

SUMMARY STATISTICS LAKE SEDIMENT AQUA-REGIA (ICP-MS)				LAKE SEDIMENT GEOCHEMICAL DATA BANCROFT, ON AREA (PARTS OF NTS 031C, D, E AND F)										* NEW RE-ANALYSIS DATA *				
Element	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge
Lower Detection Limit	2	0.01	0.1	0.2	20	0.5	0.1	0.02	0.01	0.01	0.1	0.1	0.5	0.02	0.01	0.01	0.1	0.1
Unit	PPB	%	PPM	PPB	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM
Dissolution Instrumentation	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS
Total Sites	362	362	362	362	362	362	362	362	362	362	362	362	362	362	362	362	362	362
Total Sites with Aqua-Regia Data	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358
Missing Values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Sites Below Det. Lim.	2	0	87	66	349	0	42	13	0	0	0	0	0	0	0	0	2	269
Unique Values	141	172	55	47	8	327	28	37	169	135	314	142	201	115	344	225	51	6
Mean	85	0.95	1.2	1.3	<20	141.0	0.6	0.09	2.08	0.84	70.2	7.4	14.6	0.54	29.68	1.79	2.1	<0.1
Median	74	0.82	0.5	0.9	<20	112.0	0.4	0.07	0.94	0.79	56.9	6.0	13.2	0.43	27.51	1.23	2.0	<0.1
Geometric Mean	72	0.75	0.4	0.7	<20	117.3	0.3	0.07	1.02	0.74	47.4	5.6	12.5	0.44	26.29	1.25	1.7	<0.1
Variance	2080	0.36	3.5	5.6	9	9981.4	0.7	0.01	23.22	0.18	7795.1	41.8	65.9	0.15	209.90	3.26	1.3	0.0
Standard Deviation	46	0.60	1.9	2.4	3	99.9	0.8	0.08	4.82	0.42	88.3	6.5	8.1	0.39	14.49	1.81	1.1	0.1
Kurtosis	3	0.12	10.6	158.2	73	8.1	105.4	5.42	20.75	3.39	148.2	17.8	5.8	5.20	2.02	9.83	0.0	17.7
Skewness	1	0.78	3.0	10.9	8	2.4	8.5	2.19	4.55	1.29	10.2	3.3	1.6	1.96	1.20	2.74	0.5	3.6
Coefficient of Variation	54	63.30	159.8	183.4	28	70.9	147.5	85.75	231.86	49.78	125.7	87.2	55.8	71.67	48.81	100.86	55.2	73.3
Robust Coefficient Of Variation	51	77.07	181.6	107.1	0	58.5	92.7	63.54	53.63	44.86	79.8	68.3	60.2	64.22	41.61	74.43	63.0	18.5
Minimum	<2	0.04	<0.1	<0.2	<20	24.9	<0.1	<0.02	0.19	0.08	0.9	0.4	0.9	0.05	2.44	0.12	<0.1	<0.1
1 percentile	11	0.07	<0.1	<0.2	<20	30.1	<0.1	<0.02	0.28	0.12	2.2	0.6	2.8	0.09	4.42	0.18	0.2	<0.1
2 percentile	15	0.11	<0.1	<0.2	<20	35.8	<0.1	<0.02	0.30	0.15	3.1	0.7	3.4	0.13	6.26	0.21	0.2	<0.1
5 percentile	29	0.20	<0.1	<0.2	<20	49.0	<0.1	0.02	0.35	0.30	6.5	1.3	4.6	0.17	11.16	0.29	0.4	<0.1
10 percentile	36	0.28	<0.1	<0.2	<20	57.3	<0.1	0.03	0.41	0.41	12.8	2.0	5.7	0.21	15.21	0.41	0.7	<0.1
20 percentile	48	0.40	<0.1	0.2	<20	72.6	0.2	0.04	0.57	0.52	23.5	3.0	7.8	0.26	18.12	0.64	1.0	<0.1
25 percentile	54	0.47	0.1	0.3	<20	79.2	0.2	0.05	0.62	0.56	28.8	3.6	8.5	0.28	19.89	0.75	1.1	<0.1
30 percentile	58	0.51	0.2	0.4	<20	85.7	0.2	0.05	0.67	0.61	35.5	4.0	9.6	0.31	21.68	0.85	1.3	<0.1
40 percentile	68	0.64	0.3	0.6	<20	99.6	0.3	0.06	0.80	0.68	46.1	5.0	11.6	0.36	24.53	1.03	1.7	<0.1
50 percentile	74	0.82	0.5	0.9	<20	112.0	0.4	0.07	0.94	0.79	56.9	6.0	13.2	0.43	27.51	1.23	2.0	<0.1
60 percentile	85	1.04	0.7	1.1	<20	127.1	0.5	0.08	1.05	0.87	67.2	7.0	15.3	0.50	29.77	1.48	2.2	<0.1
70 percentile	99	1.25	1.0	1.4	<20	150.2	0.6	0.09	1.21	0.96	82.9	8.1	17.7	0.59	32.85	1.77	2.6	<0.1
75 percentile	105	1.32	1.3	1.6	<20	167.5	0.7	0.11	1.30	1.03	90.0	9.1	19.2	0.65	35.33	1.99	2.8	<0.1
80 percentile	117	1.47	1.7	1.8	<20	186.3	0.7	0.12	1.39	1.11	100.7	10.0	20.3	0.74	39.91	2.44	3.0	0.1
90 percentile	148	1.79	3.0	2.6	<20	266.5	1.1	0.20	2.08	1.39	126.7	13.5	24.3	1.04	48.85	3.68	3.5	0.1
95 percentile	168	2.05	5.5	3.6	<20	320.7	1.3	0.26	11.05	1.58	157.7	19.3	28.1	1.39	60.22	5.99	4.1	0.2
98 percentile	213	2.50	8.0	4.7	22	494.0	2.3	0.39	24.43	2.04	231.8	27.5	38.2	1.68	70.30	7.72	4.6	0.2
99 percentile	250	2.68	9.8	9.2	26	645.3	3.7	0.43	29.05	2.17	337.4	38.0	44.6	1.88	76.23	9.62	4.9	0.3
Maximum	306	3.02	12.8	37.6	44	664.7	11.8	0.44	32.19	3.15	1407.5	60.6	67.0	2.88	94.82	13.87	6.4	0.5

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LAKE SEDIMENT			BANCROFT, ON AREA															
AQUA-REGIA (ICP-MS)			(PARTS OF NTS 031C, D, E AND F)															
Element	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Pd	Pt	Rb	Re
Lower Detection Limit	0.02	5	0.02	0.01	0.5	0.1	0.01	1	0.01	0.001	0.02	0.1	0.001	0.01	10	2	0.1	1
Unit	PPM	PPB	PPM	%	PPM	PPM	%	PPM	PPM	%	PPM	PPM	%	PPM	PPB	PPB	PPM	PPB
Dissolution Instrumentation	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS
Total Sites	362	362	362	362	362	362	362	362	362	362	362	362	362	362	362	362	362	362
Total Sites with Aqua-Regia Data	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358
Missing Values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Sites Below Det. Lim.	161	0	238	5	0	0	0	0	0	1	0	0	0	0	358	304	0	130
Unique Values	19	172	7	27	306	109	61	283	270	60	179	156	181	322	1	6	111	12
Mean	0.04	154	<0.02	0.06	57.3	4.6	0.22	619	3.52	0.018	1.00	11.7	0.125	9.69	<10	<2	5.0	2
Median	0.02	157	<0.02	0.04	45.9	3.7	0.18	278	2.60	0.014	0.93	10.8	0.104	5.95	<10	<2	3.7	2
Geometric Mean	0.02	141	<0.02	0.04	38.0	3.5	0.18	308	2.56	0.014	0.80	10.5	0.102	6.70	<10	<2	4.0	1
Variance	0.00	3322	0.00	0.00	4731.1	12.3	0.02	1232251	12.86	0.000	0.36	35.8	0.008	145.51	0	1	13.2	4
Standard Deviation	0.04	58	0.01	0.05	68.8	3.5	0.15	1110	3.59	0.014	0.60	6.0	0.087	12.06	0	1	3.6	2
Kurtosis	5.17	1	4.55	7.88	85.4	5.0	2.78	28	23.00	8.018	0.15	11.6	9.713	25.79	-	17	3.8	32
Skewness	1.97	0	1.98	2.41	7.8	1.9	1.58	5	3.91	2.457	0.75	2.5	2.478	4.31	-	4	1.8	4
Coefficient of Variation	98.51	37	67.22	80.94	120.1	76.4	66.99	179	101.97	81.937	59.99	50.9	69.748	124.50	0	63	72.9	97
Robust Coefficient Of Variation	148.26	35	74.13	74.13	81.1	76.6	72.01	106	69.14	64.864	64.17	40.2	55.508	64.44	0	0	80.6	93
Minimum	<0.02	8	<0.02	<0.01	0.7	0.3	0.04	23	0.43	<0.001	0.03	1.5	0.009	0.83	<10	<2	0.4	<1
1 percentile	<0.02	39	<0.02	<0.01	1.3	0.4	0.05	36	0.46	0.002	0.07	3.2	0.013	1.16	<10	<2	0.8	<1
2 percentile	<0.02	39	<0.02	0.01	2.3	0.5	0.05	42	0.51	0.003	0.11	3.4	0.025	1.61	<10	<2	1.0	<1
5 percentile	<0.02	56	<0.02	0.02	4.5	0.8	0.07	68	0.76	0.005	0.21	4.4	0.036	2.24	<10	<2	1.4	<1
10 percentile	<0.02	80	<0.02	0.02	9.7	1.2	0.08	85	0.96	0.006	0.29	6.1	0.045	3.09	<10	<2	1.7	<1
20 percentile	<0.02	105	<0.02	0.03	19.2	1.9	0.10	125	1.39	0.008	0.46	7.6	0.067	3.81	<10	<2	2.2	<1
25 percentile	<0.02	116	<0.02	0.03	24.2	2.2	0.11	148	1.58	0.009	0.53	8.2	0.072	4.15	<10	<2	2.5	<1
30 percentile	<0.02	123	<0.02	0.03	29.7	2.5	0.12	169	1.72	0.009	0.61	8.8	0.080	4.49	<10	<2	2.7	<1
40 percentile	<0.02	141	<0.02	0.04	36.6	3.1	0.15	216	2.06	0.011	0.75	9.8	0.094	5.08	<10	<2	3.2	1
50 percentile	0.02	157	<0.02	0.04	45.9	3.7	0.18	278	2.60	0.014	0.93	10.8	0.104	5.95	<10	<2	3.7	2
60 percentile	0.03	168	<0.02	0.05	54.2	4.4	0.21	349	3.02	0.016	1.08	11.8	0.116	6.92	<10	<2	4.7	2
70 percentile	0.04	184	0.02	0.06	64.8	5.4	0.26	455	3.69	0.018	1.22	13.0	0.133	8.39	<10	<2	5.9	3
75 percentile	0.05	190	0.02	0.07	74.4	6.0	0.28	545	4.00	0.021	1.33	14.0	0.150	9.31	<10	<2	6.5	3
80 percentile	0.06	199	0.03	0.08	83.7	6.4	0.31	665	4.49	0.024	1.53	15.3	0.162	11.14	<10	<2	7.5	3
90 percentile	0.09	224	0.03	0.11	112.4	9.2	0.41	1582	7.27	0.034	1.87	17.2	0.230	20.26	<10	2	9.3	4
95 percentile	0.11	245	0.04	0.15	125.7	11.4	0.53	2396	9.17	0.048	2.13	20.8	0.310	33.00	<10	3	12.2	5
98 percentile	0.14	265	0.05	0.21	162.7	16.3	0.70	4031	14.21	0.062	2.55	29.3	0.369	49.44	<10	4	17.4	7
99 percentile	0.18	314	0.06	0.27	220.7	17.4	0.74	7098	19.60	0.085	2.77	39.6	0.480	67.80	<10	4	18.9	9
Maximum	0.23	388	0.08	0.32	903.5	24.7	0.86	>10000	34.39	0.098	2.91	54.9	0.730	118.42	<10	7	21.5	22

Element	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Lower Detection Limit	0.02	0.02	0.1	0.1	0.1	0.5	0.05	0.02	0.1	0.001	0.02	0.1	2	0.1	0.01	0.1	0.1
Unit	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Dissolution Instrumentation	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS	Aqua-Regia ICP-MS
Total Sites	362	362	362	362	362	362	362	362	362	362	362	362	362	362	362	362	362
Total Sites with Aqua-Regia Data	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358
Missing Values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Sites Below Det. Lim.	0	0	1	2	7	0	358	202	15	0	2	0	3	146	0	0	11
Unique Values	152	69	74	38	23	302	1	14	74	85	56	158	80	12	350	321	45
Mean	0.83	0.21	2.6	1.6	0.5	71.3	<0.05	0.02	2.0	0.030	0.21	8.8	31	0.2	41.21	104.3	1.2
Median	0.72	0.12	2.2	1.5	0.4	52.8	<0.05	<0.02	1.0	0.023	0.18	4.2	27	0.1	31.56	93.5	0.8
Geometric Mean	0.67	0.14	2.0	1.4	0.4	56.3	<0.05	<0.02	1.0	0.022	0.17	4.3	24	0.1	28.81	91.2	0.8
Variance	0.30	0.10	3.1	0.5	0.2	3975.5	0.00	0.00	6.3	0.001	0.02	254.7	440	0.0	2706.08	2912.0	1.1
Standard Deviation	0.55	0.31	1.8	0.7	0.5	63.1	0.00	0.02	2.5	0.024	0.15	16.0	21	0.2	52.02	54.0	1.1
Kurtosis	3.04	114.80	2.3	1.5	19.1	11.9	-	12.59	10.6	5.610	14.58	37.3	3	21.7	130.15	5.0	3.8
Skewness	1.40	8.81	1.4	0.8	3.6	3.1	-	2.80	2.7	1.953	3.04	5.5	1	3.8	9.45	1.6	1.7
Coefficient of Variation	65.62	151.58	67.8	45.5	92.0	88.4	0.00	93.58	124.5	82.499	71.92	181.6	69	107.5	126.23	51.7	91.1
Robust Coefficient Of Variation	72.07	98.84	71.6	44.5	55.6	57.5	0.00	222.39	185.3	85.411	59.30	120.9	71	111.2	69.66	43.3	111.2
Minimum	0.08	0.02	<0.1	<0.1	<0.1	9.6	<0.05	<0.02	<0.1	0.001	<0.02	0.3	<2	<0.1	0.91	5.0	<0.1
1 percentile	0.11	0.03	0.2	0.2	<0.1	15.5	<0.05	<0.02	<0.1	0.002	0.04	0.4	2	<0.1	1.36	11.2	<0.1
2 percentile	0.14	0.03	0.4	0.3	<0.1	18.6	<0.05	<0.02	<0.1	0.003	0.04	0.5	4	<0.1	2.61	19.4	<0.1
5 percentile	0.21	0.04	0.6	0.6	0.1	24.3	<0.05	<0.02	0.1	0.006	0.06	0.7	6	<0.1	5.46	36.1	0.1
10 percentile	0.28	0.05	0.8	0.7	0.2	27.2	<0.05	<0.02	0.2	0.007	0.08	1.0	8	<0.1	9.83	48.7	0.2
20 percentile	0.37	0.07	1.1	1.0	0.2	32.9	<0.05	<0.02	0.3	0.011	0.11	1.5	12	<0.1	16.18	66.2	0.4
25 percentile	0.42	0.07	1.4	1.1	0.3	36.8	<0.05	<0.02	0.4	0.013	0.12	1.9	15	<0.1	18.98	71.3	0.4
30 percentile	0.46	0.08	1.5	1.1	0.3	40.0	<0.05	<0.02	0.5	0.014	0.13	2.2	17	<0.1	21.64	75.4	0.5
40 percentile	0.57	0.10	1.8	1.3	0.3	47.0	<0.05	<0.02	0.7	0.018	0.16	3.3	22	<0.1	26.05	84.6	0.6
50 percentile	0.72	0.12	2.2	1.5	0.4	52.8	<0.05	<0.02	1.0	0.023	0.18	4.2	27	0.1	31.56	93.5	0.8
60 percentile	0.87	0.15	2.5	1.6	0.4	59.6	<0.05	0.02	1.5	0.028	0.20	5.7	31	0.1	36.72	104.9	1.1
70 percentile	1.05	0.20	3.1	1.9	0.5	70.1	<0.05	0.03	2.3	0.035	0.23	7.7	37	0.2	44.97	119.8	1.4
75 percentile	1.12	0.23	3.5	2.0	0.6	77.7	<0.05	0.04	2.9	0.039	0.26	8.8	41	0.2	48.64	125.8	1.6
80 percentile	1.22	0.28	3.8	2.1	0.6	89.6	<0.05	0.04	3.4	0.045	0.28	11.1	46	0.2	55.15	137.5	1.9
90 percentile	1.59	0.43	4.9	2.4	0.9	144.8	<0.05	0.05	4.9	0.060	0.36	18.3	61	0.3	72.54	170.9	2.7
95 percentile	1.92	0.59	6.2	2.9	1.4	193.4	<0.05	0.06	7.0	0.079	0.46	28.2	69	0.4	108.98	200.8	3.1
98 percentile	2.22	0.96	7.7	3.3	2.1	307.8	<0.05	0.08	10.0	0.101	0.68	61.8	89	0.6	147.70	256.5	4.2
99 percentile	2.56	1.16	9.1	3.9	2.7	352.0	<0.05	0.13	12.3	0.122	0.93	110.2	99	1.0	197.34	293.5	5.4
Maximum	3.67	4.66	9.9	4.6	4.4	467.2	<0.05	0.19	19.9	0.167	1.27	150.5	130	1.5	803.24	418.9	6.7