

093K/14

SUMMARY STATISTICS and HISTOGRAM

822231

LOGARITHMIC VALUES

Variable = Fe Unit = % N = 1130

Mean = 0.6494 Min = -0.1675 1st Quartile = 0.5641
Std. Dev. = 0.1638 Max = 1.3302 Median = 0.6665
CV % = 25.2299 Skewness = -0.7344 3rd Quartile = 0.7501

Anti-Log Mean = 4.461 Anti-Log Std. Dev. : (-) 3.059
(+) 6.505

%	cum %	antilog	cls int	(# of bins = 31 - bin size = 0.0499)
0.00	0.04	0.642	-0.1925	
0.09	0.13	0.720	-0.1425	
0.09	0.22	0.808	-0.0926	
0.00	0.22	0.906	-0.0427	
0.18	0.40	1.017	0.0072	*
0.18	0.57	1.141	0.0572	*
0.27	0.84	1.280	0.1071	*
0.27	1.11	1.436	0.1570	*
0.62	1.72	1.610	0.2069	**
0.62	2.34	1.807	0.2569	**
0.62	2.96	2.027	0.3068	**
1.42	4.38	2.274	0.3567	*****
2.92	7.29	2.551	0.4066	*****
3.98	11.27	2.861	0.4566	*****
4.69	15.96	3.210	0.5065	*****
7.43	23.39	3.601	0.5564	*****
11.06	34.44	4.039	0.6063	*****
12.48	46.91	4.532	0.6562	***** --> 41
15.22	62.11	5.084	0.7062	***** --> 50
14.69	76.79	5.703	0.7561	***** --> 48
9.12	85.90	6.398	0.8060	*****
6.11	92.00	7.177	0.8559	*****
4.51	96.51	8.051	0.9059	*****
1.68	98.19	9.032	0.9558	*****
0.71	98.89	10.132	1.0057	**
0.80	99.69	11.367	1.0556	***
0.09	99.78	12.751	1.1056	
0.09	99.87	14.305	1.1555	
0.00	99.87	16.047	1.2054	
0.00	99.87	18.002	1.2553	
0.00	99.87	20.195	1.3052	
0.09	99.96	22.655	1.3552	

0 1 2 3 4

Each "*" represents approximately 3.5 observations.

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SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable = Fe	Unit =	%	N = 1130
Mean = 4.765	Min = 0.680	1st Quartile = 3.665	
Std. Dev. = 1.724	Max = 21.390	Median = 4.640	
CV % = 36.173	Skewness = 1.403	3rd Quartile = 5.625	

=====
 % cum % cls int (# of bins = 31 - bin size = 0.690)

0.00	0.04	0.335	
0.44	0.49	1.025	*
1.68	2.17	1.716	*****
3.81	5.97	2.406	*****
8.41	14.37	3.096	*****
14.07	28.43	3.787	***** --> 46
16.81	45.23	4.477	***** --> 55
18.94	64.15	5.167	***** --> 62
14.96	79.09	5.857	***** --> 49
8.41	87.49	6.548	*****
4.96	92.44	7.238	*****
3.54	95.98	7.928	*****
1.86	97.83	8.619	*****
0.62	98.45	9.309	**
0.44	98.89	9.999	*
0.44	99.34	10.690	*
0.35	99.69	11.380	*
0.09	99.78	12.071	
0.00	99.78	12.761	
0.09	99.87	13.451	
0.00	99.87	14.142	
0.00	99.87	14.832	
0.00	99.87	15.522	
0.00	99.87	16.213	
0.00	99.87	16.903	
0.00	99.87	17.593	
0.00	99.87	18.284	
0.00	99.87	18.974	
0.00	99.87	19.664	
0.00	99.87	20.355	
0.00	99.87	21.045	
0.09	99.96	21.735	

 0 1 2 3 4

Each "*" represents approximately 3.5 observations.

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PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = MTSID_2.PPL

Variable = Co Unit = ppm N = 1130
N CI = 31

Transform = Logarithmic Number of Populations = 2

of Missing Observations = 0.

=====

Raw Data Maximum Likelihood Parameter Estimates

Maximum LN Likelihood Value = -602.458

Parameterized Degrees of Freedom = 3

Population	Mean	Std Dev	Percentage
1	9.273	- 4.536 + 18.955	53.07
2	38.034	- 20.909 + 69.187	46.93

=====

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds
1	2.219 38.745
2	11.494 125.856

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15:35:44

03/27/91

MT SIDNEY WILLIAMS 1988 SOIL GRID - SET 2

LOGARITHMIC VALUES

=====

VARIABLE = Co

UNIT = ppm

N = 1130

N CI = 31

POPULATIONS

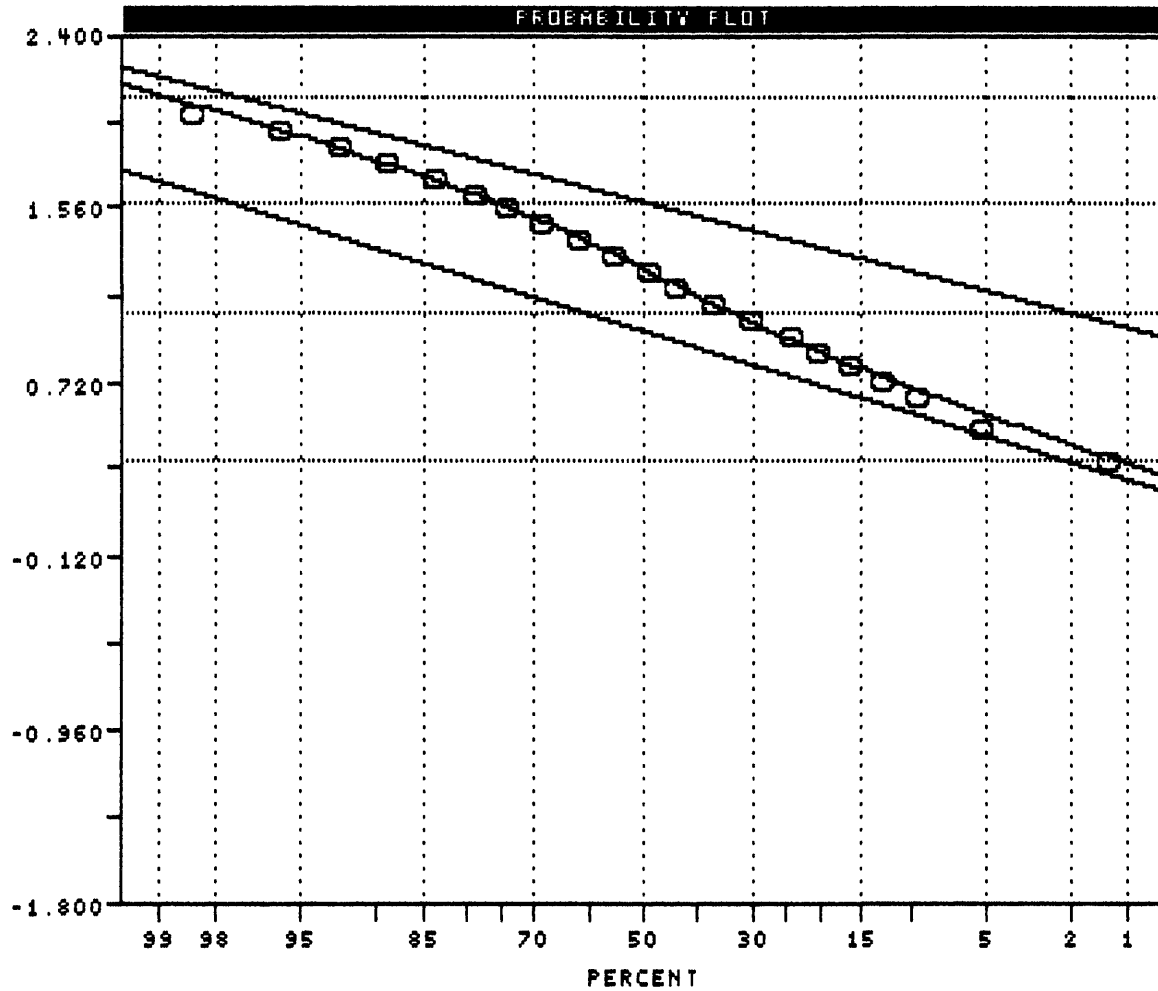
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Pop.	Mean	Std.Dev.	%
1	0.9672	0.3105	53.1
2	1.5802	0.2598	46.9

Pop. THRESHOLDS

=====

1	0.3462	1.5882
2	1.0605	2.0999



RAW DATA ML
PARAMETER ESTIMATES

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = Co Unit = ppm N = 1130

Mean = 1.2568 Min = 0.0000 1st Quartile = 0.9542

Std. Dev. = 0.4205 Max = 2.2833 Median = 1.2788

CV % = 33.4577 Skewness = -0.1619 3rd Quartile = 1.5798

Anti-Log Mean = 18.064 Anti-Log Std. Dev. : (-) 6.860
(+) 47.567

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%	cum %	antilog	cls int	(# of bins = 31 - bin size = 0.0761)
0.00	0.04	0.916	-0.0381	
0.27	0.31	1.092	0.0381	*
0.00	0.31	1.301	0.1142	
0.00	0.31	1.550	0.1903	
0.00	0.31	1.847	0.2664	
0.97	1.28	2.200	0.3425	***
0.00	1.28	2.622	0.4186	
3.89	5.17	3.124	0.4947	*****
0.00	5.17	3.722	0.5708	
4.16	9.33	4.435	0.6469	*****
3.27	12.60	5.285	0.7230	*****
3.36	15.96	6.297	0.7992	*****
3.89	19.85	7.504	0.8753	*****
3.89	23.74	8.941	0.9514	*****
6.28	30.02	10.653	1.0275	*****
6.55	36.56	12.694	1.1036	*****
6.99	43.55	15.125	1.1797	*****
5.13	48.67	18.023	1.2558	*****
6.64	55.31	21.475	1.3319	*****
6.28	61.58	25.588	1.4080	*****
6.64	68.21	30.489	1.4841	*****
5.58	73.78	36.329	1.5603	*****
4.87	78.65	43.288	1.6364	*****
5.04	83.69	51.579	1.7125	*****
5.13	88.82	61.459	1.7886	*****
3.81	92.62	73.231	1.8647	*****
3.27	95.89	87.258	1.9408	*****
2.57	98.45	103.972	2.0169	*****
1.24	99.69	123.887	2.0930	****
0.18	99.87	147.617	2.1691	*
0.00	99.87	175.892	2.2452	
0.09	99.96	209.583	2.3214	

0 1 2 3 4

Each "*" represents approximately 3.5 observations.

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PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = MTSID_2.PPL

Variable = Ni Unit = ppm N = 1130
N CI = 31

Transform = Logarithmic Number of Populations = 2

of Missing Observations = 0.

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Raw Data Maximum Likelihood Parameter Estimates

Maximum LN Likelihood Value = -979.699

Parameterized Degrees of Freedom = 3

Population	Mean	Std Dev	Percentage
1	16.869	- 10.911 + 26.080	13.01
2	220.049	- 71.727 + 675.083	86.99

=====

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds
1	7.058 40.321
2	23.380 2071.071

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15:15:44

03/27/91

MT SIDNEY WILLIAMS 1988 SOIL GRID - SET 2

LOGARITHMIC VALUES

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VARIABLE = Ni

UNIT = ppm

N = 1130

N CI = 31

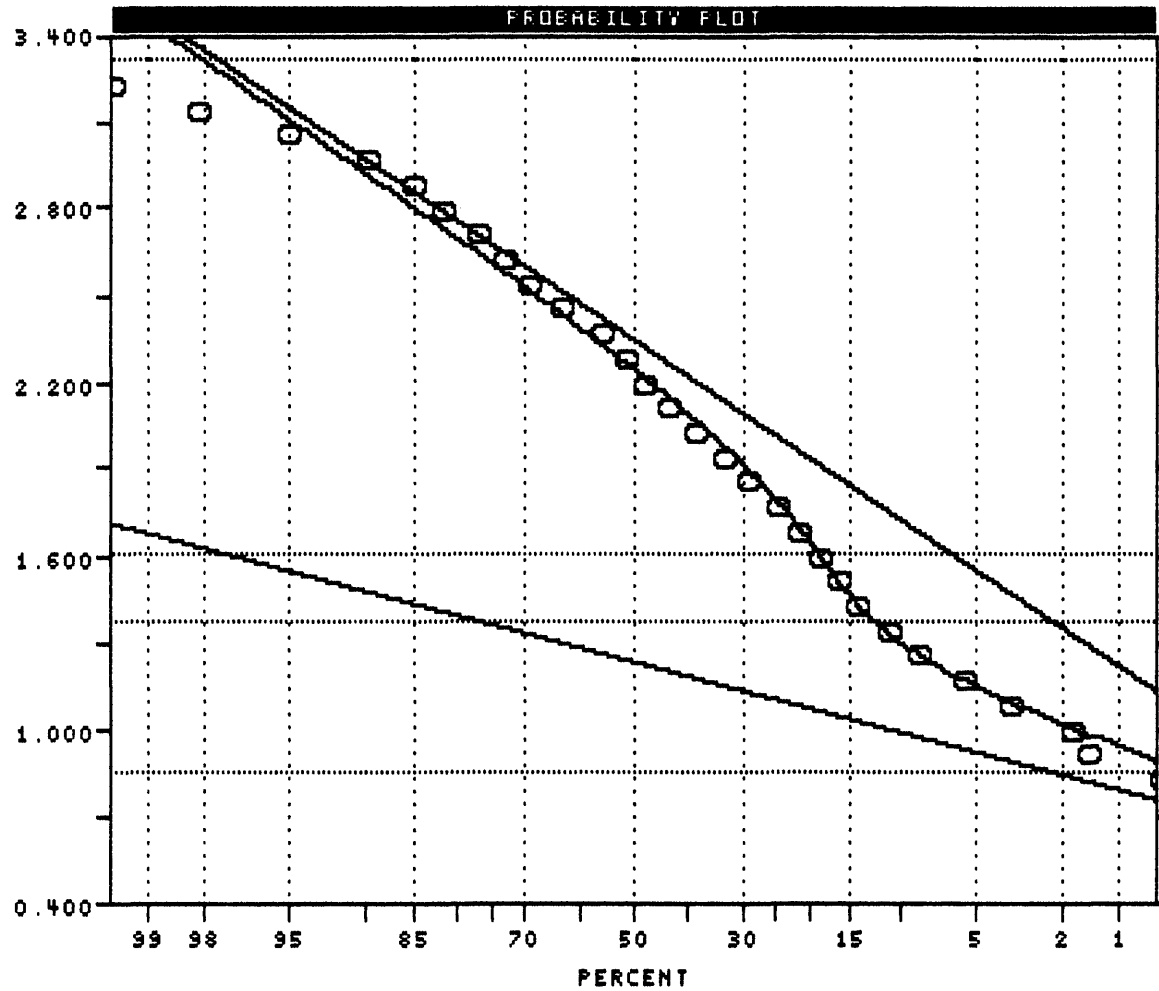
POPULATIONS

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Pop.	Mean	Std.Dev.	%
1	1.2271	0.1892	13.0
2	2.3425	0.4868	87.0

Pop. THRESHOLDS

Pop.	Mean	Std.Dev.
1	0.8487	1.6055
2	1.3688	3.3162



RAW DATA ML
PARAMETER ESTIMATES

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = Ni Unit = ppm N = 1130
Mean = 2.1987 Min = 0.6990 1st Quartile = 1.7853
Std. Dev. = 0.5954 Max = 3.2714 Median = 2.2625
CV % = 27.0788 Skewness = -0.3171 3rd Quartile = 2.6726
Anti-Log Mean = 158.001 Anti-Log Std. Dev. : (-) 40.113
(+) 622.345

=====
% cum % antilog cls int (# of bins = 31 - bin size = 0.0857)

0.00 0.04 4.530 0.6561
0.27 0.31 5.519 0.7418 *
0.27 0.57 6.723 0.8276 *
0.88 1.46 8.191 0.9133 ***
0.27 1.72 9.979 0.9991 *
1.77 3.49 12.157 1.0848 *
2.04 5.53 14.811 1.1706 *
2.92 8.44 18.044 1.2563 *
2.39 10.83 21.982 1.3421 *
2.92 13.75 26.780 1.4278 *
2.12 15.87 32.626 1.5136 *
2.30 18.17 39.748 1.5993 *
2.74 20.91 48.424 1.6851 *
3.01 23.92 58.994 1.7708 *
4.69 28.60 71.871 1.8566 *
3.98 32.58 87.559 1.9423 *
5.49 38.06 106.671 2.0280 *
4.60 42.66 129.955 2.1138 *
4.78 47.44 158.322 2.1995 *
3.54 50.97 192.880 2.2853 *
4.87 55.84 234.982 2.3710 *
7.43 63.26 286.274 2.4568 *
5.58 68.83 348.761 2.5425 *
3.72 72.55 424.889 2.6283 *
4.34 76.88 517.633 2.7140 *
4.42 81.30 630.622 2.7998 *
3.72 85.01 768.273 2.8855 *
4.42 89.43 935.972 2.9713 *
5.49 94.92 1140.275 3.0570 *
3.19 98.10 1389.174 3.1428 *
1.24 99.34 1692.402 3.2285 *
0.62 99.96 2061.818 3.3143 **

0 1 2 3 4

Each "*" represents approximately 3.5 observations.

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SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = Ag Unit = . ppm N = 1130

Mean = -0.6612 Min = -1.0000 1st Quartile = -1.0000
Std. Dev. = 0.3650 Max = 0.7709 Median = -0.6990
CV % = 55.2083 Skewness = 0.8676 3rd Quartile = -0.3979

Anti-Log Mean = 0.218 Anti-Log Std. Dev. : (-) 0.094
(+) 0.506

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%	cum %	antilog	cls int	(# of bins = 31 - bin size = 0.0590)
0.00	0.04	0.093	-1.0295	
42.21	42.22	0.107	-0.9705	***** --> 138
0.00	42.22	0.123	-0.9115	
0.00	42.22	0.140	-0.8524	
0.00	42.22	0.161	-0.7934	
0.00	42.22	0.184	-0.7344	
20.53	62.73	0.211	-0.6753	***** --> 67
0.00	62.73	0.242	-0.6163	
0.00	62.73	0.277	-0.5573	
10.18	72.90	0.317	-0.4983	*****
0.00	72.90	0.364	-0.4392	
6.28	79.18	0.417	-0.3802	*****
0.00	79.18	0.477	-0.3212	
4.42	83.60	0.547	-0.2621	*****
3.89	87.49	0.626	-0.2031	*****
2.48	89.96	0.718	-0.1441	*****
1.95	91.91	0.822	-0.0851	*****
1.15	93.06	0.942	-0.0260	****
1.06	94.12	1.079	0.0330	***
2.04	96.15	1.236	0.0920	*****
1.24	97.39	1.416	0.1511	****
0.62	98.01	1.622	0.2101	**
0.53	98.54	1.858	0.2691	**
0.71	99.25	2.129	0.3281	**
0.27	99.51	2.439	0.3872	*
0.09	99.60	2.794	0.4462	
0.00	99.60	3.201	0.5052	
0.00	99.60	3.667	0.5643	
0.27	99.87	4.200	0.6233	*
0.00	99.87	4.812	0.6823	
0.00	99.87	5.512	0.7413	
0.09	99.96	6.315	0.8004	

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0 1 2 3 4

Each "*" represents approximately 3.5 observations.

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PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = MTSID_2.PPL

Variable = As Unit = ppm N = 1130
N CI = 31

Transform = Logarithmic Number of Populations = 2

of Missing Observations = 0.

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Users Visual Parameter Estimates

Population	Mean	Std Dev	Percentage
1	10.474	- 4.328 + 25.349	95.00
2	194.809	- 109.930 + 345.227	5.00

=====

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds
1	1.788 61.345
2	62.032 611.787

#####

14:50:53

03/27/91

MT SIDNEY WILLIAMS 1988 SOIL GRID - SET 2

LOGARITHMIC VALUES

=====

VARIABLE = As

UNIT = ppm

N = 1130

N CI = 31

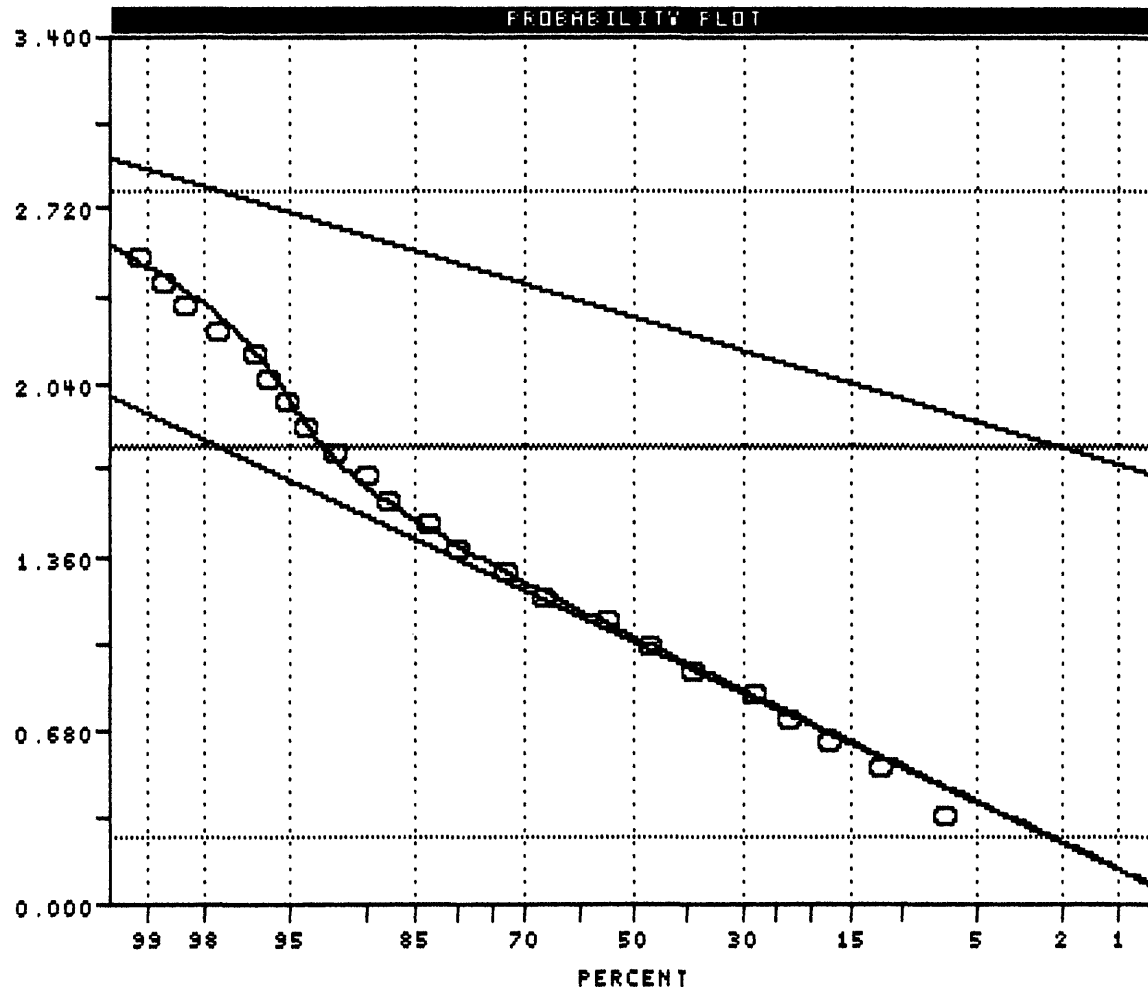
POPULATIONS

=====

Pop.	Mean	Std.Dev.	%
1	1.0201	0.3838	95.0
2	2.2896	0.2485	5.0

THRESHOLDS

Pop.	Mean	Std.Dev.
1	0.2525	1.7878
2	1.7926	2.7866



USERS VISUAL
PARAMETER ESTIMATES

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PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = MTSID_2.PPL

Variable = Zn Unit = ppm N = 1130
N CI = 31

Transform = Logarithmic Number of Populations = 2

of Missing Observations = 0.

=====

Raw Data Maximum Likelihood Parameter Estimates

Maximum LN Likelihood Value = 304.288

Parameterized Degrees of Freedom = 3

Population	Mean	Std Dev	Percentage
1	72.146	- 49.165 + 105.869	95.79
2	228.585	- 170.920 + 305.706	4.21

=====

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds
1	33.504 155.355
2	127.802 408.846

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14:45:04

03/27/91

MT SIDNEY WILLIAMS 1988 SOIL GRID - SET 2

LOGARITHMIC VALUES

=====

VARIABLE = Zn

UNIT = ppm

N = 1130

N CI = 31

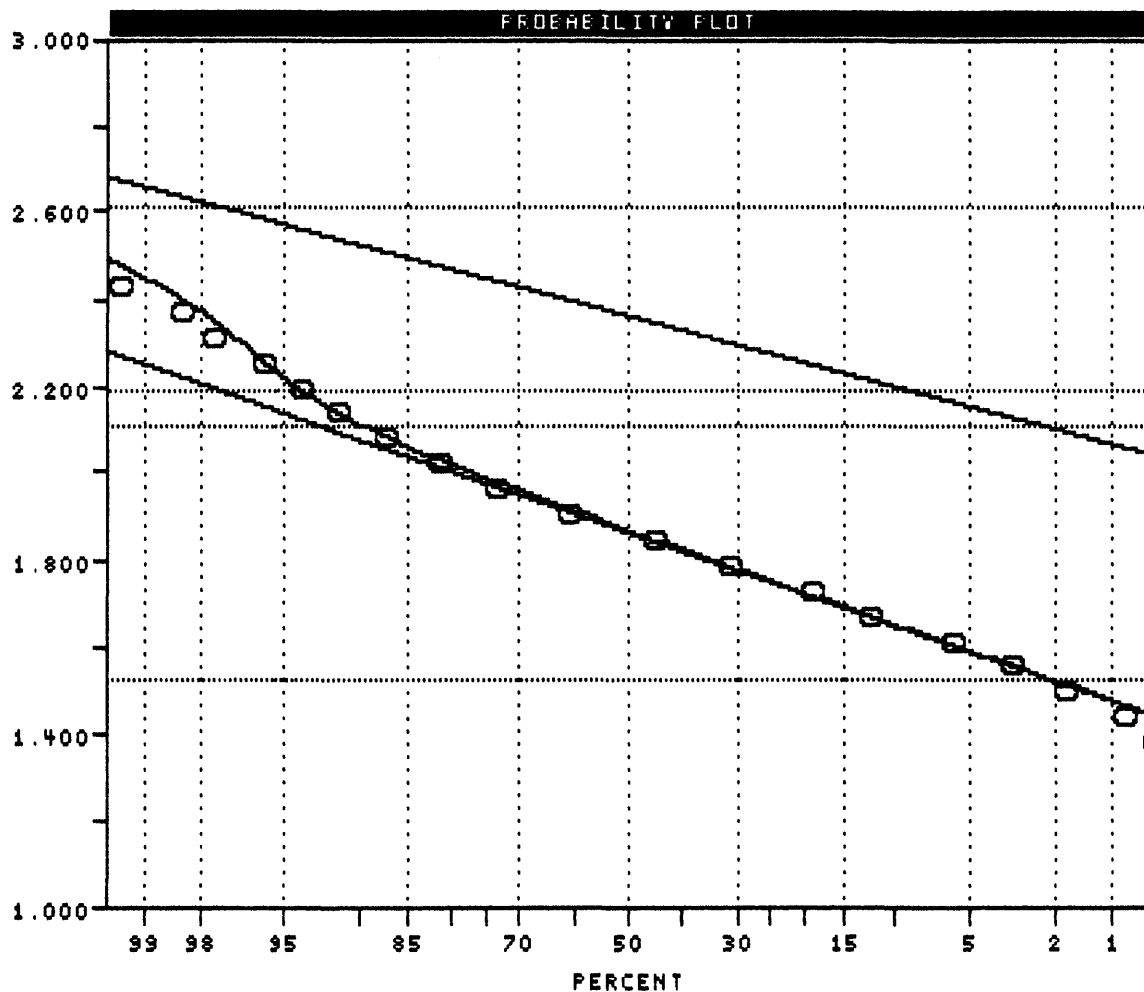
POPULATIONS

=====

Pop.	Mean	Std.Dev.	%
1	1.8582	0.1666	95.8
2	2.3590	0.1263	4.2

THRESHOLDS

1	1.5251	2.1913
2	2.1065	2.6116



RAW DATA ML
PARAMETER ESTIMATES

14:24:59

03/27/91

MT SIDNEY WILLIAMS 1988 SOIL GRID - SET 2

LOGARITHMIC VALUES

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VARIABLE = Zn

UNIT = ppm

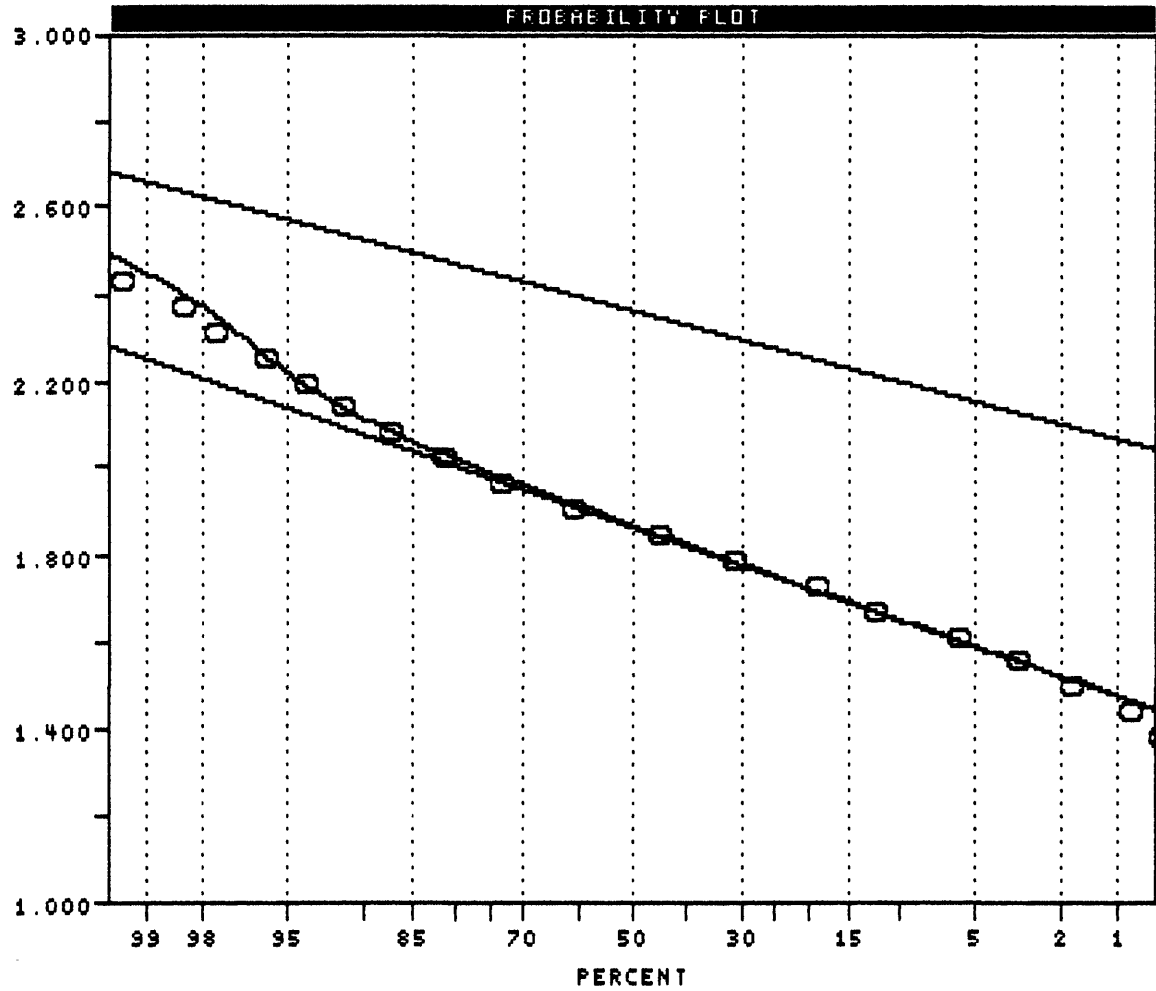
N = 1130

N CI = 31

POPULATIONS

=====

Pop.	Mean	Std.Dev.	%
1	1.8582	0.1666	95.8
2	2.3590	0.1263	4.2



RAW DATA ML
PARAMETER ESTIMATES

 SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = Zn Unit = ppm N = 1130

Mean = 1.8798 Min = 1.1761 1st Quartile = 1.7634
 Std. Dev. = 0.1894 Max = 2.9309 Median = 1.8633
 CV % = 10.0755 Skewness = 0.5618 3rd Quartile = 1.9731

Anti-Log Mean = 75.816 Anti-Log Std. Dev. : (-) 49.019
(+) 117.263

=====
 % cum % antilog cls int (# of bins = 31 - bin size = 0.0585)

%	cum %	antilog	cls int	(# of bins = 31 - bin size = 0.0585)
0.00	0.04	14.023	1.1468	
0.09	0.13	16.045	1.2053	
0.00	0.13	18.358	1.2638	
0.18	0.31	21.005	1.3223	*
0.27	0.57	24.034	1.3808	*
0.27	0.84	27.499	1.4393	*
0.88	1.72	31.464	1.4978	***
1.50	3.23	36.001	1.5563	*****
2.57	5.79	41.191	1.6148	*****
6.28	12.07	47.130	1.6733	*****
6.55	18.61	53.926	1.7318	*****
12.30	30.90	61.701	1.7903	***** --> 40
13.72	44.61	70.597	1.8488	***** --> 45
15.93	60.52	80.776	1.9073	***** --> 52
12.65	73.17	92.422	1.9658	***** --> 41
7.96	81.12	105.748	2.0243	*****
6.19	87.31	120.995	2.0828	*****
4.07	91.38	138.440	2.1413	*****
2.48	93.85	158.401	2.1998	*****
2.04	95.89	181.240	2.2583	*****
1.77	97.66	207.371	2.3167	*****
0.71	98.36	237.271	2.3752	**
0.88	99.25	271.481	2.4337	***
0.27	99.51	310.624	2.4922	*
0.18	99.69	355.410	2.5507	*
0.09	99.78	406.654	2.6092	
0.09	99.87	465.286	2.6677	
0.00	99.87	532.373	2.7262	
0.00	99.87	609.131	2.7847	
0.00	99.87	696.957	2.8432	
0.00	99.87	797.446	2.9017	
0.09	99.96	912.424	2.9602	

0 1 2 3 4

Each "*" represents approximately 3.5 observations.

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PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = MTSID_2.PPL

Variable = Cu Unit = ppm N = 1130
N CI = 31

Transform = Logarithmic Number of Populations = 2

of Missing Observations = 0.

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Raw Data Maximum Likelihood Parameter Estimates

Maximum LN Likelihood Value = -54.060

Parameterized Degrees of Freedom = 3

Population	Mean	Std Dev	Percentage
1	22.511	- 13.356 + 37.943	96.56
2	108.179	- 70.527 + 165.933	3.44

=====

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds
1	7.924 63.954
2	45.980 254.519

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14:00:25
03/27/91

MT SIDNEY WILLIAMS 1988 SOIL GRID - SET 2

LOGARITHMIC VALUES

=====

VARIABLE = CU
UNIT = ppm
N = 1130
N CI = 31

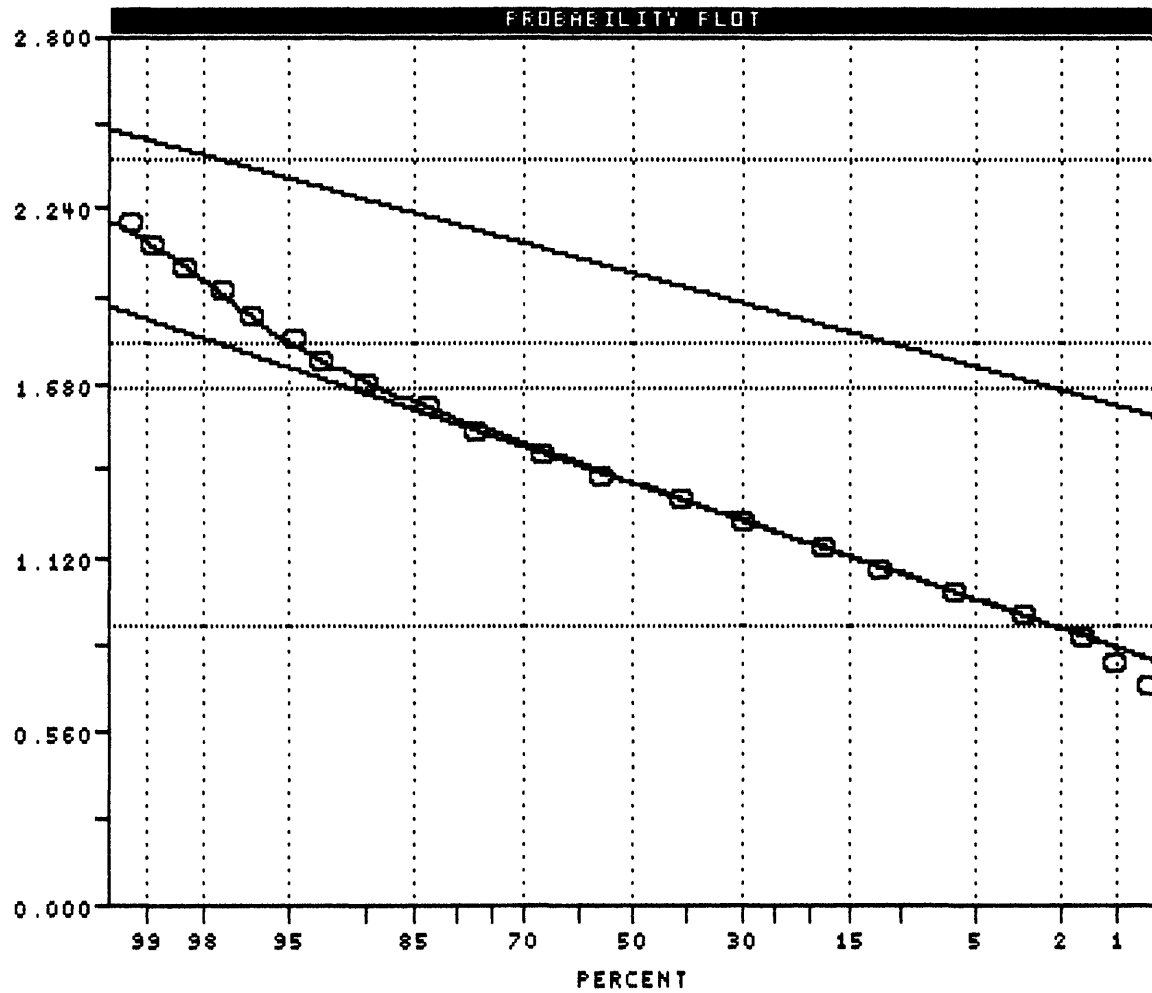
POPULATIONS

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Pop.	Mean	Std.Dev.	%
1	1.3524	0.2267	96.6
2	2.0341	0.1858	3.4

POP. THRESHOLDS

Pop.	Mean	Std.Dev.
1	0.8989	1.8059
2	1.6626	2.4057



RAW DATA ML
PARAMETER ESTIMATES

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = Cu	Unit =	ppm	N =	1130
Mean = 1.3780	Min = 0.3010	1st Quartile = 1.2041		
Std. Dev. = 0.2608	Max = 2.5416	Median = 1.3617		
CV % = 18.9254	Skewness = 0.5230	3rd Quartile = 1.5185		

Anti-Log Mean =	23.877	Anti-Log Std. Dev. :	(-) 13.098
			(+) 43.528

%	cum %	antilog	cls int	(# of bins = 31 - bin size = 0.0747)
0.00	0.04	1.835	0.2637	
0.09	0.13	2.180	0.3384	
0.00	0.13	2.589	0.4131	
0.09	0.22	3.074	0.4877	
0.00	0.22	3.651	0.5624	
0.18	0.40	4.336	0.6371	*
0.27	0.66	5.150	0.7118	*
0.35	1.02	6.116	0.7865	*
0.53	1.55	7.264	0.8612	**
1.50	3.05	8.627	0.9359	*****
3.10	6.15	10.246	1.0105	*****
5.66	11.80	12.168	1.0852	*****
6.11	17.90	14.451	1.1599	*****
11.77	29.66	17.163	1.2346	*****
10.62	40.27	20.383	1.3093	*****
15.13	55.39	24.208	1.3840	***** --> 49
11.15	66.53	28.751	1.4586	*****
10.44	76.97	34.145	1.5333	*****
6.55	83.51	40.552	1.6080	*****
6.11	89.61	48.162	1.6827	*****
3.45	93.06	57.199	1.7574	*****
1.59	94.65	67.932	1.8321	*****
1.86	96.51	80.678	1.9068	*****
0.97	97.48	95.817	1.9814	***
0.88	98.36	113.796	2.0561	***
0.53	98.89	135.149	2.1308	**
0.27	99.16	160.508	2.2055	*
0.35	99.51	190.626	2.2802	*
0.09	99.60	226.395	2.3549	
0.00	99.60	268.876	2.4296	
0.27	99.87	319.328	2.5042	*
0.09	99.96	379.247	2.5789	

0 1 2 3 4

Each "*" represents approximately 3.5 observations.

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