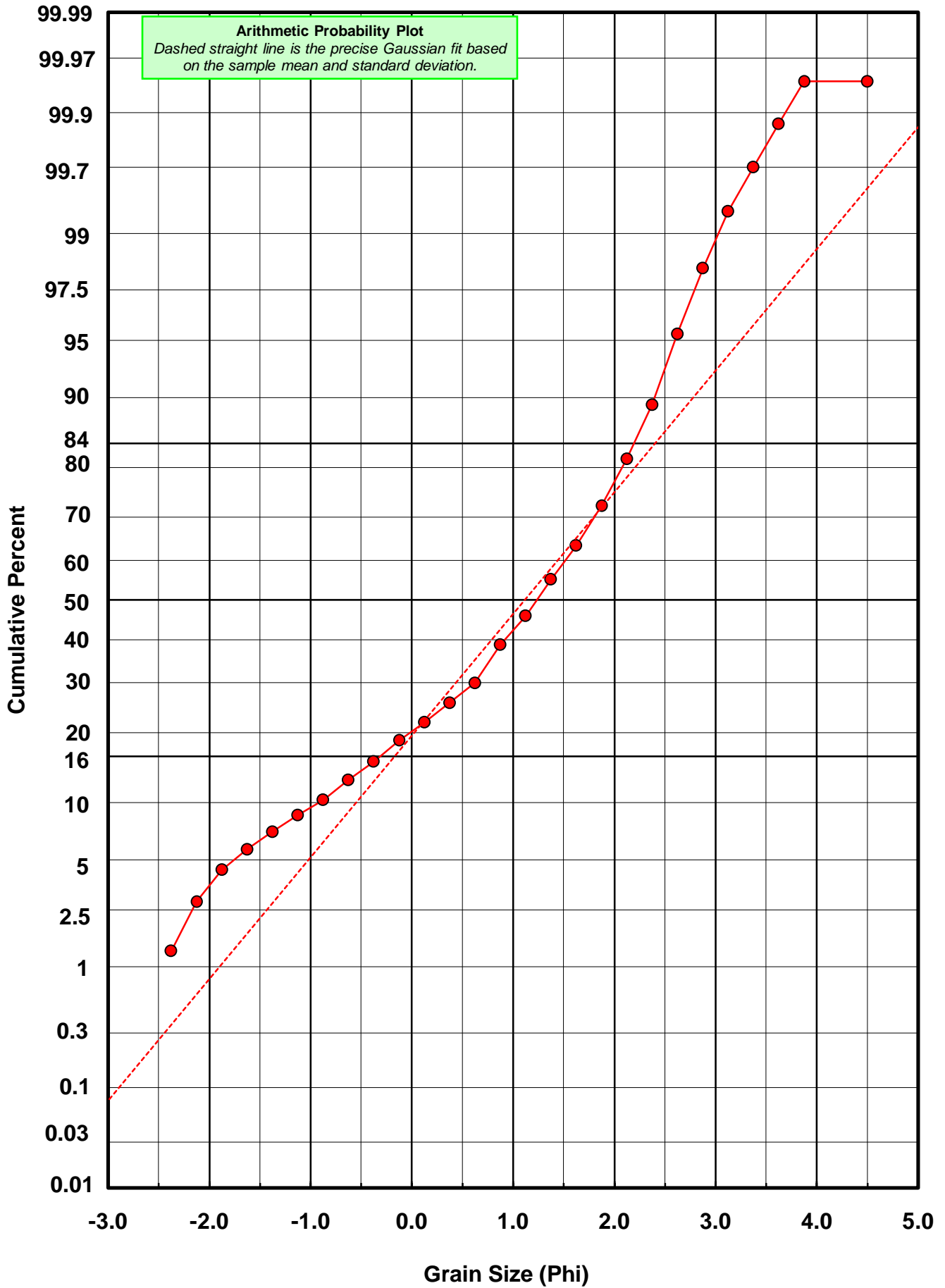
* RARD = reciprocal absolute relative dispersion (see below)

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)



PI-35-BB



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: PI-35-BB

Total Carbonate Mass: 23.975 grams

% Carbonate: 41.6 %

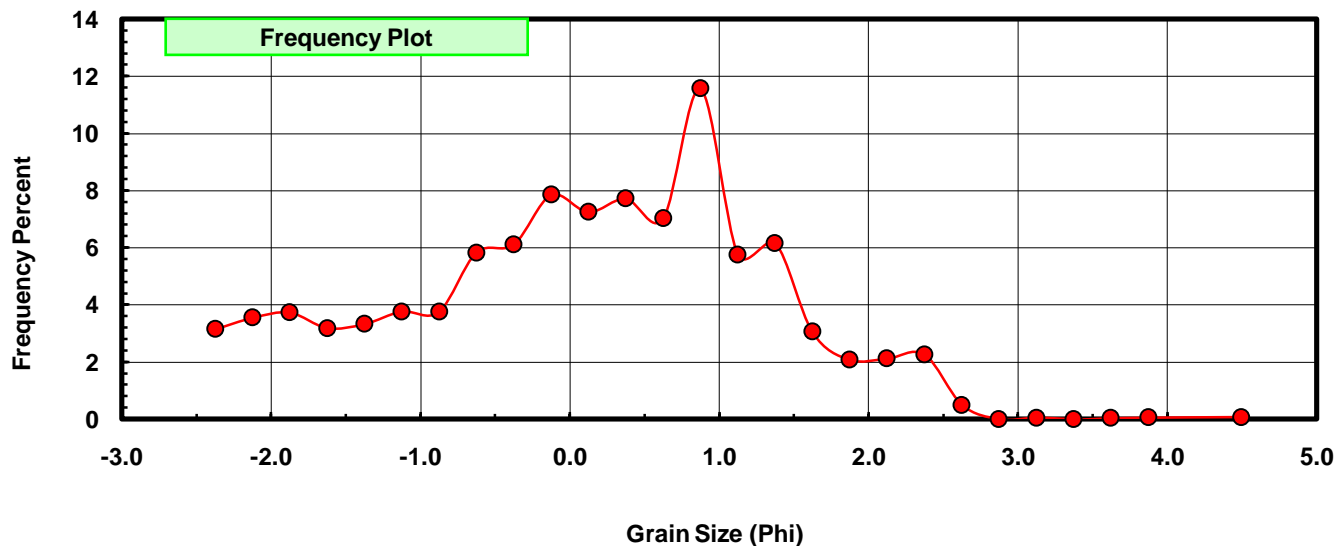
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.755	3.149	3.149
-2.00	-2.125	0.853	3.558	6.707
-1.75	-1.875	0.894	3.729	10.436
-1.50	-1.625	0.764	3.187	13.623
-1.25	-1.375	0.799	3.333	16.955
-1.00	-1.125	0.903	3.766	20.722
-0.75	-0.875	0.902	3.762	24.484
-0.50	-0.625	1.398	5.831	30.315
-0.25	-0.375	1.467	6.119	36.434
0.00	-0.125	1.882	7.850	44.284
0.25	0.125	1.738	7.249	51.533
0.50	0.375	1.850	7.716	59.249
0.75	0.625	1.684	7.024	66.273
1.00	0.875	2.773	11.566	77.839
1.25	1.125	1.379	5.752	83.591
1.50	1.375	1.478	6.165	89.756
1.75	1.625	0.733	3.057	92.813
2.00	1.875	0.499	2.081	94.895
2.25	2.125	0.509	2.123	97.018
2.50	2.375	0.544	2.269	99.287
2.75	2.625	0.120	0.501	99.787
3.00	2.875	0.000	0.000	99.787
3.25	3.125	0.011	0.046	99.833
3.50	3.375	0.000	0.000	99.833
3.75	3.625	0.008	0.033	99.867
4.00	3.875	0.014	0.058	99.925
5.00	4.500	0.018	0.075	100.000

Statistical Results			
Mean:	0.0793	phi	(0.9465 mm)
Standard Dev:	1.2435	phi-units	(0.4224 mm)
Skewness:	-0.1856	dimensionless	
Kurtosis:	2.3879	dimensionless	
5th Moment:	-0.2657	dimensionless	
6th Moment:	8.5870	dimensionless	
RARD *	15.6814	dimensionless	
Median	0.0721	phi	(0.9512 mm)

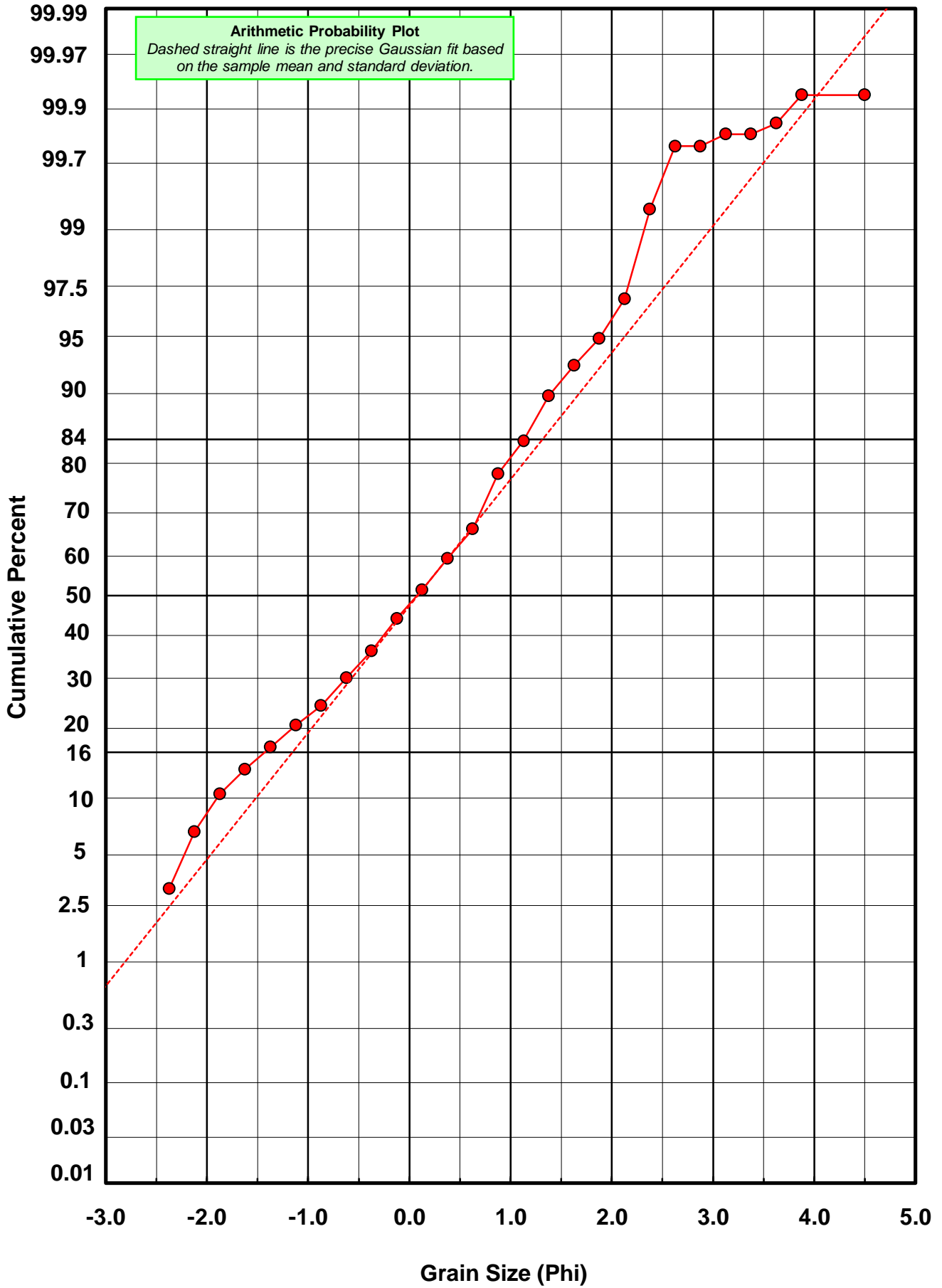
* RARD = reciprocal absolute relative dispersion (see below)

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)



PI-35-BB



Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: PI-35-BB

Total Digested Mass: 33.564 grams

% Silica: 58.4 %

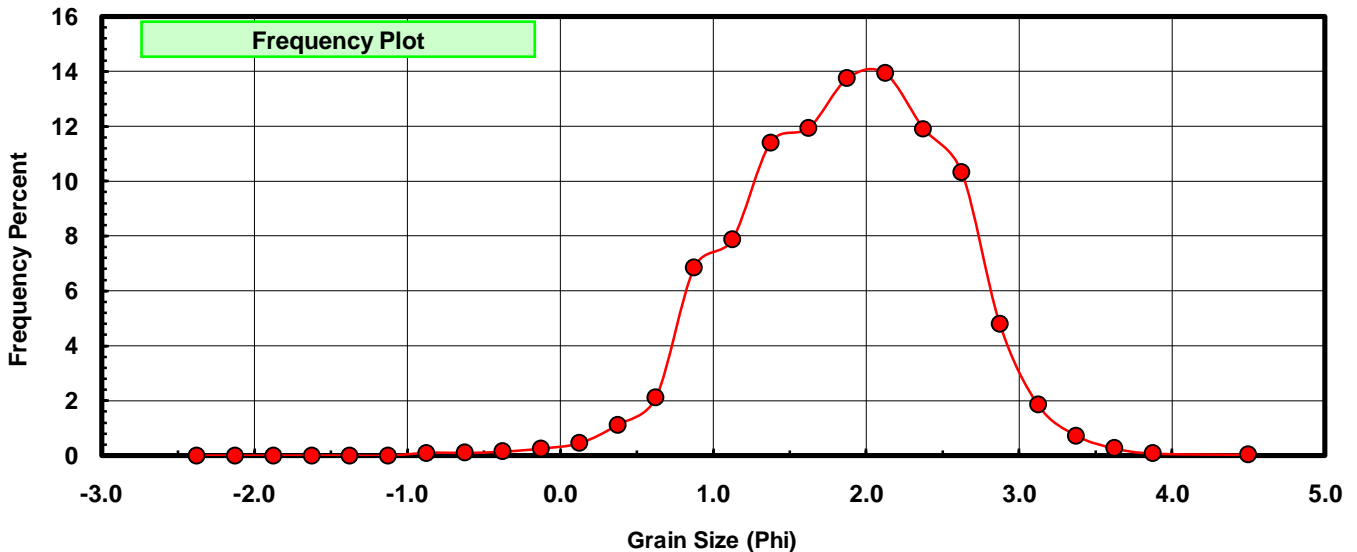
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.033	0.098	0.098
-0.50	-0.625	0.034	0.101	0.200
-0.25	-0.375	0.049	0.146	0.346
0.00	-0.125	0.085	0.253	0.599
0.25	0.125	0.153	0.456	1.055
0.50	0.375	0.375	1.117	2.172
0.75	0.625	0.711	2.118	4.290
1.00	0.875	2.301	6.856	11.146
1.25	1.125	2.641	7.869	19.014
1.50	1.375	3.824	11.393	30.408
1.75	1.625	4.004	11.929	42.337
2.00	1.875	4.613	13.744	56.081
2.25	2.125	4.674	13.926	70.007
2.50	2.375	3.999	11.915	81.921
2.75	2.625	3.461	10.312	92.233
3.00	2.875	1.612	4.803	97.036
3.25	3.125	0.620	1.847	98.883
3.50	3.375	0.244	0.727	99.610
3.75	3.625	0.091	0.271	99.881
4.00	3.875	0.028	0.083	99.964
5.00	4.500	0.012	0.036	100.000

Statistical Results			
Mean:	1.8569	phi	(0.2761 mm)
Standard Dev:	0.6854	phi-units	(0.6218 mm)
Skewness:	-0.2335	dimensionless	
Kurtosis:	3.0171	dimensionless	
5th Moment:	-2.5331	dimensionless	
6th Moment:	18.6311	dimensionless	
RARD *	0.3691	dimensionless	
Median	1.7644	phi	(0.2944 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)



PI-35-BB

