



# REGIONAL LAKE SEDIMENT AND WATER GEOCHEMICAL DATA

NORTHERN FRASER BASIN, CENTRAL BRITISH COLUMBIA

## \*\*\* APPENDIX B – SUMMARY STATISTICS \*\*\*

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#### Notes:

- Calculations include analytical results from both the 2007 and 1995 surveys.
- Calculations ignore missing values and analytical results from the second ( $STA=20$ ) of paired field duplicate samples.
- Data reported by the labs at less than detection limit is set at half the detection limit.
- Geological sub-divisions were determined from Massey *et al.*, 2005.

## Summary Statistics

Variable	L A K E S E D I M E N T																
	Al	Sb	As	Ba	Bi	Cd	Ca	Cr	Co	Cu	Ga	Fe	La	Pb	Mg	Mn	Hg
Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppb
D.L.	0.01	0.02	0.1	0.5	0.02	0.01	0.01	0.5	0.1	0.01	0.1	0.01	0.5	0.01	0.01	1	5
Anal Mth	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS
N	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247
N > DL	2246	2235	2244	2246	1947	2246	2246	2246	2246	2247	2245	2246	2218	2185	2246	2246	2242
Missing	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
Mean	1.27	0.66	8.59	131.99	0.08	0.98	1.38	51.06	8.00	45.53	3.26	1.92	9.42	5.67	0.39	394.7	159.9
Median	1.17	0.52	5.70	109.00	0.07	0.83	1.03	45.50	7.50	42.00	3.00	1.58	8.50	5.20	0.34	260.0	140.0
Mode	1.10	0.40	3.00	17.50	0.06	0.52	0.79	29.50	6.10	25.14	2.80	0.68	11.00	0.01	0.21	209.0	60.0
Range	6.99	65.07	903.95	957.0	0.65	13.36	9.99	535.5	33.5	249.58	12.2	25.91	57.25	35.335	2.49	9999	1790
St Dev	0.76	1.59	22.52	105.59	0.06	0.77	1.57	31.51	4.28	22.80	1.97	1.90	6.11	3.62	0.24	644.40	104.43
Coef Var	0.597	2.421	2.620	0.800	0.731	0.792	1.131	0.617	0.535	0.501	0.604	0.988	0.649	0.640	0.612	1.633	0.653
Log Mean	0.006	-0.291	0.771	1.953	-1.208	-0.980	0.035	1.625	0.832	1.602	0.413	0.163	0.871	0.595	-0.488	2.418	2.113
Geo Mean	1.01	0.51	5.90	89.81	0.06	0.80	1.08	42.19	6.79	40.02	2.59	1.46	7.43	3.93	0.32	261.9	129.7
Log StDv	0.330	0.277	0.323	0.421	0.325	0.279	0.260	0.290	0.273	0.241	0.328	0.327	0.339	0.580	0.279	0.356	0.299
Log CVar	54.937	-0.954	0.420	0.216	-0.269	-2.851	7.657	0.178	0.329	0.150	0.794	2.008	0.389	0.976	-0.571	0.147	0.142
Percntls																	
Minimum	0.01	0.01	0.05	0.5	0.01	0.01	0.01	0.5	0.1	0.02	0.1	0.01	0.25	0.005	0.01	1	5
10th	0.37	0.26	2.50	21.5	0.02	0.35	0.58	18.0	3.0	21.25	0.9	0.55	2.50	1.660	0.14	100	55
20th	0.59	0.34	3.40	34.0	0.04	0.48	0.71	25.5	4.3	27.96	1.4	0.82	4.50	2.940	0.20	139	75
30th	0.79	0.40	4.20	54.0	0.04	0.60	0.81	32.0	5.4	32.75	1.9	1.06	6.00	3.770	0.24	180	95
40th	0.98	0.46	4.90	79.0	0.06	0.72	0.92	39.0	6.4	37.41	2.5	1.32	7.50	4.460	0.29	217	115
50th	1.17	0.52	5.70	109.0	0.07	0.83	1.03	45.5	7.5	42.00	3.0	1.58	8.50	5.200	0.34	260	140
60th	1.38	0.58	6.60	141.5	0.08	0.95	1.15	52.5	8.7	47.27	3.6	1.88	10.00	5.880	0.40	309	165
70th	1.62	0.66	7.70	174.0	0.10	1.09	1.30	61.0	9.8	53.11	4.2	2.17	11.50	6.770	0.47	364	195
80th	1.88	0.79	9.70	217.0	0.10	1.31	1.52	73.5	11.1	61.06	4.9	2.55	13.50	7.980	0.57	458	235
85th	2.04	0.88	11.40	241.0	0.12	1.49	1.68	81.0	12.1	66.44	5.2	2.84	14.85	8.770	0.63	542	260
90th	2.26	1.00	14.40	271.5	0.14	1.72	1.93	89.5	13.4	72.74	5.8	3.25	16.50	9.800	0.71	663	295
95th	2.60	1.26	21.00	325.5	0.18	2.12	2.71	106.5	15.6	86.31	6.8	4.22	19.00	11.980	0.84	1025	345
98th	3.12	1.92	32.30	397.0	0.24	2.83	10.00	124.5	18.5	101.80	8.1	6.27	24.50	14.760	1.04	1756	405
99th	3.47	2.46	50.60	448.0	0.30	3.23	10.00	141.5	20.6	119.20	9.1	8.64	30.00	19.040	1.16	3203	450
Maximum	7.00	65.08	904.00	957.5	0.66	13.37	10.00	536.0	33.6	249.60	12.3	25.92	57.50	35.340	2.50	10000	1795

## Summary Statistics

Variable	L A K E S E D I M E N T																	
	Mo	Ni	P	K	Sc	Se	Ag	Na	Sr	S	Te	Tl	Th	Ti	W	U	V	Zn
	ppm	ppm	%	%	ppm	ppm	ppb	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
D.L.	0.01	0.1	0.001	0.01	0.1	0.1	2	0.001	0.5	0.01	0.02	0.02	0.1	0.001	0.1	0.1	2	0.1
Anal Mth	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS
N	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247
N > DL	2243	2246	2246	1967	2240	2246	2247	2247	2246	2246	1413	2125	1953	2243	88	2238	2226	2246
Missing	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
Mean	4.33	52.47	0.14	0.06	4.18	3.25	398.5	0.03	61.24	0.66	0.04	0.11	0.89	0.02	0.06	2.36	41.5	108.31
Median	2.74	39.70	0.10	0.04	3.60	2.00	340.0	0.03	50.50	0.44	0.04	0.10	0.50	0.02	0.05	1.30	38.0	101.50
Mode	2.04	29.50	0.08	0.02	1.30	1.40	280.0	0.03	45.00	0.28	0.04	0.10	0.20	0.01	0.05	0.80	28.0	107.70
Range	268.79	809.2	3.666	9.995	26.6	83.2	4082	0.075	1686.5	4.53	0.33	0.61	21.95	0.989	1.15	155.2	183	2298.9
St Dev	8.35	49.34	0.18	0.37	3.05	4.57	276.08	0.01	66.90	0.59	0.03	0.06	1.30	0.03	0.07	5.94	23.14	69.22
Coef Var	1.926	0.940	1.232	6.074	0.729	1.408	0.693	0.238	1.092	0.892	0.663	0.579	1.457	1.646	1.175	2.517	0.558	0.639
Log Mean	0.452	1.600	-0.970	-1.451	0.497	0.338	2.502	-1.471	1.715	-0.313	-1.495	-1.038	-0.302	-1.840	-1.262	0.136	1.535	1.981
Geo Mean	2.83	39.81	0.11	0.04	3.14	2.18	317.9	0.03	51.90	0.49	0.03	0.09	0.50	0.01	0.05	1.37	34.3	95.75
Log StDv	0.378	0.323	0.294	0.368	0.359	0.354	0.317	0.095	0.212	0.337	0.303	0.293	0.483	0.334	0.165	0.386	0.306	0.227
Log CVar	0.836	0.202	-0.304	-0.253	0.723	1.046	0.127	-0.065	0.124	-1.079	-0.203	-0.282	-1.600	-0.182	-0.131	2.838	0.199	0.115
Percntls																		
Minimum	0.01	0.1	0.001	0.005	0.1	0.1	10	0.005	0.5	0.01	0.01	0.01	0.05	0.001	0.05	0.1	1	0.1
10th	1.11	16.0	0.053	0.010	1.0	0.8	140	0.026	32.0	0.20	0.01	0.04	0.10	0.005	0.05	0.5	16	52.2
20th	1.49	22.9	0.067	0.020	1.6	1.2	180	0.029	37.5	0.26	0.02	0.06	0.20	0.007	0.05	0.7	22	66.6
30th	1.86	28.7	0.077	0.030	2.2	1.4	240	0.030	42.5	0.32	0.02	0.08	0.30	0.010	0.05	0.9	28	79.3
40th	2.22	33.6	0.088	0.030	2.8	1.7	280	0.032	46.5	0.38	0.04	0.08	0.40	0.012	0.05	1.1	32	90.9
50th	2.74	39.7	0.097	0.040	3.6	2.0	340	0.033	50.5	0.44	0.04	0.10	0.50	0.015	0.05	1.3	38	101.5
60th	3.29	46.3	0.112	0.050	4.3	2.4	400	0.035	54.5	0.54	0.04	0.12	0.70	0.018	0.05	1.5	44	113.4
70th	4.05	56.5	0.130	0.060	5.2	2.9	480	0.037	60.0	0.70	0.04	0.14	0.90	0.022	0.05	1.9	52	124.6
80th	5.41	71.7	0.170	0.070	6.3	3.9	560	0.039	67.0	0.96	0.06	0.16	1.20	0.028	0.05	2.6	58	139.1
85th	6.44	84.2	0.197	0.074	7.0	4.9	620	0.041	72.5	1.18	0.06	0.18	1.50	0.032	0.05	3.2	64	149.1
90th	8.14	102.4	0.236	0.090	8.0	6.3	720	0.044	82.0	1.42	0.08	0.20	1.80	0.038	0.05	4.1	72	164.6
95th	11.93	130.4	0.345	0.110	9.8	9.9	893	0.050	105.0	1.90	0.08	0.22	3.00	0.048	0.10	6.9	86	194.9
98th	19.44	177.0	0.980	0.160	12.1	16.5	1180	0.059	224.0	2.48	0.10	0.26	4.40	0.065	0.30	12.1	100	245.2
99th	28.00	228.8	0.990	0.190	14.2	21.0	1320	0.066	359.0	2.74	0.12	0.30	5.60	0.075	0.40	18.4	108	274.7
Maximum	268.80	809.3	3.667	10.000	26.7	83.3	4092	0.080	1687.0	4.54	0.34	0.62	22.00	0.990	1.20	155.3	184	2299.0

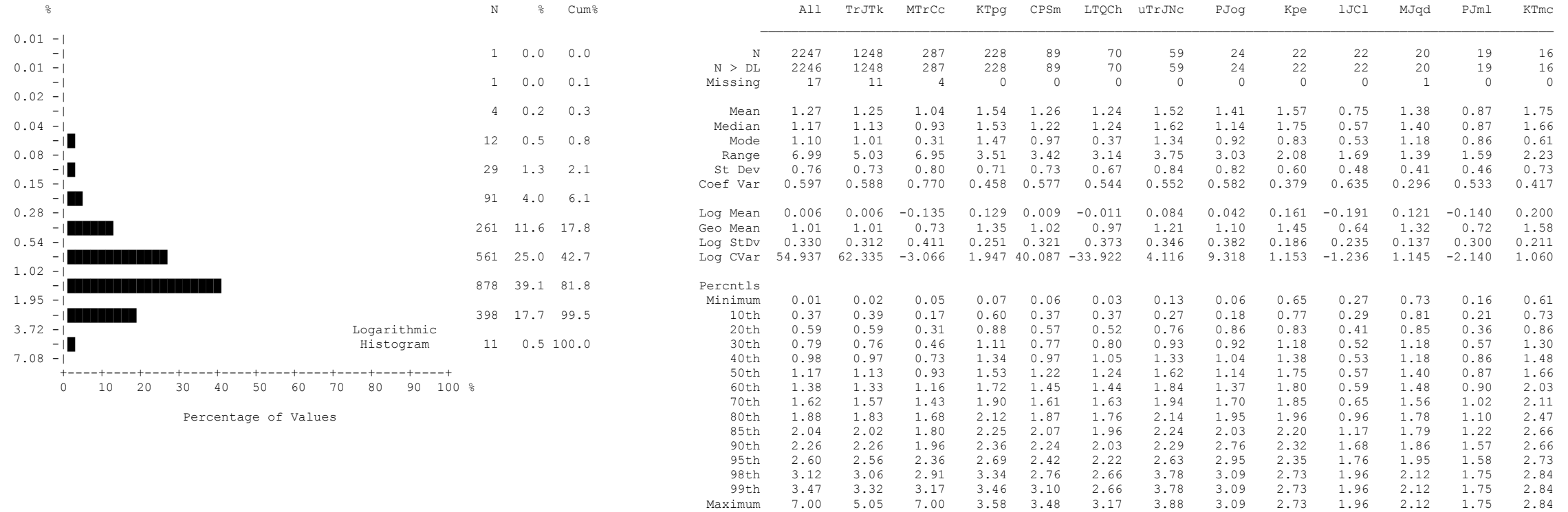
## Summary Statistics

Variable	L A K E S E D I M E N T																	
	Sb	As	Ba	Br	Ce	Cs	Cr	Co	Eu	Au	Hf	Fe	La	Lu	Mo	Rb	Sm	Sc
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
D.L.	0.1	0.5	50	0.5	5	0.5	20	5	1	2	1	0.2	2	0.2	1	5	0.1	0.2
Anal Mth	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
N	2264	2264	2264	2264	2264	2264	2264	2264	2264	2264	2264	2264	2264	2264	2264	2264	2264	2264
N > DL	2255	2258	2250	2264	2108	1821	2150	1894	331	1206	983	2247	2153	905	1664	1834	2249	2263
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	1.21	8.69	426.6	38.07	26.69	1.39	91.7	10.93	0.84	3.2	1.50	2.52	13.7	0.22	4.60	20.09	3.13	11.24
Median	1.00	5.50	390.0	35.00	26.00	1.20	82.0	11.00	0.50	3.0	1.00	2.20	13.0	0.20	3.00	17.00	3.10	11.00
Mode	0.90	10.00	280.0	35.00	2.50	0.25	110.0	2.50	0.50	1.0	0.50	1.40	14.0	0.10	0.50	2.50	3.40	10.00
Range	83.8	900.75	2375	159.5	207.5	8.55	770	41.5	4.5	24	6.5	29.8	84	1.3	321.5	107.5	16.2	37.9
St Dev	2.11	22.75	238.57	21.79	15.73	1.03	58.92	5.78	0.58	2.51	1.12	2.23	8.00	0.14	9.66	15.60	1.70	5.48
Coef Var	1.735	2.616	0.559	0.573	0.589	0.738	0.642	0.528	0.687	0.791	0.749	0.884	0.582	0.629	2.102	0.776	0.543	0.487
Log Mean	0.004	0.766	2.553	1.497	1.327	0.018	1.869	0.964	-0.148	0.367	0.056	0.293	1.047	-0.743	0.407	1.138	0.410	0.982
Geo Mean	1.01	5.83	356.9	31.42	21.24	1.04	74.0	9.21	0.71	2.3	1.14	1.96	11.1	0.18	2.55	13.76	2.57	9.60
Log StDv	0.234	0.330	0.281	0.297	0.339	0.354	0.311	0.277	0.227	0.347	0.324	0.316	0.322	0.261	0.462	0.424	0.317	0.278
Log CVar	77.902	0.431	0.110	0.198	0.255	19.666	0.166	0.287	-1.547	0.946	5.896	1.077	0.307	-0.351	1.139	0.372	0.775	0.284
Percntls																		
Minimum	0.1	0.25	25	1.5	2.5	0.25	10	2.5	0.5	1	0.5	0.1	1	0.1	0.5	2.5	0.1	0.1
10th	0.6	2.50	150	13.0	8.0	0.25	31	2.5	0.5	1	0.5	0.8	4	0.1	0.5	2.5	1.0	4.2
20th	0.7	3.30	220	19.0	13.0	0.60	46	6.0	0.5	1	0.5	1.2	7	0.1	1.0	6.0	1.6	6.4
30th	0.8	4.00	270	25.0	18.0	0.80	57	8.0	0.5	1	0.5	1.5	9	0.1	2.0	10.0	2.1	8.1
40th	0.9	4.70	330	30.0	22.0	1.00	70	9.0	0.5	1	1.0	1.8	11	0.1	2.0	14.0	2.6	10.0
50th	1.0	5.50	390	35.0	26.0	1.20	82	11.0	0.5	3	1.0	2.2	13	0.2	3.0	17.0	3.1	11.0
60th	1.1	6.50	450	40.0	30.0	1.50	96	12.0	0.5	4	2.0	2.5	15	0.2	4.0	21.0	3.5	12.0
70th	1.3	7.70	530	46.0	34.0	1.70	110	14.0	1.0	4	2.0	2.9	17	0.3	4.0	25.0	4.0	14.0
80th	1.4	10.00	630	53.4	38.0	2.00	130	15.0	1.0	5	2.0	3.4	20	0.3	6.0	32.0	4.5	16.0
85th	1.6	12.00	680	58.9	41.0	2.30	150	17.0	1.0	6	3.0	3.7	21	0.4	7.0	36.0	4.8	17.0
90th	1.8	15.00	740	66.8	45.0	2.60	160	18.0	2.0	6	3.0	4.3	22	0.4	9.0	41.0	5.2	18.0
95th	2.3	22.00	850	79.0	51.0	3.30	190	21.0	2.0	8	4.0	5.4	26	0.4	14.0	50.0	5.9	20.5
98th	3.4	34.00	970	92.5	63.0	4.20	240	24.0	2.0	10	4.0	7.5	32	0.5	22.0	60.0	6.8	23.6
99th	4.2	48.00	1100	104.0	73.0	4.90	270	26.0	2.0	11	5.0	10.0	39	0.6	31.0	68.0	7.7	25.0
Maximum	83.9	901.00	2400	161.0	210.0	8.80	780	44.0	5.0	25	7.0	29.9	85	1.4	322.0	110.0	16.3	38.0

## Summary Statistics

Variable	L A K E   S E D I M E N T								W A T E R				
	Na	Ta	Tb	Th	W	U	Yb	F	LOI	FW	CND	PH	
Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppb	uS		
D.L.	0.02	0.5	0.5	0.2	1	0.2	2	10	0.1	20	1	0.1	
Anal Mth	INAA	INAA	INAA	INAA	INAA	INAA	INAA	ION	GRAV	ION	ISE	ISE	
N	2264	2264	2264	2264	2264	2264	2264	2264	2264	2264	1851	2264	
N > DL	2262	259	722	2238	154	2244	319	2264	2264	2254	1851	2264	
Missing	0	0	0	0	0	0	0	0	0	0	413	0	
Mean	0.54	0.31	0.42	2.80	0.66	2.84	1.5	200.2	49.69	50.5	83.4	7.51	
Median	0.39	0.25	0.25	2.60	0.50	1.90	1.0	190.0	49.60	45.0	69.0	7.50	
Mode	1.10	0.25	0.25	3.00	0.50	1.80	1.0	180.0	43.90	40.0	4.0	7.80	
Range	2.82	1.25	1.95	30.7	3.5	165.9	8	540	91.9	880	488	3.96	
St Dev	0.46	0.16	0.24	1.84	0.45	5.95	0.83	77.42	17.47	30.52	64.18	0.48	
Coef Var	0.844	0.522	0.579	0.656	0.684	2.099	0.553	0.387	0.352	0.605	0.770	0.065	
Log Mean	-0.418	-0.541	-0.435	0.352	-0.232	0.278	0.129	2.269	1.662	1.670	1.766	0.875	
Geo Mean	0.38	0.29	0.37	2.25	0.59	1.90	1.3	186.0	45.92	46.8	58.3	7.49	
Log StDv	0.378	0.153	0.218	0.323	0.175	0.344	0.193	0.169	0.189	0.152	0.417	0.028	
Log CVar	-0.905	-0.283	-0.501	0.919	-0.754	1.237	1.492	0.074	0.114	0.091	0.236	0.032	
Percntls													
Minimum	0.02	0.25	0.25	0.1	0.5	0.1	1	50	2.2	20	3	5.60	
10th	0.12	0.25	0.25	0.9	0.5	0.8	1	110	26.6	32	15	6.89	
20th	0.18	0.25	0.25	1.3	0.5	1.1	1	130	34.9	36	29	7.10	
30th	0.25	0.25	0.25	1.8	0.5	1.4	1	150	40.4	40	42	7.27	
40th	0.32	0.25	0.25	2.2	0.5	1.6	1	170	45.0	42	56	7.40	
50th	0.39	0.25	0.25	2.6	0.5	1.9	1	190	49.6	45	69	7.50	
60th	0.49	0.25	0.25	3.0	0.5	2.1	1	210	54.2	48	83	7.63	
70th	0.63	0.25	0.60	3.4	0.5	2.5	2	230	59.0	52	103	7.75	
80th	0.84	0.25	0.60	3.9	0.5	3.1	2	260	64.9	58	129	7.90	
85th	1.00	0.25	0.70	4.2	1.0	3.8	2	280	68.6	63	148	8.00	
90th	1.20	0.60	0.80	4.7	1.0	4.7	3	310	73.2	71	171	8.10	
95th	1.50	0.70	0.90	5.4	2.0	7.1	3	340	79.3	90	209	8.25	
98th	1.80	0.80	1.00	7.2	2.0	11.0	4	390	83.8	110	259	8.50	
99th	2.03	1.00	1.10	9.2	3.0	19.0	4	440	86.9	130	293	8.72	
Maximum	2.84	1.50	2.20	30.8	4.0	166.0	9	590	94.1	900	491	9.56	

## Summary Statistics

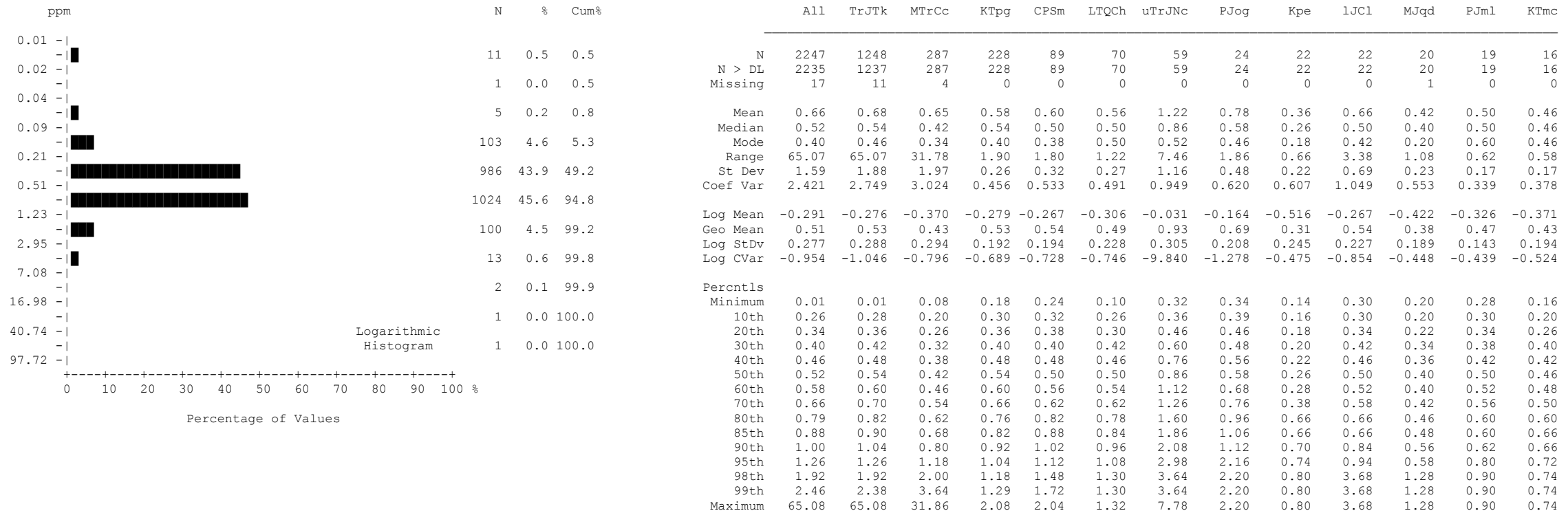


### Aluminum (Al) Lake Sediment

number of values : 2247  
 units : %  
 detection limit : 0.01  
 analytical method : ICPMS

## Aluminum by ICPMS

## Summary Statistics

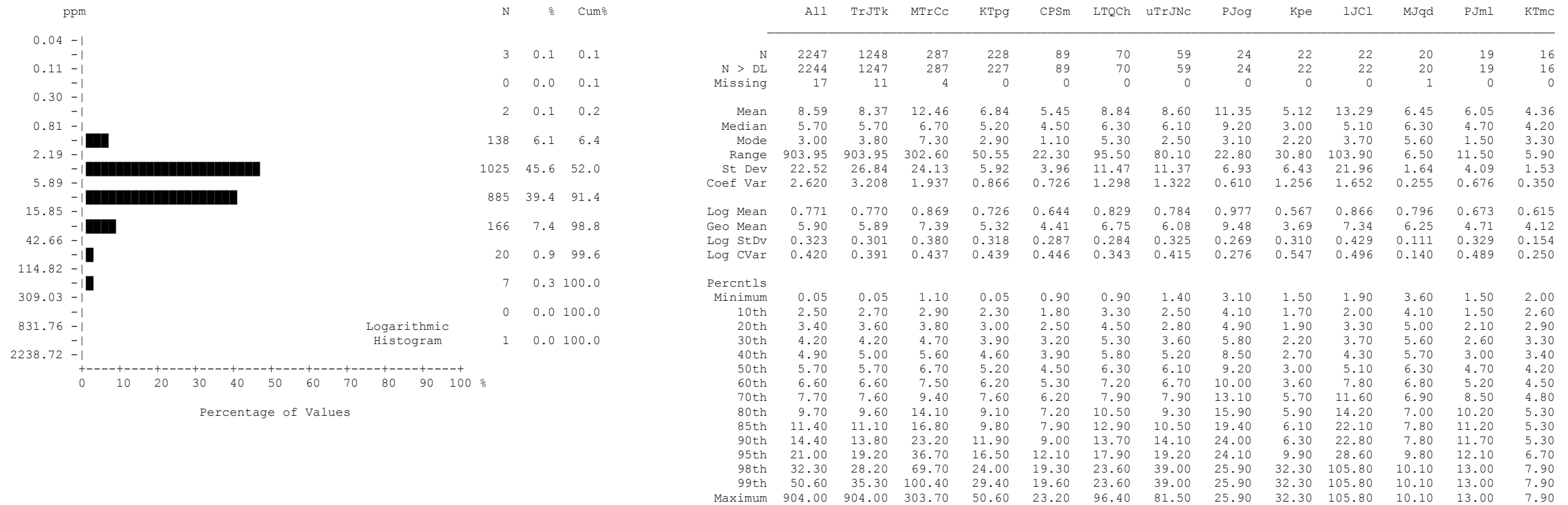


### Antimony (Sb) Lake Sediment

number of values : 2247  
 units : ppm  
 detection limit : 0.02  
 analytical method : ICPMS

### Antimony by ICPMS

## Summary Statistics



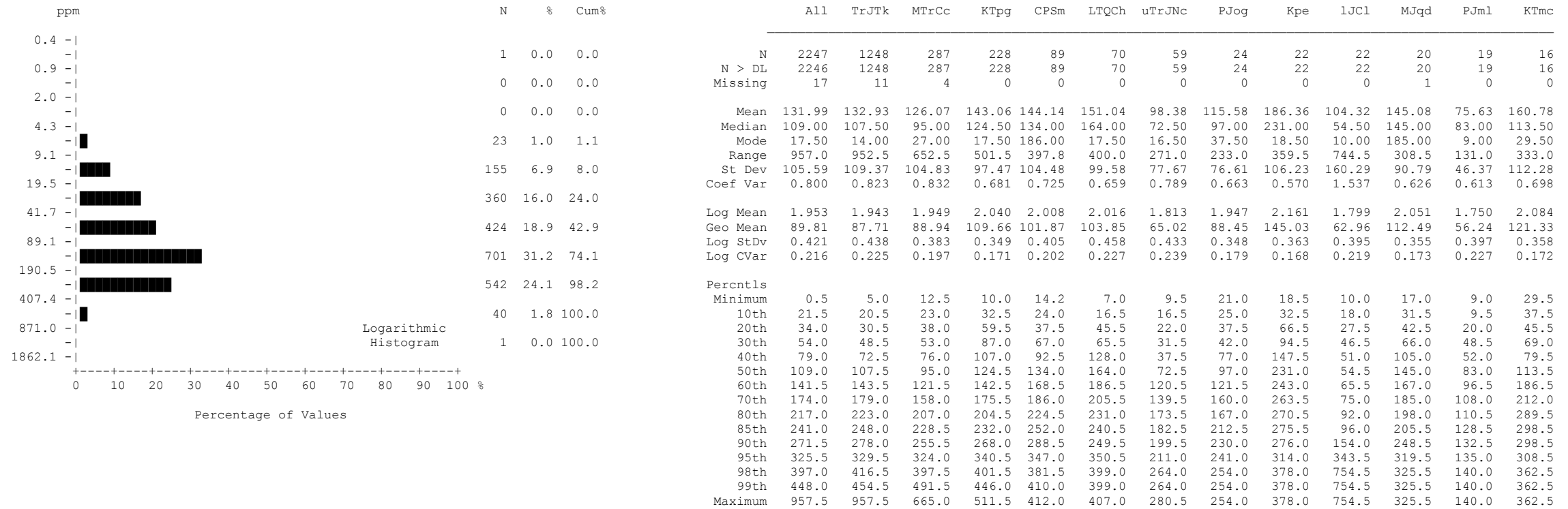
### Arsenic (As) Lake Sediment

number of values : 2247  
 units : ppm  
 detection limit : 0.1  
 analytical method : ICPMS

### Arsenic by ICPMS



## Summary Statistics

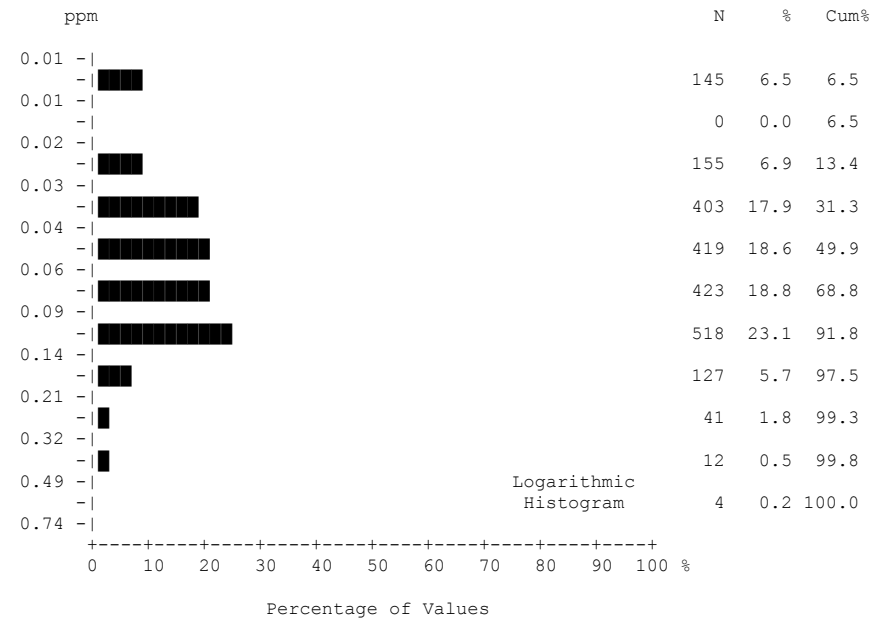


**Barium (Ba)**  
**Lake Sediment**

number of values : 2247  
 units : ppm  
 detection limit : 0.5  
 analytical method : ICPMS

## Barium by ICPMS

## Summary Statistics

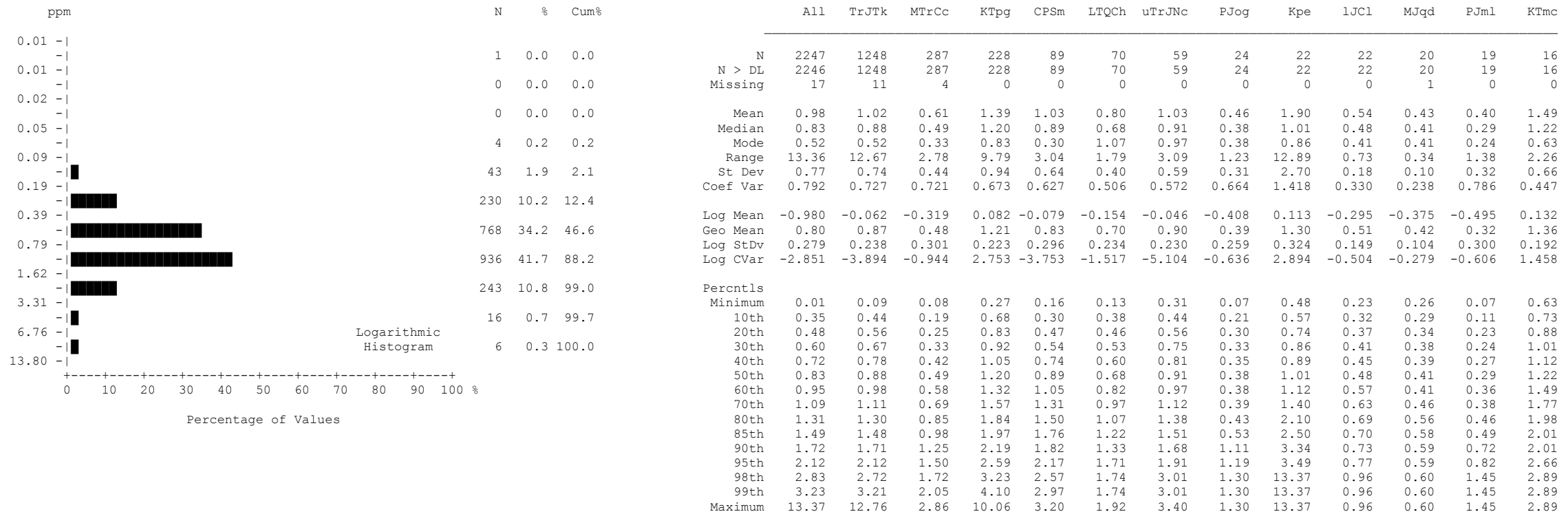


	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2247	1248	287	228	89	70	59	24	22	22	20	19	16
N > DL	1947	1075	231	208	77	65	53	21	20	15	19	16	16
Missing	17	11	4	0	0	0	0	0	0	0	1	0	0
Mean	0.08	0.07	0.07	0.09	0.07	0.08	0.10	0.09	0.14	0.05	0.05	0.07	0.19
Median	0.07	0.06	0.06	0.08	0.06	0.08	0.10	0.08	0.12	0.04	0.06	0.06	0.10
Mode	0.06	0.04	0.06	0.06	0.04	0.06	0.10	0.06	0.06	0.04	0.04	0.06	0.08
Range	0.65	0.55	0.19	0.45	0.21	0.21	0.29	0.17	0.30	0.13	0.06	0.15	0.60
St Dev	0.06	0.05	0.04	0.07	0.05	0.04	0.06	0.05	0.09	0.04	0.02	0.04	0.18
Coef Var	0.731	0.681	0.621	0.745	0.652	0.519	0.615	0.581	0.626	0.783	0.307	0.542	0.944
Log Mean	-1.208	-1.224	-1.267	-1.134	-1.234	-1.188	-1.106	-1.169	-0.966	-1.450	-1.297	-1.259	-0.850
Geo Mean	0.06	0.06	0.05	0.07	0.06	0.06	0.08	0.07	0.11	0.04	0.05	0.06	0.14
Log StDv	0.325	0.311	0.353	0.328	0.330	0.261	0.352	0.342	0.332	0.323	0.147	0.325	0.329
Log CVar	-0.269	-0.254	-0.278	-0.289	-0.267	-0.220	-0.318	-0.292	-0.344	-0.223	-0.113	-0.258	-0.387
Percentls													
Minimum	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.01	0.06
10th	0.02	0.02	0.01	0.04	0.02	0.03	0.02	0.01	0.02	0.01	0.04	0.01	0.08
20th	0.04	0.04	0.03	0.04	0.04	0.04	0.06	0.04	0.06	0.02	0.04	0.04	0.08
30th	0.04	0.04	0.04	0.06	0.04	0.06	0.06	0.06	0.06	0.02	0.04	0.06	0.08
40th	0.06	0.06	0.06	0.06	0.06	0.06	0.08	0.06	0.06	0.11	0.04	0.06	0.08
50th	0.07	0.06	0.06	0.08	0.06	0.08	0.10	0.08	0.12	0.04	0.06	0.06	0.10
60th	0.08	0.08	0.08	0.08	0.08	0.08	0.10	0.08	0.14	0.04	0.06	0.06	0.12
70th	0.10	0.08	0.08	0.10	0.08	0.10	0.12	0.10	0.14	0.04	0.06	0.08	0.15
80th	0.10	0.10	0.12	0.12	0.10	0.10	0.14	0.12	0.22	0.06	0.06	0.10	0.30
85th	0.12	0.12	0.12	0.16	0.12	0.12	0.16	0.14	0.24	0.08	0.06	0.10	0.46
90th	0.14	0.12	0.14	0.18	0.12	0.12	0.16	0.16	0.24	0.08	0.08	0.10	0.46
95th	0.18	0.16	0.14	0.24	0.18	0.14	0.20	0.18	0.30	0.14	0.08	0.10	0.48
98th	0.24	0.20	0.16	0.30	0.20	0.18	0.26	0.18	0.32	0.14	0.08	0.16	0.66
99th	0.30	0.24	0.18	0.34	0.22	0.18	0.26	0.18	0.32	0.14	0.08	0.16	0.66
Maximum	0.66	0.56	0.20	0.46	0.22	0.22	0.30	0.18	0.32	0.14	0.08	0.16	0.66

**Bismuth (Bi)**  
**Lake Sediment**  
 number of values : 2247  
 units : ppm  
 detection limit : 0.02  
 analytical method : ICPMS

**Bismuth by ICPMS**

## Summary Statistics

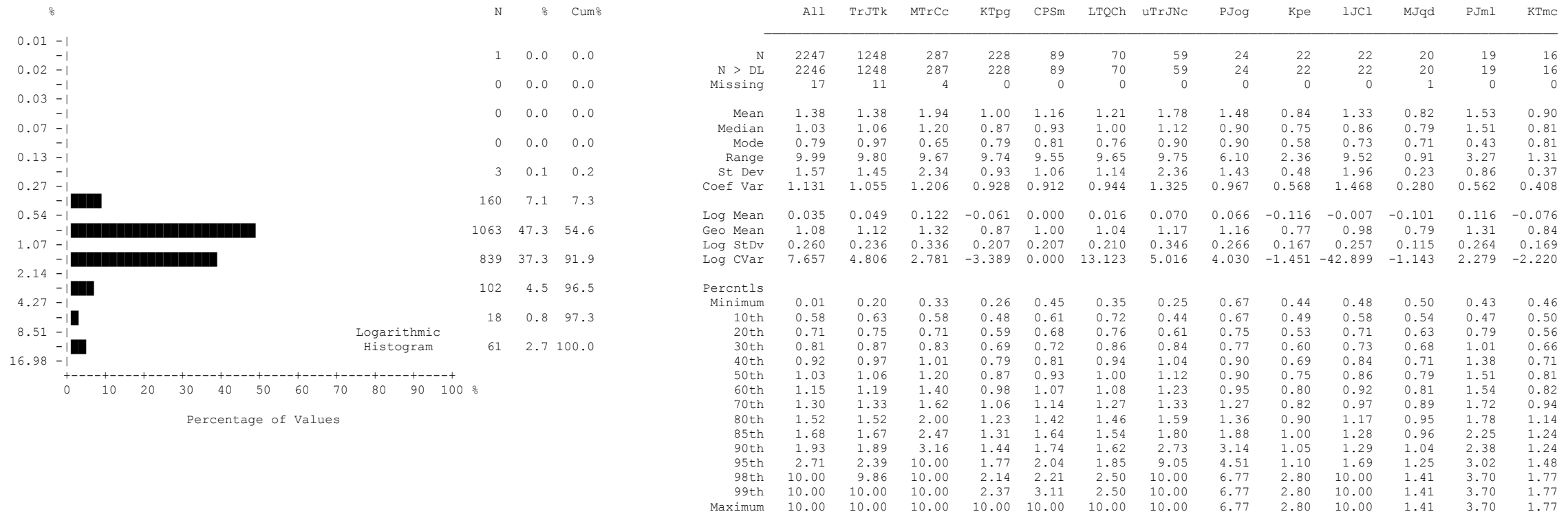


**Cadmium (Cd)**  
**Lake Sediment**

number of values : 2247  
 units : ppm  
 detection limit : 0.01  
 analytical method : ICPMS

## Cadmium by ICPMS

## Summary Statistics

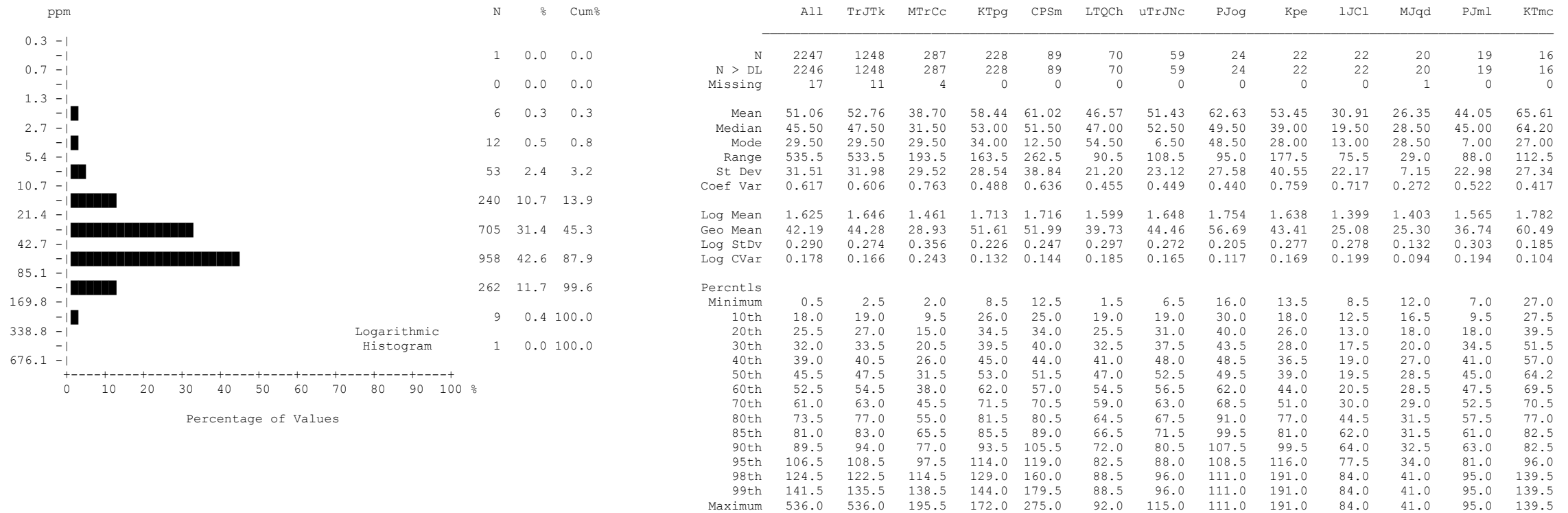


**Calcium (Ca)**  
**Lake Sediment**

number of values : 2247  
 units : %  
 detection limit : 0.01  
 analytical method : ICPMS

## Calcium by ICPMS

## Summary Statistics

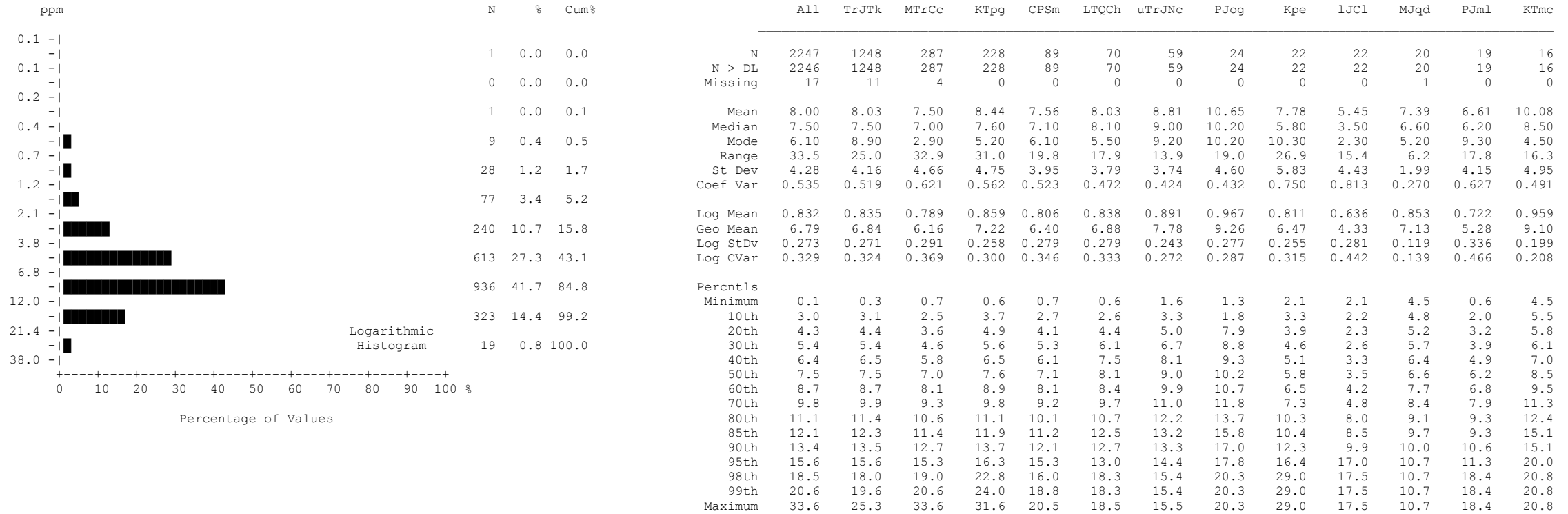


### Chromium (Cr) Lake Sediment

number of values : 2247  
 units : ppm  
 detection limit : 0.5  
 analytical method : ICPMS

## Chromium by ICPMS

## Summary Statistics

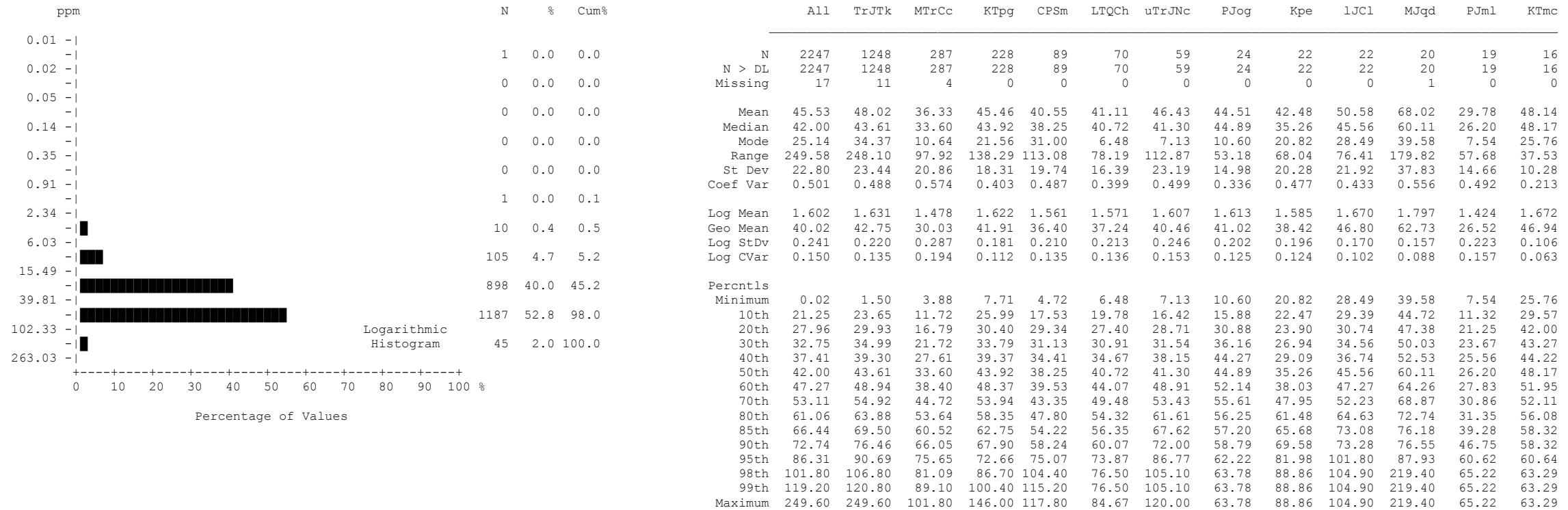


**Cobalt (Co)**  
**Lake Sediment**

number of values : 2247  
units : ppm  
detection limit : 0.1  
analytical method : ICPMS

## Cobalt by ICPMS

## Summary Statistics

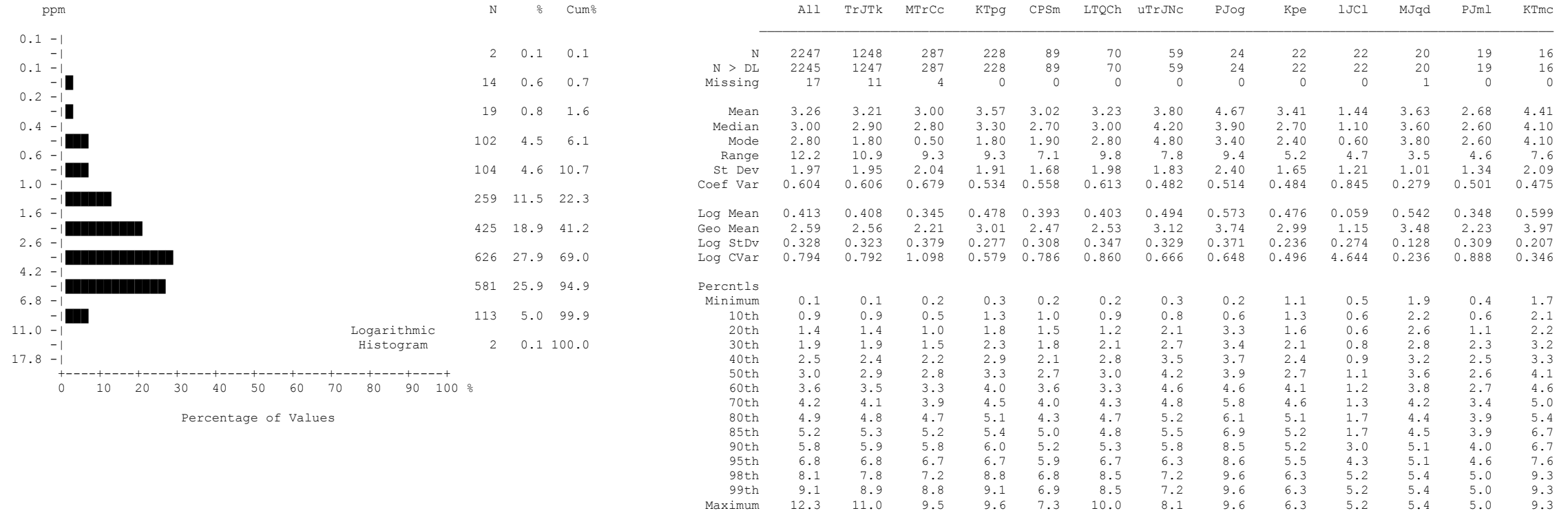


**Copper (Cu)**  
**Lake Sediment**

number of values : 2247  
 units : ppm  
 detection limit : 0.01  
 analytical method : ICPMS

## Copper by ICPMS

## Summary Statistics



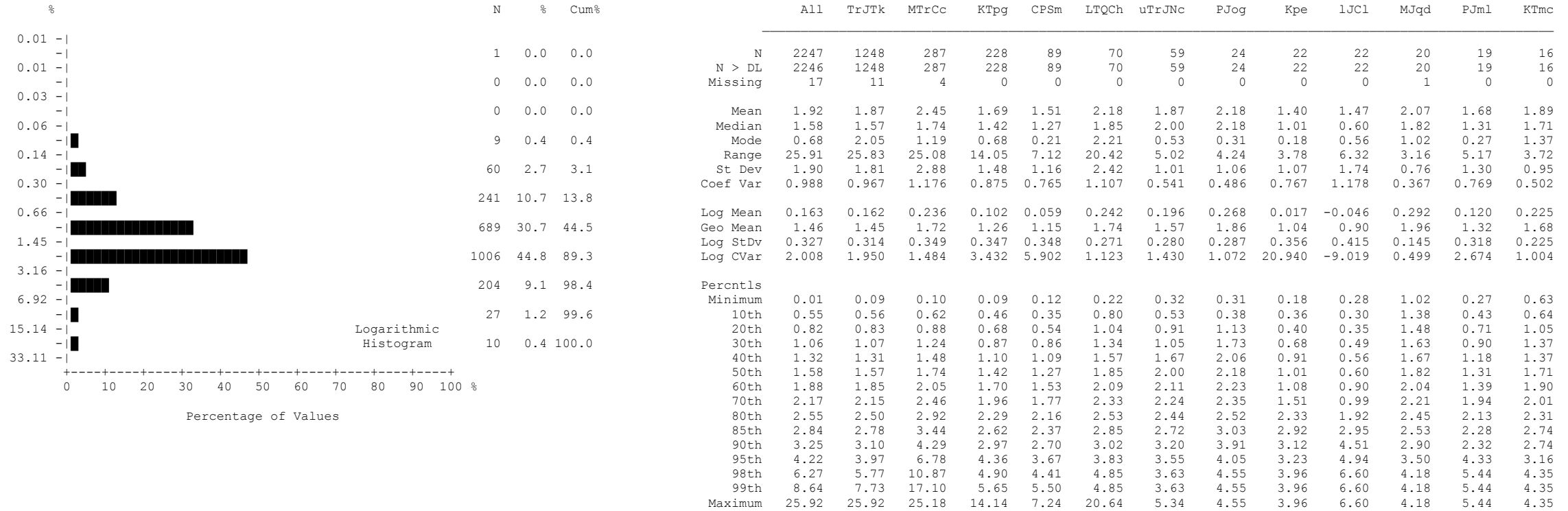
### Gallium (Ga) Lake Sediment

number of values : 2247  
 units : ppm  
 detection limit : 0.1  
 analytical method : ICPMS

## Gallium by ICPMS



## Summary Statistics

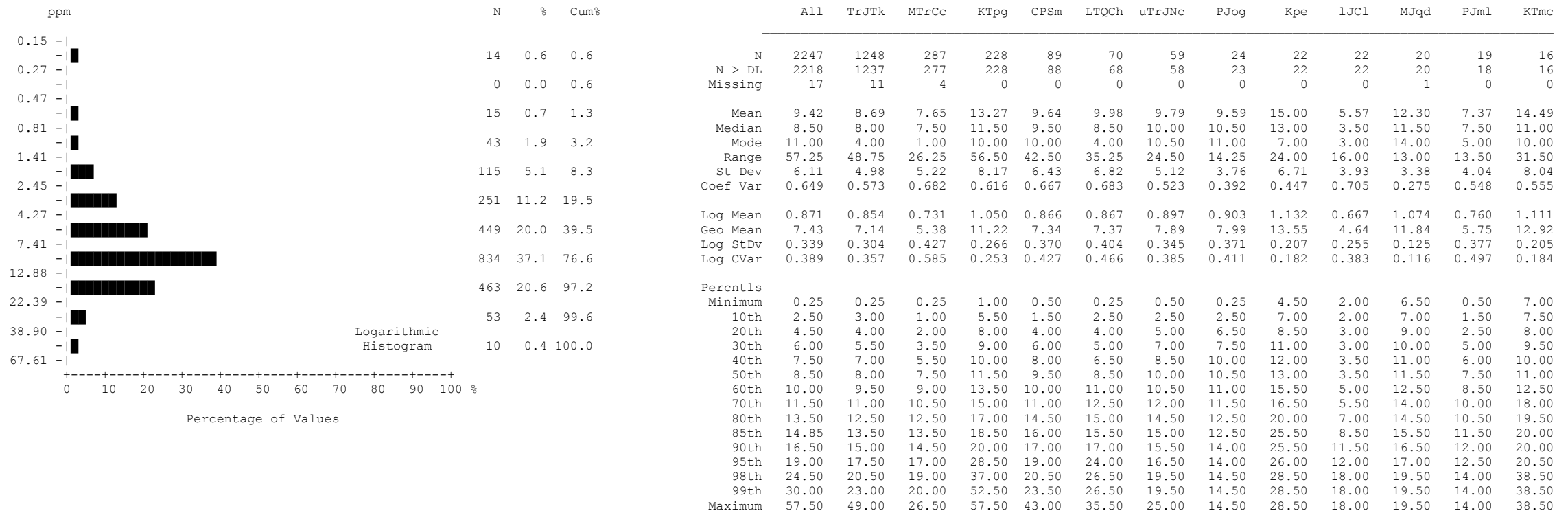


**Iron (Fe)**  
**Lake Sediment**

number of values : 2247  
 units : %  
 detection limit : 0.01  
 analytical method : ICPMS

**Iron by ICPMS**

## Summary Statistics

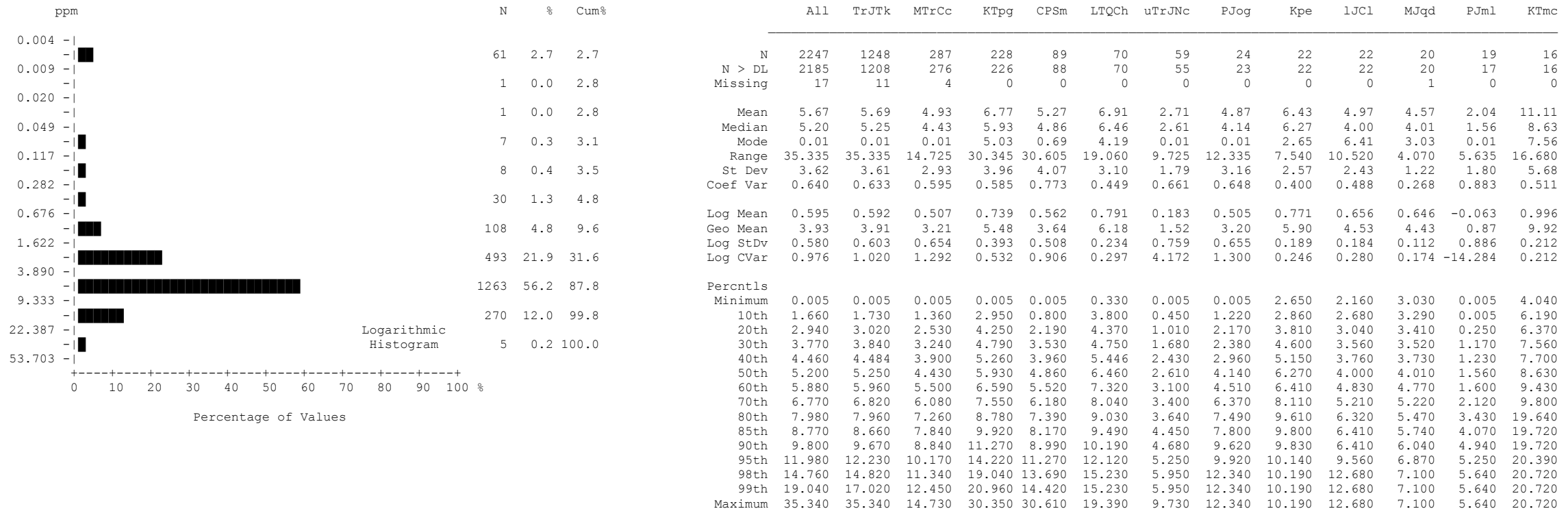


### Lanthanum (La) Lake Sediment

number of values : 2247  
 units : ppm  
 detection limit : 0.5  
 analytical method : ICPMS

### Lanthanum by ICPMS

## Summary Statistics

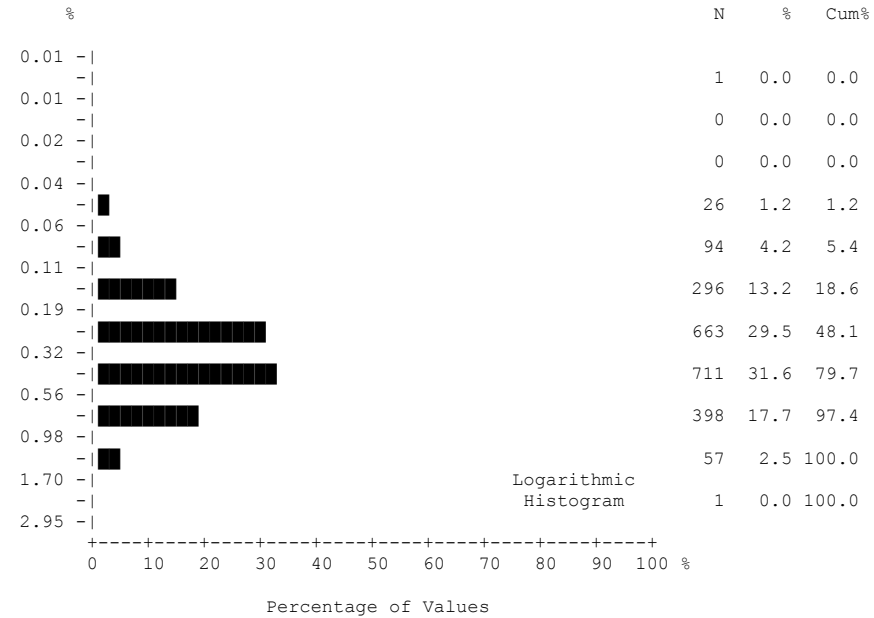


**Lead (Pb)**  
**Lake Sediment**

number of values : 2247  
units : ppm  
detection limit : 0.01  
analytical method : ICPMS

**Lead by ICPMS**

## Summary Statistics



	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2247	1248	287	228	89	70	59	24	22	22	20	19	16
N > DL	2246	1248	287	228	89	70	59	24	22	22	20	19	16
Missing	17	11	4	0	0	0	0	0	0	0	1	0	0
Mean	0.39	0.41	0.40	0.35	0.32	0.41	0.38	0.58	0.29	0.23	0.37	0.28	0.45
Median	0.34	0.35	0.35	0.30	0.26	0.37	0.35	0.51	0.22	0.14	0.34	0.22	0.41
Mode	0.21	0.21	0.26	0.12	0.24	0.30	0.25	0.47	0.15	0.07	0.34	0.17	0.11
Range	2.49	1.47	2.44	0.96	1.28	0.86	0.65	1.18	0.60	0.85	0.32	0.32	0.75
St Dev	0.24	0.25	0.23	0.23	0.22	0.20	0.16	0.29	0.19	0.23	0.10	0.10	0.22
Coef Var	0.612	0.612	0.575	0.640	0.681	0.495	0.428	0.506	0.643	0.985	0.270	0.375	0.485
Log Mean	-0.488	-0.474	-0.456	-0.552	-0.578	-0.450	-0.459	-0.304	-0.619	-0.787	-0.444	-0.587	-0.409
Geo Mean	0.32	0.34	0.35	0.28	0.26	0.35	0.35	0.50	0.24	0.16	0.36	0.26	0.39
Log StDv	0.279	0.280	0.216	0.315	0.277	0.247	0.189	0.268	0.288	0.346	0.116	0.153	0.256
Log CVar	-0.571	-0.590	-0.475	-0.572	-0.480	-0.548	-0.413	-0.880	-0.466	-0.440	-0.261	-0.262	-0.627
Percentls													
Minimum	0.01	0.04	0.06	0.05	0.06	0.07	0.14	0.08	0.07	0.06	0.24	0.17	0.11
10th	0.14	0.14	0.19	0.10	0.12	0.17	0.19	0.18	0.09	0.07	0.25	0.17	0.15
20th	0.20	0.20	0.23	0.14	0.14	0.22	0.24	0.31	0.13	0.07	0.27	0.19	0.20
30th	0.24	0.25	0.27	0.19	0.18	0.28	0.26	0.38	0.15	0.09	0.30	0.20	0.34
40th	0.29	0.29	0.30	0.23	0.24	0.30	0.28	0.47	0.20	0.10	0.34	0.21	0.35
50th	0.34	0.35	0.35	0.30	0.26	0.37	0.35	0.51	0.22	0.14	0.34	0.22	0.41
60th	0.40	0.41	0.40	0.38	0.31	0.45	0.40	0.55	0.25	0.15	0.35	0.26	0.48
70th	0.47	0.50	0.45	0.46	0.36	0.53	0.45	0.75	0.29	0.20	0.43	0.29	0.53
80th	0.57	0.60	0.53	0.56	0.48	0.58	0.53	0.77	0.53	0.33	0.44	0.37	0.65
85th	0.63	0.65	0.58	0.60	0.51	0.60	0.56	0.77	0.54	0.43	0.48	0.37	0.70
90th	0.71	0.75	0.65	0.67	0.58	0.65	0.58	0.97	0.54	0.50	0.52	0.41	0.70
95th	0.84	0.87	0.77	0.80	0.72	0.81	0.66	1.06	0.66	0.73	0.55	0.47	0.71
98th	1.04	1.08	0.92	0.89	0.77	0.87	0.78	1.26	0.67	0.91	0.56	0.49	0.86
99th	1.16	1.17	1.09	0.95	1.09	0.87	0.78	1.26	0.67	0.91	0.56	0.49	0.86
Maximum	2.50	1.51	2.50	1.01	1.34	0.93	0.79	1.26	0.67	0.91	0.56	0.49	0.86

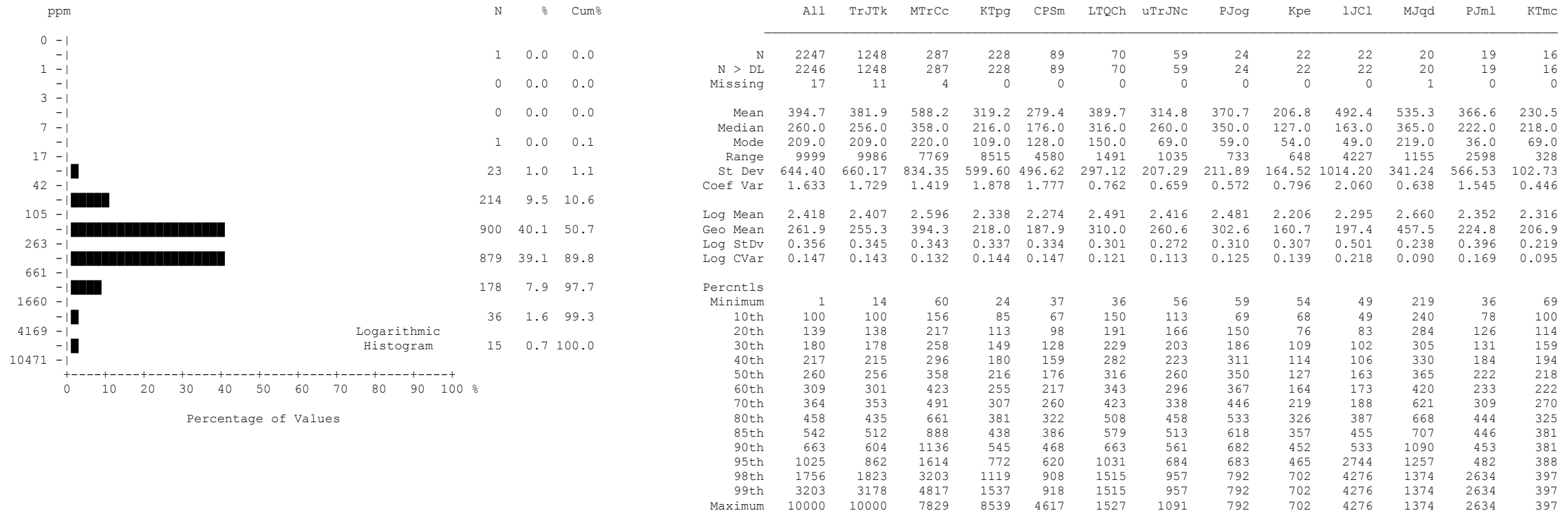
### Magnesium (Mg)

#### Lake Sediment

number of values : 2247  
 units : %  
 detection limit : 0.01  
 analytical method : ICPMS

### Magnesium by ICPMS

## Summary Statistics



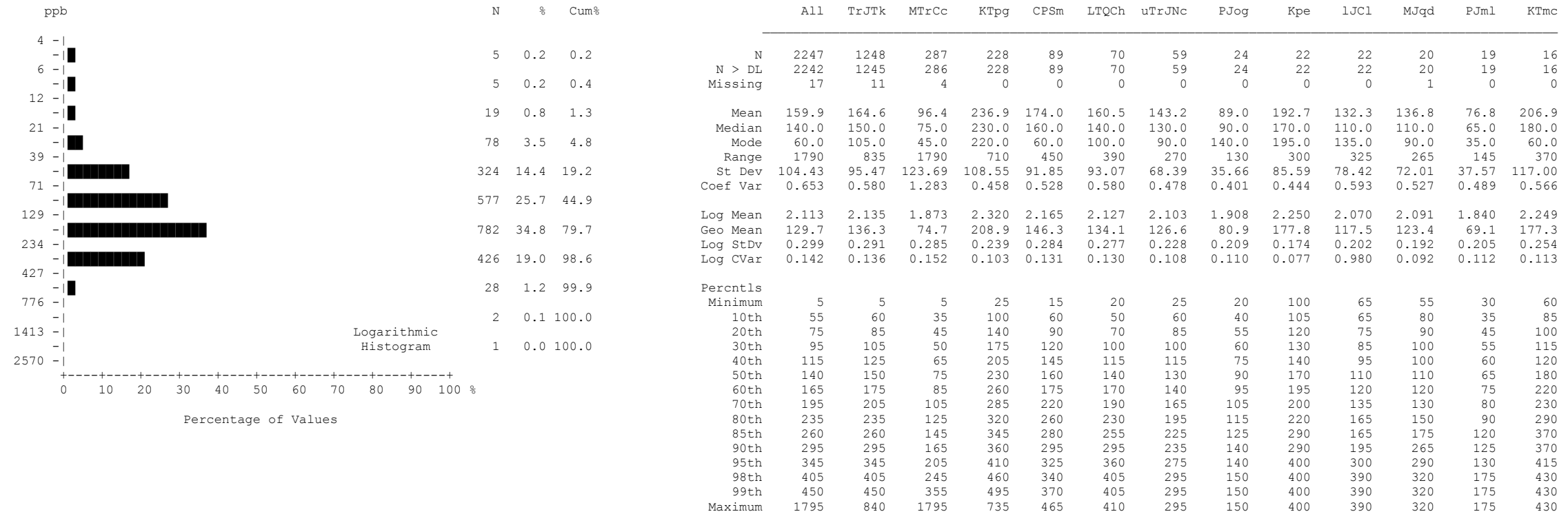
### Manganese (Mn)

#### Lake Sediment

number of values : 2247  
 units : ppm  
 detection limit : 1  
 analytical method : ICPMS

### Manganese by ICPMS

## Summary Statistics

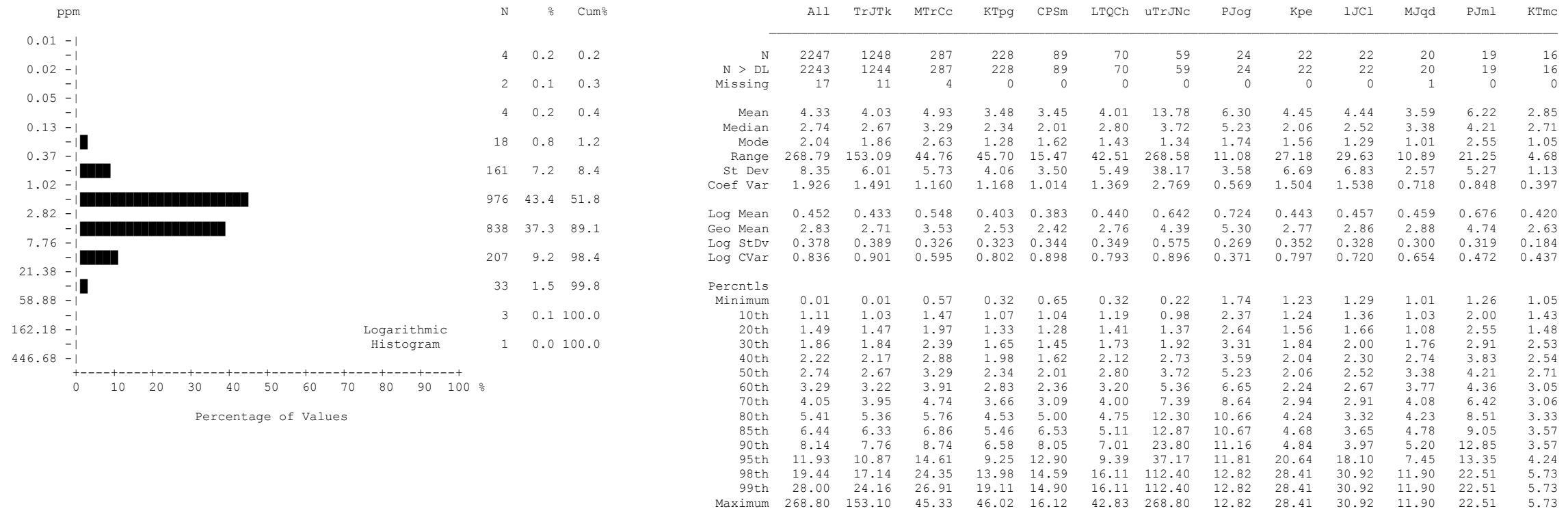


### Mercury (Hg) Lake Sediment

number of values : 2247  
 units : ppb  
 detection limit : 5  
 analytical method : ICPMS

### Mercury by ICPMS

## Summary Statistics



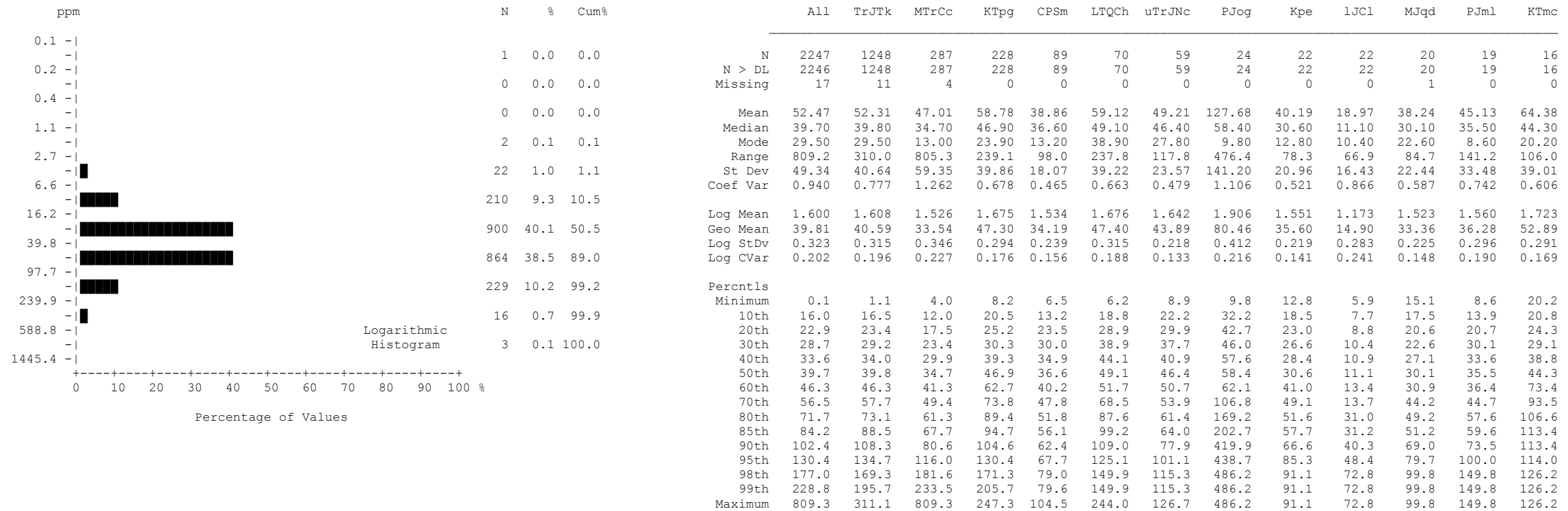
### Molybdenum (Mo)

#### Lake Sediment

number of values : 2247  
 units : ppm  
 detection limit : 0.01  
 analytical method : ICPMS

### Molybdenum by ICPMS

## Summary Statistics



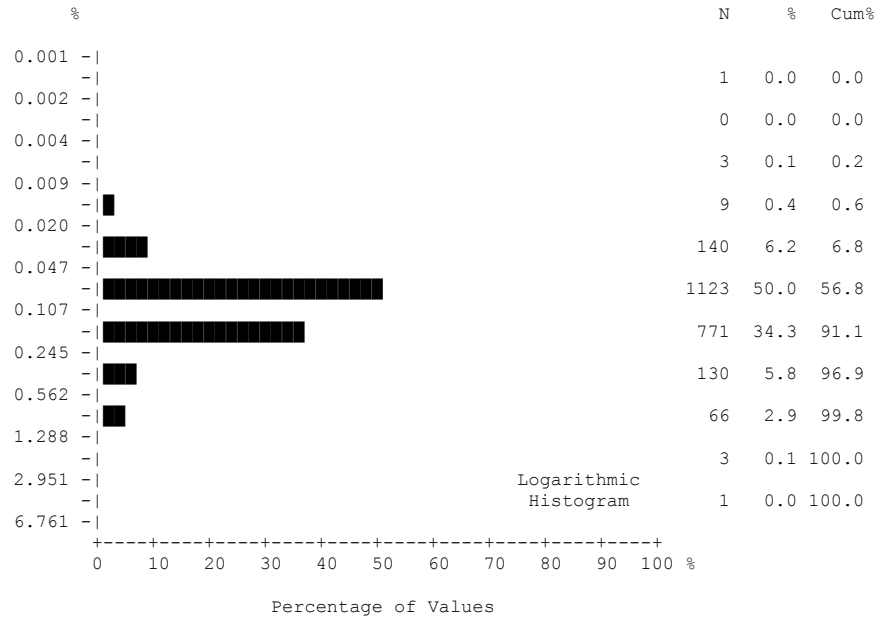
**Nickel (Ni)**  
**Lake Sediment**

number of values : 2247  
 units : ppm  
 detection limit : 0.1  
 analytical method : ICPMS

## Nickel by ICPMS



## Summary Statistics



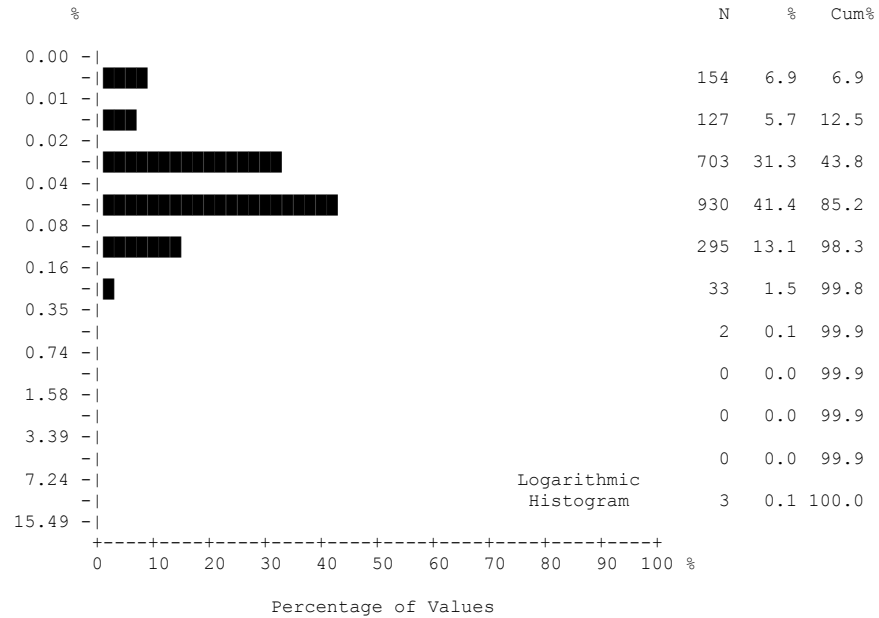
	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2247	1248	287	228	89	70	59	24	22	22	20	19	16
N > DL	2246	1248	287	228	89	70	59	24	22	22	20	19	16
Missing	17	11	4	0	0	0	0	0	0	0	1	0	0
Mean	0.14	0.14	0.16	0.16	0.14	0.16	0.12	0.11	0.15	0.09	0.12	0.15	0.13
Median	0.10	0.10	0.09	0.12	0.09	0.09	0.09	0.10	0.12	0.06	0.11	0.09	0.11
Mode	0.08	0.08	0.07	0.11	0.05	0.08	0.11	0.13	0.16	0.05	0.08	0.05	0.04
Range	3.666	3.661	1.360	0.963	0.984	0.954	0.940	0.173	0.259	0.220	0.113	0.930	0.212
St Dev	0.18	0.18	0.21	0.15	0.18	0.20	0.13	0.05	0.07	0.06	0.04	0.21	0.07
Coef Var	1.232	1.322	1.321	0.895	1.233	1.220	1.061	0.417	0.468	0.709	0.314	1.377	0.498
Log Mean	-0.970	-0.986	-0.953	-0.881	-1.000	-0.942	-1.001	-0.999	-0.882	-1.142	-0.944	-0.968	-0.944
Geo Mean	0.11	0.10	0.11	0.13	0.10	0.11	0.10	0.10	0.13	0.07	0.11	0.11	0.11
Log StDv	0.294	0.293	0.300	0.265	0.347	0.308	0.245	0.167	0.205	0.293	0.132	0.303	0.248
Log CVar	-0.304	-0.297	-0.315	-0.301	-0.347	-0.327	-0.245	-0.167	-0.233	-0.257	-0.140	-0.313	-0.263
Percentls													
Minimum	0.001	0.006	0.021	0.027	0.006	0.036	0.040	0.050	0.044	0.025	0.074	0.050	0.036
10th	0.053	0.051	0.062	0.063	0.043	0.055	0.058	0.058	0.074	0.029	0.078	0.061	0.040
20th	0.067	0.064	0.071	0.084	0.055	0.067	0.066	0.066	0.085	0.032	0.084	0.065	0.070
30th	0.077	0.075	0.078	0.093	0.068	0.078	0.071	0.078	0.100	0.045	0.091	0.076	0.087
40th	0.088	0.085	0.087	0.107	0.076	0.086	0.081	0.095	0.110	0.049	0.104	0.086	0.092
50th	0.097	0.095	0.093	0.120	0.086	0.094	0.087	0.102	0.119	0.061	0.106	0.090	0.114
60th	0.112	0.110	0.105	0.147	0.105	0.113	0.097	0.106	0.155	0.077	0.110	0.093	0.136
70th	0.130	0.127	0.119	0.179	0.140	0.129	0.110	0.112	0.171	0.101	0.133	0.102	0.139
80th	0.170	0.159	0.143	0.206	0.187	0.187	0.131	0.127	0.193	0.132	0.161	0.114	0.203
85th	0.197	0.187	0.176	0.225	0.218	0.226	0.161	0.127	0.215	0.144	0.164	0.122	0.207
90th	0.236	0.226	0.244	0.262	0.242	0.263	0.215	0.179	0.220	0.206	0.175	0.232	0.207
95th	0.345	0.334	0.683	0.355	0.290	0.469	0.230	0.219	0.288	0.212	0.185	0.341	0.232
98th	0.980	0.855	0.980	0.657	0.980	0.980	0.420	0.223	0.303	0.245	0.187	0.980	0.248
99th	0.990	0.980	1.099	0.980	0.990	0.980	0.420	0.223	0.303	0.245	0.187	0.980	0.248
Maximum	3.667	3.667	1.381	0.990	0.990	0.990	0.980	0.223	0.303	0.245	0.187	0.980	0.248

**Phosphorus (P)**  
**Lake Sediment**

number of values : 2247  
 units : %  
 detection limit : 0.001  
 analytical method : ICPMS

## Phosphorus by ICPMS

## Summary Statistics



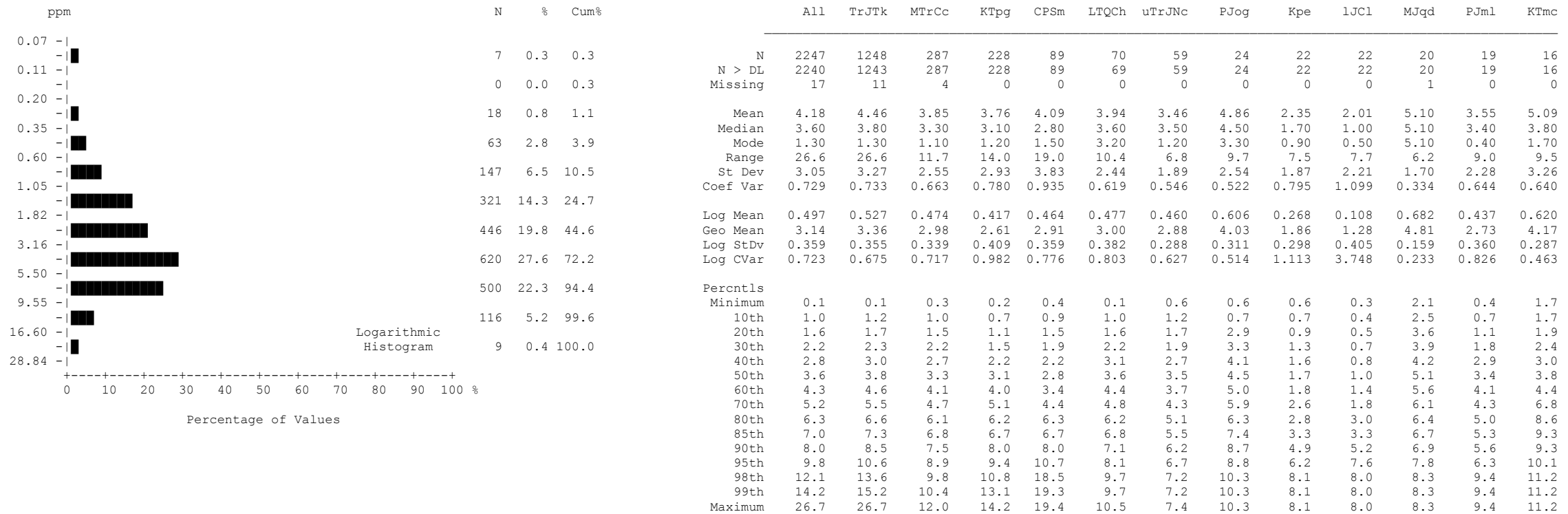
	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2247	1248	287	228	89	70	59	24	22	22	20	19	16
N > DL	1967	1070	256	215	71	62	59	23	21	15	20	14	15
Missing	17	11	4	0	0	0	0	0	0	0	1	0	0
Mean	0.06	0.05	0.08	0.05	0.03	0.05	0.06	0.08	0.05	0.03	0.04	0.04	0.10
Median	0.04	0.04	0.04	0.05	0.02	0.05	0.06	0.06	0.03	0.02	0.04	0.04	0.06
Mode	0.02	0.02	0.04	0.02	0.02	0.02	0.04	0.03	0.03	0.02	0.03	0.04	0.05
Range	9.995	9.995	9.995	0.265	0.085	0.190	0.130	0.230	0.131	0.095	0.050	0.085	0.410
St Dev	0.37	0.28	0.59	0.03	0.02	0.04	0.03	0.07	0.03	0.02	0.01	0.03	0.12
Coef Var	6.074	5.339	7.219	0.656	0.663	0.711	0.463	0.780	0.674	0.883	0.295	0.712	1.201
Log Mean	-1.451	-1.474	-1.436	-1.375	-1.625	-1.390	-1.261	-1.211	-1.388	-1.682	-1.405	-1.563	-1.180
Geo Mean	0.04	0.03	0.04	0.04	0.02	0.04	0.05	0.06	0.04	0.02	0.04	0.03	0.07
Log StDv	0.368	0.373	0.373	0.311	0.361	0.329	0.219	0.367	0.294	0.322	0.130	0.422	0.374
Log CVar	-0.253	-0.253	-0.260	-0.226	-0.222	-0.237	-0.173	-0.303	-0.212	-0.192	-0.092	-0.270	-0.317
Percentls													
Minimum	0.005	0.005	0.005	0.005	0.005	0.010	0.020	0.010	0.010	0.005	0.020	0.005	0.010
10th	0.010	0.010	0.010	0.020	0.005	0.010	0.020	0.020	0.020	0.010	0.030	0.005	0.040
20th	0.020	0.020	0.020	0.020	0.010	0.020	0.040	0.030	0.020	0.010	0.030	0.010	0.040
30th	0.030	0.020	0.030	0.030	0.020	0.030	0.040	0.030	0.030	0.010	0.030	0.020	0.050
40th	0.030	0.030	0.030	0.040	0.020	0.040	0.050	0.040	0.030	0.020	0.040	0.030	0.050
50th	0.040	0.040	0.040	0.047	0.020	0.050	0.060	0.060	0.030	0.020	0.040	0.040	0.060
60th	0.050	0.048	0.040	0.055	0.030	0.055	0.060	0.070	0.043	0.020	0.040	0.040	0.070
70th	0.060	0.058	0.050	0.070	0.040	0.060	0.070	0.100	0.067	0.030	0.050	0.040	0.070
80th	0.070	0.067	0.060	0.072	0.050	0.070	0.080	0.130	0.081	0.040	0.050	0.050	0.080
85th	0.074	0.070	0.070	0.080	0.060	0.090	0.090	0.140	0.083	0.040	0.050	0.080	0.090
90th	0.090	0.080	0.100	0.090	0.060	0.100	0.100	0.190	0.084	0.040	0.050	0.080	0.090
95th	0.110	0.110	0.120	0.110	0.070	0.130	0.110	0.210	0.110	0.090	0.060	0.080	0.380
98th	0.160	0.160	0.140	0.150	0.070	0.150	0.120	0.240	0.141	0.100	0.070	0.090	0.420
99th	0.190	0.190	0.180	0.160	0.070	0.150	0.120	0.240	0.141	0.100	0.070	0.090	0.420
Maximum	10.000	10.000	10.000	0.270	0.090	0.200	0.150	0.240	0.141	0.100	0.070	0.090	0.420

**Potassium (K)**  
**Lake Sediment**

number of values : 2247  
 units : %  
 detection limit : 0.01  
 analytical method : ICPMS

## Potassium by ICPMS

## Summary Statistics

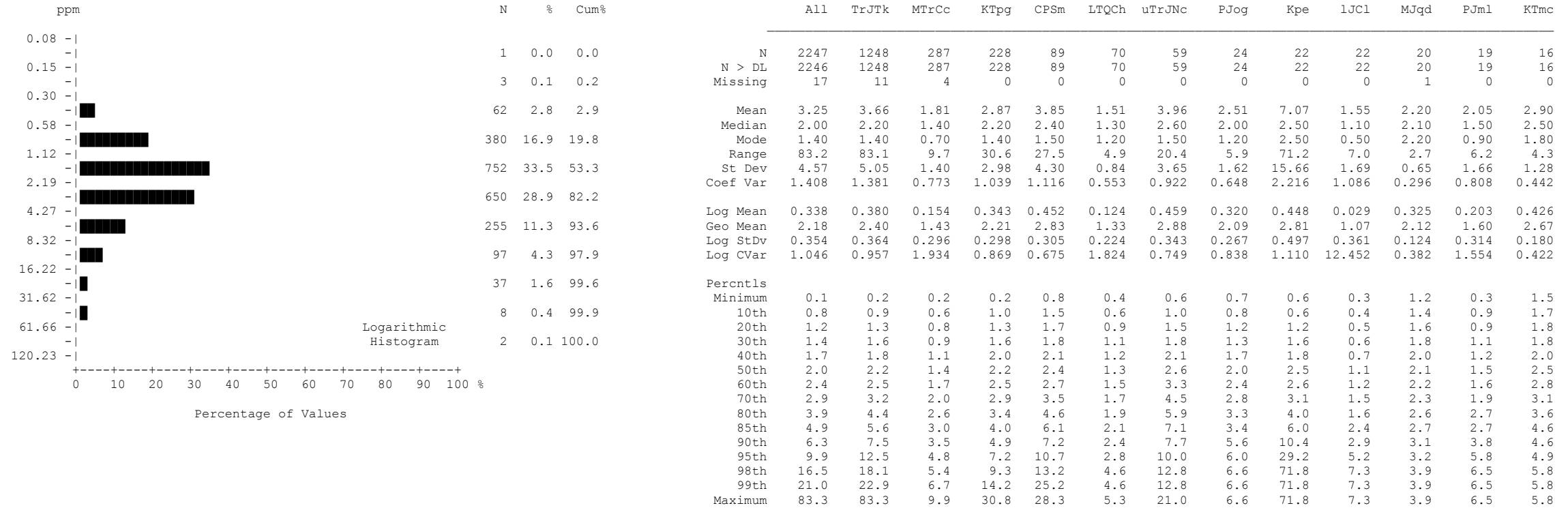


**Scandium (Sc)**  
**Lake Sediment**

number of values : 2247  
 units : ppm  
 detection limit : 0.1  
 analytical method : ICPMS

## Scandium by ICPMS

## Summary Statistics

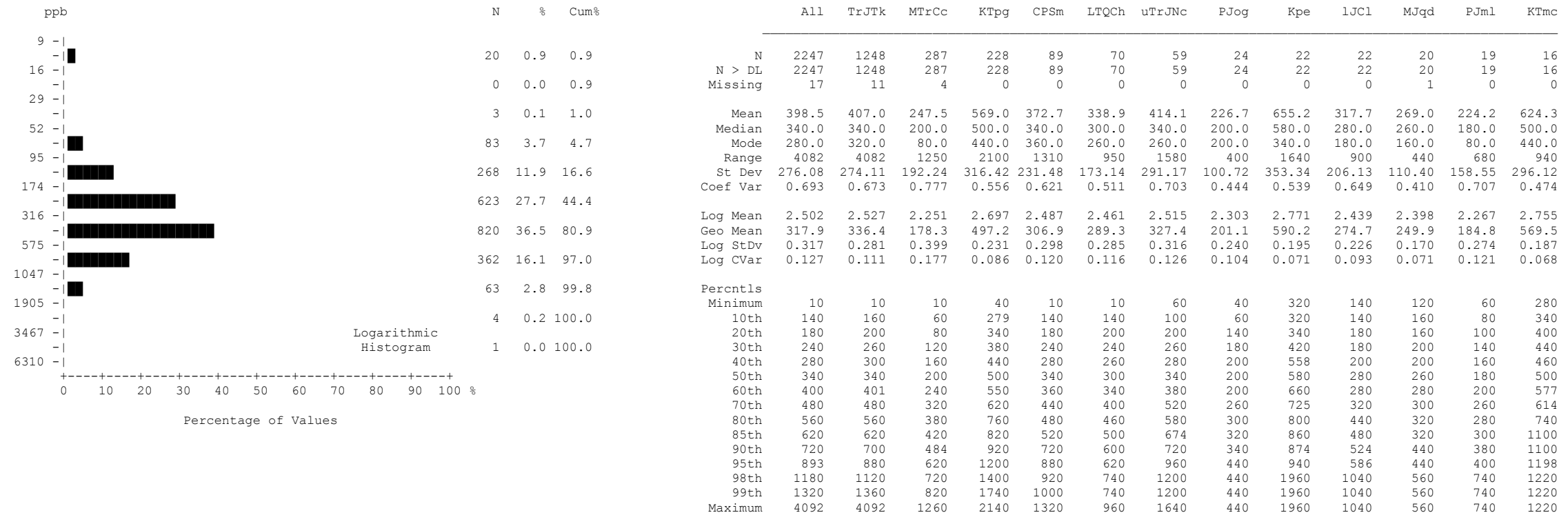


### Selenium (Se) Lake Sediment

number of values : 2247  
 units : ppm  
 detection limit : 0.1  
 analytical method : ICPMS

### Selenium by ICPMS

## Summary Statistics

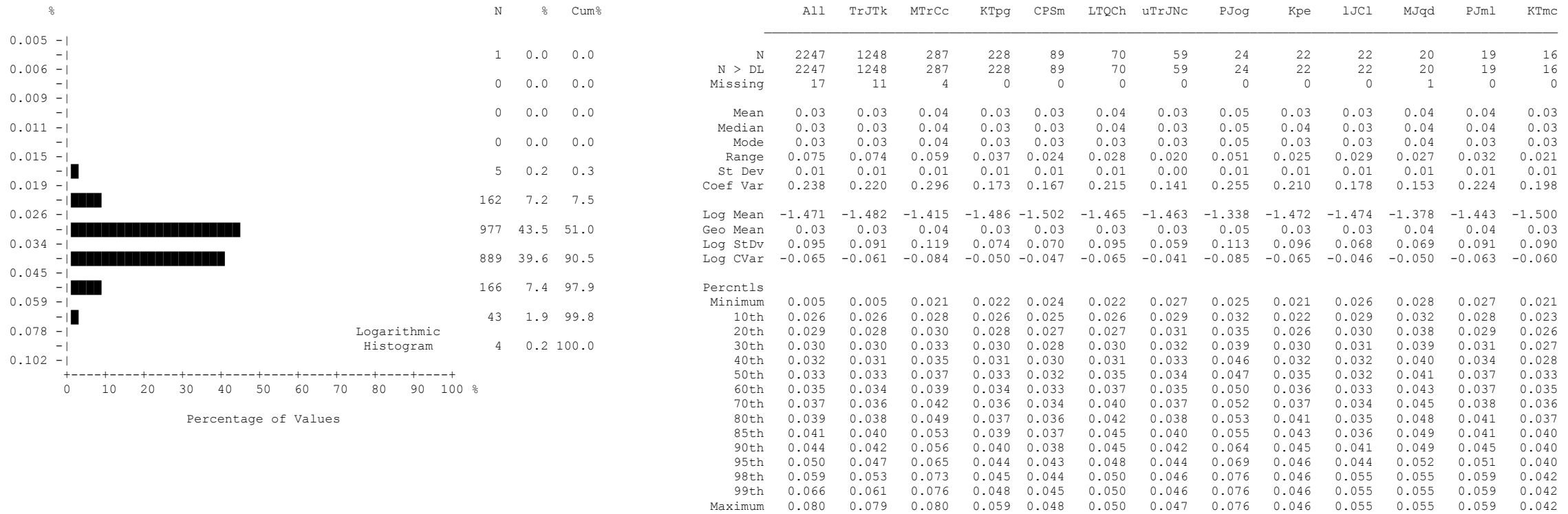


**Silver (Ag)**  
**Lake Sediment**

number of values : 2247  
 units : ppb  
 detection limit : 2  
 analytical method : ICPMS

### Silver by ICPMS

## Summary Statistics

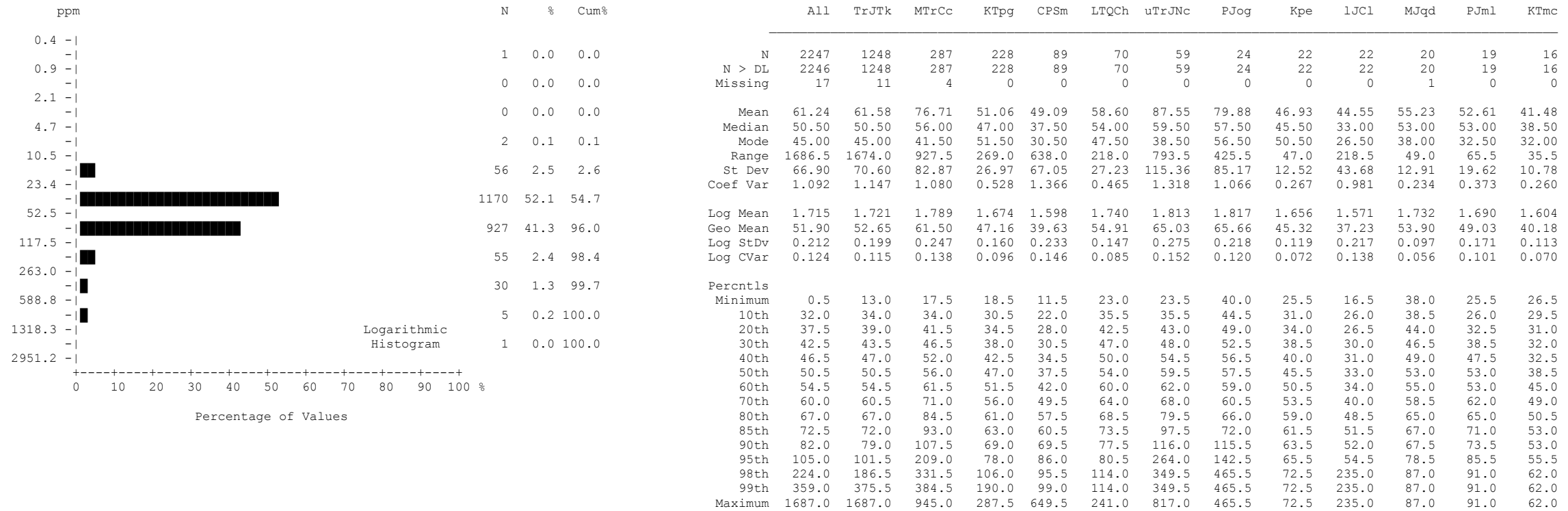


### Sodium (Na) Lake Sediment

number of values : 2247  
 units : %  
 detection limit : 0.001  
 analytical method : ICPMS

### Sodium by ICPMS

## Summary Statistics

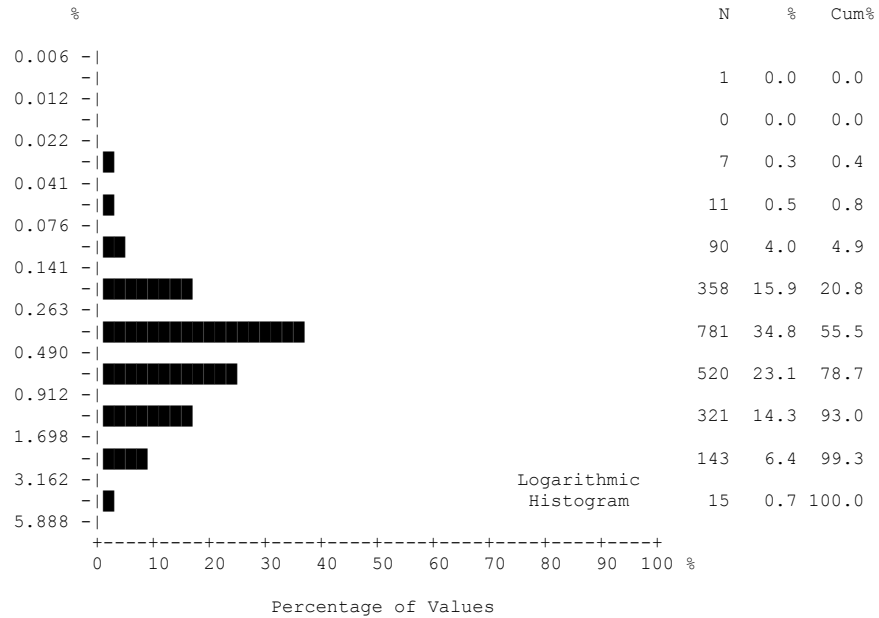


### Strontium (Sr) Lake Sediment

number of values : 2247  
 units : ppm  
 detection limit : 0.5  
 analytical method : ICPMS

### Strontium by ICPMS

## Summary Statistics



	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2247	1248	287	228	89	70	59	24	22	22	20	19	16
N > DL	2246	1248	287	228	89	70	59	24	22	22	20	19	16
Missing	17	11	4	0	0	0	0	0	0	0	1	0	0
Mean	0.66	0.68	0.74	0.49	0.57	0.63	0.84	0.61	0.51	0.68	0.70	0.82	0.40
Median	0.44	0.48	0.46	0.38	0.38	0.38	0.55	0.44	0.34	0.50	0.54	0.44	0.38
Mode	0.28	0.40	0.26	0.28	0.32	0.30	0.18	0.42	0.34	0.28	0.32	0.36	0.36
Range	4.53	4.22	4.14	3.18	3.19	3.42	4.42	1.50	2.36	3.06	2.06	3.60	0.48
St Dev	0.59	0.58	0.71	0.36	0.51	0.66	0.81	0.39	0.54	0.65	0.48	0.90	0.14
Coef Var	0.892	0.851	0.961	0.728	0.895	1.039	0.956	0.637	1.044	0.942	0.685	1.095	0.351
Log Mean	-0.313	-0.296	-0.306	-0.382	-0.357	-0.368	-0.250	-0.289	-0.412	-0.279	-0.237	-0.272	-0.426
Geo Mean	0.49	0.51	0.49	0.41	0.44	0.43	0.56	0.51	0.39	0.53	0.58	0.54	0.37
Log StDv	0.337	0.332	0.401	0.241	0.302	0.378	0.400	0.260	0.293	0.306	0.275	0.411	0.185
Log CVar	-1.079	-1.121	-1.315	-0.630	-0.848	-1.028	-1.601	-0.898	-0.712	-1.098	-1.162	-1.516	-0.433
Percentls													
Minimum	0.01	0.04	0.04	0.08	0.06	0.04	0.12	0.20	0.12	0.12	0.18	0.06	0.12
10th	0.20	0.20	0.16	0.24	0.22	0.18	0.18	0.22	0.20	0.20	0.24	0.18	0.24
20th	0.26	0.28	0.24	0.28	0.26	0.22	0.22	0.28	0.22	0.28	0.32	0.34	0.26
30th	0.32	0.34	0.28	0.30	0.30	0.28	0.32	0.34	0.28	0.42	0.38	0.36	0.30
40th	0.38	0.40	0.36	0.34	0.32	0.30	0.34	0.42	0.34	0.46	0.42	0.42	0.36
50th	0.44	0.48	0.46	0.38	0.38	0.38	0.55	0.44	0.34	0.50	0.54	0.44	0.38
60th	0.54	0.58	0.64	0.42	0.44	0.46	0.79	0.50	0.38	0.52	0.66	0.48	0.47
70th	0.70	0.72	0.82	0.48	0.54	0.64	1.06	0.68	0.40	0.62	0.88	0.55	0.48
80th	0.96	1.00	1.22	0.60	0.82	0.82	1.32	0.90	0.44	0.78	0.96	0.78	0.56
85th	1.18	1.20	1.36	0.72	0.88	1.00	1.66	1.02	0.50	1.00	0.98	1.80	0.58
90th	1.42	1.42	1.66	0.96	1.38	1.80	1.82	1.08	1.16	1.22	1.02	1.88	0.58
95th	1.90	1.94	2.22	1.22	1.50	2.16	2.22	1.36	1.46	1.48	1.34	2.08	0.58
98th	2.48	2.46	2.56	1.46	1.68	2.36	2.44	1.70	2.48	3.18	2.24	3.66	0.60
99th	2.74	2.74	3.62	1.60	2.40	2.36	2.44	1.70	2.48	3.18	2.24	3.66	0.60
Maximum	4.54	4.26	4.18	3.26	3.25	3.46	4.54	1.70	2.48	3.18	2.24	3.66	0.60

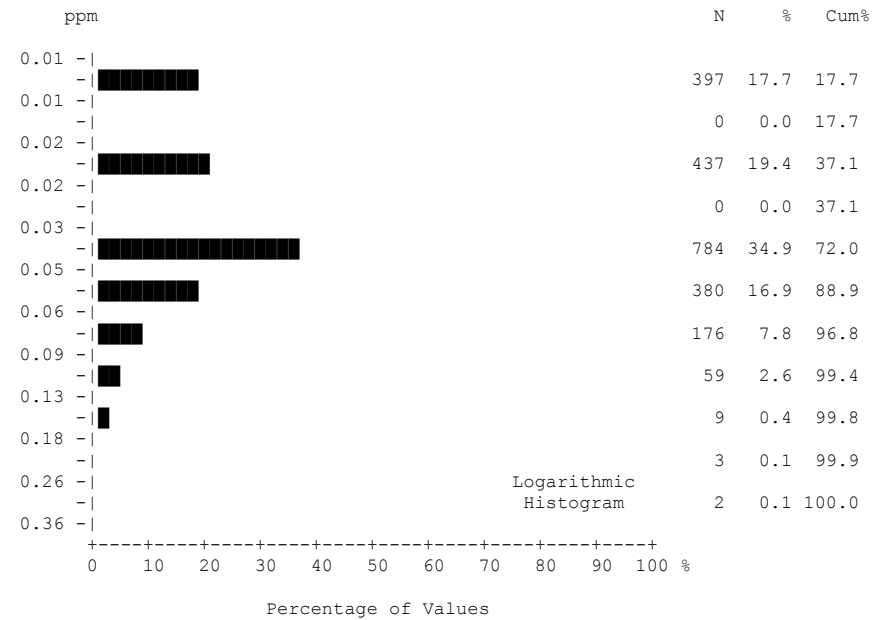
**Sulphur (S)**  
**Lake Sediment**

number of values : 2247  
 units : %  
 detection limit : 0.01  
 analytical method : ICPMS

**Sulphur by ICPMS**



## Summary Statistics



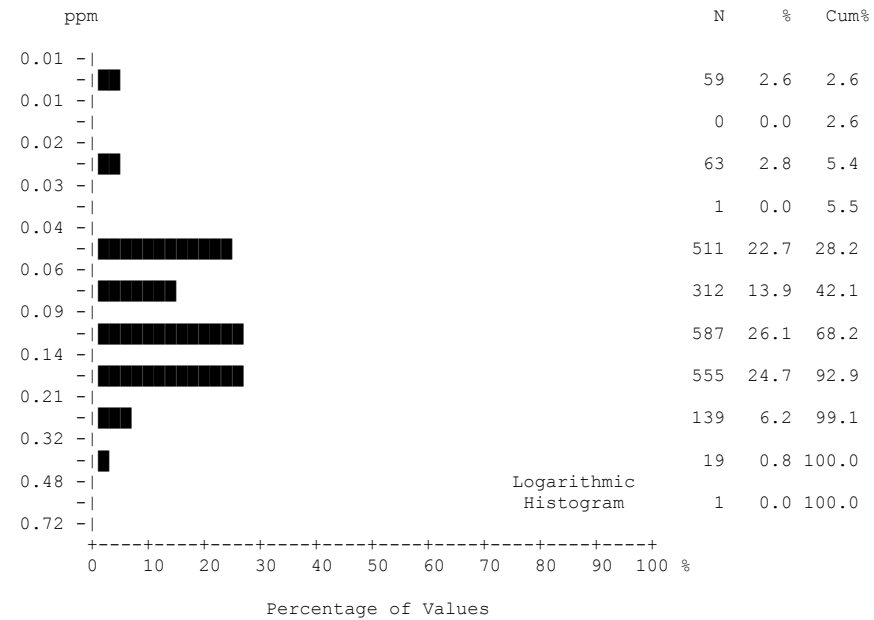
	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2247	1248	287	228	89	70	59	24	22	22	20	19	16
N > DL	1413	778	191	153	41	57	40	16	13	10	13	10	10
Missing	17	11	4	0	0	0	0	0	0	0	1	0	0
Mean	0.04	0.04	0.04	0.04	0.03	0.05	0.04	0.05	0.03	0.03	0.03	0.03	0.03
Median	0.04	0.04	0.04	0.04	0.02	0.04	0.04	0.06	0.04	0.02	0.04	0.04	0.04
Mode	0.04	0.04	0.04	0.04	0.01	0.04	0.04	0.06	0.04	0.02	0.02	0.04	0.04
Range	0.33	0.33	0.19	0.15	0.21	0.11	0.16	0.07	0.05	0.07	0.02	0.05	0.07
St Dev	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.01	0.02	0.02
Coef Var	0.663	0.692	0.603	0.608	0.914	0.483	0.645	0.579	0.501	0.705	0.297	0.556	0.552
Log Mean	-1.495	-1.504	-1.456	-1.458	-1.609	-1.359	-1.456	-1.457	-1.552	-1.582	-1.503	-1.601	-1.537
Geo Mean	0.03	0.03	0.04	0.03	0.02	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Log StDv	0.303	0.303	0.301	0.312	0.329	0.231	0.286	0.356	0.265	0.309	0.147	0.284	0.279
Log CVar	-0.203	-0.201	-0.207	-0.214	-0.205	-0.170	-0.197	-0.244	-0.171	-0.196	-0.980	-0.177	-0.182
Percentls													
Minimum	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01
10th	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.01	0.01
20th	0.02	0.02	0.02	0.02	0.01	0.04	0.02	0.01	0.01	0.01	0.02	0.01	0.01
30th	0.02	0.02	0.02	0.02	0.01	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02
40th	0.04	0.04	0.04	0.04	0.02	0.04	0.04	0.04	0.02	0.02	0.04	0.02	0.02
50th	0.04	0.04	0.04	0.04	0.02	0.04	0.04	0.06	0.04	0.02	0.04	0.04	0.04
60th	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.06	0.04	0.04	0.04	0.04	0.04
70th	0.04	0.04	0.06	0.06	0.04	0.06	0.04	0.06	0.04	0.04	0.04	0.04	0.04
80th	0.06	0.06	0.06	0.06	0.04	0.06	0.06	0.06	0.04	0.04	0.04	0.04	0.04
85th	0.06	0.06	0.06	0.08	0.06	0.08	0.06	0.06	0.04	0.06	0.04	0.04	0.04
90th	0.08	0.06	0.08	0.08	0.06	0.08	0.06	0.08	0.06	0.08	0.04	0.04	0.04
95th	0.08	0.08	0.08	0.08	0.08	0.10	0.08	0.08	0.06	0.08	0.04	0.06	0.06
98th	0.10	0.10	0.10	0.10	0.09	0.10	0.10	0.08	0.06	0.08	0.04	0.06	0.08
99th	0.12	0.12	0.10	0.11	0.12	0.10	0.10	0.08	0.06	0.08	0.04	0.06	0.08
Maximum	0.34	0.34	0.20	0.16	0.22	0.12	0.17	0.08	0.06	0.08	0.04	0.06	0.08

**Tellurium (Te)**  
**Lake Sediment**

number of values : 2247  
 units : ppm  
 detection limit : 0.02  
 analytical method : ICPMS

**Tellurium by ICPMS**

## Summary Statistics



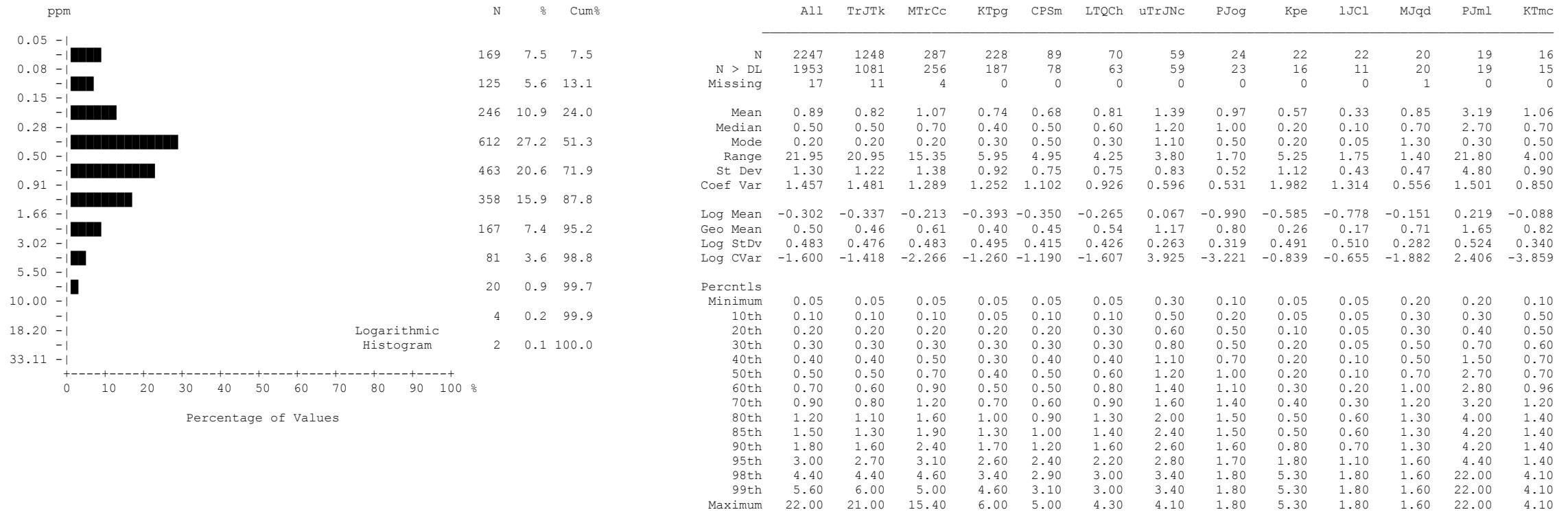
	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2247	1248	287	228	89	70	59	24	22	22	20	19	16
N > DL	2125	1175	263	223	80	66	59	23	22	20	20	17	16
Missing	17	11	4	0	0	0	0	0	0	0	1	0	0
Mean	0.11	0.11	0.09	0.15	0.09	0.12	0.11	0.11	0.16	0.06	0.17	0.09	0.21
Median	0.10	0.10	0.08	0.14	0.08	0.12	0.12	0.10	0.16	0.06	0.14	0.10	0.16
Mode	0.10	0.08	0.04	0.14	0.08	0.12	0.12	0.10	0.18	0.06	0.12	0.10	0.14
Range	0.61	0.43	0.31	0.61	0.23	0.29	0.24	0.17	0.14	0.15	0.22	0.21	0.37
St Dev	0.06	0.06	0.06	0.08	0.05	0.06	0.04	0.04	0.04	0.03	0.06	0.05	0.11
Coef Var	0.579	0.562	0.622	0.511	0.544	0.508	0.392	0.346	0.244	0.522	0.375	0.569	0.538
Log Mean	-1.038	-1.057	-1.128	-0.882	-1.111	-1.007	-0.983	-1.018	-0.807	-1.288	-0.807	-1.131	-0.722
Geo Mean	0.09	0.09	0.07	0.13	0.08	0.10	0.10	0.10	0.16	0.05	0.16	0.07	0.19
Log StDv	0.293	0.291	0.309	0.258	0.309	0.287	0.184	0.249	0.112	0.242	0.157	0.321	0.203
Log CVar	-0.282	-0.276	-0.274	-0.292	-0.278	-0.285	-0.188	-0.244	-0.139	-0.188	-0.195	-0.284	-0.282
Percentls													
Minimum	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.01	0.10	0.01	0.08	0.01	0.10
10th	0.04	0.04	0.04	0.06	0.02	0.04	0.06	0.04	0.10	0.02	0.10	0.02	0.10
20th	0.06	0.06	0.04	0.08	0.04	0.06	0.08	0.08	0.10	0.04	0.12	0.04	0.14
30th	0.08	0.07	0.06	0.10	0.06	0.08	0.10	0.08	0.14	0.04	0.12	0.06	0.14
40th	0.08	0.08	0.06	0.14	0.08	0.10	0.10	0.10	0.16	0.04	0.14	0.08	0.14
50th	0.10	0.10	0.08	0.14	0.08	0.12	0.12	0.10	0.16	0.06	0.14	0.10	0.16
60th	0.12	0.12	0.10	0.16	0.10	0.12	0.12	0.12	0.18	0.06	0.16	0.10	0.18
70th	0.14	0.12	0.12	0.18	0.12	0.14	0.12	0.12	0.18	0.06	0.18	0.10	0.22
80th	0.16	0.14	0.14	0.20	0.14	0.16	0.14	0.14	0.18	0.08	0.20	0.11	0.24
85th	0.18	0.16	0.14	0.22	0.14	0.18	0.14	0.14	0.18	0.08	0.24	0.12	0.36
90th	0.20	0.18	0.16	0.24	0.16	0.20	0.16	0.14	0.22	0.08	0.26	0.16	0.36
95th	0.22	0.22	0.20	0.26	0.18	0.24	0.18	0.16	0.22	0.10	0.28	0.16	0.44
98th	0.26	0.24	0.24	0.32	0.20	0.26	0.22	0.18	0.24	0.16	0.30	0.22	0.47
99th	0.30	0.28	0.24	0.36	0.20	0.26	0.22	0.18	0.24	0.16	0.30	0.22	0.47
Maximum	0.62	0.44	0.32	0.62	0.24	0.30	0.28	0.18	0.24	0.16	0.30	0.22	0.47

**Thallium (TI)**  
**Lake Sediment**

number of values : 2247  
 units : ppm  
 detection limit : 0.02  
 analytical method : ICPMS

## Thallium by ICPMS

## Summary Statistics

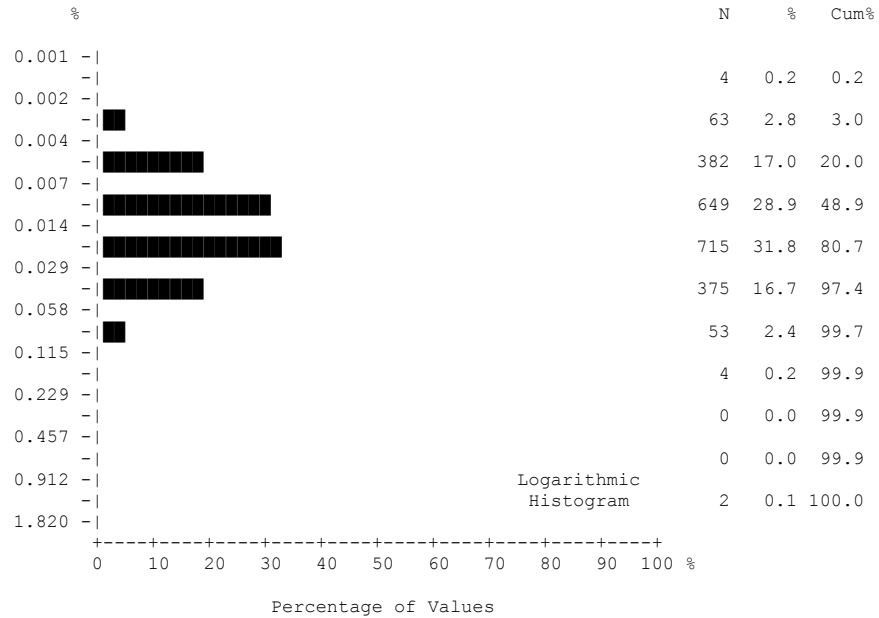


**Thorium (Th)**  
**Lake Sediment**

number of values : 2247  
 units : ppm  
 detection limit : 0.1  
 analytical method : ICPMS

## Thorium by ICPMS

## Summary Statistics



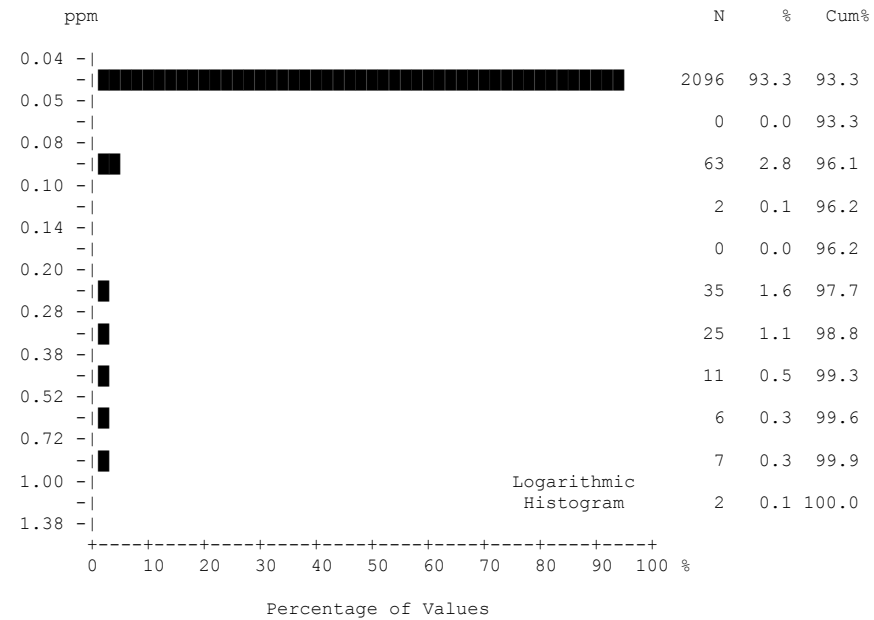
	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2247	1248	287	228	89	70	59	24	22	22	20	19	16
N > DL	2243	1245	287	227	89	70	59	24	22	22	20	19	16
Missing	17	11	4	0	0	0	0	0	0	0	1	0	0
Mean	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.02	0.01	0.03	0.03	0.02
Median	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.03	0.01	0.01	0.03	0.03	0.02
Mode	0.01	0.01	0.01	0.00	0.00	0.01	0.02	0.01	0.01	0.01	0.02	0.01	0.01
Range	0.989	0.989	0.110	0.052	0.144	0.063	0.061	0.102	0.037	0.057	0.045	0.069	0.064
St Dev	0.03	0.04	0.02	0.01	0.03	0.01	0.01	0.02	0.01	0.02	0.01	0.02	0.02
Coef Var	1.646	2.076	0.940	0.696	1.311	0.712	0.580	0.591	0.602	1.083	0.383	0.657	0.747
Log Mean	-1.840	-1.840	-1.859	-1.887	-1.911	-1.798	-1.718	-1.520	-1.892	-2.002	-1.552	-1.674	-1.755
Geo Mean	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.01	0.01	0.03	0.02	0.02
Log StDv	0.334	0.315	0.375	0.351	0.375	0.320	0.296	0.366	0.301	0.361	0.168	0.350	0.310
Log CVar	-0.182	-0.171	-0.202	-0.186	-0.196	-0.178	-0.173	-0.241	-0.159	-0.180	-0.108	-0.209	-0.177
Percentls													
Minimum	0.001	0.001	0.002	0.001	0.002	0.002	0.003	0.002	0.002	0.004	0.012	0.003	0.004
10th	0.005	0.006	0.004	0.004	0.004	0.006	0.006	0.006	0.005	0.004	0.018	0.008	0.009
20th	0.007	0.008	0.007	0.006	0.006	0.010	0.013	0.024	0.007	0.005	0.020	0.009	0.009
30th	0.010	0.010	0.008	0.008	0.008	0.011	0.015	0.026	0.009	0.006	0.021	0.015	0.011
40th	0.012	0.012	0.011	0.011	0.009	0.012	0.017	0.032	0.011	0.006	0.025	0.018	0.013
50th	0.015	0.015	0.013	0.014	0.011	0.016	0.022	0.034	0.014	0.007	0.026	0.029	0.019
60th	0.018	0.018	0.017	0.018	0.014	0.019	0.026	0.041	0.015	0.008	0.030	0.030	0.020
70th	0.022	0.021	0.021	0.022	0.017	0.024	0.028	0.044	0.018	0.010	0.032	0.033	0.021
80th	0.028	0.026	0.032	0.028	0.023	0.030	0.033	0.047	0.023	0.019	0.041	0.038	0.030
85th	0.032	0.030	0.036	0.031	0.028	0.038	0.038	0.052	0.024	0.030	0.044	0.041	0.041
90th	0.038	0.034	0.041	0.035	0.035	0.039	0.041	0.065	0.027	0.034	0.045	0.042	0.041
95th	0.048	0.045	0.064	0.040	0.068	0.048	0.046	0.078	0.033	0.053	0.045	0.056	0.044
98th	0.065	0.056	0.078	0.046	0.097	0.063	0.056	0.104	0.039	0.061	0.057	0.072	0.068
99th	0.075	0.072	0.082	0.049	0.140	0.063	0.056	0.104	0.039	0.061	0.057	0.072	0.068
Maximum	0.990	0.990	0.112	0.053	0.146	0.065	0.064	0.104	0.039	0.061	0.057	0.072	0.068

**Titanium (Ti)**  
**Lake Sediment**

number of values : 2247  
units : %  
detection limit : 0.001  
analytical method : ICPMS

**Titanium by ICPMS**

## Summary Statistics

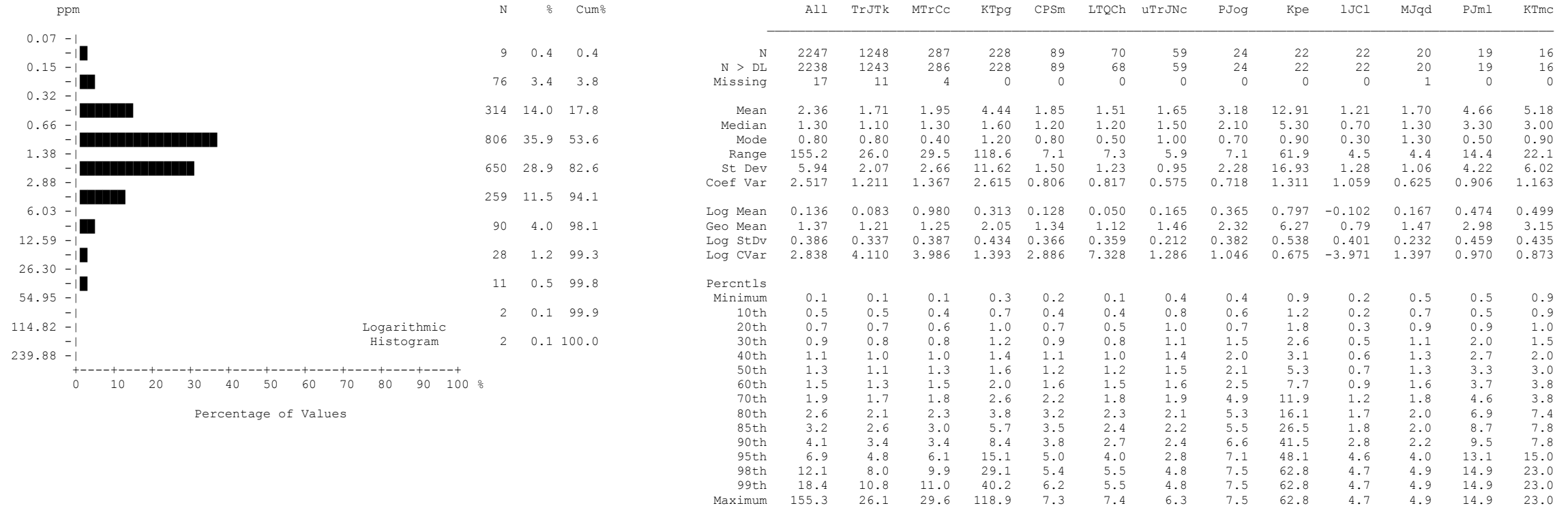


### Tungsten (W) Lake Sediment

number of values : 2247  
 units : ppm  
 detection limit : 0.1  
 analytical method : ICPMS

### Tungsten by ICPMS

## Summary Statistics

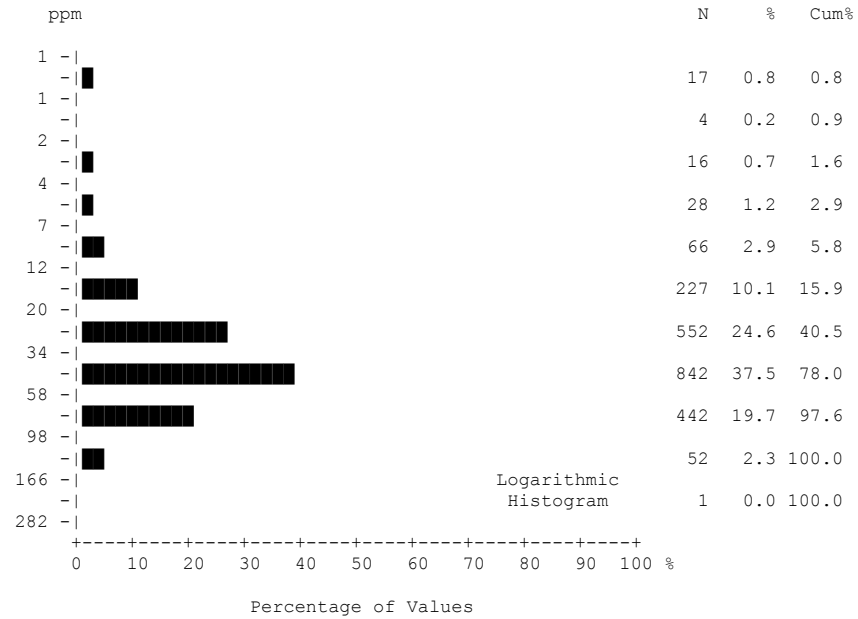


**Uranium (U)**  
**Lake Sediment**

number of values : 2247  
units : ppm  
detection limit : 0.1  
analytical method : ICPMS

**Uranium by ICPMS**

## Summary Statistics



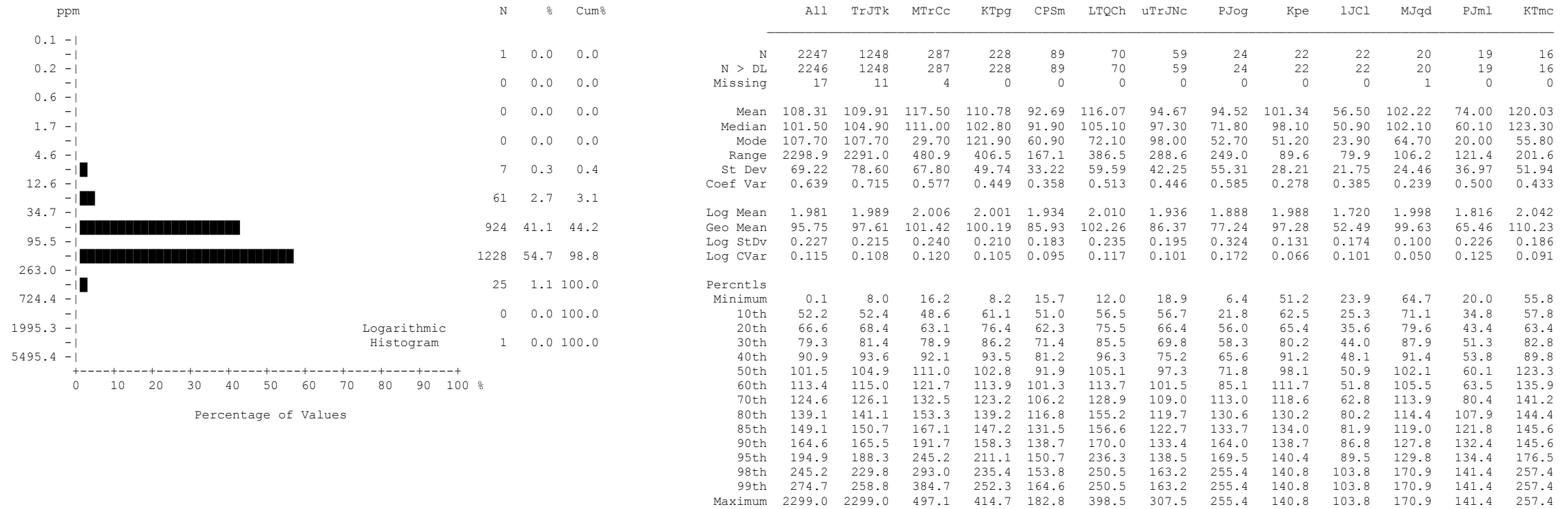
	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2247	1248	287	228	89	70	59	24	22	22	20	19	16
N > DL	2226	1236	283	227	88	69	59	24	22	22	20	19	16
Missing	17	11	4	0	0	0	0	0	0	0	1	0	0
Mean	41.5	41.6	40.1	41.2	37.2	41.1	40.9	62.4	40.2	43.1	49.4	41.8	47.0
Median	38.0	38.0	38.0	38.0	36.0	36.0	42.0	60.0	30.0	26.0	46.0	42.0	38.0
Mode	28.0	28.0	40.0	22.0	32.0	36.0	22.0	52.0	14.0	20.0	34.0	46.0	20.0
Range	183	145	113	121	129	97	98	98	82	170	66	98	72
St Dev	23.14	22.96	24.21	21.68	21.17	22.03	21.82	23.24	23.05	41.24	19.70	21.85	20.60
Coef Var	0.558	0.552	0.603	0.527	0.569	0.536	0.533	0.372	0.574	0.957	0.399	0.523	0.438
Log Mean	1.535	1.537	1.499	1.547	1.486	1.530	1.532	1.762	1.534	1.510	1.660	1.567	1.632
Geo Mean	34.3	34.5	31.5	35.2	30.6	33.9	34.0	57.8	34.2	32.4	45.7	36.9	42.9
Log StDv	0.306	0.302	0.351	0.265	0.311	0.321	0.306	0.185	0.255	0.306	0.180	0.230	0.195
Log CVar	0.199	0.197	0.234	0.171	0.209	0.210	0.200	0.105	0.166	0.203	0.109	0.147	0.119
Percentls													
Minimum	1	1	1	1	1	1	4	20	14	14	20	12	20
10th	16	16	12	16	12	16	12	22	14	16	22	16	20
20th	22	22	18	22	18	22	22	46	18	18	32	20	30
30th	28	28	24	28	26	26	28	52	24	20	34	30	34
40th	32	32	30	32	32	34	36	54	26	22	42	36	36
50th	38	38	38	38	36	36	42	60	30	26	46	42	38
60th	44	44	44	44	40	44	46	62	34	28	50	44	48
70th	52	52	52	52	44	52	48	72	50	30	56	46	58
80th	58	60	60	56	50	58	54	84	62	72	60	50	64
85th	64	66	66	60	54	62	54	86	66	84	68	50	64
90th	72	72	72	68	64	74	62	88	68	92	84	58	64
95th	86	86	84	82	72	78	86	94	74	106	84	64	78
98th	100	98	102	92	86	98	102	118	96	184	86	110	92
99th	108	108	108	114	94	98	102	118	96	184	86	110	92
Maximum	184	146	114	122	130	98	102	118	96	184	86	110	92

**Vanadium (V)**  
**Lake Sediment**

number of values : 2247  
units : ppm  
detection limit : 2  
analytical method : ICPMS

## Vanadium by ICPMS

## Summary Statistics



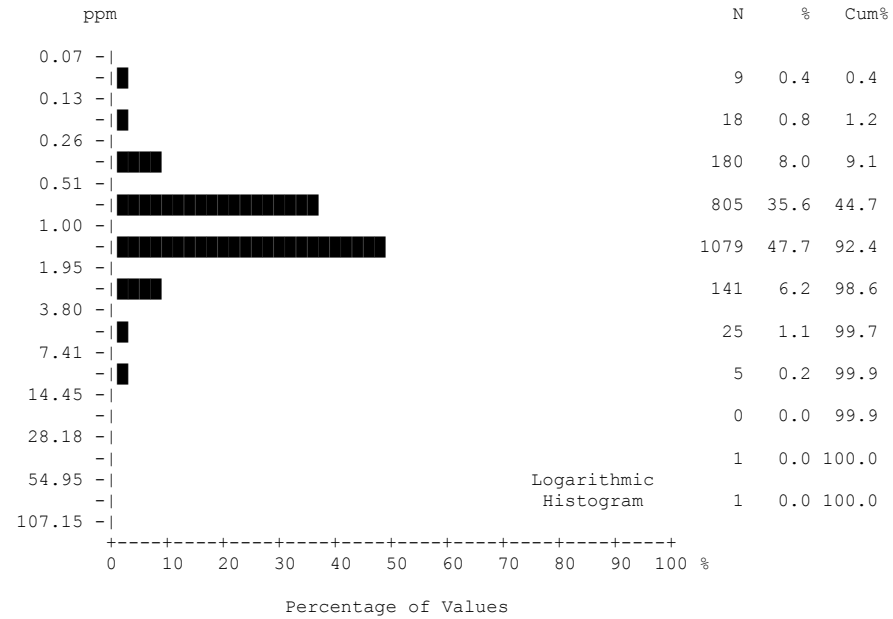
**Zinc (Zn)**  
**Lake Sediment**

number of values : 2247  
 units : ppm  
 detection limit : 0.1  
 analytical method : ICPMS

**Zinc by ICPMS**



## Summary Statistics



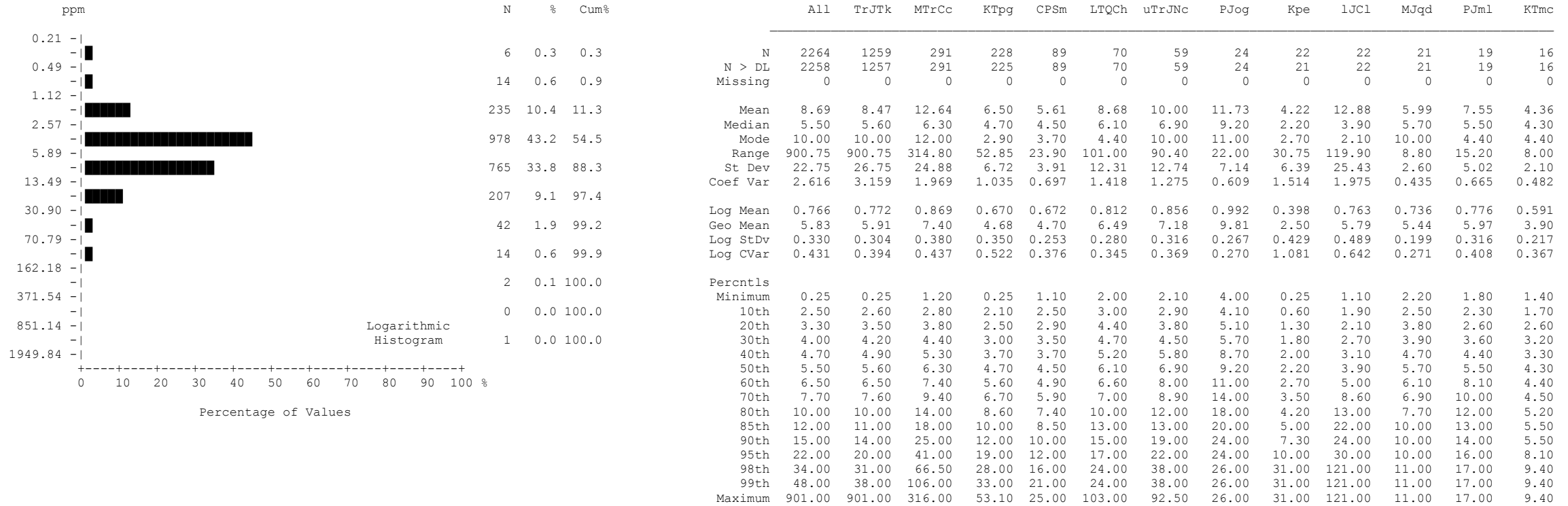
	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2264	1259	291	228	89	70	59	24	22	22	21	19	16
N > DL	2255	1255	288	228	89	69	59	24	21	22	21	19	16
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	1.21	1.28	1.19	1.04	1.07	1.03	2.05	1.57	0.69	1.12	1.01	0.83	0.91
Median	1.00	1.10	0.80	1.00	0.90	1.00	1.50	1.40	0.50	0.80	0.90	0.80	0.90
Mode	0.90	0.90	0.80	0.60	0.70	0.90	0.80	1.40	0.30	0.60	0.90	0.70	0.50
Range	83.8	83.8	43.6	2.4	2.3	2.3	12.0	4.0	1.9	4.2	2.1	0.9	1.0
St Dev	2.11	2.43	2.76	0.43	0.49	0.43	1.81	0.88	0.45	0.88	0.48	0.22	0.31
Coef Var	1.735	1.902	2.318	0.416	0.462	0.414	0.881	0.561	0.657	0.783	0.473	0.266	0.344
Log Mean	0.004	0.035	-0.090	-0.022	-0.007	-0.030	0.213	0.149	-0.250	-0.027	-0.031	-0.094	-0.068
Geo Mean	1.01	1.08	0.81	0.95	0.98	0.93	1.63	1.41	0.56	0.94	0.93	0.81	0.86
Log StDv	0.234	0.212	0.311	0.189	0.170	0.219	0.277	0.192	0.291	0.246	0.177	0.112	0.167
Log CVar	77.902	6.242	-3.497	-9.024	-28.395	-7.542	1.301	1.298	-1.164	-9.109	-5.912	-1.204	-2.491
Percentls													
Minimum	0.1	0.1	0.1	0.2	0.5	0.1	0.5	0.6	0.1	0.4	0.5	0.5	0.4
10th	0.6	0.6	0.3	0.6	0.7	0.5	0.8	0.8	0.3	0.4	0.5	0.6	0.5
20th	0.7	0.8	0.5	0.6	0.7	0.7	0.9	1.1	0.3	0.6	0.6	0.6	0.5
30th	0.8	0.9	0.6	0.8	0.8	0.8	1.1	1.1	0.4	0.7	0.7	0.7	0.7
40th	0.9	1.0	0.7	0.9	0.8	0.9	1.4	1.2	0.5	0.8	0.8	0.7	0.8
50th	1.0	1.1	0.8	1.0	0.9	1.0	1.5	1.4	0.5	0.8	0.9	0.8	0.9
60th	1.1	1.2	0.9	1.1	1.0	1.1	1.8	1.4	0.6	1.0	0.9	0.8	1.0
70th	1.3	1.3	1.0	1.2	1.1	1.2	2.1	1.6	0.6	1.1	1.2	0.9	1.1
80th	1.4	1.5	1.2	1.4	1.3	1.3	2.9	1.6	1.1	1.4	1.2	1.0	1.2
85th	1.6	1.7	1.3	1.5	1.6	1.4	3.0	1.8	1.1	1.6	1.4	1.0	1.3
90th	1.8	1.9	1.5	1.6	1.8	1.6	3.4	2.2	1.1	1.6	1.5	1.1	1.3
95th	2.3	2.3	2.5	1.8	2.2	1.8	4.2	3.6	1.4	1.8	1.6	1.1	1.3
98th	3.4	3.2	4.5	2.1	2.5	2.2	5.7	4.6	2.0	4.6	2.6	1.4	1.4
99th	4.2	4.0	8.4	2.3	2.7	2.2	5.7	4.6	2.0	4.6	2.6	1.4	1.4
Maximum	83.9	83.9	43.7	2.6	2.8	2.4	12.5	4.6	2.0	4.6	2.6	1.4	1.4

**Antimony (Sb)**  
**Lake Sediment**

number of values : 2264  
 units : ppm  
 detection limit : 0.1  
 analytical method : INAA

## Antimony by INAA

## Summary Statistics

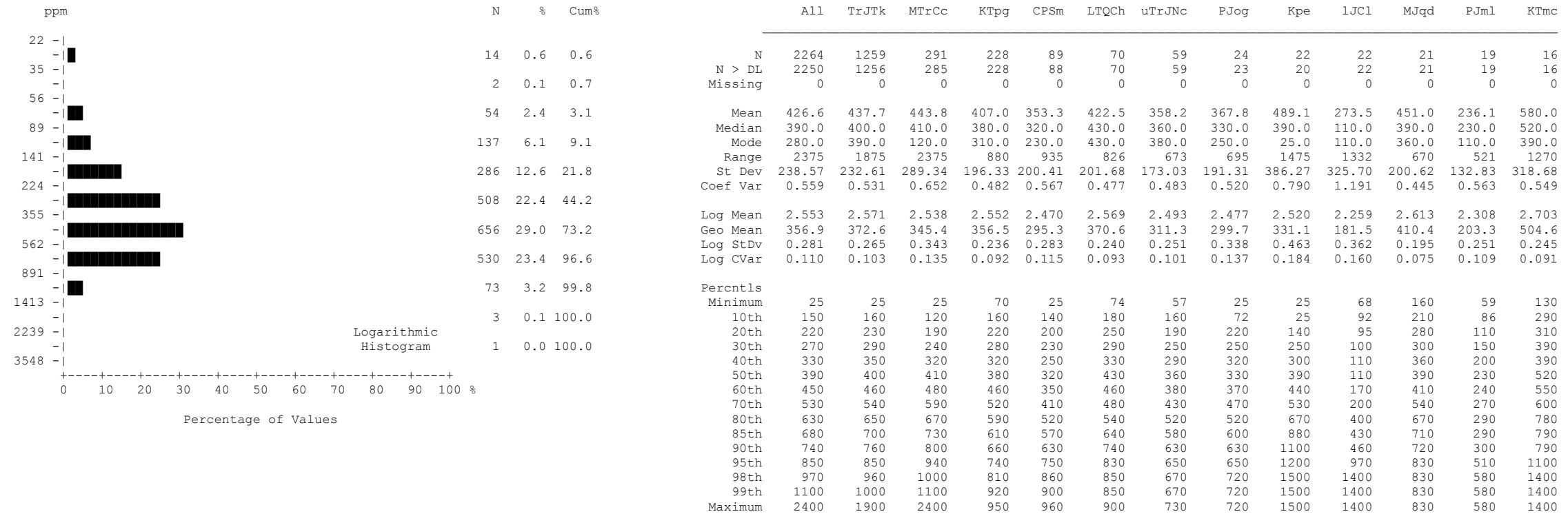


**Arsenic (As)**  
**Lake Sediment**

number of values : 2264  
 units : ppm  
 detection limit : 0.5  
 analytical method : INAA

## Arsenic by INAA

## Summary Statistics

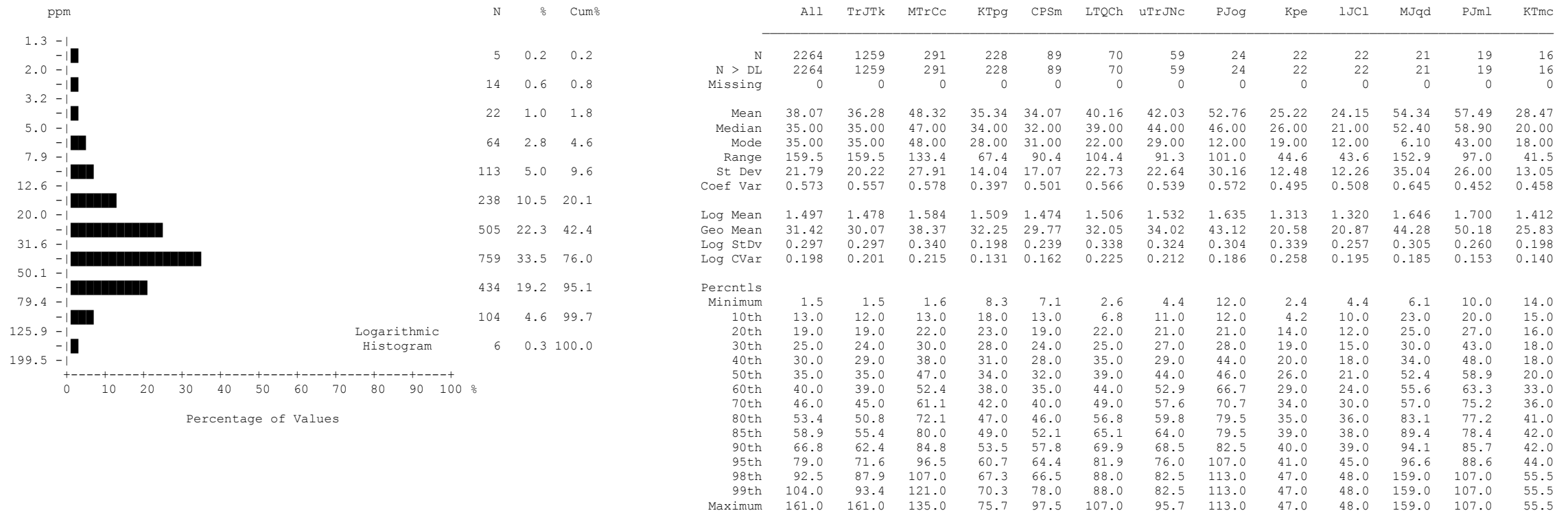


**Barium (Ba)**  
**Lake Sediment**

number of values : 2264  
 units : ppm  
 detection limit : 50  
 analytical method : INAA

## Barium by INAA

## Summary Statistics

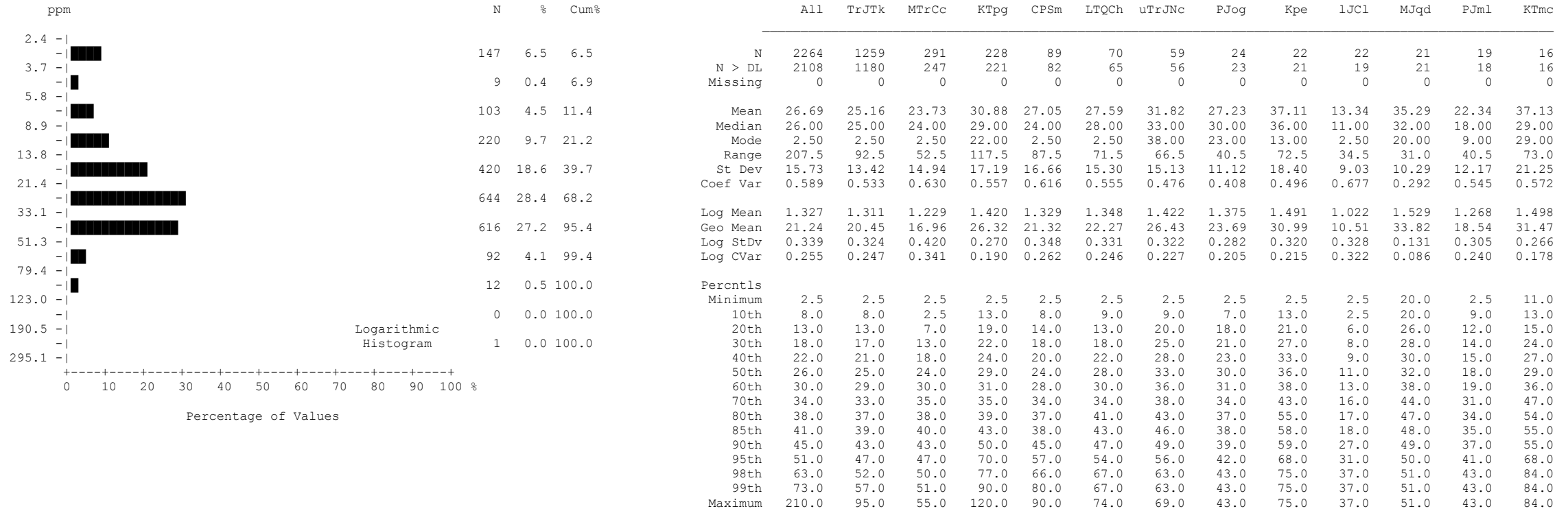


**Bromine (Br)**  
**Lake Sediment**

number of values : 2264  
 units : ppm  
 detection limit : 0.5  
 analytical method : INAA

## Bromine by INAA

## Summary Statistics

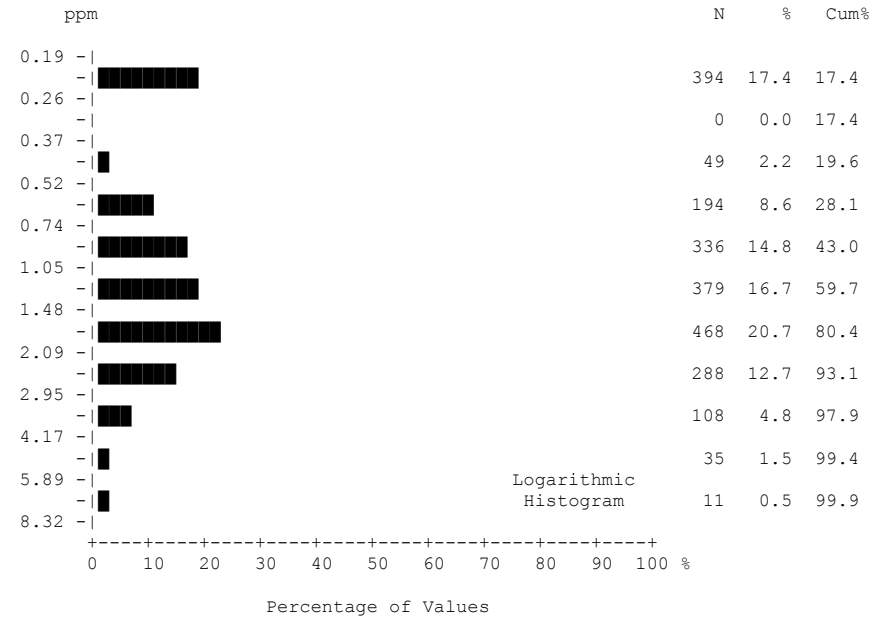


**Cerium (Ce)**  
**Lake Sediment**

number of values : 2264  
 units : ppm  
 detection limit : 5  
 analytical method : INAA

**Cerium by INAA**

## Summary Statistics



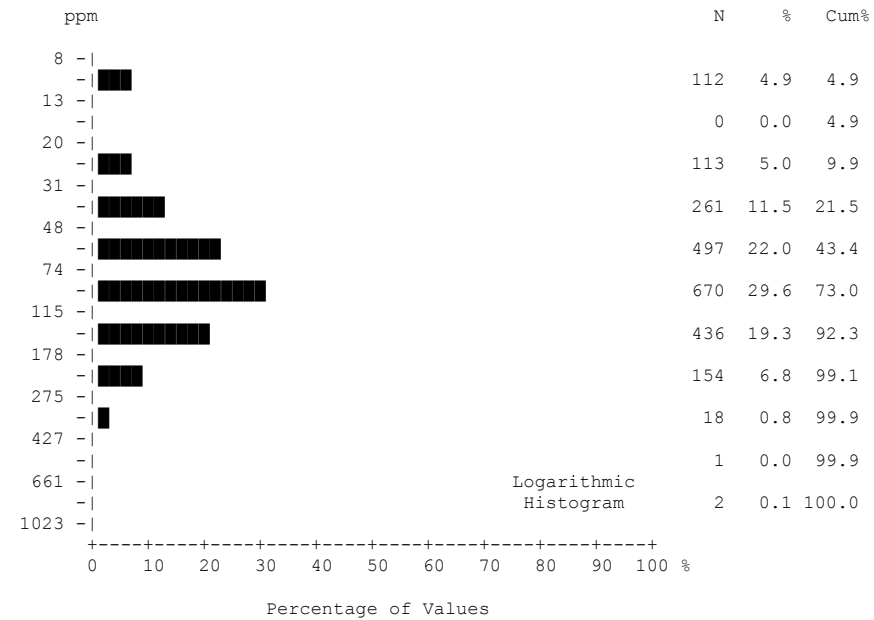
	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2264	1259	291	228	89	70	59	24	22	22	21	19	16
N > DL	1821	1016	223	191	69	52	52	21	20	9	21	11	16
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	1.39	1.38	1.45	1.26	1.28	1.36	1.38	1.99	1.73	0.63	1.78	0.77	2.46
Median	1.20	1.20	1.30	1.10	1.10	1.20	1.30	1.50	1.50	0.25	1.40	0.70	1.50
Mode	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.90	0.25	1.10
Range	8.55	8.15	5.45	6.15	4.15	5.35	3.15	4.85	3.95	2.25	4.50	1.55	7.90
St Dev	1.03	1.01	1.07	0.89	0.87	1.00	0.72	1.45	1.08	0.60	1.12	0.55	2.29
Coef Var	0.738	0.731	0.738	0.704	0.680	0.734	0.520	0.729	0.628	0.948	0.631	0.715	0.931
Log Mean	0.018	0.018	0.020	-0.005	-0.009	0.006	0.062	0.159	0.136	-0.330	0.179	-0.235	0.275
Geo Mean	1.04	1.04	1.05	0.99	0.98	1.01	1.15	1.44	1.37	0.47	1.51	0.58	1.88
Log StDv	0.354	0.352	0.385	0.322	0.347	0.365	0.296	0.392	0.334	0.323	0.247	0.344	0.295
Log CVar	19.666	20.688	20.270	-64.460	-43.330	72.966	4.860	2.463	2.454	-0.981	1.382	-1.464	1.073
Percentls													
Minimum	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.60	0.25	0.90
10th	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.80	0.25	1.10
20th	0.60	0.60	0.25	0.60	0.50	0.25	0.80	0.60	0.60	0.25	0.90	0.25	1.10
30th	0.80	0.80	0.70	0.80	0.70	0.90	1.00	1.00	1.00	0.25	0.90	0.25	1.20
40th	1.00	1.00	0.90	0.90	0.90	1.10	1.10	1.40	1.40	0.25	1.00	0.25	1.30
50th	1.20	1.20	1.30	1.10	1.10	1.20	1.30	1.50	1.50	0.25	1.40	0.70	1.50
60th	1.50	1.50	1.60	1.30	1.40	1.40	1.60	1.60	1.70	0.50	1.90	0.70	1.70
70th	1.70	1.70	1.90	1.50	1.60	1.60	1.70	2.50	1.80	0.60	2.00	0.90	1.70
80th	2.00	2.00	2.30	1.70	1.90	1.90	1.90	3.40	2.70	0.80	2.40	1.20	2.50
85th	2.30	2.20	2.60	1.90	2.10	2.10	2.10	3.50	2.90	1.10	2.60	1.40	4.80
90th	2.60	2.50	3.00	2.30	2.40	2.60	2.20	4.10	3.40	1.20	3.30	1.60	4.80
95th	3.30	3.30	3.20	2.90	2.90	3.30	2.60	4.90	3.60	2.00	3.50	1.60	6.70
98th	4.20	4.00	4.30	3.50	3.30	4.20	2.90	5.10	4.20	2.50	5.10	1.80	8.80
99th	4.90	4.70	4.60	4.60	3.50	4.20	2.90	5.10	4.20	2.50	5.10	1.80	8.80
Maximum	8.80	8.40	5.70	6.40	4.40	5.60	3.40	5.10	4.20	2.50	5.10	1.80	8.80

**Cesium (Cs)**  
**Lake Sediment**

number of values : 2264  
 units : ppm  
 detection limit : 0.5  
 analytical method : INAA

**Cesium by INAA**

## Summary Statistics



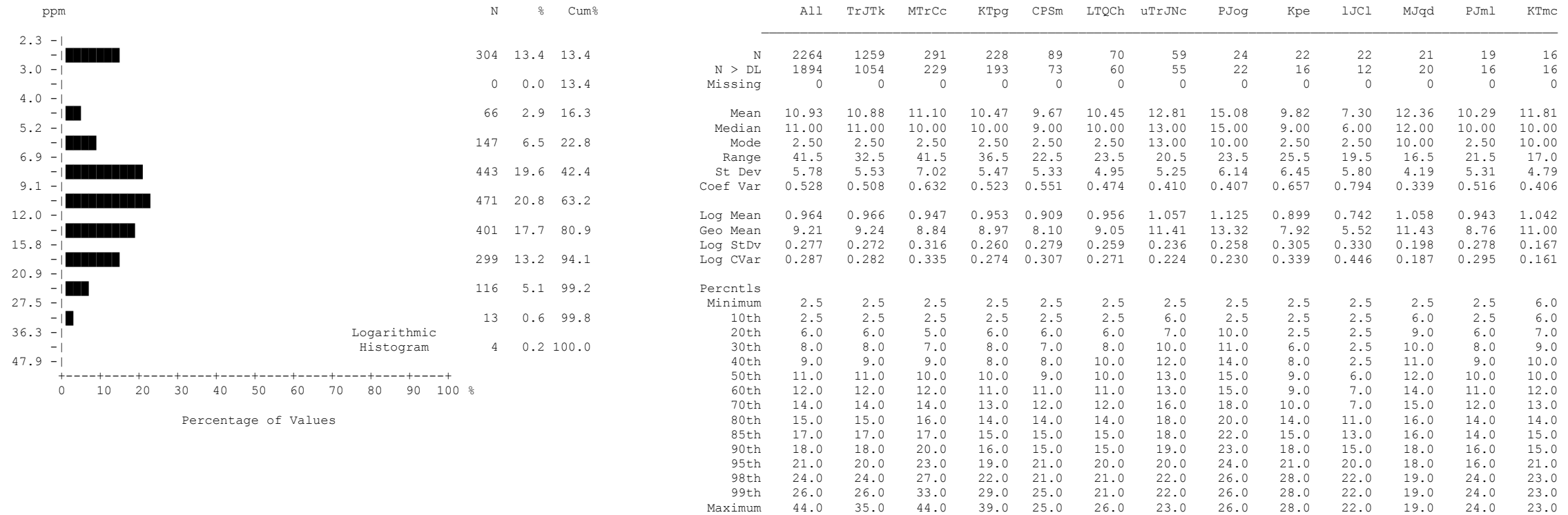
	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2264	1259	291	228	89	70	59	24	22	22	21	19	16
N > DL	2150	1211	251	221	87	65	57	24	20	18	21	18	16
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	91.7	94.3	74.9	94.0	101.7	86.4	96.2	113.4	93.9	61.9	57.8	79.5	103.9
Median	82.0	86.0	63.0	89.0	84.0	80.0	93.0	87.0	63.0	38.0	50.0	77.0	90.0
Mode	110.0	110.0	10.0	110.0	160.0	110.0	100.0	180.0	10.0	10.0	32.0	77.0	110.0
Range	770	680	350	290	300	220	240	236	410	210	70	210	207
St Dev	58.92	57.24	56.15	49.64	57.49	44.66	50.47	61.93	99.51	58.60	21.97	46.21	54.03
Coef Var	0.642	0.607	0.750	0.528	0.565	0.517	0.525	0.546	1.060	0.946	0.380	0.581	0.520
Log Mean	1.869	1.889	1.736	1.904	1.936	1.859	1.911	1.992	1.800	1.619	1.732	1.837	1.960
Geo Mean	74.0	77.4	54.5	80.2	86.3	72.3	81.4	98.2	63.0	41.6	54.0	68.7	91.1
Log StDv	0.311	0.298	0.381	0.268	0.267	0.298	0.284	0.242	0.396	0.404	0.164	0.248	0.238
Log CVar	0.166	0.158	0.220	0.141	0.138	0.160	0.149	0.122	0.220	0.250	0.095	0.135	0.122
Percentls													
Minimum	10	10	10	10	10	10	10	34	10	10	30	20	33
10th	31	33	10	40	41	31	33	38	10	10	32	28	36
20th	46	48	27	50	57	45	57	63	32	10	39	38	45
30th	57	60	40	61	68	62	74	75	41	32	40	68	72
40th	70	73	53	73	76	74	81	80	50	34	46	73	83
50th	82	86	63	89	84	80	93	87	63	38	50	77	90
60th	96	98	77	100	97	94	99	100	67	42	57	79	110
70th	110	110	91	110	120	100	110	130	78	48	71	80	110
80th	130	140	110	130	140	120	130	180	120	130	79	94	150
85th	150	150	120	140	160	130	140	180	130	140	86	100	150
90th	160	160	150	160	180	150	150	190	240	140	89	110	150
95th	190	190	190	180	190	160	190	210	290	170	93	130	170
98th	240	230	230	210	240	180	240	270	420	220	100	230	240
99th	270	260	240	240	300	180	240	270	420	220	100	230	240
Maximum	780	690	360	300	310	230	250	270	420	220	100	230	240

**Chromium (Cr)**  
**Lake Sediment**

number of values : 2264  
 units : ppm  
 detection limit : 20  
 analytical method : INAA

## Chromium by INAA

## Summary Statistics



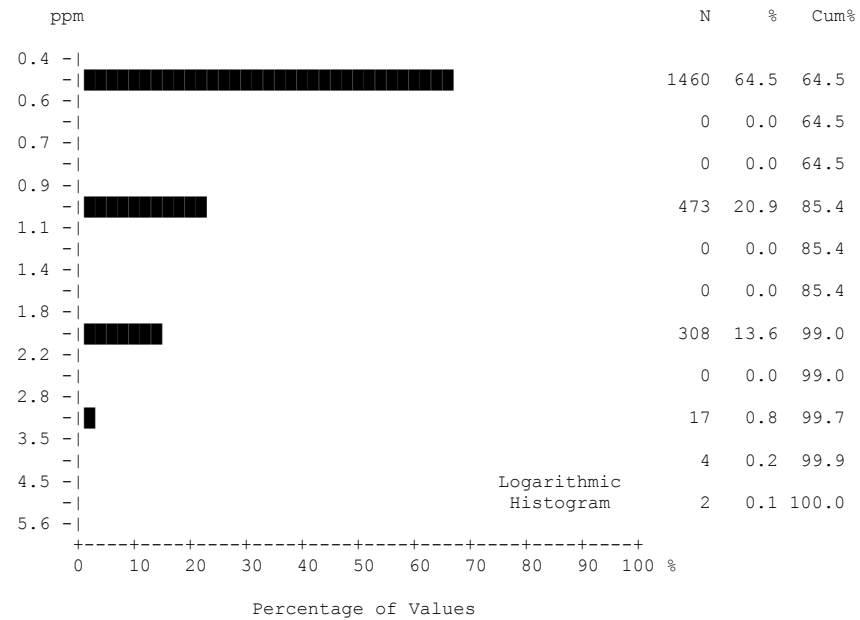
**Cobalt (Co)**  
**Lake Sediment**

number of values : 2264  
 units : ppm  
 detection limit : 5  
 analytical method : INAA

## Cobalt by INAA



## Summary Statistics



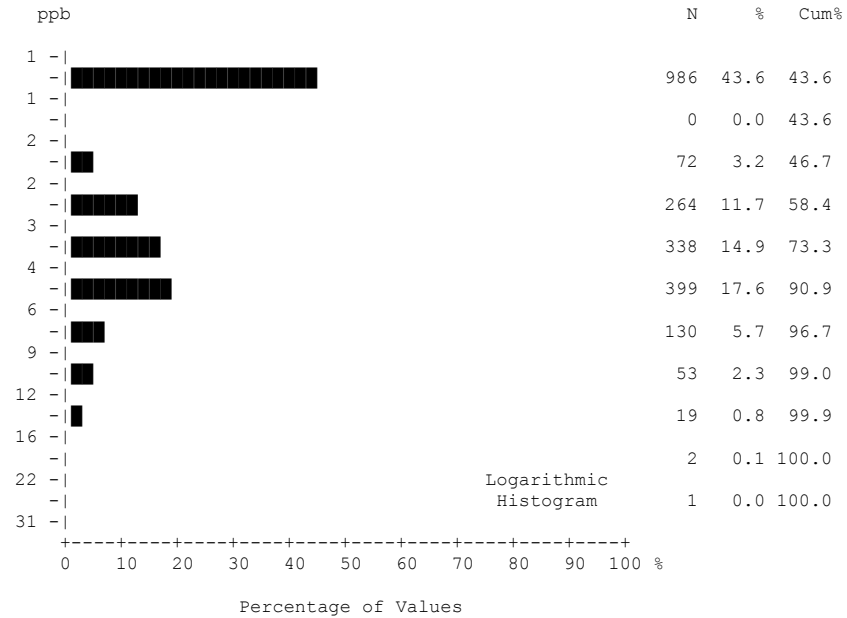
	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2264	1259	291	228	89	70	59	24	22	22	21	19	16
N > DL	331	170	25	51	15	10	11	2	5	0	3	3	5
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0.84	0.80	0.76	1.01	0.87	0.84	0.94	0.67	1.02	0.55	0.98	0.92	1.16
Median	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00	0.50	1.00	1.00	1.00
Mode	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00	0.50	1.00
Range	4.5	3.5	2.5	4.5	3.5	1.5	3.5	1.5	1.5	0.5	1.5	1.5	1.5
St Dev	0.58	0.54	0.45	0.72	0.64	0.52	0.68	0.43	0.59	0.15	0.49	0.53	0.63
Coef Var	0.687	0.666	0.596	0.712	0.732	0.626	0.726	0.651	0.574	0.270	0.499	0.580	0.541
Log Mean	-0.148	-0.162	-0.173	-0.083	-0.139	-0.142	-0.107	-0.226	-0.055	-0.274	-0.057	-0.095	0.000
Geo Mean	0.71	0.69	0.67	0.83	0.73	0.72	0.78	0.59	0.88	0.53	0.88	0.80	1.00
Log StDv	0.227	0.220	0.196	0.259	0.240	0.222	0.249	0.183	0.239	0.089	0.205	0.226	0.246
Log CVar	-1.547	-1.364	-1.134	-3.156	-1.742	-1.573	-2.322	-0.813	-4.432	-0.324	-3.589	-2.374	0.000
Percentls													
Minimum	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
10th	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
20th	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
30th	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
40th	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	0.5	1.0
50th	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	0.5	1.0	1.0	1.0
60th	0.5	0.5	0.5	1.0	0.5	0.5	1.0	0.5	1.0	0.5	1.0	1.0	1.0
70th	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	1.0	0.5	1.0	1.0	1.0
80th	1.0	1.0	1.0	2.0	1.0	1.0	1.0	0.5	2.0	0.5	1.0	1.0	2.0
85th	1.0	1.0	1.0	2.0	2.0	1.0	2.0	0.5	2.0	0.5	1.0	1.0	2.0
90th	2.0	2.0	1.0	2.0	2.0	2.0	2.0	1.0	2.0	0.5	2.0	2.0	2.0
95th	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0
98th	2.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0
99th	2.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0
Maximum	5.0	4.0	3.0	5.0	4.0	2.0	4.0	2.0	2.0	1.0	2.0	2.0	2.0

**Europium (Eu)**  
**Lake Sediment**

number of values : 2264  
units : ppm  
detection limit : 1  
analytical method : INAA

## Europium by INAA

## Summary Statistics



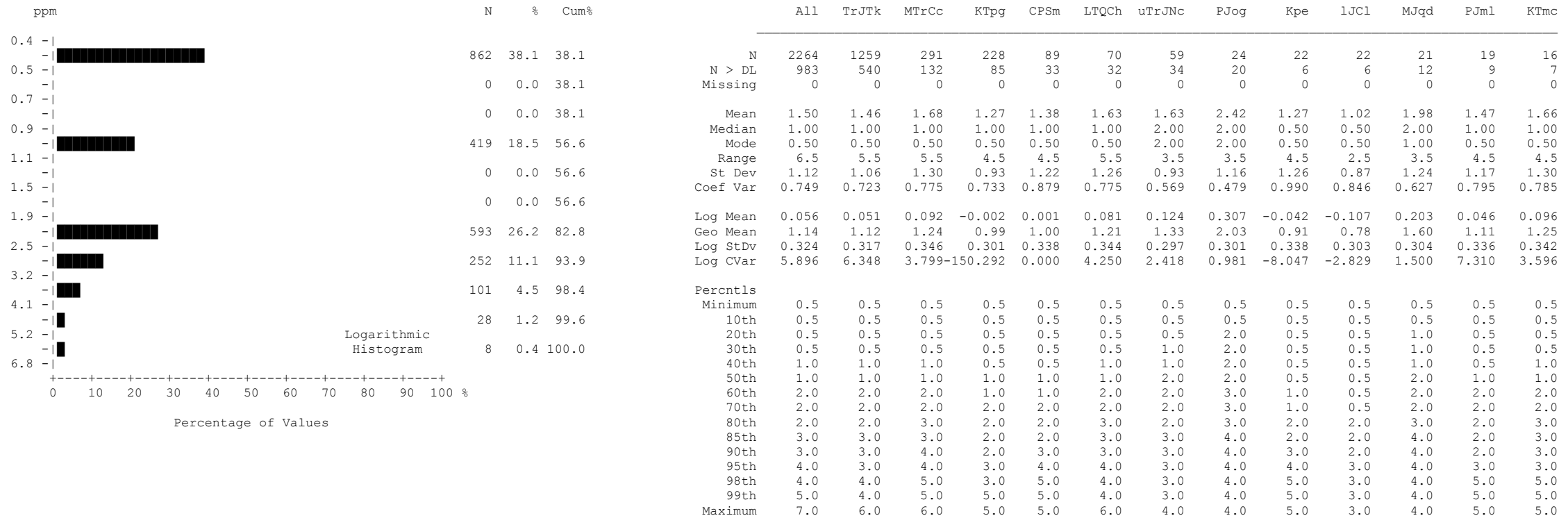
	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2264	1259	291	228	89	70	59	24	22	22	21	19	16
N > DL	1206	740	83	135	34	30	40	15	7	14	9	5	10
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	3.2	3.5	2.2	3.2	2.3	2.4	4.7	3.1	2.3	3.7	2.5	2.4	3.7
Median	3.0	3.0	1.0	3.0	1.0	1.0	4.0	4.0	1.0	3.0	1.0	1.0	4.0
Mode	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Range	24	24	15	11	6	7	15	6	6	10	5	9	6
St Dev	2.51	2.60	2.16	2.23	1.74	1.83	3.70	1.87	2.07	2.76	1.83	2.69	2.30
Coef Var	0.791	0.751	1.000	0.688	0.765	0.754	0.782	0.599	0.913	0.741	0.740	1.137	0.624
Log Mean	0.367	0.410	0.197	0.396	0.242	0.271	0.526	0.395	0.216	0.455	0.274	0.198	0.457
Geo Mean	2.3	2.6	1.6	2.5	1.7	1.9	3.4	2.5	1.6	2.9	1.9	1.6	2.9
Log StDv	0.347	0.347	0.312	0.332	0.306	0.312	0.386	0.322	0.333	0.337	0.329	0.355	0.346
Log CVar	0.946	0.849	1.585	0.840	1.272	1.156	0.733	0.816	1.542	0.741	1.202	1.794	0.757
Percentls													
Minimum	1	1	1	1	1	1	1	1	1	1	1	1	1
10th	1	1	1	1	1	1	1	1	1	1	1	1	1
20th	1	1	1	1	1	1	1	1	1	1	1	1	1
30th	1	1	1	1	1	1	2	1	1	2	1	1	1
40th	1	2	1	2	1	1	3	3	1	3	1	1	2
50th	3	3	1	3	1	1	4	4	1	3	1	1	4
60th	4	4	1	4	1	3	5	4	1	4	3	1	5
70th	4	5	2	4	3	3	6	4	1	4	4	1	5
80th	5	5	4	5	4	4	7	4	5	5	4	3	5
85th	6	6	4	5	4	4	8	5	5	6	5	4	7
90th	6	7	5	6	5	5	10	5	6	6	5	7	7
95th	8	8	6	7	6	6	12	6	6	10	5	7	7
98th	10	10	8	8	6	7	14	7	7	11	6	10	7
99th	11	11	9	10	7	7	14	7	7	11	6	10	7
Maximum	25	25	16	12	7	8	16	7	7	11	6	10	7

**Gold (Au)**  
**Lake Sediment**

number of values : 2264  
 units : ppb  
 detection limit : 2  
 analytical method : INAA

**Gold by INAA**

## Summary Statistics

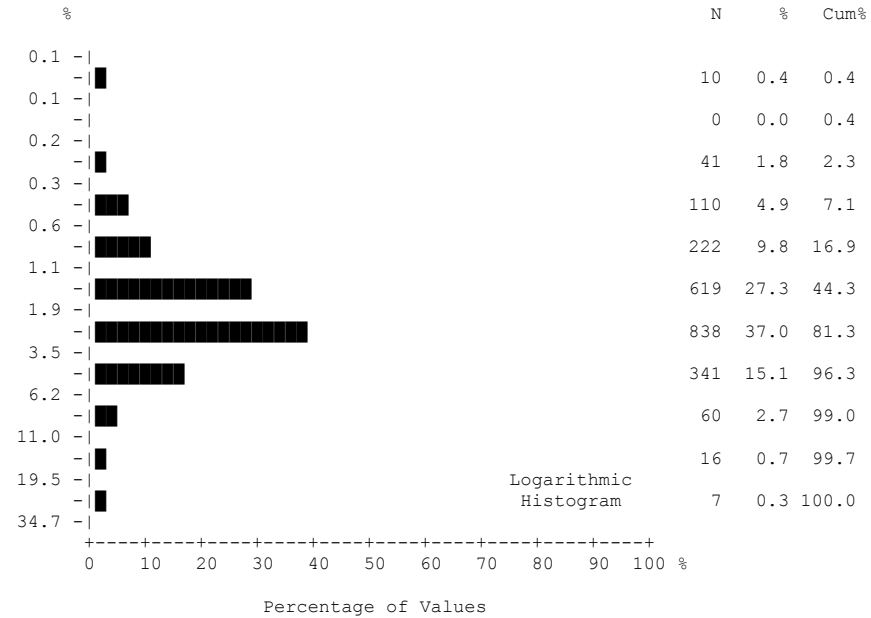


**Hafnium (Hf)**  
**Lake Sediment**

number of values : 2264  
 units : ppm  
 detection limit : 1  
 analytical method : INAA

## Hafnium by INAA

## Summary Statistics



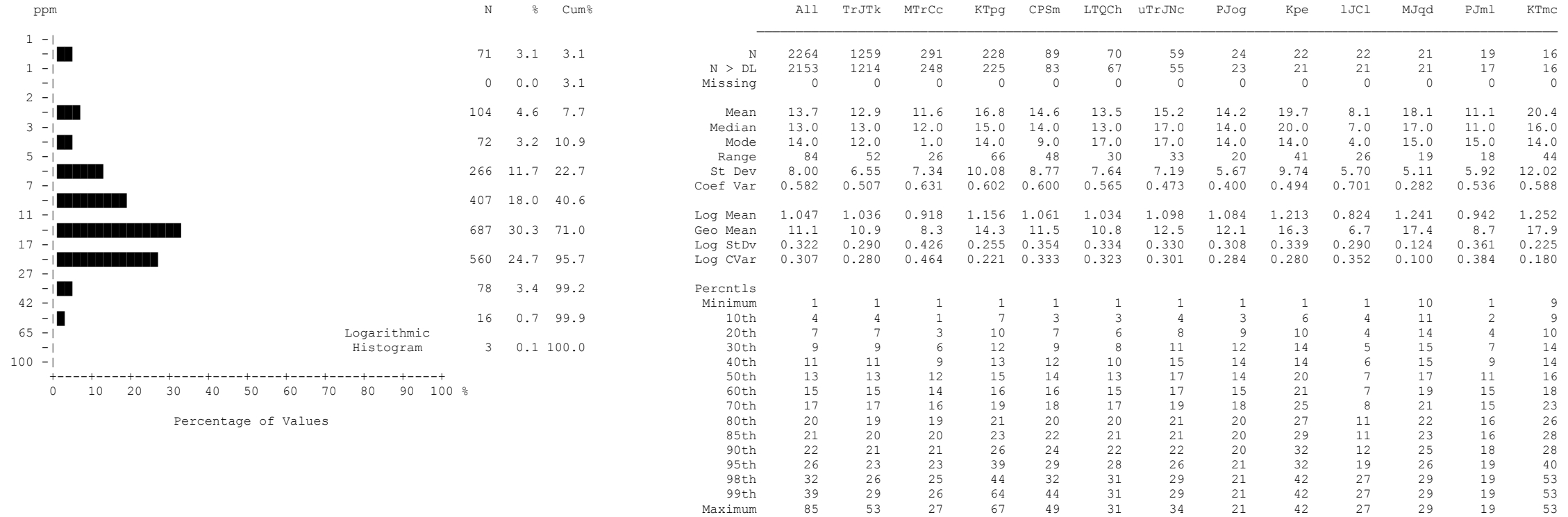
	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2264	1259	291	228	89	70	59	24	22	22	21	19	16
N > DL	2247	1249	289	224	89	70	59	24	21	22	21	19	16
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	2.52	2.45	3.34	1.99	1.93	2.94	2.62	2.98	1.69	1.96	3.20	2.48	2.26
Median	2.20	2.10	2.50	1.70	1.70	2.60	2.70	3.10	1.20	1.00	2.80	2.10	2.20
Mode	1.40	1.30	0.90	0.90	0.70	1.70	1.40	3.10	0.40	0.40	2.20	1.60	2.00
Range	29.8	29.8	26.4	15.9	8.7	26.9	6.4	5.6	4.6	9.1	5.0	6.6	4.7
St Dev	2.23	2.10	3.27	1.67	1.39	3.21	1.32	1.34	1.23	2.32	1.19	1.65	1.12
Coef Var	0.884	0.858	0.977	0.835	0.723	1.091	0.502	0.449	0.728	1.185	0.371	0.663	0.496
Log Mean	0.293	0.288	0.396	0.187	0.183	0.373	0.352	0.406	0.091	0.077	0.478	0.319	0.302
Geo Mean	1.96	1.94	2.49	1.54	1.52	2.36	2.25	2.55	1.23	1.19	3.01	2.08	2.00
Log StDv	0.316	0.305	0.330	0.328	0.313	0.266	0.261	0.292	0.397	0.421	0.156	0.265	0.229
Log CVar	1.077	1.058	0.836	1.752	1.721	0.715	0.741	0.720	4.414	5.542	0.326	0.833	0.760
Percentls													
Minimum	0.1	0.1	0.1	0.1	0.3	0.4	0.5	0.3	0.1	0.3	1.4	0.5	0.6
10th	0.8	0.8	0.9	0.6	0.5	1.1	0.8	0.6	0.4	0.4	2.0	1.0	0.9
20th	1.2	1.2	1.4	0.9	0.8	1.4	1.4	1.5	0.4	0.4	2.2	1.5	1.2
30th	1.5	1.5	1.8	1.1	1.1	1.8	1.7	2.6	1.0	0.6	2.3	1.6	1.8
40th	1.8	1.8	2.1	1.4	1.4	2.2	2.3	3.0	1.1	0.7	2.7	1.7	2.0
50th	2.2	2.1	2.5	1.7	1.7	2.6	2.7	3.1	1.2	1.0	2.8	2.1	2.2
60th	2.5	2.5	3.1	2.1	1.9	2.8	2.9	3.1	1.4	1.4	3.2	2.2	2.3
70th	2.9	2.8	3.5	2.4	2.2	3.0	3.1	3.4	2.3	1.4	3.6	2.6	2.4
80th	3.4	3.3	4.2	2.6	2.6	3.3	3.6	3.5	2.9	2.7	4.4	3.0	2.5
85th	3.7	3.6	4.9	2.8	3.1	3.7	3.7	3.6	2.9	3.9	4.4	3.3	3.3
90th	4.3	4.0	5.8	3.3	3.6	4.4	4.0	4.8	3.6	5.5	4.5	3.4	3.3
95th	5.4	4.9	8.0	4.7	4.3	5.8	4.8	5.4	3.6	6.2	4.9	6.1	3.5
98th	7.5	7.0	16.0	5.9	4.9	6.3	5.1	5.9	4.7	9.4	6.4	7.1	5.3
99th	10.0	8.8	19.0	6.7	6.4	6.3	5.1	5.9	4.7	9.4	6.4	7.1	5.3
Maximum	29.9	29.9	26.5	16.0	9.0	27.3	6.9	5.9	4.7	9.4	6.4	7.1	5.3

**Iron (Fe)**  
**Lake Sediment**

number of values : 2264  
units : %  
detection limit : 0.2  
analytical method : INAA

**Iron by INAA**

## Summary Statistics

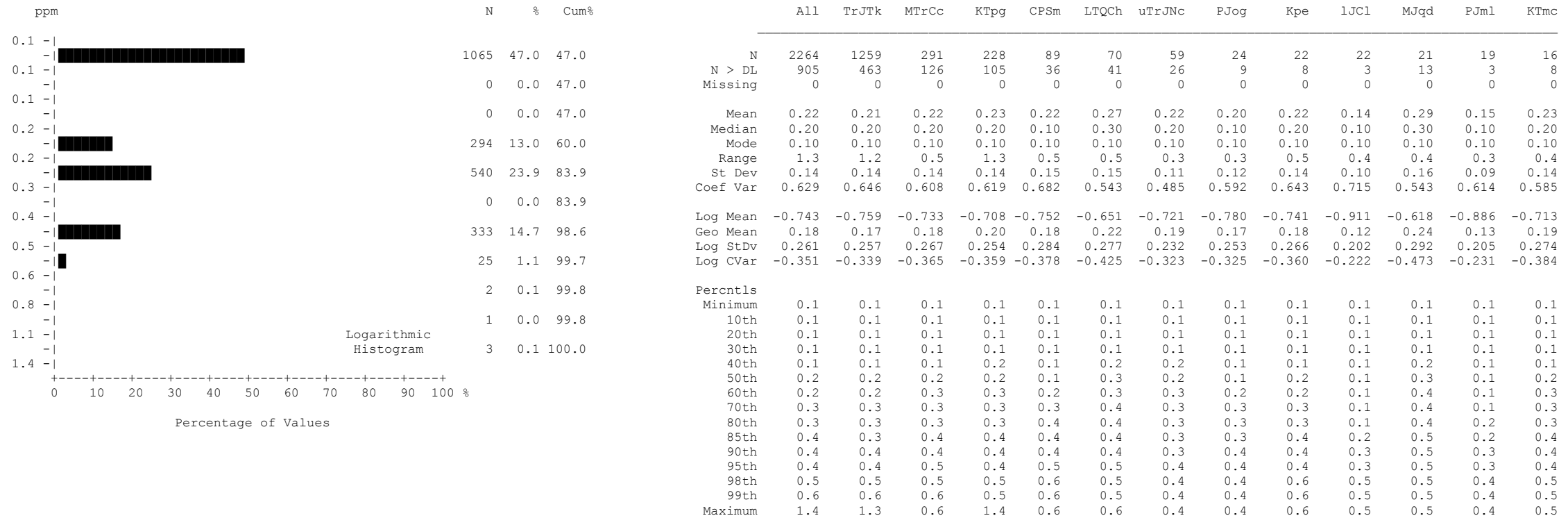


### Lanthanum (La) Lake Sediment

number of values : 2264  
 units : ppm  
 detection limit : 2  
 analytical method : INAA

### Lanthanum by INAA

## Summary Statistics

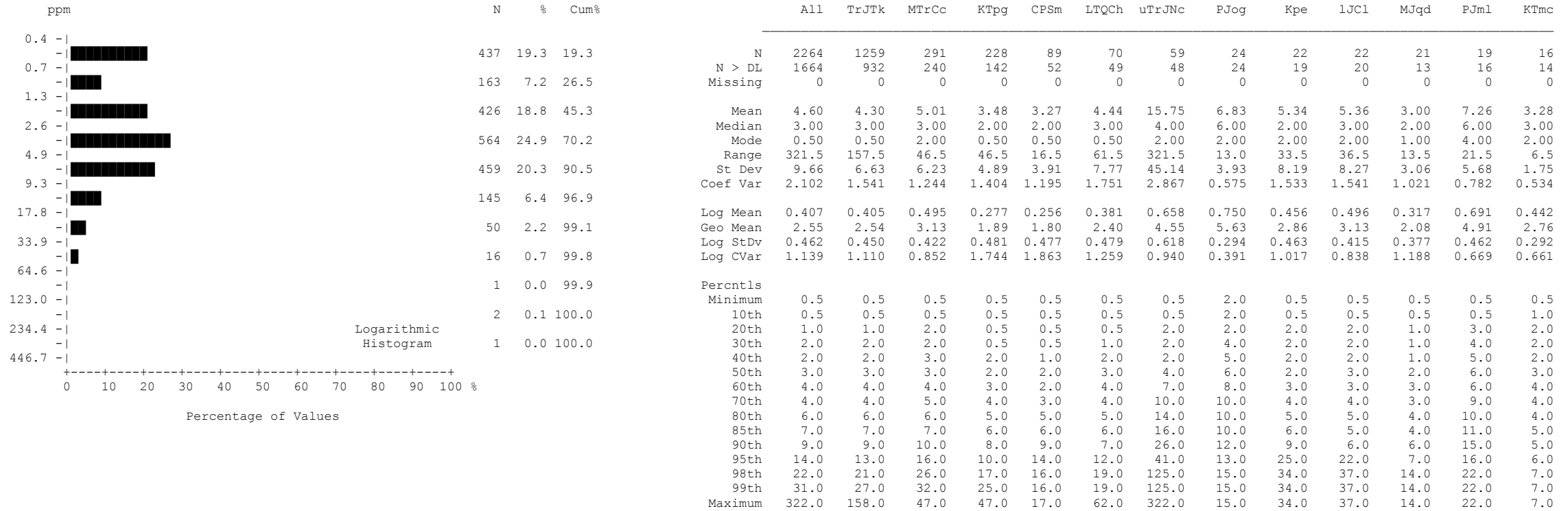


**Lutetium (Lu)**  
**Lake Sediment**

number of values : 2264  
 units : ppm  
 detection limit : 0.2  
 analytical method : INAA

## Lutetium by INAA

## Summary Statistics



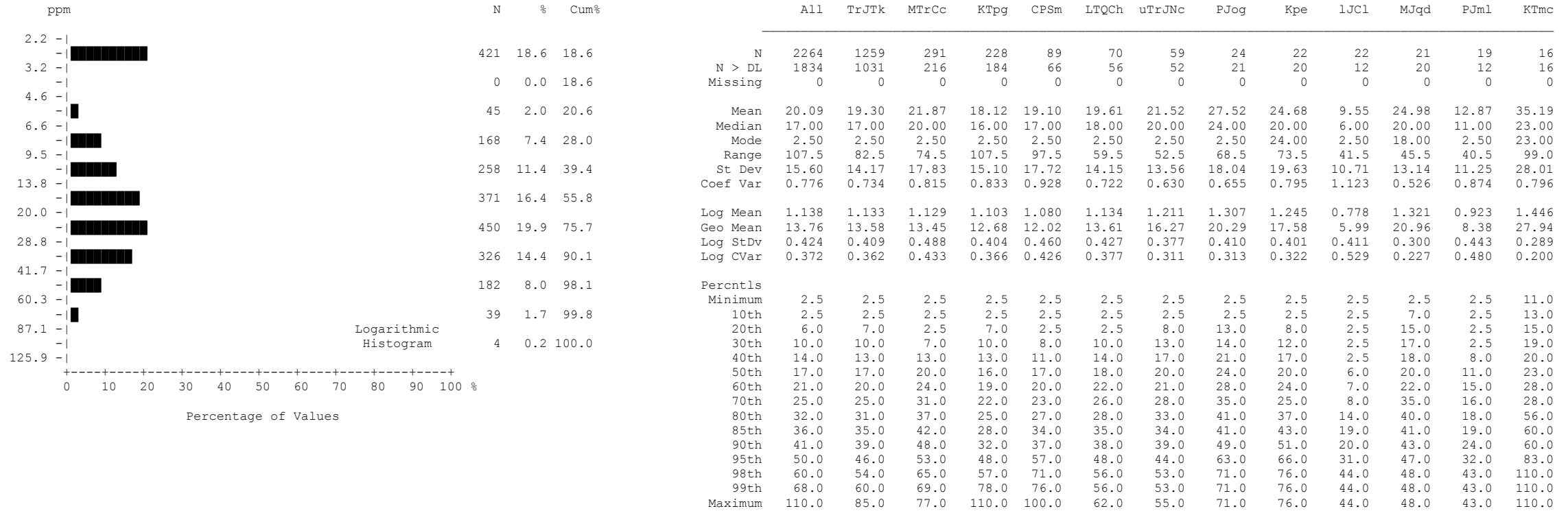
### Molybdenum (Mo)

#### Lake Sediment

number of values : 2264  
 units : ppm  
 detection limit : 1  
 analytical method : INAA

### Molybdenum by INAA

## Summary Statistics



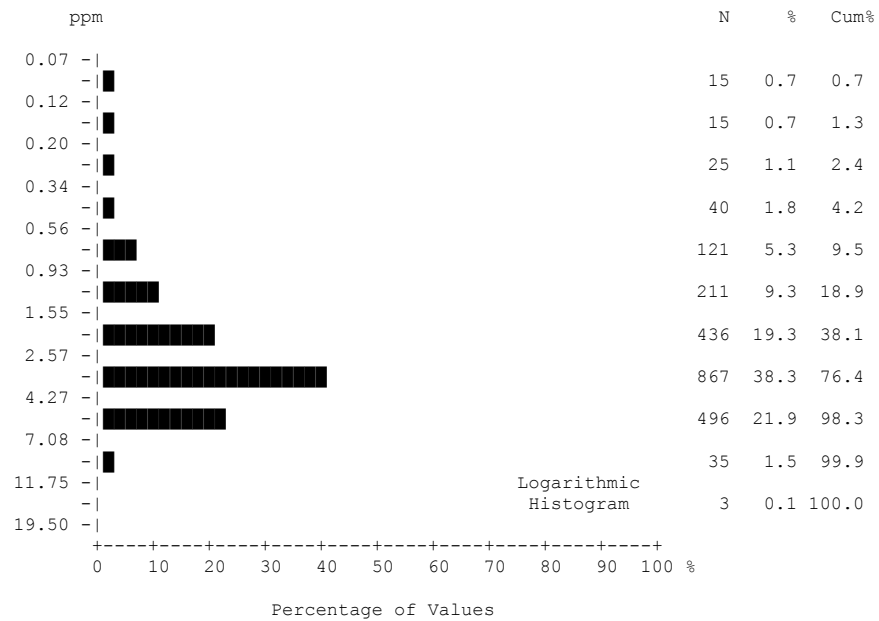
**Rubidium (Rb)**  
**Lake Sediment**

number of values : 2264  
units : ppm  
detection limit : 5  
analytical method : INAA

## Rubidium by INAA



## Summary Statistics



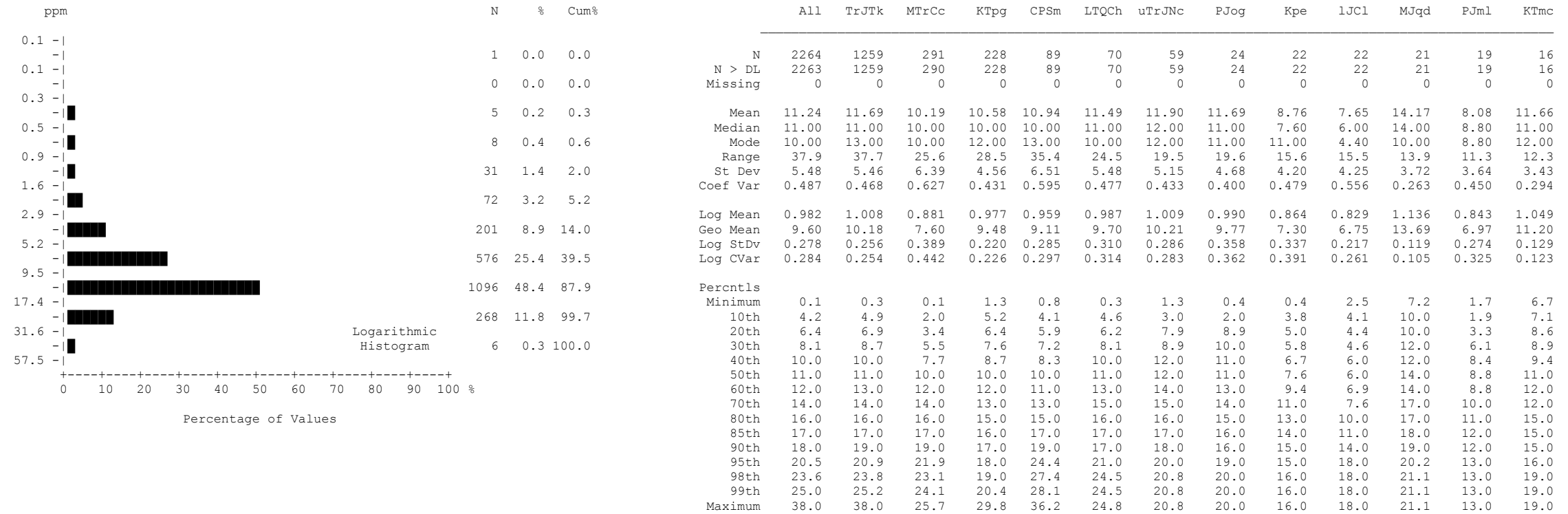
	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2264	1259	291	228	89	70	59	24	22	22	21	19	16
N > DL	2249	1255	285	227	88	69	58	23	22	22	21	19	16
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	3.13	3.04	2.58	3.77	3.46	3.31	3.41	3.32	3.78	1.82	3.81	2.32	4.16
Median	3.10	2.90	2.60	3.60	3.50	3.10	3.60	3.50	4.20	1.50	3.60	2.40	3.70
Mode	3.40	2.60	0.60	3.60	0.70	1.10	3.60	4.50	0.50	0.90	3.30	3.40	3.70
Range	16.2	11.0	6.9	16.2	12.1	8.0	8.3	4.7	6.4	4.3	3.7	4.5	4.7
St Dev	1.70	1.54	1.61	1.94	1.98	1.85	1.68	1.25	1.95	1.07	1.00	1.36	1.44
Coef Var	0.543	0.506	0.624	0.516	0.572	0.560	0.491	0.378	0.514	0.587	0.264	0.585	0.347
Log Mean	0.410	0.410	0.271	0.512	0.438	0.422	0.438	0.445	0.468	0.197	0.566	0.237	0.593
Geo Mean	2.57	2.57	1.86	3.25	2.74	2.64	2.74	2.78	2.94	1.57	3.69	1.72	3.92
Log StDv	0.317	0.283	0.417	0.271	0.354	0.348	0.366	0.361	0.388	0.237	0.115	0.416	0.155
Log CVar	0.775	0.689	1.543	0.530	0.809	0.827	0.837	0.812	0.831	1.211	0.204	1.764	0.262
Percentls													
Minimum	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.5	2.3	0.2	2.0
10th	1.0	1.1	0.4	1.7	0.8	1.1	0.8	0.8	0.5	0.8	2.4	0.2	2.3
20th	1.6	1.6	0.7	2.4	1.7	1.5	1.8	2.6	1.3	0.9	2.7	0.7	2.8
30th	2.1	2.1	1.3	2.9	2.3	1.9	2.5	2.8	2.7	1.1	3.1	1.4	3.3
40th	2.6	2.5	2.0	3.2	2.9	2.6	3.3	3.3	3.8	1.3	3.3	1.8	3.5
50th	3.1	2.9	2.6	3.6	3.5	3.1	3.6	3.5	4.2	1.5	3.6	2.4	3.7
60th	3.5	3.4	3.1	3.9	3.9	3.8	3.9	3.6	4.6	1.8	3.9	2.6	4.0
70th	4.0	3.8	3.7	4.2	4.5	4.3	4.2	3.9	5.0	1.9	4.3	3.1	4.9
80th	4.5	4.4	4.2	4.8	5.0	4.9	4.5	4.5	5.5	2.4	4.6	3.4	5.5
85th	4.8	4.6	4.4	5.2	5.4	5.1	4.9	4.5	5.5	2.7	4.8	3.4	5.7
90th	5.2	5.1	4.6	5.8	5.8	5.6	5.1	4.6	5.8	2.8	4.9	4.0	5.7
95th	5.9	5.6	5.1	7.0	6.0	6.2	6.0	4.8	6.0	4.2	5.5	4.0	6.5
98th	6.8	6.4	5.3	9.3	7.1	7.7	6.2	4.8	6.7	4.8	6.0	4.7	6.7
99th	7.7	6.9	5.8	10.0	7.3	7.7	6.2	4.8	6.7	4.8	6.0	4.7	6.7
Maximum	16.3	11.1	7.0	16.3	12.2	8.1	8.4	4.8	6.7	4.8	6.0	4.7	6.7

### Samarium (Sm) Lake Sediment

number of values : 2264  
 units : ppm  
 detection limit : 0.1  
 analytical method : INAA

### Samarium by INAA

## Summary Statistics

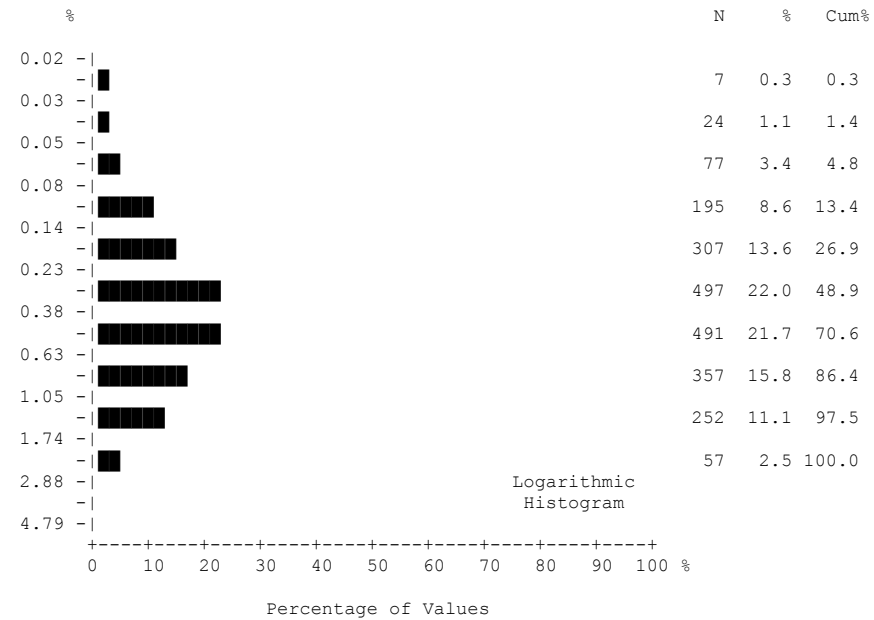


**Scandium (Sc)**  
**Lake Sediment**

number of values : 2264  
 units : ppm  
 detection limit : 0.2  
 analytical method : INAA

## Scandium by INAA

## Summary Statistics



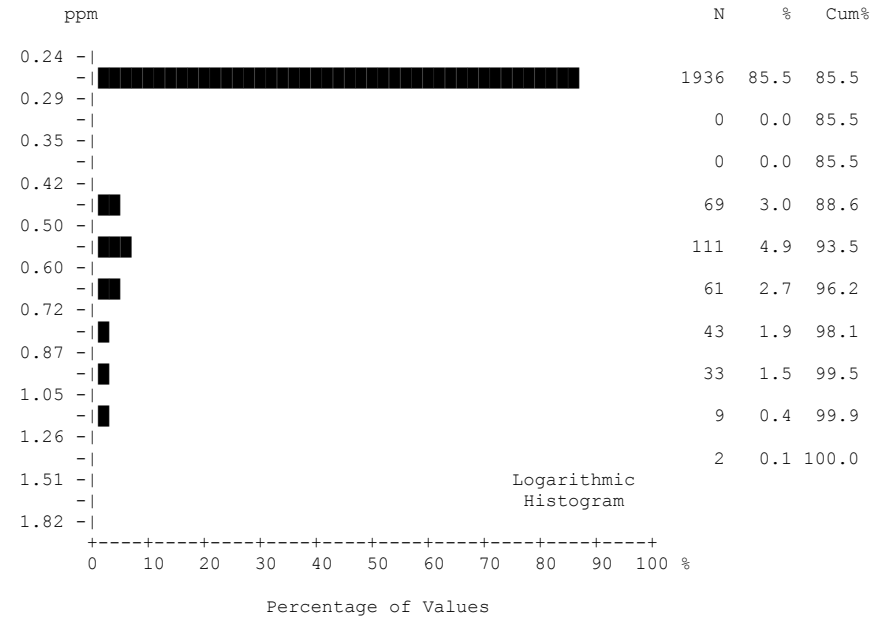
	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2264	1259	291	228	89	70	59	24	22	22	21	19	16
N > DL	2262	1259	290	228	89	70	59	24	21	22	21	19	16
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0.54	0.56	0.66	0.36	0.33	0.55	0.48	0.82	0.38	0.48	0.90	0.50	0.42
Median	0.39	0.42	0.44	0.30	0.26	0.32	0.39	0.78	0.24	0.19	0.63	0.37	0.35
Mode	1.10	1.10	1.10	0.16	0.13	0.32	0.17	1.00	0.40	0.10	0.22	0.23	0.56
Range	2.82	2.59	2.82	1.06	1.06	1.98	1.33	1.67	1.48	1.62	2.31	1.81	0.82
St Dev	0.46	0.45	0.58	0.25	0.25	0.52	0.34	0.45	0.39	0.53	0.70	0.44	0.25
Coef Var	0.844	0.808	0.876	0.676	0.755	0.939	0.703	0.548	1.022	1.107	0.776	0.879	0.601
Log Mean	-0.418	-0.394	-0.372	-0.549	-0.597	-0.431	-0.425	-0.196	-0.606	-0.562	-0.169	-0.424	-0.470
Geo Mean	0.38	0.40	0.42	0.28	0.25	0.37	0.38	0.64	0.25	0.27	0.68	0.38	0.34
Log StDv	0.378	0.366	0.446	0.327	0.332	0.402	0.325	0.394	0.425	0.460	0.339	0.329	0.309
Log CVar	-0.905	-0.931	-1.201	-0.597	-0.556	-0.935	-0.766	-2.021	-0.703	-0.819	-2.007	-0.777	-0.659
Percentls													
Minimum	0.02	0.03	0.02	0.04	0.04	0.05	0.07	0.03	0.02	0.08	0.22	0.09	0.10
10th	0.12	0.13	0.09	0.10	0.10	0.10	0.14	0.09	0.08	0.08	0.22	0.10	0.12
20th	0.18	0.19	0.16	0.14	0.13	0.17	0.19	0.41	0.09	0.10	0.25	0.23	0.13
30th	0.25	0.27	0.25	0.18	0.16	0.23	0.24	0.59	0.20	0.11	0.44	0.25	0.21
40th	0.32	0.34	0.34	0.25	0.20	0.28	0.30	0.64	0.22	0.16	0.46	0.29	0.30
50th	0.39	0.42	0.44	0.30	0.26	0.32	0.39	0.78	0.24	0.19	0.63	0.37	0.35
60th	0.49	0.50	0.60	0.36	0.29	0.42	0.46	0.82	0.31	0.22	0.76	0.43	0.51
70th	0.63	0.64	0.88	0.47	0.38	0.56	0.59	1.00	0.34	0.41	0.94	0.48	0.56
80th	0.84	0.87	1.10	0.57	0.50	0.88	0.72	1.00	0.40	1.00	1.70	0.58	0.65
85th	1.00	1.00	1.30	0.65	0.67	1.00	0.83	1.30	0.40	1.10	1.80	0.69	0.68
90th	1.20	1.20	1.50	0.71	0.77	1.40	0.92	1.50	1.10	1.20	2.00	0.70	0.68
95th	1.50	1.50	1.70	0.85	0.88	2.00	1.30	1.60	1.20	1.70	2.03	1.30	0.74
98th	1.80	1.80	2.21	0.93	0.90	2.01	1.30	1.70	1.50	1.70	2.53	1.90	0.92
99th	2.03	1.90	2.34	1.00	0.92	2.01	1.30	1.70	1.50	1.70	2.53	1.90	0.92
Maximum	2.84	2.62	2.84	1.10	1.10	2.03	1.40	1.70	1.50	1.70	2.53	1.90	0.92

**Sodium (Na)**  
**Lake Sediment**

number of values : 2264  
 units : %  
 detection limit : 0.02  
 analytical method : INAA

**Sodium by INAA**

## Summary Statistics



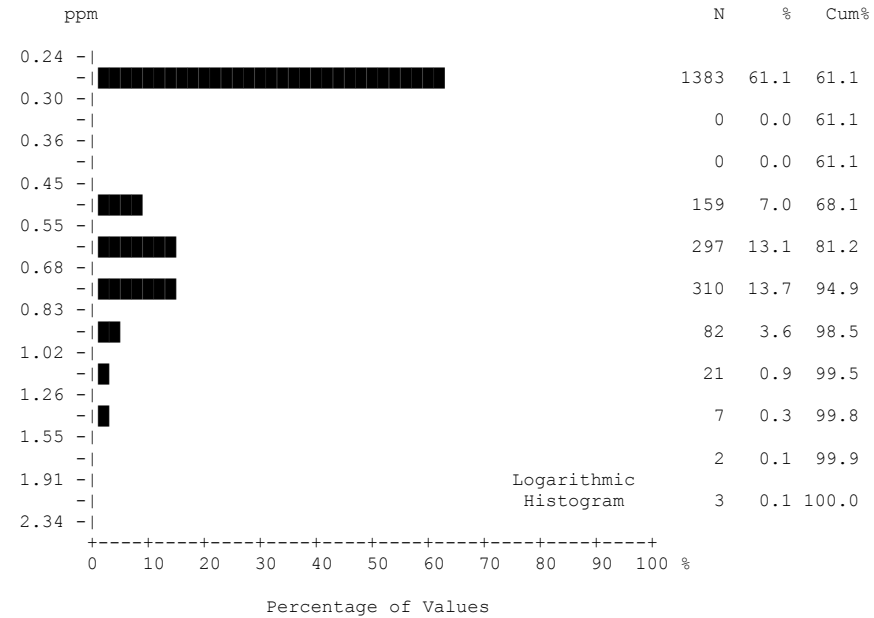
	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2264	1259	291	228	89	70	59	24	22	22	21	19	16
N > DL	259	116	52	17	10	8	7	9	4	1	2	1	4
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0.31	0.30	0.33	0.30	0.31	0.31	0.34	0.43	0.37	0.27	0.30	0.29	0.42
Median	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Mode	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Range	1.25	0.95	0.75	1.25	0.85	0.75	0.65	0.65	0.85	0.35	0.35	0.35	0.85
St Dev	0.16	0.14	0.18	0.17	0.18	0.17	0.16	0.22	0.24	0.07	0.12	0.11	0.29
Coef Var	0.522	0.477	0.535	0.577	0.575	0.549	0.484	0.526	0.663	0.281	0.390	0.366	0.681
Log Mean	-0.541	-0.550	-0.519	-0.561	-0.548	-0.544	-0.509	-0.426	-0.496	-0.585	-0.552	-0.550	-0.449
Geo Mean	0.29	0.28	0.30	0.27	0.28	0.29	0.31	0.37	0.32	0.26	0.28	0.28	0.36
Log StDv	0.153	0.139	0.172	0.140	0.157	0.156	0.167	0.218	0.208	0.081	0.128	0.124	0.244
Log CVar	-0.283	-0.253	-0.331	-0.249	-0.287	-0.286	-0.328	-0.511	-0.420	-0.139	-0.232	-0.225	-0.545
Percentls													
Minimum	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
10th	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
20th	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
30th	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
40th	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
50th	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
60th	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
70th	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.60	0.25	0.25	0.25	0.25	0.25
80th	0.25	0.25	0.25	0.25	0.25	0.25	0.50	0.60	0.50	0.25	0.25	0.25	0.70
85th	0.25	0.25	0.60	0.25	0.25	0.25	0.50	0.70	0.60	0.25	0.25	0.25	0.80
90th	0.60	0.50	0.60	0.25	0.60	0.60	0.60	0.70	0.70	0.25	0.50	0.50	0.80
95th	0.70	0.70	0.70	0.60	0.70	0.70	0.70	0.80	0.90	0.25	0.60	0.50	0.90
98th	0.80	0.80	0.90	0.80	0.80	1.00	0.80	0.90	1.10	0.60	0.60	0.60	1.10
99th	1.00	0.90	1.00	1.20	1.10	1.00	0.80	0.90	1.10	0.60	0.60	0.60	1.10
Maximum	1.50	1.20	1.00	1.50	1.10	1.00	0.90	0.90	1.10	0.60	0.60	0.60	1.10

**Tantalum (Ta)**  
**Lake Sediment**

number of values : 2264  
 units : ppm  
 detection limit : 0.5  
 analytical method : INAA

**Tantalum by INAA**

## Summary Statistics



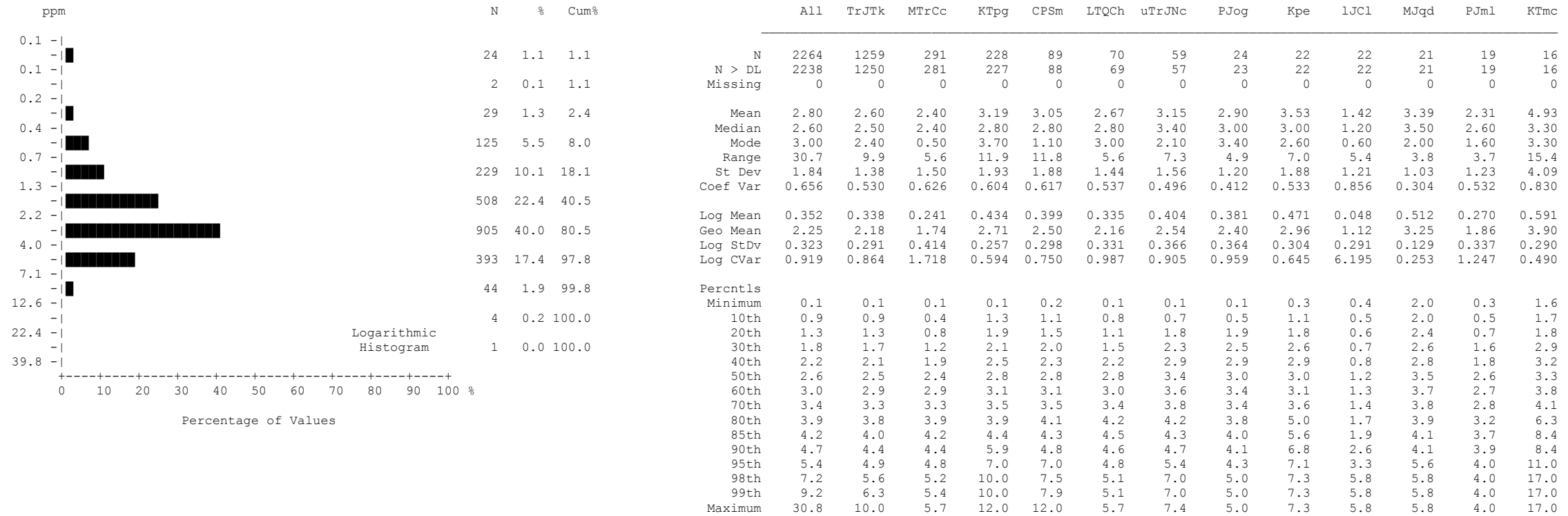
	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2264	1259	291	228	89	70	59	24	22	22	21	19	16
N > DL	722	368	75	90	38	23	19	8	12	3	15	4	7
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0.42	0.40	0.40	0.48	0.47	0.42	0.42	0.40	0.52	0.31	0.62	0.33	0.46
Median	0.25	0.25	0.25	0.50	0.25	0.25	0.25	0.25	0.60	0.25	0.60	0.25	0.25
Mode	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.70	0.25	0.25
Range	1.95	1.75	0.85	1.95	0.95	0.95	0.85	0.55	0.65	0.55	0.75	0.45	0.55
St Dev	0.24	0.23	0.22	0.28	0.27	0.25	0.22	0.21	0.23	0.16	0.20	0.16	0.23
Coef Var	0.579	0.569	0.559	0.582	0.566	0.586	0.529	0.540	0.438	0.517	0.327	0.482	0.493
Log Mean	-0.435	-0.450	-0.459	-0.385	-0.394	-0.436	-0.429	-0.456	-0.330	-0.541	-0.235	-0.518	-0.393
Geo Mean	0.37	0.35	0.35	0.41	0.40	0.37	0.37	0.35	0.47	0.29	0.58	0.30	0.40
Log StDv	0.218	0.210	0.209	0.229	0.236	0.225	0.212	0.212	0.218	0.157	0.174	0.167	0.221
Log CVar	-0.501	-0.468	-0.455	-0.596	-0.600	-0.515	-0.496	-0.465	-0.664	-0.291	-0.739	-0.322	-0.565
Percentls													
Minimum	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
10th	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
20th	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.50	0.25	0.25
30th	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.50	0.25	0.25
40th	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.50	0.25	0.60	0.25	0.25
50th	0.25	0.25	0.25	0.50	0.25	0.25	0.25	0.25	0.60	0.25	0.60	0.25	0.25
60th	0.25	0.25	0.25	0.50	0.60	0.25	0.50	0.25	0.60	0.25	0.70	0.25	0.60
70th	0.60	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.70	0.25	0.70	0.25	0.60
80th	0.60	0.60	0.60	0.70	0.70	0.70	0.60	0.70	0.70	0.25	0.70	0.25	0.70
85th	0.70	0.70	0.70	0.70	0.80	0.70	0.60	0.70	0.70	0.25	0.80	0.60	0.70
90th	0.80	0.70	0.70	0.80	0.80	0.80	0.80	0.70	0.80	0.60	0.90	0.60	0.70
95th	0.90	0.80	0.80	0.90	1.00	0.90	0.80	0.70	0.80	0.70	0.90	0.60	0.80
98th	1.00	0.90	0.90	1.10	1.10	0.90	0.80	0.80	0.90	0.80	1.00	0.70	0.80
99th	1.10	1.00	0.90	1.40	1.10	0.90	0.80	0.80	0.90	0.80	1.00	0.70	0.80
Maximum	2.20	2.00	1.10	2.20	1.20	1.20	1.10	0.80	0.90	0.80	1.00	0.70	0.80

**Terbium (Tb)**  
**Lake Sediment**

number of values : 2264  
 units : ppm  
 detection limit : 0.5  
 analytical method : INAA

## Terbium by INAA

## Summary Statistics

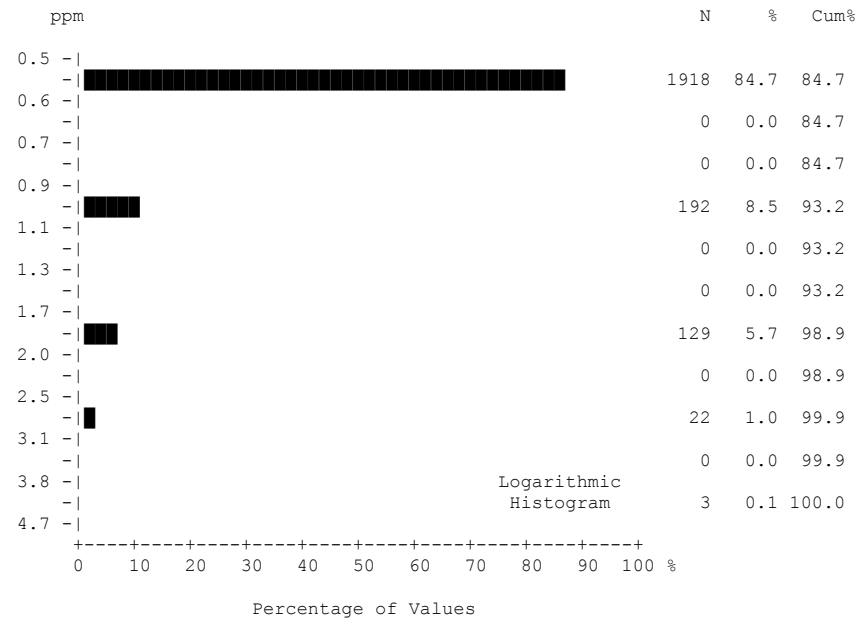


**Thorium (Th)**  
**Lake Sediment**

number of values : 2264  
 units : ppm  
 detection limit : 0.2  
 analytical method : INAA

## Thorium by INAA

## Summary Statistics



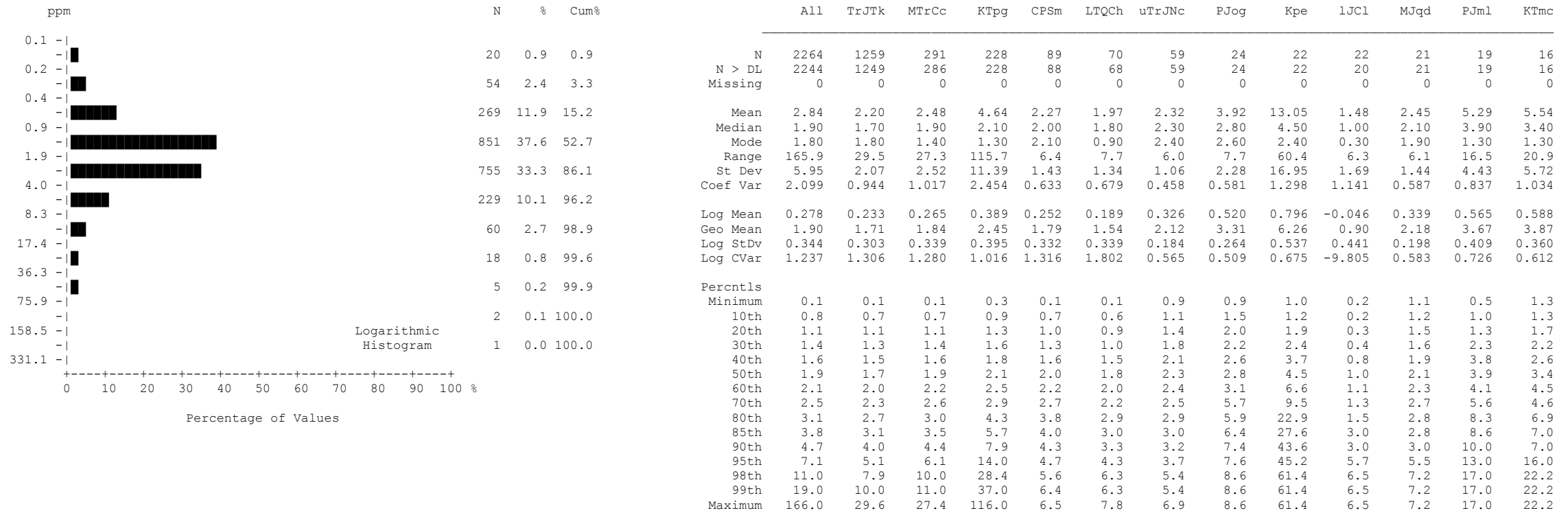
	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2264	1259	291	228	89	70	59	24	22	22	21	19	16
N > DL	154	90	13	15	5	1	5	1	3	3	2	1	1
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0.66	0.66	0.64	0.67	0.62	0.58	0.67	0.63	0.70	0.77	0.67	0.68	0.72
Median	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Mode	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Range	3.5	3.5	3.5	2.5	1.5	1.5	2.5	2.5	1.5	2.5	1.5	1.5	2.5
St Dev	0.45	0.45	0.41	0.45	0.36	0.24	0.50	0.52	0.53	0.67	0.46	0.38	0.63
Coef Var	0.684	0.688	0.652	0.671	0.585	0.407	0.742	0.826	0.748	0.864	0.685	0.556	0.879
Log Mean	-0.232	-0.233	-0.239	-0.225	-0.247	-0.258	-0.232	-0.256	-0.219	-0.197	-0.229	-0.206	-0.215
Geo Mean	0.59	0.58	0.58	0.60	0.57	0.55	0.59	0.55	0.60	0.63	0.59	0.62	0.61
Log StDv	0.175	0.176	0.160	0.178	0.154	0.118	0.188	0.168	0.211	0.237	0.188	0.175	0.211
Log CVar	-0.754	-0.760	-0.672	-0.795	-0.627	-0.457	-0.813	-0.655	-0.970	-1.205	-0.821	-0.855	-0.986
Percentls													
Minimum	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
10th	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
20th	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
30th	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
40th	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
50th	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
60th	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70th	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80th	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	0.5
85th	1.0	0.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5	1.0	0.5	1.0	1.0
90th	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	2.0	2.0	1.0	1.0	1.0
95th	2.0	2.0	1.0	2.0	2.0	1.0	2.0	1.0	2.0	2.0	2.0	1.0	1.0
98th	2.0	2.0	2.0	2.0	2.0	1.0	2.0	3.0	2.0	3.0	2.0	2.0	3.0
99th	3.0	3.0	2.0	3.0	2.0	1.0	2.0	3.0	2.0	3.0	2.0	2.0	3.0
Maximum	4.0	4.0	4.0	3.0	2.0	2.0	3.0	3.0	2.0	3.0	2.0	2.0	3.0

**Tungsten (W)**  
**Lake Sediment**

number of values : 2264  
units : ppm  
detection limit : 1  
analytical method : INAA

## Tungsten by INAA

## Summary Statistics



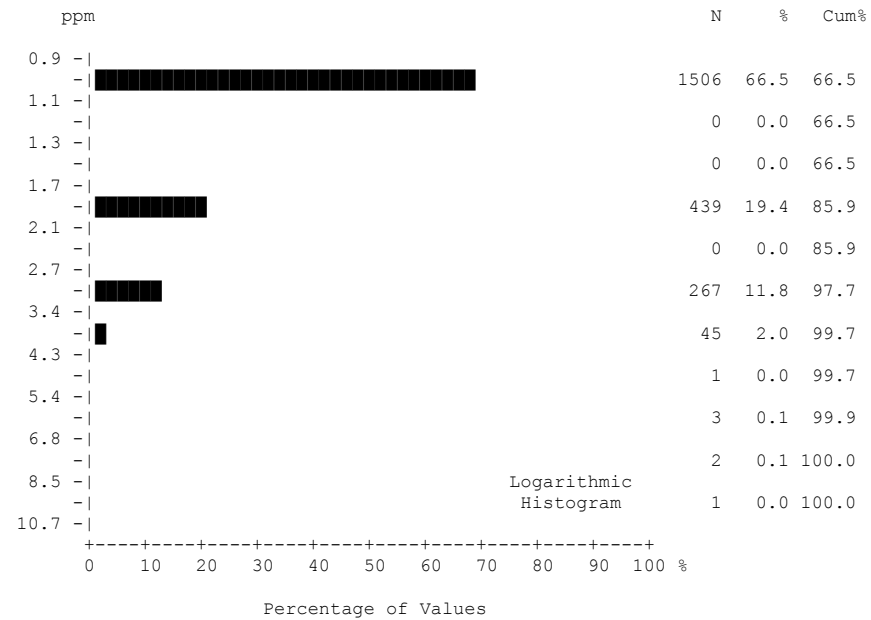
**Uranium (U)**  
**Lake Sediment**

number of values : 2264  
 units : ppm  
 detection limit : 0.2  
 analytical method : INAA

## Uranium by INAA



## Summary Statistics



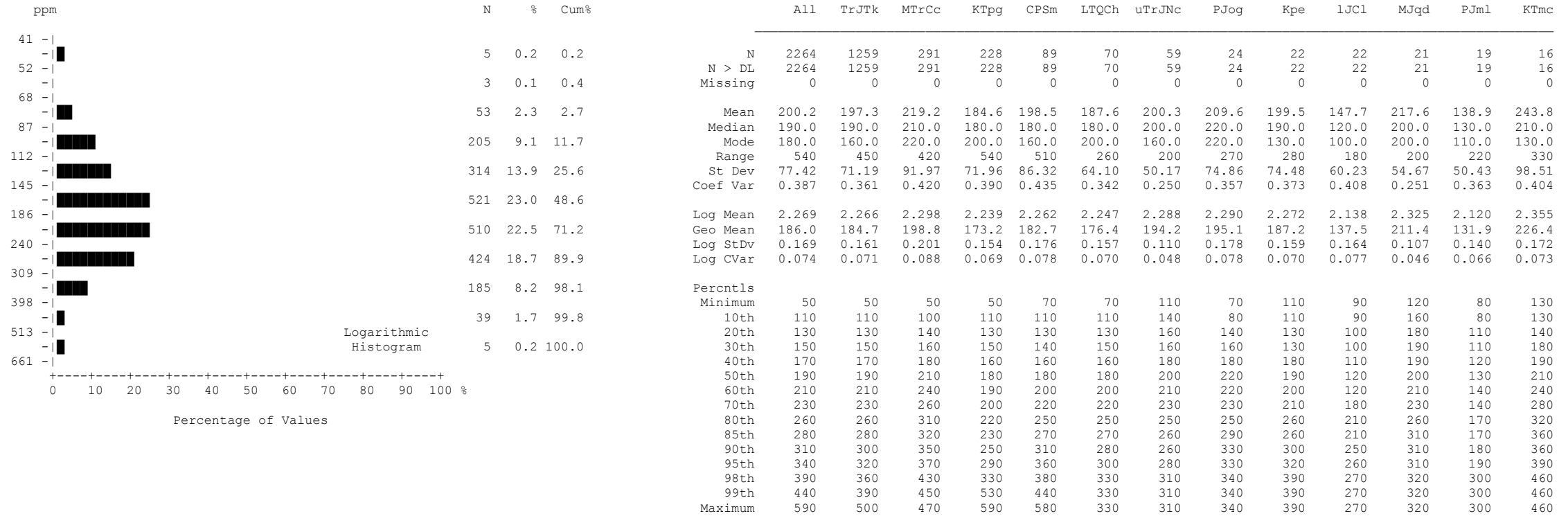
	All	TrJTk	MTrCc	KTpg	CPSm	LTQCh	uTrJNc	PJog	Kpe	lJCl	MJqd	PJml	KTmc
N	2264	1259	291	228	89	70	59	24	22	22	21	19	16
N > DL	319	151	50	29	18	12	7	7	2	3	8	2	3
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	1.5	1.5	1.6	1.4	1.6	1.6	1.5	1.9	1.5	1.3	2.2	1.3	1.7
Median	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	2.0	1.0	1.0
Mode	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0
Range	8	6	3	8	3	3	3	2	2	3	3	2	3
St Dev	0.83	0.78	0.87	0.88	0.86	0.83	0.75	0.85	0.67	0.84	0.94	0.65	0.95
Coef Var	0.553	0.537	0.544	0.611	0.550	0.508	0.498	0.453	0.461	0.636	0.422	0.517	0.561
Log Mean	0.129	0.119	0.150	0.110	0.143	0.167	0.135	0.227	0.125	0.071	0.308	0.066	0.173
Geo Mean	1.3	1.3	1.4	1.3	1.4	1.5	1.4	1.7	1.3	1.2	2.0	1.2	1.5
Log StDv	0.193	0.185	0.203	0.187	0.206	0.200	0.186	0.208	0.176	0.184	0.202	0.160	0.217
Log CVar	1.492	1.555	1.354	1.703	1.437	1.200	1.378	0.919	1.410	2.622	0.657	2.430	1.260
Percentls													
Minimum	1	1	1	1	1	1	1	1	1	1	1	1	1
10th	1	1	1	1	1	1	1	1	1	1	1	1	1
20th	1	1	1	1	1	1	1	1	1	1	1	1	1
30th	1	1	1	1	1	1	1	1	1	1	2	1	1
40th	1	1	1	1	1	1	1	1	1	1	2	1	1
50th	1	1	1	1	1	1	1	2	1	1	2	1	1
60th	1	1	1	1	1	2	1	2	1	1	2	1	2
70th	2	2	2	1	2	2	2	2	2	1	3	1	2
80th	2	2	2	2	2	2	2	3	2	1	3	1	2
85th	2	2	3	2	3	3	2	3	2	1	3	1	3
90th	3	3	3	3	3	3	3	3	2	3	3	2	3
95th	3	3	3	3	3	3	3	3	3	3	4	3	3
98th	4	3	4	3	3	4	3	3	3	4	4	3	4
99th	4	4	4	4	4	4	3	3	3	4	4	3	4
Maximum	9	7	4	9	4	4	4	3	3	4	4	3	4

**Ytterbium (Yb)**  
**Lake Sediment**

number of values : 2264  
 units : ppm  
 detection limit : 2  
 analytical method : INAA

## Ytterbium by INAA

## Summary Statistics

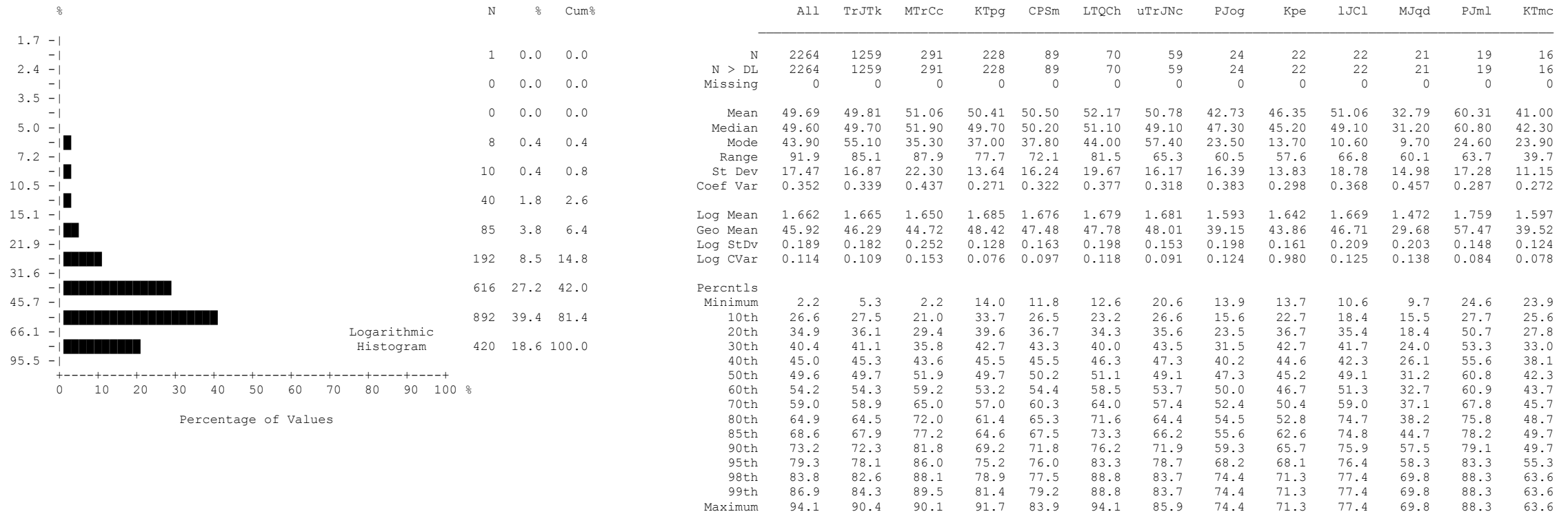


**Fluorine (F)**  
**Lake Sediment**

number of values : 2264  
 units : ppm  
 detection limit : 10  
 analytical method : ION

## Fluorine by ION

## Summary Statistics

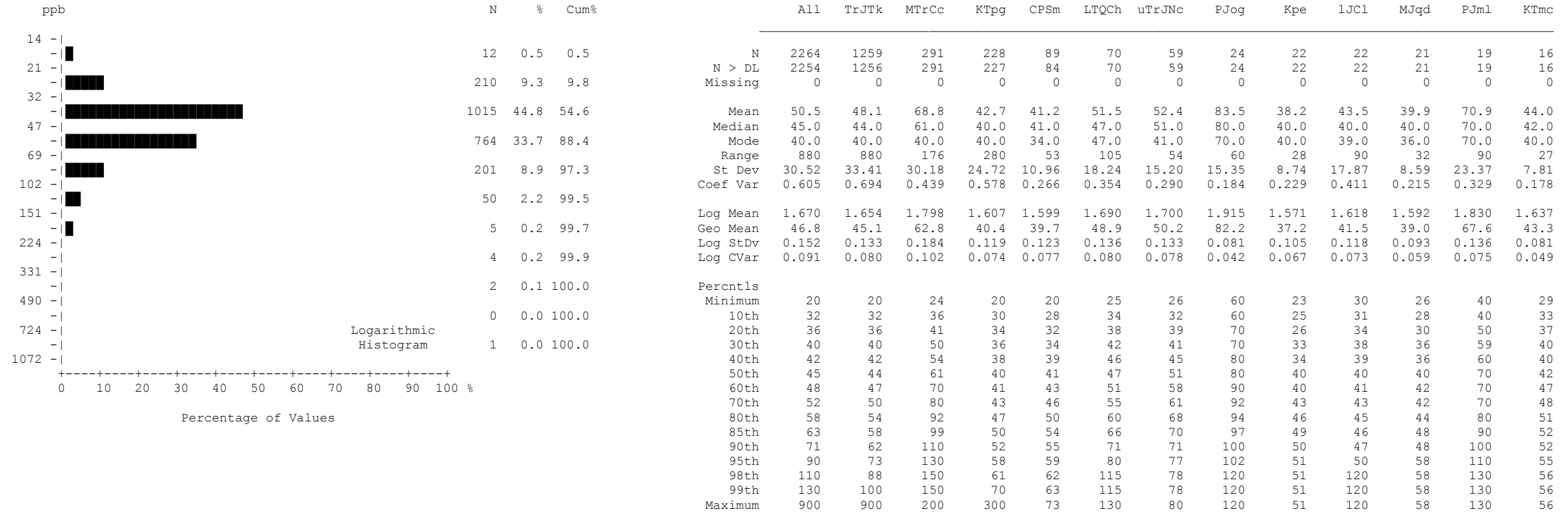


### Loss on Ignition (LOI) Lake Sediment

number of values : 2264  
 units : %  
 detection limit : 0.1  
 analytical method : GRAV

### Loss on Ignition by GRAV

## Summary Statistics

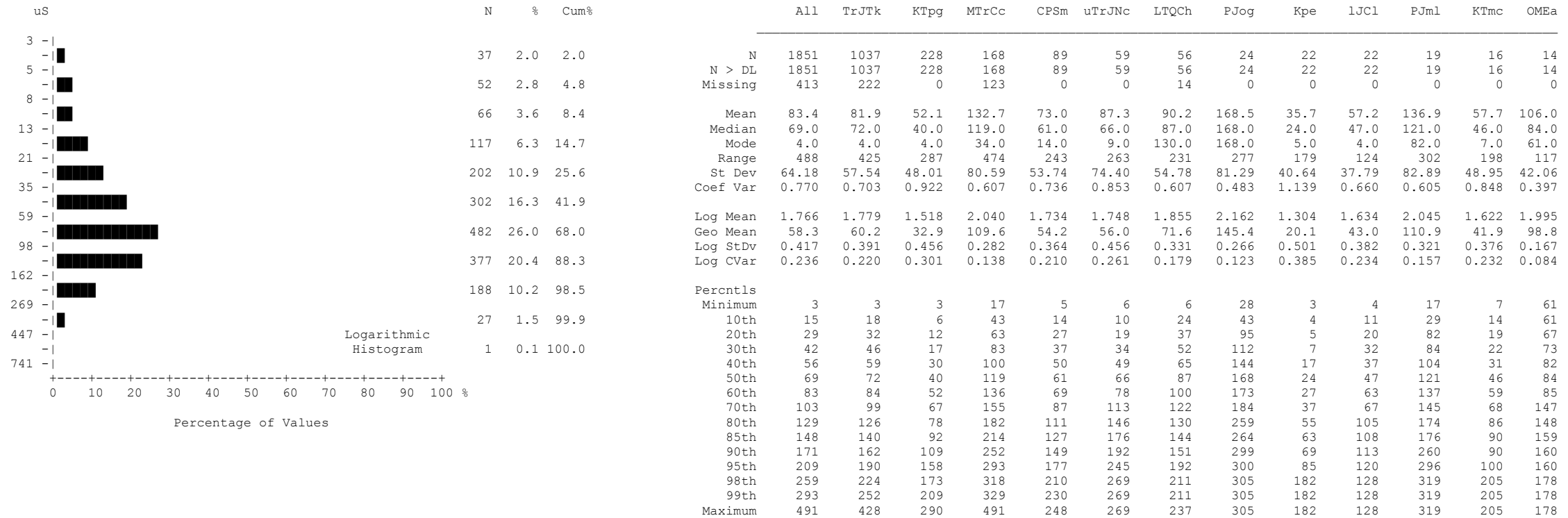


### Fluoride (FW) Lake Water

number of values : 2264  
 units : ppb  
 detection limit : 10  
 analytical method : ION

### Fluoride by ION

## Summary Statistics

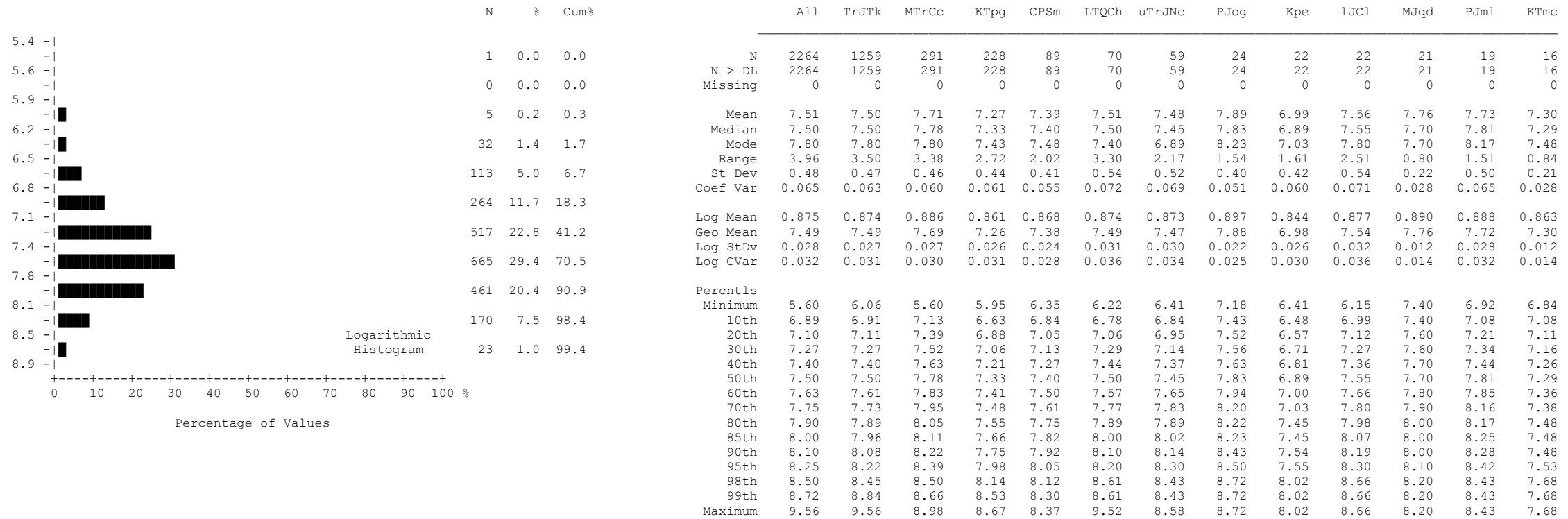


### Conductivity (CND) Lake Water

number of values : 1851  
 units : uS  
 detection limit : 1  
 analytical method : ISE

### Conductivity by ISE

## Summary Statistics



pH  
Lake Water

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number of values : 2264  
 units :  
 detection limit : 0.1  
 analytical method : ISE

pH by ISE