



REGIONAL STREAM SEDIMENT AND WATER GEOCHEMICAL DATA

SOUTHEASTERN BRITISH COLUMBIA

(NTS 82N, 83C, 83D AND 83E)

*** SUMMARY STATISTICS ***

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Notes:

- Calculations ignore missing values and analytical results from the second (STA=20) of paired field duplicate samples.
- Data reported by the labs at less than detection limit is set at half the detection limit.

Summary Statistics

Variable	Al	Sb	As	Ba	Bi	B	Cd	Ca	Cr	Co	Cu	Ga	Au	Fe	La	Pb	Mg	Mn	Hg
Units	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppb	%	ppm	ppm	%	ppm	ppb
D.L.	0.01	0.02	0.1	0.5	0.02	1.0	0.01	0.01	0.5	0.1	0.01	0.1	0.2	0.01	0.5	0.01	0.01	1	5
Anal Mth	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS
N	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409
N > DL	1409	1111	1310	1409	1402	443	1379	1409	1409	1409	1409	1409	1154	1409	1409	1409	1409	1409	995
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	1.13	0.19	5.13	67.91	0.30	1.56	0.12	3.71	24.26	13.43	27.58	3.53	3.28	2.53	21.75	11.07	1.15	433.2	14.67
Median	1.11	0.08	2.30	38.40	0.24	1.00	0.06	0.50	21.20	12.60	24.30	3.30	0.60	2.45	17.10	8.91	0.75	396.0	10.00
Mode	0.95	0.02	0.05	21.20	0.22	1.00	0.04	0.25	15.60	11.40	17.51	2.40	0.10	3.11	15.80	3.96	0.61	389.0	2.50
Range	4.35	4.86	160.15	1140.7	7.36	14.5	6.445	39.98	121.5	121.6	407.73	11.0	556.1	7.61	691.8	198.80	11.85	5386	839.5
St Dev	0.51	0.35	9.58	91.58	0.37	1.54	0.33	6.72	14.77	7.72	19.17	1.76	21.93	0.94	25.43	9.41	1.32	277.16	26.39
Coef Var	0.449	1.819	1.866	1.349	1.251	0.992	2.747	1.813	0.609	0.575	0.695	0.500	6.691	0.370	1.169	0.850	1.154	0.640	1.798
Log Mean	-0.004	-1.087	0.281	1.605	-0.642	0.062	-1.176	-0.047	1.310	1.075	1.360	0.483	-0.175	0.371	1.225	0.946	-0.082	2.578	0.962
Geo Mean	0.99	0.08	1.91	40.27	0.23	1.15	0.07	0.90	20.40	11.87	22.93	3.04	0.67	2.35	16.78	8.83	0.83	378.6	9.17
Log StDv	0.243	0.560	0.676	0.437	0.303	0.312	0.370	0.707	0.265	0.220	0.276	0.260	0.536	0.179	0.301	0.289	0.315	0.225	0.414
Log CVar	-60.673	-0.515	2.405	0.273	-0.472	5.034	-0.315	-15.043	0.202	0.205	0.203	0.539	-3.063	0.483	0.246	0.306	-3.845	0.087	0.430
Percentls																			
Minimum	0.06	0.01	0.05	3.4	0.01	0.5	0.005	0.02	1.4	0.9	0.71	0.2	0.1	0.25	1.6	0.86	0.05	24	2.5
10th	0.47	0.02	0.20	11.1	0.09	0.5	0.030	0.18	9.1	6.2	9.86	1.4	0.1	1.40	6.9	3.83	0.38	196	2.5
20th	0.68	0.02	0.50	16.3	0.14	0.5	0.030	0.24	12.7	8.4	14.48	2.1	0.3	1.72	9.5	4.78	0.47	249	2.5
30th	0.84	0.03	0.90	22.2	0.18	1.0	0.040	0.30	15.5	9.9	17.56	2.5	0.4	1.99	12.3	5.91	0.56	298	6.0
40th	0.98	0.05	1.60	28.6	0.21	1.0	0.050	0.38	18.3	11.3	21.14	2.9	0.5	2.22	14.8	7.18	0.65	350	7.0
50th	1.11	0.08	2.30	38.4	0.24	1.0	0.060	0.50	21.2	12.6	24.30	3.3	0.6	2.45	17.1	8.91	0.75	396	10.0
60th	1.24	0.11	3.30	54.8	0.28	1.0	0.070	0.69	24.6	13.9	28.13	3.8	0.8	2.69	19.5	10.64	0.85	440	12.0
70th	1.38	0.17	4.90	70.9	0.32	2.0	0.090	1.36	28.8	15.4	32.29	4.3	1.0	3.00	23.0	12.94	1.02	494	16.0
80th	1.54	0.27	7.30	98.2	0.37	2.0	0.120	6.29	33.2	17.2	37.84	5.0	1.3	3.32	29.1	16.09	1.32	561	21.0
85th	1.65	0.35	9.40	119.0	0.41	3.0	0.140	9.16	37.0	18.3	42.28	5.3	1.6	3.51	32.7	18.20	1.69	608	26.0
90th	1.76	0.45	12.20	151.8	0.46	3.0	0.170	13.76	42.5	20.2	47.70	5.8	2.3	3.76	37.9	21.16	2.36	682	31.0
95th	1.95	0.76	17.60	209.2	0.61	4.0	0.260	20.28	51.2	23.1	55.72	6.6	5.3	4.14	52.8	25.30	3.35	825	43.0
98th	2.18	1.17	32.20	317.1	1.00	6.0	0.580	25.93	66.0	30.8	69.83	7.9	22.8	4.61	74.3	30.28	6.13	1046	54.0
99th	2.35	1.56	40.40	390.3	1.46	8.0	1.700	28.34	76.2	37.6	77.08	8.4	82.8	4.96	95.6	36.61	7.49	1268	63.0
Maximum	4.41	4.87	160.20	1144.1	7.37	15.0	6.450	40.00	122.9	122.5	408.44	11.2	556.2	7.86	693.4	199.66	11.90	5410	842.0

Summary Statistics

Variable	Mo	Ni	P	K	Sc	Se	Ag	Na	Sr	S	Te	Tl	Th	Ti	W	U	V	Zn
Units	ppm	ppm	%	%	ppm	ppm	ppb	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
D.L.	0.01	0.1	0.001	0.01	0.1	0.1	2	0.001	0.5	0.01	0.02	0.02	0.1	.001	0.1	0.1	2	0.1
Anal Mth	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS
N	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409
N > DL	1409	1409	1409	1327	1408	1213	1409	1263	1409	1115	502	950	1408	1293	294	1408	1389	1409
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0.78	29.47	0.11	0.20	2.14	0.52	50.5	0.01	77.18	0.06	0.02	0.12	8.00	0.05	0.29	2.57	17.4	58.51
Median	0.44	27.40	0.08	0.06	2.00	0.40	39.0	0.01	23.70	0.04	0.02	0.05	6.80	0.01	0.05	1.70	12.0	54.60
Mode	0.44	20.80	0.06	0.02	1.30	0.20	39.0	0.00	20.90	0.03	0.01	0.01	4.50	0.00	0.05	0.40	11.0	64.00
Range	27.58	148.2	1.054	1.45	7.3	4.35	1744	0.248	1284.8	1.555	0.13	0.71	107.4	0.989	37.25	45.8	225	442.1
St Dev	1.57	16.33	0.14	0.26	1.04	0.49	81.88	0.02	121.45	0.08	0.02	0.13	6.48	0.09	1.38	3.71	14.85	34.84
Coef Var	2.015	0.554	1.334	1.323	0.484	0.946	1.620	1.566	1.574	1.335	0.644	1.101	0.810	1.746	4.808	1.443	0.855	0.595
Log Mean	-0.314	1.407	-1.101	-1.066	0.277	-0.433	1.561	-2.274	1.511	-1.444	-1.704	-1.235	0.810	-1.854	-1.076	0.196	1.112	1.704
Geo Mean	0.49	25.50	0.08	0.09	1.89	0.37	36.4	0.01	32.43	0.04	0.02	0.06	6.46	0.01	0.08	1.57	12.9	50.60
Log StDv	0.358	0.244	0.280	0.572	0.227	0.362	0.318	0.469	0.556	0.466	0.248	0.555	0.293	0.777	0.458	0.420	0.336	0.244
Log CVar	-1.142	0.173	-0.255	-0.536	0.818	-0.835	0.204	-0.206	0.368	-0.323	-0.146	-0.450	0.362	-0.419	-0.426	2.153	0.303	0.143
Percentls																		
Minimum	0.04	2.0	0.010	0.01	0.1	0.05	3	0.001	0.9	0.005	0.01	0.01	0.1	0.001	0.05	0.1	1	2.8
10th	0.20	12.0	0.042	0.02	1.0	0.10	13	0.001	7.6	0.005	0.01	0.01	2.9	0.002	0.05	0.4	5	25.3
20th	0.26	16.8	0.053	0.03	1.2	0.20	20	0.002	11.4	0.010	0.01	0.02	3.9	0.002	0.05	0.6	7	33.5
30th	0.32	20.8	0.061	0.03	1.4	0.20	27	0.003	14.8	0.020	0.01	0.02	4.9	0.003	0.05	1.0	9	41.7
40th	0.37	24.1	0.069	0.04	1.7	0.30	33	0.003	18.5	0.030	0.02	0.03	5.8	0.005	0.05	1.3	10	48.4
50th	0.44	27.4	0.076	0.06	2.0	0.40	39	0.005	23.7	0.040	0.02	0.05	6.8	0.011	0.05	1.7	12	54.6
60th	0.53	30.6	0.083	0.11	2.3	0.50	44	0.007	33.1	0.050	0.02	0.10	7.8	0.030	0.05	2.1	14	61.6
70th	0.66	34.1	0.092	0.22	2.6	0.60	51	0.010	56.0	0.060	0.03	0.17	9.1	0.065	0.05	2.6	20	68.4
80th	0.85	39.3	0.111	0.37	3.0	0.70	61	0.015	124.5	0.090	0.03	0.22	11.1	0.104	0.20	3.3	27	77.9
85th	1.03	42.5	0.126	0.45	3.3	0.80	69	0.019	175.6	0.100	0.04	0.26	12.4	0.120	0.20	4.0	32	82.4
90th	1.33	47.6	0.154	0.55	3.6	1.00	79	0.025	234.5	0.130	0.04	0.32	14.4	0.145	0.40	4.8	38	89.6
95th	2.01	57.8	0.236	0.76	4.0	1.50	101	0.033	326.1	0.190	0.05	0.39	16.6	0.188	0.80	7.7	44	102.9
98th	3.84	72.6	0.980	1.01	4.6	2.00	209	0.044	446.0	0.290	0.06	0.46	20.8	0.234	2.80	12.2	55	137.6
99th	7.60	91.1	0.980	1.16	5.0	2.50	307	0.052	514.2	0.370	0.08	0.53	28.0	0.262	4.90	18.9	65	193.7
Maximum	27.62	150.2	1.064	1.46	7.4	4.40	1747	0.249	1285.7	1.560	0.14	0.72	107.5	0.990	37.30	45.9	226	444.9

Summary Statistics

Variable	Sb	As	Ba	Br	Ca	Ce	Cs	Cr	Co	Eu	Au	Hf	Fe	La	Lu	Mo	Nd	Rb	Sm
Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
D.L.	0.1	0.5	50	0.5	1	3	1	5	1	0.2	2	1	0.01	0.5	0.05	1	5	15	0.1
Anal Mth	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
N	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409
N > DL	730	1058	1399	1204	700	1409	1261	1409	1405	1398	82	1371	1409	1409	1405	75	1406	1396	1409
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0.31	5.68	514.5	6.18	3.76	176.7	3.82	79.3	14.94	2.13	3.3	12.29	3.77	94.15	0.62	0.86	69.58	88.56	13.01
Median	0.20	2.80	440.0	3.20	1.00	140.0	4.00	75.0	14.00	1.90	1.0	11.00	3.79	74.10	0.56	0.50	58.00	87.00	10.70
Mode	0.05	0.25	380.0	0.25	0.50	110.0	3.00	110.0	14.00	1.90	1.0	4.00	3.04	49.00	1.00	0.50	120.00	110.00	10.00
Range	5.45	165.75	7385	100.75	31.5	1115	23.5	613	115.5	20.0	356	106.5	11.58	773.7	3.875	31.5	635.5	232.5	115.6
St Dev	0.48	10.13	443.75	9.21	5.39	128.82	2.37	41.73	7.57	1.44	17.90	9.03	1.39	73.19	0.42	1.99	49.26	34.17	9.81
Coef Var	1.543	1.785	0.863	1.490	1.432	0.729	0.620	0.526	0.507	0.678	5.465	0.735	0.370	0.777	0.672	2.310	0.708	0.386	0.755
Log Mean	-0.814	0.341	2.627	0.445	0.223	2.148	0.500	1.848	1.127	0.234	0.073	0.970	0.542	1.867	-0.299	-0.243	1.754	1.907	1.009
Geo Mean	0.15	2.19	423.4	2.79	1.67	140.5	3.17	70.5	13.39	1.71	1.2	9.34	3.49	73.56	0.50	0.57	56.76	80.80	10.21
Log StDv	0.499	0.652	0.270	0.593	0.537	0.307	0.288	0.215	0.215	0.304	0.319	0.354	0.186	0.314	0.304	0.250	0.285	0.206	0.315
Log CVar	-0.613	1.911	0.103	1.333	2.408	0.143	0.577	0.116	0.191	1.299	4.369	0.365	0.344	0.168	-1.018	-1.028	0.163	0.108	0.313
Percentls																			
Minimum	0.05	0.25	25	0.25	0.5	5	0.5	6	0.5	0.1	1	0.5	0.32	2.3	0.025	0.5	2.5	7.5	0.4
10th	0.05	0.25	210	0.25	0.5	57	1.0	39	7.0	0.7	1	3.0	1.95	30.0	0.190	0.5	25.0	48.0	3.8
20th	0.05	0.25	300	0.90	0.5	87	2.0	50	10.0	1.0	1	5.0	2.68	44.0	0.290	0.5	36.0	61.0	6.2
30th	0.05	1.10	350	1.50	0.5	100	3.0	58	12.0	1.3	1	7.0	3.09	52.7	0.390	0.5	43.0	70.0	7.6
40th	0.05	1.90	400	2.20	0.5	120	3.0	66	13.0	1.6	1	9.0	3.45	63.5	0.470	0.5	50.0	79.0	9.1
50th	0.20	2.80	440	3.20	1.0	140	4.0	75	14.0	1.9	1	11.0	3.79	74.1	0.560	0.5	58.0	87.0	10.7
60th	0.20	4.00	490	4.50	2.0	170	4.0	82	16.0	2.1	1	13.0	4.06	88.8	0.620	0.5	68.0	96.0	12.6
70th	0.30	5.50	540	6.20	3.0	200	4.0	89	17.0	2.5	1	15.0	4.35	106.0	0.710	0.5	79.0	100.0	14.9
80th	0.40	8.30	620	9.30	6.0	240	5.0	100	19.0	2.9	1	18.0	4.77	130.0	0.850	0.5	97.0	110.0	18.0
85th	0.60	10.00	670	11.00	8.0	280	6.0	110	20.0	3.3	1	20.0	5.05	152.0	1.000	0.5	110.0	120.0	20.2
90th	0.70	13.00	750	14.00	11.0	327	6.0	120	22.0	3.8	1	23.0	5.45	177.0	1.100	0.5	120.0	130.0	24.5
95th	1.10	18.00	990	21.00	17.0	415	8.0	140	25.0	4.8	6	28.0	6.06	234.0	1.400	2.0	150.0	140.0	31.8
98th	1.70	34.00	1800	36.00	21.0	533	10.0	190	32.0	6.0	29	35.0	6.98	298.0	1.800	6.0	200.0	170.0	39.6
99th	2.20	41.00	2400	48.00	23.0	686	13.0	230	38.0	7.2	64	39.0	7.74	409.0	2.200	10.0	240.0	190.0	48.7
Maximum	5.50	166.00	7410	101.00	32.0	1120	24.0	619	116.0	20.1	357	107.0	11.90	776.0	3.900	32.0	638.0	240.0	116.0

Summary Statistics

Variable	Sc	Na	Ta	Tb	Th	W	U	Yb	Zn	F	LOI	FW	CND	PH
Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	mgL	uS	
D.L.	0.1	0.01	0.5	0.5	0.2	1	0.5	0.2	50	10	0.1	0.01	1	0.1
Anal Mth	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	ION	GRAV	ION	SNR	SNR
N	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1409	1376	1376	1376
N > DL	1409	1409	1148	1162	1409	778	1406	1408	653	1409	1409	955	1376	1376
Missing	0	0	0	0	0	0	0	0	0	0	0	33	33	33
Mean	11.99	0.91	1.94	1.45	24.18	2.37	6.54	4.07	52.7	528.0	9.86	0.05	158.29	7.45
Median	11.40	0.86	1.50	1.20	19.00	2.00	5.20	3.50	25.0	450.0	6.29	0.03	133.00	7.58
Mode	10.00	1.00	0.25	0.25	15.00	0.50	10.00	3.30	25.0	270.0	3.50	0.01	230.00	8.15
Range	37.1	2.75	13.75	15.75	181.0	102.5	64.95	27.1	405	1990	54.89	1.71	900.1	5.08
St Dev	5.28	0.48	1.84	1.15	20.01	4.19	5.82	2.87	39.40	294.37	9.02	0.09	115.61	0.68
Coef Var	0.441	0.532	0.946	0.792	0.828	1.763	0.890	0.705	0.747	0.558	0.915	1.771	0.730	0.091
Log Mean	1.034	-0.123	0.115	0.036	1.280	0.158	0.690	0.511	1.631	2.660	0.834	-1.541	2.078	0.870
Geo Mean	10.80	0.75	1.30	1.09	19.06	1.44	4.90	3.24	42.8	457.5	6.82	0.03	119.74	7.42
Log StDv	0.211	0.299	0.414	0.352	0.300	0.417	0.335	0.308	0.269	0.235	0.377	0.408	0.346	0.043
Log CVar	0.204	-2.451	3.602	9.777	0.235	2.640	0.486	0.605	0.165	0.088	0.453	-0.265	0.167	0.049
Percntls														
Minimum	0.7	0.03	0.25	0.25	1.0	0.5	0.25	0.1	25	50	0.30	0.01	1.9	3.38
10th	5.9	0.29	0.25	0.25	8.4	0.5	1.80	1.2	25	240	2.40	0.01	39.9	6.54
20th	7.9	0.50	0.70	0.60	12.0	0.5	2.50	1.9	25	280	3.39	0.01	60.5	6.96
30th	9.2	0.65	1.00	0.90	15.0	0.5	3.60	2.5	25	330	4.08	0.01	77.5	7.20
40th	10.4	0.75	1.30	1.00	16.0	1.0	4.40	3.1	25	390	5.00	0.02	100.0	7.39
50th	11.4	0.86	1.50	1.20	19.0	2.0	5.20	3.5	25	450	6.29	0.03	133.0	7.58
60th	12.4	1.00	1.80	1.40	21.7	2.0	6.00	4.0	57	530	8.10	0.03	163.0	7.77
70th	13.6	1.09	2.10	1.70	25.7	3.0	7.10	4.6	67	620	10.83	0.04	206.0	7.92
80th	15.2	1.28	2.70	2.00	30.9	3.0	8.90	5.5	78	720	15.20	0.06	242.0	8.05
85th	16.6	1.39	3.10	2.40	34.8	4.0	10.00	6.3	88	810	18.31	0.07	275.0	8.13
90th	18.7	1.56	3.80	2.80	42.3	5.0	12.00	7.5	99	930	23.98	0.10	308.0	8.18
95th	22.1	1.79	5.60	3.50	61.3	6.0	16.00	9.3	120	1095	31.49	0.16	369.0	8.27
98th	26.3	2.05	7.70	4.50	87.2	9.0	23.00	12.0	160	1365	35.53	0.35	440.0	8.34
99th	28.7	2.31	10.00	5.30	118.0	14.0	29.00	14.0	180	1455	37.89	0.47	517.0	8.40
Maximum	37.8	2.78	14.00	16.00	182.0	103.0	65.20	27.2	430	2040	55.19	1.72	902.0	8.46