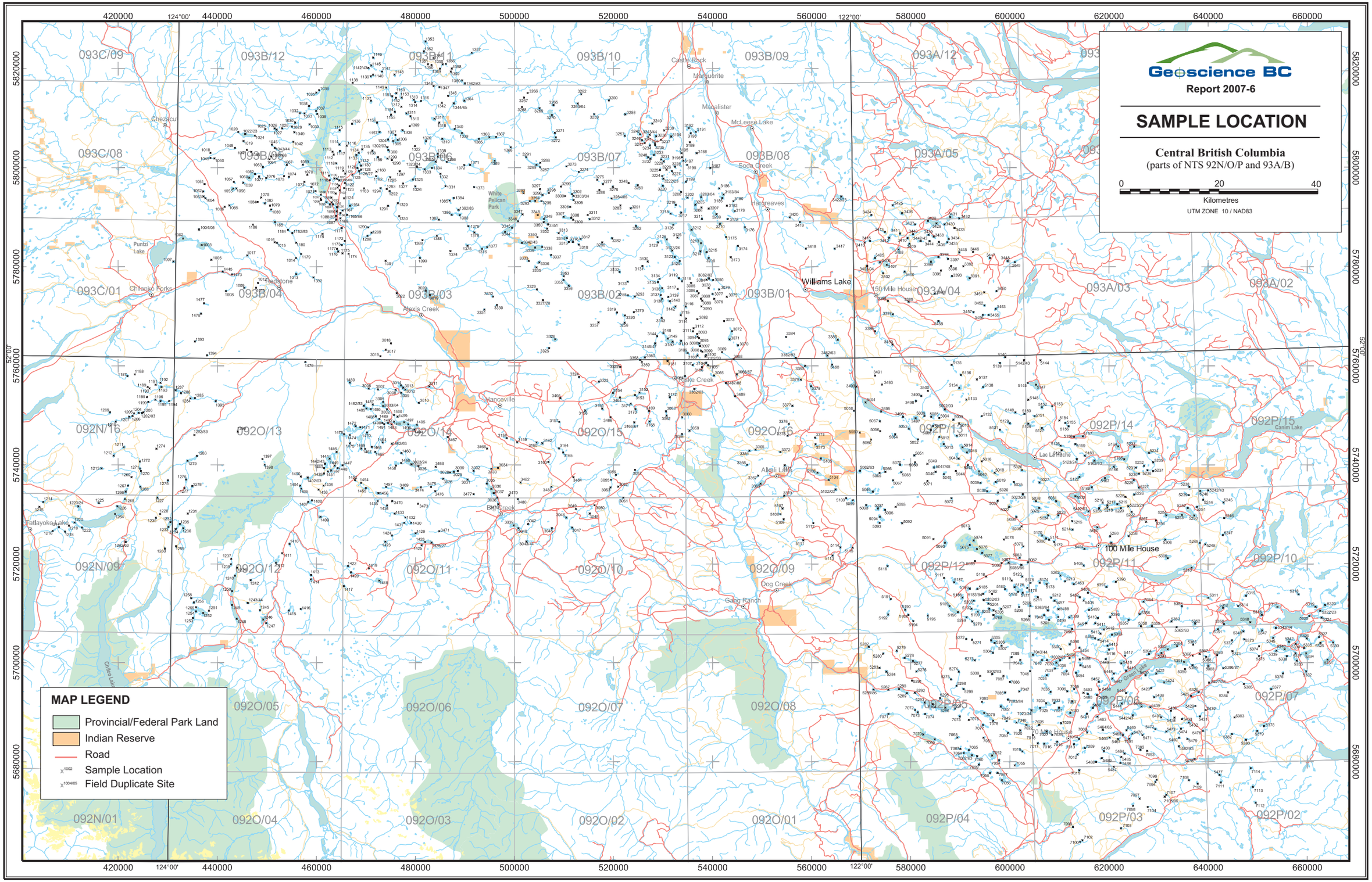
REGIONAL DRAINAGE SEDIMENT AND WATER GEOCHEMICAL DATA

SOUTH NECHAKO BASIN & CARIBOO BASIN, CENTRAL BRITISH COLUMBIA

*** APPENDIX C - MAPS ***

Table of Contents

Sample Location			Map 1	Magnesium	Mg	ICPMS	Map 18	Tungsten	W	ICPMS	Map 35	Lutetium	Lu	INAA	Map 52
Geology / MINFILE			Map 2	Manganese	Mn	ICPMS	Map 19	Uranium	U	ICPMS	Map 36	Molybdenum	Mo	INAA	Map 53
Aluminum	Al	ICPMS	Map 3	Mercury	Hg	ICPMS	Map 20	Vanadium	V	ICPMS	Map 37	Rubidium	Rb	INAA	Map 54
Antimony	Sb	ICPMS	Map 4	Molybdenum	Mo	ICPMS	Map 21	Zinc	Zn	ICPMS	Map 38	Samarium	Sm	INAA	Map 55
Arsenic	As	ICPMS	Map 5	Nickel	Ni	ICPMS	Map 22	Antimony	Sb	INAA	Map 39	Scandium	Sc	INAA	Map 56
Barium	Ba	ICPMS	Map 6	Phosphorus	P	ICPMS	Map 23	Arsenic	As	INAA	Map 40	Sodium	Na	INAA	Map 57
Bismuth	Bi	ICPMS	Map 7	Potassium	K	ICPMS	Map 24	Barium	Ba	INAA	Map 41	Tantalum	Ta	INAA	Map 58
Cadmium	Cd	ICPMS	Map 8	Scandium	Sc	ICPMS	Map 25	Bromine	Br	INAA	Map 42	Terbium	Tb	INAA	Map 59
Calcium	Ca	ICPMS	Map 9	Selenium	Se	ICPMS	Map 26	Cerium	Ce	INAA	Map 43	Thorium	Th	INAA	Map 60
Chromium	Cr	ICPMS	Map 10	Silver	Ag	ICPMS	Map 27	Cesium	Cs	INAA	Map 44	Tungsten	W	INAA	Map 61
Cobalt	Co	ICPMS	Map 11	Sodium	Na	ICPMS	Map 28	Chromium	Cr	INAA	Map 45	Uranium	U	INAA	Map 62
Copper	Cu	ICPMS	Map 12	Strontium	Sr	ICPMS	Map 29	Cobalt	Co	INAA	Map 46	Ytterbium	Yb	INAA	Map 63
Gallium	Ga	ICPMS	Map 13	Sulphur	S	ICPMS	Map 30	Europium	Eu	INAA	Map 47	Fluorine	F	ION	Map 64
Gold	Au	ICPMS	Map 14	Tellurium	Te	ICPMS	Map 31	Gold	Au	INAA	Map 48	Loss on Ignition	LOI	GRAV	Map 65
Iron	Fe	ICPMS	Map 15	Thallium	Tl	ICPMS	Map 32	Hafnium	Hf	INAA	Map 49	Fluoride	FW	ION	Map 66
Lanthanum	La	ICPMS	Map 16	Thorium	Th	ICPMS	Map 33	Iron	Fe	INAA	Map 50	Conductivity	CND	ISE	Map 67
Lead	Pb	ICPMS	Map 17	Titanium	Ti	ICPMS	Map 34	Lanthanum	La	INAA	Map 51	PH	pH	ISE	Map 68



Geoscience BC
Report 2007-6
SAMPLE LOCATION
Central British Columbia
(parts of NTS 92N/O/P and 93A/B)
0
20
40
Kilometres
UTM ZONE 10 / NAD83
MAP LEGEND
Provincial/Federal Park Land
Indian Reserve
Road
Sample Location
Field Duplicate Site
Williams Lake
100 Mile House
Castle Rock
Marguerite
Macalister
McLeese Lake
Soda Creek
Hargreaves
White Pelican Park
Puntzi Lake
Chilanko Forks
Redstone
Alexis Creek
Riske Creek
Hanceville
Alkali Lake
Big Creek
Dog Creek
Gang Ranch
Lac La Hache
Canim Lake
Tatlayoko Lake
Chezacut
093C/09
093B/12
093B/11
093B/10
093B/09
093A/12
093C/08
093B/05
093B/06
093B/07
093B/08
093A/05
093C/01
093B/04
093B/03
093B/02
093B/01
093A/04
093A/03
093A/02
092N/16
092O/13
092O/14
092O/15
092O/16
092P/13
092P/14
092P/15
092N/09
092O/12
092O/11
092O/10
092O/09
092P/12
092P/11
092P/10
092O/05
092O/06
092O/07
092O/08
092P/05
092P/06
092P/07
092N/01
092O/04
092O/03
092O/02
092O/01
092P/04
092P/03
092P/02
420000
440000
460000
480000
500000
520000
540000
560000
580000
600000
620000
640000
660000
124°00'
122°00'
52°00'
5820000
5800000
5780000
5760000
5740000
5720000
5700000
5680000

Geoscience BC

Report 2007-6

GEOLOGY & MINFILE

Central British Columbia

(parts of NTS 92N/O/P and 93A/B)

0 20 40

Kilometres

UTM ZONE 10 / NAD83

GEOLOGY LEGEND

- Bridge River
- Cache Creek
- Cadwallader
- Kootenay
- Quesnel
- Slide Mountain
- Stikine
- Overlap
- Post Accretionary
- Younger Volcanics

MINERAL OCCURRENCES

- Producer/Past Producer
- Prospect/Dev. Prospect
- Showing
- Sample Site
- Fault
- Quaternary

Ministry of Energy and Mines, Geofile 2005-1, by N.W.D. Massey, D.G. MacIntyre, P.J. Desjardins and R.T. Cooney.
http://www.em.gov.bc.ca/Mining/Geolsurv/MapPlace/geoData.htm

Geoscience BC

Report 2007-6

ALUMINIUM (AL)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

ALUMINIUM (AL) in LAKE SEDIMENTS

Data Summary

Variable -	Al	*Mean* -	0.47
Units -	%	*Median* -	0.28
DL -	0.01	*Mode* -	0.1
Method -	ICPMS	*Range* -	3.32
N -	1370	*StD* -	0.51
N>DL -	1370	*CV* -	1.085

Concentration	Percentile	Count
3.34	MAX	
1.60	95TH	n = 68
1.20	90TH	n = 68
0.50	70TH	n = 268
0.28	50TH	n = 265
0.15	30TH	n = 282
0.02	MIN	n = 419

Geoscience BC

Report 2007-6

ANTIMONY (SB)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

ANTIMONY (SB) in LAKE SEDIMENTS

Data Summary			
Variable - Sb	*Mean* -	0.45	
Units - ppm	*Median* -	0.36	
DL - 0.02	*Mode* -	0.25	
Method - ICPMS	*Range* -	8.89	
N - 1370	*StD* -	0.45	
N>DL - 1370	*CV* -	0.99	

Concentration	Percentile	Count
8.93	MAX	
0.97	95TH	n = 65
0.75	90TH	n = 72
0.48	70TH	n = 263
0.36	50TH	n = 269
0.27	30TH	n = 277
0.04	MIN	n = 424

Geoscience BC

Report 2007-6

ARSENIC (AS)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

ARSENIC (AS) in LAKE SEDIMENTS

Data Summary

Variable -	As	*Mean* -	2.39
Units -	ppm	*Median* -	1.5
DL -	0.1	*Mode* -	0.6
Method -	ICPMS	*Range* -	46.45
N -	1370	*StD* -	3.26
N>DL -	1309	*CV* -	1.367

Concentration	Percentile	Count
46.5	MAX	
7.0	95TH	n = 68
5.0	90TH	n = 67
2.6	70TH	n = 261
1.5	50TH	n = 283
0.9	30TH	n = 236
0.05	MIN	n = 455

Geoscience BC

Report 2007-6

BARIUM (BA)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

BARIUM (BA) in LAKE SEDIMENTS

Data Summary			
Variable -	Ba	*Mean* -	80.89
Units -	ppm	*Median* -	71.7
DL -	0.5	*Mode* -	35.1
Method -	ICPMS	*Range* -	520.9
N -	1370	*StD* -	47.05
N>DL -	1370	*CV* -	0.582

Concentration		Percentile		Count
529.5		MAX		
166.7		95TH	n =	68
140.5		90TH	n =	69
99.8		70TH	n =	272
71.7		50TH	n =	273
50.6		30TH	n =	276
8.6		MIN	n =	412

Geoscience BC

Report 2007-6

BISMUTH (BI)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

BISMUTH (BI) in LAKE SEDIMENTS

Data Summary			
Variable - Bi	*Mean* -	0.03	
Units - ppm	*Median* -	0.02	
DL - 0.02	*Mode* -	0.02	
Method - ICPMS	*Range* -	0.28	
N - 1370	*StD* -	0.03	
N>DL - 679	*CV* -	0.799	

Concentration	Percentile	Count
0.29	MAX	
0.08	95TH	n = 56
0.06	90TH	n = 76
0.04	70TH	n = 169
0.02	50TH	n = 378
0.02	30TH	n = 0
0.01	MIN	n = 691

Geoscience BC

Report 2007-6

CADMIUM (CD)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

CADMIUM (CD) in LAKE SEDIMENTS

Data Summary

Variable -	Cd	*Mean* -	0.16
Units -	ppm	*Median* -	0.11
DL -	0.01	*Mode* -	0.07
Method -	ICPMS	*Range* -	1.285
N -	1370	*StD* -	0.14
N>DL -	1359	*CV* -	0.886

Concentration		Percentile		Count
1.29		MAX		
0.43		95TH	n =	65
0.33		90TH	n =	67
0.18		70TH	n =	253
0.11		50TH	n =	283
0.08		30TH	n =	240
0.005		MIN	n =	462

Geoscience BC

Report 2007-6

CALCIUM (CA)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

CALCIUM (CA) in LAKE SEDIMENTS

Data Summary			
Variable -	Ca	*Mean* -	7.64
Units -	%	*Median* -	6.13
DL -	0.01	*Mode* -	1
Method -	ICPMS	*Range* -	31.12
N -	1370	*StD* -	6.6
N>DL -	1370	*CV* -	0.863

Concentration	Percentile	Count
31.38	MAX	
20.00	95TH	n = 68
17.49	90TH	n = 69
11.18	70TH	n = 274
6.13	50TH	n = 274
1.83	30TH	n = 411
0.26	MIN	

Geoscience BC

Report 2007-6

CHROMIUM (CR)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

CHROMIUM (CR) in LAKE SEDIMENTS

Data Summary			
Variable - Cr	*Mean* -	18.25	
Units - ppm	*Median* -	11	
DL - 0.5	*Mode* -	4.2	
Method - ICPMS	*Range* -	917.1	
N - 1370	*StD* -	32.34	
N>DL - 1370	*CV* -	1.773	

Concentration		Percentile		Count
917.8		MAX		
49.8		95TH	n =	68
38.5		90TH	n =	69
18.4		70TH	n =	273
11.0		50TH	n =	272
6.9		30TH	n =	270
0.7		MIN	n =	418

Geoscience BC

Report 2007-6

COBALT (CO)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

COBALT (CO) in LAKE SEDIMENTS

Data Summary

Variable -	Co	*Mean* -	6.48
Units -	ppm	*Median* -	5.3
DL -	0.1	*Mode* -	2.8
Method -	ICPMS	*Range* -	66.7
N -	1370	*StD* -	4.85
N>DL -	1370	*CV* -	0.749

Concentration		Percentile		Count
66.9		MAX		
15.2		95TH	n =	66
12.5		90TH	n =	70
7.6		70TH	n =	271
5.3		50TH	n =	270
3.5		30TH	n =	275
0.2		MIN	n =	418

Geoscience BC

Report 2007-6

COPPER (CU)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

COPPER (CU) in LAKE SEDIMENTS

Data Summary

Variable -	Cu	*Mean* -	17.24
Units -	ppm	*Median* -	12.86
DL -	0.01	*Mode* -	6.35
Method -	ICPMS	*Range* -	85.75
N -	1370	*StD* -	13.4
N>DL -	1370	*CV* -	0.777

Concentration		Percentile		Count
86.48		MAX		
45.55		95TH	n =	68
37.41		90TH	n =	69
20.48		70TH	n =	274
12.86		50TH	n =	274
8.34		30TH	n =	274
0.73		MIN	n =	411

Geoscience BC

Report 2007-6

GALLIUM (GA)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

GALLIUM (GA) in LAKE SEDIMENTS

Data Summary			
Variable -	Ga	*Mean* -	1.42
Units -	ppm	*Median* -	0.8
DL -	0.1	*Mode* -	0.3
Method -	ICPMS	*Range* -	35.45
N -	1370	*StD* -	1.74
N>DL -	1323	*CV* -	1.222

Concentration		Percentile		Count
35.5		MAX		
4.7		95TH	n =	67
3.5		90TH	n =	62
1.5		70TH	n =	270
0.8		50TH	n =	282
0.5		30TH	n =	210
0.05		MIN	n =	479

420000 124°00' 440000 460000 480000 500000 520000 540000 560000 122°00' 580000 600000 620000 640000 660000

5820000 5800000 5780000 5760000 5740000 5720000 5700000 5680000

52°00'

Geoscience BC

Report 2007-6

GOLD (AU)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

GOLD (AU) in LAKE SEDIMENTS

Data Summary			
Variable - Au	*Mean* -	0.55	
Units - ppb	*Median* -	0.4	
DL - 0.2	*Mode* -	0.1	
Method - ICPMS	*Range* -	12.1	
N - 1370	*StD* -	0.7	
N>DL - 854	*CV* -	1.276	

Concentration	Percentile	Count
12.2	MAX	
1.6	95TH	n = 61
1.2	90TH	n = 60
0.6	70TH	n = 280
0.4	50TH	n = 193
0.2	30TH	n = 260
0.1	MIN	n = 516

Geoscience BC

Report 2007-6

IRON (FE)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

IRON (FE) in LAKE SEDIMENTS

Data Summary

Variable -	Fe	*Mean* -	1.29
Units -	%	*Median* -	0.99
DL -	0.01	*Mode* -	0.51
Method -	ICPMS	*Range* -	11.31
N -	1370	*StD* -	1.12
N>DL -	1370	*CV* -	0.868

Concentration	Percentile	Count
11.34	MAX	
3.18	95TH	n = 68
2.53	90TH	n = 69
1.46	70TH	n = 273
0.99	50TH	n = 274
0.64	30TH	n = 274
0.03	MIN	n = 412

Geoscience BC

Report 2007-6

LANTHANUM (LA)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

LANTHANUM (LA) in LAKE SEDIMENTS

Data Summary			
Variable - La	*Mean* -	2.49
Units - ppm	*Median* -	1.5
DL - 0.5	*Mode* -	0.25
Method - ICPMS	*Range* -	20.05
N - 1370	*StD* -	2.63
N>DL - 1125	*CV* -	1.054

Concentration	Percentile	Count
20.3	MAX	
8.0	95TH	n = 68
6.1	90TH	n = 69
2.8	70TH	n = 263
1.5	50TH	n = 276
0.8	30TH	n = 266
0.25	MIN	n = 428

Geoscience BC

Report 2007-6

LEAD (PB)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

LEAD (PB) in LAKE SEDIMENTS

Data Summary			
Variable - Pb	*Mean* -	1.96	
Units - ppm	*Median* -	1.51	
DL - 0.01	*Mode* -	1.05	
Method - ICPMS	*Range* -	18.9	
N - 1370	*StD* -	1.53	
N>DL - 1370	*CV* -	0.782	

Concentration	Percentile	Count
19.17	MAX	
4.75	95TH	n = 68
3.87	90TH	n = 68
2.12	70TH	n = 274
1.51	50TH	n = 274
1.10	30TH	n = 272
0.27	MIN	n = 414

Geoscience BC

Report 2007-6

MAGNESIUM (MG)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

MAGNESIUM (MG) in LAKE SEDIMENTS

Data Summary

Variable -	Mg	*Mean* -	2.43
Units -	%	*Median* -	0.8
DL -	0.01	*Mode* -	0.39
Method -	ICPMS	*Range* -	19.33
N -	1370	*StD* -	3.33
N>DL -	1370	*CV* -	1.366

Concentration		Percentile		Count
19.45		MAX		
10.15		95TH	n =	68
7.74		90TH	n =	69
2.16		70TH	n =	272
0.80		50TH	n =	275
0.48		30TH	n =	275
0.12		MIN	n =	411

Geoscience BC

Report 2007-6

MANGANESE (MN)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

MANGANESE (MN) in LAKE SEDIMENTS

Data Summary			
Variable -	Mn	*Mean* -	579.7
Units -	ppm	*Median* -	403
DL -	1	*Mode* -	170
Method -	ICPMS	*Range* -	5593
N -	1370	*StD* -	579.6
N>DL -	1370	*CV* -	1

Concentration	Percentile	Count
5609	MAX	
1684	95TH	n = 68
1250	90TH	n = 69
645	70TH	n = 274
403	50TH	n = 273
234	30TH	n = 275
16	MIN	n = 411

Geoscience BC

Report 2007-6

MERCURY (HG)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

MERCURY (HG) in LAKE SEDIMENTS

Data Summary			
Variable - Hg	*Mean* -	26.55
Units - ppb	*Median* -	22
DL - 5	*Mode* -	2.5
Method - ICPMS	*Range* -	190.5
N - 1370	*StD* -	20.54
N>DL - 1276	*CV* -	0.774

Concentration	Percentile	Count
193	MAX	
65	95TH	n = 65
52	90TH	n = 70
31	70TH	n = 268
22	50TH	n = 256
14	30TH	n = 291
2.5	MIN	n = 420

Geoscience BC

Report 2007-6

MOLYBDENUM (MO)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

MOLYBDENUM (MO) in LAKE SEDIMENTS

Data Summary

Variable -	Mo	*Mean* -	4.34
Units -	ppm	*Median* -	3.3
DL -	0.01	*Mode* -	2.23
Method -	ICPMS	*Range* -	40.31
N -	1370	*StD* -	3.88
N>DL -	1370	*CV* -	0.895

Concentration		Percentile		Count
40.50		MAX		
10.45		95TH	n =	68
7.91		90TH	n =	69
4.76		70TH	n =	274
3.30		50TH	n =	273
2.37		30TH	n =	275
0.19		MIN	n =	411

Geoscience BC

Report 2007-6

NICKEL (NI)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

NICKEL (NI) in LAKE SEDIMENTS

Data Summary

Variable -	Ni	*Mean* -	25.71
Units -	ppm	*Median* -	20.4
DL -	0.1	*Mode* -	16
Method -	ICPMS	*Range* -	456
N -	1370	*StD* -	24.02
N>DL -	1369	*CV* -	0.934

Concentration		Percentile		Count
456.1		MAX		
59.4		95TH	n =	68
48.8		90TH	n =	69
29.4		70TH	n =	272
20.4		50TH	n =	272
14.0		30TH	n =	277
0.1		MIN	n =	412

Geoscience BC

Report 2007-6

PHOSPHORUS (P)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

PHOSPHORUS (P) in LAKE SEDIMENTS

Data Summary			
Variable - P	*Mean* -	0.1
Units - %	*Median* -	0.07
DL - 0.001	*Mode* -	0.09
Method - ICPMS	*Range* -	1.047
N - 1370	*StD* -	0.13
N>DL - 1370	*CV* -	1.377

Concentration		Percentile		Count
1.053		MAX		
0.154		95TH	n =	67
0.127		90TH	n =	70
0.092		70TH	n =	261
0.073		50TH	n =	269
0.056		30TH	n =	419
0.006		MIN		

Geoscience BC

Report 2007-6

POTASSIUM (K)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

POTASSIUM (K) in LAKE SEDIMENTS

Data Summary			
Variable - K	*Mean* -	0.09	
Units - %	*Median* -	0.05	
DL - 0.01	*Mode* -	0.03	
Method - ICPMS	*Range* -	1.12	
N - 1370	*StD* -	0.11	
N>DL - 1335	*CV* -	1.283	

Concentration	Percentile	Count
1.13	MAX	
0.31	95TH	n = 64
0.21	90TH	n = 66
0.08	70TH	n = 253
0.05	50TH	n = 292
0.03	30TH	n = 490
0.01	MIN	

Geoscience BC

Report 2007-6

SCANDIUM (SC)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

SCANDIUM (SC) in LAKE SEDIMENTS

Data Summary			
Variable - Sc	*Mean* -	1.54	
Units - ppm	*Median* -	0.9	
DL - 0.1	*Mode* -	0.6	
Method - ICPMS	*Range* -	10.15	
N - 1370	*StD* -	1.59	
N>DL - 1359	*CV* -	1.027	

Concentration	Percentile	Count
10.2	MAX	
5.0	95TH	n = 63
3.9	90TH	n = 70
1.6	70TH	n = 252
0.9	50TH	n = 287
0.6	30TH	n = 207
0.05	MIN	n = 491

Geoscience BC

Report 2007-6

SELENIUM (SE)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

SELENIUM (SE) in LAKE SEDIMENTS

Data Summary			
Variable - Se	*Mean* -	1.29	
Units - ppm	*Median* -	0.9	
DL - 0.1	*Mode* -	0.7	
Method - ICPMS	*Range* -	26.85	
N - 1370	*StD* -	1.73	
N>DL - 1342	*CV* -	1.338	

Concentration		Percentile		Count
26.9		MAX		
3.5		95TH	n =	68
2.4		90TH	n =	64
1.2		70TH	n =	275
0.9		50TH	n =	213
0.6		30TH	n =	311
0.05		MIN	n =	439

Geoscience BC

Report 2007-6

SILVER (AG)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

SILVER (AG) in LAKE SEDIMENTS

Data Summary			
Variable -	Ag	*Mean* -	41.1
Units -	ppb	*Median* -	28
DL -	2	*Mode* -	22
Method -	ICPMS	*Range* -	479
N -	1370	*StD* -	40.43
N>DL -	1369	*CV* -	0.984

Concentration	Percentile	Count
480	MAX	
114	95TH	n = 68
84	90TH	n = 68
43	70TH	n = 266
28	50TH	n = 281
20	30TH	n = 239
1	MIN	n = 448

Geoscience BC

Report 2007-6

SODIUM (NA)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

SODIUM (NA) in LAKE SEDIMENTS

Data Summary

Variable -	Na	*Mean* -	0.32
Units -	%	*Median* -	0.07
DL -	0.001	*Mode* -	0.03
Method -	ICPMS	*Range* -	9.99
N -	1370	*StD* -	0.73
N>DL -	1370	*CV* -	2.311

Concentration	Percentile	Count
10.000	MAX	
1.706	95TH	n = 68
0.888	90TH	n = 68
0.156	70TH	n = 275
0.065	50TH	n = 268
0.040	30TH	n = 278
0.010	MIN	n = 413

Geoscience BC

Report 2007-6

STRONTIUM (SR)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

STRONTIUM (SR) in LAKE SEDIMENTS

Data Summary			
Variable - Sr	*Mean* -	293.92	
Units - ppm	*Median* -	161.7	
DL - 0.5	*Mode* -	40.3	
Method - ICPMS	*Range* -	4878.4	
N - 1370	*StD* -	367.92	
N>DL - 1370	*CV* -	1.252	

Concentration		Percentile		Count
4890.1		MAX		
935.4		95TH	n =	68
693.2		90TH	n =	69
334.6		70TH	n =	274
161.7		50TH	n =	274
74.6		30TH	n =	274
11.7		MIN	n =	411

Geoscience BC

Report 2007-6

SULPHUR (S)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

SULPHUR (S) in LAKE SEDIMENTS

Data Summary			
Variable - S	*Mean* -	0.56	
Units - %	*Median* -	0.4	
DL - 0.01	*Mode* -	0.24	
Method - ICPMS	*Range* -	8.555	
N - 1370	*StD* -	0.53	
N>DL - 1367	*CV* -	0.948	

Concentration		Percentile		Count
8.56		MAX		
1.51		95TH	n =	68
1.21		90TH	n =	66
0.61		70TH	n =	267
0.40		50TH	n =	283
0.27		30TH	n =	258
0.005		MIN	n =	428

Geoscience BC

Report 2007-6

TELLURIUM (TE)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

TELLURIUM (TE) in LAKE SEDIMENTS

Data Summary			
Variable - Te	*Mean* -	0.03	
Units - ppm	*Median* -	0.02	
DL - 0.02	*Mode* -	0.01	
Method - ICPMS	*Range* -	0.29	
N - 1370	*StD* -	0.02	
N>DL - 468	*CV* -	0.947	

Concentration		Percentile		Count
0.30		MAX		
0.07	-	95TH	-	n = 48
0.06	-	90TH	-	n = 42
0.03	-	70TH	-	n = 223
0.02	-	50TH	-	n = 155
0.01	-	30TH	-	n = 245
0.01		MIN	-	n = 657

Geoscience BC

Report 2007-6

THALLIUM (TL)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

THALLIUM (TL) in LAKE SEDIMENTS

Data Summary			
Variable -	Tl	*Mean* -	0.04
Units -	ppm	*Median* -	0.03
DL -	0.02	*Mode* -	0.01
Method -	ICPMS	*Range* -	0.31
N -	1370	*StD* -	0.03
N>DL -	758	*CV* -	0.86

Concentration	Percentile	Count
0.32	MAX	
0.10	95TH	n = 61
0.08	90TH	n = 45
0.04	70TH	n = 293
0.03	50TH	n = 142
0.02	30TH	n = 217
0.01	MIN	n = 612

Geoscience BC

Report 2007-6

THORIUM (TH)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

THORIUM (TH) in LAKE SEDIMENTS

Data Summary

Variable -	Th	*Mean* -	0.3
Units -	ppm	*Median* -	0.1
DL -	0.1	*Mode* -	0.1
Method -	ICPMS	*Range* -	4.75
N -	1370	*StD* -	0.41
N>DL -	647	*CV* -	1.354

Concentration		Percentile		Count
4.8		MAX		
1.1		95TH	n =	63
0.8		90TH	n =	52
0.3		70TH	n =	233
0.1		50TH	n =	299
0.1		30TH	n =	0
0.05		MIN	n =	723

093C/09 093B/12 093B/11 093B/10 093B/09 093A/12
093C/08 093B/05 093B/06 093B/07 093B/08 093A/05
093C/01 093B/04 093B/03 093B/02 093B/01 093A/04 093A/03 093A/02
092N/16 092O/13 092O/14 092O/15 092O/16 092P/13 092P/14 092P/15
092N/09 092O/12 092O/11 092O/10 092O/09 092P/12 092P/11 092P/10
092O/07 092O/08 092P/05 092P/06 092P/07
092O/02 092O/01 092P/04 092P/03 092P/02

Chezacut, Puntzi Lake, Chilanko Forks, Redstone, Alexis Creek, White Pelican Park, Castle Rock, Marguerite, Macalister, McLeese Lake, Soda Creek, Hargreaves, Williams Lake, 150 Mile House, Riske Creek, Hanceville, Big Creek, Alkali Lake, Tatlayoko Lake, Dog Creek, Gang Ranch, Lac La Hache, Canim Lake, 100 Mile House, Green Lake, Chilco Lake

420000 440000 460000 480000 500000 520000 540000 560000 580000 600000 620000 640000 660000
124°00' 122°00'
5820000 5800000 5780000 5760000 5740000 5720000 5700000 5680000
52°00'

Geoscience BC

Report 2007-6

TITANIUM (TI)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

TITANIUM (TI) in LAKE SEDIMENTS

Data Summary

Variable -	Ti	*Mean* -	0.03
Units -	%	*Median* -	0.02
DL -	0.001	*Mode* -	0
Method -	ICPMS	*Range* -	0.989
N -	1370	*StD* -	0.06
N>DL -	1364	*CV* -	1.901

Concentration	Percentile	Count
0.990	MAX	
0.088	95TH	n = 65
0.068	90TH	n = 71
0.031	70TH	n = 271
0.019	50TH	n = 256
0.011	30TH	n = 266
0.001	MIN	n = 441

Geoscience BC

Report 2007-6

TUNGSTEN (W)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

TUNGSTEN (W) in LAKE SEDIMENTS

Data Summary			
Variable - W	*Mean* -	0.12	
Units - ppm	*Median* -	0.05	
DL - 0.1	*Mode* -	0.05	
Method - ICPMS	*Range* -	4.95	
N - 1370	*StD* -	0.26	
N>DL - 241	*CV* -	2.194	

Concentration	Percentile	Count
5.0	MAX	
0.4	95TH	n = 55
0.2	90TH	n = 62
0.05	70TH	n = 256
0.05	50TH	n = 0
0.05	30TH	n = 0
0.05	MIN	n = 997

Geoscience BC

Report 2007-6

URANIUM (U)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

URANIUM (U) in LAKE SEDIMENTS

Data Summary

Variable -	U	*Mean* -	3.76
Units -	ppm	*Median* -	2.4
DL -	0.1	*Mode* -	0.5
Method -	ICPMS	*Range* -	71.35
N -	1370	*StD* -	4.58
N>DL -	1364	*CV* -	1.22

Concentration	Percentile	Count
71.4	MAX	
11.1	95TH	n = 68
8.0	90TH	n = 69
4.1	70TH	n = 254
2.4	50TH	n = 293
1.4	30TH	n = 259
0.05	MIN	n = 427

Geoscience BC

Report 2007-6

VANADIUM (V)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

VANADIUM (V) in LAKE SEDIMENTS

Data Summary

Variable -	V	*Mean* -	30.7
Units -	ppm	*Median* -	25
DL -	2	*Mode* -	16
Method -	ICPMS	*Range* -	259
N -	1370	*StD* -	21.82
N>DL -	1357	*CV* -	0.712

Concentration	Percentile	Count
260	MAX	
71	95TH	n = 62
58	90TH	n = 69
38	70TH	n = 271
25	50TH	n = 290
17	30TH	n = 416
1	MIN	

Geoscience BC

Report 2007-6

ZINC (ZN)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

ZINC (ZN) in LAKE SEDIMENTS

Data Summary

Variable -	Zn	*Mean* -	43.87
Units -	ppm	*Median* -	32.5
DL -	0.1	*Mode* -	21.8
Method -	ICPMS	*Range* -	239.6
N -	1370	*StD* -	37.27
N>DL -	1370	*CV* -	0.849

Concentration		Percentile		Count
241.6		MAX		
124.7		95TH	n =	68
93.0		90TH	n =	69
49.0		70TH	n =	273
32.5		50TH	n =	275
20.6		30TH	n =	274
2.0		MIN	n =	411

Geoscience BC

Report 2007-6

ANTIMONY (SB)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

ANTIMONY (SB) in LAKE SEDIMENTS

Data Summary

Variable -	Sb	*Mean* -	0.62
Units -	ppm	*Median* -	0.5
DL -	0.1	*Mode* -	0.4
Method -	INAA	*Range* -	9.95
N -	1370	*StD* -	0.61
N>DL -	1358	*CV* -	0.981

Concentration	Percentile	Count
10.0	MAX	
1.2	95TH	n = 56
1.0	90TH	n = 53
0.6	70TH	n = 289
0.5	50TH	n = 227
0.4	30TH	n = 202
0.05	MIN	n = 543

Geoscience BC

Report 2007-6

ARSENIC (AS)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

ARSENIC (AS) in LAKE SEDIMENTS

Data Summary

Variable -	As	*Mean* -	4.47
Units -	ppm	*Median* -	3.6
DL -	0.5	*Mode* -	2.5
Method -	INAA	*Range* -	49.75
N -	1370	*StD* -	3.88
N>DL -	1367	*CV* -	0.868

Concentration	Percentile	Count
50.0	MAX	
10.0	95TH	n = 68
7.9	90TH	n = 69
4.9	70TH	n = 260
3.6	50TH	n = 267
2.5	30TH	n = 279
0.25	MIN	n = 427

Geoscience BC

Report 2007-6

BARIUM (BA)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

BARIUM (BA) in LAKE SEDIMENTS

Data Summary			
Variable -	Ba	*Mean* -	185.2
Units -	ppm	*Median* -	140
DL -	50	*Mode* -	25
Method -	INAA	*Range* -	1375
N -	1370	*StD* -	145.14
N>DL -	1284	*CV* -	0.784

Concentration	Percentile	Count
1400	MAX	
490	95TH	n = 65
370	90TH	n = 72
200	70TH	n = 270
140	50TH	n = 257
100	30TH	n = 262
25	MIN	n = 444

Geoscience BC

Report 2007-6

BROMINE (BR)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

BROMINE (BR) in LAKE SEDIMENTS

Data Summary

Variable -	Br	*Mean* -	66.76
Units -	ppm	*Median* -	59.8
DL -	0.5	*Mode* -	48
Method -	INAA	*Range* -	247.3
N -	1370	*StD* -	41.04
N>DL -	1370	*CV* -	0.615

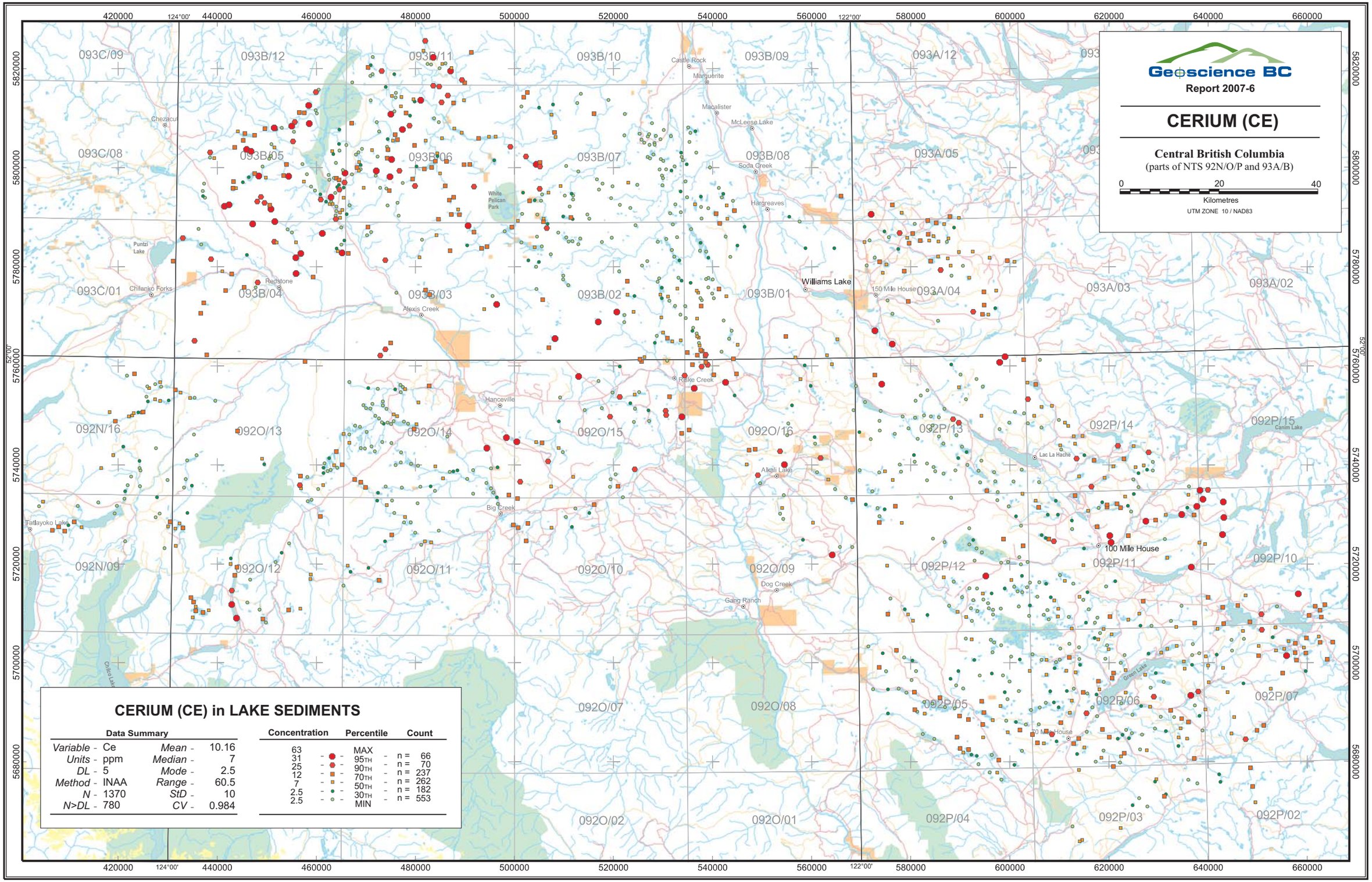
Concentration	Percentile	Count
249.0	MAX	
144.0	95TH	n = 68
121.0	90TH	n = 63
84.0	70TH	n = 278
59.8	50TH	n = 274
41.0	30TH	n = 272
1.7	MIN	n = 415

420000 124°00' 440000 460000 480000 500000 520000 540000 560000 122°00' 580000 600000 620000 640000 660000

5820000 5800000 5780000 5760000 5740000 5720000 5700000 5680000 52°00'

093C/09 093B/12 093B/11 093B/10 093B/09 093A/12 093
093C/08 093B/05 093B/06 093B/07 093B/08 093A/05 093
093C/01 093B/04 093B/03 093B/02 093B/01 093A/04 093A/03 093A/02
092N/16 092O/13 092O/14 092O/15 092O/16 092P/13 092P/14 092P/15
092N/09 092O/12 092O/11 092O/10 092O/09 092P/12 092P/11 092P/10
092O/07 092O/08 092P/05 092P/06 092P/07
092O/02 092O/01 092P/04 092P/03 092P/02

Chezacut
Puntzi Lake
Chilanko Forks
Redstone
Alexis Creek
Castle Rock
Marguerite
Macalister
McLeese Lake
Soda Creek
White Pelican Park
Hargreaves
Williams Lake
150 Mile House
Riske Creek
Hanceville
Alkali Lake
Big Creek
Tatlayoko Lake
Dog Creek
Gang Ranch
Chilko Lake
Canim Lake
Lac La Hache
100 Mile House
Green Lake



Geoscience BC
Report 2007-6
CERIUM (CE)
Central British Columbia
(parts of NTS 92N/O/P and 93A/B)
0 20 40
Kilometres
UTM ZONE 10 / NAD83
CERIUM (CE) in LAKE SEDIMENTS
Data Summary
Variable - Ce
Units - ppm
DL - 5
Method - INAA
N - 1370
N>DL - 780
Mean - 10.16
Median - 7
Mode - 2.5
Range - 60.5
StD - 10
CV - 0.984
Concentration
Percentile
Count
63 MAX n = 66
31 95TH n = 70
25 90TH n = 237
12 70TH n = 262
7 50TH n = 182
2.5 30TH n = 553
2.5 MIN
093C/09
093B/12
093B/11
093B/10
093B/09
093A/12
093C/08
093B/05
093B/06
093B/07
093B/08
093A/05
093C/01
093B/04
093B/03
093B/02
093B/01
093A/04
093A/03
093A/02
092N/16
092O/13
092O/14
092O/15
092O/16
092P/13
092P/14
092P/15
092N/09
092O/12
092O/11
092O/10
092O/09
092P/12
092P/11
092P/10
092O/07
092O/08
092P/05
092P/06
092P/07
092O/02
092O/01
092P/04
092P/03
092P/02
Williams Lake
100 Mile House
Castle Rock
Marguerite
Macalister
McLeese Lake
Soda Creek
Hargreaves
White Pelican Park
Chezacut
Puntzi Lake
Chilanko Forks
Redstone
Alexis Creek
150 Mile House
Riske Creek
Hanceville
Alkali Lake
Big Creek
Tatlayoko Lake
Dog Creek
Gang Ranch
Lac La Hache
Canim Lake
Green Lake
Chilco Lake
420000
440000
460000
480000
500000
520000
540000
560000
580000
600000
620000
640000
660000
124°00'
122°00'
52°00'
5820000
5800000
5780000
5760000
5740000
5720000
5700000
5680000

Geoscience BC

Report 2007-6

CESIUM (CS)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

CESIUM (CS) in LAKE SEDIMENTS

Data Summary

Variable -	Cs	*Mean* -	0.46
Units -	ppm	*Median* -	0.25
DL -	0.5	*Mode* -	0.25
Method -	INAA	*Range* -	4.85
N -	1370	*StD* -	0.45
N>DL -	324	*CV* -	0.987

Concentration	Percentile	Count
5.1	MAX	
2.3	99TH	n = 12
1.4	95TH	n = 47
1.0	90TH	n = 72
0.8	85TH	n = 49
0.25	50TH	n = 193
0.25	MIN	n = 997

Geoscience BC

Report 2007-6

CHROMIUM (CR)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

CHROMIUM (CR) in LAKE SEDIMENTS

Data Summary			
Variable - Cr	*Mean* -	35.4	
Units - ppm	*Median* -	10	
DL - 20	*Mode* -	10	
Method - INAA	*Range* -	1090	
N - 1370	*StD* -	50.54	
N>DL - 668	*CV* -	1.428	

Concentration	Percentile	Count
1100	MAX	
120	95TH	n = 55
84	90TH	n = 81
37	70TH	n = 273
10	50TH	n = 269
10	30TH	n = 0
10	MIN	n = 692

Geoscience BC

Report 2007-6

COBALT (CO)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

COBALT (CO) in LAKE SEDIMENTS

Data Summary			
Variable - Co	*Mean* -	8.7	
Units - ppm	*Median* -	7	
DL - 5	*Mode* -	2.5	
Method - INAA	*Range* -	85.5	
N - 1370	*StD* -	6.51	
N>DL - 909	*CV* -	0.749	

Concentration	Percentile	Count
88	MAX	
21	95TH	n = 57
17	90TH	n = 70
11	70TH	n = 231
7	50TH	n = 323
5	30TH	n = 228
2.5	MIN	n = 461

Geoscience BC

Report 2007-6

EUROPIUM (EU)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

EUROPIUM (EU) in LAKE SEDIMENTS

Data Summary

Variable -	Eu	*Mean* -	0.56
Units -	ppm	*Median* -	0.5
DL -	1	*Mode* -	0.5
Method -	INAA	*Range* -	1.5
N -	1370	*StD* -	0.25
N>DL -	32	*CV* -	0.443

Concentration		Percentile		Count
2		MAX		
2		99TH	n =	0
1		95TH	n =	32
0.5		90TH	n =	68
0.5		85TH	n =	0
0.5		50TH	n =	0
0.5		MIN	n =	1270

093C/09 093B/12 093B/11 093B/10 093B/09 093A/12
093C/08 093B/05 093B/06 093B/07 093B/08 093A/05
093C/01 093B/04 093B/03 093B/02 093B/01 093A/04 093A/03 093A/02
092N/16 092O/13 092O/14 092O/15 092O/16 092P/13 092P/14 092P/15
092N/09 092O/12 092O/11 092O/10 092O/09 092P/12 092P/11 092P/10
092O/07 092O/08 092P/05 092P/06 092P/07
092O/02 092O/01 092P/04 092P/03 092P/02

Castle Rock, Marguerite, Macalister, McLeese Lake, Soda Creek, Hargreaves, White Pelican Park, Chezacut, Puntzi Lake, Chilanko Forks, Redstone, Alexis Creek, Williams Lake, 150 Mile House, Kluke Creek, Hanceville, Canim Lake, Lac La Hache, Alkali Lake, Big Creek, Tatlayoko Lake, 100 Mile House, Dog Creek, Gang Ranch, Chilco Lake, Green Lake

420000 440000 460000 480000 500000 520000 540000 560000 580000 600000 620000 640000 660000
124°00' 122°00'
5820000 5800000 5780000 5760000 5740000 5720000 5700000 5680000
52°00'

Geoscience BC

Report 2007-6

GOLD (AU)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

GOLD (AU) in LAKE SEDIMENTS

Data Summary

Variable -	Au	*Mean* -	1.4
Units -	ppb	*Median* -	1
DL -	2	*Mode* -	1
Method -	INAA	*Range* -	14
N -	1370	*StD* -	1.09
N>DL -	159	*CV* -	0.79

Concentration	Percentile	Count
15	MAX	
5	99TH	n = 12
4	95TH	n = 14
3	90TH	n = 43
2	85TH	n = 90
1	50TH	n = 67
1	MIN	n = 1144

Geoscience BC

Report 2007-6

HAFNIUM (HF)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

HAFNIUM (HF) in LAKE SEDIMENTS

Data Summary			
Variable -	Hf	*Mean* -	0.96
Units -	ppm	*Median* -	0.5
DL -	1	*Mode* -	0.5
Method -	INAA	*Range* -	5.5
N -	1370	*StD* -	0.91
N>DL -	260	*CV* -	0.952

Concentration		Percentile		Count
6		MAX		
4		99TH	n =	8
3		95TH	n =	34
2		90TH	n =	72
2		85TH	n =	0
0.5		50TH	n =	290
0.5		MIN	n =	966

Geoscience BC

Report 2007-6

IRON (FE)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

IRON (FE) in LAKE SEDIMENTS

Data Summary

Variable -	Fe	*Mean* -	1.91
Units -	%	*Median* -	1.5
DL -	0.2	*Mode* -	0.8
Method -	INAA	*Range* -	14.9
N -	1370	*StD* -	1.56
N>DL -	1345	*CV* -	0.815

Concentration	Percentile	Count
15.0	MAX	
4.6	95TH	n = 63
3.8	90TH	n = 69
2.2	70TH	n = 265
1.5	50TH	n = 258
1.0	30TH	n = 248
0.1	MIN	n = 467

420000 124°00' 440000 460000 480000 500000 520000 540000 560000 122°00' 580000 600000 620000 640000 660000

5820000 5800000 5780000 5760000 5740000 5720000 5700000 5680000

52°00'

Geoscience BC

Report 2007-6

LANTHANUM (LA)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

LANTHANUM (LA) in LAKE SEDIMENTS

Data Summary			
Variable -	La	*Mean* -	4.6
Units -	ppm	*Median* -	3
DL -	2	*Mode* -	1
Method -	INAA	*Range* -	33
N -	1370	*StD* -	4.72
N>DL -	749	*CV* -	1.033

Concentration	Percentile	Count
34	MAX	
14	95TH	n = 68
12	90TH	n = 46
5	70TH	n = 279
3	50TH	n = 209
1	30TH	n = 226
1	MIN	n = 542

420000 124°00' 440000 460000 480000 500000 520000 540000 560000 122°00' 580000 600000 620000 640000 660000

5820000 5800000 5780000 5760000 52°00' 5740000 5720000 5700000 5680000

Geoscience BC

Report 2007-6

LUTETIUM (LU)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

LUTETIUM (LU) in LAKE SEDIMENTS

Data Summary			
Variable -	Lu	*Mean* -	0.11
Units -	ppm	*Median* -	0.1
DL -	0.2	*Mode* -	0.1
Method -	INAA	*Range* -	0.5
N -	1370	*StD* -	0.05
N>DL -	63	*CV* -	0.473

Concentration		Percentile		Count
0.6		MAX		
0.4		99TH	n =	5
0.2		95TH	n =	58
0.1		90TH	n =	51
0.1		85TH	n =	0
0.1		50TH	n =	0
0.1		MIN	n =	1256

Chezacut
Puntzi Lake
Chilanko Forks
Redstone
Alexis Creek
White Pelican Park
Castle Rock
Marguerite
Macalister
McLeese Lake
Soda Creek
Hargreaves
Williams Lake
150 Mile House
Riske Creek
Hanceville
Big Creek
Tatlayoko Lake
Chilko Lake
Alkali Lake
Dog Creek
Gang Ranch
Lac La Hache
100 Mile House
Canim Lake
Green Lake

Geoscience BC

Report 2007-6

MOLYBDENUM (MO)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

MOLYBDENUM (MO) in LAKE SEDIMENTS

Data Summary

Variable -	Mo	*Mean* -	5.88
Units -	ppm	*Median* -	5
DL -	1	*Mode* -	3
Method -	INAA	*Range* -	55.5
N -	1370	*StD* -	5.27
N>DL -	1258	*CV* -	0.898

Concentration	Percentile	Count
56	MAX	
14	95TH	n = 66
11	90TH	n = 62
7	70TH	n = 185
5	50TH	n = 226
3	30TH	n = 337
0.5	MIN	n = 494

Geoscience BC

Report 2007-6

RUBIDIUM (RB)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

RUBIDIUM (RB) in LAKE SEDIMENTS

Data Summary

Variable -	Rb	*Mean* -	8.3
Units -	ppm	*Median* -	3
DL -	5	*Mode* -	3
Method -	INAA	*Range* -	107
N -	1370	*StD* -	9.81
N>DL -	515	*CV* -	1.188

Concentration	Percentile	Count
110	MAX	
44	99TH	n = 12
29	95TH	n = 56
20	90TH	n = 67
16	85TH	n = 54
3	50TH	n = 335
3	MIN	n = 846

Geoscience BC

Report 2007-6

SAMARIUM (SM)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

SAMARIUM (SM) in LAKE SEDIMENTS

Data Summary			
Variable - Sm	*Mean* -	0.95	
Units - ppm	*Median* -	0.6	
DL - 0.1	*Mode* -	0.05	
Method - INAA	*Range* -	5.75	
N - 1370	*StD* -	1.06	
N>DL - 1039	*CV* -	1.108	

Concentration	Percentile	Count
5.8	MAX	
3.2	95TH	n = 64
2.6	90TH	n = 71
1.1	70TH	n = 251
0.6	50TH	n = 241
0.2	30TH	n = 318
0.05	MIN	n = 425

Geoscience BC

Report 2007-6

SCANDIUM (SC)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

SCANDIUM (SC) in LAKE SEDIMENTS

Data Summary			
Variable - Sc	*Mean* -	4.27	
Units - ppm	*Median* -	2.6	
DL - 0.2	*Mode* -	0.6	
Method - INAA	*Range* -	25.1	
N - 1370	*StD* -	4.26	
N>DL - 1361	*CV* -	0.997	

Concentration	Percentile	Count
25.2	MAX	
14.0	95TH	n = 53
11.0	90TH	n = 66
4.8	70TH	n = 287
2.6	50TH	n = 271
1.5	30TH	n = 257
0.1	MIN	n = 436

Geoscience BC

Report 2007-6

SODIUM (NA)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

SODIUM (NA) in LAKE SEDIMENTS

Data Summary

Variable -	Na	*Mean* -	0.78
Units -	%	*Median* -	0.42
DL -	0.02	*Mode* -	1
Method -	INAA	*Range* -	10.55
N -	1370	*StD* -	0.97
N>DL -	1370	*CV* -	1.252

Concentration	Percentile	Count
10.60	MAX	
2.50	95TH	n = 68
1.70	90TH	n = 67
0.80	70TH	n = 276
0.42	50TH	n = 274
0.26	30TH	n = 263
0.05	MIN	n = 422

Geoscience BC

Report 2007-6

TANTALUM (TA)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

TANTALUM (TA) in LAKE SEDIMENTS

Data Summary

Variable -	Ta	*Mean* -	0.3
Units -	ppm	*Median* -	0.25
DL -	0.5	*Mode* -	0.25
Method -	INAA	*Range* -	1.95
N -	1370	*StD* -	0.16
N>DL -	128	*CV* -	0.545

Concentration		Percentile		Count
2.2		MAX		
0.9		99TH	n =	13
0.7		95TH	n =	43
0.5		90TH	n =	72
0.25		85TH	n =	23
0.25		50TH	n =	0
0.25		MIN	n =	1219

093C/09 093B/12 093B/11 093B/10 093B/09 093A/12
093C/08 093B/05 093B/06 093B/07 093B/08 093A/05
093C/01 093B/04 093B/03 093B/02 093B/01 093A/04 093A/03 093A/02
092N/16 092O/13 092O/14 092O/15 092O/16 092P/13 092P/14 092P/15
092N/09 092O/12 092O/11 092O/10 092O/09 092P/12 092P/11 092P/10
092O/07 092O/08 092P/05 092P/06 092P/07
092O/02 092O/01 092P/04 092P/03 092P/02

Chezacut, Puntzi Lake, Chilanko Forks, Redstone, Alexis Creek, White Pelican Park, Castle Rock, Marguerite, Macalister, McLeese Lake, Soda Creek, Hargreaves, Williams Lake, 150 Mile House, Canim Lake, Lac La Hache, Alkali Lake, Hanceville, Kleke Creek, Big Creek, Tatlayoko Lake, Chilko Lake, Dog Creek, Gang Ranch, 100 Mile House, Green Lake

420000 440000 460000 480000 500000 520000 540000 560000 580000 600000 620000 640000 660000
124°00' 122°00'
5820000 5800000 5780000 5760000 5740000 5720000 5700000 5680000
52°00'

Geoscience BC

Report 2007-6

TERBIUM (TB)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

TERBIUM (TB) in LAKE SEDIMENTS

Data Summary

Variable -	Tb	*Mean* -	0.27
Units -	ppm	*Median* -	0.25
DL -	0.5	*Mode* -	0.25
Method -	INAA	*Range* -	0.55
N -	1370	*StD* -	0.07
N>DL -	35	*CV* -	0.275

Concentration		Percentile		Count
0.8		MAX		
0.7		99TH	n =	3
0.25		95TH	n =	60
0.25		90TH	n =	0
0.25		85TH	n =	0
0.25		50TH	n =	0
0.25		MIN	n =	1307

093C/09 093B/12 093B/11 093B/10 093B/09 093A/12
093C/08 093B/05 093B/06 093B/07 093B/08 093A/05
093C/01 093B/04 093B/03 093B/02 093B/01 093A/04 093A/03 093A/02
092N/16 092O/13 092O/14 092O/15 092O/16 092P/13 092P/14 092P/15
092N/09 092O/12 092O/11 092O/10 092O/09 092P/12 092P/11 092P/10
092O/07 092O/08 092P/05 092P/06 092P/07
092O/02 092O/01 092P/04 092P/03 092P/02

Chezacut, Puntzi Lake, Chilanko Forks, Redstone, Alexis Creek, White Pelican Park, Castle Rock, Marguerite, Macalister, McLeese Lake, Soda Creek, Hargreaves, Williams Lake, 150 Mile House, Rose Creek, Hanceville, Big Creek, Alkali Lake, Tatlayoko Lake, Dog Creek, Gang Ranch, Chilco Lake, Lac La Hache, Canim Lake, 100 Mile House, Green Lake

420000 440000 460000 480000 500000 520000 540000 560000 580000 600000 620000 640000 660000
124°00' 122°00'
5820000 5800000 5780000 5760000 5740000 5720000 5700000 5680000
52°00'

Geoscience BC

Report 2007-6

THORIUM (TH)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

THORIUM (TH) in LAKE SEDIMENTS

Data Summary

Variable -	Th	*Mean* -	0.88
Units -	ppm	*Median* -	0.6
DL -	0.2	*Mode* -	0.1
Method -	INAA	*Range* -	9.1
N -	1370	*StD* -	0.95
N>DL -	1067	*CV* -	1.078

Concentration	Percentile	Count
9.2	MAX	
2.8	95TH	n = 65
2.1	90TH	n = 68
1.0	70TH	n = 251
0.6	50TH	n = 215
0.3	30TH	n = 313
0.1	MIN	n = 458

Geoscience BC

Report 2007-6

TUNGSTEN (W)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

TUNGSTEN (W) in LAKE SEDIMENTS

Data Summary			
Variable -	W	*Mean* -	0.55
Units -	ppm	*Median* -	0.5
DL -	1	*Mode* -	0.5
Method -	INAA	*Range* -	5.5
N -	1370	*StD* -	0.28
N>DL -	23	*CV* -	0.518

Concentration		Percentile		Count
6		MAX		
2		99TH	n =	3
1		95TH	n =	20
0.5		90TH	n =	50
0.5		85TH	n =	0
0.5		50TH	n =	0
0.5		MIN	n =	1297

Geoscience BC

Report 2007-6

URANIUM (U)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

URANIUM (U) in LAKE SEDIMENTS

Data Summary

Variable -	U	*Mean* -	4.14
Units -	ppm	*Median* -	2.6
DL -	0.2	*Mode* -	2.1
Method -	INAA	*Range* -	85.3
N -	1370	*StD* -	5.02
N>DL -	1350	*CV* -	1.21

Concentration		Percentile		Count
85.4		MAX		
12.0		95TH	n =	58
8.7		90TH	n =	79
4.5		70TH	n =	264
2.6		50TH	n =	283
1.6		30TH	n =	275
0.1		MIN	n =	411

Geoscience BC

Report 2007-6

YTTERBIUM (YB)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

YTTERBIUM (YB) in LAKE SEDIMENTS

Data Summary			
Variable -	Yb	*Mean* -	1.06
Units -	ppm	*Median* -	1
DL -	2	*Mode* -	1
Method -	INAA	*Range* -	3
N -	1370	*StD* -	0.32
N>DL -	26	*CV* -	0.303

Concentration	Percentile	Count
4	MAX	
3	99TH	n = 2
1	95TH	n = 58
1	90TH	n = 0
1	85TH	n = 0
1	50TH	n = 0
1	MIN	n = 1310

Geoscience BC

Report 2007-6

FLUORINE (F)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

FLUORINE (F) in LAKE SEDIMENTS

Data Summary

Variable -	F	*Mean* -	286.1
Units -	ppm	*Median* -	230
DL -	10	*Mode* -	40
Method -	ION	*Range* -	1815
N -	1370	*StD* -	223.22
N>DL -	1349	*CV* -	0.78

Concentration		Percentile		Count
1820		MAX		
710		95TH	n =	66
600		90TH	n =	68
370		70TH	n =	271
230		50TH	n =	264
130		30TH	n =	281
5		MIN	n =	420

Geoscience BC

Report 2007-6

LOSS on IGNITION (LOI)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

LOSS on IGNITION (LOI) in LAKE SEDIMENTS

Data Summary

Variable -	LOI	*Mean* -	46.29
Units -	%	*Median* -	44.1
DL -	0.1	*Mode* -	37.8
Method -	GRAV	*Range* -	86.5
N -	1370	*StD* -	17.92
N>DL -	1370	*CV* -	0.387

Concentration		Percentile		Count
91.6		MAX		
79.5		95TH	n =	67
73.2		90TH	n =	69
54.3		70TH	n =	273
44.1		50TH	n =	273
35.8		30TH	n =	275
5.1		MIN	n =	413

Geoscience BC

Report 2007-6

FLUORIDE (FW)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

FLUORIDE (FW) in LAKE WATERS

Data Summary

Variable -	FW	*Mean* -	281.4
Units -	ppb	*Median* -	190
DL -	20	*Mode* -	150
Method -	ION	*Range* -	15990
N -	1370	*StD* -	708.17
N>DL -	1365	*CV* -	2.517

Concentration	Percentile	Count
16000	MAX	
550	95TH	n = 67
420	90TH	n = 70
250	70TH	n = 266
190	50TH	n = 256
140	30TH	n = 260
10	MIN	n = 451

Geoscience BC

Report 2007-6

CONDUCTIVITY (CND)

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

CONDUCTIVITY (CND) in LAKE WATERS

Data Summary			
Variable - CND	*Mean* -	1662.3	
Units - uS	*Median* -	511	
DL - 1	*Mode* -	191	
Method - ISE	*Range* -	19980	
N - 1370	*StD* -	3632	
N>DL - 1370	*CV* -	2.185	

Concentration	Percentile	Count
20000	MAX	
9140	95TH	n = 68
3212	90TH	n = 69
892	70TH	n = 274
511	50TH	n = 274
334	30TH	n = 274
20	MIN	n = 411

Geoscience BC

Report 2007-6

pH

Central British Columbia
(parts of NTS 92N/O/P and 93A/B)

0 20 40
Kilometres

UTM ZONE 10 / NAD83

pH in LAKE WATERS

Data Summary

Variable -	PH	*Mean* -	8.91
Units -		*Median* -	8.8
DL -	0.1	*Mode* -	8.8
Method -	ISE	*Range* -	4.6
N -	1370	*StD* -	0.71
N>DL -	1370	*CV* -	0.079

Concentration	Percentile	Count
11.1	MAX	
9.9	90TH	n = 131
9.2	70TH	n = 285
8.6	30TH	n = 491
8.1	10TH	n = 312
6.5	MIN	n = 151