

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = Au Unit = ppb N = 1294

Mean = 0.3591 Min = 0.0000 1st Quartile = 0.0000
 Std. Dev. = 0.5730 Max = 3.3784 Median = 0.0000
 CV % = 159.5487 Skewness = 1.8680 3rd Quartile = 0.4771

Anti-Log Mean = 2.286 Anti-Log Std. Dev. : (-) 0.611
 (+) 8.554

%	cum %	antilog	cls int	(# of bins = 32 - bin size = 0.1090)
0.00	0.04	0.882	-0.0545	
57.88	57.88	1.134	0.0545	***** --> 208
0.00	57.88	1.457	0.1635	
0.00	57.88	1.873	0.2725	
13.29	71.16	2.407	0.3814	***** --> 48
4.10	75.25	3.093	0.4904	*****
0.00	75.25	3.976	0.5994	
6.03	81.27	5.109	0.7084	*****
1.39	82.66	6.567	0.8174	*****
2.09	84.75	8.440	0.9263	*****
1.55	86.29	10.847	1.0353	*****
1.93	88.22	13.941	1.1443	*****
1.39	89.61	17.917	1.2533	*****
1.70	91.31	23.028	1.3623	*****
1.16	92.47	29.596	1.4712	****
2.09	94.56	38.038	1.5802	*****
0.77	95.33	48.888	1.6892	***
0.93	96.25	62.832	1.7982	***
1.08	97.34	80.753	1.9072	****
0.62	97.95	103.786	2.0161	**
0.23	98.19	133.389	2.1251	*
0.54	98.73	171.436	2.2341	**
0.23	98.96	220.334	2.3431	*
0.23	99.19	283.180	2.4521	*
0.23	99.42	363.952	2.5610	*
0.31	99.73	467.761	2.6700	*
0.00	99.73	601.180	2.7790	
0.08	99.81	772.654	2.8880	
0.00	99.81	993.038	2.9970	
0.00	99.81	1276.281	3.1059	
0.00	99.81	1640.314	3.2149	
0.08	99.88	2108.180	3.3239	
0.08	99.96	2709.494	3.4329	

Each "*" represents approximately 3.6 observations.

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10:06:51
04/04/91

MT SIDNEY WILLIAMS 1988 SOIL DATA - SET 1

LOGARITHMIC VALUES

===== =====
 VARIABLE = Sr
 UNIT = ppm
 N = 1294
 N CI = 32

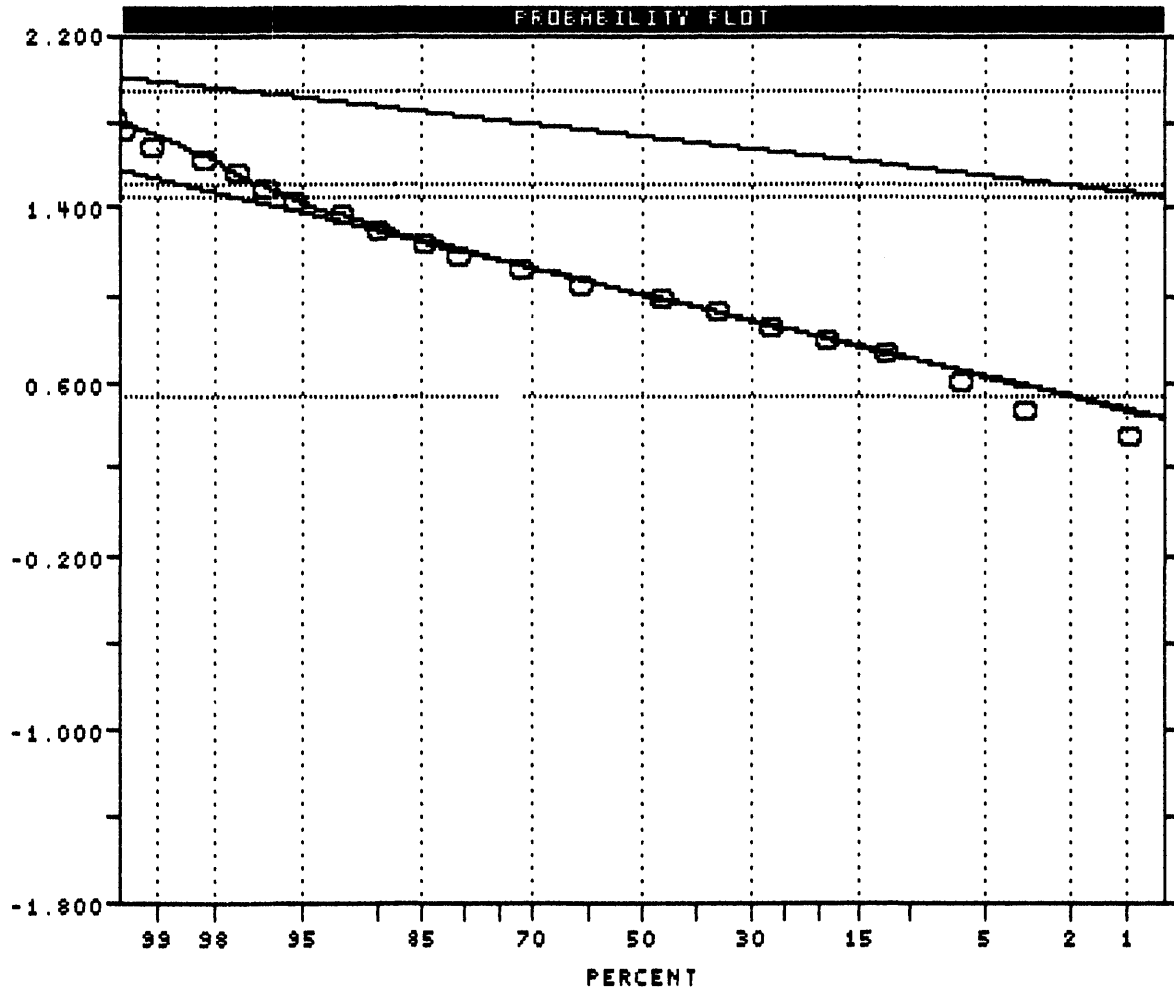
POPULATIONS

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Pop.	Mean	Std.Dev.	%
1	0.9375	0.2299	98.0
2	1.7258	0.1079	2.0

Pop. THRESHOLDS

Pop.	THRESHOLDS
1	0.5377 1.4572
2	1.5099 1.9416



USERS VISUAL
PARAMETER ESTIMATES

09:59:14

04/04/91

MT SIDNEY WILLIAMS 1988 SOIL DATA - SET 1

ARITHMETIC VALUES

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VARIABLE = Co

UNIT = pph

N = 1294

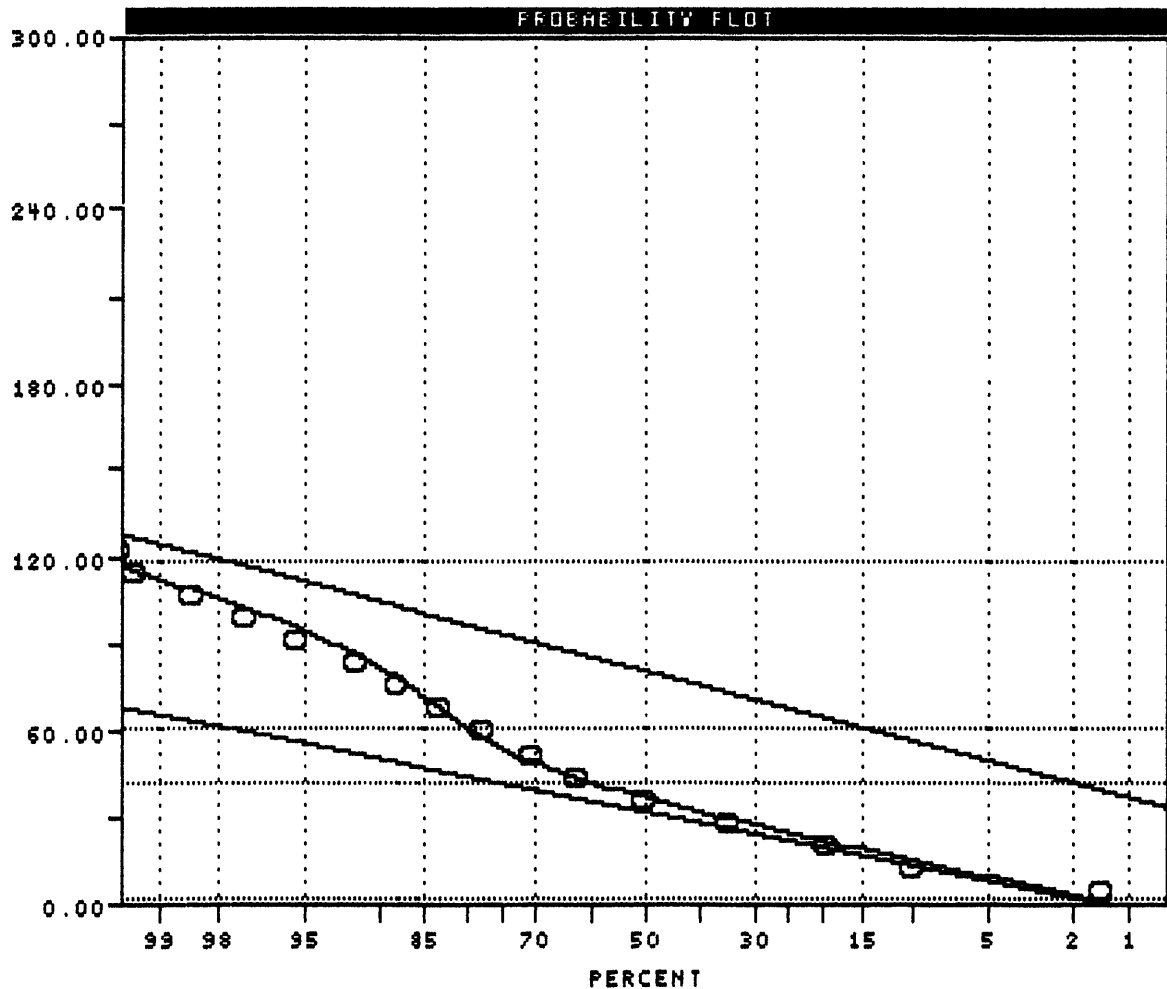
N CI = 32

POPULATIONS

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Pop.	Mean	Std.Dev.	%
1	31.194	14.589	78.0
2	79.932	19.069	22.0

Pop.	THRESHOLDS	
1	2.016	60.372
2	41.795	118.070



USERS VISUAL
PARAMETER ESTIMATES

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = Ag Unit = ppm N = 1294

Mean = -0.8704 Min = -1.0000 1st Quartile = -1.0000
 Std. Dev. = 0.2142 Max = 0.5682 Median = -1.0000
 CV % = 24.6042 Skewness = 1.7516 3rd Quartile = -0.6990

Anti-Log Mean = 0.135 Anti-Log Std. Dev. : (-) 0.082
 (+) 0.221

%	cum %	antilog	cls int	(# of bins = 32 - bin size = 0.0506)
0.00	0.04	0.094	-1.0253	
68.39	68.38	0.106	-0.9747	***** --> 245
0.00	68.38	0.119	-0.9241	
0.00	68.38	0.134	-0.8735	
0.00	68.38	0.150	-0.8229	
0.00	68.38	0.169	-0.7724	
0.00	68.38	0.190	-0.7218	
19.47	87.84	0.213	-0.6712	***** --> 70
0.00	87.84	0.240	-0.6206	
0.00	87.84	0.269	-0.5700	
6.65	94.48	0.302	-0.5194	*****
0.00	94.48	0.340	-0.4688	
0.00	94.48	0.382	-0.4182	
3.01	97.49	0.429	-0.3677	*****
0.00	97.49	0.482	-0.3171	
0.93	98.42	0.541	-0.2665	***
0.46	98.88	0.608	-0.2159	**
0.00	98.88	0.683	-0.1653	
0.23	99.11	0.768	-0.1147	*
0.23	99.34	0.863	-0.0641	*
0.08	99.42	0.969	-0.0136	
0.23	99.65	1.089	0.0370	*
0.15	99.81	1.224	0.0876	*
0.00	99.81	1.375	0.1382	
0.00	99.81	1.545	0.1888	
0.00	99.81	1.735	0.2394	
0.00	99.81	1.950	0.2900	
0.08	99.88	2.191	0.3406	
0.00	99.88	2.461	0.3911	
0.00	99.88	2.765	0.4417	
0.00	99.88	3.107	0.4923	
0.00	99.88	3.491	0.5429	
0.08	99.96	3.922	0.5935	

0 1 2 3 4

Each "*" represents approximately 3.6 observations.

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PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = MTSID_1.PPL

Variable = Cr Unit = ppm N = 1294 N CI = 32

Transform = Arithmetic Number of Populations = 2

of Missing Observations = 0.

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Incomplete Iteration Parameter Estimates

<u>Population</u>	<u>Mean</u>	<u>Std Dev</u>	<u>Percentage</u>
1	516.102	269.981	74.91
2	1282.246	264.279	25.09

=====

Default Thresholds.

Standard Deviation Multiplier = 2.0

<u>Pop.</u>	<u>Thresholds</u>	
1	-23.861	1056.064
2	753.688	1810.805

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09:30:32

04/04/91

MT SIDNEY WILLIAMS 1988 SOIL DATA - SET 1

ARITHMETIC VALUES

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VARIABLE = Cr

UNIT = ppm

N = 1294

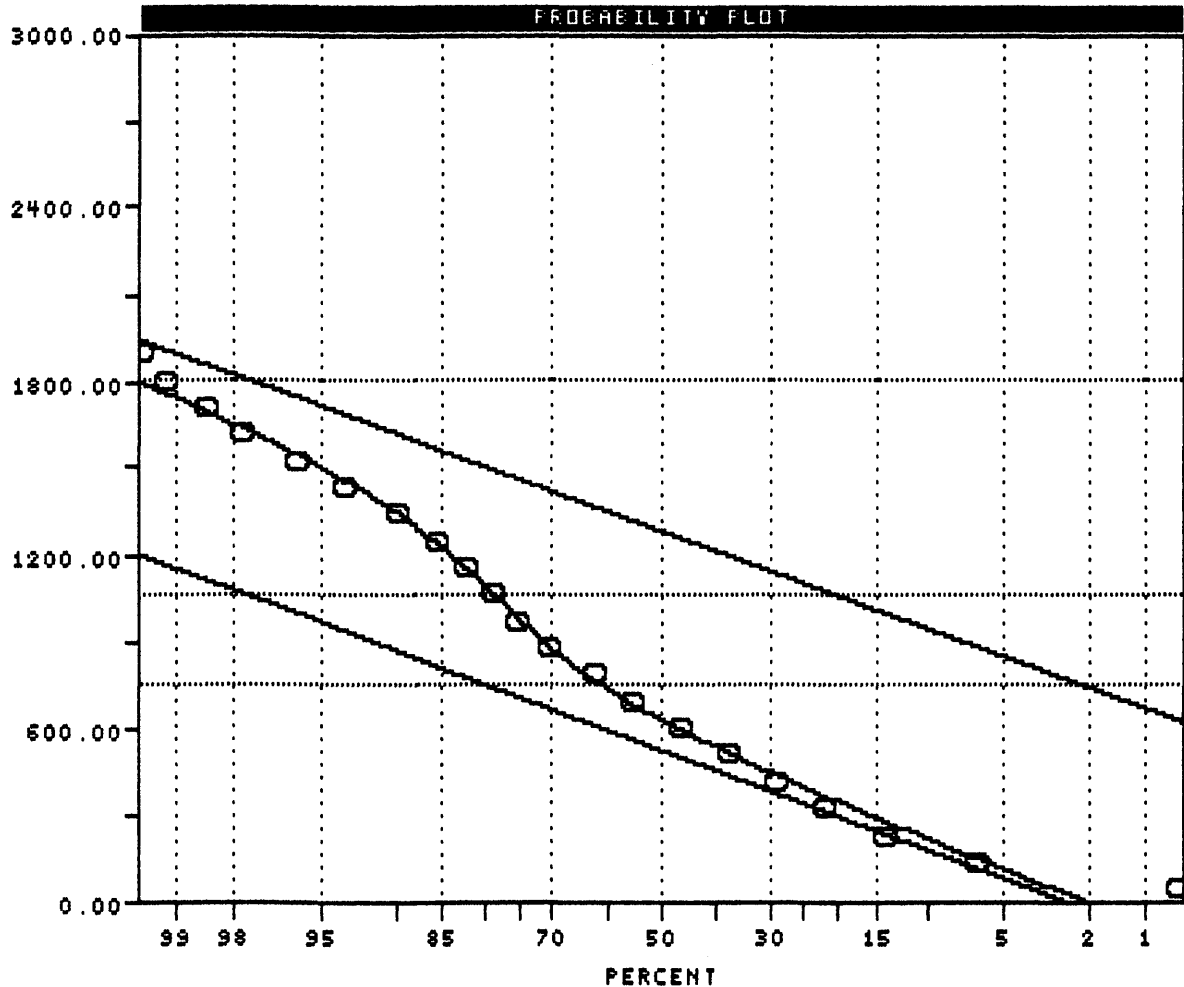
N CI = 32

POPULATIONS

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Pop.	Mean	Std.Dev.	%
1	516.102	269.981	74.9
2	1282.246	264.279	25.1

Pop.	THRESHOLDS	
1	-23.861	1056.064
2	753.688	1810.805



INCOMPLETE ITERATION
PARAMETER ESTIMATES

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = Sb	Unit =	ppm	N =	1294
Mean = 0.3811	Min = 0.3010	1st Quartile = 0.3010		
Std. Dev. = 0.1922	Max = 2.3617	Median = 0.3010		
CV % = 50.4383	Skewness = 3.8717	3rd Quartile = 0.3010		
Anti-Log Mean = 2.405	Anti-Log Std. Dev. : (-)	1.545		
	(+)	3.744		

%	cum %	antilog	cls int	(# of bins = 32 - bin size = 0.0665)
0.00	0.04	1.853	0.2678	
76.82	76.80	2.159	0.3343	***** --> 276
0.00	76.80	2.516	0.4007	
0.00	76.80	2.932	0.4672	
11.36	88.15	3.417	0.5337	***** --> 41
0.00	88.15	3.983	0.6002	
4.17	92.32	4.641	0.6666	*****
2.47	94.79	5.409	0.7331	*****
1.31	96.10	6.304	0.7996	*****
0.77	96.87	7.346	0.8661	***
0.31	97.18	8.561	0.9325	*
0.31	97.49	9.977	0.9990	*
0.77	98.26	11.627	1.0655	***
0.62	98.88	13.551	1.1320	**
0.15	99.03	15.792	1.1984	*
0.15	99.19	18.404	1.2649	*
0.08	99.27	21.448	1.3314	
0.15	99.42	24.995	1.3979	*
0.23	99.65	29.129	1.4643	*
0.08	99.73	33.947	1.5308	
0.08	99.81	39.562	1.5973	
0.00	99.81	46.105	1.6637	
0.00	99.81	53.731	1.7302	
0.00	99.81	62.618	1.7967	
0.00	99.81	72.975	1.8632	
0.00	99.81	85.044	1.9296	
0.00	99.81	99.111	1.9961	
0.00	99.81	115.503	2.0626	
0.00	99.81	134.607	2.1291	
0.00	99.81	156.871	2.1955	
0.08	99.88	182.817	2.2620	
0.00	99.88	213.055	2.3285	
0.08	99.96	248.293	2.3950	

0 1 2 3 4

Each "*" represents approximately 3.6 observations.

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PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = MTSID_1.PPL

Variable = As Unit = ppm N = 1294
N CI = 20

Transform = Logarithmic Number of Populations = 2

of Missing Observations = 0.

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Raw Data Maximum Likelihood Parameter Estimates

Maximum LN Likelihood Value = -1138.457

Parameterized Degrees of Freedom = 3

Population	Mean	Std Dev	Percentage
1	10.685	3.664	87.08
		+ 31.161	
2	183.149	96.370	12.92
		+ 348.072	

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Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds
1	1.256 90.877
2	50.708 661.506

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09:12:12

04/04/91

MT SIDNEY WILLIAMS 1988 SOIL DATA - SET 1

LOGARITHMIC VALUES

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VARIABLE = As

UNIT = ppm

N = 1294

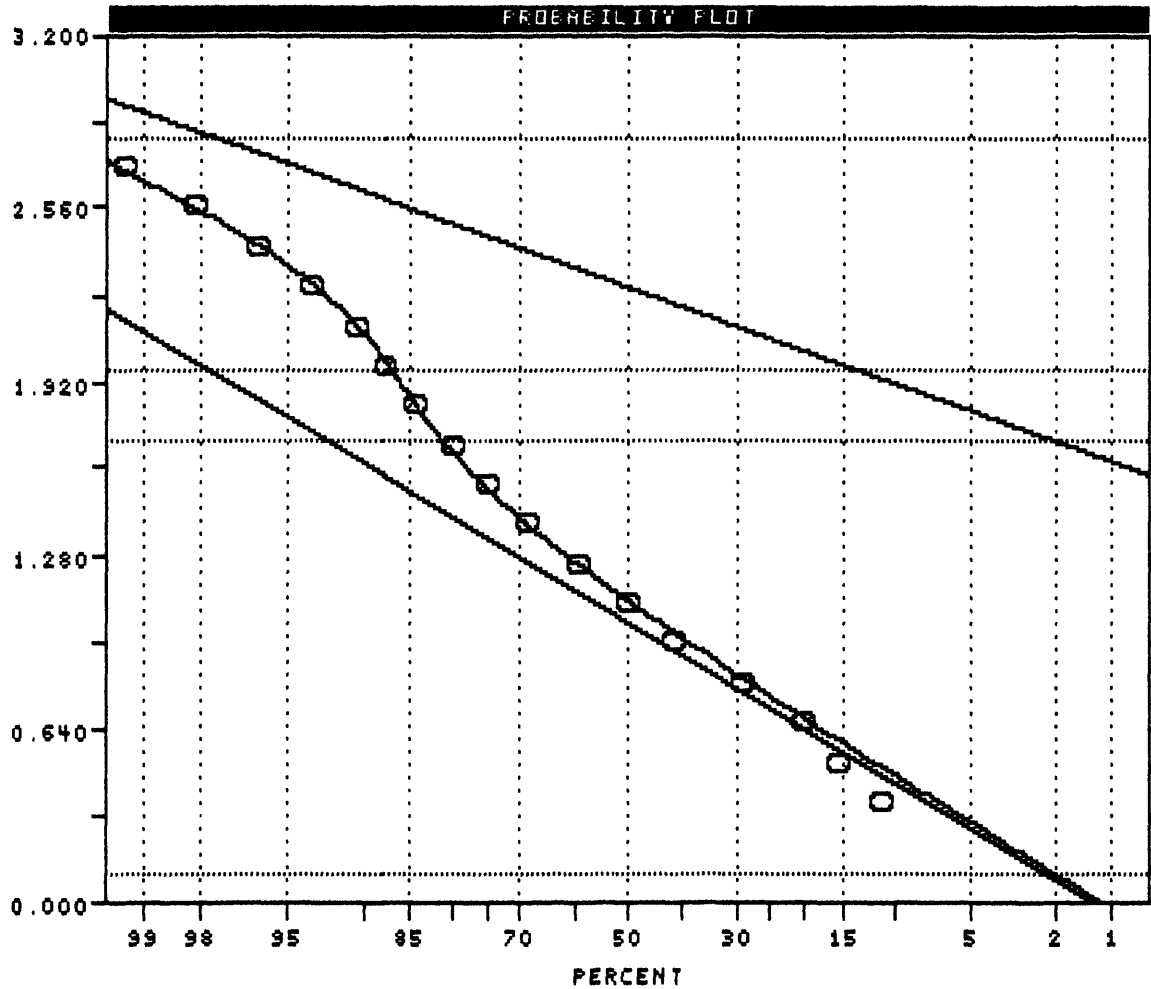
N CI = 20

POPULATIONS

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Pop.	Mean	Std.Dev.	%
1	1.0288	0.4648	87.1
2	2.2628	0.2789	12.9

Pop.	THRESHOLDS	
1	0.0991	1.9585
2	1.7051	2.8205



RAW DATA ML
PARAMETER ESTIMATES

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = As Unit = ppm N = 1294

Mean = 1.1860 Min = 0.3010 1st Quartile = 0.7782
 Std. Dev. = 0.6077 Max = 3.0849 Median = 1.1139
 CV % = 51.2385 Skewness = 0.5471 3rd Quartile = 1.5563

Anti-Log Mean = 15.346 Anti-Log Std. Dev. : (-) 3.787
 (+) 62.183

%	cum %	antilog	cls int	(# of bins = 32 - bin size = 0.0898)
0.00	0.04	1.804	0.2561	
10.90	10.93	2.218	0.3459	*****
0.00	10.93	2.727	0.4357	
4.25	15.17	3.354	0.5255	*****
4.56	19.73	4.124	0.6153	*****
4.56	24.29	5.072	0.7051	*****
4.25	28.53	6.237	0.7949	*****
4.33	32.86	7.669	0.8848	*****
8.27	41.12	9.431	0.9746	*****
5.95	47.07	11.597	1.0644	*****
6.34	53.40	14.261	1.1542	*****
5.95	59.34	17.537	1.2440	*****
5.10	64.44	21.566	1.3338	*****
4.48	68.92	26.520	1.4236	*****
4.25	73.17	32.612	1.5134	*****
3.71	76.87	40.103	1.6032	*****
2.86	79.73	49.315	1.6930	*****
3.01	82.74	60.644	1.7828	*****
2.78	85.52	74.574	1.8726	*****
1.55	87.07	91.705	1.9624	*****
2.01	89.07	112.770	2.0522	*****
1.62	90.69	138.675	2.1420	*****
2.09	92.78	170.530	2.2318	*****
1.78	94.56	209.703	2.3216	*****
1.39	95.95	257.875	2.4114	*****
1.62	97.57	317.111	2.5012	*****
0.70	98.26	389.956	2.5910	**
0.77	99.03	479.533	2.6808	***
0.15	99.19	589.687	2.7706	*
0.39	99.58	725.146	2.8604	*
0.23	99.81	891.720	2.9502	*
0.08	99.88	1096.559	3.0400	
0.08	99.96	1348.451	3.1298	

0 1 2 3 4

Each "*" represents approximately 3.6 observations.

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08:51:54

04/04/91

MT SIDNEY WILLIAMS 1988 SOIL DATA - SET 1

LOGARITHMIC VALUES

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VARIABLE = Mn

UNIT = ppm

N = 1294

N CI = 32

POPULATIONS

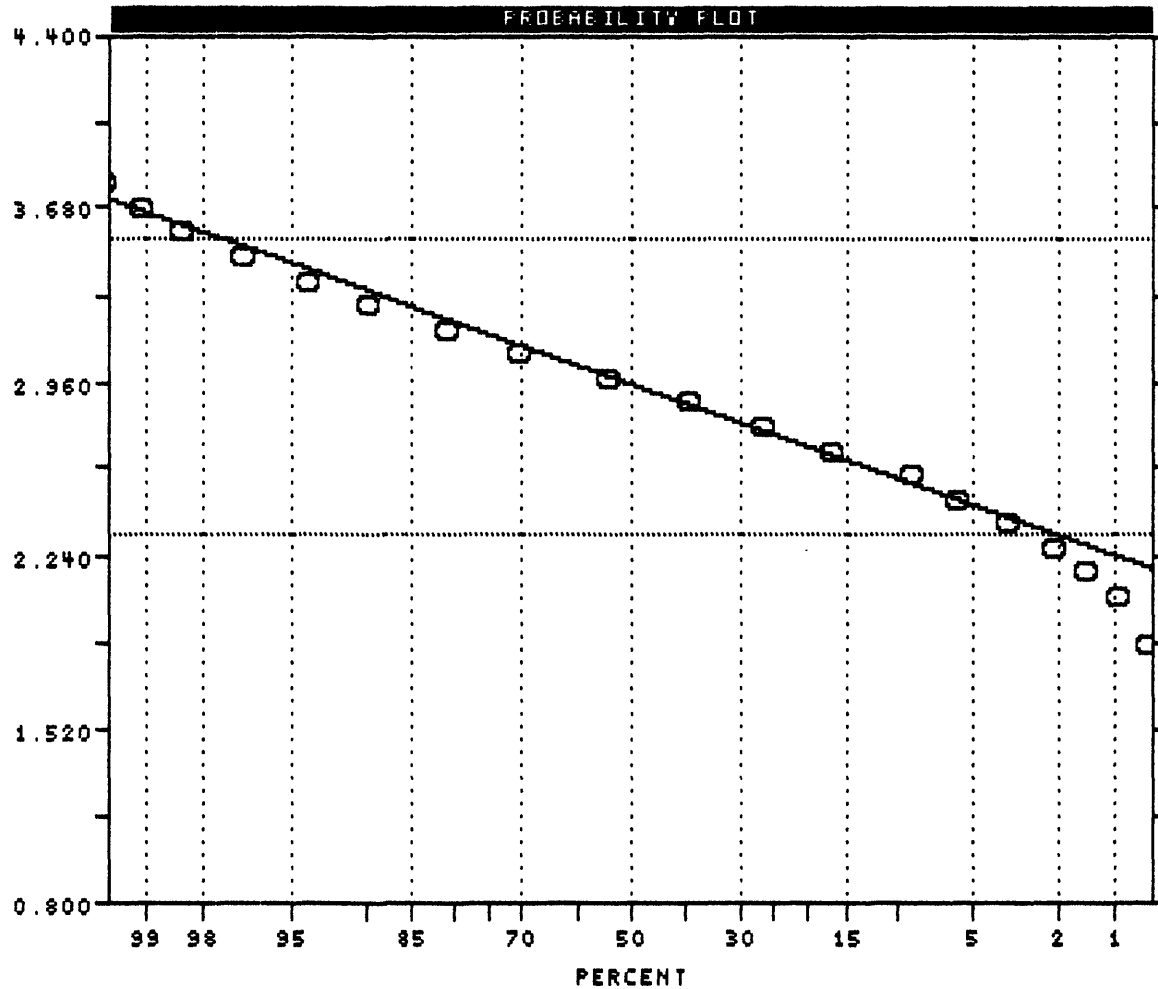
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Pop.	Mean	Std.Dev.	%
1	2.9430	0.3060	100.0

THRESHOLDS

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1	2.3309	3.5550
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USERS USUAL
PARAMETER ESTIMATES

08:42:36

04/04/91

MT SIDNEY WILLIAMS 1988 SOIL DATA - SET 1

ARITHMETIC VALUES

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VARIABLE = Ni

UNIT = ppm

N = 1294

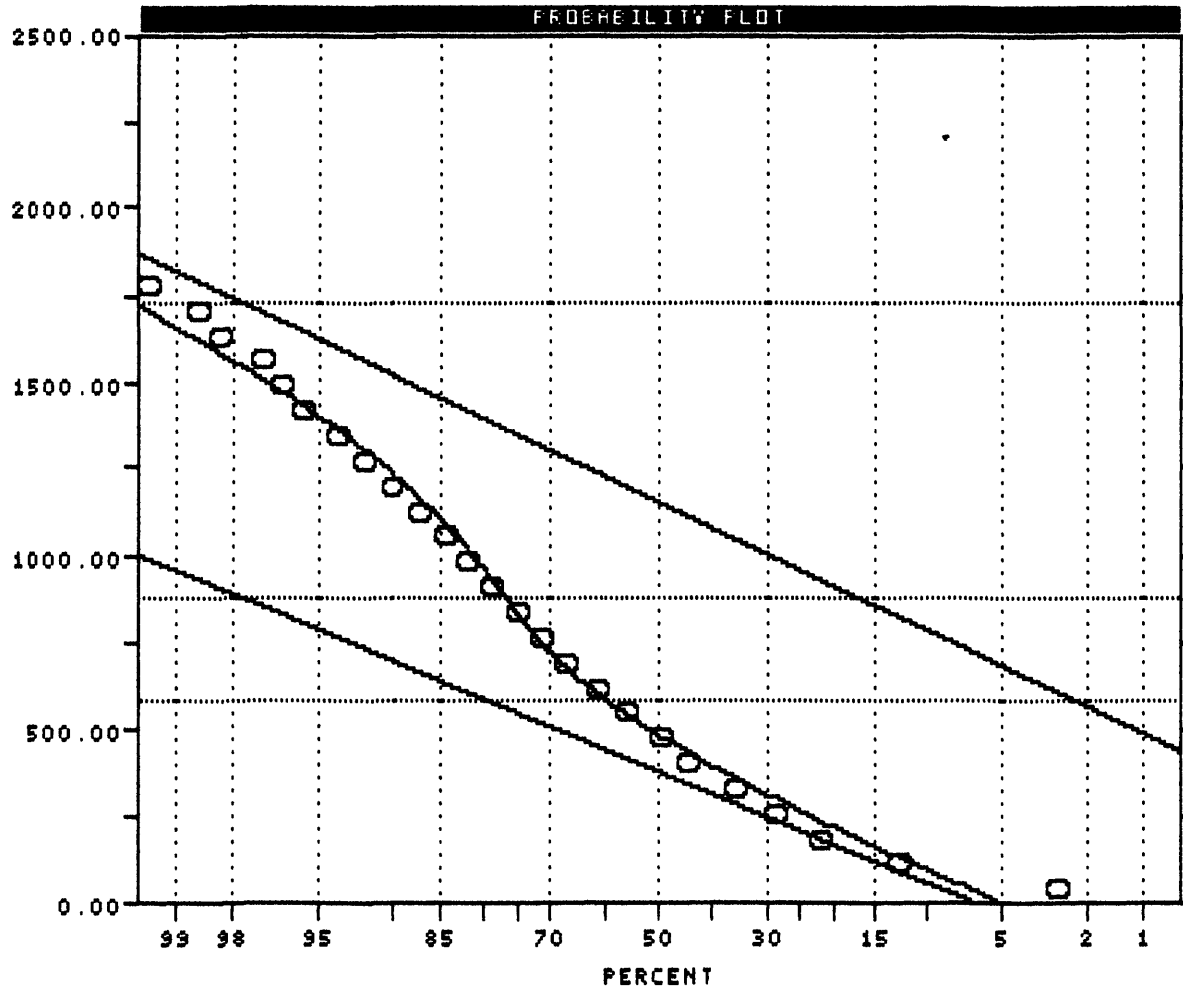
N CI = 32

POPULATIONS

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Pop.	Mean	Std.Dev.	%
1	369.577	250.917	73.7
2	1151.067	287.031	26.3

Pop.	THRESHOLDS	
1	-132.256	871.410
2	577.005	1725.129



INCOMPLETE ITERATION
PARAMETER ESTIMATES