Regional Stream Sediment and Water Geochemical Data

VANCOUVER ISLAND, BRITISH COLUMBIA

(parts of NTS 92B, C, E, F, G, K, L & 102I)

*** APPENDIX B – SUMMARY STATISTICS ***

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Notes:

- Calculations ignore missing values and analytical results from the second (REP=20) of paired field duplicate samples.
- Data for Au, F and LOI in sediments and U, F and pH in waters have been incorporated as originally published by the BCGS.
- New ICP-MS, fire assy results reported by the labs at less than detection limit have been set to half the detection limit.
- Geological sub-divisions were determined from Massey *et al*., 2005.

Summary Statistics

	STREAM SEDIMENT																		
Variable	**Al**	**Sb**	**As**	**Ba**	**Bi**	**B**	**Cd**	**Ca**	**Cr**	**Co**	**Cu**	**Ga**	**Au**	**Fe**	**La**	**Pb**	**Mg**	**Mn**	**Hg**
D.L.	**0.01**	**0.02**	**0.1**	**0.5**	**0.01**	**10**	**0.01**	**0.01**	**0.5**	**0.1**	**0.01**	**0.05**	**0.2**	**0.01**	**0.2**	**0.01**	**0.01**	**1**	**5**
Units	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppb**	**%**	**ppm**	**ppm**	**%**	**ppm**	**ppb**
Anal Mth	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**
N	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846
N > DL	2846	2838	2844	2846	2774	84	2843	2846	2846	2846	2846	2846	2756	2846	2846	2846	2846	2846	2846
Missing	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Mean	2.43	0.37	11.07	52.36	0.11	6.8	0.22	1.04	42.57	19.94	72.89	7.81	48.01	4.54	5.94	5.83	1.10	922.6	244.3
Median	2.35	0.20	4.60	40.50	0.06	5.0	0.13	0.87	35.70	18.60	51.50	7.36	2.50	4.45	5.50	4.35	0.96	786.0	71.0
Mode	2.23	0.08	1.10	30.90	0.03	5.0	0.10	0.75	29.10	10.90	21.60	10.55	1.00	4.27	4.40	3.14	0.62	1020.0	51.0
Range	5.03	14.24	800.9	566.4	23.195	575	13.39	18.02	496.7	79.3	6896.29	16.04	20099.9	19.86	25.6	186.25	5.67	8710	41390
St Dev	0.87	0.71	30.67	42.79	0.60	16.20	0.50	0.76	31.34	9.59	152.55	2.59	719.20	1.50	2.69	6.83	0.65	701.93	1492.87
Coef Var	0.358	1.889	2.770	0.817	5.261	2.383	2.252	0.724	0.736	0.481	2.093	0.331	14.981	0.331	0.453	1.171	0.596	0.761	6.110
Log Mean	0.357	-0.670	0.686	1.614	-1.221	0.744	-0.850	-0.059	1.540	1.249	1.716	0.869	0.423	0.633	0.734	0.657	-0.037	2.891	1.912
Geo Mean	2.27	0.21	4.86	41.14	0.06	5.5	0.14	0.87	34.65	17.73	51.95	7.39	2.65	4.29	5.42	4.54	0.92	778.7	81.6
Log StDv	0.166	0.416	0.503	0.297	0.381	0.169	0.348	0.259	0.284	0.218	0.345	0.145	0.580	0.151	0.185	0.280	0.269	0.242	0.405
Log CVar	0.467	-0.622	0.733	0.184	-0.312	0.228	-0.410	-4.384	0.185	0.175	0.201	0.167	1.371	0.239	0.252	0.427	-7.267	0.084	0.212
Percntls																			
Minimum	0.39	0.01	0.1	5.6	0.005	5	0.01	0.03	2.3	2.9	3.71	1.36	0.1	0.74	0.8	0.75	0.11	80	10
10th	1.35	0.07	1.2	17.1	0.020	5	0.06	0.42	15.6	9.0	18.85	4.84	0.7	2.71	3.2	2.08	0.40	395	33
20th	1.68	0.09	1.8	23.3	0.030	5	0.08	0.55	21.3	11.6	27.10	5.65	1.1	3.25	3.9	2.72	0.54	504	42
30th	1.93	0.12	2.5	29.0	0.040	5	0.09	0.66	25.7	14.0	34.00	6.23	1.5	3.68	4.4	3.25	0.67	589	51
40th	2.14	0.16	3.5	34.4	0.050	5	0.11	0.75	30.8	16.2	41.70	6.81	2.0	4.09	4.9	3.82	0.82	684	59
50th	2.35	0.20	4.6	40.5	0.060	5	0.13	0.87	35.7	18.6	51.50	7.36	2.5	4.45	5.5	4.35	0.96	786	71
60th	2.58	0.25	6.0	48.0	0.070	5	0.15	0.99	41.3	20.9	64.70	8.03	3.1	4.85	6.0	5.04	1.12	892	84
70th	2.83	0.33	8.1	57.5	0.090	5	0.18	1.15	48.4	23.9	82.10	8.81	3.9	5.28	6.7	5.97	1.31	1010	103
80th	3.15	0.46	11.6	73.3	0.110	5	0.25	1.42	58.2	27.5	108.50	9.84	5.4	5.76	7.7	7.28	1.59	1160	133
85th	3.37	0.55	15.2	84.1	0.130	5	0.31	1.63	65.9	29.7	123.50	10.60	6.8	6.02	8.3	8.20	1.76	1300	159
90th	3.65	0.75	21.4	100.0	0.170	5	0.40	1.90	75.5	32.3	143.00	11.50	9.3	6.39	9.3	10.00	2.02	1460	208
95th	4.01	1.15	39.4	128.5	0.270	10	0.61	2.38	91.6	36.5	172.00	12.80	21.5	6.98	10.7	13.65	2.34	1860	386
98th	4.40	2.02	72.3	175.0	0.470	20	1.00	2.75	121.5	41.9	209.00	14.10	88.9	7.85	12.8	20.90	2.72	2770	1545
99th	4.74	3.03	112.5	220.0	0.810	40	1.58	3.04	157.0	47.8	261.00	15.10	375.0	8.60	15.1	29.70	2.98	3820	3930
Maximum	5.42	14.25	801.0	572.0	23.200	580	13.40	18.05	499.0	82.2	6900.00	17.40	20100.0	20.60	26.4	187.00	5.78	8790	41400

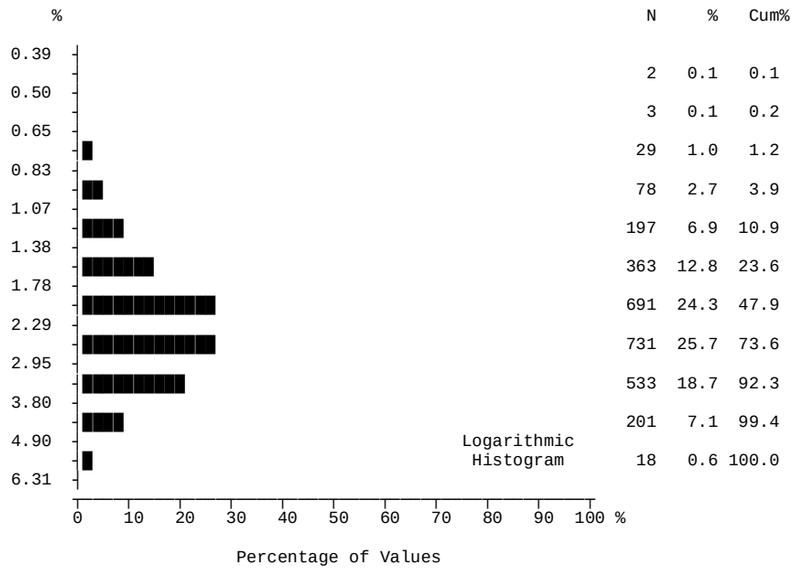
Summary Statistics

	STREAM SEDIMENT																		
Variable	**Mo**	**Ni**	**P**	**K**	**Sc**	**Se**	**Ag**	**Na**	**Sr**	**S**	**Ta**	**Te**	**Tl**	**Th**	**Ti**	**W**	**U**	**V**	**Zn**
D.L.	**0.01**	**0.1**	**0.001**	**0.01**	**0.1**	**0.1**	**2**	**0.001**	**0.2**	**0.01**	**0.01**	**0.01**	**0.02**	**0.1**	**0.001**	**0.05**	**0.05**	**1**	**0.1**
Units	**ppm**	**ppm**	**%**	**%**	**ppm**	**ppm**	**ppb**	**%**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**
Anal Mth	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**	**ICPMS**
N	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846
N > DL	2846	2846	2846	2793	2846	2845	2846	2837	2846	2584	476	2560	1436	2799	2846	2552	2846	2846	2846
Missing	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Mean	1.00	29.89	0.06	0.04	7.80	1.04	89.2	0.03	39.16	0.08	0.01	0.06	0.04	0.92	0.24	0.31	0.64	141.6	67.31
Median	0.62	23.80	0.06	0.04	7.00	0.80	53.0	0.02	33.00	0.05	0.01	0.04	0.03	0.60	0.18	0.11	0.37	130.0	61.70
Mode	0.36	21.00	0.05	0.03	5.30	0.60	35.0	0.01	27.10	0.03	0.01	0.02	0.02	0.40	0.12	0.06	0.18	112.0	90.00
Range	47.67	353.9	0.350	0.54	24.8	19.3	9634	0.2565	672.4	2.775	0.065	8.925	1.50	14.75	0.829	112.975	22.14	529	484.5
St Dev	1.76	24.72	0.03	0.04	4.12	0.86	295.56	0.02	28.53	0.15	0.01	0.22	0.06	0.96	0.16	2.30	0.99	63.73	37.99
Coef Var	1.754	0.827	0.408	0.906	0.527	0.827	3.312	0.756	0.728	1.934	0.550	3.362	1.591	1.043	0.656	7.347	1.541	0.450	0.564
Log Mean	-0.161	1.344	-1.228	-1.431	0.831	-0.059	1.751	-1.674	1.526	-1.325	-2.018	-1.408	-1.575	-0.176	-0.714	-0.883	-0.375	2.105	1.776
Geo Mean	0.69	22.08	0.06	0.04	6.78	0.87	56.4	0.02	33.54	0.05	0.01	0.04	0.03	0.67	0.19	0.13	0.42	127.5	59.74
Log StDv	0.327	0.357	0.159	0.222	0.238	0.241	0.328	0.282	0.233	0.415	0.203	0.363	0.305	0.333	0.288	0.402	0.351	0.208	0.209
Log CVar	-2.031	0.266	-0.129	-0.155	0.286	-4.147	0.187	-0.169	0.153	-0.313	-0.101	-0.258	-0.194	-1.889	-0.404	-0.456	-0.935	0.990	0.118
Percntls																			
Minimum	0.13	1.1	0.012	0.01	0.7	0.1	6	0.0005	3.6	0.005	0.005	0.005	0.01	0.05	0.014	0.025	0.06	17	10.5
10th	0.30	7.0	0.039	0.02	3.3	0.5	24	0.0100	17.5	0.020	0.005	0.010	0.01	0.30	0.086	0.050	0.17	69	32.5
20th	0.36	11.2	0.045	0.03	4.3	0.6	32	0.0130	21.9	0.020	0.005	0.020	0.02	0.40	0.115	0.070	0.20	88	40.0
30th	0.43	15.1	0.050	0.03	5.2	0.7	38	0.0160	25.7	0.030	0.010	0.030	0.02	0.40	0.138	0.080	0.25	103	47.5
40th	0.50	19.5	0.054	0.03	6.0	0.7	46	0.0180	29.2	0.040	0.010	0.030	0.02	0.50	0.160	0.100	0.30	115	54.3
50th	0.62	23.8	0.058	0.04	7.0	0.8	53	0.0220	33.0	0.050	0.010	0.040	0.03	0.60	0.184	0.110	0.37	130	61.7
60th	0.75	29.3	0.063	0.04	8.1	1.0	63	0.0250	37.2	0.060	0.010	0.050	0.03	0.80	0.225	0.140	0.45	148	69.2
70th	0.95	36.7	0.070	0.04	9.3	1.1	74	0.0290	42.5	0.070	0.010	0.050	0.04	0.90	0.276	0.170	0.57	168	76.9
80th	1.28	45.5	0.078	0.05	10.8	1.3	93	0.0350	50.5	0.090	0.010	0.070	0.04	1.20	0.363	0.210	0.84	195	85.6
85th	1.52	50.9	0.085	0.06	11.9	1.5	109	0.0390	57.4	0.110	0.020	0.090	0.05	1.50	0.415	0.260	1.02	210	91.4
90th	1.89	57.5	0.094	0.06	13.4	1.7	134	0.0460	66.6	0.150	0.020	0.110	0.06	1.80	0.488	0.360	1.32	229	101.5
95th	2.67	69.3	0.107	0.08	15.9	2.3	211	0.0570	82.2	0.220	0.020	0.160	0.09	2.60	0.578	0.760	1.88	255	125.0
98th	4.11	90.2	0.130	0.16	19.2	3.3	351	0.0840	104.5	0.370	0.030	0.280	0.14	3.90	0.646	2.060	3.02	284	171.5
99th	5.74	122.0	0.152	0.26	20.7	4.4	579	0.1010	132.0	0.570	0.030	0.470	0.19	4.80	0.688	4.020	4.16	327	216.0
Maximum	47.80	355.0	0.362	0.55	25.5	19.4	9640	0.2570	676.0	2.780	0.070	8.930	1.51	14.80	0.843	113.000	22.20	546	495.0

Summary Statistics

	STREAM SEDIMENT																		WATER		
Variable	Be	Ce	Cs	Ge	Hf	In	Li	Nb	Re	Rb	Sn	Y	Zr	Pt	Pd	Au	F	LOI	UW	FW	pH
D.L.	0.05	0.02	0.05	0.05	0.02	0.005	0.1	0.05	1	0.1	0.2	0.05	0.5	0.1	0.5	2	40	0.1	0.05	20	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppm	%	ppb	ppb	
Anal Mth	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	FA	FA	FA	ION	GRV	LIF	ION	GCE
N	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2846	2822	2822	2854	2854	2851	2657	2657	2657
N > DL	2843	2846	2846	2703	2557	2838	2846	2846	484	2846	2657	2846	2535	2800	2756	1719	2830	2851	363	1003	2657
Missing	8	8	8	8	8	8	8	8	8	8	8	8	8	32	32	0	0	3	197	197	197
Mean	0.32	13.51	0.61	0.13	0.19	0.03	9.05	1.30	1.12	3.47	0.54	9.96	6.49	3.30	5.35	38.8	154.7	10.78	0.04	19.36	6.72
Median	0.29	12.60	0.47	0.12	0.10	0.03	7.40	1.18	0.50	2.90	0.50	9.33	2.70	2.80	3.50	4.0	140.0	8.40	0.03	20.00	6.70
Mode	0.28	11.60	0.34	0.12	0.04	0.02	5.20	0.84	0.50	2.30	0.40	11.75	0.25	1.90	0.90	1.0	120.0	7.00	0.03	10.00	6.70
Range	1.495	56.49	6.22	0.355	1.32	0.4375	69.7	4.29	65.5	35.0	16.6	35.62	51.05	97.55	68.65	5799	680	82.0	1.17	210.0	5.3
St Dev	0.15	5.87	0.51	0.05	0.21	0.02	6.16	0.64	1.93	2.95	0.46	4.39	8.71	3.24	4.97	198.41	66.85	8.24	0.05	12.25	0.52
Coef Var	0.478	0.434	0.833	0.425	1.150	0.617	0.681	0.493	1.721	0.848	0.847	0.441	1.342	0.981	0.928	5.116	0.432	0.765	1.158	0.633	0.078
Log Mean	-0.536	1.094	-0.307	-0.942	-0.986	-1.585	0.884	0.059	-0.095	0.458	-0.320	0.953	0.456	0.405	0.534	0.708	2.154	0.942	-1.441	1.226	0.826
Geo Mean	0.29	12.42	0.49	0.11	0.10	0.03	7.66	1.14	0.80	2.87	0.48	8.98	2.86	2.54	3.42	5.1	142.5	8.75	0.04	16.83	6.70
Log StDv	0.194	0.179	0.273	0.204	0.484	0.235	0.241	0.226	0.290	0.251	0.195	0.205	0.583	0.341	0.436	0.695	0.177	0.272	0.200	0.221	0.035
Log CVar	-0.363	0.164	-0.892	-0.217	-0.491	-0.148	0.273	3.894	-3.051	0.547	-0.612	0.215	1.278	0.843	0.819	0.983	0.082	0.289	-0.139	0.181	0.042
Percntls																					
Minimum	0.025	2.01	0.08	0.025	0.01	0.0025	0.7	0.11	0.5	0.5	0.1	1.08	0.25	0.05	0.25	1	20	0.8	0.03	10.0	3.9
10th	0.170	7.47	0.23	0.070	0.02	0.0130	3.9	0.59	0.5	1.4	0.3	4.92	0.50	1.00	0.90	1	90	4.1	0.03	10.0	6.1
20th	0.210	8.97	0.29	0.080	0.04	0.0170	4.8	0.75	0.5	1.8	0.3	6.04	0.80	1.50	1.30	1	110	5.2	0.03	10.0	6.3
30th	0.240	10.25	0.34	0.090	0.05	0.0190	5.6	0.89	0.5	2.1	0.4	7.09	1.30	1.90	1.80	2	120	6.2	0.03	10.0	6.5
40th	0.270	11.35	0.41	0.110	0.07	0.0230	6.4	1.03	0.5	2.5	0.4	8.20	1.90	2.30	2.50	3	130	7.2	0.03	10.0	6.6
50th	0.290	12.60	0.47	0.120	0.10	0.0270	7.4	1.18	0.5	2.9	0.5	9.33	2.70	2.80	3.50	4	140	8.4	0.03	20.0	6.7
60th	0.330	13.80	0.55	0.130	0.13	0.0310	8.4	1.33	1.0	3.3	0.5	10.60	4.00	3.40	4.90	5	160	9.8	0.03	20.0	6.8
70th	0.360	15.10	0.65	0.150	0.19	0.0360	9.8	1.54	1.0	3.7	0.6	11.95	6.10	4.10	6.90	8	170	11.6	0.03	22.0	7.0
80th	0.410	17.10	0.82	0.170	0.29	0.0420	11.9	1.82	1.0	4.4	0.7	13.70	10.00	4.80	9.80	15	190	14.6	0.03	26.0	7.1
85th	0.450	18.60	0.92	0.180	0.39	0.0460	13.4	1.99	2.0	4.8	0.7	14.80	13.70	5.30	11.20	27	210	16.6	0.05	28.0	7.2
90th	0.500	20.50	1.12	0.200	0.51	0.0500	15.8	2.22	2.0	5.6	0.8	15.95	19.60	5.80	12.50	54	230	19.6	0.07	32.0	7.4
95th	0.590	24.10	1.56	0.230	0.69	0.0580	20.8	2.52	3.0	7.2	0.9	17.55	26.70	6.90	14.30	136	270	26.5	0.10	38.0	7.5
98th	0.740	29.50	2.14	0.260	0.84	0.0680	27.1	2.86	5.0	10.8	1.1	19.90	34.30	8.20	16.50	420	340	35.4	0.16	48.0	7.7
99th	0.870	34.00	2.79	0.280	0.91	0.0770	31.9	3.15	8.0	17.5	1.4	21.50	38.60	9.30	18.70	800	400	43.8	0.22	62.0	7.8
Maximum	1.520	58.50	6.30	0.380	1.33	0.4400	70.4	4.40	66.0	35.5	16.7	36.70	51.30	97.60	68.90	5800	700	82.8	1.20	220.0	9.2

Summary Statistics



	N	%	Cum%
	2	0.1	0.1
	3	0.1	0.2
	29	1.0	1.2
	78	2.7	3.9
	197	6.9	10.9
	363	12.8	23.6
	691	24.3	47.9
	731	25.7	73.6
	533	18.7	92.3
	201	7.1	99.4
	18	0.6	100.0

	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	2.43	2.89	2.04	2.40	2.11	1.98	2.43	1.92	2.36	1.85	2.23	1.98	1.79	1.29
Median	2.35	2.87	1.98	2.41	2.10	1.94	2.41	1.85	2.45	1.82	2.12	1.98	1.68	0.90
Mode	2.23	3.19	1.54	2.03	1.87	1.81	2.21	1.81	2.57	2.21	1.60	1.02	1.68	0.68
Range	5.03	5.03	4.76	3.43	3.41	2.57	3.18	2.33	2.61	1.77	1.70	2.30	2.18	1.94
St Dev	0.87	0.94	0.75	0.62	0.58	0.61	0.56	0.50	0.64	0.48	0.50	0.50	0.54	0.68
Coef Var	0.358	0.324	0.365	0.256	0.274	0.307	0.230	0.262	0.271	0.262	0.225	0.253	0.304	0.528
Log Mean	0.357	0.434	0.280	0.365	0.307	0.275	0.374	0.267	0.355	0.251	0.338	0.281	0.236	0.064
Geo Mean	2.27	2.71	1.90	2.32	2.03	1.88	2.37	1.85	2.26	1.78	2.18	1.91	1.72	1.16
Log StDv	0.166	0.162	0.167	0.122	0.125	0.137	0.108	0.122	0.128	0.121	0.095	0.116	0.123	0.198
Log CVar	0.467	0.374	0.598	0.336	0.408	0.497	0.289	0.458	0.363	0.482	0.283	0.414	0.522	3.097
Percntls														
Minimum	0.39	0.39	0.49	0.76	0.68	0.92	1.08	0.74	0.97	1.00	1.58	1.02	1.08	0.68
10th	1.35	1.64	1.13	1.51	1.42	1.17	1.88	1.29	1.54	1.16	1.60	1.33	1.22	0.68
20th	1.68	2.06	1.36	1.88	1.65	1.41	2.03	1.47	1.67	1.35	1.75	1.45	1.29	0.81
30th	1.93	2.35	1.56	2.10	1.80	1.58	2.16	1.65	2.06	1.55	1.88	1.65	1.55	0.86
40th	2.14	2.65	1.80	2.25	1.91	1.79	2.22	1.78	2.22	1.71	1.99	1.94	1.66	0.89
50th	2.35	2.87	1.98	2.41	2.10	1.94	2.41	1.85	2.45	1.82	2.12	1.98	1.68	0.90
60th	2.58	3.13	2.17	2.57	2.21	2.05	2.53	2.04	2.51	2.01	2.34	2.15	1.69	1.04
70th	2.83	3.42	2.39	2.74	2.34	2.18	2.69	2.17	2.63	2.12	2.44	2.23	1.98	1.31
80th	3.15	3.73	2.66	2.95	2.58	2.54	2.88	2.34	2.83	2.23	2.54	2.37	2.04	1.35
85th	3.37	3.87	2.84	3.04	2.72	2.67	3.02	2.47	2.99	2.47	2.78	2.38	2.23	2.39
90th	3.65	4.10	3.07	3.16	2.84	2.82	3.04	2.51	3.21	2.53	2.86	2.43	2.34	2.39
95th	4.01	4.40	3.37	3.39	3.11	3.10	3.25	2.85	3.42	2.56	3.21	2.53	2.34	2.62
98th	4.40	4.77	3.74	3.60	3.37	3.17	3.67	2.94	3.56	2.60	3.21	2.53	3.26	2.62
99th	4.74	4.96	3.97	3.81	3.68	3.32	3.68	2.94	3.58	2.77	3.28	3.32	3.26	2.62
Maximum	5.42	5.42	5.25	4.19	4.09	3.49	4.26	3.07	3.58	2.77	3.28	3.32	3.26	2.62

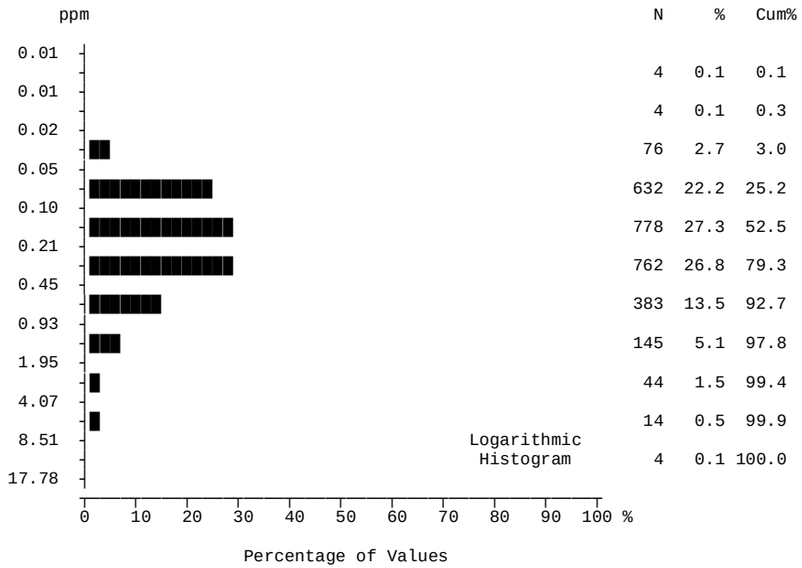
Aluminum (Al)

Stream Sediment

number of values : 2846
units : %
detection limit : 0.01
analytical method : ICPMS

Aluminum by ICPMS

Summary Statistics



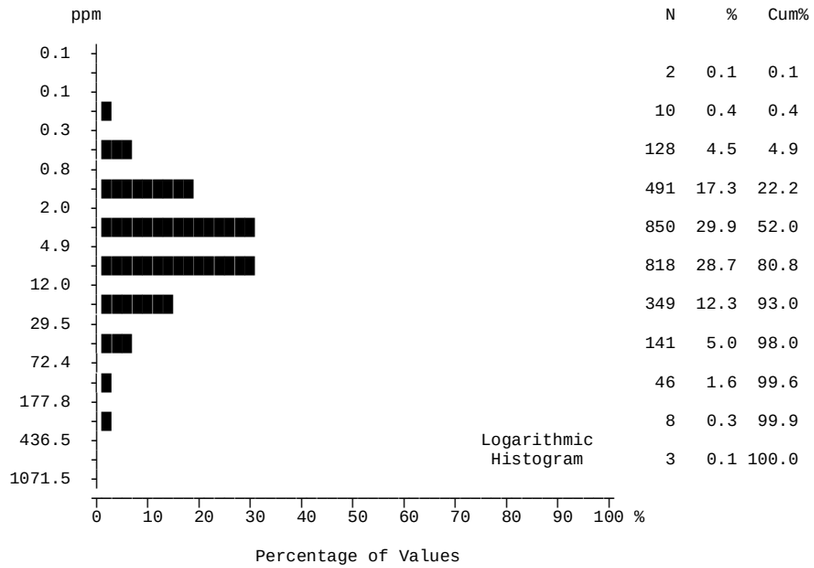
	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2838	1118	652	389	200	126	85	68	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.37	0.39	0.24	0.51	0.26	0.62	0.52	0.23	0.61	0.11	0.31	0.27	0.19	0.12
Median	0.20	0.20	0.13	0.31	0.17	0.31	0.32	0.17	0.42	0.09	0.20	0.22	0.15	0.09
Mode	0.08	0.08	0.09	0.22	0.07	0.24	0.31	0.16	0.10	0.08	0.08	0.14	0.07	0.06
Range	14.24	14.24	7.92	12.66	3.46	7.80	2.67	1.38	4.62	0.35	1.06	1.12	0.68	0.27
St Dev	0.71	0.81	0.46	0.85	0.36	1.00	0.53	0.21	0.79	0.06	0.25	0.21	0.18	0.08
Coef Var	1.889	2.050	1.897	1.671	1.359	1.603	1.015	0.908	1.291	0.586	0.811	0.796	0.939	0.732
Log Mean	-0.670	-0.671	-0.821	-0.474	-0.769	-0.448	-0.442	-0.771	-0.379	-1.027	-0.623	-0.636	-0.866	-1.012
Geo Mean	0.21	0.21	0.15	0.34	0.17	0.36	0.36	0.17	0.42	0.09	0.24	0.23	0.14	0.10
Log StDv	0.416	0.433	0.373	0.352	0.385	0.412	0.361	0.344	0.344	0.210	0.306	0.217	0.360	0.253
Log CVar	-0.622	-0.647	-0.454	-0.745	-0.501	-0.922	-0.820	-0.447	-0.909	-0.205	-0.492	-0.342	-0.416	-0.250
Percntls														
Minimum	0.01	0.01	0.01	0.04	0.02	0.05	0.09	0.02	0.10	0.04	0.08	0.12	0.04	0.05
10th	0.07	0.06	0.06	0.13	0.06	0.12	0.12	0.06	0.16	0.05	0.08	0.14	0.05	0.05
20th	0.09	0.09	0.08	0.17	0.08	0.15	0.16	0.09	0.22	0.06	0.13	0.14	0.06	0.06
30th	0.12	0.12	0.09	0.21	0.10	0.22	0.21	0.11	0.25	0.07	0.14	0.17	0.07	0.06
40th	0.16	0.15	0.11	0.26	0.12	0.25	0.29	0.16	0.31	0.08	0.19	0.20	0.08	0.07
50th	0.20	0.20	0.13	0.31	0.17	0.31	0.32	0.17	0.42	0.09	0.20	0.22	0.15	0.09
60th	0.25	0.25	0.17	0.36	0.22	0.41	0.43	0.22	0.50	0.10	0.24	0.22	0.16	0.09
70th	0.33	0.32	0.22	0.48	0.27	0.50	0.58	0.26	0.53	0.11	0.31	0.26	0.18	0.10
80th	0.46	0.45	0.30	0.62	0.34	0.71	0.78	0.30	0.65	0.14	0.42	0.33	0.30	0.11
85th	0.55	0.60	0.36	0.76	0.42	0.90	0.83	0.33	0.83	0.17	0.55	0.34	0.33	0.21
90th	0.75	0.83	0.50	0.95	0.49	1.08	1.05	0.43	0.90	0.17	0.62	0.36	0.35	0.21
95th	1.15	1.31	0.66	1.46	0.81	2.24	1.85	0.54	1.76	0.20	0.85	0.50	0.35	0.32
98th	2.02	2.13	1.01	2.25	1.13	3.42	2.31	0.76	2.85	0.20	0.85	0.50	0.72	0.32
99th	3.03	3.06	1.20	3.22	1.86	4.94	2.52	0.76	4.72	0.39	1.14	1.24	0.72	0.32
Maximum	14.25	14.25	7.93	12.70	3.48	7.85	2.76	1.40	4.72	0.39	1.14	1.24	0.72	0.32

Antimony (Sb)
Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.02
analytical method : ICPMS

Antimony by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2844	1119	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	11.07	11.04	8.31	16.15	7.20	12.89	15.10	10.78	19.09	2.07	13.65	7.04	5.71	1.76
Median	4.60	4.40	3.00	7.20	3.00	6.30	7.00	6.70	8.00	1.80	7.60	6.20	3.30	1.00
Mode	1.10	1.00	0.80	2.20	1.00	5.70	2.20	3.50	3.60	1.10	5.10	1.60	1.60	1.00
Range	800.9	740.9	800.7	491.2	112.0	184.8	188.1	65.6	233.0	5.0	98.2	14.0	26.6	7.0
St Dev	30.67	30.58	33.82	38.69	13.28	22.58	24.98	12.31	41.75	1.11	21.53	3.63	7.32	2.09
Coef Var	2.770	2.769	4.069	2.396	1.846	1.751	1.655	1.142	2.187	0.537	1.577	0.515	1.282	1.190
Log Mean	0.686	0.667	0.536	0.910	0.558	0.847	0.914	0.833	0.985	0.269	0.872	0.787	0.540	0.105
Geo Mean	4.86	4.64	3.44	8.12	3.61	7.03	8.20	6.81	9.65	1.86	7.45	6.12	3.47	1.27
Log StDv	0.503	0.524	0.484	0.426	0.465	0.436	0.436	0.420	0.400	0.193	0.433	0.247	0.409	0.312
Log CVar	0.733	0.786	0.904	0.468	0.835	0.515	0.478	0.504	0.407	0.718	0.497	0.313	0.758	2.997
Percntls														
Minimum	0.1	0.1	0.3	0.8	0.5	0.7	1.9	0.5	2.0	0.9	1.0	1.6	1.2	0.6
10th	1.2	1.1	0.9	2.5	1.0	1.8	2.6	1.9	4.0	1.1	2.2	3.1	1.4	0.6
20th	1.8	1.7	1.4	3.8	1.4	3.0	3.2	3.0	4.6	1.2	3.7	4.1	1.5	0.7
30th	2.5	2.3	1.9	5.0	1.8	4.4	3.9	3.8	5.6	1.4	4.2	4.6	1.6	0.9
40th	3.5	3.2	2.5	6.1	2.3	5.2	5.6	5.1	7.2	1.6	5.1	5.7	1.8	1.0
50th	4.6	4.4	3.0	7.2	3.0	6.3	7.0	6.7	8.0	1.8	7.6	6.2	3.3	1.0
60th	6.0	5.9	3.9	8.8	4.0	9.0	9.5	9.0	9.7	1.9	9.6	6.4	3.7	1.1
70th	8.1	8.0	5.2	10.8	6.1	10.9	13.2	10.9	11.7	2.1	10.2	7.3	3.9	1.2
80th	11.6	12.0	7.4	16.0	8.8	14.7	15.7	15.0	15.4	2.6	11.0	9.9	5.1	1.4
85th	15.2	16.7	9.8	20.3	11.4	17.6	25.3	18.4	19.5	2.9	11.5	10.5	10.2	2.1
90th	21.4	22.5	14.6	26.7	16.6	21.7	31.3	20.9	28.8	3.5	15.1	12.8	16.2	2.1
95th	39.4	39.8	28.8	59.0	20.1	39.4	52.8	33.9	35.4	4.3	61.4	13.7	16.2	7.6
98th	72.3	70.9	52.6	126.0	51.9	90.0	71.7	64.7	175.0	5.6	61.4	13.7	27.8	7.6
99th	112.5	128.5	76.2	171.0	78.8	97.1	85.9	64.7	235.0	5.9	99.2	15.6	27.8	7.6
Maximum	801.0	741.0	801.0	492.0	112.5	185.5	190.0	66.1	235.0	5.9	99.2	15.6	27.8	7.6

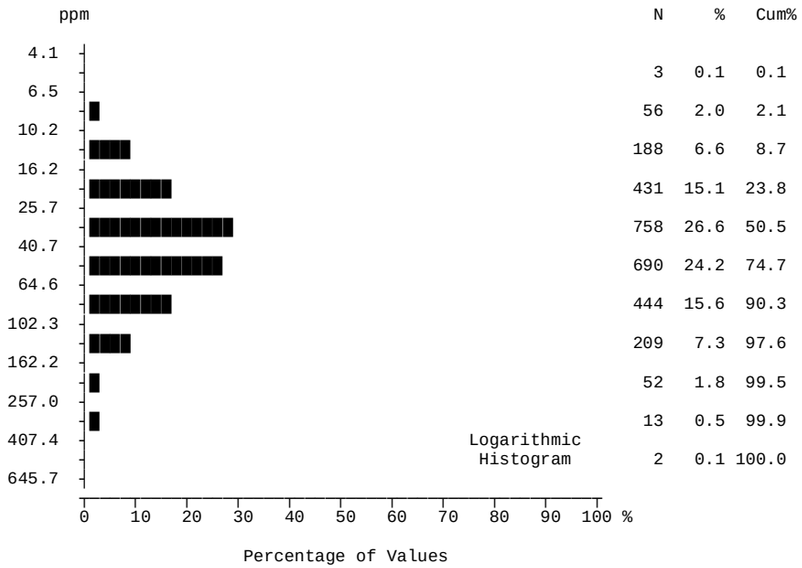
Arsenic (As)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.1
analytical method : ICPMS

Arsenic by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	52.36	37.41	57.48	62.22	48.12	81.67	73.32	87.45	107.45	39.14	37.21	57.09	58.89	44.49
Median	40.50	29.10	47.00	50.60	42.80	66.30	65.70	78.80	94.70	34.70	34.90	56.10	44.20	38.30
Mode	30.90	15.70	34.70	34.50	35.90	28.90	65.70	59.70	15.20	22.10	19.40	43.20	29.40	26.10
Range	566.4	394.2	321.4	377.7	265.1	557.4	231.0	190.7	332.8	101.7	70.6	97.8	249.6	52.4
St Dev	42.79	30.86	39.30	41.74	31.63	66.17	44.52	43.97	79.38	18.04	17.84	25.89	61.42	17.90
Coef Var	0.817	0.825	0.684	0.671	0.657	0.810	0.607	0.503	0.739	0.461	0.479	0.453	1.043	0.402
Log Mean	1.614	1.473	1.681	1.714	1.625	1.818	1.784	1.886	1.916	1.558	1.527	1.713	1.682	1.620
Geo Mean	41.14	29.69	47.98	51.82	42.16	65.75	60.88	76.86	82.41	36.16	33.62	51.68	48.04	41.69
Log StDv	0.297	0.286	0.258	0.261	0.212	0.279	0.278	0.230	0.336	0.167	0.197	0.201	0.228	0.161
Log CVar	0.184	0.194	0.153	0.152	0.131	0.154	0.156	0.122	0.175	0.107	0.129	0.117	0.136	0.990
Percntls														
Minimum	5.6	5.8	5.6	12.3	8.9	14.6	12.0	14.3	15.2	17.3	17.1	20.2	29.4	26.1
10th	17.1	12.5	24.7	24.3	23.6	28.9	24.2	40.6	28.5	22.1	19.4	27.6	31.4	26.1
20th	23.3	16.8	29.8	31.4	28.8	34.9	30.9	50.9	37.2	26.7	20.2	34.8	31.6	30.4
30th	29.0	20.6	35.1	36.7	33.9	48.0	47.3	56.1	61.0	29.1	22.2	42.0	40.6	30.9
40th	34.4	24.5	40.7	41.6	36.6	54.2	57.3	64.6	75.2	31.9	26.2	43.7	41.1	33.1
50th	40.5	29.1	47.0	50.6	42.8	66.3	65.7	78.8	94.7	34.7	34.9	56.1	44.2	38.3
60th	48.0	33.9	54.6	61.6	46.7	79.0	77.2	88.1	105.5	38.1	39.4	58.7	47.2	39.4
70th	57.5	40.8	64.3	74.3	51.3	90.5	89.7	99.7	117.5	40.1	44.9	62.4	49.5	41.9
80th	73.3	51.2	76.8	88.1	57.6	106.5	97.1	131.0	146.5	47.5	48.0	74.1	51.4	55.8
85th	84.1	57.6	86.1	99.6	64.6	127.5	107.5	141.5	171.0	57.9	49.7	86.3	53.2	70.5
90th	100.0	72.0	104.0	113.5	75.4	143.5	133.0	148.0	197.0	61.1	49.7	89.3	55.8	70.5
95th	128.5	93.6	130.5	131.5	95.3	180.5	151.0	173.5	288.0	65.3	76.4	116.0	55.8	78.5
98th	175.0	128.5	176.5	159.0	124.0	233.0	170.5	200.0	345.0	69.8	76.4	116.0	279.0	78.5
99th	220.0	158.0	217.0	193.0	198.0	273.0	220.0	200.0	348.0	119.0	87.7	118.0	279.0	78.5
Maximum	572.0	400.0	327.0	390.0	274.0	572.0	243.0	205.0	348.0	119.0	87.7	118.0	279.0	78.5

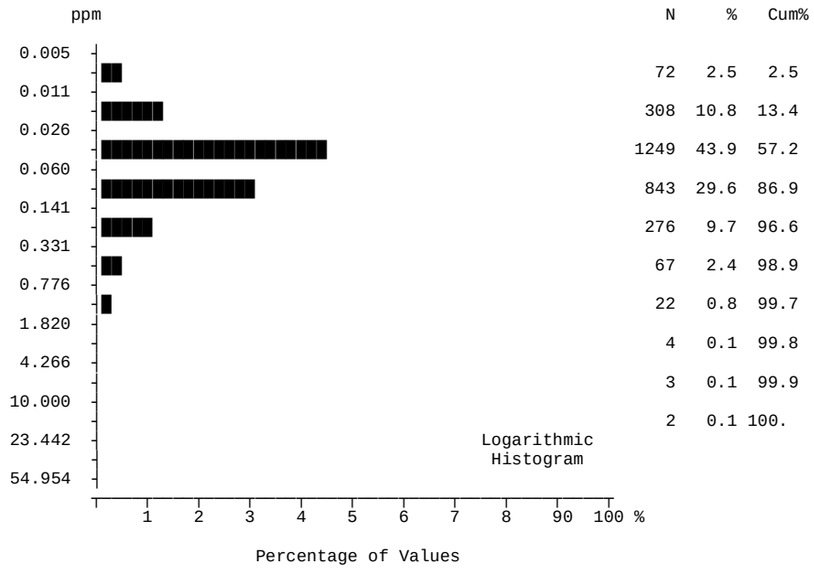
Barium (Ba)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.5
analytical method : ICPMS

Barium by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2774	1059	649	389	198	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.11	0.09	0.11	0.15	0.20	0.13	0.11	0.10	0.12	0.06	0.08	0.05	0.05	0.04
Median	0.06	0.04	0.06	0.08	0.06	0.06	0.07	0.09	0.07	0.05	0.06	0.04	0.04	0.03
Mode	0.03	0.02	0.03	0.08	0.04	0.03	0.06	0.13	0.06	0.03	0.06	0.04	0.03	0.03
Range	23.195	17.545	4.645	5.540	23.195	6.900	0.680	0.190	1.260	0.120	0.360	0.120	0.110	0.050
St Dev	0.60	0.54	0.26	0.37	1.63	0.61	0.12	0.04	0.20	0.03	0.08	0.02	0.03	0.02
Coef Var	5.261	6.146	2.329	2.452	8.009	4.688	1.083	0.418	1.623	0.588	0.991	0.472	0.594	0.391
Log Mean	-1.221	-1.347	-1.160	-1.034	-1.191	-1.222	-1.110	-1.047	-1.098	-1.327	-1.211	-1.364	-1.342	-1.421
Geo Mean	0.06	0.04	0.07	0.09	0.06	0.06	0.08	0.09	0.08	0.05	0.06	0.04	0.05	0.04
Log StDv	0.381	0.384	0.361	0.347	0.380	0.357	0.333	0.200	0.337	0.251	0.289	0.164	0.237	0.139
Log CVar	-0.312	-0.285	-0.311	-0.336	-0.319	-0.292	-0.300	-0.192	-0.307	-0.189	-0.239	-0.120	-0.176	-0.980
Percntls														
Minimum	0.005	0.005	0.005	0.02	0.005	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.03
10th	0.02	0.02	0.03	0.04	0.03	0.02	0.03	0.04	0.03	0.02	0.03	0.03	0.03	0.03
20th	0.03	0.02	0.04	0.05	0.03	0.03	0.04	0.06	0.04	0.03	0.04	0.03	0.03	0.03
30th	0.04	0.03	0.04	0.06	0.04	0.03	0.05	0.07	0.06	0.03	0.05	0.04	0.03	0.03
40th	0.05	0.03	0.05	0.07	0.05	0.05	0.06	0.08	0.06	0.04	0.06	0.04	0.03	0.03
50th	0.06	0.04	0.06	0.08	0.06	0.06	0.07	0.09	0.07	0.05	0.06	0.04	0.04	0.03
60th	0.07	0.05	0.08	0.10	0.07	0.07	0.08	0.11	0.08	0.05	0.06	0.04	0.05	0.04
70th	0.09	0.06	0.10	0.12	0.08	0.08	0.10	0.12	0.09	0.06	0.07	0.05	0.07	0.04
80th	0.11	0.08	0.12	0.16	0.11	0.10	0.13	0.13	0.12	0.08	0.08	0.05	0.07	0.04
85th	0.13	0.11	0.14	0.20	0.14	0.11	0.16	0.14	0.12	0.09	0.09	0.06	0.09	0.05
90th	0.17	0.14	0.19	0.26	0.16	0.13	0.24	0.15	0.20	0.11	0.11	0.06	0.09	0.05
95th	0.27	0.20	0.30	0.36	0.26	0.18	0.37	0.16	0.41	0.12	0.31	0.07	0.09	0.08
98th	0.47	0.32	0.56	0.69	0.40	0.43	0.48	0.18	0.49	0.13	0.31	0.07	0.13	0.08
99th	0.81	0.68	0.79	1.08	0.89	0.52	0.57	0.18	1.29	0.14	0.38	0.14	0.13	0.08
Maximum	23.20	17.55	4.65	5.56	23.20	6.92	0.70	0.22	1.29	0.14	0.38	0.14	0.13	0.08

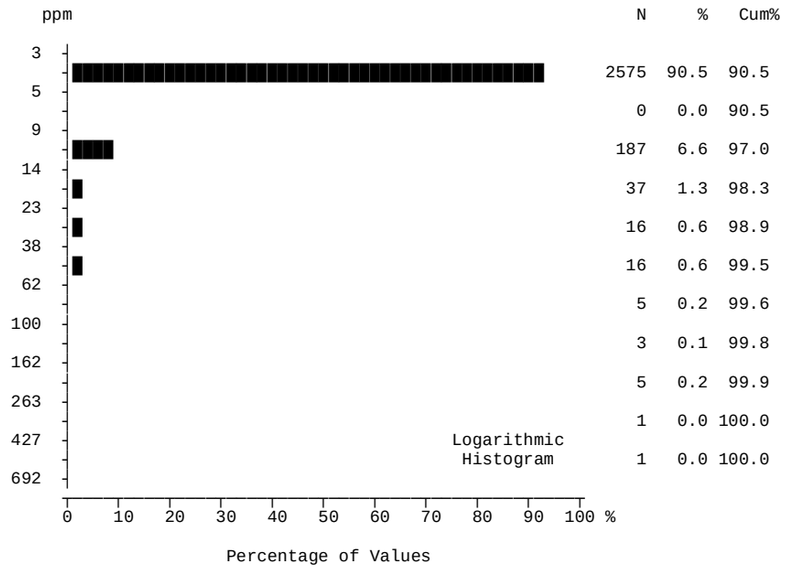
Bismuth (Bi)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.01
analytical method : ICPMS

Bismuth by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	84	45	10	12	13	1	2	0	0	0	1	0	0	0
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	6.8	6.7	5.6	6.6	15.4	5.5	5.6	5.1	5.2	5.0	5.9	5.4	5.0	5.0
Median	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Mode	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Range	575	95	115	185	575	35	25	5	5	0	25	5	0	0
St Dev	16.20	6.53	5.25	11.31	55.27	3.25	3.22	0.60	1.04	0.00	4.64	1.33	0.00	0.00
Coef Var	2.383	0.981	0.938	1.719	3.578	0.594	0.576	0.119	0.200	0.000	0.792	0.248	0.000	0.000
Log Mean	0.744	0.764	0.718	0.741	0.797	0.718	0.722	0.703	0.712	0.699	0.726	0.721	0.699	0.699
Geo Mean	5.5	5.8	5.2	5.5	6.3	5.2	5.3	5.1	5.2	5.0	5.3	5.3	5.0	5.0
Log StDv	0.169	0.175	0.109	0.167	0.344	0.990	0.115	0.036	0.063	0.000	0.144	0.080	0.000	0.000
Log CVar	0.228	0.229	0.152	0.225	0.432	0.138	0.159	0.052	0.088	0.000	0.199	0.111	0.000	0.000
Percntls														
Minimum	5	5	5	5	5	5	5	5	5	5	5	5	5	5
10th	5	5	5	5	5	5	5	5	5	5	5	5	5	5
20th	5	5	5	5	5	5	5	5	5	5	5	5	5	5
30th	5	5	5	5	5	5	5	5	5	5	5	5	5	5
40th	5	5	5	5	5	5	5	5	5	5	5	5	5	5
50th	5	5	5	5	5	5	5	5	5	5	5	5	5	5
60th	5	5	5	5	5	5	5	5	5	5	5	5	5	5
70th	5	5	5	5	5	5	5	5	5	5	5	5	5	5
80th	5	5	5	5	5	5	5	5	5	5	5	5	5	5
85th	5	10	5	5	5	5	5	5	5	5	5	5	5	5
90th	5	10	5	5	10	5	5	5	5	5	5	5	5	5
95th	10	10	5	10	40	5	5	5	5	5	5	10	5	5
98th	20	20	10	20	200	10	10	5	10	5	5	10	5	5
99th	40	40	20	30	260	10	20	5	10	5	30	10	5	5
Maximum	580	100	120	190	580	40	30	10	10	5	30	10	5	5

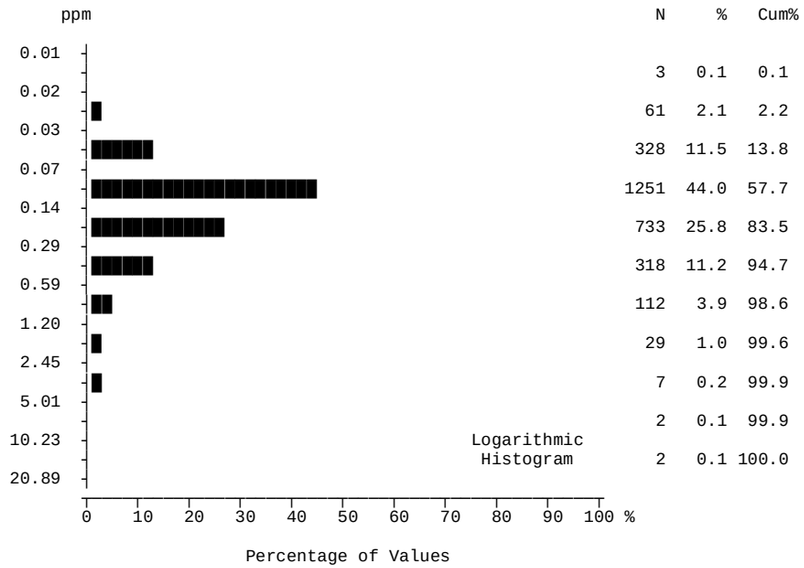
Boron (B)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 10
analytical method : ICPMS

Boron by ICPMS

Summary Statistics



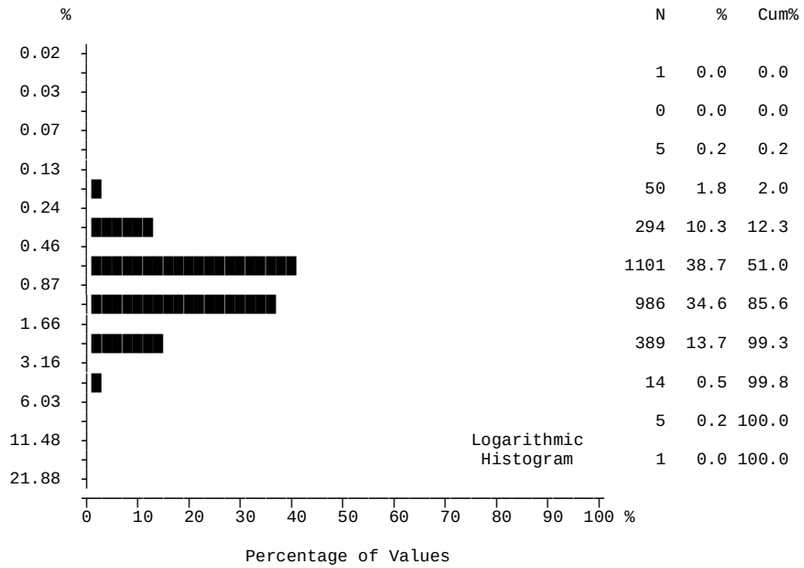
	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2843	1121	654	389	201	126	85	68	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.22	0.26	0.15	0.29	0.14	0.23	0.26	0.10	0.24	0.12	0.15	0.14	0.12	0.12
Median	0.13	0.14	0.10	0.17	0.09	0.12	0.16	0.08	0.15	0.09	0.10	0.11	0.10	0.06
Mode	0.10	0.10	0.06	0.09	0.06	0.11	0.13	0.02	0.11	0.07	0.07	0.10	0.05	0.06
Range	13.39	13.38	2.38	8.72	1.11	11.91	2.40	0.27	1.04	0.53	0.85	0.27	0.27	0.61
St Dev	0.50	0.55	0.18	0.67	0.16	1.06	0.30	0.07	0.23	0.09	0.17	0.07	0.08	0.19
Coef Var	2.252	2.091	1.164	2.298	1.141	4.614	1.169	0.693	0.969	0.755	1.089	0.489	0.698	1.621
Log Mean	-0.850	-0.770	-0.966	-0.737	-0.991	-0.912	-0.731	-1.138	-0.759	-1.007	-0.957	-0.891	-1.001	-1.150
Geo Mean	0.14	0.17	0.11	0.18	0.10	0.12	0.19	0.07	0.17	0.10	0.11	0.13	0.10	0.07
Log StDv	0.348	0.335	0.336	0.346	0.314	0.281	0.331	0.342	0.324	0.223	0.328	0.196	0.245	0.352
Log CVar	-0.410	-0.435	-0.348	-0.470	-0.317	-0.308	-0.453	-0.301	-0.427	-0.222	-0.343	-0.220	-0.245	-0.306
Percntls														
Minimum	0.01	0.02	0.01	0.02	0.03	0.04	0.04	0.01	0.05	0.04	0.03	0.06	0.05	0.04
10th	0.06	0.08	0.04	0.07	0.04	0.06	0.08	0.02	0.07	0.05	0.04	0.08	0.05	0.04
20th	0.08	0.10	0.06	0.10	0.06	0.08	0.10	0.03	0.10	0.06	0.07	0.09	0.05	0.04
30th	0.09	0.11	0.07	0.12	0.07	0.09	0.12	0.04	0.11	0.07	0.07	0.10	0.08	0.05
40th	0.11	0.13	0.09	0.14	0.08	0.11	0.14	0.06	0.13	0.08	0.10	0.10	0.09	0.05
50th	0.13	0.14	0.10	0.17	0.09	0.12	0.16	0.08	0.15	0.09	0.10	0.11	0.10	0.06
60th	0.15	0.17	0.12	0.19	0.10	0.13	0.18	0.09	0.19	0.10	0.11	0.14	0.11	0.06
70th	0.18	0.21	0.15	0.25	0.13	0.15	0.26	0.12	0.25	0.12	0.13	0.16	0.11	0.06
80th	0.25	0.28	0.19	0.34	0.16	0.17	0.36	0.16	0.29	0.13	0.16	0.20	0.12	0.07
85th	0.31	0.36	0.24	0.39	0.20	0.18	0.40	0.17	0.31	0.14	0.27	0.21	0.13	0.08
90th	0.40	0.48	0.30	0.50	0.30	0.22	0.57	0.20	0.40	0.17	0.28	0.21	0.30	0.08
95th	0.61	0.76	0.46	0.69	0.45	0.32	0.68	0.22	0.88	0.25	0.40	0.30	0.30	0.65
98th	1.00	1.48	0.68	1.03	0.70	0.45	0.83	0.23	0.90	0.27	0.40	0.30	0.32	0.65
99th	1.58	2.07	0.84	2.05	0.76	0.54	0.83	0.23	1.09	0.57	0.88	0.33	0.32	0.65
Maximum	13.40	13.40	2.39	8.74	1.14	11.95	2.44	0.28	1.09	0.57	0.88	0.33	0.32	0.65

Cadmium (Cd)
Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.01
analytical method : ICPMS

Cadmium by ICPMS

Summary Statistics



	N	%	Cum%
	1	0.0	0.0
	0	0.0	0.0
	5	0.2	0.2
	50	1.8	2.0
	294	10.3	12.3
	1101	38.7	51.0
	986	34.6	85.6
	389	13.7	99.3
	14	0.5	99.8
	5	0.2	100.0
	1	0.0	100.0

	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	1.04	1.46	0.80	0.82	0.80	0.80	0.78	0.40	0.71	0.59	0.72	0.80	0.61	0.44
Median	0.87	1.26	0.74	0.74	0.74	0.72	0.74	0.24	0.67	0.58	0.70	0.71	0.56	0.34
Mode	0.75	0.75	0.51	0.73	0.55	0.84	0.72	0.19	0.69	0.45	0.56	0.67	0.59	0.38
Range	18.02	17.84	2.94	3.71	4.74	2.03	1.59	1.35	1.42	1.14	0.74	0.97	0.92	1.17
St Dev	0.76	0.96	0.40	0.39	0.43	0.38	0.25	0.31	0.32	0.22	0.16	0.28	0.24	0.33
Coef Var	0.724	0.659	0.500	0.476	0.547	0.468	0.320	0.771	0.452	0.373	0.225	0.355	0.395	0.749
Log Mean	-0.059	0.102	-0.148	-0.130	-0.146	-0.138	-0.130	-0.516	-0.186	-0.259	-0.155	-0.128	-0.238	-0.428
Geo Mean	0.87	1.27	0.71	0.74	0.72	0.73	0.74	0.30	0.65	0.55	0.70	0.75	0.58	0.37
Log StDv	0.259	0.230	0.215	0.192	0.200	0.193	0.140	0.335	0.183	0.152	0.097	0.169	0.141	0.247
Log CVar	-4.384	2.255	-1.463	-1.474	-1.377	-1.401	-1.073	-0.650	-0.986	-0.589	-0.632	-1.332	-0.594	-0.578
Percntls														
Minimum	0.03	0.21	0.14	0.13	0.13	0.16	0.26	0.03	0.30	0.24	0.39	0.31	0.39	0.16
10th	0.42	0.66	0.37	0.41	0.40	0.41	0.53	0.13	0.38	0.33	0.55	0.41	0.42	0.16
20th	0.55	0.82	0.47	0.53	0.51	0.51	0.60	0.16	0.46	0.40	0.56	0.57	0.44	0.21
30th	0.66	0.95	0.55	0.61	0.57	0.61	0.65	0.19	0.51	0.45	0.62	0.64	0.47	0.30
40th	0.75	1.09	0.65	0.68	0.65	0.66	0.68	0.21	0.56	0.50	0.66	0.68	0.49	0.33
50th	0.87	1.26	0.74	0.74	0.74	0.72	0.74	0.24	0.67	0.58	0.70	0.71	0.56	0.34
60th	0.99	1.44	0.82	0.82	0.84	0.81	0.79	0.36	0.69	0.60	0.71	0.76	0.59	0.38
70th	1.15	1.70	0.93	0.91	0.92	0.86	0.87	0.53	0.79	0.66	0.79	0.99	0.61	0.38
80th	1.42	2.02	1.06	1.03	1.02	1.01	0.94	0.65	0.89	0.69	0.84	1.12	0.62	0.43
85th	1.63	2.27	1.16	1.12	1.08	1.11	1.00	0.78	0.98	0.74	0.88	1.13	0.73	0.56
90th	1.90	2.49	1.30	1.30	1.13	1.26	1.07	0.93	1.18	0.80	0.91	1.14	0.97	0.56
95th	2.38	2.73	1.56	1.57	1.40	1.62	1.18	1.02	1.39	0.91	0.99	1.28	0.97	1.33
98th	2.75	3.08	1.91	1.78	1.70	1.82	1.31	1.14	1.54	1.14	0.99	1.28	1.31	1.33
99th	3.04	3.85	2.17	1.97	1.96	2.03	1.42	1.14	1.72	1.38	1.13	1.28	1.31	1.33
Maximum	18.05	18.05	3.08	3.84	4.87	2.19	1.85	1.38	1.72	1.38	1.13	1.28	1.31	1.33

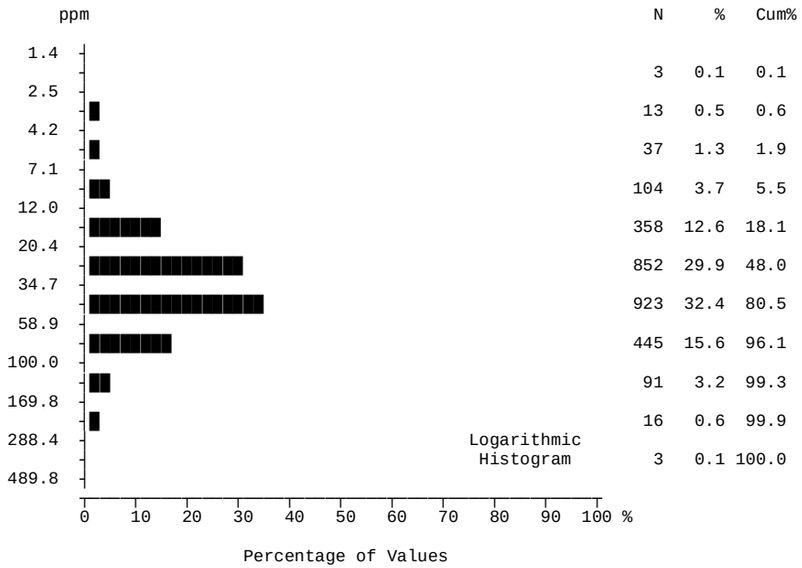
Calcium (Ca)

Stream Sediment

number of values : 2846
units : %
detection limit : 0.01
analytical method : ICPMS

Calcium by ICPMS

Summary Statistics



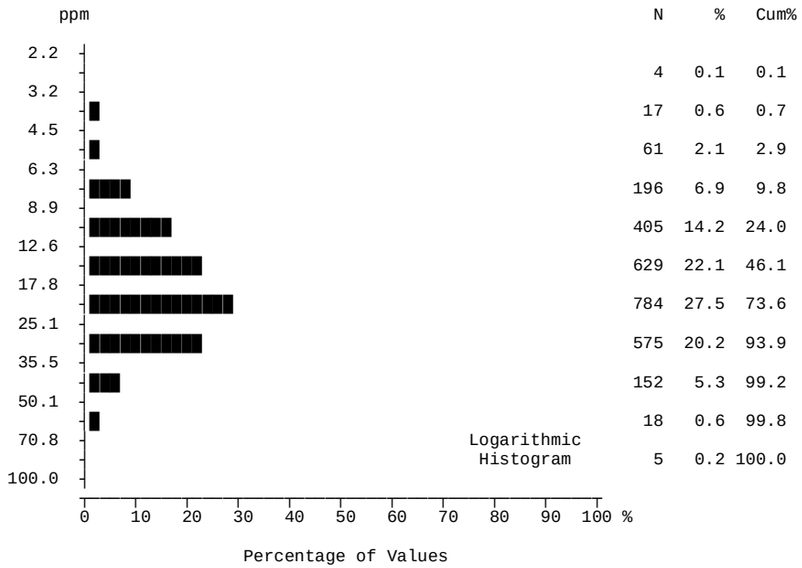
	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	42.57	54.38	28.63	31.33	38.85	38.12	62.49	44.71	49.71	40.03	44.41	24.32	38.66	24.66
Median	35.70	46.90	23.70	27.40	30.50	34.90	52.00	40.80	37.40	37.00	36.30	24.00	35.70	17.00
Mode	29.10	40.00	22.10	22.10	19.90	31.10	33.70	35.40	22.40	33.10	12.90	25.20	23.40	4.00
Range	496.7	495.4	105.7	218.7	319.2	91.4	204.8	134.8	258.4	67.3	134.6	29.2	58.9	74.0
St Dev	31.34	35.75	18.54	19.94	32.42	16.05	39.18	19.56	44.71	13.67	31.80	7.33	14.93	20.63
Coef Var	0.736	0.657	0.648	0.637	0.834	0.421	0.627	0.437	0.899	0.341	0.716	0.301	0.386	0.837
Log Mean	1.540	1.667	1.365	1.437	1.492	1.546	1.723	1.622	1.599	1.582	1.563	1.368	1.563	1.276
Geo Mean	34.65	46.46	23.15	27.37	31.04	35.19	52.85	41.91	39.71	38.22	36.52	23.35	36.52	18.89
Log StDv	0.284	0.246	0.298	0.221	0.287	0.173	0.250	0.149	0.270	0.129	0.267	0.124	0.146	0.342
Log CVar	0.185	0.147	0.218	0.154	0.192	0.112	0.145	0.092	0.169	0.081	0.171	0.091	0.093	0.268
Percntls														
Minimum	2.3	3.6	2.3	2.3	4.8	13.1	16.2	16.7	8.6	20.4	12.9	14.3	23.4	4.0
10th	15.6	23.8	9.2	14.8	13.6	21.9	25.4	30.2	20.9	27.5	16.3	16.3	24.0	4.0
20th	21.3	31.1	13.8	18.9	18.3	24.0	30.8	34.0	24.6	30.8	20.9	17.0	25.4	10.0
30th	25.7	36.3	17.5	21.5	23.1	28.8	38.6	35.3	29.3	32.4	24.9	18.8	28.9	13.0
40th	30.8	41.7	20.9	24.3	27.1	31.7	46.0	36.9	30.1	33.1	31.3	21.6	32.4	15.6
50th	35.7	46.9	23.7	27.4	30.5	34.9	52.0	40.8	37.4	37.0	36.3	24.0	35.7	17.0
60th	41.3	52.8	27.3	29.7	36.3	37.1	62.8	45.1	42.0	38.8	38.4	25.2	38.3	24.1
70th	48.4	60.6	33.4	34.6	41.2	42.4	71.4	47.9	49.6	40.3	43.7	26.0	41.5	24.3
80th	58.2	72.0	41.4	39.9	52.0	49.6	87.3	51.8	55.2	46.3	59.0	27.6	44.8	29.0
85th	65.9	79.2	46.9	43.8	63.2	54.1	93.5	53.1	61.3	50.7	72.5	28.9	49.5	31.6
90th	75.5	89.3	55.1	49.7	74.2	60.8	113.0	55.0	88.1	55.1	73.1	34.4	51.1	31.6
95th	91.6	109.5	65.9	60.5	86.6	70.4	151.0	71.1	122.0	70.0	120.0	39.2	51.1	78.0
98th	121.5	145.5	79.2	78.1	106.0	74.9	160.0	121.5	174.0	78.1	120.0	39.2	82.3	78.0
99th	157.0	178.0	83.9	85.5	158.0	84.8	177.0	121.5	267.0	87.7	147.5	43.5	82.3	78.0
Maximum	499.0	499.0	108.0	221.0	324.0	104.5	221.0	151.5	267.0	87.7	147.5	43.5	82.3	78.0

Chromium (Cr)
Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.5
analytical method : ICPMS

Chromium by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	19.94	24.85	14.42	19.55	16.63	16.64	21.98	15.81	19.52	20.59	19.37	13.60	13.15	8.30
Median	18.60	24.90	12.60	19.00	15.00	14.70	21.80	14.60	18.00	16.70	16.90	12.50	11.80	6.70
Mode	10.90	26.20	10.90	19.00	11.70	8.30	24.10	17.30	17.40	13.00	13.70	7.60	7.30	4.10
Range	79.3	79.2	63.9	44.4	56.0	38.8	54.6	44.1	33.2	69.7	38.7	18.4	25.5	15.1
St Dev	9.59	9.95	7.42	6.52	7.31	6.81	7.68	7.86	8.21	14.04	9.08	3.99	6.12	4.33
Coef Var	0.481	0.401	0.515	0.334	0.440	0.409	0.349	0.497	0.421	0.682	0.469	0.293	0.465	0.521
Log Mean	1.249	1.356	1.108	1.267	1.182	1.186	1.317	1.150	1.253	1.253	1.254	1.117	1.087	0.879
Geo Mean	17.73	22.69	12.81	18.51	15.22	15.34	20.77	14.13	17.91	17.91	17.93	13.09	12.23	7.56
Log StDv	0.218	0.196	0.213	0.146	0.185	0.178	0.149	0.211	0.185	0.213	0.162	0.121	0.161	0.187
Log CVar	0.175	0.145	0.192	0.115	0.157	0.150	0.114	0.183	0.148	0.170	0.129	0.109	0.148	0.213
Percntls														
Minimum	2.9	3.0	2.9	5.2	3.0	5.4	6.9	4.2	7.2	7.3	10.2	7.6	7.3	4.1
10th	9.0	12.0	6.9	11.8	9.5	8.4	14.1	7.3	9.5	10.6	11.4	8.8	8.0	4.1
20th	11.6	16.2	8.7	14.2	10.9	10.8	16.0	9.0	13.3	11.3	13.7	10.7	8.1	5.2
30th	14.0	19.3	9.9	16.2	12.1	12.5	18.1	11.9	15.6	13.0	14.2	11.4	10.7	6.3
40th	16.2	22.2	11.1	17.9	13.3	13.7	19.1	13.6	17.4	16.0	15.1	12.0	11.4	6.4
50th	18.6	24.9	12.6	19.0	15.0	14.7	21.8	14.6	18.0	16.7	16.9	12.5	11.8	6.7
60th	20.9	27.3	14.6	20.6	16.8	17.1	23.1	16.2	18.9	17.9	17.8	14.3	12.8	7.0
70th	23.9	29.6	16.7	21.9	19.6	20.7	24.2	17.8	22.1	20.1	19.5	15.0	14.1	7.5
80th	27.5	32.4	19.4	23.5	21.5	22.3	25.9	19.6	24.9	24.1	21.3	16.1	14.8	9.3
85th	29.7	34.4	20.9	24.9	24.4	23.3	27.4	20.4	26.8	29.0	23.2	16.6	15.6	11.3
90th	32.3	36.2	23.9	27.0	25.1	26.6	30.4	23.5	30.6	29.5	27.5	17.3	16.0	11.3
95th	36.5	40.8	27.6	30.8	28.6	28.3	32.5	33.1	39.7	32.1	46.0	20.9	16.0	19.2
98th	41.9	46.6	33.6	37.9	36.1	30.6	39.5	39.1	39.7	75.3	46.0	20.9	32.8	19.2
99th	47.8	53.4	36.4	41.2	39.6	31.9	40.1	39.1	40.4	77.0	48.9	26.0	32.8	19.2
Maximum	82.2	82.2	66.8	49.6	59.0	44.2	61.5	48.3	40.4	77.0	48.9	26.0	32.8	19.2

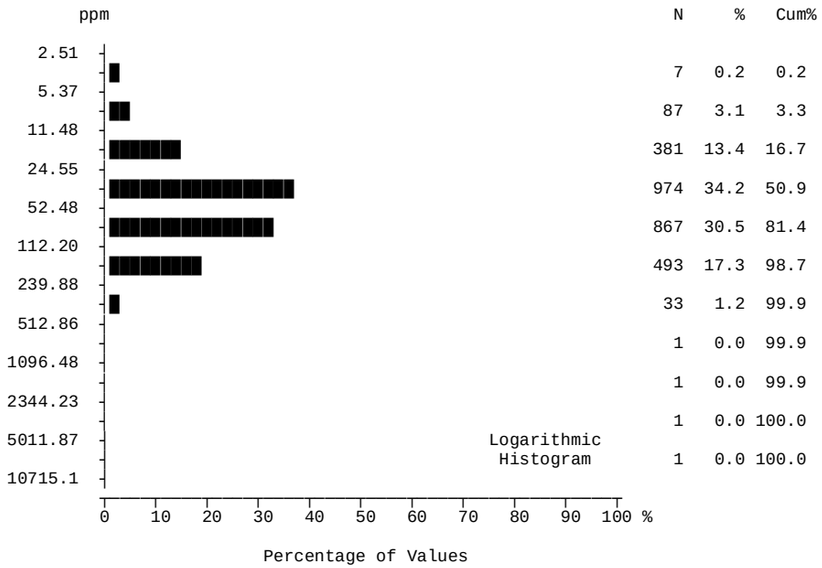
Cobalt (Co)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.1
analytical method : ICPMS

Cobalt by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	72.89	103.99	47.58	47.19	73.30	55.86	74.62	39.24	79.58	52.53	58.48	26.97	37.41	18.19
Median	51.50	92.90	33.00	40.60	33.00	43.60	68.90	33.80	61.00	47.20	46.20	24.50	21.70	12.25
Mode	21.60	110.00	18.15	27.80	32.80	27.90	48.10	17.75	14.95	28.70	22.30	18.75	21.60	14.10
Range	6896.29	3175.39	304.29	316.27	6893.25	338.10	228.30	321.48	324.05	88.50	141.70	38.20	99.00	46.48
St Dev	152.55	115.39	41.56	29.07	485.16	43.65	37.86	39.26	60.81	22.95	32.74	8.56	29.57	14.43
Coef Var	2.093	1.110	0.873	0.616	6.619	0.781	0.507	1.000	0.764	0.437	0.560	0.318	0.791	0.793
Log Mean	1.716	1.916	1.538	1.616	1.527	1.657	1.824	1.509	1.816	1.680	1.714	1.412	1.475	1.166
Geo Mean	51.95	82.36	34.55	41.27	33.67	45.39	66.68	32.26	65.39	47.88	51.77	25.80	29.88	14.65
Log StDv	0.345	0.303	0.352	0.221	0.297	0.269	0.212	0.252	0.263	0.190	0.211	0.130	0.282	0.286
Log CVar	0.201	0.158	0.229	0.137	0.194	0.163	0.116	0.167	0.145	0.113	0.123	0.092	0.191	0.245
Percntls														
Minimum	3.71	4.61	3.71	5.73	6.75	14.90	12.70	5.52	14.95	23.00	22.30	14.00	14.50	5.32
10th	18.85	30.90	11.80	23.30	15.45	20.20	41.60	17.60	34.60	26.00	27.30	18.75	15.15	5.32
20th	27.10	44.80	17.60	28.40	19.90	26.30	48.10	23.30	40.90	30.30	34.90	19.60	16.85	8.74
30th	34.00	60.80	21.80	32.60	26.30	29.80	56.90	27.30	48.60	34.20	38.00	21.40	20.90	10.85
40th	41.70	77.80	27.30	36.70	30.20	37.00	60.30	30.90	53.90	36.80	44.30	22.80	21.60	11.90
50th	51.50	92.90	33.00	40.60	33.00	43.60	68.90	33.80	61.00	47.20	46.20	24.50	21.70	12.25
60th	64.70	110.00	43.10	45.60	38.10	51.90	74.10	37.70	65.00	54.90	54.40	24.80	26.00	14.10
70th	82.10	126.50	54.30	50.80	45.10	60.10	78.30	40.20	81.20	63.40	65.50	31.60	30.40	14.10
80th	108.50	147.00	73.20	61.00	51.10	76.20	86.90	44.10	101.50	70.50	73.50	33.00	61.00	16.60
85th	123.50	157.50	86.00	67.10	57.20	84.00	97.90	47.40	109.50	75.70	78.00	33.60	67.00	36.20
90th	143.00	172.50	99.20	74.90	63.00	102.50	118.50	49.50	134.00	85.80	89.20	37.40	82.10	36.20
95th	172.00	199.00	134.50	98.50	76.50	140.00	141.50	69.90	188.50	91.10	144.00	40.00	82.10	51.80
98th	209.00	246.00	161.50	116.50	101.00	155.50	182.00	131.50	261.00	98.20	144.00	40.00	113.50	51.80
99th	261.00	307.00	196.50	169.00	143.00	167.00	186.50	131.50	339.00	111.50	164.00	52.20	113.50	51.80
Maximum	6900.00	3180.00	308.00	322.00	6900.00	353.00	241.00	327.00	339.00	111.50	164.00	52.20	113.50	51.80

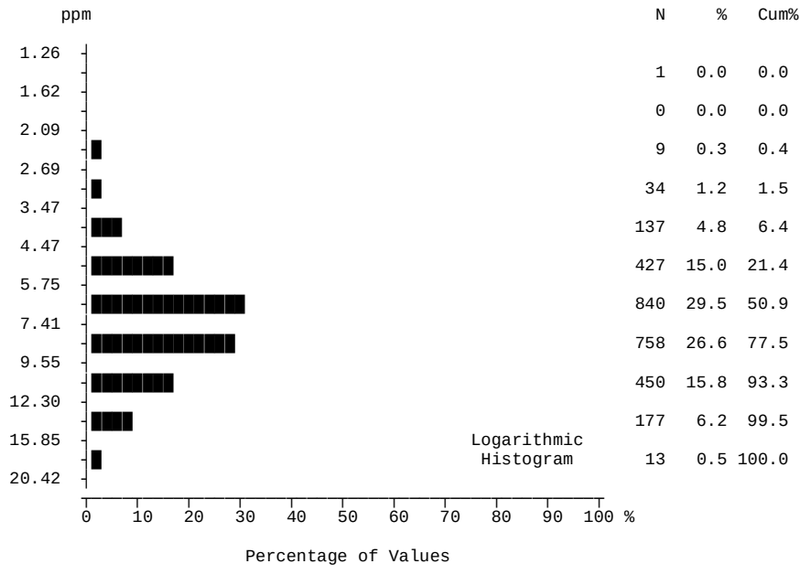
Copper (Cu)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.01
analytical method : ICPMS

Copper by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	7.81	9.12	6.71	8.15	6.73	6.60	7.07	5.90	6.79	5.27	6.69	7.21	5.40	4.47
Median	7.36	8.95	6.50	8.03	6.66	6.20	6.75	5.77	6.56	5.20	6.59	7.26	5.39	4.12
Mode	10.55	10.40	4.89	10.10	7.75	6.64	5.51	5.66	5.59	4.17	4.63	6.91	3.76	2.39
Range	16.04	16.04	12.93	12.10	8.07	8.41	11.51	6.50	8.15	5.24	5.04	6.63	3.71	4.67
St Dev	2.59	2.89	1.87	1.90	1.56	1.93	1.91	1.54	1.73	1.26	1.24	1.48	1.35	1.65
Coef Var	0.331	0.317	0.278	0.233	0.232	0.292	0.270	0.260	0.255	0.239	0.186	0.205	0.250	0.368
Log Mean	0.869	0.936	0.810	0.899	0.816	0.802	0.836	0.756	0.818	0.709	0.818	0.849	0.719	0.623
Geo Mean	7.39	8.63	6.46	7.93	6.55	6.34	6.86	5.70	6.57	5.12	6.58	7.06	5.24	4.20
Log StDv	0.145	0.150	0.121	0.103	0.105	0.126	0.106	0.119	0.113	0.104	0.081	0.094	0.110	0.163
Log CVar	0.167	0.161	0.150	0.115	0.128	0.157	0.126	0.158	0.138	0.146	0.990	0.111	0.153	0.262
Percntls														
Minimum	1.36	1.36	2.67	3.65	2.93	3.24	3.79	2.85	3.55	3.10	4.63	4.27	3.76	2.39
10th	4.84	5.51	4.52	5.82	4.71	4.39	5.10	3.71	4.58	3.59	4.99	5.06	3.82	2.39
20th	5.65	6.49	5.08	6.59	5.33	4.83	5.70	4.58	5.33	4.17	5.52	6.03	3.89	2.73
30th	6.23	7.28	5.70	7.10	5.97	5.36	6.21	5.09	5.87	4.34	5.81	6.65	4.14	2.89
40th	6.81	8.08	6.08	7.57	6.26	5.69	6.44	5.57	6.06	4.64	6.46	6.91	4.43	4.00
50th	7.36	8.95	6.50	8.03	6.66	6.20	6.75	5.77	6.56	5.20	6.59	7.26	5.39	4.12
60th	8.03	9.80	6.95	8.54	7.03	6.82	7.13	5.93	6.92	5.45	6.85	7.50	5.72	4.28
70th	8.81	10.75	7.53	9.09	7.47	7.42	7.47	6.72	7.65	5.77	7.16	7.61	6.17	4.44
80th	9.84	11.70	8.24	9.69	7.88	8.35	8.01	7.35	8.53	6.40	7.71	8.48	6.76	6.36
85th	10.60	12.35	8.66	10.10	8.36	8.73	8.33	7.76	8.67	6.92	8.03	8.60	6.92	6.45
90th	11.50	13.05	9.13	10.55	8.71	9.42	8.97	7.92	8.96	7.16	8.07	8.78	7.30	6.45
95th	12.80	14.00	9.93	11.40	9.44	10.15	9.75	8.42	9.12	7.24	8.58	9.15	7.30	7.06
98th	14.10	15.15	10.95	12.05	10.45	10.70	11.15	8.84	9.62	7.36	8.58	9.15	7.47	7.06
99th	15.10	15.90	11.75	13.00	10.90	11.55	15.25	8.84	11.70	8.34	9.67	10.90	7.47	7.06
Maximum	17.40	17.40	15.60	15.75	11.00	11.65	15.30	9.35	11.70	8.34	9.67	10.90	7.47	7.06

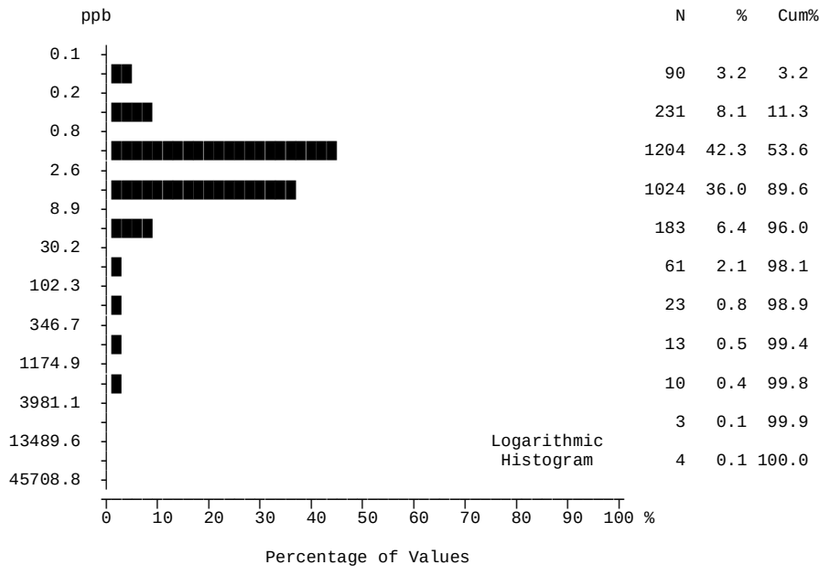
Gallium (Ga)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.05
analytical method : ICPMS

Gallium by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2756	1109	619	368	200	119	85	65	43	42	27	26	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	48.01	47.27	16.57	115.80	20.02	18.22	213.94	16.18	15.36	25.67	2.48	1.23	1.48	1.19
Median	2.50	3.40	1.80	2.30	1.80	2.00	3.40	1.40	2.80	1.40	2.50	1.20	1.10	1.00
Mode	1.00	2.20	1.20	1.00	1.60	1.00	2.00	0.80	1.40	1.10	0.20	0.60	1.00	0.90
Range	20099.9	20099.9	3429.9	20099.9	3369.8	1739.9	16249.4	926.9	362.9	999.8	5.5	2.2	3.7	1.6
St Dev	719.20	657.96	163.75	1329.50	237.57	154.94	1765.03	111.54	56.39	152.16	1.59	0.63	0.98	0.52
Coef Var	14.981	13.918	9.884	11.481	11.867	8.503	8.250	6.894	3.672	5.929	0.643	0.512	0.662	0.435
Log Mean	0.423	0.571	0.284	0.379	0.315	0.293	0.704	0.211	0.551	0.277	0.263	0.023	0.102	0.033
Geo Mean	2.65	3.72	1.92	2.39	2.06	1.96	5.05	1.63	3.55	1.89	1.83	1.05	1.26	1.08
Log StDv	0.580	0.531	0.578	0.679	0.433	0.593	0.642	0.516	0.573	0.552	0.397	0.266	0.241	0.213
Log CVar	1.371	0.931	2.043	1.793	1.379	2.031	0.913	2.446	1.041	1.993	1.508	12.068	2.389	6.650
Percntls														
Minimum	0.1	0.1	0.1	0.1	0.2	0.1	0.6	0.1	0.1	0.2	0.2	0.2	0.5	0.4
10th	0.7	1.2	0.5	0.5	0.7	0.4	1.6	0.8	1.4	0.7	0.5	0.5	0.7	0.4
20th	1.1	1.7	0.8	1.0	1.1	0.8	2.0	0.9	1.7	0.9	0.9	0.6	0.8	0.7
30th	1.5	2.3	1.1	1.4	1.3	1.1	2.3	1.0	2.3	1.1	1.2	0.7	1.0	0.9
40th	2.0	2.8	1.4	1.7	1.6	1.5	2.7	1.2	2.6	1.3	1.9	1.0	1.0	0.9
50th	2.5	3.4	1.8	2.3	1.8	2.0	3.4	1.4	2.8	1.4	2.5	1.2	1.1	1.0
60th	3.1	4.1	2.3	2.7	2.2	2.4	5.3	1.6	3.3	1.7	2.7	1.2	1.2	1.1
70th	3.9	5.0	2.8	3.4	2.7	3.0	6.2	2.2	3.8	1.9	3.2	1.5	1.6	1.4
80th	5.4	6.8	4.0	4.6	3.8	4.1	10.4	2.6	4.7	2.9	3.7	1.8	1.7	1.7
85th	6.8	8.0	5.4	6.9	4.2	4.8	13.3	2.9	7.5	3.7	4.5	1.9	2.3	1.8
90th	9.3	11.2	7.2	10.6	5.4	6.7	23.3	3.8	15.5	5.5	4.5	2.2	2.9	1.8
95th	21.5	23.5	16.4	48.8	10.0	20.8	67.8	7.1	36.1	9.9	5.3	2.4	2.9	2.0
98th	88.9	112.0	69.5	108.0	16.8	41.0	99.3	66.0	127.0	20.9	5.3	2.4	4.2	2.0
99th	375.0	476.0	210.0	297.0	45.1	81.8	1220.0	66.0	363.0	1000.0	5.7	2.4	4.2	2.0
Maximum	20100.0	20100.0	3430.0	20100.0	3370.0	1740.0	16250.0	927.0	363.0	1000.0	5.7	2.4	4.2	2.0

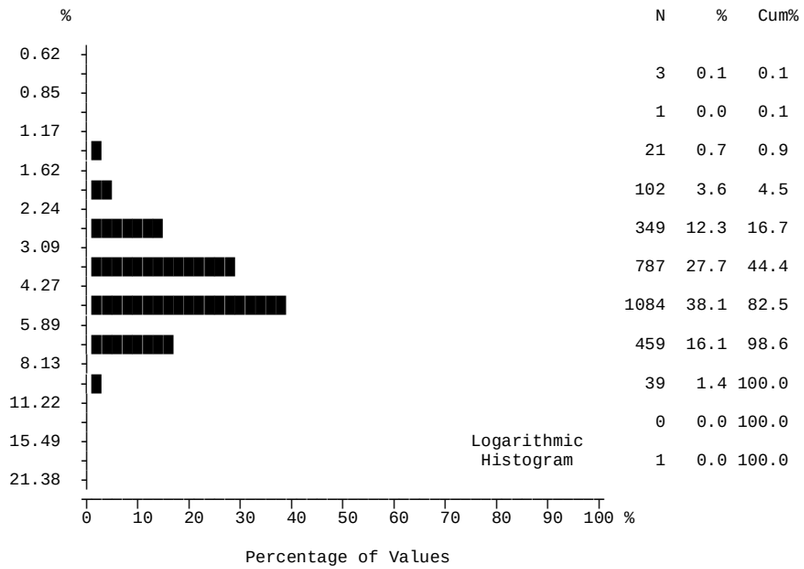
Gold (Au)

Stream Sediment

number of values : 2846
units : ppb
detection limit : 0.2
analytical method : ICPMS

Gold by ICPMS

Summary Statistics



	N	%	Cum%
	3	0.1	0.1
	1	0.0	0.1
	21	0.7	0.9
	102	3.6	4.5
	349	12.3	16.7
	787	27.7	44.4
	1084	38.1	82.5
	459	16.1	98.6
	39	1.4	100.0
	0	0.0	100.0
	1	0.0	100.0

	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	4.54	5.00	4.12	5.05	4.18	4.13	4.28	3.05	3.95	3.14	4.02	4.03	3.08	3.35
Median	4.45	5.05	3.99	4.92	3.96	3.80	4.18	2.97	3.81	3.05	3.77	3.77	2.94	3.66
Mode	4.27	6.02	4.27	4.52	3.07	3.80	4.36	2.17	3.13	3.33	3.57	3.53	1.73	0.78
Range	19.86	19.86	9.71	9.50	8.58	8.61	4.59	5.39	6.00	3.32	2.89	3.70	4.03	6.06
St Dev	1.50	1.44	1.47	1.38	1.56	1.56	0.82	0.92	1.01	0.71	0.76	0.92	0.99	1.93
Coef Var	0.331	0.289	0.356	0.273	0.374	0.378	0.193	0.301	0.256	0.227	0.188	0.229	0.321	0.577
Log Mean	0.633	0.679	0.587	0.687	0.592	0.589	0.623	0.466	0.583	0.486	0.596	0.595	0.470	0.440
Geo Mean	4.29	4.78	3.86	4.87	3.91	3.88	4.20	2.92	3.83	3.06	3.95	3.94	2.95	2.76
Log StDv	0.151	0.135	0.160	0.119	0.158	0.148	0.083	0.130	0.114	0.100	0.080	0.094	0.130	0.309
Log CVar	0.239	0.199	0.273	0.173	0.268	0.252	0.133	0.279	0.196	0.206	0.134	0.157	0.278	0.702
Percntls														
Minimum	0.74	0.74	0.84	1.65	1.42	1.94	2.49	1.25	1.58	1.73	2.74	2.76	1.73	0.78
10th	2.71	3.18	2.39	3.37	2.47	2.52	3.32	1.94	2.99	2.13	3.13	3.11	2.17	0.78
20th	3.25	3.79	2.89	4.00	2.88	2.92	3.58	2.34	3.13	2.63	3.32	3.16	2.28	1.30
30th	3.68	4.31	3.27	4.33	3.12	3.18	3.82	2.60	3.46	2.74	3.57	3.53	2.35	1.36
40th	4.09	4.72	3.57	4.67	3.60	3.58	4.00	2.79	3.71	2.92	3.72	3.68	2.59	1.99
50th	4.45	5.05	3.99	4.92	3.96	3.80	4.18	2.97	3.81	3.05	3.77	3.77	2.94	3.66
60th	4.85	5.40	4.30	5.24	4.33	4.22	4.36	3.13	4.11	3.26	4.02	3.94	3.19	3.94
70th	5.28	5.76	4.70	5.55	4.73	4.32	4.64	3.36	4.47	3.33	4.29	4.37	3.64	4.39
80th	5.76	6.06	5.28	5.93	5.26	5.01	4.91	3.54	4.56	3.61	4.51	4.57	3.68	4.47
85th	6.02	6.27	5.52	6.18	5.63	5.49	5.07	3.80	4.67	3.99	4.72	5.21	3.76	4.76
90th	6.39	6.63	6.12	6.65	6.14	5.98	5.24	4.10	4.88	4.12	5.18	5.31	3.77	4.76
95th	6.98	7.03	6.64	7.54	7.10	7.48	5.59	4.60	5.75	4.34	5.48	5.63	3.77	6.84
98th	7.85	7.65	7.78	8.11	8.25	7.98	6.38	5.71	5.82	4.41	5.48	5.63	5.76	6.84
99th	8.60	8.46	8.09	9.20	8.90	9.65	6.41	5.71	7.58	5.05	5.63	6.46	5.76	6.84
Maximum	20.60	20.60	10.55	11.15	10.00	10.55	7.08	6.64	7.58	5.05	5.63	6.46	5.76	6.84

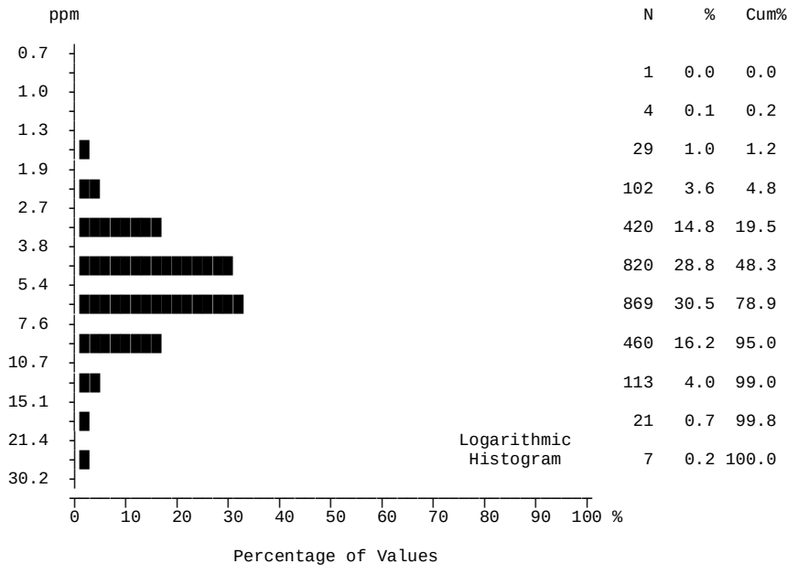
Iron (Fe)

Stream Sediment

number of values : 2846
units : %
detection limit : 0.01
analytical method : ICPMS

Iron by ICPMS

Summary Statistics



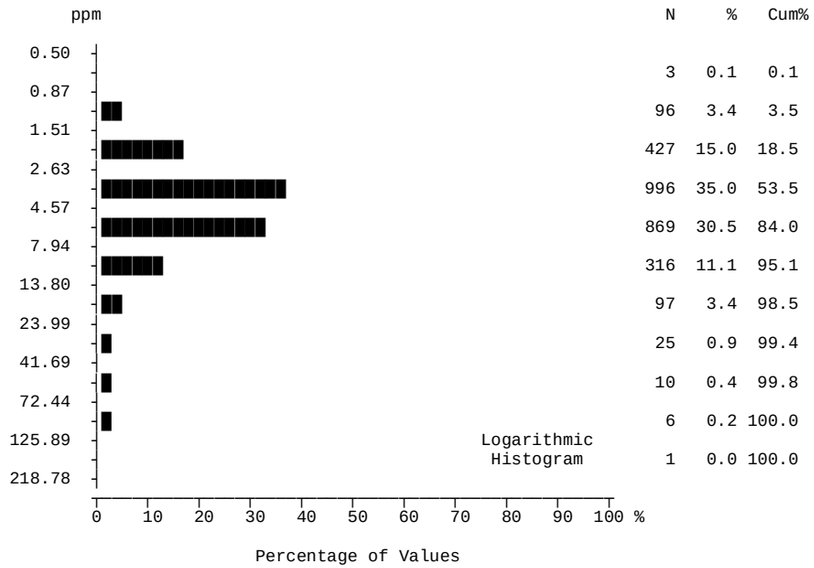
	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	5.94	5.14	6.86	7.16	5.28	6.12	7.15	5.80	5.95	4.06	4.01	6.90	4.04	4.95
Median	5.50	4.80	6.20	6.70	4.60	6.00	6.60	5.60	5.90	3.70	3.80	6.90	4.10	4.80
Mode	4.40	3.60	4.40	7.90	3.60	6.20	6.00	4.10	5.00	3.20	2.50	5.70	2.80	5.60
Range	25.6	22.0	23.1	16.7	20.1	9.7	24.9	8.7	11.4	6.2	5.3	8.0	6.4	5.0
St Dev	2.69	1.99	3.15	2.77	2.78	1.77	3.77	1.87	2.66	1.24	1.45	1.95	1.65	1.50
Coef Var	0.453	0.388	0.459	0.388	0.527	0.288	0.528	0.323	0.447	0.306	0.362	0.283	0.408	0.304
Log Mean	0.734	0.681	0.796	0.824	0.667	0.769	0.807	0.741	0.724	0.591	0.575	0.820	0.578	0.675
Geo Mean	5.42	4.80	6.25	6.67	4.64	5.88	6.41	5.51	5.30	3.90	3.76	6.61	3.79	4.73
Log StDv	0.185	0.160	0.187	0.164	0.221	0.124	0.201	0.142	0.227	0.121	0.162	0.133	0.157	0.143
Log CVar	0.252	0.234	0.236	0.199	0.332	0.162	0.249	0.191	0.313	0.204	0.282	0.162	0.271	0.212
Percntls														
Minimum	0.8	0.8	1.7	2.2	1.3	2.8	1.5	2.8	1.1	2.3	1.8	3.2	2.2	2.6
10th	3.2	3.0	3.6	4.2	2.3	4.0	3.7	3.5	2.7	2.7	2.3	4.2	2.6	2.6
20th	3.9	3.6	4.4	4.8	2.9	4.4	4.2	4.1	3.6	3.2	2.5	5.2	2.8	3.0
30th	4.4	4.1	5.0	5.3	3.6	5.1	5.6	4.4	4.1	3.2	2.9	5.7	3.0	4.2
40th	4.9	4.4	5.7	6.0	4.1	5.5	6.0	4.9	5.0	3.5	3.2	6.5	3.0	4.3
50th	5.5	4.8	6.2	6.7	4.6	6.0	6.6	5.6	5.9	3.7	3.8	6.9	4.1	4.8
60th	6.0	5.3	6.9	7.4	5.4	6.3	7.2	6.1	6.3	4.0	4.2	7.3	4.2	5.5
70th	6.7	5.8	7.7	8.0	6.1	6.7	7.8	6.9	6.9	4.4	4.7	7.5	4.3	5.6
80th	7.7	6.3	9.0	9.3	7.7	7.8	8.9	7.7	7.9	4.7	5.4	8.4	4.4	5.6
85th	8.3	6.9	9.8	10.1	8.1	7.9	9.4	7.8	8.8	5.1	5.6	8.6	5.1	6.3
90th	9.3	7.5	10.8	10.8	9.1	8.1	10.2	7.9	9.9	5.5	5.9	9.3	6.1	6.3
95th	10.7	8.6	12.6	12.3	9.8	9.3	13.0	9.0	10.1	6.5	6.4	10.1	6.1	7.6
98th	12.8	9.9	15.2	14.0	10.8	9.9	16.5	9.5	11.8	7.0	6.4	10.1	8.6	7.6
99th	15.1	11.7	17.4	15.8	12.1	11.4	22.2	9.5	12.5	8.5	7.1	11.2	8.6	7.6
Maximum	26.4	22.8	24.8	18.9	21.4	12.5	26.4	11.5	12.5	8.5	7.1	11.2	8.6	7.6

Lanthanum (La)
Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.2
analytical method : ICPMS

Lanthanum by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	5.83	5.70	5.80	6.30	5.15	6.26	6.78	5.20	5.97	5.35	4.77	3.97	7.36	5.41
Median	4.35	3.93	4.25	5.28	4.06	4.76	5.07	4.10	4.62	4.76	4.43	4.12	3.65	4.40
Mode	3.14	1.50	2.79	4.34	4.00	1.88	3.14	2.93	4.07	3.17	0.97	4.11	1.91	2.08
Range	186.25	86.85	186.11	43.56	45.71	74.83	33.92	37.46	37.93	13.34	10.68	5.92	45.29	11.82
St Dev	6.83	6.60	8.97	4.39	4.17	7.15	5.47	4.87	5.62	2.91	2.44	1.43	11.50	3.47
Coef Var	1.171	1.157	1.546	0.697	0.810	1.141	0.807	0.936	0.941	0.544	0.511	0.361	1.563	0.642
Log Mean	0.657	0.624	0.646	0.733	0.639	0.703	0.752	0.641	0.698	0.669	0.616	0.564	0.647	0.667
Geo Mean	4.54	4.21	4.43	5.41	4.36	5.05	5.64	4.37	4.99	4.66	4.13	3.66	4.43	4.65
Log StDv	0.280	0.310	0.274	0.230	0.234	0.252	0.240	0.222	0.231	0.233	0.252	0.195	0.375	0.245
Log CVar	0.427	0.497	0.425	0.313	0.366	0.358	0.319	0.346	0.331	0.349	0.409	0.345	0.580	0.367
Percntls														
Minimum	0.75	0.75	0.89	1.14	0.79	1.67	2.08	1.94	1.87	1.46	0.97	1.10	1.91	2.08
10th	2.08	1.74	2.12	2.80	2.30	2.42	3.14	2.50	2.46	2.23	1.58	1.97	2.02	2.08
20th	2.72	2.36	2.72	3.56	2.85	3.12	3.64	2.93	3.48	3.00	2.51	2.85	2.13	2.32
30th	3.25	2.85	3.21	4.27	3.28	3.68	4.03	3.10	4.05	3.17	3.32	3.11	2.62	3.22
40th	3.82	3.36	3.70	4.61	3.78	4.20	4.56	3.53	4.29	3.71	4.08	3.98	3.18	4.36
50th	4.35	3.93	4.25	5.28	4.06	4.76	5.07	4.10	4.62	4.76	4.43	4.12	3.65	4.40
60th	5.04	4.66	4.76	6.11	4.68	5.85	6.17	4.71	4.87	5.86	4.94	4.26	3.93	4.70
70th	5.97	5.64	5.55	7.11	5.54	6.55	6.83	5.12	6.22	6.38	5.80	4.39	4.52	5.09
80th	7.28	7.09	6.84	7.91	6.47	7.38	8.15	5.62	7.14	7.07	6.15	5.15	4.77	5.78
85th	8.20	8.83	7.78	8.64	7.26	8.42	8.66	6.51	7.96	7.66	7.53	5.17	11.95	8.25
90th	10.00	10.95	9.67	10.00	7.95	9.98	11.85	7.51	8.58	8.65	7.68	5.51	12.55	8.25
95th	13.65	15.90	13.05	13.35	11.15	12.15	14.55	11.05	9.96	11.50	8.77	6.51	12.55	13.90
98th	20.90	22.90	20.40	17.80	16.25	16.45	26.80	16.95	11.60	12.40	8.77	6.51	47.20	13.90
99th	29.70	29.70	26.70	21.90	18.40	22.20	28.70	16.95	39.80	14.80	11.65	7.02	47.20	13.90
Maximum	187.00	87.60	187.00	44.70	46.50	76.50	36.00	39.40	39.80	14.80	11.65	7.02	47.20	13.90

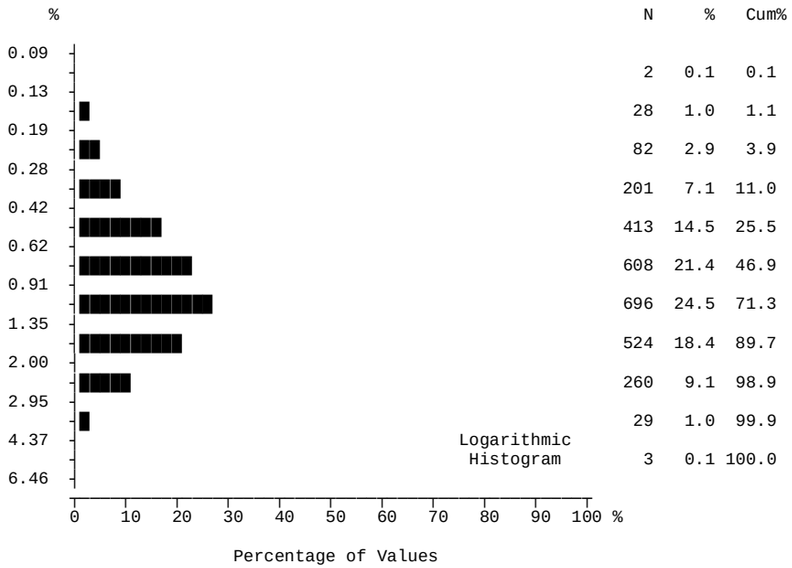
Lead (Pb)

Stream Sediment

number of values	: 2846
units	: ppm
detection limit	: 0.01
analytical method	: ICPMS

Lead by ICPMS

Summary Statistics



	N	%	Cum%
	2	0.1	0.1
	28	1.0	1.1
	82	2.9	3.9
	201	7.1	11.0
	413	14.5	25.5
	608	21.4	46.9
	696	24.5	71.3
	524	18.4	89.7
	260	9.1	98.9
	29	1.0	99.9
	3	0.1	100.0

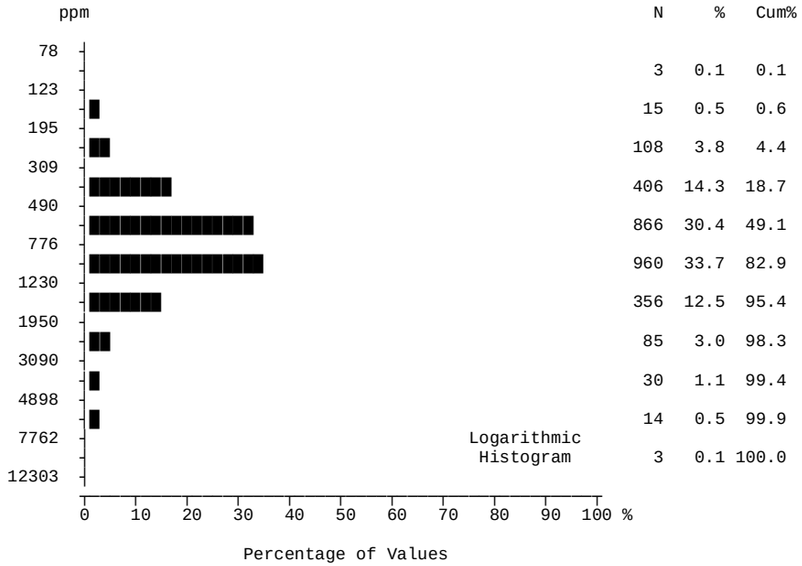
	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	1.10	1.40	0.77	1.13	0.84	0.74	1.41	0.87	1.03	0.72	0.98	0.75	0.65	0.32
Median	0.96	1.31	0.63	1.12	0.76	0.63	1.36	0.84	0.97	0.63	0.93	0.70	0.58	0.26
Mode	0.62	0.90	0.30	1.00	0.73	0.51	1.14	1.00	0.65	0.51	0.75	0.67	0.58	0.21
Range	5.67	5.17	2.75	3.69	5.61	1.60	2.36	2.34	2.50	1.55	1.55	1.40	0.77	0.58
St Dev	0.65	0.74	0.48	0.45	0.50	0.35	0.56	0.34	0.54	0.31	0.38	0.29	0.22	0.16
Coef Var	0.596	0.526	0.630	0.402	0.596	0.478	0.398	0.388	0.521	0.433	0.382	0.389	0.344	0.514
Log Mean	-0.037	0.078	-0.194	0.015	-0.125	-0.176	0.110	-0.087	-0.044	-0.178	-0.036	-0.155	-0.208	-0.540
Geo Mean	0.92	1.20	0.64	1.04	0.75	0.67	1.29	0.82	0.90	0.66	0.92	0.70	0.62	0.29
Log StDv	0.269	0.266	0.263	0.189	0.202	0.195	0.189	0.147	0.232	0.165	0.160	0.155	0.142	0.196
Log CVar	-7.267	3.453	-1.360	12.627	-1.629	-1.117	1.722	-1.714	-5.267	-0.928	-4.573	-1.004	-0.681	-0.363
Percntls														
Minimum	0.11	0.11	0.12	0.17	0.17	0.24	0.38	0.34	0.26	0.35	0.44	0.34	0.38	0.14
10th	0.40	0.51	0.29	0.57	0.40	0.40	0.68	0.51	0.42	0.40	0.56	0.46	0.39	0.14
20th	0.54	0.74	0.37	0.75	0.52	0.46	0.91	0.64	0.53	0.48	0.65	0.50	0.47	0.21
30th	0.67	0.94	0.46	0.89	0.62	0.51	1.04	0.68	0.67	0.52	0.75	0.58	0.53	0.21
40th	0.82	1.11	0.54	1.02	0.70	0.56	1.14	0.74	0.82	0.56	0.89	0.66	0.54	0.24
50th	0.96	1.31	0.63	1.12	0.76	0.63	1.36	0.84	0.97	0.63	0.93	0.70	0.58	0.26
60th	1.12	1.53	0.74	1.21	0.83	0.71	1.48	0.89	1.14	0.72	0.97	0.72	0.58	0.27
70th	1.31	1.75	0.90	1.30	0.95	0.86	1.69	1.00	1.22	0.78	1.01	0.80	0.81	0.36
80th	1.59	2.02	1.08	1.45	1.05	1.04	1.84	1.02	1.29	0.87	1.13	0.88	0.82	0.36
85th	1.76	2.19	1.20	1.53	1.15	1.12	2.06	1.07	1.43	1.03	1.31	0.93	0.84	0.41
90th	2.02	2.37	1.42	1.63	1.27	1.24	2.25	1.11	1.77	1.05	1.49	0.96	1.00	0.41
95th	2.34	2.67	1.73	1.84	1.48	1.52	2.30	1.20	2.12	1.24	1.73	1.19	1.00	0.72
98th	2.72	3.06	2.27	2.15	1.96	1.63	2.65	1.81	2.36	1.44	1.73	1.19	1.15	0.72
99th	2.98	3.39	2.39	2.36	2.09	1.78	2.65	1.81	2.76	1.90	1.99	1.74	1.15	0.72
Maximum	5.78	5.28	2.87	3.86	5.78	1.84	2.74	2.68	2.76	1.90	1.99	1.74	1.15	0.72

Magnesium (Mg)
Stream Sediment

number of values : 2846
units : %
detection limit : 0.01
analytical method : ICPMS

Magnesium by ICPMS

Summary Statistics



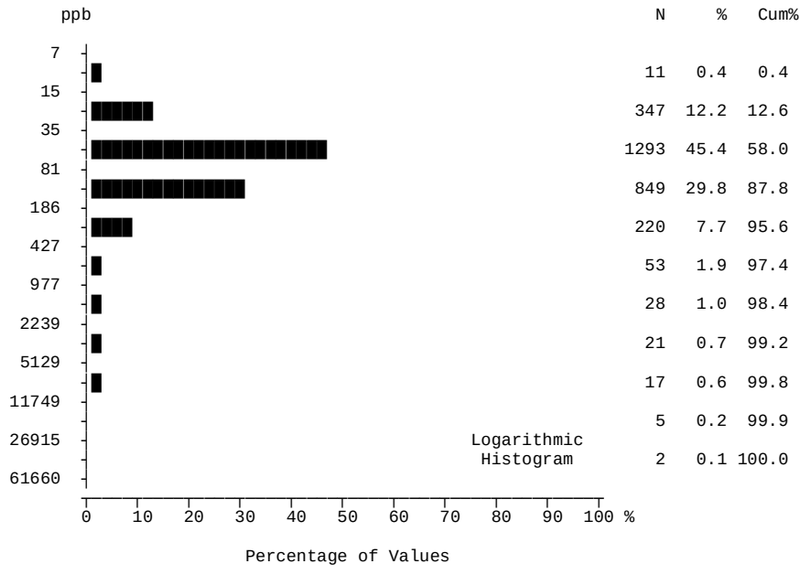
	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	922.6	1068.2	711.0	1141.0	645.8	795.1	926.0	710.8	896.9	917.3	885.0	850.7	516.3	418.9
Median	786.0	921.0	602.0	981.0	556.0	652.0	783.0	532.0	725.0	638.0	702.0	807.0	493.0	207.0
Mode	1020.0	1120.0	1040.0	1020.0	459.0	1020.0	614.0	261.0	527.0	1240.0	292.0	281.0	257.0	207.0
Range	8710	8152	8694	6222	5690	4516	7387	7035	7465	4206	3788	1889	813	1791
St Dev	701.93	743.44	516.24	717.27	483.68	550.09	803.67	906.87	1097.61	869.09	771.62	437.89	224.26	535.97
Coef Var	0.761	0.696	0.726	0.629	0.749	0.692	0.868	1.276	1.224	0.947	0.872	0.515	0.434	1.279
Log Mean	2.891	2.965	2.791	3.003	2.755	2.834	2.917	2.721	2.855	2.854	2.859	2.884	2.678	2.466
Geo Mean	778.7	923.0	617.9	1007.5	568.4	682.6	825.7	525.8	716.2	714.5	722.7	765.9	476.7	292.2
Log StDv	0.242	0.225	0.219	0.205	0.201	0.228	0.171	0.300	0.240	0.278	0.253	0.198	0.177	0.323
Log CVar	0.084	0.076	0.078	0.068	0.073	0.080	0.058	0.110	0.084	0.980	0.088	0.069	0.066	0.131
Percntls														
Minimum	80	138	96	218	80	244	393	125	265	294	292	281	257	129
10th	395	512	348	563	348	345	566	212	407	360	347	497	304	129
20th	504	651	418	715	412	422	620	268	501	411	438	536	325	201
30th	589	745	478	823	457	505	665	379	542	430	501	562	347	205
40th	684	840	538	924	508	565	734	480	609	538	618	625	348	207
50th	786	921	602	981	556	652	783	532	725	638	702	807	493	207
60th	892	1020	668	1100	619	773	836	561	767	678	750	836	526	268
70th	1010	1130	783	1220	672	882	888	645	859	846	879	947	556	269
80th	1160	1320	925	1340	729	1020	1000	806	940	1060	917	997	615	296
85th	1300	1420	1000	1500	791	1120	1180	984	982	1240	1030	1080	732	487
90th	1460	1650	1120	1700	862	1300	1270	1150	1040	1480	1260	1180	826	487
95th	1860	2180	1350	2220	1340	1620	1560	1700	1260	2610	2770	2020	826	1920
98th	2770	3210	1800	3450	1860	1990	1650	2630	2370	3810	2770	2020	1070	1920
99th	3820	4180	2330	4560	2220	2650	1810	2630	7730	4500	4080	2170	1070	1920
Maximum	8790	8290	8790	6440	5770	4760	7780	7160	7730	4500	4080	2170	1070	1920

Manganese (Mn)
Stream Sediment

number of values : 2846
units : ppm
detection limit : 1
analytical method : ICPMS

Manganese by ICPMS

Summary Statistics



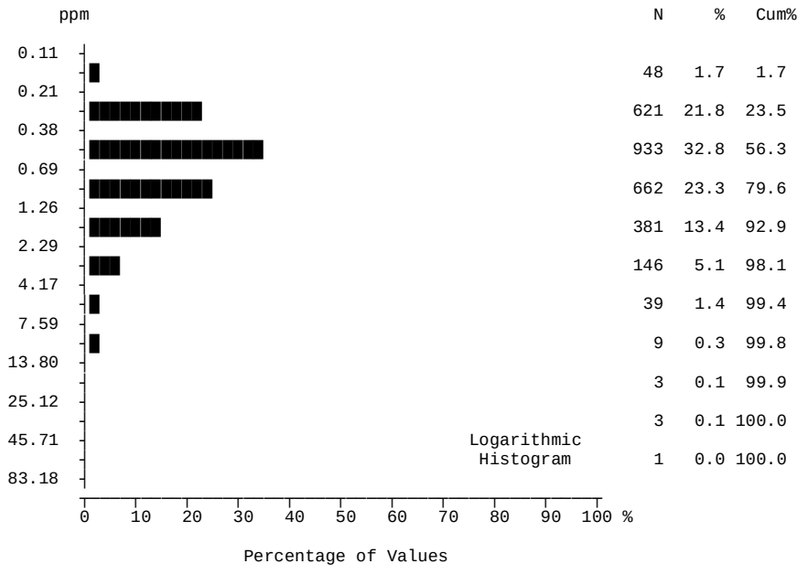
	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	244.3	246.8	148.1	467.1	252.0	216.0	289.6	41.8	270.3	55.6	129.9	396.9	177.7	41.2
Median	71.0	75.0	58.0	101.0	89.0	65.0	62.0	37.0	66.0	45.0	80.0	67.0	49.0	36.0
Mode	51.0	36.0	56.0	46.0	46.0	51.0	48.0	29.0	50.0	23.0	75.0	77.0	32.0	24.0
Range	41390	41390	17589	36275	10779	8070	17729	122	8717	140	577	5153	1790	65
St Dev	1492.87	1642.40	878.80	2308.84	1029.81	829.34	1917.31	25.10	1293.46	35.18	122.42	1066.07	454.55	19.10
Coef Var	6.110	6.654	5.936	4.943	4.087	3.839	6.621	0.600	4.785	0.632	0.942	2.686	2.557	0.463
Log Mean	1.912	1.928	1.817	2.101	1.993	1.899	1.854	1.560	1.888	1.671	1.988	2.005	1.818	1.582
Geo Mean	81.6	84.6	65.6	126.1	98.5	79.3	71.4	36.3	77.3	46.9	97.2	101.1	65.7	38.2
Log StDv	0.405	0.393	0.342	0.487	0.381	0.417	0.373	0.226	0.369	0.251	0.317	0.571	0.463	0.169
Log CVar	0.212	0.204	0.188	0.232	0.191	0.219	0.201	0.145	0.196	0.150	0.159	0.285	0.255	0.107
Percntls														
Minimum	10	10	11	25	21	20	21	12	33	19	33	27	25	24
10th	33	35	30	44	45	32	32	20	42	23	42	33	28	24
20th	42	44	38	56	52	41	40	24	46	27	51	41	32	24
30th	51	53	45	69	61	49	47	27	50	30	60	47	33	32
40th	59	63	52	82	73	56	53	30	57	38	72	55	39	32
50th	71	75	58	101	89	65	62	37	66	45	80	67	49	36
60th	84	90	68	122	101	74	73	38	74	50	103	77	63	37
70th	103	106	80	150	123	94	92	44	86	56	114	92	80	41
80th	133	136	103	208	143	126	115	54	98	81	179	147	88	42
85th	159	163	117	274	167	174	125	69	105	98	211	384	102	55
90th	208	220	148	484	200	210	160	73	161	111	226	404	170	55
95th	386	362	231	1485	338	352	250	98	201	127	344	2370	170	89
98th	1545	1360	483	4010	1520	1060	271	124	204	133	344	2370	1815	89
99th	3930	3230	1065	6360	6360	3490	332	124	8750	159	610	5180	1815	89
Maximum	41400	41400	17600	36300	10800	8090	17750	134	8750	159	610	5180	1815	89

Mercury (Hg)
Stream Sediment

number of values : 2846
units : ppb
detection limit : 5
analytical method : ICPMS

Mercury by ICPMS

Summary Statistics



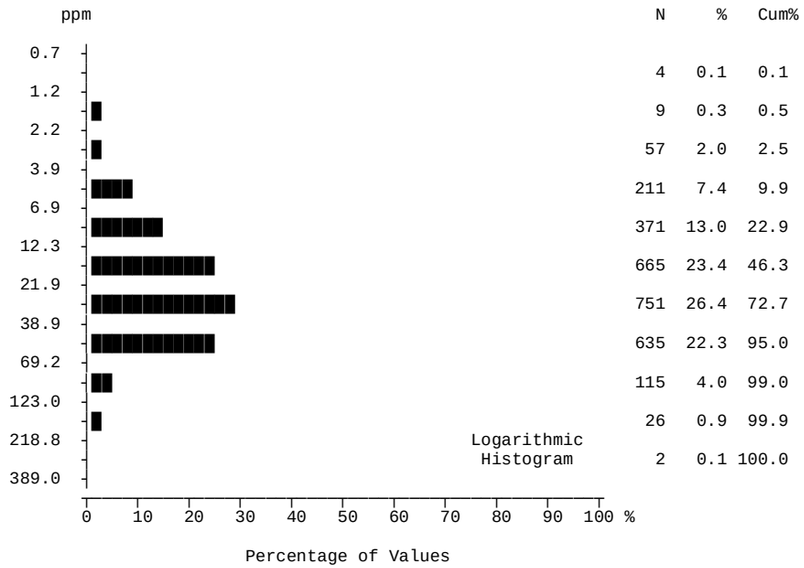
	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	1.00	0.78	1.28	1.32	1.25	0.99	0.83	0.48	0.89	0.27	0.78	0.63	0.47	1.20
Median	0.62	0.47	0.85	0.87	0.67	0.40	0.53	0.45	0.64	0.26	0.67	0.57	0.32	0.97
Mode	0.36	0.36	0.47	0.64	0.25	0.36	0.19	0.46	0.63	0.17	0.26	0.19	0.42	0.34
Range	47.67	11.94	33.56	28.15	47.67	22.62	7.08	2.20	3.79	0.33	2.28	1.20	1.91	2.11
St Dev	1.76	0.87	1.80	1.89	3.87	2.95	1.12	0.27	0.79	0.07	0.58	0.31	0.48	0.63
Coef Var	1.754	1.109	1.406	1.428	3.102	2.975	1.349	0.564	0.894	0.268	0.745	0.485	1.012	0.525
Log Mean	-0.161	-0.235	-0.036	-0.004	-0.166	-0.311	-0.241	-0.355	-0.154	-0.578	-0.209	-0.244	-0.431	0.019
Geo Mean	0.69	0.58	0.92	0.99	0.68	0.49	0.57	0.44	0.70	0.26	0.62	0.57	0.37	1.05
Log StDv	0.327	0.298	0.323	0.280	0.364	0.345	0.327	0.149	0.274	0.111	0.303	0.205	0.273	0.254
Log CVar	-2.031	-1.267	-8.981	-70.109	-2.195	-1.113	-1.361	-0.420	-1.779	-0.193	-1.458	-0.842	-0.634	13.347
Percntls														
Minimum	0.13	0.16	0.14	0.25	0.13	0.18	0.19	0.23	0.29	0.17	0.20	0.19	0.17	0.34
10th	0.30	0.30	0.40	0.49	0.25	0.27	0.24	0.30	0.33	0.18	0.25	0.36	0.21	0.34
20th	0.36	0.34	0.49	0.59	0.35	0.30	0.30	0.33	0.39	0.21	0.29	0.42	0.24	0.64
30th	0.43	0.37	0.59	0.66	0.42	0.32	0.38	0.37	0.49	0.23	0.39	0.48	0.26	0.71
40th	0.50	0.41	0.73	0.74	0.55	0.36	0.41	0.42	0.61	0.24	0.47	0.51	0.27	0.78
50th	0.62	0.47	0.85	0.87	0.67	0.40	0.53	0.45	0.64	0.26	0.67	0.57	0.32	0.97
60th	0.75	0.55	1.06	1.03	0.76	0.45	0.64	0.46	0.70	0.29	0.71	0.61	0.35	1.36
70th	0.95	0.74	1.26	1.33	0.95	0.51	0.80	0.49	0.82	0.30	0.84	0.64	0.42	1.51
80th	1.28	1.00	1.64	1.59	1.17	0.68	0.94	0.54	0.96	0.32	1.03	0.68	0.43	1.59
85th	1.52	1.24	2.00	1.79	1.42	0.77	1.01	0.55	1.43	0.34	1.18	0.77	0.47	1.67
90th	1.89	1.61	2.44	2.18	1.67	0.96	1.32	0.63	1.69	0.35	1.64	1.10	0.94	1.67
95th	2.67	2.34	3.36	3.33	2.61	1.99	1.84	0.73	1.95	0.38	2.17	1.35	0.94	2.45
98th	4.11	3.56	4.47	4.58	4.51	4.13	4.57	0.74	3.82	0.47	2.17	1.35	2.08	2.45
99th	5.74	4.35	5.76	7.34	7.52	21.10	6.26	0.74	4.08	0.50	2.48	1.39	2.08	2.45
Maximum	47.80	12.10	33.70	28.40	47.80	22.80	7.27	2.43	4.08	0.50	2.48	1.39	2.08	2.45

Molybdenum (Mo)
Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.01
analytical method : ICPMS

Molybdenum by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	29.89	42.99	16.44	21.83	18.92	27.21	36.78	31.82	34.29	27.87	21.00	17.64	22.69	7.96
Median	23.80	39.60	11.60	18.40	14.60	24.40	31.70	27.60	27.30	24.20	20.40	16.80	19.70	5.70
Mode	21.00	33.80	5.30	13.90	5.70	21.00	22.40	20.60	16.50	24.20	6.30	11.50	13.80	4.90
Range	353.9	353.7	133.4	157.6	236.0	104.2	112.4	167.1	152.0	90.4	42.8	37.0	36.9	18.0
St Dev	24.72	28.12	14.39	15.25	22.05	13.65	20.96	21.43	26.41	14.36	10.34	7.49	9.58	5.79
Coef Var	0.827	0.654	0.875	0.699	1.165	0.502	0.570	0.673	0.770	0.515	0.492	0.424	0.422	0.727
Log Mean	1.344	1.548	1.073	1.265	1.141	1.388	1.502	1.448	1.448	1.411	1.268	1.217	1.329	0.821
Geo Mean	22.08	35.30	11.83	18.40	13.84	24.41	31.80	28.06	28.06	25.76	18.52	16.47	21.32	6.63
Log StDv	0.357	0.292	0.359	0.251	0.330	0.204	0.239	0.206	0.269	0.160	0.230	0.157	0.149	0.261
Log CVar	0.266	0.189	0.335	0.198	0.289	0.147	0.159	0.142	0.186	0.113	0.181	0.129	0.112	0.318
Percntls														
Minimum	1.1	1.3	1.1	1.9	2.0	7.8	7.6	7.9	7.5	13.1	6.3	8.8	13.8	2.7
10th	7.0	14.3	4.1	9.3	5.0	12.8	16.9	16.3	15.1	17.0	8.2	11.2	14.9	2.7
20th	11.2	21.6	5.6	11.6	6.8	16.1	20.6	20.6	16.8	19.8	11.0	11.5	15.4	4.9
30th	15.1	27.9	7.6	13.6	8.9	19.6	23.2	22.0	20.2	20.7	14.5	12.4	18.0	4.9
40th	19.5	33.8	9.5	16.1	12.5	21.8	28.4	25.9	23.2	22.9	19.8	14.9	18.5	5.0
50th	23.8	39.6	11.6	18.4	14.6	24.4	31.7	27.6	27.3	24.2	20.4	16.8	19.7	5.7
60th	29.3	45.4	14.6	21.3	18.0	27.7	36.6	29.9	30.9	25.6	21.8	17.3	21.7	5.8
70th	36.7	51.5	18.6	24.1	20.0	31.9	42.6	32.9	36.9	28.8	24.4	18.8	22.4	5.8
80th	45.5	58.2	24.6	29.4	25.0	36.5	48.9	39.2	41.6	33.6	26.7	20.8	24.1	7.8
85th	50.9	62.4	28.8	32.8	27.7	38.0	54.2	41.6	46.6	34.8	29.2	23.5	25.8	16.3
90th	57.5	69.4	35.9	37.1	33.6	42.3	64.8	46.9	62.5	36.9	31.0	23.7	36.9	16.3
95th	69.3	87.1	45.6	47.1	45.4	49.8	69.9	53.6	79.1	47.4	40.9	28.9	36.9	20.7
98th	90.2	122.0	54.6	56.4	61.2	55.3	82.5	79.9	89.6	47.4	40.9	28.9	50.7	20.7
99th	122.0	156.5	61.0	60.5	75.6	57.2	116.5	79.9	159.5	103.5	49.1	45.8	50.7	20.7
Maximum	355.0	355.0	134.5	159.5	238.0	112.0	120.0	175.0	159.5	103.5	49.1	45.8	50.7	20.7

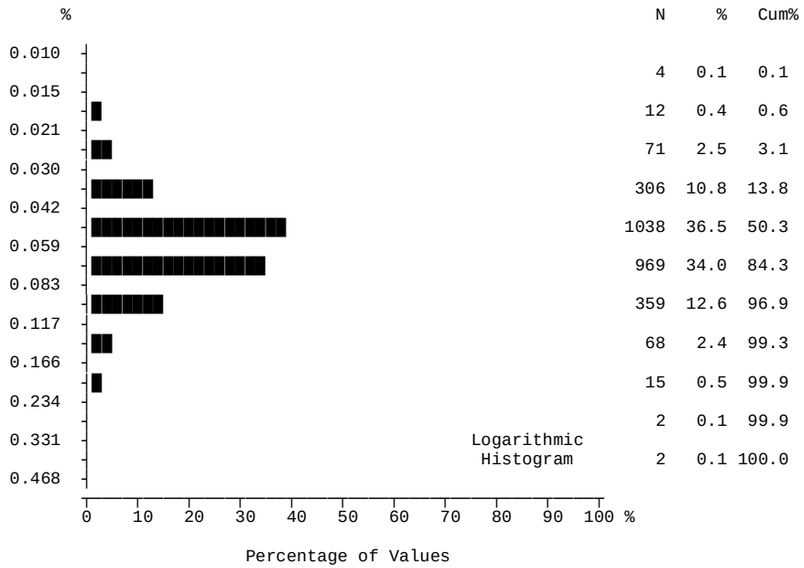
Nickel (Ni)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.1
analytical method : ICPMS

Nickel by ICPMS

Summary Statistics



	N	%	Cum%
	4	0.1	0.1
	12	0.4	0.6
	71	2.5	3.1
	306	10.8	13.8
	1038	36.5	50.3
	969	34.0	84.3
	359	12.6	96.9
	68	2.4	99.3
	15	0.5	99.9
	2	0.1	99.9
	2	0.1	100.0

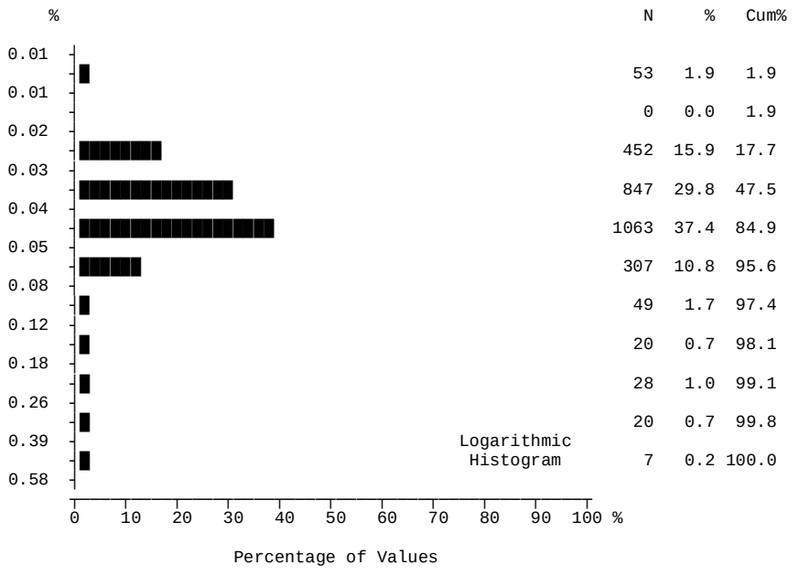
	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.06	0.06	0.06	0.08	0.06	0.05	0.08	0.06	0.06	0.04	0.06	0.05	0.05	0.06
Median	0.06	0.06	0.06	0.07	0.06	0.05	0.08	0.06	0.06	0.04	0.06	0.05	0.04	0.06
Mode	0.05	0.05	0.05	0.05	0.06	0.04	0.09	0.05	0.05	0.04	0.06	0.05	0.04	0.02
Range	0.350	0.314	0.350	0.262	0.226	0.106	0.167	0.083	0.078	0.071	0.049	0.056	0.045	0.073
St Dev	0.03	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.03
Coef Var	0.408	0.407	0.425	0.350	0.405	0.377	0.357	0.295	0.284	0.307	0.213	0.246	0.225	0.438
Log Mean	-1.228	-1.239	-1.241	-1.134	-1.244	-1.296	-1.116	-1.276	-1.229	-1.375	-1.215	-1.278	-1.353	-1.283
Geo Mean	0.06	0.06	0.06	0.07	0.06	0.05	0.08	0.05	0.06	0.04	0.06	0.05	0.04	0.05
Log StDv	0.159	0.148	0.169	0.137	0.158	0.149	0.138	0.163	0.122	0.114	0.097	0.112	0.086	0.228
Log CVar	-0.129	-0.119	-0.136	-0.121	-0.127	-0.115	-0.124	-0.128	-0.990	-0.083	-0.080	-0.088	-0.064	-0.178
Percntls														
Minimum	0.012	0.019	0.012	0.026	0.019	0.023	0.038	0.012	0.029	0.027	0.040	0.027	0.032	0.020
10th	0.039	0.040	0.037	0.050	0.035	0.034	0.052	0.034	0.042	0.031	0.041	0.038	0.034	0.020
20th	0.045	0.045	0.044	0.058	0.044	0.037	0.057	0.045	0.046	0.036	0.051	0.043	0.041	0.026
30th	0.050	0.049	0.049	0.063	0.050	0.042	0.063	0.048	0.054	0.036	0.055	0.046	0.041	0.035
40th	0.054	0.052	0.053	0.067	0.053	0.045	0.070	0.051	0.055	0.038	0.057	0.047	0.042	0.053
50th	0.058	0.056	0.058	0.072	0.058	0.048	0.079	0.058	0.059	0.040	0.064	0.054	0.043	0.055
60th	0.063	0.060	0.063	0.080	0.062	0.052	0.084	0.061	0.064	0.042	0.064	0.058	0.044	0.058
70th	0.070	0.065	0.069	0.086	0.068	0.058	0.088	0.065	0.066	0.045	0.071	0.060	0.047	0.073
80th	0.078	0.073	0.078	0.096	0.074	0.066	0.094	0.069	0.072	0.050	0.075	0.066	0.049	0.082
85th	0.085	0.078	0.083	0.102	0.079	0.072	0.096	0.071	0.075	0.054	0.077	0.069	0.050	0.086
90th	0.094	0.089	0.089	0.107	0.086	0.079	0.107	0.073	0.086	0.059	0.077	0.070	0.050	0.086
95th	0.107	0.108	0.104	0.116	0.094	0.096	0.130	0.084	0.100	0.063	0.080	0.075	0.050	0.093
98th	0.130	0.140	0.124	0.136	0.113	0.107	0.147	0.090	0.101	0.080	0.080	0.075	0.077	0.093
99th	0.152	0.153	0.146	0.173	0.144	0.123	0.201	0.090	0.107	0.098	0.089	0.083	0.077	0.093
Maximum	0.362	0.333	0.362	0.288	0.245	0.129	0.205	0.095	0.107	0.098	0.089	0.083	0.077	0.093

Phosphorus (P)
Stream Sediment

number of values : 2846
units : %
detection limit : 0.001
analytical method : ICPMS

Phosphorus by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2793	1074	651	389	201	125	85	69	45	43	28	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.04	0.03	0.04	0.05	0.04	0.04	0.05	0.18	0.04	0.04	0.03	0.04	0.05	0.04
Median	0.04	0.03	0.04	0.05	0.04	0.04	0.04	0.19	0.04	0.03	0.03	0.05	0.05	0.03
Mode	0.03	0.03	0.03	0.04	0.03	0.04	0.04	0.04	0.03	0.03	0.02	0.05	0.04	0.03
Range	0.54	0.14	0.32	0.38	0.18	0.07	0.17	0.53	0.07	0.22	0.05	0.06	0.03	0.04
St Dev	0.04	0.02	0.02	0.04	0.02	0.01	0.03	0.14	0.02	0.03	0.01	0.01	0.01	0.01
Coef Var	0.906	0.497	0.575	0.727	0.567	0.329	0.646	0.799	0.383	0.803	0.394	0.332	0.239	0.351
Log Mean	-1.431	-1.513	-1.430	-1.321	-1.425	-1.416	-1.341	-0.932	-1.408	-1.429	-1.511	-1.378	-1.331	-1.468
Geo Mean	0.04	0.03	0.04	0.05	0.04	0.04	0.05	0.12	0.04	0.04	0.03	0.04	0.05	0.03
Log StDv	0.222	0.192	0.172	0.204	0.185	0.155	0.226	0.443	0.158	0.208	0.184	0.158	0.110	0.156
Log CVar	-0.155	-0.127	-0.120	-0.155	-0.130	-0.109	-0.168	-0.476	-0.112	-0.145	-0.122	-0.115	-0.083	-0.106
Percntls														
Minimum	0.01	0.01	0.01	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.01	0.02	0.03	0.02
10th	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.03	0.02
20th	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.02	0.03	0.04	0.02
30th	0.03	0.03	0.03	0.04	0.03	0.03	0.04	0.04	0.03	0.03	0.02	0.04	0.04	0.03
40th	0.03	0.03	0.03	0.04	0.03	0.04	0.04	0.06	0.03	0.03	0.03	0.04	0.04	0.03
50th	0.04	0.03	0.04	0.05	0.04	0.04	0.04	0.19	0.04	0.03	0.03	0.05	0.05	0.03
60th	0.04	0.03	0.04	0.05	0.04	0.04	0.05	0.21	0.04	0.04	0.03	0.05	0.05	0.04
70th	0.04	0.04	0.04	0.06	0.04	0.05	0.06	0.27	0.05	0.04	0.04	0.05	0.06	0.04
80th	0.05	0.04	0.05	0.06	0.05	0.05	0.06	0.32	0.05	0.05	0.04	0.05	0.06	0.04
85th	0.06	0.05	0.05	0.07	0.05	0.05	0.07	0.34	0.05	0.05	0.05	0.06	0.06	0.05
90th	0.06	0.05	0.06	0.08	0.06	0.06	0.09	0.35	0.06	0.06	0.05	0.06	0.06	0.05
95th	0.08	0.06	0.07	0.11	0.08	0.06	0.12	0.44	0.08	0.08	0.06	0.07	0.06	0.06
98th	0.16	0.08	0.08	0.21	0.11	0.07	0.17	0.45	0.08	0.09	0.06	0.07	0.06	0.06
99th	0.26	0.10	0.11	0.26	0.13	0.07	0.18	0.45	0.09	0.24	0.06	0.08	0.06	0.06
Maximum	0.55	0.15	0.33	0.40	0.20	0.08	0.19	0.55	0.09	0.24	0.06	0.08	0.06	0.06

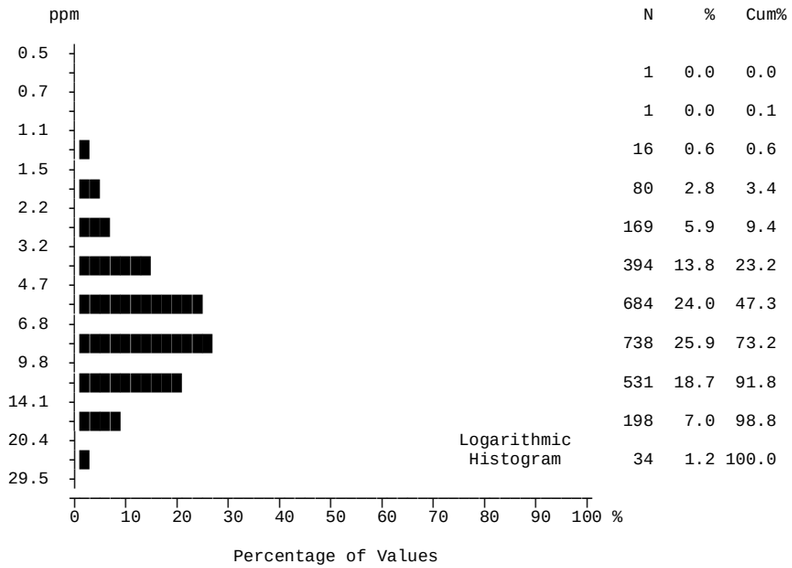
Potassium (K)

Stream Sediment

number of values : 2846
units : %
detection limit : 0.01
analytical method : ICPMS

Potassium by ICPMS

Summary Statistics



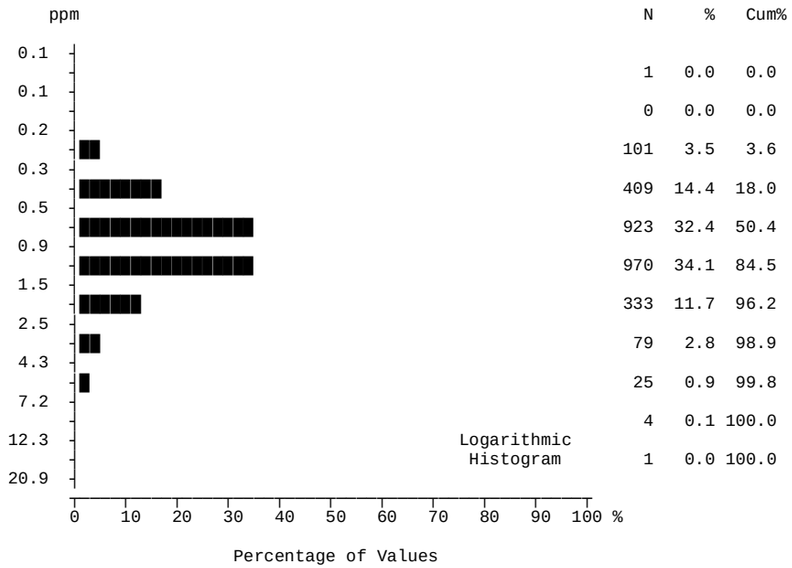
	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	7.80	9.86	5.40	8.55	5.54	7.77	7.90	5.08	6.67	5.96	5.59	7.27	5.64	2.36
Median	7.00	9.30	4.80	8.30	5.30	6.80	7.40	4.90	6.10	5.80	5.50	7.30	4.50	2.00
Mode	5.30	9.90	3.80	7.50	5.30	7.90	5.30	4.70	5.00	6.30	3.30	5.90	4.20	2.00
Range	24.8	24.2	19.2	17.9	13.3	19.4	20.1	8.5	11.9	9.1	8.4	9.8	11.0	5.4
St Dev	4.12	4.66	2.79	2.71	2.13	3.80	3.14	1.61	2.42	1.87	1.75	2.14	2.94	1.51
Coef Var	0.527	0.473	0.518	0.317	0.384	0.489	0.397	0.317	0.363	0.314	0.313	0.294	0.521	0.641
Log Mean	0.831	0.940	0.676	0.908	0.711	0.843	0.865	0.685	0.797	0.755	0.729	0.844	0.709	0.318
Geo Mean	6.78	8.71	4.74	8.09	5.14	6.97	7.34	4.84	6.26	5.69	5.36	6.98	5.12	2.08
Log StDv	0.238	0.228	0.226	0.154	0.173	0.201	0.171	0.136	0.160	0.134	0.126	0.129	0.186	0.214
Log CVar	0.286	0.243	0.334	0.169	0.243	0.238	0.197	0.199	0.201	0.178	0.173	0.153	0.263	0.674
Percntls														
Minimum	0.7	1.3	0.7	1.4	1.7	2.4	2.2	1.9	1.7	3.1	3.3	3.6	3.0	1.0
10th	3.3	4.2	2.3	5.3	3.1	3.9	4.8	3.3	4.1	3.7	3.7	4.2	3.4	1.0
20th	4.3	5.8	3.0	6.4	3.8	4.5	5.3	3.7	5.0	4.1	4.1	5.9	3.5	1.4
30th	5.2	6.9	3.8	7.1	4.4	5.0	5.7	4.1	5.1	4.7	4.4	6.4	4.1	1.7
40th	6.0	8.1	4.3	7.8	4.9	5.8	6.6	4.7	5.8	5.3	4.8	6.8	4.2	1.7
50th	7.0	9.3	4.8	8.3	5.3	6.8	7.4	4.9	6.1	5.8	5.5	7.3	4.5	2.0
60th	8.1	10.4	5.4	9.0	5.7	7.9	8.1	5.3	6.7	6.3	5.9	7.4	4.6	2.0
70th	9.3	11.9	6.2	9.9	6.4	8.9	9.0	5.5	7.4	6.5	6.0	7.8	5.9	2.0
80th	10.8	13.6	7.4	10.8	6.9	10.7	10.8	6.3	7.9	7.3	6.6	8.0	7.6	2.7
85th	11.9	14.9	8.3	11.2	7.6	11.9	11.5	6.5	8.4	7.9	7.3	8.4	8.2	2.7
90th	13.4	16.3	9.0	11.8	8.5	12.7	11.7	6.8	10.7	8.1	7.3	8.9	8.9	2.7
95th	15.9	19.0	10.8	13.0	9.3	15.8	12.8	7.4	12.2	8.7	7.6	11.2	8.9	6.4
98th	19.2	21.0	12.9	15.2	10.5	16.4	12.9	10.3	12.4	9.2	7.6	11.2	14.0	6.4
99th	20.7	22.1	14.1	16.0	11.5	19.1	13.5	10.3	13.6	12.2	11.7	13.4	14.0	6.4
Maximum	25.5	25.5	19.9	19.3	15.0	21.8	22.3	10.4	13.6	12.2	11.7	13.4	14.0	6.4

Scandium (Sc)
Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.1
analytical method : ICPMS

Scandium by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2845	1121	654	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	1.04	1.17	0.83	1.27	0.98	0.88	0.97	0.64	1.08	0.82	1.02	0.79	0.86	0.74
Median	0.80	1.00	0.70	1.00	0.70	0.60	0.90	0.60	0.90	0.70	0.80	0.80	0.60	0.50
Mode	0.60	0.90	0.60	1.00	0.60	0.50	0.60	0.60	0.70	0.60	0.70	0.80	0.50	0.40
Range	19.3	11.5	6.4	10.0	6.5	19.1	3.2	1.5	2.6	1.6	2.0	1.0	3.4	2.9
St Dev	0.86	0.81	0.63	1.08	0.79	1.72	0.48	0.29	0.55	0.35	0.56	0.25	0.85	0.84
Coef Var	0.827	0.693	0.758	0.850	0.807	1.950	0.489	0.450	0.509	0.428	0.551	0.319	0.991	1.136
Log Mean	-0.059	0.005	-0.158	0.026	-0.089	-0.176	-0.050	-0.232	-0.015	-0.124	-0.046	-0.128	-0.162	-0.260
Geo Mean	0.87	1.01	0.70	1.06	0.81	0.67	0.89	0.59	0.97	0.75	0.90	0.74	0.69	0.55
Log StDv	0.241	0.221	0.240	0.233	0.242	0.242	0.178	0.178	0.202	0.179	0.220	0.158	0.253	0.304
Log CVar	-4.147	44.105	-1.528	8.976	-2.722	-1.383	-3.563	-0.770	-13.490	-1.444	-4.898	-1.247	-1.570	-1.169
Percntls														
Minimum	0.1	0.2	0.1	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.3	0.4	0.2
10th	0.5	0.6	0.4	0.6	0.4	0.4	0.5	0.3	0.6	0.4	0.5	0.5	0.4	0.2
20th	0.6	0.7	0.4	0.7	0.5	0.4	0.6	0.4	0.7	0.5	0.6	0.6	0.5	0.4
30th	0.7	0.8	0.5	0.8	0.6	0.5	0.7	0.5	0.7	0.6	0.7	0.6	0.5	0.4
40th	0.7	0.9	0.6	0.9	0.7	0.6	0.8	0.5	0.7	0.7	0.7	0.7	0.5	0.4
50th	0.8	1.0	0.7	1.0	0.7	0.6	0.9	0.6	0.9	0.7	0.8	0.8	0.6	0.5
60th	1.0	1.1	0.7	1.1	0.8	0.7	1.0	0.6	1.0	0.8	0.9	0.8	0.6	0.5
70th	1.1	1.2	0.9	1.2	1.0	0.8	1.1	0.7	1.3	0.9	1.1	0.9	0.8	0.6
80th	1.3	1.5	1.1	1.4	1.2	0.9	1.2	0.8	1.5	1.0	1.4	1.0	0.8	0.6
85th	1.5	1.7	1.2	1.6	1.4	1.1	1.4	0.9	1.5	1.1	1.6	1.0	1.1	0.7
90th	1.7	1.9	1.4	2.0	1.7	1.2	1.5	1.0	1.7	1.3	1.8	1.1	1.3	0.7
95th	2.3	2.5	1.8	3.3	2.2	1.5	1.6	1.2	2.2	1.5	2.3	1.2	1.3	3.1
98th	3.3	3.3	2.5	5.1	3.3	2.0	1.7	1.5	2.4	1.6	2.3	1.2	3.8	3.1
99th	4.4	4.4	3.3	6.7	4.9	3.3	2.6	1.5	2.9	1.9	2.4	1.3	3.8	3.1
Maximum	19.4	11.7	6.5	10.3	6.8	19.4	3.6	1.8	2.9	1.9	2.4	1.3	3.8	3.1

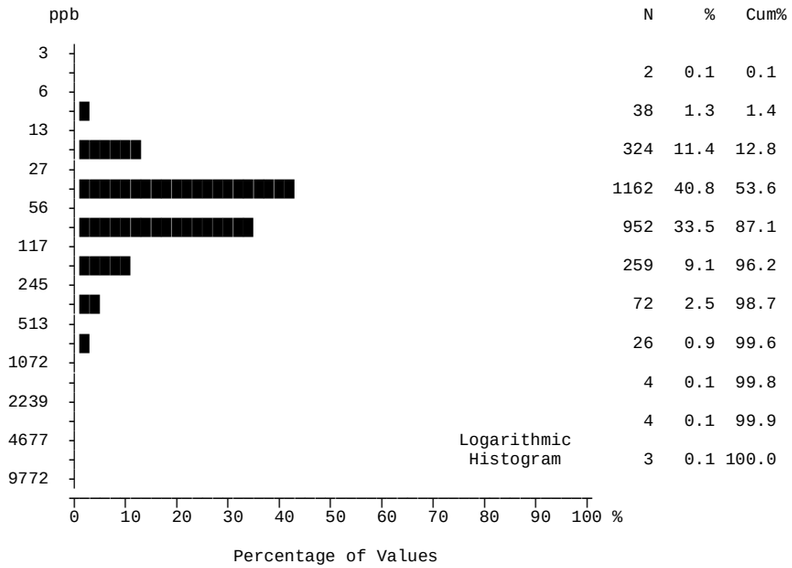
Selenium (Se)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.1
analytical method : ICPMS

Selenium by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	89.2	99.4	61.7	103.8	97.7	77.0	180.0	47.9	113.9	42.2	54.5	36.5	57.3	36.1
Median	53.0	61.0	42.0	60.0	36.0	52.0	77.0	38.0	85.0	37.0	47.0	37.0	33.0	23.0
Mode	35.0	51.0	25.0	56.0	25.0	41.0	49.0	20.0	85.0	28.0	35.0	42.0	29.0	11.0
Range	9634	6253	1064	2835	9632	648	7373	227	765	140	123	62	321	101
St Dev	295.56	251.55	81.88	249.37	678.98	90.24	794.81	35.20	116.02	26.27	30.05	13.28	79.59	32.50
Coef Var	3.312	2.532	1.328	2.403	6.953	1.172	4.415	0.735	1.018	0.622	0.552	0.364	1.390	0.900
Log Mean	1.751	1.820	1.648	1.811	1.595	1.757	1.927	1.601	1.962	1.561	1.677	1.531	1.602	1.435
Geo Mean	56.4	66.1	44.4	64.7	39.4	57.2	84.6	39.9	91.7	36.4	47.6	33.9	40.0	27.2
Log StDv	0.328	0.315	0.317	0.323	0.327	0.297	0.318	0.255	0.255	0.236	0.233	0.180	0.304	0.325
Log CVar	0.187	0.173	0.192	0.179	0.205	0.169	0.165	0.159	0.130	0.151	0.139	0.118	0.190	0.227
Percntls														
Minimum	6	7	6	15	8	11	27	10	29	8	13	11	17	11
10th	24	31	18	28	19	27	43	20	45	19	27	17	26	11
20th	32	38	25	36	24	33	49	25	57	25	31	24	28	13
30th	38	47	31	45	27	41	63	30	72	28	37	30	29	16
40th	46	52	35	53	30	47	70	34	82	31	42	35	31	17
50th	53	61	42	60	36	52	77	38	85	37	47	37	33	23
60th	63	71	50	70	42	59	84	44	88	39	49	38	34	25
70th	74	83	60	82	52	69	95	51	102	42	52	42	37	34
80th	93	105	75	104	61	80	122	58	130	49	74	45	40	35
85th	109	123	85	117	68	108	147	65	160	58	84	46	59	75
90th	134	155	112	138	79	135	188	91	181	88	88	50	91	75
95th	211	242	158	246	124	171	239	105	242	91	131	54	91	112
98th	351	460	247	355	209	303	278	150	269	97	131	54	338	112
99th	579	670	387	957	427	629	371	150	794	148	136	73	338	112
Maximum	9640	6260	1070	2850	9640	659	7400	237	794	148	136	73	338	112

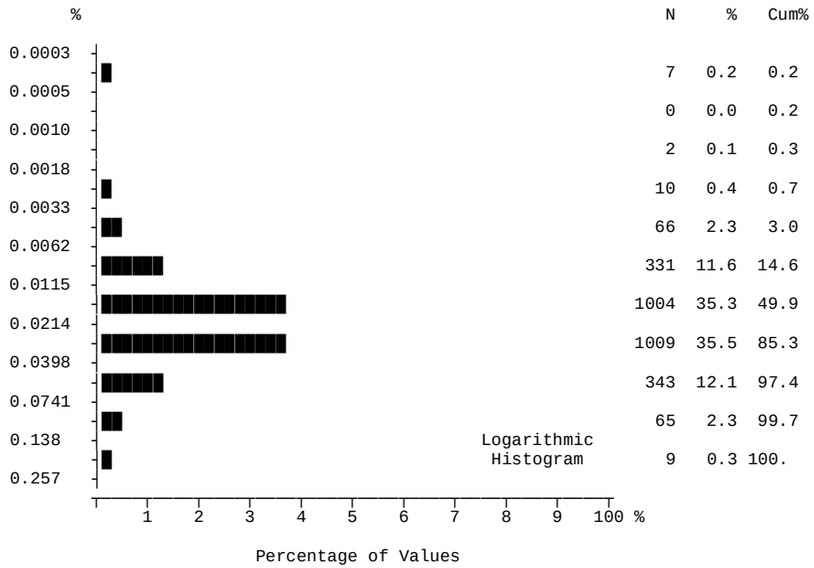
Silver (Ag)

Stream Sediment

number of values : 2846
units : ppb
detection limit : 2
analytical method : ICPMS

Silver by ICPMS

Summary Statistics



	N	%	Cum%
0.0003	7	0.2	0.2
0.0005	0	0.0	0.2
0.0010	2	0.1	0.3
0.0018	10	0.4	0.7
0.0033	66	2.3	3.0
0.0062	331	11.6	14.6
0.0115	1004	35.3	49.9
0.0214	1009	35.5	85.3
0.0398	343	12.1	97.4
0.0741	65	2.3	99.7
0.138	9	0.3	100.
0.257			

	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2837	1119	655	388	201	126	85	65	44	42	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.03	0.03	0.02	0.03	0.03	0.02	0.01	0.02	0.02	0.02	0.02	0.03	0.06	0.02
Median	0.02	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.02
Mode	0.01	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.08	0.01
Range	0.2565	0.2145	0.1540	0.2560	0.0910	0.0490	0.0360	0.2225	0.0955	0.1725	0.0320	0.0470	0.1930	0.0390
St Dev	0.02	0.02	0.02	0.03	0.02	0.01	0.01	0.03	0.02	0.03	0.01	0.02	0.05	0.01
Coef Var	0.756	0.614	0.679	0.901	0.647	0.526	0.529	1.757	0.873	1.141	0.455	0.454	0.853	0.570
Log Mean	-1.674	-1.611	-1.716	-1.659	-1.647	-1.784	-1.908	-2.012	-1.781	-1.775	-1.738	-1.523	-1.332	-1.730
Geo Mean	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.03	0.05	0.02
Log StDv	0.282	0.247	0.264	0.283	0.252	0.221	0.242	0.412	0.430	0.359	0.211	0.210	0.335	0.210
Log CVar	-0.169	-0.153	-0.154	-0.171	-0.153	-0.124	-0.127	-0.205	-0.242	-0.203	-0.122	-0.138	-0.251	-0.122
Percntls														
Minimum	0.0005	0.0005	0.002	0.001	0.004	0.004	0.003	0.0005	0.0005	0.0005	0.007	0.013	0.015	0.009
10th	0.010	0.012	0.009	0.011	0.011	0.008	0.006	0.004	0.005	0.008	0.008	0.015	0.019	0.009
20th	0.013	0.016	0.012	0.013	0.014	0.010	0.009	0.007	0.009	0.011	0.011	0.016	0.022	0.014
30th	0.016	0.019	0.014	0.016	0.016	0.013	0.010	0.008	0.011	0.012	0.015	0.022	0.030	0.014
40th	0.018	0.022	0.017	0.018	0.019	0.015	0.011	0.010	0.013	0.014	0.018	0.023	0.031	0.016
50th	0.022	0.025	0.020	0.020	0.022	0.017	0.013	0.011	0.018	0.015	0.019	0.032	0.037	0.016
60th	0.025	0.028	0.022	0.024	0.026	0.019	0.014	0.012	0.021	0.020	0.020	0.037	0.047	0.017
70th	0.029	0.032	0.026	0.028	0.029	0.022	0.016	0.014	0.026	0.023	0.022	0.039	0.082	0.017
80th	0.035	0.038	0.031	0.035	0.037	0.025	0.019	0.017	0.036	0.025	0.026	0.051	0.082	0.022
85th	0.039	0.042	0.035	0.042	0.042	0.026	0.020	0.019	0.047	0.028	0.033	0.053	0.095	0.036
90th	0.046	0.048	0.039	0.050	0.048	0.029	0.027	0.023	0.050	0.038	0.033	0.054	0.134	0.036
95th	0.057	0.059	0.049	0.072	0.061	0.044	0.030	0.027	0.073	0.056	0.039	0.059	0.134	0.048
98th	0.084	0.079	0.064	0.101	0.084	0.047	0.031	0.036	0.075	0.058	0.039	0.059	0.208	0.048
99th	0.101	0.093	0.081	0.128	0.088	0.049	0.032	0.036	0.096	0.173	0.039	0.060	0.208	0.048
Maximum	0.257	0.215	0.156	0.257	0.095	0.053	0.039	0.223	0.096	0.173	0.039	0.060	0.208	0.048

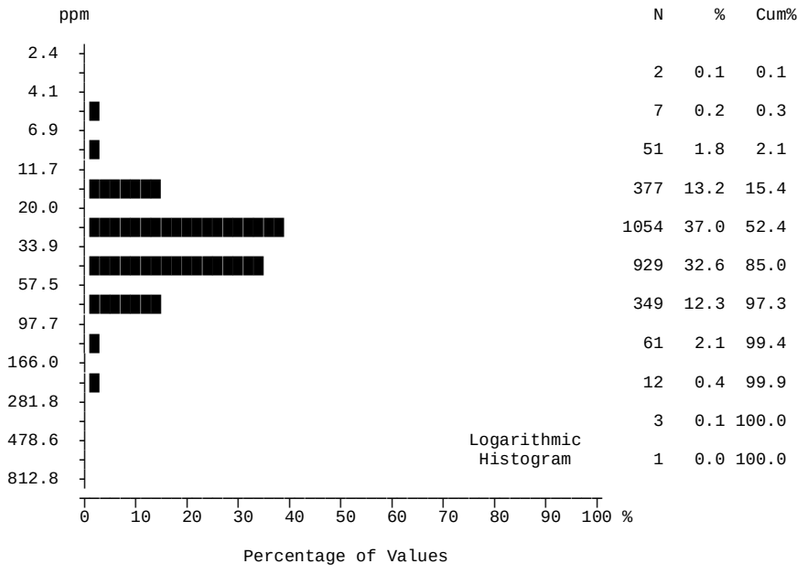
Sodium (Na)

Stream Sediment

number of values : 2846
units : %
detection limit : 0.001
analytical method : ICPMS

Sodium by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	39.16	42.76	36.81	39.58	42.47	31.21	36.97	21.28	30.37	21.78	30.99	60.50	42.71	27.44
Median	33.00	34.70	33.10	31.90	36.00	28.60	33.50	18.70	27.10	18.10	29.40	53.90	33.80	24.00
Mode	27.10	35.10	27.10	25.70	37.30	35.90	20.10	11.70	20.10	15.10	20.80	15.00	15.40	13.00
Range	672.4	668.9	104.7	217.1	146.8	99.3	72.0	57.3	69.6	88.3	39.8	165.0	74.7	48.2
St Dev	28.53	36.25	18.72	26.69	21.89	15.80	15.79	12.72	14.41	14.73	9.40	44.39	23.75	13.41
Coef Var	0.728	0.848	0.509	0.674	0.515	0.506	0.427	0.598	0.475	0.676	0.303	0.734	0.556	0.489
Log Mean	1.526	1.562	1.513	1.521	1.577	1.450	1.531	1.247	1.444	1.286	1.473	1.662	1.569	1.401
Geo Mean	33.54	36.46	32.55	33.17	37.75	28.18	33.96	17.65	27.77	19.33	29.69	45.95	37.03	25.18
Log StDv	0.233	0.223	0.218	0.254	0.211	0.193	0.180	0.278	0.179	0.191	0.129	0.337	0.241	0.183
Log CVar	0.153	0.143	0.144	0.167	0.134	0.133	0.118	0.223	0.124	0.148	0.088	0.203	0.154	0.131
Percntls														
Minimum	3.6	7.1	6.8	6.9	8.2	8.2	11.6	3.6	12.6	8.1	16.4	15.0	15.4	13.0
10th	17.5	19.9	16.7	16.1	19.9	16.3	19.9	7.5	17.4	12.3	20.8	17.7	17.7	13.0
20th	21.9	24.7	21.4	20.5	26.1	18.8	22.9	9.8	20.1	14.4	23.3	19.8	22.0	16.6
30th	25.7	28.2	24.6	24.3	28.6	21.7	27.5	11.9	21.7	15.6	24.2	21.9	24.5	21.3
40th	29.2	31.6	28.6	27.7	31.9	25.7	30.7	15.1	23.8	16.0	28.3	30.7	27.5	22.0
50th	33.0	34.7	33.1	31.9	36.0	28.6	33.5	18.7	27.1	18.1	29.4	53.9	33.8	24.0
60th	37.2	38.7	37.7	38.4	42.2	31.4	38.2	20.8	27.9	20.5	30.7	63.9	42.6	24.6
70th	42.5	44.1	42.8	43.5	49.8	35.9	42.5	26.3	32.0	21.2	33.2	84.1	52.6	26.0
80th	50.5	51.9	50.1	52.7	58.9	39.3	46.3	30.3	36.5	23.8	36.1	96.7	63.0	31.3
85th	57.4	59.3	55.8	61.9	61.3	42.1	50.9	35.1	41.2	28.0	41.6	106.5	63.7	34.4
90th	66.6	69.9	61.9	70.0	69.8	44.4	60.8	40.2	48.7	29.0	44.0	111.5	84.8	34.4
95th	82.2	87.0	73.4	89.0	82.6	56.3	67.7	46.0	59.7	38.1	47.4	132.5	84.8	61.2
98th	104.5	126.5	88.1	121.0	103.0	74.8	76.6	49.4	66.6	63.2	47.4	132.5	90.1	61.2
99th	132.0	190.0	95.9	132.0	104.0	101.5	82.1	49.4	82.2	96.4	56.2	180.0	90.1	61.2
Maximum	676.0	676.0	111.5	224.0	155.0	107.5	83.6	60.9	82.2	96.4	56.2	180.0	90.1	61.2

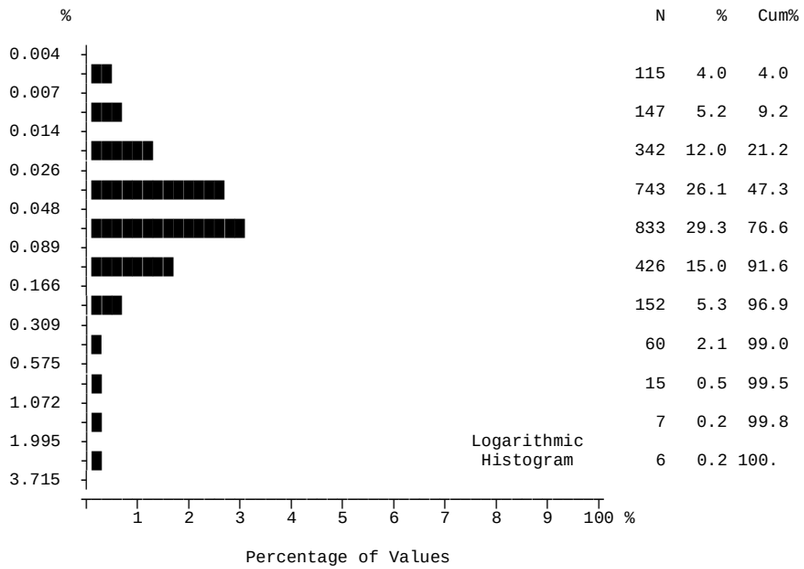
Strontium (Sr)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.2
analytical method : ICPMS

Strontium by ICPMS

Summary Statistics



	N	%	Cum%
0.004	115	4.0	4.0
0.007	147	5.2	9.2
0.014	342	12.0	21.2
0.026	743	26.1	47.3
0.048	833	29.3	76.6
0.089	426	15.0	91.6
0.166	152	5.3	96.9
0.309	60	2.1	99.0
0.575	15	0.5	99.5
1.072	7	0.2	99.8
1.995	6	0.2	100.
3.715			

	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2584	1050	580	367	178	109	81	56	37	35	27	21	15	6
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.08	0.08	0.07	0.13	0.06	0.06	0.07	0.04	0.07	0.04	0.08	0.04	0.06	0.02
Median	0.05	0.05	0.04	0.07	0.04	0.04	0.05	0.03	0.04	0.03	0.07	0.03	0.05	0.02
Mode	0.03	0.04	0.03	0.03	0.03	0.04	0.05	0.02	0.04	0.02	0.02	0.01	0.02	0.01
Range	2.775	2.495	2.145	2.775	0.465	0.635	0.305	0.305	0.535	0.115	0.275	0.135	0.160	0.060
St Dev	0.15	0.15	0.12	0.28	0.06	0.08	0.06	0.04	0.10	0.03	0.06	0.03	0.05	0.02
Coef Var	1.934	1.720	1.856	2.118	1.036	1.310	0.825	1.237	1.503	0.797	0.794	0.799	0.716	0.824
Log Mean	-1.325	-1.277	-1.384	-1.172	-1.403	-1.414	-1.278	-1.593	-1.447	-1.589	-1.268	-1.554	-1.289	-1.747
Geo Mean	0.05	0.05	0.04	0.07	0.04	0.04	0.05	0.03	0.04	0.03	0.05	0.03	0.05	0.02
Log StDv	0.415	0.394	0.396	0.456	0.377	0.420	0.336	0.347	0.478	0.365	0.400	0.454	0.307	0.272
Log CVar	-0.313	-0.309	-0.286	-0.389	-0.268	-0.297	-0.263	-0.218	-0.330	-0.230	-0.316	-0.292	-0.238	-0.156
Percntls														
Minimum	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.02	0.01
10th	0.02	0.02	0.01	0.02	0.01	0.01	0.02	0.01	0.005	0.005	0.02	0.005	0.02	0.01
20th	0.02	0.03	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.005	0.02	0.01
30th	0.03	0.03	0.03	0.04	0.03	0.03	0.04	0.02	0.03	0.02	0.03	0.02	0.03	0.01
40th	0.04	0.04	0.04	0.05	0.03	0.03	0.05	0.02	0.03	0.02	0.05	0.03	0.04	0.01
50th	0.05	0.05	0.04	0.07	0.04	0.04	0.05	0.03	0.04	0.03	0.07	0.03	0.05	0.02
60th	0.06	0.06	0.05	0.08	0.05	0.05	0.06	0.03	0.04	0.03	0.08	0.04	0.06	0.02
70th	0.07	0.08	0.06	0.11	0.06	0.06	0.07	0.04	0.05	0.04	0.09	0.05	0.09	0.02
80th	0.09	0.11	0.08	0.14	0.08	0.07	0.10	0.04	0.06	0.05	0.11	0.06	0.09	0.02
85th	0.11	0.13	0.09	0.17	0.09	0.09	0.11	0.05	0.08	0.06	0.12	0.07	0.10	0.03
90th	0.15	0.17	0.12	0.23	0.11	0.11	0.13	0.06	0.16	0.07	0.13	0.08	0.13	0.03
95th	0.22	0.24	0.16	0.40	0.14	0.17	0.20	0.07	0.29	0.10	0.19	0.11	0.13	0.07
98th	0.37	0.37	0.32	0.74	0.25	0.28	0.24	0.23	0.36	0.11	0.19	0.11	0.18	0.07
99th	0.57	0.55	0.47	1.46	0.30	0.40	0.26	0.23	0.54	0.12	0.28	0.14	0.18	0.07
Maximum	2.78	2.50	2.15	2.78	0.47	0.64	0.31	0.31	0.54	0.12	0.28	0.14	0.18	0.07

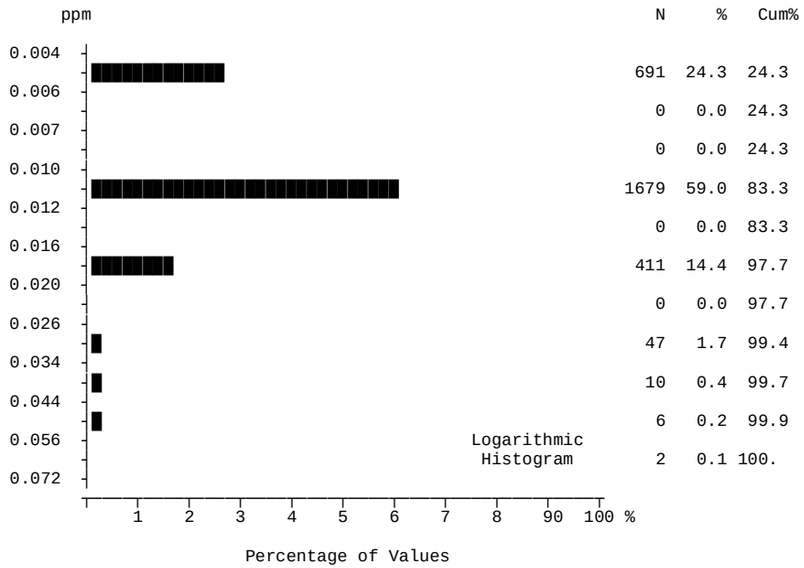
Sulphur (S)

Stream Sediment

number of values : 2846
units : %
detection limit : 0.01
analytical method : ICPMS

Sulphur by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	476	274	126	37	19	6	2	0	3	1	3	1	0	0
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Median	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Mode	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Range	0.065	0.065	0.035	0.035	0.025	0.015	0.015	0.005	0.015	0.015	0.025	0.015	0.005	0.005
St Dev	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Coef Var	0.550	0.550	0.529	0.428	0.508	0.477	0.430	0.348	0.420	0.380	0.569	0.325	0.361	0.351
Log Mean	-2.018	-1.961	-1.994	-2.032	-2.075	-2.153	-2.170	-2.227	-2.080	-2.119	-2.067	-2.056	-2.221	-2.151
Geo Mean	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Log StDv	0.203	0.201	0.202	0.167	0.193	0.178	0.164	0.131	0.175	0.163	0.206	0.146	0.138	0.159
Log CVar	-0.101	-0.103	-0.101	-0.082	-0.093	-0.083	-0.076	-0.059	-0.084	-0.077	-0.100	-0.071	-0.062	-0.074
Percntls														
Minimum	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
10th	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
20th	0.005	0.01	0.01	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
30th	0.01	0.01	0.01	0.01	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01	0.005	0.005
40th	0.01	0.01	0.01	0.01	0.01	0.005	0.005	0.005	0.01	0.005	0.01	0.01	0.005	0.005
50th	0.01	0.01	0.01	0.01	0.01	0.005	0.005	0.005	0.01	0.01	0.01	0.01	0.005	0.005
60th	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.01	0.01	0.005	0.01
70th	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.01	0.01	0.005	0.01
80th	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
85th	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
90th	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
95th	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.01	0.02	0.01	0.01	0.01
98th	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.02	0.01	0.01	0.01
99th	0.03	0.04	0.03	0.02	0.03	0.02	0.02	0.01	0.02	0.02	0.03	0.02	0.01	0.01
Maximum	0.07	0.07	0.04	0.04	0.03	0.02	0.02	0.01	0.02	0.02	0.03	0.02	0.01	0.01

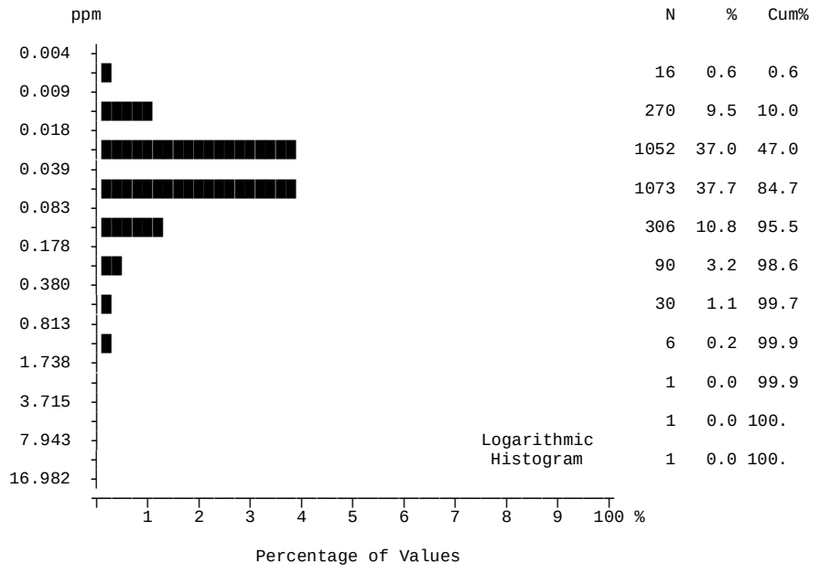
Tantalum (Ta)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.01
analytical method : ICPMS

Tantalum by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2560	962	581	383	195	105	82	68	44	41	29	21	11	8
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.06	0.06	0.05	0.09	0.06	0.09	0.07	0.04	0.07	0.04	0.10	0.03	0.04	0.02
Median	0.04	0.03	0.03	0.05	0.04	0.03	0.06	0.04	0.05	0.03	0.06	0.03	0.03	0.02
Mode	0.02	0.02	0.02	0.05	0.04	0.02	0.03	0.04	0.05	0.03	0.03	0.02	0.01	0.02
Range	8.925	8.925	0.815	1.420	0.760	5.320	0.290	0.200	0.310	0.100	0.510	0.040	0.150	0.040
St Dev	0.22	0.28	0.07	0.15	0.07	0.48	0.06	0.03	0.06	0.02	0.10	0.01	0.04	0.01
Coef Var	3.362	4.632	1.370	1.603	1.086	5.359	0.831	0.630	0.792	0.541	1.063	0.473	1.014	0.489
Log Mean	-1.408	-1.463	-1.448	-1.236	-1.321	-1.495	-1.247	-1.444	-1.239	-1.492	-1.160	-1.635	-1.552	-1.667
Geo Mean	0.04	0.03	0.04	0.06	0.05	0.03	0.06	0.04	0.06	0.03	0.07	0.02	0.03	0.02
Log StDv	0.363	0.371	0.342	0.373	0.298	0.401	0.307	0.195	0.287	0.221	0.345	0.234	0.384	0.217
Log CVar	-0.258	-0.254	-0.236	-0.302	-0.226	-0.269	-0.246	-0.135	-0.231	-0.148	-0.297	-0.143	-0.247	-0.130
Percntls														
Minimum	0.005	0.005	0.005	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01
10th	0.01	0.01	0.01	0.02	0.02	0.01	0.03	0.02	0.02	0.02	0.03	0.01	0.01	0.01
20th	0.02	0.02	0.02	0.03	0.03	0.02	0.03	0.03	0.04	0.02	0.03	0.01	0.01	0.01
30th	0.03	0.02	0.02	0.04	0.03	0.02	0.04	0.03	0.05	0.02	0.04	0.02	0.02	0.02
40th	0.03	0.03	0.03	0.04	0.04	0.02	0.05	0.03	0.05	0.03	0.05	0.02	0.02	0.02
50th	0.04	0.03	0.03	0.05	0.04	0.03	0.06	0.04	0.05	0.03	0.06	0.03	0.03	0.02
60th	0.05	0.04	0.04	0.06	0.05	0.03	0.06	0.04	0.06	0.03	0.06	0.03	0.03	0.02
70th	0.05	0.05	0.05	0.07	0.07	0.04	0.08	0.04	0.07	0.04	0.10	0.03	0.03	0.03
80th	0.07	0.07	0.06	0.10	0.08	0.05	0.09	0.05	0.08	0.05	0.12	0.04	0.07	0.03
85th	0.09	0.08	0.08	0.14	0.09	0.06	0.11	0.05	0.09	0.06	0.19	0.04	0.08	0.03
90th	0.11	0.10	0.10	0.17	0.11	0.06	0.12	0.06	0.14	0.06	0.21	0.04	0.09	0.03
95th	0.16	0.14	0.13	0.31	0.15	0.20	0.19	0.07	0.19	0.07	0.23	0.05	0.09	0.05
98th	0.28	0.23	0.20	0.53	0.24	0.39	0.29	0.09	0.19	0.08	0.23	0.05	0.16	0.05
99th	0.47	0.32	0.30	0.71	0.24	0.44	0.30	0.09	0.32	0.11	0.53	0.05	0.16	0.05
Maximum	8.93	8.93	0.82	1.43	0.77	5.33	0.30	0.21	0.32	0.11	0.53	0.05	0.16	0.05

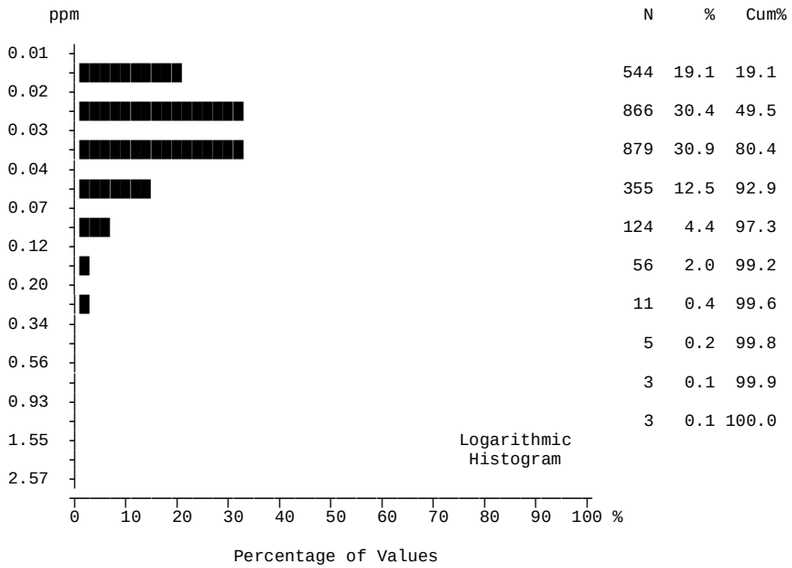
Tellurium (Te)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.01
analytical method : ICPMS

Tellurium by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	1436	435	279	323	110	81	37	54	27	15	14	24	9	5
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.04	0.03	0.03	0.06	0.03	0.04	0.03	0.09	0.03	0.03	0.03	0.04	0.03	0.03
Median	0.03	0.02	0.02	0.04	0.03	0.03	0.02	0.07	0.03	0.02	0.02	0.05	0.03	0.02
Mode	0.02	0.02	0.02	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.05	0.02	0.02
Range	1.50	1.06	0.16	1.10	0.23	1.50	0.10	0.20	0.11	0.12	0.06	0.07	0.06	0.09
St Dev	0.06	0.05	0.02	0.09	0.02	0.13	0.02	0.06	0.02	0.02	0.02	0.02	0.02	0.03
Coef Var	1.591	1.643	0.661	1.545	0.779	3.050	0.648	0.706	0.621	0.792	0.541	0.363	0.544	0.834
Log Mean	-1.575	-1.641	-1.636	-1.374	-1.581	-1.526	-1.594	-1.199	-1.555	-1.639	-1.597	-1.377	-1.509	-1.554
Geo Mean	0.03	0.02	0.02	0.04	0.03	0.03	0.03	0.06	0.03	0.02	0.03	0.04	0.03	0.03
Log StDv	0.305	0.323	0.237	0.282	0.262	0.241	0.239	0.393	0.249	0.256	0.233	0.163	0.204	0.227
Log CVar	-0.194	-0.197	-0.145	-0.206	-0.166	-0.158	-0.150	-0.328	-0.160	-0.156	-0.146	-0.119	-0.135	-0.146
Percntls														
Minimum	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
10th	0.01	0.01	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.02	0.02	0.02
20th	0.02	0.01	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02
30th	0.02	0.01	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.04	0.02	0.02
40th	0.02	0.02	0.02	0.04	0.02	0.03	0.02	0.05	0.02	0.02	0.02	0.04	0.02	0.02
50th	0.03	0.02	0.02	0.04	0.03	0.03	0.02	0.07	0.03	0.02	0.02	0.05	0.03	0.02
60th	0.03	0.02	0.03	0.05	0.03	0.03	0.03	0.10	0.03	0.02	0.03	0.05	0.03	0.03
70th	0.04	0.03	0.03	0.05	0.04	0.03	0.03	0.12	0.04	0.03	0.03	0.05	0.04	0.03
80th	0.04	0.04	0.03	0.07	0.04	0.04	0.04	0.15	0.04	0.03	0.04	0.05	0.04	0.03
85th	0.05	0.05	0.04	0.07	0.05	0.04	0.05	0.17	0.04	0.04	0.04	0.05	0.05	0.03
90th	0.06	0.06	0.04	0.09	0.05	0.05	0.05	0.18	0.05	0.04	0.05	0.06	0.07	0.03
95th	0.09	0.09	0.06	0.13	0.07	0.06	0.07	0.19	0.07	0.07	0.06	0.08	0.07	0.11
98th	0.14	0.14	0.09	0.19	0.10	0.07	0.08	0.20	0.08	0.08	0.06	0.08	0.08	0.11
99th	0.19	0.22	0.10	0.31	0.13	0.14	0.10	0.20	0.12	0.13	0.07	0.09	0.08	0.11
Maximum	1.51	1.07	0.17	1.11	0.24	1.51	0.11	0.21	0.12	0.13	0.07	0.09	0.08	0.11

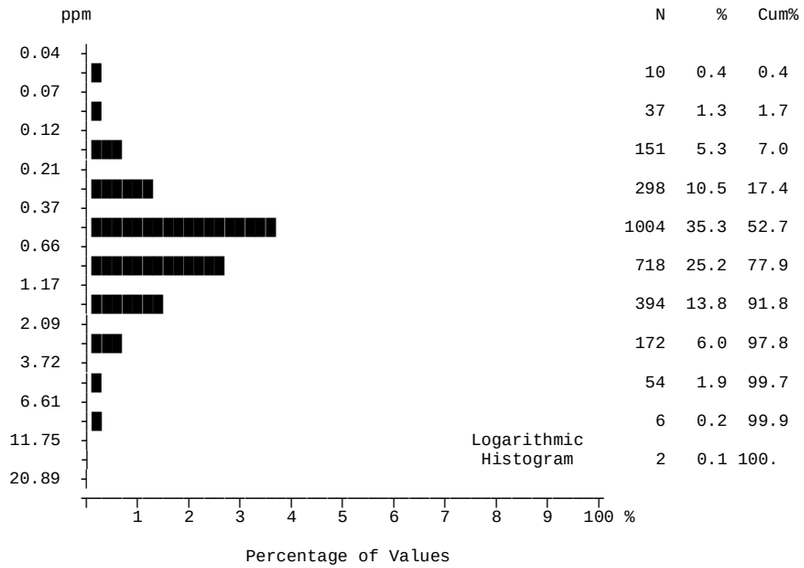
Thallium (Tl)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.02
analytical method : ICPMS

Thallium by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2799	1103	645	382	194	125	85	68	45	42	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.92	0.61	1.54	0.68	1.04	0.89	0.87	1.56	0.74	0.61	0.67	0.78	0.65	0.79
Median	0.60	0.50	1.20	0.50	0.80	0.80	0.70	1.60	0.60	0.50	0.60	0.80	0.60	0.70
Mode	0.40	0.40	0.60	0.30	0.40	0.90	0.70	0.70	0.40	0.50	0.80	0.40	0.60	0.20
Range	14.75	7.55	14.75	5.45	6.20	4.35	3.80	3.00	2.00	2.10	1.60	1.30	1.00	1.50
St Dev	0.96	0.63	1.41	0.55	0.84	0.57	0.62	0.87	0.46	0.38	0.38	0.30	0.30	0.50
Coef Var	1.043	1.022	0.916	0.808	0.804	0.638	0.718	0.558	0.622	0.619	0.565	0.386	0.455	0.627
Log Mean	-0.176	-0.311	0.050	-0.264	-0.109	-0.119	-0.144	0.104	-0.196	-0.283	-0.239	-0.142	-0.232	-0.197
Geo Mean	0.67	0.49	1.12	0.54	0.78	0.76	0.72	1.27	0.64	0.52	0.58	0.72	0.59	0.64
Log StDv	0.333	0.265	0.354	0.278	0.350	0.246	0.262	0.307	0.241	0.249	0.244	0.176	0.217	0.324
Log CVar	-1.889	-0.854	7.076	-1.058	-3.243	-2.084	-1.819	2.954	-1.231	-0.881	-1.023	-1.245	-0.940	-1.645
Percntls														
Minimum	0.05	0.05	0.05	0.05	0.1	0.05	0.2	0.1	0.2	0.1	0.2	0.3	0.2	0.2
10th	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.5	0.4	0.2	0.3	0.4	0.3	0.2
20th	0.4	0.3	0.6	0.3	0.4	0.5	0.4	0.7	0.4	0.4	0.3	0.4	0.4	0.2
30th	0.4	0.4	0.8	0.4	0.5	0.6	0.5	0.8	0.5	0.4	0.4	0.6	0.5	0.4
40th	0.5	0.4	1.0	0.4	0.7	0.7	0.7	1.2	0.5	0.5	0.5	0.7	0.5	0.5
50th	0.6	0.5	1.2	0.5	0.8	0.8	0.7	1.6	0.6	0.5	0.6	0.8	0.6	0.7
60th	0.8	0.5	1.4	0.6	1.0	0.9	0.8	1.8	0.7	0.6	0.7	0.8	0.6	0.8
70th	0.9	0.6	1.7	0.8	1.3	1.0	0.9	2.2	0.8	0.7	0.8	0.9	0.9	0.9
80th	1.2	0.7	2.1	1.0	1.6	1.1	1.1	2.4	0.9	0.7	0.8	1.0	1.0	1.2
85th	1.5	0.8	2.4	1.1	1.8	1.1	1.2	2.6	1.0	0.8	1.0	1.0	1.0	1.3
90th	1.8	1.0	3.1	1.2	2.0	1.2	1.4	2.7	1.2	0.9	1.1	1.1	1.0	1.3
95th	2.6	1.4	4.1	1.5	2.5	1.8	2.2	3.0	1.8	1.3	1.4	1.3	1.0	1.7
98th	3.9	2.2	5.5	1.8	3.1	2.5	2.5	3.1	2.1	1.5	1.4	1.3	1.2	1.7
99th	4.8	3.2	6.1	2.8	3.7	3.5	2.9	3.1	2.2	2.2	1.8	1.6	1.2	1.7
Maximum	14.8	7.6	14.8	5.5	6.3	4.4	4.0	3.1	2.2	2.2	1.8	1.6	1.2	1.7

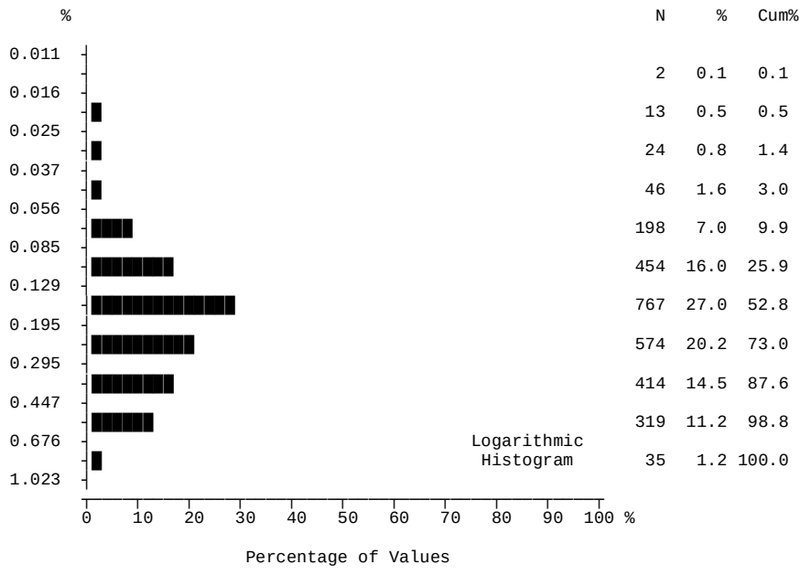
Thorium (Th)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.1
analytical method : ICPMS

Thorium by ICPMS

Summary Statistics



	N	%	Cum%
	2	0.1	0.1
	13	0.5	0.5
	24	0.8	1.4
	46	1.6	3.0
	198	7.0	9.9
	454	16.0	25.9
	767	27.0	52.8
	574	20.2	73.0
	414	14.5	87.6
	319	11.2	98.8
	35	1.2	100.0

	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.24	0.34	0.16	0.20	0.14	0.17	0.18	0.14	0.18	0.20	0.17	0.21	0.10	0.09
Median	0.18	0.33	0.15	0.18	0.14	0.16	0.17	0.14	0.16	0.20	0.14	0.19	0.10	0.07
Mode	0.12	0.25	0.16	0.16	0.11	0.17	0.13	0.12	0.12	0.14	0.12	0.18	0.14	0.05
Range	0.829	0.825	0.647	0.519	0.264	0.496	0.552	0.211	0.451	0.328	0.282	0.409	0.136	0.123
St Dev	0.16	0.18	0.09	0.09	0.04	0.10	0.09	0.04	0.10	0.07	0.07	0.09	0.04	0.04
Coef Var	0.656	0.514	0.556	0.477	0.303	0.578	0.489	0.283	0.569	0.351	0.397	0.422	0.412	0.429
Log Mean	-0.714	-0.535	-0.856	-0.759	-0.879	-0.840	-0.794	-0.876	-0.803	-0.721	-0.807	-0.715	-1.022	-1.085
Geo Mean	0.19	0.29	0.14	0.17	0.13	0.14	0.16	0.13	0.16	0.19	0.16	0.19	0.10	0.08
Log StDv	0.288	0.273	0.243	0.232	0.145	0.285	0.215	0.124	0.243	0.159	0.143	0.188	0.209	0.171
Log CVar	-0.404	-0.512	-0.284	-0.306	-0.165	-0.340	-0.271	-0.142	-0.303	-0.221	-0.177	-0.262	-0.204	-0.158
Percntls														
Minimum	0.014	0.018	0.014	0.016	0.033	0.023	0.032	0.060	0.056	0.074	0.092	0.062	0.034	0.048
10th	0.086	0.120	0.070	0.082	0.090	0.057	0.081	0.085	0.067	0.112	0.114	0.115	0.047	0.048
20th	0.115	0.171	0.093	0.120	0.104	0.095	0.113	0.108	0.098	0.143	0.124	0.120	0.061	0.055
30th	0.138	0.227	0.112	0.147	0.115	0.113	0.133	0.120	0.120	0.162	0.128	0.159	0.076	0.060
40th	0.160	0.275	0.128	0.163	0.128	0.145	0.148	0.125	0.138	0.165	0.131	0.181	0.080	0.072
50th	0.184	0.332	0.145	0.181	0.135	0.159	0.167	0.139	0.160	0.196	0.142	0.191	0.103	0.074
60th	0.225	0.383	0.162	0.205	0.146	0.173	0.188	0.141	0.185	0.209	0.150	0.208	0.118	0.080
70th	0.276	0.445	0.182	0.230	0.159	0.199	0.213	0.153	0.206	0.245	0.163	0.231	0.141	0.086
80th	0.363	0.520	0.212	0.271	0.171	0.232	0.229	0.162	0.256	0.254	0.188	0.293	0.141	0.113
85th	0.415	0.553	0.236	0.296	0.179	0.251	0.242	0.168	0.263	0.283	0.212	0.296	0.153	0.126
90th	0.488	0.597	0.275	0.329	0.193	0.315	0.266	0.179	0.355	0.297	0.230	0.299	0.155	0.126
95th	0.578	0.646	0.331	0.375	0.208	0.377	0.325	0.217	0.383	0.302	0.343	0.358	0.155	0.171
98th	0.646	0.697	0.406	0.434	0.231	0.424	0.408	0.240	0.420	0.325	0.343	0.358	0.170	0.171
99th	0.688	0.724	0.515	0.448	0.256	0.488	0.409	0.240	0.507	0.402	0.374	0.471	0.170	0.171
Maximum	0.843	0.843	0.661	0.535	0.297	0.519	0.584	0.271	0.507	0.402	0.374	0.471	0.170	0.171

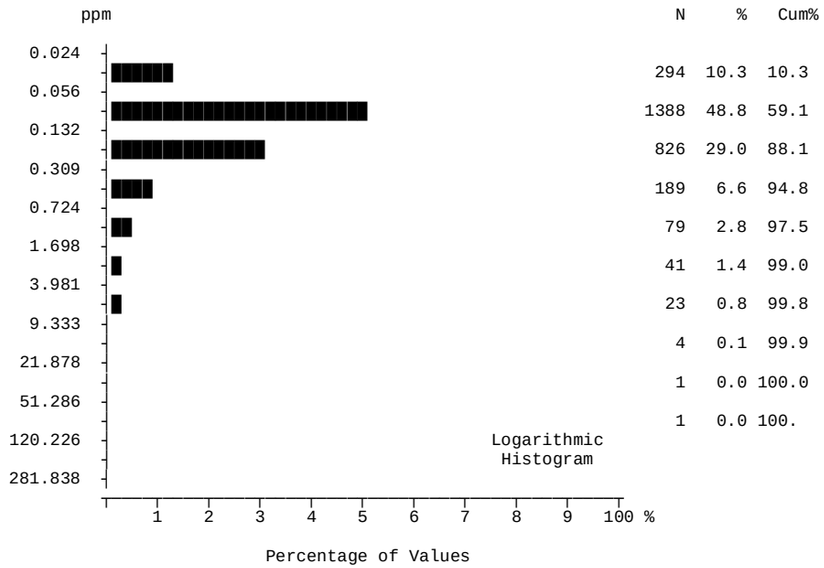
Titanium (Ti)

Stream Sediment

number of values : 2846
units : %
detection limit : 0.001
analytical method : ICPMS

Titanium by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2552	939	647	363	191	91	85	69	43	35	29	17	7	9
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.31	0.23	0.33	0.30	0.81	0.09	0.54	0.38	0.52	0.09	0.58	0.07	0.06	0.10
Median	0.11	0.09	0.15	0.12	0.15	0.07	0.20	0.17	0.12	0.07	0.15	0.07	0.03	0.09
Mode	0.06	0.06	0.10	0.11	0.10	0.06	0.13	0.15	0.07	0.07	0.09	0.03	0.03	0.08
Range	112.975	28.675	8.085	12.875	112.975	0.415	6.550	4.790	8.955	0.845	9.630	0.115	0.115	0.130
St Dev	2.30	1.05	0.71	0.99	7.96	0.07	1.04	0.82	1.44	0.12	1.80	0.03	0.04	0.04
Coef Var	7.347	4.565	2.181	3.323	9.812	0.783	1.949	2.164	2.756	1.382	3.082	0.451	0.694	0.360
Log Mean	-0.883	-0.979	-0.745	-0.858	-0.779	-1.133	-0.615	-0.691	-0.776	-1.140	-0.729	-1.227	-1.347	-1.019
Geo Mean	0.13	0.10	0.18	0.14	0.17	0.07	0.24	0.20	0.17	0.07	0.19	0.06	0.04	0.10
Log StDv	0.402	0.386	0.366	0.377	0.403	0.284	0.462	0.367	0.516	0.205	0.466	0.216	0.295	0.151
Log CVar	-0.456	-0.395	-0.491	-0.439	-0.517	-0.251	-0.753	-0.532	-0.666	-0.180	-0.641	-0.176	-0.219	-0.148
Percntls														
Minimum	0.025	0.025	0.025	0.025	0.025	0.025	0.06	0.06	0.025	0.025	0.08	0.025	0.025	0.05
10th	0.05	0.05	0.08	0.06	0.07	0.025	0.08	0.09	0.06	0.05	0.08	0.025	0.025	0.05
20th	0.07	0.06	0.10	0.08	0.09	0.05	0.11	0.11	0.07	0.06	0.09	0.025	0.025	0.08
30th	0.08	0.07	0.12	0.09	0.11	0.06	0.13	0.13	0.08	0.06	0.10	0.05	0.025	0.08
40th	0.10	0.08	0.13	0.11	0.13	0.06	0.15	0.15	0.10	0.07	0.12	0.06	0.025	0.08
50th	0.11	0.09	0.15	0.12	0.15	0.07	0.20	0.17	0.12	0.07	0.15	0.07	0.025	0.09
60th	0.14	0.10	0.18	0.14	0.17	0.08	0.23	0.18	0.13	0.07	0.15	0.07	0.06	0.10
70th	0.17	0.13	0.21	0.16	0.20	0.10	0.26	0.21	0.20	0.08	0.17	0.08	0.07	0.10
80th	0.21	0.17	0.26	0.19	0.25	0.12	0.49	0.29	0.25	0.08	0.20	0.08	0.09	0.11
85th	0.26	0.21	0.32	0.23	0.29	0.14	0.70	0.42	0.40	0.09	0.29	0.09	0.10	0.14
90th	0.36	0.27	0.43	0.31	0.38	0.20	1.33	0.51	1.08	0.09	0.40	0.10	0.11	0.14
95th	0.76	0.61	1.21	0.68	0.79	0.23	2.31	0.96	1.91	0.10	1.69	0.13	0.11	0.18
98th	2.06	1.44	2.83	3.18	1.66	0.30	3.72	4.65	3.51	0.13	1.69	0.13	0.14	0.18
99th	4.02	3.04	3.88	4.14	2.38	0.40	4.80	4.65	8.98	0.87	9.71	0.14	0.14	0.18
Maximum	113.00	28.70	8.11	12.900	113.00	0.44	6.61	4.85	8.98	0.87	9.71	0.14	0.14	0.18

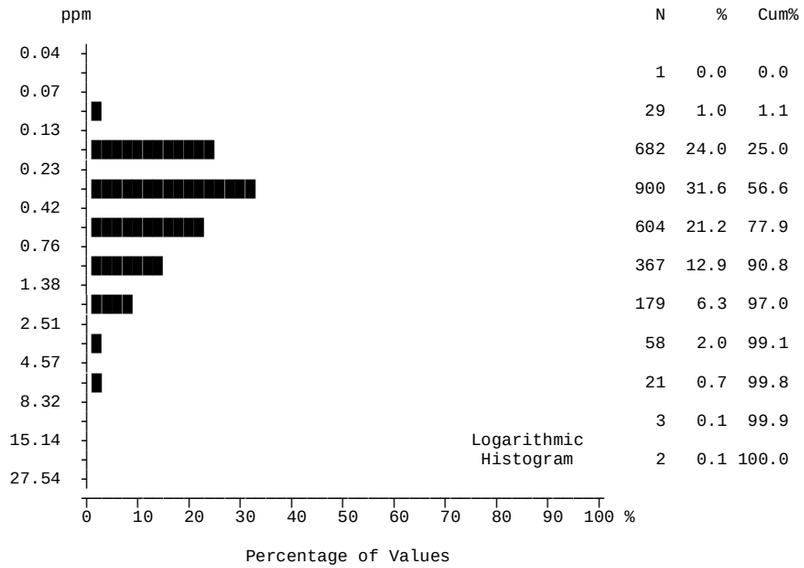
Tungsten (W)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.05
analytical method : ICPMS

Tungsten by ICPMS

Summary Statistics



	N	%	Cum%
0.04	1	0.0	0.0
0.07	29	1.0	1.1
0.13	682	24.0	25.0
0.23	900	31.6	56.6
0.42	604	21.2	77.9
0.76	367	12.9	90.8
1.38	179	6.3	97.0
2.51	58	2.0	99.1
4.57	21	0.7	99.8
8.32	3	0.1	99.9
15.14	2	0.1	100.0
27.54			

	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.64	0.51	1.08	0.49	0.72	0.32	0.58	0.35	0.41	0.20	0.70	0.38	0.27	0.57
Median	0.37	0.24	0.68	0.38	0.52	0.25	0.38	0.36	0.33	0.18	0.35	0.35	0.23	0.42
Mode	0.18	0.18	0.28	0.29	0.41	0.21	0.24	0.25	0.24	0.13	0.27	0.47	0.19	0.42
Range	22.14	7.89	22.07	3.24	4.71	4.04	4.66	0.49	1.33	0.27	5.05	0.37	0.36	1.41
St Dev	0.99	0.74	1.62	0.40	0.68	0.39	0.67	0.11	0.25	0.06	1.01	0.10	0.10	0.43
Coef Var	1.541	1.447	1.501	0.810	0.939	1.199	1.157	0.322	0.603	0.319	1.433	0.272	0.381	0.761
Log Mean	-0.375	-0.486	-0.139	-0.385	-0.265	-0.574	-0.372	-0.477	-0.439	-0.713	-0.341	-0.436	-0.600	-0.331
Geo Mean	0.42	0.33	0.73	0.41	0.54	0.27	0.42	0.33	0.36	0.19	0.46	0.37	0.25	0.47
Log StDv	0.351	0.354	0.344	0.230	0.318	0.220	0.303	0.144	0.210	0.127	0.352	0.116	0.153	0.270
Log CVar	-0.935	-0.731	-2.495	-0.599	-1.199	-0.384	-0.815	-0.302	-0.477	-0.178	-1.036	-0.267	-0.255	-0.816
Percntls														
Minimum	0.06	0.10	0.13	0.14	0.06	0.12	0.08	0.16	0.13	0.13	0.17	0.23	0.14	0.22
10th	0.17	0.16	0.28	0.23	0.22	0.15	0.21	0.21	0.23	0.13	0.19	0.27	0.18	0.22
20th	0.20	0.17	0.38	0.27	0.30	0.18	0.24	0.25	0.24	0.15	0.24	0.28	0.19	0.23
30th	0.25	0.19	0.48	0.30	0.37	0.20	0.30	0.27	0.27	0.16	0.27	0.30	0.20	0.31
40th	0.30	0.21	0.56	0.34	0.43	0.22	0.33	0.30	0.31	0.17	0.29	0.33	0.22	0.37
50th	0.37	0.24	0.68	0.38	0.52	0.25	0.38	0.36	0.33	0.18	0.35	0.35	0.23	0.42
60th	0.45	0.30	0.84	0.42	0.58	0.27	0.41	0.38	0.37	0.20	0.38	0.37	0.24	0.42
70th	0.57	0.39	1.02	0.47	0.78	0.32	0.47	0.40	0.44	0.21	0.64	0.45	0.32	0.49
80th	0.84	0.60	1.30	0.57	0.98	0.39	0.68	0.43	0.50	0.24	0.83	0.47	0.33	0.62
85th	1.02	0.87	1.58	0.68	1.10	0.40	0.79	0.48	0.55	0.28	0.87	0.47	0.35	0.96
90th	1.32	1.26	1.99	0.83	1.41	0.45	1.12	0.52	0.73	0.29	1.05	0.47	0.44	0.96
95th	1.88	1.71	2.86	1.12	1.93	0.63	1.93	0.55	0.96	0.33	2.81	0.58	0.44	1.63
98th	3.02	2.68	4.59	1.66	2.53	0.82	2.51	0.59	0.97	0.35	2.81	0.58	0.50	1.63
99th	4.16	3.88	6.78	2.09	3.52	1.54	2.92	0.59	1.46	0.40	5.22	0.60	0.50	1.63
Maximum	22.20	7.99	22.20	3.38	4.77	4.16	4.74	0.65	1.46	0.40	5.22	0.60	0.50	1.63

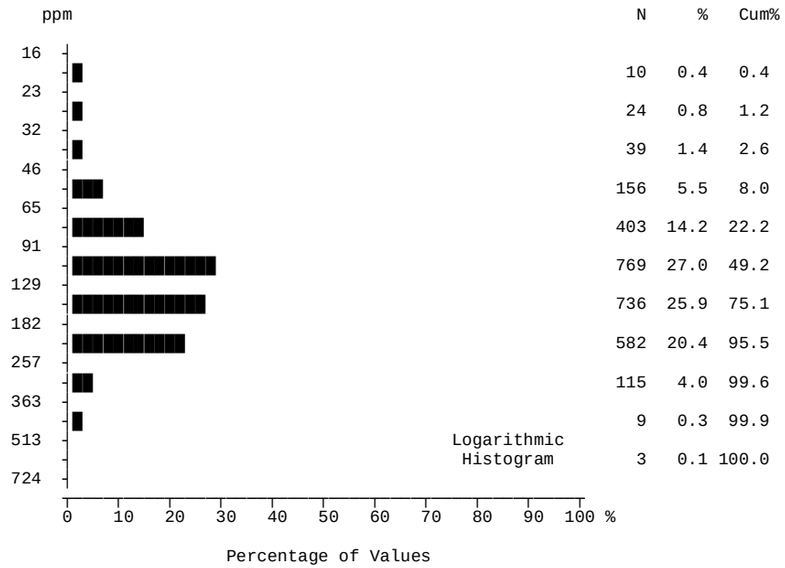
Uranium (U)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.05
analytical method : ICPMS

Uranium by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	141.6	164.3	131.3	130.7	143.4	125.5	115.2	79.3	112.0	102.1	116.8	124.0	94.0	117.3
Median	130.0	161.0	117.0	120.0	124.0	112.0	114.0	70.0	101.0	101.0	104.0	118.0	93.0	110.0
Mode	112.0	150.0	105.0	115.0	79.0	103.0	101.0	70.0	101.0	67.0	97.0	73.0	57.0	110.0
Range	529	315	529	422	521	337	167	331	282	126	119	186	126	295
St Dev	63.73	57.75	69.45	52.95	83.24	55.28	26.75	45.35	46.34	29.75	33.02	46.10	35.87	87.18
Coef Var	0.450	0.351	0.529	0.405	0.580	0.440	0.232	0.572	0.414	0.291	0.283	0.372	0.382	0.743
Log Mean	2.105	2.184	2.057	2.085	2.092	2.062	2.051	1.859	2.021	1.991	2.052	2.069	1.944	1.949
Geo Mean	127.5	152.7	114.0	121.6	123.5	115.4	112.4	72.3	104.9	97.9	112.7	117.2	87.9	89.0
Log StDv	0.208	0.177	0.242	0.166	0.238	0.176	0.097	0.172	0.154	0.129	0.116	0.145	0.165	0.362
Log CVar	0.990	0.081	0.118	0.080	0.114	0.085	0.047	0.092	0.076	0.065	0.057	0.070	0.085	0.186
Percntls														
Minimum	17	22	17	30	24	45	63	32	33	52	72	73	49	21
10th	69	92	56	76	63	69	84	50	77	64	74	79	57	21
20th	88	113	77	91	76	81	93	54	81	79	94	82	57	34
30th	103	128	91	102	88	92	101	60	90	83	97	90	64	43
40th	115	145	104	112	105	103	106	64	96	89	98	107	67	70
50th	130	161	117	120	124	112	114	70	101	101	104	118	93	110
60th	148	181	135	130	145	127	119	71	107	109	115	120	101	110
70th	168	198	157	144	169	141	125	74	114	115	118	132	114	144
80th	195	217	181	163	200	161	129	86	125	124	139	151	116	158
85th	210	229	198	177	224	176	139	107	148	133	166	153	129	167
90th	229	241	221	195	242	195	146	125	154	139	170	158	131	167
95th	255	258	260	234	289	214	153	152	176	158	185	229	131	316
98th	284	276	295	270	350	248	169	166	241	163	185	229	175	316
99th	327	297	339	294	417	335	192	166	315	178	191	259	175	316
Maximum	546	337	546	452	545	382	230	363	315	178	191	259	175	316

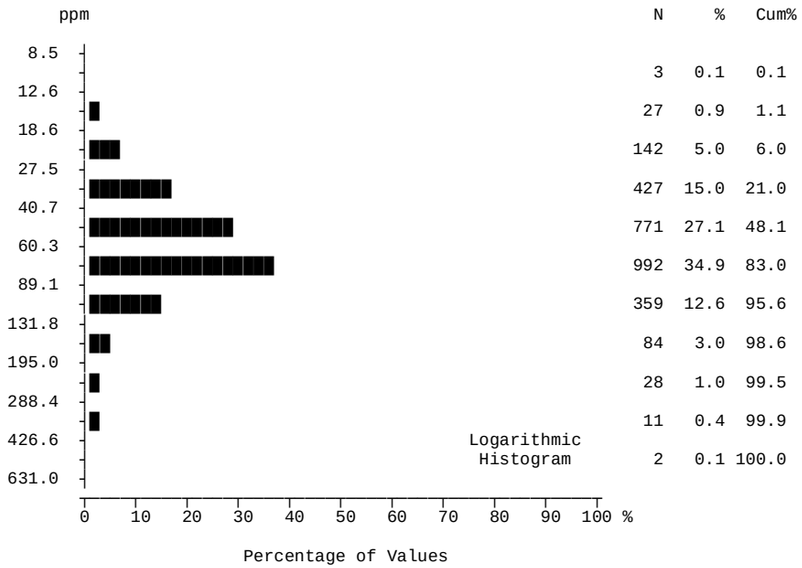
Vanadium (V)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 1
analytical method : ICPMS

Vanadium by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	67.31	74.88	51.57	87.84	52.07	60.47	71.01	56.95	66.81	44.97	57.67	69.42	58.43	27.85
Median	61.70	70.60	45.40	80.90	47.00	55.80	62.50	55.10	65.60	43.10	55.70	64.00	43.70	22.40
Mode	90.00	86.90	37.60	105.00	37.70	55.40	54.60	41.50	56.80	38.30	25.80	26.90	27.90	12.10
Range	484.5	446.2	361.6	294.9	199.5	471.8	321.1	82.9	128.1	54.5	111.7	103.1	159.1	56.9
St Dev	37.99	39.98	30.02	38.85	26.38	42.41	39.62	19.45	24.92	12.93	23.28	26.42	39.89	16.03
Coef Var	0.564	0.534	0.582	0.442	0.507	0.701	0.558	0.342	0.373	0.288	0.404	0.381	0.683	0.576
Log Mean	1.776	1.829	1.661	1.908	1.678	1.744	1.816	1.728	1.798	1.636	1.732	1.811	1.708	1.396
Geo Mean	59.74	67.48	45.79	80.93	47.68	55.44	65.40	53.44	62.78	43.22	53.90	64.69	51.03	24.87
Log StDv	0.209	0.196	0.205	0.174	0.174	0.159	0.159	0.162	0.154	0.124	0.160	0.169	0.211	0.207
Log CVar	0.118	0.107	0.123	0.091	0.104	0.091	0.088	0.094	0.086	0.076	0.092	0.093	0.124	0.149
Percntls														
Minimum	10.5	14.8	11.4	24.1	10.5	23.2	32.9	17.6	30.4	22.4	25.8	26.9	27.9	12.1
10th	32.5	37.5	25.5	50.5	30.8	36.2	45.8	32.5	38.6	29.2	32.5	42.0	30.8	12.1
20th	40.0	48.5	31.7	60.3	35.7	41.0	50.1	39.5	45.7	34.9	38.1	46.1	34.3	17.3
30th	47.5	57.9	36.2	68.3	38.6	47.8	54.4	44.6	51.8	38.1	42.2	54.1	41.3	17.4
40th	54.3	64.7	40.3	73.1	41.7	53.2	56.2	49.1	56.8	38.8	51.1	58.0	42.9	21.7
50th	61.7	70.6	45.4	80.9	47.0	55.8	62.5	55.1	65.6	43.1	55.7	64.0	43.7	22.4
60th	69.2	77.1	50.2	88.2	51.4	61.2	66.1	62.5	70.7	47.0	59.7	69.0	45.2	23.0
70th	76.9	82.7	56.2	95.7	56.0	66.8	71.2	68.0	77.5	48.9	62.1	77.6	59.6	29.3
80th	85.6	90.0	65.1	109.0	63.3	72.0	81.4	74.8	80.2	53.7	64.8	93.1	65.9	32.1
85th	91.4	95.4	73.9	116.0	69.2	73.1	89.2	80.5	83.4	55.7	69.2	95.6	70.5	34.2
90th	101.5	105.5	82.7	130.5	74.3	78.7	96.2	82.2	91.0	63.3	80.3	101.0	98.4	34.2
95th	125.0	133.0	96.3	152.5	88.4	83.2	134.0	91.5	103.5	72.1	107.0	121.0	98.4	69.0
98th	171.5	187.5	139.5	211.0	124.5	94.8	155.0	94.0	131.5	74.5	107.0	121.0	187.0	69.0
99th	216.0	253.0	159.5	223.0	195.0	117.0	163.0	94.0	158.5	76.9	137.5	130.0	187.0	69.0
Maximum	495.0	461.0	373.0	319.0	210.0	495.0	354.0	100.5	158.5	76.9	137.5	130.0	187.0	69.0

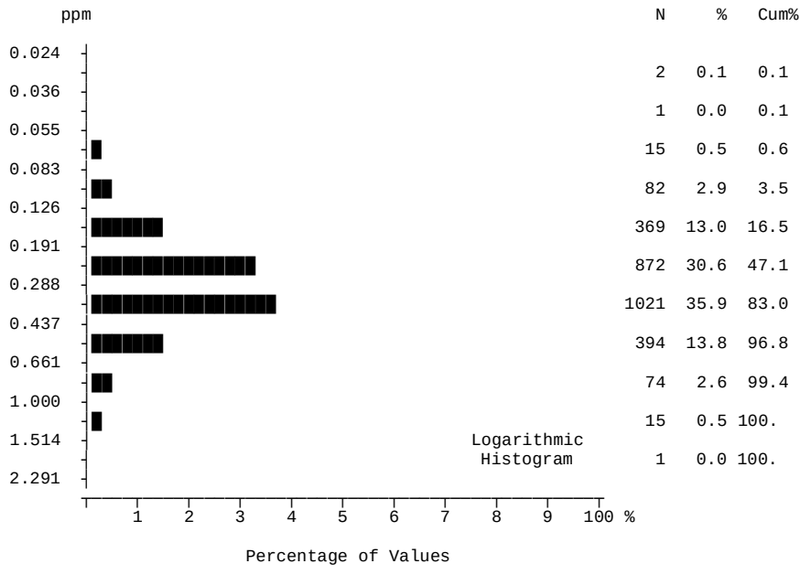
Zinc (Zn)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.1
analytical method : ICPMS

Zinc by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2843	1119	654	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.32	0.29	0.31	0.45	0.30	0.30	0.46	0.29	0.34	0.24	0.26	0.39	0.21	0.16
Median	0.29	0.28	0.28	0.42	0.26	0.28	0.42	0.27	0.30	0.23	0.24	0.34	0.19	0.12
Mode	0.28	0.26	0.28	0.36	0.25	0.28	0.37	0.39	0.23	0.12	0.18	0.25	0.17	0.12
Range	1.495	1.495	1.435	1.220	1.040	0.620	0.780	0.560	0.590	0.400	0.430	0.730	0.170	0.270
St Dev	0.15	0.11	0.16	0.19	0.15	0.11	0.18	0.12	0.13	0.10	0.09	0.18	0.05	0.09
Coef Var	0.478	0.379	0.523	0.420	0.512	0.368	0.388	0.411	0.384	0.417	0.349	0.463	0.255	0.553
Log Mean	-0.536	-0.563	-0.562	-0.385	-0.576	-0.553	-0.370	-0.577	-0.503	-0.651	-0.608	-0.456	-0.700	-0.836
Geo Mean	0.29	0.27	0.27	0.41	0.27	0.28	0.43	0.26	0.31	0.22	0.25	0.35	0.20	0.15
Log StDv	0.194	0.159	0.211	0.179	0.204	0.159	0.164	0.188	0.167	0.179	0.139	0.197	0.106	0.196
Log CVar	-0.363	-0.283	-0.375	-0.467	-0.355	-0.287	-0.443	-0.326	-0.332	-0.275	-0.229	-0.432	-0.152	-0.235
Percntls														
Minimum	0.025	0.025	0.025	0.09	0.07	0.08	0.18	0.10	0.11	0.11	0.14	0.12	0.13	0.09
10th	0.17	0.18	0.15	0.25	0.15	0.19	0.26	0.15	0.20	0.12	0.16	0.19	0.16	0.09
20th	0.21	0.21	0.19	0.29	0.18	0.21	0.31	0.18	0.23	0.16	0.18	0.25	0.17	0.10
30th	0.24	0.24	0.22	0.34	0.20	0.24	0.35	0.21	0.24	0.18	0.20	0.28	0.17	0.11
40th	0.27	0.26	0.25	0.38	0.23	0.26	0.37	0.25	0.28	0.20	0.22	0.32	0.17	0.12
50th	0.29	0.28	0.28	0.42	0.26	0.28	0.42	0.27	0.30	0.23	0.24	0.34	0.19	0.12
60th	0.33	0.30	0.31	0.46	0.29	0.31	0.46	0.31	0.33	0.24	0.26	0.39	0.19	0.13
70th	0.36	0.33	0.35	0.51	0.33	0.34	0.51	0.36	0.39	0.27	0.29	0.41	0.23	0.15
80th	0.41	0.36	0.41	0.56	0.40	0.37	0.58	0.39	0.47	0.31	0.32	0.46	0.23	0.15
85th	0.45	0.38	0.44	0.61	0.43	0.38	0.62	0.39	0.48	0.39	0.33	0.47	0.29	0.29
90th	0.50	0.41	0.48	0.67	0.48	0.40	0.70	0.42	0.50	0.39	0.35	0.61	0.29	0.29
95th	0.59	0.46	0.57	0.80	0.56	0.50	0.85	0.49	0.55	0.40	0.39	0.79	0.29	0.36
98th	0.74	0.51	0.78	0.99	0.72	0.62	0.87	0.62	0.63	0.45	0.39	0.79	0.30	0.36
99th	0.87	0.57	0.88	1.17	0.73	0.67	0.91	0.62	0.70	0.51	0.57	0.85	0.30	0.36
Maximum	1.52	1.52	1.46	1.31	1.11	0.70	0.96	0.66	0.70	0.51	0.57	0.85	0.30	0.36

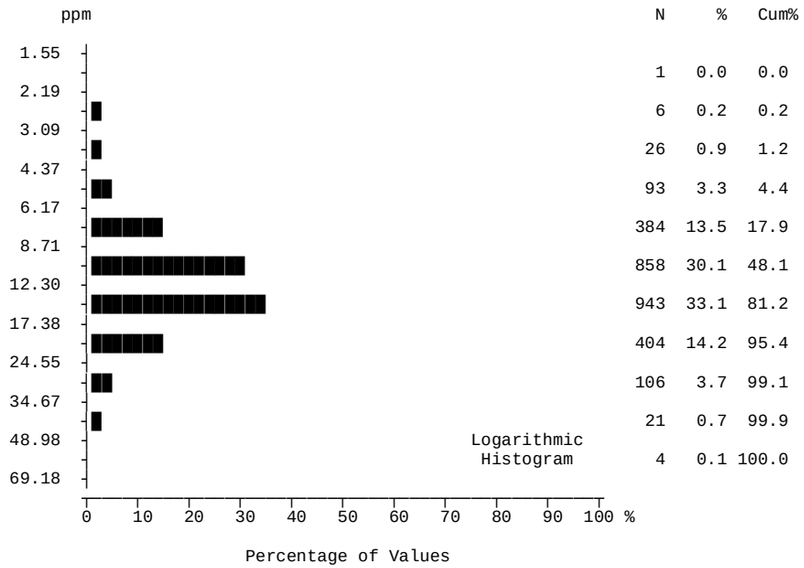
Beryllium (Be)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.05
analytical method : ICPMS

Beryllium by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	13.51	12.41	14.60	17.24	11.10	13.53	14.96	11.62	12.54	9.23	9.00	16.38	8.88	9.98
Median	12.60	11.80	13.45	15.95	9.46	13.05	13.50	11.15	12.90	8.53	9.41	16.25	8.86	9.76
Mode	11.60	11.60	11.10	14.80	10.35	13.55	12.70	8.61	10.40	8.11	5.16	7.15	5.07	6.20
Range	56.49	56.49	52.24	41.25	38.99	18.02	48.95	13.54	27.85	13.44	9.86	24.85	13.38	9.35
St Dev	5.87	4.48	6.44	7.02	5.78	3.75	7.40	3.49	5.47	2.56	2.85	5.98	3.57	3.17
Coef Var	0.434	0.361	0.441	0.407	0.521	0.277	0.495	0.301	0.436	0.277	0.316	0.365	0.402	0.318
Log Mean	1.094	1.068	1.127	1.202	0.993	1.115	1.134	1.046	1.053	0.950	0.930	1.188	0.920	0.979
Geo Mean	12.42	11.69	13.40	15.93	9.84	13.02	13.63	11.12	11.31	8.92	8.51	15.42	8.32	9.52
Log StDv	0.179	0.152	0.179	0.174	0.213	0.122	0.184	0.131	0.212	0.114	0.155	0.154	0.157	0.142
Log CVar	0.164	0.142	0.159	0.145	0.215	0.110	0.162	0.126	0.202	0.120	0.166	0.130	0.171	0.145
Percntls														
Minimum	2.01	2.01	3.46	4.35	2.81	6.38	3.95	6.41	2.35	5.16	3.79	7.15	5.07	6.20
10th	7.47	7.62	8.01	9.80	5.14	8.85	8.28	7.28	6.10	6.19	5.16	9.40	5.55	6.20
20th	8.97	8.95	9.66	11.15	6.38	10.05	9.19	8.25	7.86	7.11	5.76	10.10	6.24	6.36
30th	10.25	10.00	10.90	12.80	7.52	11.30	11.55	9.26	9.17	7.60	6.95	13.60	6.36	6.52
40th	11.35	10.95	12.15	14.45	8.41	12.40	12.70	10.25	10.65	8.11	8.78	14.75	6.41	8.45
50th	12.60	11.80	13.45	15.95	9.46	13.05	13.50	11.15	12.90	8.53	9.41	16.25	8.86	9.76
60th	13.80	12.95	14.70	17.65	10.95	13.95	15.05	12.30	13.20	9.79	10.10	16.75	8.93	9.87
70th	15.10	14.15	16.30	19.75	13.15	15.55	16.00	13.70	14.60	10.35	10.70	17.45	9.49	11.65
80th	17.10	15.20	19.10	22.60	14.60	16.85	17.35	14.80	15.55	10.80	11.30	19.00	10.95	12.65
85th	18.60	16.25	20.40	24.10	16.70	17.45	19.40	15.30	16.20	11.55	12.20	19.35	12.45	12.80
90th	20.50	17.70	22.50	26.00	20.00	18.00	22.40	15.75	20.70	11.90	12.25	22.90	12.50	12.80
95th	24.10	19.55	25.70	30.80	22.50	19.70	26.80	18.90	22.30	12.70	13.15	31.90	12.50	15.55
98th	29.50	23.60	31.60	35.10	26.20	23.00	32.20	19.45	23.30	14.25	13.15	31.90	18.45	15.55
99th	34.00	26.80	35.20	40.00	26.70	23.60	43.30	19.45	30.20	18.60	13.65	32.00	18.45	15.55
Maximum	58.50	58.50	55.70	45.60	41.80	24.40	52.90	19.95	30.20	18.60	13.65	32.00	18.45	15.55

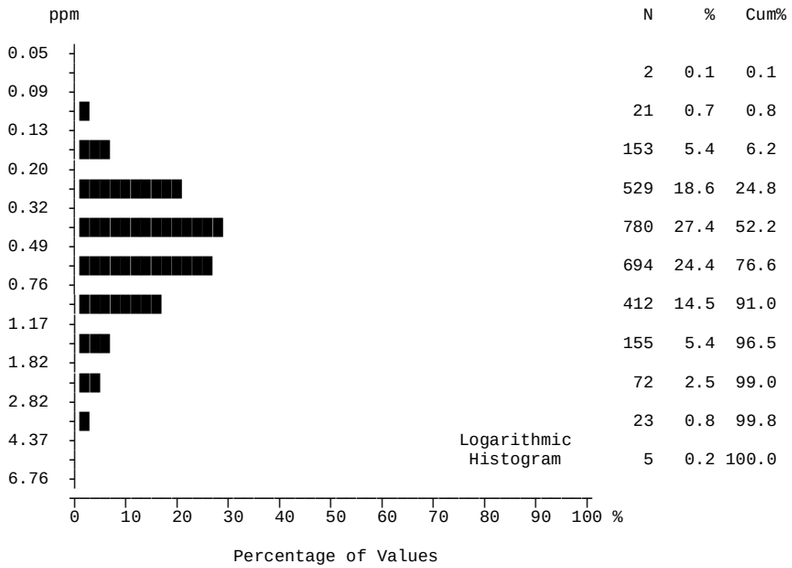
Cerium (Ce)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.02
analytical method : ICPMS

Cerium by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.61	0.57	0.49	0.80	0.59	0.64	0.70	1.40	0.67	0.45	0.56	0.68	0.56	0.28
Median	0.47	0.44	0.40	0.63	0.45	0.54	0.62	1.42	0.49	0.41	0.44	0.56	0.53	0.23
Mode	0.34	0.34	0.30	0.43	0.25	0.39	0.51	0.48	0.48	0.45	0.39	0.44	0.18	0.23
Range	6.22	6.22	4.41	5.14	3.07	5.31	1.74	2.98	2.16	1.58	1.59	1.73	1.19	0.28
St Dev	0.51	0.49	0.37	0.60	0.47	0.53	0.35	0.90	0.44	0.32	0.37	0.40	0.34	0.10
Coef Var	0.833	0.857	0.753	0.753	0.804	0.829	0.498	0.644	0.666	0.697	0.663	0.596	0.602	0.349
Log Mean	-0.307	-0.336	-0.382	-0.185	-0.328	-0.266	-0.200	0.039	-0.252	-0.417	-0.313	-0.232	-0.323	-0.567
Geo Mean	0.49	0.46	0.41	0.65	0.47	0.54	0.63	1.09	0.56	0.38	0.49	0.59	0.48	0.27
Log StDv	0.273	0.268	0.242	0.263	0.278	0.237	0.201	0.329	0.253	0.243	0.223	0.239	0.264	0.136
Log CVar	-0.892	-0.799	-0.635	-1.429	-0.848	-0.893	-1.004	8.667	-1.002	-0.582	-0.714	-1.029	-0.817	-0.240
Percntls														
Minimum	0.08	0.08	0.08	0.14	0.11	0.14	0.22	0.22	0.22	0.16	0.19	0.19	0.18	0.19
10th	0.23	0.22	0.22	0.32	0.22	0.27	0.37	0.43	0.27	0.17	0.29	0.32	0.22	0.19
20th	0.29	0.27	0.26	0.40	0.25	0.35	0.43	0.48	0.32	0.24	0.32	0.37	0.25	0.20
30th	0.34	0.33	0.30	0.46	0.31	0.39	0.47	0.64	0.38	0.26	0.38	0.44	0.27	0.22
40th	0.41	0.38	0.34	0.54	0.40	0.46	0.52	0.83	0.46	0.30	0.39	0.51	0.44	0.23
50th	0.47	0.44	0.40	0.63	0.45	0.54	0.62	1.42	0.49	0.41	0.44	0.56	0.53	0.23
60th	0.55	0.52	0.45	0.73	0.54	0.60	0.71	1.61	0.57	0.45	0.47	0.58	0.55	0.27
70th	0.65	0.61	0.53	0.87	0.64	0.74	0.82	1.79	0.81	0.46	0.53	0.74	0.59	0.29
80th	0.82	0.75	0.64	1.10	0.80	0.86	0.89	2.01	0.91	0.52	0.65	0.81	0.87	0.29
85th	0.92	0.86	0.73	1.21	0.90	0.93	1.01	2.67	0.92	0.61	0.73	1.07	0.91	0.45
90th	1.12	0.98	0.86	1.43	1.08	1.00	1.17	2.87	1.36	0.66	0.86	1.14	0.97	0.45
95th	1.56	1.37	1.07	1.92	1.38	1.19	1.38	2.92	1.48	1.16	1.50	1.62	0.97	0.47
98th	2.14	1.90	1.57	2.37	2.27	1.55	1.66	3.13	1.59	1.24	1.50	1.62	1.37	0.47
99th	2.79	2.48	2.14	3.04	2.35	1.90	1.80	3.13	2.38	1.74	1.78	1.92	1.37	0.47
Maximum	6.30	6.30	4.49	5.28	3.18	5.45	1.96	3.20	2.38	1.74	1.78	1.92	1.37	0.47

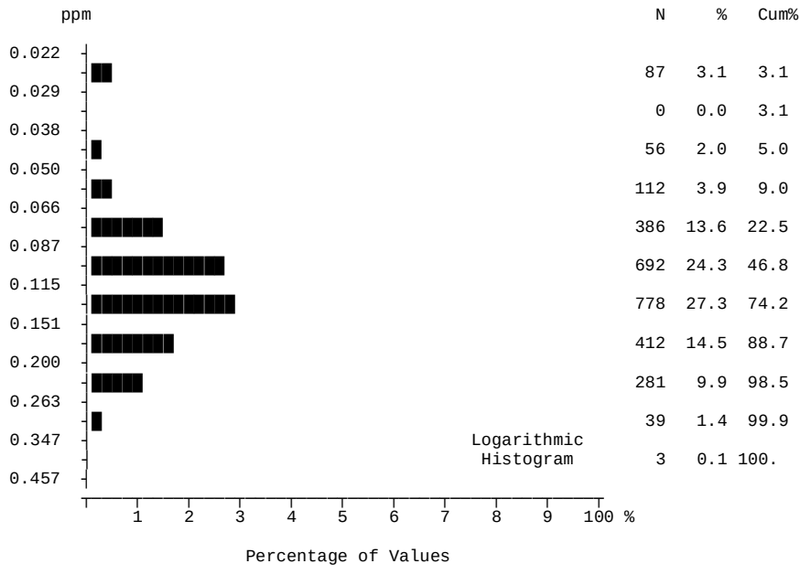
Cesium (Cs)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.05
analytical method : ICPMS

Cesium by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2703	1105	601	381	183	118	82	51	41	39	29	26	12	6
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.13	0.15	0.11	0.13	0.10	0.10	0.11	0.07	0.10	0.09	0.10	0.11	0.08	0.09
Median	0.12	0.14	0.11	0.12	0.10	0.09	0.11	0.08	0.10	0.09	0.10	0.10	0.08	0.09
Mode	0.12	0.12	0.10	0.12	0.09	0.08	0.09	0.03	0.08	0.09	0.10	0.08	0.05	0.03
Range	0.355	0.355	0.265	0.345	0.265	0.215	0.155	0.185	0.145	0.115	0.080	0.190	0.100	0.155
St Dev	0.05	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.04	0.03	0.02	0.05	0.03	0.05
Coef Var	0.425	0.370	0.415	0.367	0.421	0.352	0.288	0.462	0.364	0.311	0.225	0.425	0.354	0.568
Log Mean	-0.942	-0.851	-1.006	-0.916	-1.026	-1.024	-0.988	-1.180	-1.029	-1.086	-1.011	-0.975	-1.100	-1.148
Geo Mean	0.11	0.14	0.10	0.12	0.09	0.09	0.10	0.07	0.09	0.08	0.10	0.11	0.08	0.07
Log StDv	0.204	0.175	0.208	0.166	0.210	0.159	0.148	0.232	0.201	0.175	0.100	0.174	0.150	0.291
Log CVar	-0.217	-0.205	-0.206	-0.182	-0.205	-0.156	-0.150	-0.197	-0.196	-0.162	-0.990	-0.179	-0.136	-0.254
Percntls														
Minimum	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.06	0.05	0.05	0.025
10th	0.07	0.08	0.06	0.08	0.06	0.06	0.08	0.025	0.06	0.05	0.07	0.07	0.05	0.025
20th	0.08	0.10	0.07	0.09	0.07	0.07	0.08	0.05	0.07	0.07	0.08	0.08	0.05	0.025
30th	0.09	0.12	0.08	0.10	0.08	0.08	0.09	0.06	0.08	0.08	0.09	0.08	0.06	0.05
40th	0.11	0.13	0.09	0.11	0.09	0.09	0.10	0.07	0.09	0.08	0.09	0.09	0.07	0.05
50th	0.12	0.14	0.11	0.12	0.10	0.09	0.11	0.08	0.10	0.09	0.10	0.10	0.08	0.09
60th	0.13	0.16	0.12	0.13	0.11	0.11	0.11	0.08	0.11	0.09	0.10	0.11	0.09	0.10
70th	0.15	0.18	0.13	0.15	0.12	0.11	0.12	0.09	0.12	0.10	0.11	0.13	0.09	0.10
80th	0.17	0.20	0.14	0.16	0.13	0.13	0.13	0.09	0.14	0.11	0.12	0.17	0.10	0.11
85th	0.18	0.21	0.15	0.17	0.15	0.14	0.14	0.10	0.14	0.12	0.13	0.17	0.11	0.12
90th	0.20	0.23	0.17	0.19	0.16	0.14	0.15	0.11	0.15	0.12	0.13	0.18	0.13	0.12
95th	0.23	0.25	0.19	0.22	0.18	0.16	0.17	0.12	0.16	0.13	0.14	0.20	0.13	0.18
98th	0.26	0.28	0.22	0.25	0.19	0.18	0.17	0.17	0.16	0.13	0.14	0.20	0.15	0.18
99th	0.28	0.30	0.22	0.26	0.22	0.19	0.17	0.17	0.17	0.14	0.14	0.24	0.15	0.18
Maximum	0.38	0.38	0.29	0.37	0.29	0.24	0.18	0.21	0.17	0.14	0.14	0.24	0.15	0.18

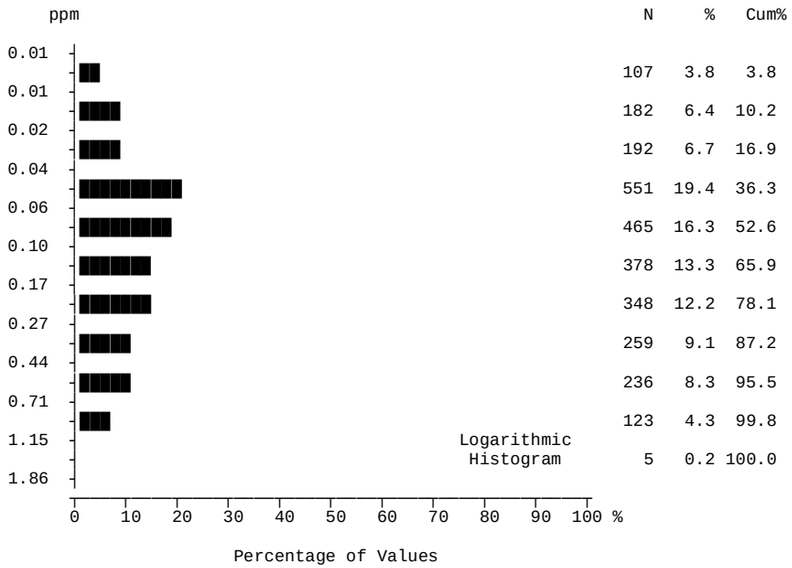
Germanium (Ge)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.05
analytical method : ICPMS

Germanium by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2557	1083	541	368	155	124	81	32	41	42	23	26	14	3
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.19	0.32	0.09	0.13	0.05	0.15	0.11	0.04	0.09	0.11	0.06	0.16	0.08	0.03
Median	0.10	0.24	0.05	0.10	0.04	0.10	0.09	0.02	0.08	0.09	0.04	0.12	0.05	0.02
Mode	0.04	0.09	0.03	0.06	0.04	0.05	0.06	0.02	0.04	0.06	0.03	0.08	0.03	0.02
Range	1.32	1.32	1.14	0.76	0.28	0.65	0.96	0.20	0.24	0.28	0.16	0.64	0.20	0.09
St Dev	0.21	0.26	0.11	0.11	0.04	0.13	0.11	0.03	0.07	0.06	0.04	0.13	0.06	0.03
Coef Var	1.150	0.814	1.240	0.840	0.718	0.923	0.997	0.960	0.713	0.552	0.732	0.823	0.777	0.831
Log Mean	-0.986	-0.675	-1.248	-1.007	-1.402	-0.981	-1.064	-1.577	-1.150	-1.044	-1.354	-0.898	-1.219	-1.589
Geo Mean	0.10	0.21	0.06	0.10	0.04	0.10	0.09	0.03	0.07	0.09	0.04	0.13	0.06	0.03
Log StDv	0.484	0.445	0.391	0.361	0.301	0.352	0.314	0.318	0.338	0.269	0.285	0.301	0.316	0.280
Log CVar	-0.491	-0.660	-0.314	-0.359	-0.215	-0.359	-0.295	-0.202	-0.294	-0.257	-0.211	-0.336	-0.259	-0.176
Percntls														
Minimum	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01
10th	0.02	0.05	0.02	0.03	0.01	0.04	0.03	0.01	0.03	0.04	0.02	0.07	0.03	0.01
20th	0.04	0.09	0.03	0.05	0.02	0.05	0.05	0.01	0.04	0.06	0.02	0.08	0.03	0.02
30th	0.05	0.13	0.04	0.07	0.03	0.06	0.06	0.02	0.05	0.07	0.03	0.08	0.04	0.02
40th	0.07	0.18	0.04	0.08	0.04	0.08	0.07	0.02	0.05	0.08	0.03	0.11	0.04	0.02
50th	0.10	0.24	0.05	0.10	0.04	0.10	0.09	0.02	0.08	0.09	0.04	0.12	0.05	0.02
60th	0.13	0.33	0.07	0.12	0.05	0.12	0.11	0.03	0.09	0.10	0.04	0.12	0.06	0.02
70th	0.19	0.42	0.08	0.15	0.06	0.16	0.13	0.03	0.11	0.14	0.06	0.17	0.10	0.02
80th	0.29	0.56	0.11	0.19	0.07	0.23	0.15	0.05	0.14	0.15	0.08	0.21	0.12	0.04
85th	0.39	0.63	0.14	0.23	0.08	0.25	0.17	0.06	0.17	0.17	0.09	0.24	0.15	0.05
90th	0.51	0.72	0.18	0.28	0.08	0.28	0.21	0.08	0.21	0.18	0.09	0.26	0.17	0.05
95th	0.69	0.83	0.25	0.37	0.11	0.46	0.24	0.11	0.24	0.18	0.14	0.40	0.17	0.10
98th	0.84	0.96	0.45	0.46	0.15	0.61	0.25	0.13	0.24	0.24	0.14	0.40	0.22	0.10
99th	0.91	1.04	0.55	0.53	0.17	0.64	0.27	0.13	0.25	0.29	0.18	0.66	0.22	0.10
Maximum	1.33	1.33	1.15	0.77	0.29	0.67	0.97	0.21	0.25	0.29	0.18	0.66	0.22	0.10

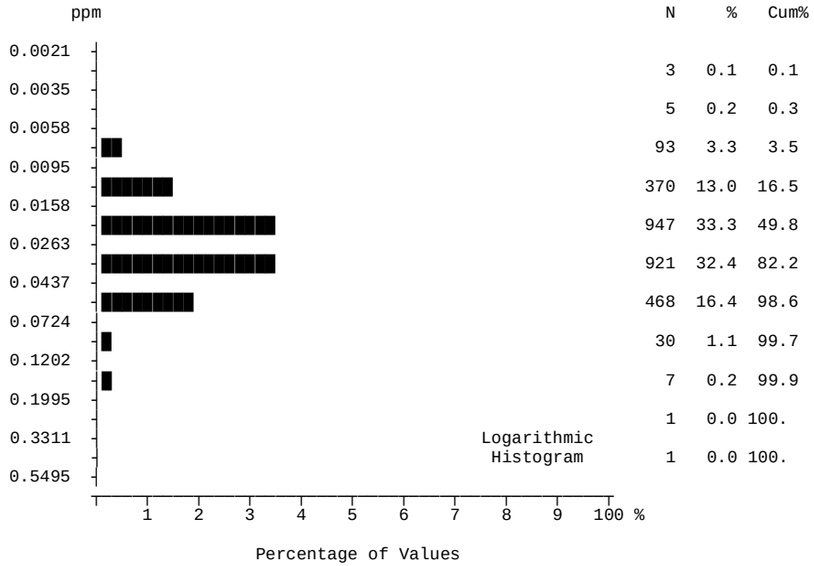
Hafnium (Hf)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.02
analytical method : ICPMS

Hafnium by ICPMS

Summary Statistics



ppm	N	%	Cum%
0.0021	3	0.1	0.1
0.0035	5	0.2	0.3
0.0058	93	3.3	3.5
0.0095	370	13.0	16.5
0.0158	947	33.3	49.8
0.0263	921	32.4	82.2
0.0437	468	16.4	98.6
0.0724	30	1.1	99.7
0.1202	7	0.2	99.9
0.1995	1	0.0	100.
0.3311	1	0.0	100.
0.5495			

	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2838	1121	649	389	199	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.03	0.04	0.02	0.04	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.01
Median	0.03	0.03	0.02	0.04	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.01
Mode	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.01	0.01
Range	0.4375	0.4340	0.1885	0.1330	0.3120	0.0630	0.0510	0.0240	0.0450	0.0190	0.0200	0.0510	0.0220	0.0190
St Dev	0.02	0.02	0.01	0.02	0.02	0.01	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.01
Coef Var	0.617	0.556	0.647	0.418	1.019	0.429	0.430	0.276	0.373	0.251	0.262	0.344	0.374	0.618
Log Mean	-1.585	-1.503	-1.723	-1.423	-1.715	-1.572	-1.646	-1.766	-1.623	-1.754	-1.697	-1.502	-1.724	-2.072
Geo Mean	0.03	0.03	0.02	0.04	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.01
Log StDv	0.235	0.209	0.229	0.178	0.192	0.186	0.184	0.119	0.158	0.114	0.125	0.154	0.154	0.200
Log CVar	-0.148	-0.139	-0.133	-0.125	-0.112	-0.119	-0.112	-0.067	-0.980	-0.065	-0.074	-0.103	-0.089	-0.097
Percntls														
Minimum	0.0025	0.006	0.0025	0.011	0.005	0.008	0.007	0.008	0.012	0.010	0.009	0.013	0.011	0.006
10th	0.013	0.016	0.010	0.023	0.011	0.015	0.014	0.012	0.014	0.011	0.014	0.021	0.014	0.006
20th	0.017	0.021	0.013	0.027	0.014	0.019	0.016	0.013	0.017	0.014	0.016	0.025	0.014	0.006
30th	0.019	0.026	0.015	0.031	0.016	0.021	0.017	0.015	0.019	0.015	0.017	0.028	0.015	0.006
40th	0.023	0.029	0.017	0.034	0.018	0.024	0.020	0.016	0.023	0.017	0.019	0.029	0.015	0.006
50th	0.027	0.033	0.019	0.039	0.019	0.026	0.022	0.017	0.024	0.018	0.021	0.032	0.019	0.007
60th	0.031	0.038	0.021	0.042	0.021	0.030	0.025	0.018	0.026	0.019	0.023	0.033	0.019	0.007
70th	0.036	0.042	0.025	0.047	0.023	0.033	0.029	0.020	0.029	0.021	0.025	0.037	0.020	0.009
80th	0.042	0.047	0.029	0.053	0.026	0.041	0.033	0.021	0.032	0.022	0.026	0.039	0.028	0.011
85th	0.046	0.049	0.032	0.057	0.028	0.044	0.035	0.022	0.035	0.023	0.026	0.041	0.031	0.012
90th	0.050	0.053	0.036	0.061	0.030	0.047	0.040	0.025	0.037	0.023	0.027	0.047	0.033	0.012
95th	0.058	0.060	0.041	0.068	0.037	0.052	0.044	0.027	0.040	0.024	0.029	0.056	0.033	0.025
98th	0.068	0.068	0.052	0.083	0.044	0.057	0.051	0.032	0.045	0.027	0.029	0.056	0.033	0.025
99th	0.077	0.078	0.073	0.090	0.049	0.063	0.053	0.032	0.057	0.029	0.029	0.064	0.033	0.025
Maximum	0.440	0.440	0.191	0.144	0.317	0.071	0.058	0.032	0.057	0.029	0.029	0.064	0.033	0.025

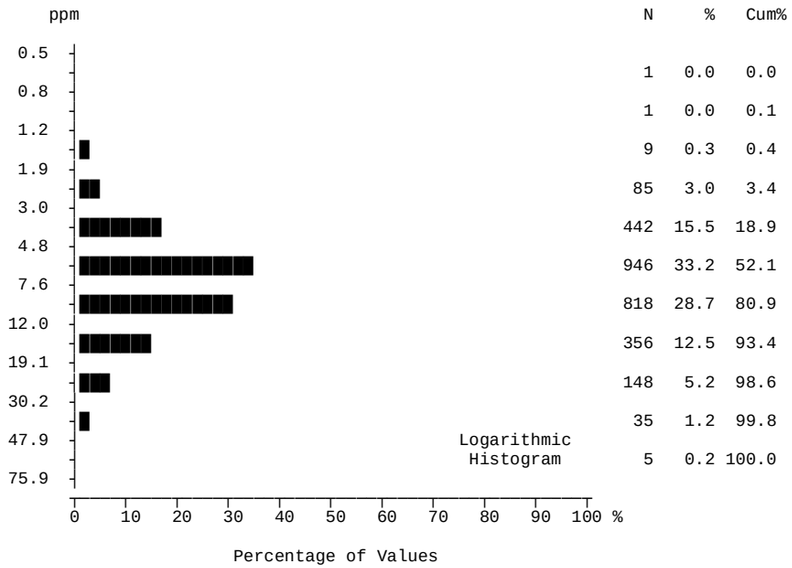
Indium (In)

Stream Sediment

number of values	: 2846
units	: ppm
detection limit	: 0.05
analytical method	: ICPMS

Indium by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	9.05	7.79	6.95	11.38	7.26	14.06	14.53	20.88	12.83	7.50	6.88	14.41	14.67	5.01
Median	7.40	7.00	5.80	10.20	6.30	10.30	13.50	18.80	11.40	6.90	6.50	14.20	14.60	4.20
Mode	5.20	6.20	4.40	7.20	4.60	9.80	7.30	12.90	8.90	8.20	4.80	14.20	5.40	4.20
Range	69.7	62.6	41.7	42.8	18.5	68.1	51.2	45.2	25.3	17.6	10.8	24.6	28.7	8.7
St Dev	6.16	4.27	4.50	5.99	3.64	10.12	7.70	11.32	5.69	3.11	2.49	7.06	9.26	2.56
Coef Var	0.681	0.548	0.648	0.526	0.501	0.720	0.530	0.542	0.443	0.414	0.362	0.490	0.631	0.511
Log Mean	0.884	0.842	0.783	1.003	0.816	1.055	1.107	1.251	1.065	0.847	0.811	1.101	1.088	0.664
Geo Mean	7.66	6.95	6.06	10.08	6.54	11.35	12.81	17.82	11.60	7.03	6.48	12.61	12.24	4.61
Log StDv	0.241	0.205	0.214	0.215	0.193	0.284	0.224	0.259	0.203	0.151	0.152	0.242	0.271	0.173
Log CVar	0.273	0.244	0.273	0.214	0.236	0.270	0.202	0.207	0.191	0.179	0.188	0.220	0.249	0.261
Percntls														
Minimum	0.7	0.7	1.7	2.6	2.5	2.3	3.4	4.2	3.4	3.9	3.4	3.5	5.4	3.0
10th	3.9	3.9	3.5	5.2	3.7	4.8	6.3	8.2	6.2	4.1	3.8	7.0	5.8	3.0
20th	4.8	4.8	4.1	6.9	4.5	6.3	7.6	10.6	8.1	5.4	4.8	7.7	6.4	3.3
30th	5.6	5.5	4.6	8.0	4.8	7.9	10.3	12.9	8.9	5.6	5.1	8.4	6.8	3.5
40th	6.4	6.2	5.2	9.0	5.6	8.7	12.1	17.1	10.8	6.4	5.9	10.6	8.2	3.8
50th	7.4	7.0	5.8	10.2	6.3	10.3	13.5	18.8	11.4	6.9	6.5	14.2	14.6	4.2
60th	8.4	7.9	6.6	11.3	6.8	13.6	15.1	20.8	13.7	7.5	7.3	14.9	14.9	4.2
70th	9.8	8.8	7.3	12.7	7.8	16.0	17.5	25.0	15.0	8.2	7.7	17.8	17.0	4.6
80th	11.9	10.1	8.6	14.8	9.7	22.0	19.8	29.4	16.5	8.9	8.6	20.8	18.6	5.4
85th	13.4	10.9	9.5	17.2	10.6	25.0	20.5	31.6	18.7	9.4	8.9	22.1	26.1	6.4
90th	15.8	12.1	11.1	19.0	12.7	26.6	22.2	39.1	21.4	9.9	9.4	23.8	30.4	6.4
95th	20.8	14.5	14.7	22.7	15.4	30.7	24.7	43.7	23.4	13.2	11.9	27.6	30.4	11.7
98th	27.1	18.6	21.9	27.8	18.0	32.5	28.5	46.6	24.7	13.3	11.9	27.6	34.1	11.7
99th	31.9	22.1	25.2	31.7	19.2	52.5	37.5	46.6	28.7	21.5	14.2	28.1	34.1	11.7
Maximum	70.4	63.3	43.4	45.4	21.0	70.4	54.6	49.4	28.7	21.5	14.2	28.1	34.1	11.7

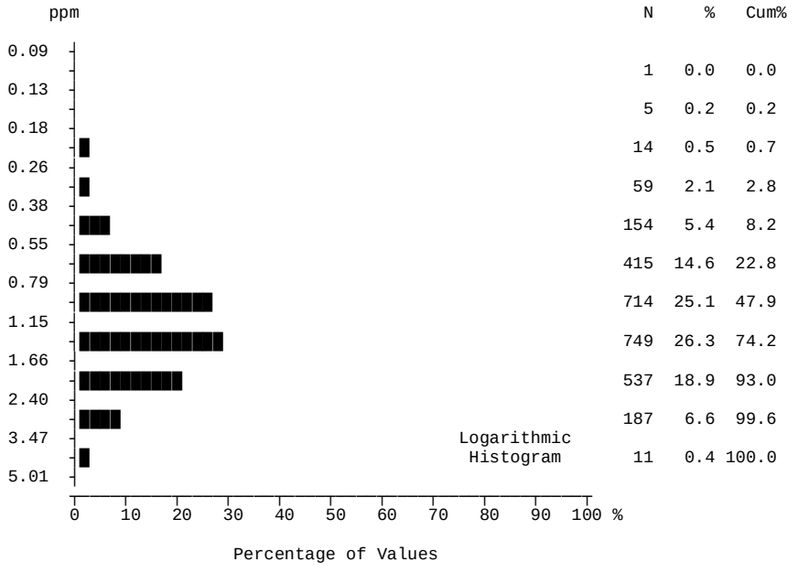
Lithium (Li)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.1
analytical method : ICPMS

Lithium by ICPMS

Summary Statistics



	N	%	Cum%
	1	0.0	0.0
	5	0.2	0.2
	14	0.5	0.7
	59	2.1	2.8
	154	5.4	8.2
	415	14.6	22.8
	714	25.1	47.9
	749	26.3	74.2
	537	18.9	93.0
	187	6.6	99.6
	11	0.4	100.0

	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	1.30	1.62	1.25	0.92	0.86	1.05	1.19	1.24	1.12	1.15	0.95	1.02	0.60	0.96
Median	1.18	1.56	1.19	0.87	0.81	0.97	1.08	1.23	1.02	1.09	0.84	0.94	0.57	0.93
Mode	0.84	1.46	1.26	0.69	0.72	0.87	1.20	0.77	0.65	0.81	0.84	0.64	0.48	0.57
Range	4.29	4.11	2.63	2.68	2.58	2.16	2.82	1.89	2.86	1.19	1.95	1.44	0.75	1.31
St Dev	0.64	0.71	0.49	0.40	0.42	0.44	0.52	0.46	0.56	0.30	0.48	0.32	0.22	0.45
Coef Var	0.493	0.438	0.393	0.432	0.484	0.416	0.433	0.373	0.494	0.264	0.501	0.319	0.370	0.472
Log Mean	0.059	0.163	0.060	-0.077	-0.115	-0.015	0.035	0.058	-0.004	0.046	-0.062	-0.014	-0.246	-0.065
Geo Mean	1.14	1.46	1.15	0.84	0.77	0.97	1.08	1.14	0.99	1.11	0.87	0.97	0.57	0.86
Log StDv	0.226	0.215	0.183	0.196	0.218	0.181	0.192	0.188	0.238	0.114	0.184	0.138	0.152	0.215
Log CVar	3.894	1.317	3.050	-2.546	-1.894	-12.058	5.479	3.239	-59.523	2.485	-3.013	-9.862	-0.620	-3.308
Percntls														
Minimum	0.11	0.29	0.19	0.16	0.11	0.33	0.27	0.22	0.17	0.67	0.46	0.46	0.35	0.43
10th	0.59	0.74	0.65	0.45	0.43	0.54	0.65	0.67	0.48	0.77	0.48	0.64	0.37	0.43
20th	0.75	0.97	0.83	0.59	0.53	0.66	0.77	0.75	0.77	0.86	0.61	0.74	0.39	0.48
30th	0.89	1.18	0.96	0.69	0.62	0.82	0.92	0.92	0.91	0.93	0.69	0.79	0.46	0.57
40th	1.03	1.37	1.08	0.80	0.72	0.88	1.01	1.03	0.97	1.00	0.77	0.85	0.48	0.57
50th	1.18	1.56	1.19	0.87	0.81	0.97	1.08	1.23	1.02	1.09	0.84	0.94	0.57	0.93
60th	1.33	1.77	1.30	0.97	0.87	1.07	1.19	1.43	1.08	1.21	0.86	0.99	0.59	0.95
70th	1.54	1.99	1.45	1.09	0.95	1.17	1.27	1.52	1.24	1.31	0.97	1.21	0.66	1.13
80th	1.82	2.26	1.66	1.22	1.13	1.33	1.53	1.72	1.38	1.42	1.19	1.33	0.73	1.28
85th	1.99	2.41	1.76	1.29	1.22	1.48	1.71	1.79	1.49	1.51	1.35	1.34	0.89	1.49
90th	2.22	2.57	1.95	1.40	1.36	1.71	1.90	1.87	1.87	1.54	1.38	1.34	0.91	1.49
95th	2.52	2.85	2.13	1.59	1.63	1.95	2.27	1.93	2.29	1.64	2.36	1.47	0.91	1.74
98th	2.86	3.21	2.49	1.99	2.06	2.09	2.37	2.04	2.54	1.74	2.36	1.47	1.10	1.74
99th	3.15	3.45	2.63	2.05	2.21	2.17	2.41	2.04	3.03	1.86	2.41	1.90	1.10	1.74
Maximum	4.40	4.40	2.82	2.84	2.69	2.49	3.09	2.11	3.03	1.86	2.41	1.90	1.10	1.74

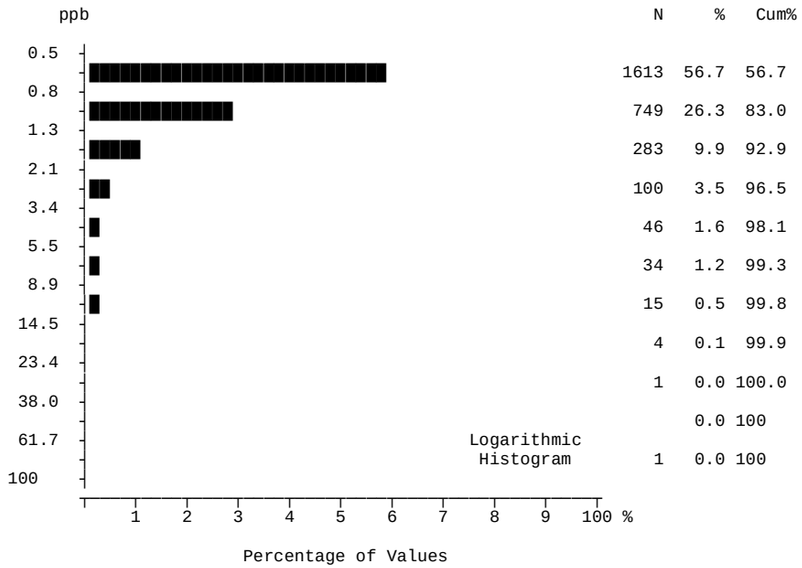
Niobium (Nb)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.05
analytical method : ICPMS

Niobium by ICPMS

Summary Statistics



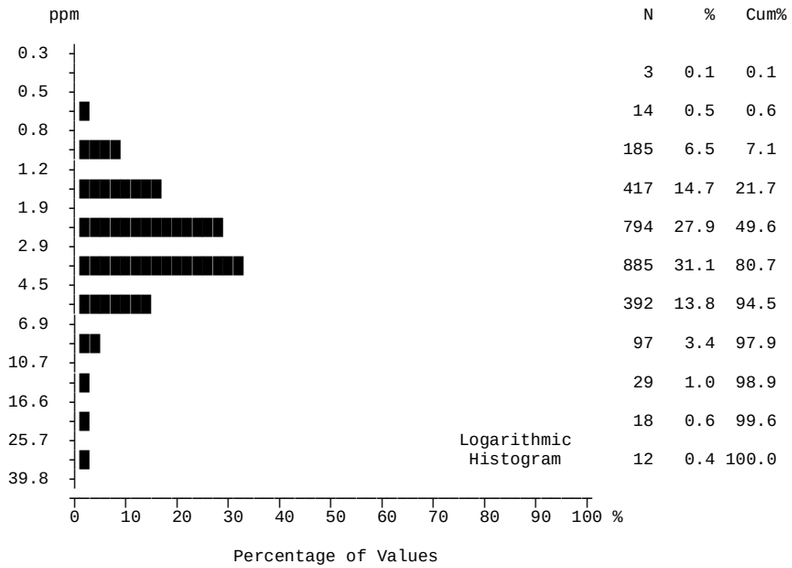
	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	484	240	78	97	26	6	17	1	4	0	6	3	0	1
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	1.12	1.24	0.90	1.52	0.89	1.28	0.94	0.59	0.86	0.56	0.86	0.93	0.53	0.95
Median	0.50	0.50	0.50	1.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00	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	1.00	0.50	0.50
Range	65.5	29.5	12.5	19.5	6.5	65.5	2.5	1.5	2.5	0.5	1.5	1.5	0.5	4.5
St Dev	1.93	1.70	0.98	2.25	0.77	5.89	0.61	0.24	0.52	0.16	0.61	0.45	0.13	1.42
Coef Var	1.721	1.372	1.094	1.482	0.871	4.606	0.654	0.412	0.606	0.291	0.709	0.490	0.242	1.498
Log Mean	-0.095	-0.058	-0.144	-0.002	-0.139	-0.184	-0.104	-0.253	-0.123	-0.266	-0.145	-0.078	-0.281	-0.201
Geo Mean	0.80	0.88	0.72	1.00	0.73	0.65	0.79	0.56	0.75	0.54	0.72	0.84	0.52	0.63
Log StDv	0.290	0.309	0.246	0.341	0.242	0.271	0.244	0.122	0.208	0.980	0.250	0.197	0.078	0.316
Log CVar	-3.051	-5.428	-1.709	-170.374	-1.742	-1.470	-2.349	-0.484	-1.690	-0.367	-1.721	-2.531	-0.278	-1.573
Percntls														
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	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	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	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	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	1	0.5	0.5
50th	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5
60th	1	1	0.5	1	0.5	0.5	1	0.5	1	0.5	0.5	1	0.5	0.5
70th	1	1	1	1	1	0.5	1	0.5	1	0.5	0.5	1	0.5	0.5
80th	1	2	1	2	1	1	1	0.5	1	0.5	1	1	0.5	0.5
85th	2	2	1	2	1	1	2	0.5	1	0.5	2	1	0.5	0.5
90th	2	2	2	3	2	1	2	1	1	1	2	1	0.5	0.5
95th	3	3	2	4	2	1	2	1	2	1	2	2	0.5	5
98th	5	6	3	9	3	2	2	1	2	1	2	2	1	5
99th	8	8	4	13	3	9	2	1	3	1	2	2	1	5
Maximum	66	30	13	20	7	66	3	2	3	1	2	2	1	5

Rhenium (Re)
Stream Sediment

number of values : 2846
units : ppb
detection limit : 1
analytical method : ICPMS

Rhenium by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	3.47	2.47	3.49	4.32	3.24	4.19	4.39	13.59	3.66	3.54	2.83	3.03	3.62	3.01
Median	2.90	2.20	3.10	3.80	3.00	4.00	4.00	12.70	3.60	3.20	2.50	3.10	3.90	2.80
Mode	2.30	2.30	2.50	3.70	1.80	4.90	3.10	1.50	1.60	2.90	2.30	2.40	4.30	1.50
Range	35.0	10.8	23.8	21.3	12.3	10.2	13.2	34.0	7.0	16.2	5.1	3.4	3.9	4.1
St Dev	2.95	1.36	1.89	2.48	1.88	1.87	2.26	10.26	1.73	2.47	1.33	0.88	1.17	1.36
Coef Var	0.848	0.550	0.543	0.573	0.579	0.448	0.514	0.756	0.474	0.698	0.469	0.291	0.322	0.453
Log Mean	0.458	0.336	0.497	0.582	0.457	0.579	0.587	0.963	0.508	0.497	0.406	0.460	0.536	0.441
Geo Mean	2.87	2.17	3.14	3.82	2.86	3.79	3.86	9.17	3.22	3.14	2.55	2.89	3.43	2.76
Log StDv	0.251	0.220	0.194	0.212	0.211	0.197	0.228	0.426	0.235	0.194	0.207	0.146	0.150	0.187
Log CVar	0.547	0.655	0.391	0.365	0.462	0.340	0.389	0.443	0.464	0.389	0.511	0.317	0.280	0.425
Percntls														
Minimum	0.5	0.5	0.7	1.2	0.9	1.4	0.9	1.5	0.6	1.4	0.9	1.3	1.9	1.5
10th	1.4	1.1	1.8	2.0	1.6	1.9	2.3	2.4	1.6	1.7	1.3	1.5	2.0	1.5
20th	1.8	1.4	2.2	2.6	1.9	2.4	2.7	3.1	2.1	2.1	1.7	2.1	2.4	1.7
30th	2.1	1.7	2.5	3.0	2.1	3.2	3.1	4.3	2.4	2.5	2.1	2.4	2.6	1.9
40th	2.5	1.9	2.8	3.4	2.6	3.5	3.5	6.1	2.9	2.8	2.3	2.9	3.1	2.4
50th	2.9	2.2	3.1	3.8	3.0	4.0	4.0	12.7	3.6	3.2	2.5	3.1	3.9	2.8
60th	3.3	2.5	3.5	4.2	3.3	4.4	4.5	15.8	4.0	3.3	2.7	3.2	4.1	2.9
70th	3.7	2.8	3.9	4.8	3.5	4.9	5.0	19.2	4.3	3.7	3.2	3.5	4.3	3.0
80th	4.4	3.3	4.4	5.5	4.0	5.4	5.8	23.5	5.1	4.1	3.6	3.9	4.5	3.2
85th	4.8	3.6	4.7	6.1	4.5	5.8	6.5	26.2	5.6	4.6	4.8	3.9	4.6	5.1
90th	5.6	4.1	5.3	6.9	5.1	6.5	7.6	28.2	6.2	4.9	4.8	4.0	4.9	5.1
95th	7.2	4.9	6.6	8.2	6.3	7.8	9.1	31.1	6.8	5.8	5.1	4.1	4.9	5.6
98th	10.8	6.4	8.1	11.0	8.4	8.4	9.5	33.3	7.0	6.6	5.1	4.1	5.8	5.6
99th	17.5	7.3	10.1	14.7	12.9	10.2	9.6	33.3	7.6	17.6	6.0	4.7	5.8	5.6
Maximum	35.5	11.3	24.5	22.5	13.2	11.6	14.1	35.5	7.6	17.6	6.0	4.7	5.8	5.6

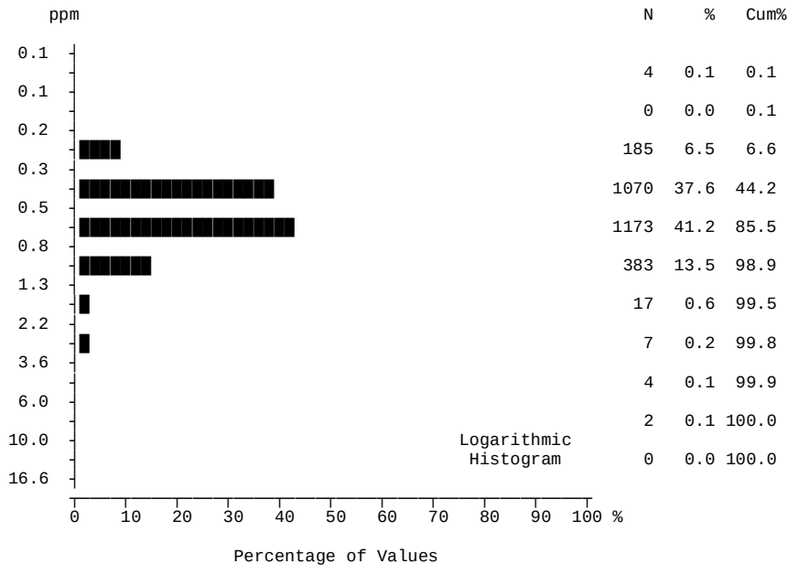
Rubidium (Rb)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.1
analytical method : ICPMS

Rubidium by ICPMS

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2657	1096	583	386	163	121	73	58	42	40	22	27	13	5
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	0.54	0.61	0.48	0.61	0.48	0.47	0.37	0.38	0.38	0.40	0.35	0.57	0.36	0.29
Median	0.50	0.60	0.40	0.60	0.40	0.40	0.30	0.40	0.40	0.40	0.40	0.50	0.30	0.20
Mode	0.40	0.40	0.30	0.50	0.30	0.40	0.30	0.40	0.30	0.30	0.40	0.50	0.30	0.20
Range	16.6	16.6	7.6	2.0	5.1	1.9	1.0	0.4	0.5	0.8	0.4	0.7	0.5	0.5
St Dev	0.46	0.55	0.48	0.22	0.51	0.24	0.16	0.12	0.10	0.16	0.11	0.19	0.12	0.15
Coef Var	0.847	0.899	0.995	0.354	1.057	0.498	0.436	0.317	0.273	0.385	0.322	0.332	0.345	0.525
Log Mean	-0.320	-0.256	-0.382	-0.240	-0.408	-0.362	-0.466	-0.441	-0.441	-0.418	-0.481	-0.268	-0.465	-0.574
Geo Mean	0.48	0.56	0.41	0.58	0.39	0.43	0.34	0.36	0.36	0.38	0.33	0.54	0.34	0.27
Log StDv	0.195	0.170	0.206	0.145	0.237	0.168	0.155	0.147	0.118	0.146	0.148	0.138	0.140	0.171
Log CVar	-0.612	-0.666	-0.538	-0.604	-0.583	-0.464	-0.334	-0.335	-0.268	-0.349	-0.307	-0.514	-0.301	-0.298
Percntls														
Minimum	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
10th	0.3	0.3	0.2	0.4	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.4	0.2	0.2
20th	0.3	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.4	0.3	0.2
30th	0.4	0.5	0.3	0.5	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.5	0.3	0.2
40th	0.4	0.5	0.4	0.5	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.5	0.3	0.2
50th	0.5	0.6	0.4	0.6	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.5	0.3	0.2
60th	0.5	0.6	0.4	0.6	0.4	0.5	0.3	0.4	0.4	0.4	0.4	0.5	0.4	0.3
70th	0.6	0.7	0.5	0.7	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.6	0.4	0.3
80th	0.7	0.8	0.6	0.8	0.6	0.6	0.4	0.5	0.4	0.5	0.4	0.7	0.4	0.3
85th	0.7	0.8	0.6	0.8	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.7	0.4	0.3
90th	0.8	0.8	0.7	0.9	0.8	0.7	0.5	0.5	0.5	0.5	0.5	0.8	0.5	0.3
95th	0.9	0.9	0.8	0.9	0.9	0.8	0.7	0.6	0.5	0.6	0.5	1.0	0.5	0.7
98th	1.1	1.0	1.2	1.1	1.2	1.0	0.8	0.6	0.6	0.9	0.5	1.0	0.7	0.7
99th	1.4	1.2	1.7	1.2	2.5	1.4	0.8	0.6	0.7	1.0	0.6	1.0	0.7	0.7
Maximum	16.7	16.7	7.7	2.2	5.3	2.1	1.2	0.6	0.7	1.0	0.6	1.0	0.7	0.7

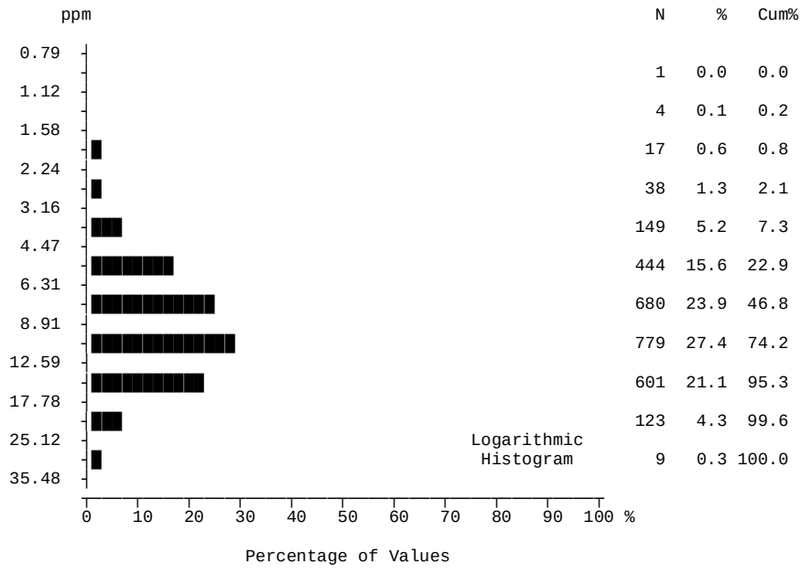
Tin (Sn)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.2
analytical method : ICPMS

Tin by ICPMS

Summary Statistics



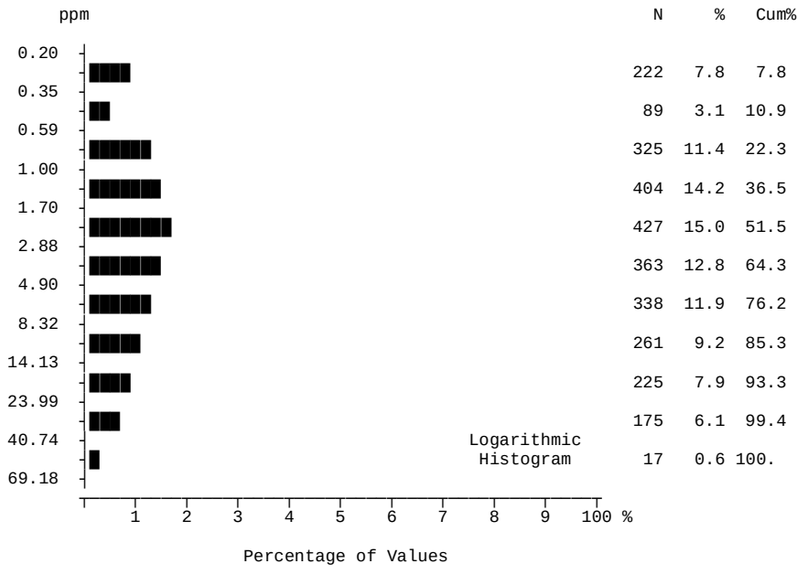
	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	9.96	11.53	8.16	12.54	6.94	8.88	8.78	5.66	9.15	7.40	7.37	9.51	6.74	3.94
Median	9.33	11.35	7.42	11.80	6.25	8.17	8.32	5.74	8.65	6.65	6.70	8.21	4.74	3.38
Mode	11.75	11.75	6.07	10.85	3.68	10.45	5.42	3.90	4.82	4.30	4.41	2.91	3.20	3.38
Range	35.62	35.53	24.92	30.51	17.48	18.32	14.66	11.29	14.24	12.27	8.24	18.29	21.10	8.11
St Dev	4.39	4.28	3.64	4.31	2.76	3.45	2.76	2.22	3.43	2.87	2.26	4.25	5.34	2.38
Coef Var	0.441	0.371	0.446	0.344	0.397	0.388	0.315	0.392	0.375	0.388	0.307	0.447	0.792	0.605
Log Mean	0.953	1.027	0.871	1.072	0.809	0.918	0.923	0.718	0.931	0.840	0.848	0.938	0.756	0.539
Geo Mean	8.98	10.65	7.42	11.82	6.44	8.28	8.38	5.22	8.53	6.92	7.05	8.68	5.70	3.46
Log StDv	0.205	0.184	0.192	0.154	0.169	0.163	0.133	0.183	0.169	0.158	0.131	0.191	0.230	0.223
Log CVar	0.215	0.179	0.221	0.143	0.210	0.178	0.144	0.255	0.182	0.188	0.154	0.204	0.305	0.413
Percntls														
Minimum	1.08	1.17	1.08	3.69	1.62	3.28	3.19	1.76	2.41	3.38	4.41	2.91	3.20	1.78
10th	4.92	6.11	4.27	7.90	3.81	5.10	6.01	2.70	5.15	4.30	4.72	5.06	3.53	1.78
20th	6.04	7.72	5.31	9.05	4.90	5.83	6.60	3.82	6.48	5.05	5.35	6.07	3.87	1.96
30th	7.09	9.14	5.99	10.10	5.37	6.64	7.32	4.43	7.14	5.38	5.69	7.05	4.06	2.23
40th	8.20	10.20	6.58	10.95	5.90	7.57	7.67	5.15	7.69	5.83	6.11	7.72	4.43	3.18
50th	9.33	11.35	7.42	11.80	6.25	8.17	8.32	5.74	8.65	6.65	6.70	8.21	4.74	3.38
60th	10.60	12.45	8.22	12.90	6.87	8.94	8.59	6.12	9.32	7.28	7.67	8.69	4.81	3.38
70th	11.95	13.80	9.26	14.15	7.71	10.00	9.33	6.48	9.84	8.32	8.20	10.30	6.81	3.40
80th	13.70	15.30	10.90	16.00	8.90	11.50	10.55	7.02	10.45	9.66	9.54	13.45	7.33	4.95
85th	14.80	15.90	11.80	16.95	9.88	12.00	11.70	7.43	13.60	10.40	9.96	14.40	7.41	5.22
90th	15.95	16.75	13.15	18.05	11.00	14.05	12.55	7.90	15.20	11.65	10.00	15.25	11.85	5.22
95th	17.55	18.55	15.15	20.50	12.40	15.55	13.95	9.41	16.35	11.90	11.25	16.35	11.85	9.89
98th	19.90	20.30	17.85	23.10	13.35	17.00	16.35	11.35	16.45	14.85	11.25	16.35	24.30	9.89
99th	21.50	21.70	18.80	24.60	14.25	19.10	16.90	11.35	16.65	15.65	12.65	21.20	24.30	9.89
Maximum	36.70	36.70	26.00	34.20	19.10	21.60	17.85	13.05	16.65	15.65	12.65	21.20	24.30	9.89

Yttrium (Y)
Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.05
analytical method : ICPMS

Yttrium by ICPMS

Summary Statistics



ppm	N	%	Cum%
0.20	222	7.8	7.8
0.35	89	3.1	10.9
0.59	325	11.4	22.3
1.00	404	14.2	36.5
1.70	427	15.0	51.5
2.88	363	12.8	64.3
4.90	338	11.9	76.2
8.32	261	9.2	85.3
14.13	225	7.9	93.3
23.99	175	6.1	99.4
40.74	17	0.6	100.
69.18			

	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2846	1121	655	389	201	126	85	69	45	43	29	27	15	10
N > DL	2535	1086	525	367	156	122	80	29	39	41	21	27	13	3
Missing	8	3	3	2	0	0	0	0	0	0	0	0	0	0
Mean	6.49	12.04	2.42	4.16	1.15	5.35	3.17	0.74	2.46	3.16	1.25	5.69	1.99	0.72
Median	2.70	8.10	1.30	2.90	1.00	3.30	2.20	0.25	1.60	2.70	0.70	5.00	1.20	0.25
Mode	0.25	0.25	0.25	2.60	0.25	0.60	0.25	0.25	0.25	1.60	0.50	1.60	0.70	0.25
Range	51.05	51.05	43.55	26.95	6.85	27.45	37.55	4.75	10.25	8.45	5.55	21.60	5.10	2.95
St Dev	8.71	10.90	3.78	4.00	0.89	5.77	4.37	0.84	2.35	2.05	1.20	4.72	1.73	0.91
Coef Var	1.342	0.906	1.560	0.961	0.772	1.078	1.380	1.138	0.955	0.650	0.964	0.829	0.869	1.278
Log Mean	0.456	0.846	0.118	0.440	-0.053	0.491	0.319	-0.309	0.204	0.393	-0.044	0.649	0.154	-0.329
Geo Mean	2.86	7.01	1.31	2.76	0.89	3.10	2.08	0.49	1.60	2.47	0.90	4.46	1.43	0.47
Log StDv	0.583	0.517	0.462	0.416	0.325	0.478	0.395	0.361	0.426	0.337	0.342	0.298	0.364	0.368
Log CVar	1.278	0.611	3.916	0.946	-6.254	0.973	1.241	-1.174	2.089	0.859	-7.764	0.459	2.362	-1.122
Percntls														
Minimum	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.6	0.5	0.25
10th	0.5	1.3	0.25	0.8	0.25	0.7	0.7	0.25	0.5	0.8	0.25	1.7	0.5	0.25
20th	0.8	2.5	0.6	1.2	0.5	1.1	1.1	0.25	0.7	1.4	0.5	2.1	0.7	0.25
30th	1.3	4.0	0.7	1.8	0.7	1.7	1.4	0.25	0.9	1.6	0.6	2.7	0.7	0.25
40th	1.9	5.8	1.0	2.3	0.8	2.2	1.7	0.25	1.2	2.0	0.7	3.5	0.9	0.25
50th	2.7	8.1	1.3	2.9	1.0	3.3	2.2	0.25	1.6	2.7	0.7	5.0	1.2	0.25
60th	4.0	11.6	1.7	3.6	1.1	4.0	2.6	0.6	2.0	3.4	0.9	5.2	1.5	0.5
70th	6.1	16.5	2.1	4.6	1.3	5.4	3.6	0.7	2.8	4.4	1.5	6.3	2.3	0.5
80th	10.0	21.9	3.1	6.4	1.6	8.9	4.2	1.0	3.2	4.9	1.6	7.4	3.2	0.6
85th	13.7	24.9	4.1	7.3	1.8	11.2	4.6	1.3	4.8	5.2	1.8	7.8	4.6	1.1
90th	19.6	28.4	5.5	9.0	2.1	12.6	5.3	1.7	6.3	5.6	2.3	8.8	4.8	1.1
95th	26.7	34.2	8.0	12.5	2.7	19.3	9.0	2.4	6.7	6.0	3.7	14.3	4.8	3.2
98th	34.3	39.6	14.2	16.6	3.3	20.6	9.2	3.4	8.3	8.6	3.7	14.3	5.6	3.2
99th	38.6	41.6	17.8	21.0	4.0	25.5	9.7	3.4	10.5	8.7	5.8	23.2	5.6	3.2
Maximum	51.3	51.3	43.8	27.2	7.1	27.7	37.8	5.0	10.5	8.7	5.8	23.2	5.6	3.2

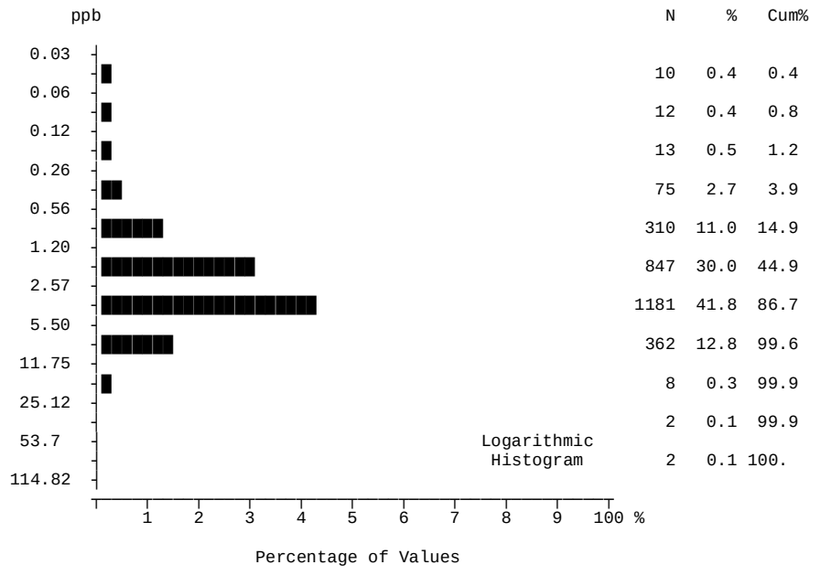
Zirconium (Zr)

Stream Sediment

number of values : 2846
units : ppm
detection limit : 0.5
analytical method : ICPMS

Zirconium by ICPMS

Summary Statistics



ppb	N	%	Cum%
0.03	10	0.4	0.4
0.06	12	0.4	0.8
0.12	13	0.5	1.2
0.26	75	2.7	3.9
0.56	310	11.0	14.9
1.20	847	30.0	44.9
2.57	1181	41.8	86.7
5.50	362	12.8	99.6
11.75	8	0.3	99.9
25.12	2	0.1	99.9
53.7	2	0.1	100.
114.82			

	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2822	1107	652	385	201	125	85	69	45	42	29	27	15	10
N > DL	2800	1106	648	375	196	125	85	68	45	41	29	27	15	10
Missing	32	17	6	6	0	1	0	0	0	1	0	0	0	0
Mean	3.30	4.47	2.40	2.08	2.15	3.44	4.73	1.81	3.17	3.19	3.32	2.12	3.13	5.92
Median	2.80	4.40	2.00	1.80	1.80	3.00	3.50	1.90	3.20	3.20	2.90	1.90	3.00	2.70
Mode	1.90	4.60	2.00	0.70	1.40	3.30	1.60	2.30	2.10	3.70	1.70	1.30	2.10	0.90
Range	97.55	79.85	20.35	7.95	20.55	45.50	97.10	3.70	5.40	6.65	7.50	4.80	6.00	31.00
St Dev	3.24	3.00	1.82	1.44	2.21	4.05	10.36	0.91	1.41	1.30	1.88	1.00	1.82	9.31
Coef Var	0.981	0.672	0.761	0.695	1.028	1.179	2.192	0.500	0.446	0.407	0.567	0.472	0.583	1.573
Log Mean	0.405	0.595	0.273	0.197	0.191	0.453	0.515	0.178	0.452	0.439	0.455	0.289	0.418	0.507
Geo Mean	2.54	3.94	1.87	1.58	1.55	2.84	3.27	1.51	2.83	2.75	2.85	1.95	2.62	3.22
Log StDv	0.341	0.231	0.323	0.369	0.382	0.248	0.296	0.308	0.221	0.326	0.250	0.176	0.279	0.449
Log CVar	0.843	0.388	1.188	1.876	2.009	0.548	0.574	1.728	0.491	0.744	0.550	0.612	0.669	0.886
Percntls														
Minimum	0.05	0.05	0.05	0.05	0.05	0.3	0.5	0.1	0.7	0.05	0.7	0.9	0.9	0.9
10th	1.0	1.9	0.7	0.6	0.5	1.6	1.6	0.5	1.5	1.4	1.6	1.3	1.1	0.9
20th	1.5	2.7	1.1	0.9	1.0	2.0	1.9	0.9	1.7	2.0	1.7	1.3	1.2	1.0
30th	1.9	3.4	1.4	1.2	1.3	2.3	2.7	1.1	2.1	2.4	1.9	1.5	2.1	1.8
40th	2.3	3.9	1.7	1.5	1.5	2.7	3.3	1.6	2.8	3.0	2.6	1.8	2.1	2.1
50th	2.8	4.4	2.0	1.8	1.8	3.0	3.5	1.9	3.2	3.2	2.9	1.9	3.0	2.7
60th	3.4	4.8	2.4	2.1	2.0	3.3	3.9	2.1	3.4	3.6	3.0	2.0	3.0	2.9
70th	4.1	5.2	2.8	2.4	2.3	3.6	4.3	2.3	3.7	3.8	3.9	2.2	4.0	4.3
80th	4.8	5.8	3.4	3.0	2.8	4.1	4.7	2.5	4.6	4.1	4.3	2.6	4.9	4.7
85th	5.3	6.2	3.7	3.3	3.3	4.4	5.0	2.8	4.7	4.4	5.1	2.7	5.0	6.9
90th	5.8	6.8	4.3	4.1	3.7	4.9	5.6	3.0	5.3	4.6	5.8	3.3	5.3	6.9
95th	6.9	7.7	5.3	4.9	4.8	5.8	7.0	3.4	5.6	5.2	7.8	3.7	5.3	31.9
98th	8.2	8.7	6.9	6.3	5.7	6.1	10.4	3.6	6.0	5.3	7.8	3.7	6.9	31.9
99th	9.3	9.4	9.3	7.0	9.8	8.9	10.8	3.6	6.1	6.7	8.2	5.7	6.9	31.9
Maximum	97.6	79.9	20.4	8.0	20.6	45.8	97.6	3.8	6.1	6.7	8.2	5.7	6.9	31.9

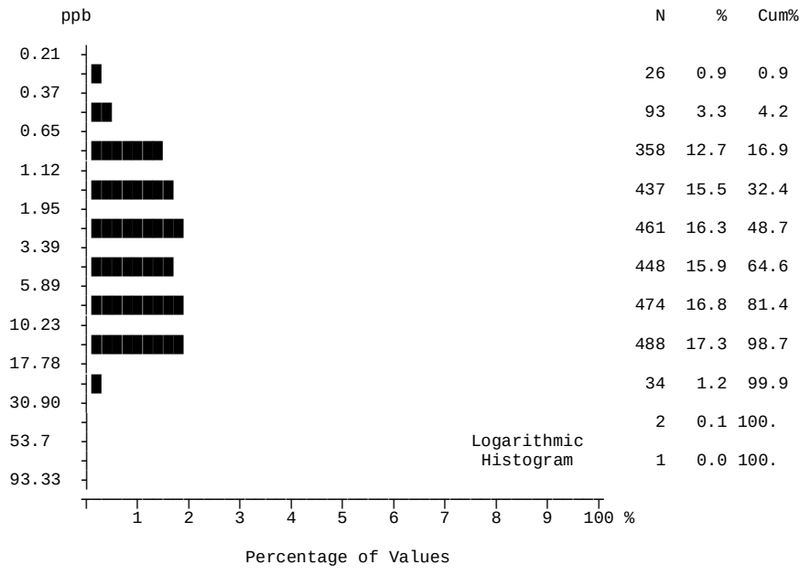
Platinum (Pt)

Stream Sediment

number of values	: 2822
units	: ppb
detection limit	: 0.1
analytical method	: FA

Platinum by FA

Summary Statistics



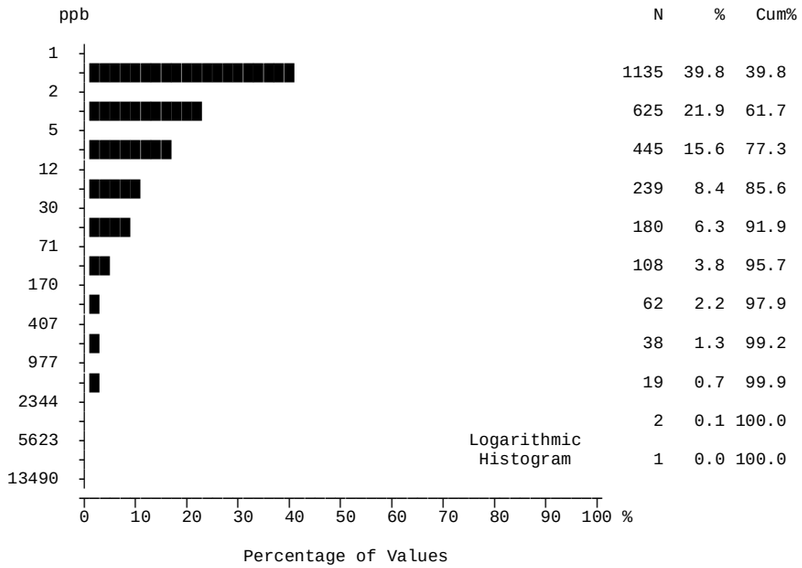
	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2822	1107	652	385	201	125	85	69	45	42	29	27	15	10
N > DL	2756	1104	621	369	187	125	85	69	45	42	28	27	15	10
Missing	32	17	6	6	0	1	0	0	0	1	0	0	0	0
Mean	5.35	8.80	3.55	1.88	1.92	4.66	5.18	1.83	5.66	3.15	4.49	2.08	2.60	7.11
Median	3.50	9.00	2.20	1.40	1.40	4.20	4.50	1.40	4.40	3.00	4.00	1.90	2.20	1.40
Mode	0.90	10.40	0.90	0.80	0.70	3.40	3.40	0.90	4.90	2.30	1.10	1.00	1.60	1.40
Range	68.65	68.65	36.55	10.55	9.25	13.40	14.00	6.20	19.80	5.10	17.60	5.80	6.30	52.70
St Dev	4.97	5.19	3.65	1.62	1.59	2.52	3.05	1.26	3.97	1.10	3.68	1.19	1.56	16.37
Coef Var	0.928	0.590	1.029	0.865	0.827	0.540	0.589	0.687	0.700	0.348	0.820	0.574	0.600	2.302
Log Mean	0.534	0.848	0.360	0.165	0.166	0.605	0.649	0.194	0.656	0.477	0.510	0.266	0.356	0.366
Geo Mean	3.42	7.05	2.29	1.46	1.46	4.02	4.45	1.56	4.53	3.00	3.24	1.85	2.27	2.32
Log StDv	0.436	0.325	0.412	0.292	0.318	0.249	0.239	0.229	0.301	0.135	0.379	0.206	0.228	0.530
Log CVar	0.819	0.384	1.147	1.781	1.925	0.411	0.369	1.179	0.459	0.283	0.744	0.776	0.641	1.449
Percntls														
Minimum	0.25	0.25	0.25	0.25	0.25	0.6	1.0	0.7	1.1	1.7	0.5	0.9	0.8	0.8
10th	0.9	2.3	0.7	0.7	0.6	1.9	2.2	0.9	1.6	2.0	0.9	1.0	1.3	0.8
20th	1.3	3.8	1.0	0.8	0.7	2.7	2.8	1.0	2.7	2.3	1.2	1.1	1.6	1.2
30th	1.8	5.4	1.3	1.0	1.0	3.3	3.4	1.1	3.4	2.6	2.0	1.3	1.7	1.3
40th	2.5	7.2	1.7	1.1	1.2	3.6	3.7	1.2	3.8	2.7	3.0	1.6	2.0	1.4
50th	3.5	9.0	2.2	1.4	1.4	4.2	4.5	1.4	4.4	3.0	4.0	1.9	2.2	1.4
60th	4.9	10.4	2.8	1.6	1.7	4.7	4.9	1.7	4.9	3.1	4.2	2.0	2.4	1.7
70th	6.9	11.7	3.9	1.9	2.0	5.1	5.4	1.9	7.0	3.4	5.1	2.3	2.6	1.7
80th	9.8	12.8	5.8	2.5	2.5	6.5	6.6	2.2	8.8	3.6	6.6	2.8	2.7	2.0
85th	11.2	13.6	6.9	3.0	3.2	6.9	8.0	2.6	9.5	3.9	6.8	2.8	4.0	6.1
90th	12.5	14.7	8.8	3.7	3.9	8.3	10.0	3.2	10.5	4.1	7.3	3.2	4.4	6.1
95th	14.3	16.1	11.0	5.1	5.4	9.8	12.3	4.4	12.3	5.7	10.3	3.5	4.4	53.5
98th	16.5	18.8	13.4	7.6	6.2	11.2	13.1	6.9	14.1	5.8	10.3	3.5	7.1	53.5
99th	18.7	21.4	14.2	8.4	6.6	11.6	13.6	6.9	20.9	6.8	18.1	6.7	7.1	53.5
Maximum	68.9	68.9	36.8	10.8	9.5	14.0	15.0	6.9	20.9	6.8	18.1	6.7	7.1	53.5

Palladium (Pd)
Stream Sediment

number of values : 2822
units : ppb
detection limit : 0.5
analytical method : FA

Palladium by FA

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2854	1124	658	391	201	126	85	69	45	43	29	27	15	10
N > DL	1719	825	297	192	97	82	70	41	37	27	16	3	10	1
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	38.8	42.6	32.4	27.4	23.8	35.4	104.8	65.7	36.4	40.5	16.9	2.0	24.1	6.7
Median	4.0	5.0	2.0	2.0	2.0	4.0	10.0	4.0	7.0	3.0	3.0	1.0	4.0	1.0
Mode	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	3.0	1.0	1.0	1.0	2.0	1.0
Range	5799	5799	2199	1079	879	1239	2799	1879	319	599	158	17	193	55
St Dev	198.41	248.24	155.27	93.09	82.53	129.59	363.46	252.14	77.83	103.03	34.66	3.28	53.13	17.33
Coef Var	5.116	5.822	4.794	3.404	3.463	3.662	3.467	3.840	2.138	2.546	2.051	1.641	2.202	2.586
Log Mean	0.708	0.794	0.545	0.654	0.600	0.766	1.142	0.752	0.954	0.785	0.653	0.142	0.775	0.235
Geo Mean	5.1	6.2	3.5	4.5	4.0	5.8	13.9	5.7	9.0	6.1	4.5	1.4	6.0	1.7
Log StDv	0.695	0.642	0.688	0.710	0.675	0.689	0.776	0.830	0.679	0.792	0.649	0.282	0.663	0.546
Log CVar	0.983	0.808	1.264	1.086	1.126	0.899	0.680	1.104	0.712	1.009	0.996	1.988	0.856	2.324
Percntls														
Minimum	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10th	1	1	1	1	1	1	2	1	2	1	1	1	1	1
20th	1	2	1	1	1	1	3	1	3	1	1	1	2	1
30th	2	3	1	1	1	2	5	1	3	2	2	1	2	1
40th	3	4	1	2	2	3	7	2	4	3	2	1	3	1
50th	4	5	2	2	2	4	10	4	7	3	3	1	4	1
60th	5	6	3	4	4	5	15	5	8	6	4	1	5	1
70th	8	8	5	9	6	10	27	8	16	7	5	1	9	1
80th	15	15	10	17	12	18	51	20	31	43	11	2	13	2
85th	27	26	16	30	22	24	77	63	41	73	41	2	16	2
90th	54	51	32	57	40	60	172	104	94	128	56	2	100	2
95th	136	128	86	111	136	175	445	186	274	184	78	4	100	56
98th	420	420	440	280	256	345	1200	800	284	250	78	4	194	56
99th	800	800	813	424	300	505	1320	800	320	600	159	18	194	56
Maximum	5800	5800	2200	1080	880	1240	2800	1880	320	600	159	18	194	56

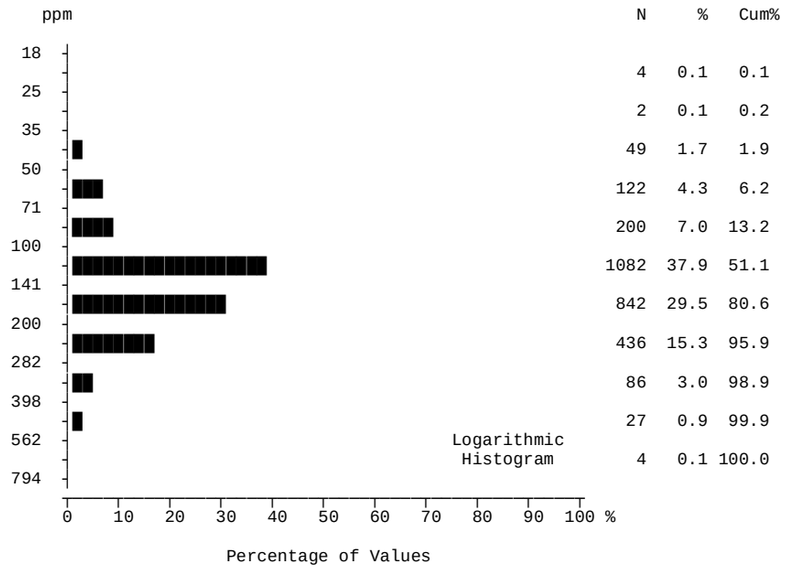
Gold (Au)

Stream Sediment

number of values	: 2854
units	: ppb
detection limit	: 2
analytical method	: FA

Gold by Fa

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2854	1124	658	391	201	126	85	69	45	43	29	27	15	10
N > DL	2830	1104	656	390	201	125	85	69	45	43	29	27	15	10
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	154.7	137.6	161.9	191.5	160.2	136.6	171.9	164.5	156.9	137.9	156.9	157.8	135.3	144.0
Median	140.0	120.0	150.0	180.0	160.0	130.0	170.0	160.0	160.0	130.0	140.0	160.0	140.0	140.0
Mode	120.0	120.0	140.0	160.0	160.0	110.0	160.0	130.0	160.0	120.0	130.0	160.0	140.0	120.0
Range	680	600	680	540	460	310	250	160	210	270	240	100	100	130
St Dev	66.85	74.17	62.40	62.56	57.85	41.50	45.92	33.98	43.63	39.43	52.65	23.59	30.44	34.38
Coef Var	0.432	0.539	0.385	0.327	0.361	0.304	0.267	0.207	0.278	0.286	0.336	0.150	0.225	0.239
Log Mean	2.154	2.091	2.180	2.261	2.180	2.116	2.220	2.208	2.178	2.129	2.174	2.194	2.121	2.148
Geo Mean	142.5	123.2	151.5	182.5	151.5	130.7	165.8	161.3	150.6	134.7	149.2	156.2	132.1	140.5
Log StDv	0.177	0.199	0.160	0.137	0.146	0.132	0.119	0.085	0.129	0.086	0.139	0.061	0.990	0.102
Log CVar	0.082	0.095	0.073	0.061	0.067	0.063	0.054	0.039	0.059	0.040	0.064	0.028	0.047	0.048
Percntls														
Minimum	20	20	20	20	50	30	70	100	70	100	70	120	90	90
10th	90	70	100	130	100	90	120	130	100	120	100	130	100	90
20th	110	90	120	150	120	100	130	130	120	120	120	140	100	120
30th	120	100	130	160	130	110	150	140	130	120	130	140	120	120
40th	130	110	140	170	140	120	160	150	150	130	130	150	130	130
50th	140	120	150	180	160	130	170	160	160	130	140	160	140	140
60th	160	130	160	200	160	140	180	160	170	140	160	160	140	150
70th	170	150	180	210	180	150	190	180	180	140	170	160	140	150
80th	190	170	200	230	190	170	210	190	190	150	180	170	160	160
85th	210	180	220	240	200	180	220	200	200	150	190	170	170	160
90th	230	210	240	260	210	180	230	210	210	160	220	180	180	160
95th	270	290	270	290	240	200	260	240	220	160	270	220	180	220
98th	340	360	320	350	280	210	260	250	230	160	270	220	190	220
99th	400	460	360	410	390	300	260	250	280	370	310	220	190	220
Maximum	700	620	700	560	510	340	320	260	280	370	310	220	190	220

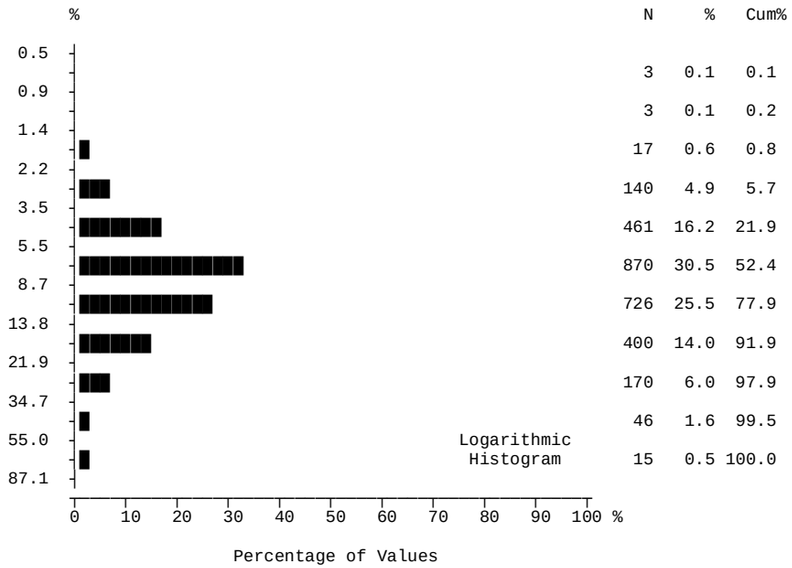
Fluorine (F)

Stream Sediment

number of values	: 2854
units	: ppm
detection limit	: 40
analytical method	: ION

Flourine by ION

Summary Statistics



	N	%	Cum%
0.5	3	0.1	0.1
0.9	3	0.1	0.2
1.4	17	0.6	0.8
2.2	140	4.9	5.7
3.5	461	16.2	21.9
5.5	870	30.5	52.4
8.7	726	25.5	77.9
13.8	400	14.0	91.9
21.9	170	6.0	97.9
34.7	46	1.6	99.5
55.0	15	0.5	100.0
87.1			

	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2851	1122	658	390	201	126	85	69	45	43	29	27	15	10
N > DL	2851	1122	658	390	201	126	85	69	45	43	29	27	15	10
Missing	3	2	0	1	0	0	0	0	0	0	0	0	0	0
Mean	10.78	12.09	10.21	10.38	9.83	8.85	9.87	7.47	9.08	11.48	11.03	7.49	9.07	7.92
Median	8.40	9.40	8.00	8.30	7.50	7.70	7.50	6.20	6.80	8.70	9.00	7.20	6.60	6.20
Mode	7.00	7.00	6.00	7.80	3.20	5.10	6.20	4.20	6.80	6.80	5.20	4.20	6.60	6.20
Range	82.0	81.8	56.6	67.0	43.6	33.6	42.7	25.2	29.7	45.6	30.0	13.4	20.7	14.4
St Dev	8.24	9.12	7.99	7.58	7.44	5.14	7.76	5.04	5.75	8.56	7.65	3.32	6.05	4.41
Coef Var	0.765	0.754	0.782	0.730	0.757	0.581	0.786	0.674	0.633	0.746	0.693	0.444	0.667	0.557
Log Mean	0.942	0.996	0.912	0.938	0.885	0.889	0.905	0.806	0.880	0.973	0.955	0.829	0.893	0.846
Geo Mean	8.75	9.91	8.17	8.67	7.68	7.75	8.03	6.40	7.58	9.39	9.01	6.75	7.82	7.02
Log StDv	0.272	0.265	0.283	0.250	0.305	0.220	0.272	0.230	0.278	0.269	0.278	0.211	0.226	0.220
Log CVar	0.289	0.266	0.310	0.267	0.345	0.247	0.300	0.285	0.316	0.277	0.291	0.255	0.253	0.260
Percntls														
Minimum	0.8	1.0	1.0	1.6	0.8	2.5	0.8	2.4	0.8	2.4	2.8	2.2	4.1	3.2
10th	4.1	4.8	3.6	4.4	3.2	4.1	4.0	3.2	4.4	4.5	4.8	4.2	4.8	3.2
20th	5.2	6.0	4.8	5.4	4.0	5.1	4.9	4.2	5.6	5.8	5.2	4.2	5.0	4.4
30th	6.2	7.0	5.9	6.2	5.4	5.8	5.6	4.6	6.0	6.8	5.6	5.0	6.2	5.0
40th	7.2	8.1	6.8	7.2	6.0	6.9	6.2	5.4	6.7	7.0	6.6	7.0	6.4	6.2
50th	8.4	9.4	8.0	8.3	7.5	7.7	7.5	6.2	6.8	8.7	9.0	7.2	6.6	6.2
60th	9.8	10.8	9.1	9.6	8.8	8.6	9.6	7.1	7.6	10.6	9.4	7.6	6.6	6.6
70th	11.6	13.1	11.1	11.2	10.6	9.6	11.0	7.8	9.8	11.4	10.4	8.2	9.0	7.8
80th	14.6	16.4	14.2	13.4	14.6	11.4	12.9	8.6	12.0	14.8	15.0	10.0	9.2	8.8
85th	16.6	18.6	15.9	15.2	18.4	13.4	13.8	9.8	13.0	20.4	18.6	10.8	13.6	13.4
90th	19.6	22.2	18.6	18.3	20.6	15.8	16.2	11.3	16.2	22.0	21.6	12.2	20.7	13.4
95th	26.5	28.6	25.5	25.4	25.6	17.4	20.9	18.4	21.9	28.6	29.2	13.0	20.7	17.6
98th	35.4	38.2	37.9	33.4	30.6	20.2	37.0	27.3	22.4	28.9	29.2	13.0	24.8	17.6
99th	43.8	53.1	42.8	36.8	31.0	30.9	40.4	27.3	30.5	48.0	32.8	15.6	24.8	17.6
Maximum	82.8	82.8	57.6	68.6	44.4	36.1	43.5	27.6	30.5	48.0	32.8	15.6	24.8	17.6

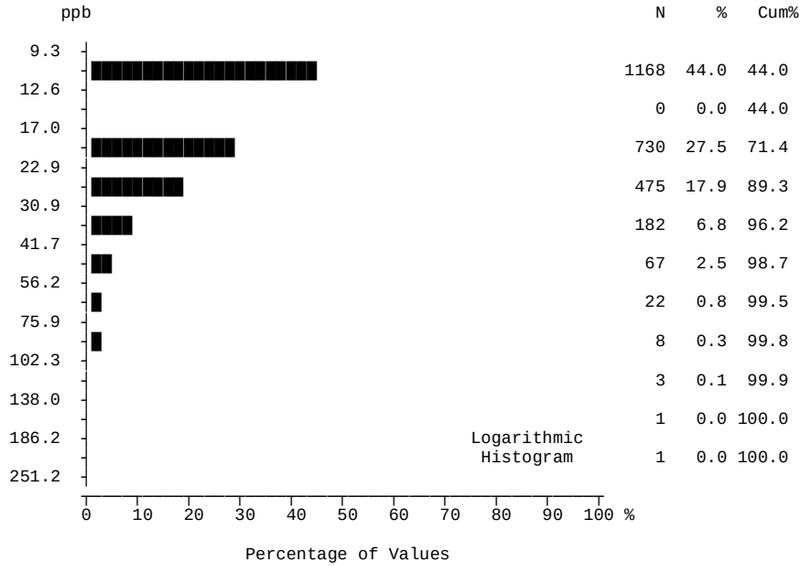
Loss on Ignition (LOI)

Stream Sediment

number of values : 2851
units : %
detection limit : 0.1
analytical method : GRV

Loss on Ignition by GRV

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2657	1051	610	369	187	116	79	65	40	33	26	26	15	10
N > DL	1003	246	244	183	109	72	47	34	23	8	12	7	7	0
Missing	197	73	48	22	14	10	6	4	5	10	3	1	0	0
Mean	19.36	16.23	19.16	23.33	23.33	25.69	24.76	22.31	22.35	16.30	20.38	16.54	20.67	11.00
Median	20.00	10.00	20.00	20.00	22.00	24.00	22.00	22.00	22.00	20.00	20.00	20.00	20.00	10.00
Mode	10.00	10.00	10.00	10.00	10.00	20.00	20.00	20.00	10.00	10.00	10.00	10.00	20.00	10.00
Range	210.0	110.0	58.0	210.0	68.0	158.0	78.0	28.0	44.0	20.0	44.0	22.0	22.0	10.0
St Dev	12.25	9.95	10.45	17.93	11.24	16.28	12.97	7.28	9.90	6.13	10.97	6.63	5.33	3.16
Coef Var	0.633	0.613	0.546	0.769	0.482	0.634	0.524	0.326	0.443	0.376	0.538	0.401	0.258	0.287
Log Mean	1.226	1.156	1.226	1.293	1.320	1.362	1.347	1.321	1.304	1.181	1.253	1.184	1.299	1.030
Geo Mean	16.83	14.32	16.83	19.62	20.90	23.02	22.23	20.93	20.13	15.16	17.90	15.27	19.89	10.72
Log StDv	0.221	0.203	0.218	0.243	0.207	0.195	0.200	0.165	0.209	0.171	0.225	0.179	0.133	0.095
Log CVar	0.181	0.176	0.178	0.188	0.157	0.143	0.149	0.125	0.160	0.145	0.180	0.151	0.102	0.092
Percntls														
Minimum	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
10th	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
20th	10.0	10.0	10.0	10.0	10.0	20.0	20.0	20.0	10.0	10.0	10.0	10.0	20.0	10.0
30th	10.0	10.0	10.0	10.0	20.0	20.0	20.0	20.0	20.0	10.0	10.0	10.0	20.0	10.0
40th	10.0	10.0	10.0	20.0	20.0	22.0	20.0	20.0	20.0	10.0	10.0	10.0	20.0	10.0
50th	20.0	10.0	20.0	20.0	22.0	24.0	22.0	22.0	22.0	20.0	20.0	20.0	20.0	10.0
60th	20.0	20.0	20.0	22.0	24.0	24.0	24.0	24.0	24.0	20.0	22.0	20.0	22.0	10.0
70th	22.0	20.0	24.0	24.0	26.0	26.0	26.0	26.0	26.0	20.0	22.0	20.0	22.0	10.0
80th	26.0	22.0	26.0	30.0	30.0	30.0	28.0	28.0	28.0	22.0	28.0	22.0	24.0	10.0
85th	28.0	24.0	28.0	34.0	32.0	38.0	32.0	30.0	32.0	22.0	28.0	22.0	24.0	10.0
90th	32.0	26.0	30.0	38.0	36.0	40.0	36.0	32.0	34.0	22.0	28.0	22.0	24.0	10.0
95th	38.0	34.0	34.0	46.0	42.0	42.0	48.0	34.0	36.0	24.0	40.0	26.0	24.0	20.0
98th	48.0	40.0	50.0	64.0	52.0	44.0	54.0	34.0	38.0	24.0	40.0	26.0	32.0	20.0
99th	62.0	46.0	62.0	90.0	64.0	56.0	74.0	34.0	54.0	30.0	54.0	32.0	32.0	20.0
Maximum	220.0	120.0	68.0	220.0	78.0	168.0	88.0	38.0	54.0	30.0	54.0	32.0	32.0	20.0

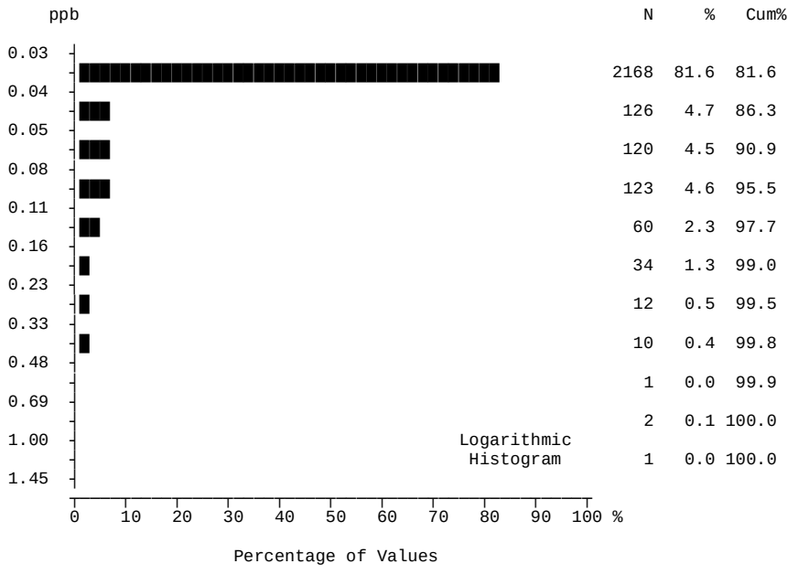
Fluoride (FW)

Stream Water

number of values	: 2657
units	: ppb
detection limit	: 20
analytical method	: ION

Fluoride by ION

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2657	1051	610	369	187	116	79	65	40	33	26	26	15	10
N > DL	363	140	104	42	37	10	14	0	1	1	3	2	3	1
Missing	197	73	48	22	14	10	6	4	5	10	3	1	0	0
Mean	0.04	0.04	0.05	0.04	0.05	0.04	0.04	0.03	0.03	0.03	0.04	0.03	0.04	0.04
Median	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Mode	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Range	1.17	0.75	1.17	0.65	0.39	0.08	0.12	0.00	0.08	0.07	0.12	0.05	0.08	0.03
St Dev	0.05	0.05	0.06	0.05	0.05	0.01	0.03	0.00	0.01	0.01	0.03	0.01	0.02	0.01
Coef Var	1.158	1.164	1.360	1.142	1.016	0.423	0.675	0.000	0.401	0.379	0.754	0.340	0.575	0.309
Log Mean	-1.441	-1.439	-1.425	-1.451	-1.408	-1.477	-1.427	-1.523	-1.498	-1.507	-1.447	-1.495	-1.441	-1.471
Geo Mean	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.03	0.03	0.03	0.04	0.03	0.04	0.03
Log StDv	0.200	0.207	0.217	0.185	0.231	0.124	0.205	0.000	0.100	0.091	0.197	0.100	0.178	0.112
Log CVar	-0.139	-0.144	-0.153	-0.128	-0.164	-0.084	-0.143	0.000	-0.067	-0.060	-0.136	-0.067	-0.124	-0.076
Percntls														
Minimum	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
10th	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
20th	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
30th	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
40th	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
50th	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
60th	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
70th	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
80th	0.03	0.03	0.05	0.03	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
85th	0.05	0.05	0.06	0.05	0.08	0.03	0.07	0.03	0.03	0.03	0.03	0.03	0.06	0.05
90th	0.07	0.06	0.08	0.06	0.10	0.05	0.10	0.03	0.03	0.03	0.05	0.03	0.07	0.05
95th	0.10	0.10	0.11	0.10	0.10	0.07	0.11	0.03	0.05	0.03	0.13	0.06	0.07	0.06
98th	0.16	0.20	0.16	0.12	0.16	0.08	0.12	0.03	0.05	0.03	0.13	0.06	0.11	0.06
99th	0.22	0.26	0.28	0.19	0.24	0.11	0.12	0.03	0.11	0.10	0.15	0.08	0.11	0.06
Maximum	1.20	0.78	1.20	0.68	0.42	0.11	0.15	0.03	0.11	0.10	0.15	0.08	0.11	0.06

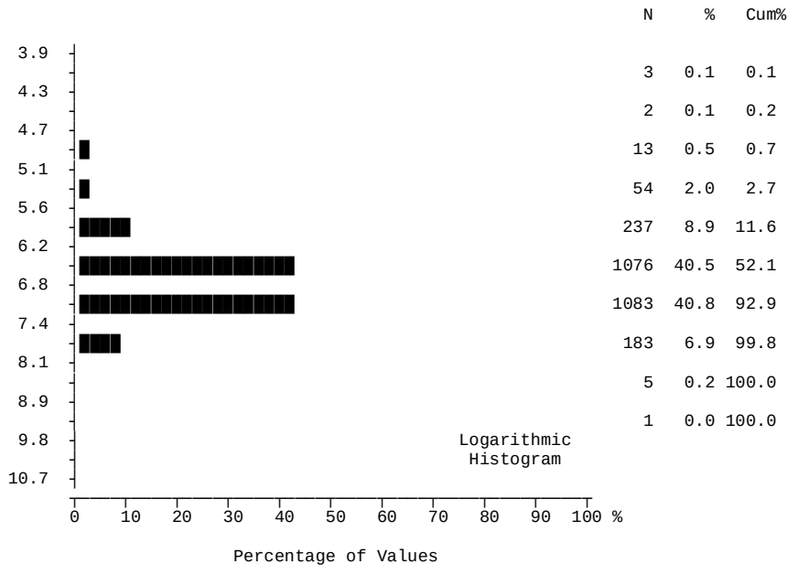
Uranium (UW)

Stream Water

number of values : 2657
units : ppb
detection limit : 0.05
analytical method : LIF

Uranium by LIF

Summary Statistics



	All	muTrVa	EMJgd	lJBn	PzJg	uKNa	DSi	JKLe	CPBt	ETMe	PzJml	KQc	ETCa	Kgd
N	2657	1051	610	369	187	116	79	65	40	33	26	26	15	10
N > DL	2657	1051	610	369	187	116	79	65	40	33	26	26	15	10
Missing	197	73	48	22	14	10	6	4	5	10	3	1	0	0
Mean	6.72	6.84	6.53	6.88	6.56	6.79	7.05	6.14	6.73	6.28	6.70	6.66	6.35	6.46
Median	6.70	6.80	6.50	6.90	6.50	6.70	7.10	6.20	6.70	6.40	6.70	6.60	6.30	6.50
Mode	6.70	6.70	6.70	6.70	6.50	6.70	6.60	6.50	7.00	6.40	6.20	6.60	5.90	6.60
Range	5.3	5.3	4.1	4.8	2.5	2.9	2.1	2.4	1.4	1.4	2.4	1.0	1.7	0.5
St Dev	0.52	0.51	0.51	0.46	0.46	0.41	0.43	0.59	0.32	0.34	0.55	0.28	0.51	0.18
Coef Var	0.078	0.074	0.079	0.066	0.071	0.061	0.061	0.096	0.048	0.053	0.082	0.042	0.080	0.027
Log Mean	0.826	0.834	0.813	0.836	0.816	0.831	0.848	0.786	0.828	0.798	0.825	0.823	0.802	0.810
Geo Mean	6.70	6.82	6.51	6.86	6.55	6.78	7.04	6.11	6.72	6.28	6.68	6.66	6.33	6.46
Log StDv	0.035	0.033	0.035	0.031	0.031	0.026	0.027	0.043	0.021	0.024	0.036	0.018	0.035	0.012
Log CVar	0.042	0.040	0.043	0.037	0.038	0.031	0.032	0.055	0.025	0.030	0.044	0.022	0.043	0.015
Percntls														
Minimum	3.9	3.9	4.4	3.9	5.3	5.7	5.7	4.8	6.1	5.4	5.3	6.2	5.5	6.2
10th	6.1	6.2	5.9	6.4	6.0	6.4	6.5	5.3	6.2	5.7	6.2	6.3	5.8	6.2
20th	6.3	6.4	6.2	6.5	6.1	6.5	6.6	5.5	6.4	6.0	6.2	6.4	5.9	6.2
30th	6.5	6.6	6.3	6.7	6.3	6.6	6.8	6.0	6.6	6.1	6.3	6.5	6.0	6.3
40th	6.6	6.7	6.4	6.8	6.4	6.7	6.9	6.1	6.7	6.3	6.6	6.6	6.1	6.4
50th	6.7	6.8	6.5	6.9	6.5	6.7	7.1	6.2	6.7	6.4	6.7	6.6	6.3	6.5
60th	6.8	7.0	6.7	7.0	6.6	6.8	7.2	6.4	6.9	6.4	6.8	6.6	6.4	6.5
70th	7.0	7.1	6.8	7.1	6.8	6.9	7.3	6.5	6.9	6.5	6.9	6.7	6.7	6.6
80th	7.1	7.2	6.9	7.2	7.0	7.1	7.4	6.6	7.0	6.5	7.2	7.0	6.8	6.6
85th	7.2	7.3	7.0	7.3	7.0	7.2	7.5	6.6	7.0	6.6	7.2	7.0	6.9	6.6
90th	7.4	7.5	7.1	7.4	7.2	7.3	7.6	6.7	7.0	6.6	7.4	7.0	7.1	6.6
95th	7.5	7.7	7.3	7.5	7.4	7.5	7.7	7.0	7.1	6.7	7.6	7.2	7.1	6.7
98th	7.7	7.9	7.5	7.7	7.6	7.6	7.7	7.1	7.2	6.7	7.6	7.2	7.2	6.7
99th	7.8	7.9	7.6	7.7	7.6	7.7	7.8	7.1	7.5	6.8	7.7	7.2	7.2	6.7
Maximum	9.2	9.2	8.5	8.7	7.8	8.6	7.8	7.2	7.5	6.8	7.7	7.2	7.2	6.7

pH

Stream Water

number of values	: 2657
units	: pH
detection limit	: 0.1
analytical method	: GCE

pH by GCE