



REGIONAL STREAM SEDIMENT AND WATER GEOCHEMICAL DATA

VANCOUVER ISLAND, BRITISH COLUMBIA

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

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Kilometres
BC ALBERS EQUAL AREA
NAD83

- Primary Roads
- Lakes & Streams
- Contours
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Sample Site Locations

- Stream Based Routine Sample Site
- Stream Based Field Duplicate Site
- Upstream Drainage Basin Boundary

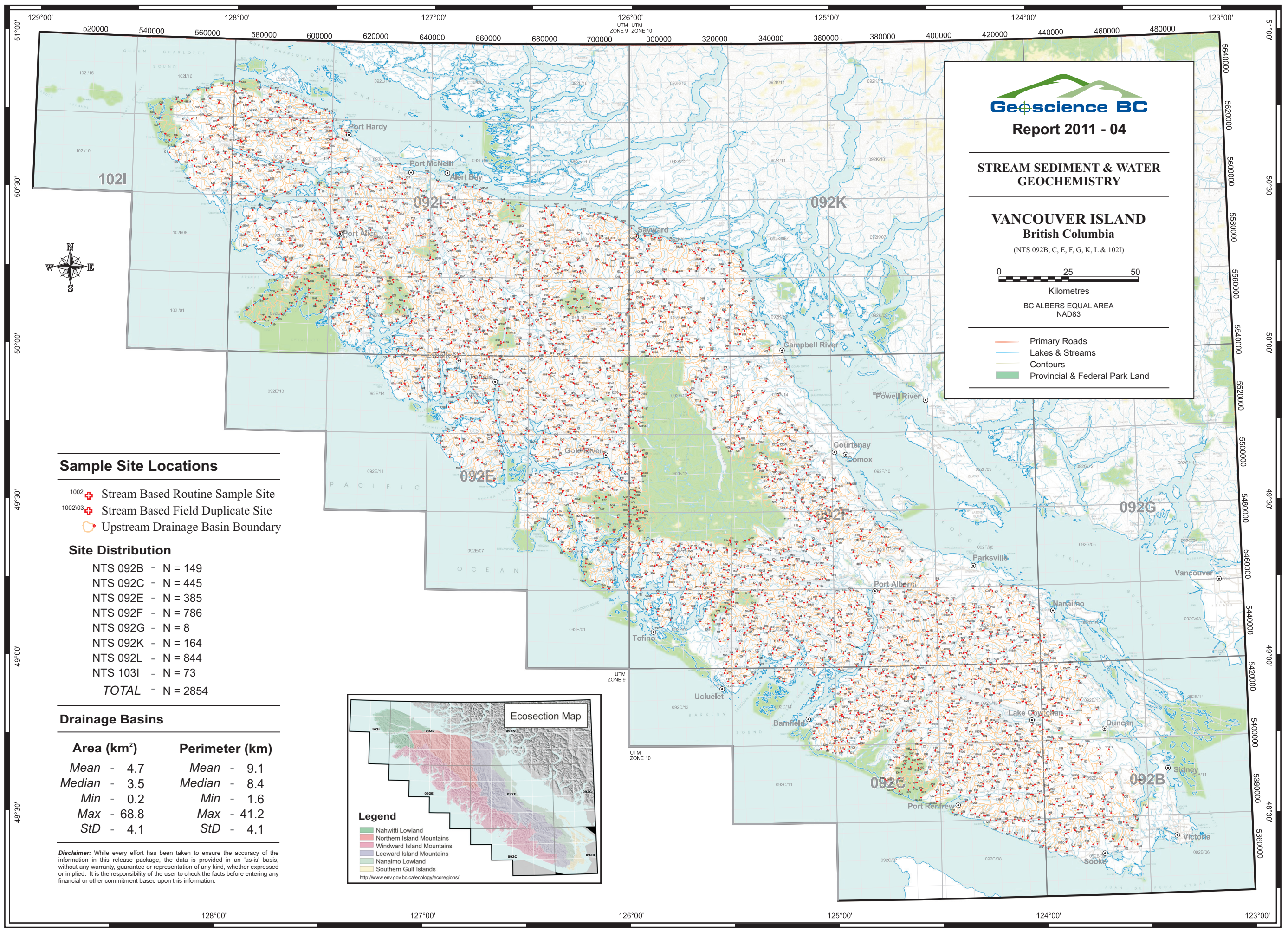
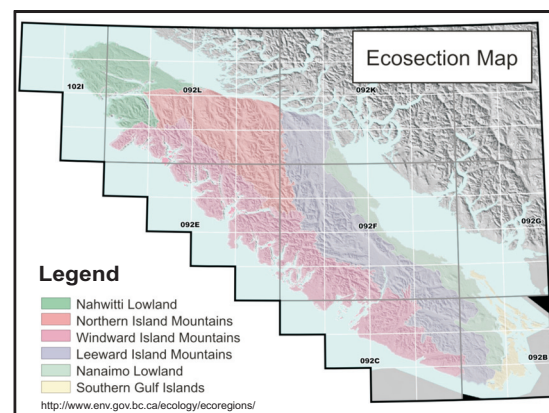
Site Distribution

- NTS 092B - N = 149
- NTS 092C - N = 445
- NTS 092E - N = 385
- NTS 092F - N = 786
- NTS 092G - N = 8
- NTS 092K - N = 164
- NTS 092L - N = 844
- NTS 103I - N = 73
- TOTAL - N = 2854**

Drainage Basins

Area (km ²)	Perimeter (km)
Mean - 4.7	Mean - 9.1
Median - 3.5	Median - 8.4
Min - 0.2	Min - 1.6
Max - 68.8	Max - 41.2
StD - 4.1	StD - 4.1

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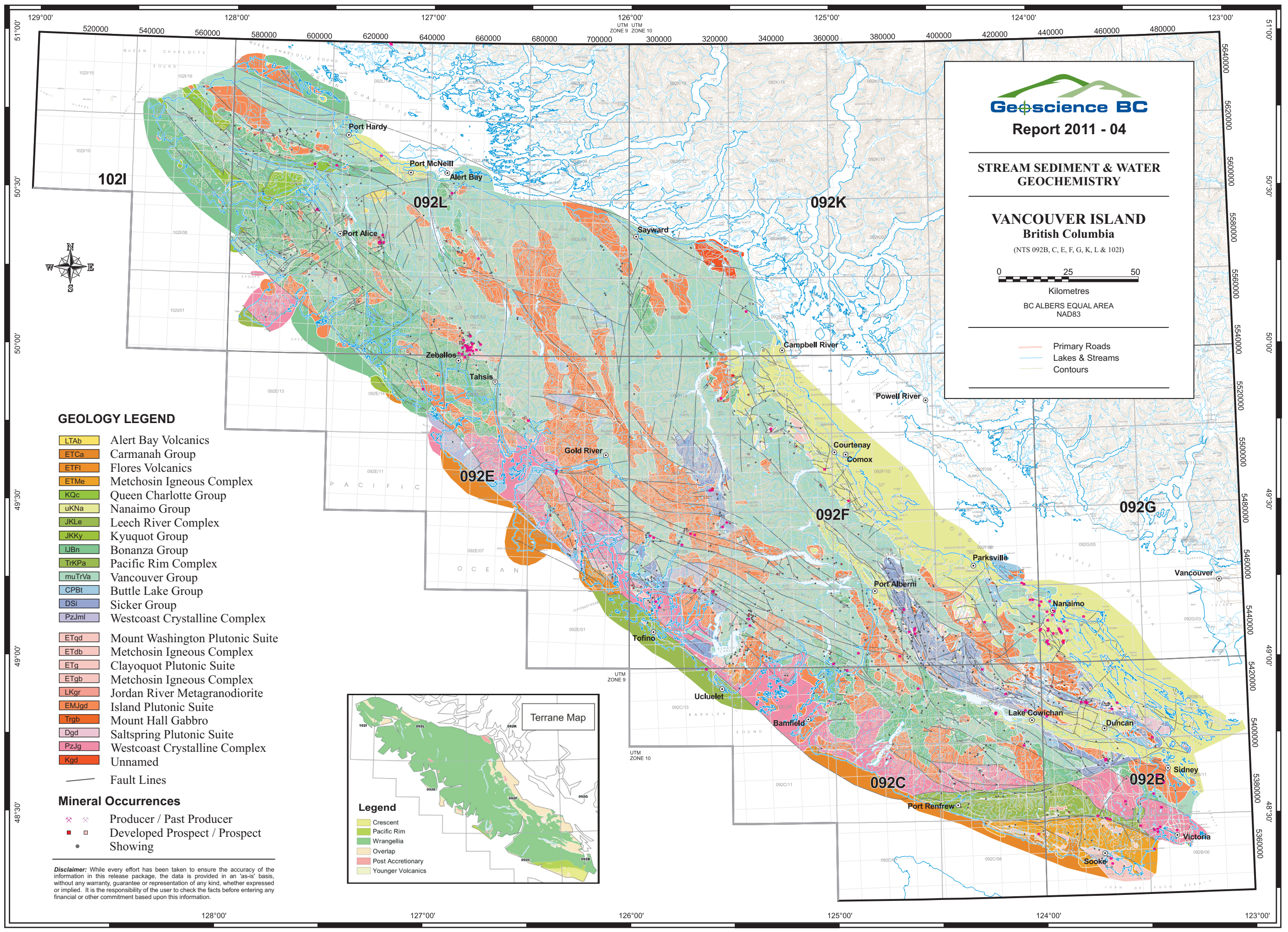
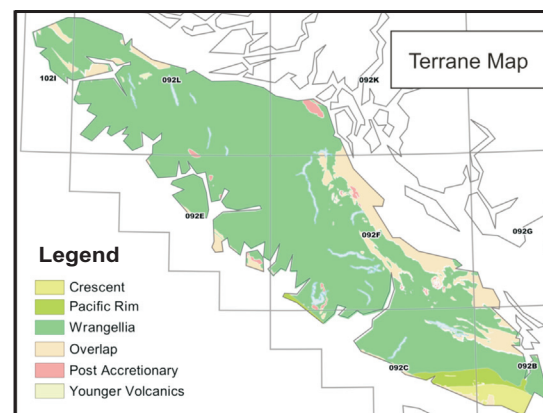
GEOLOGY LEGEND

- | | | |
|--|--------------|---------------------------------|
| | LTA b | Alert Bay Volcanics |
| | ETCa | Carmanah Group |
| | ETFi | Flores Volcanics |
| | ETMe | Metchosin Igneous Complex |
| | KQc | Queen Charlotte Group |
| | uKNa | Nanaimo Group |
| | JKLe | Leech River Complex |
| | JKKy | Kyuquot Group |
| | lJBn | Bonanza Group |
| | TrKPa | Pacific Rim Complex |
| | muTrVa | Vancouver Group |
| | CPBt | Buttle Lake Group |
| | DSi | Sicker Group |
| | PzJml | Westcoast Crystalline Complex |
| | ETqd | Mount Washington Plutonic Suite |
| | ETdb | Metchosin Igneous Complex |
| | ETg | Clayoquot Plutonic Suite |
| | ETgb | Metchosin Igneous Complex |
| | LKgr | Jordan River Metagranodiorite |
| | EMJgd | Island Plutonic Suite |
| | Trgb | Mount Hall Gabbro |
| | Dgd | Saltspring Plutonic Suite |
| | PzJg | Westcoast Crystalline Complex |
| | Kgd | Unnamed |
| | | Fault Lines |

Mineral Occurrences

- Producer / Past Producer
- Developed Prospect / Prospect
- Showing

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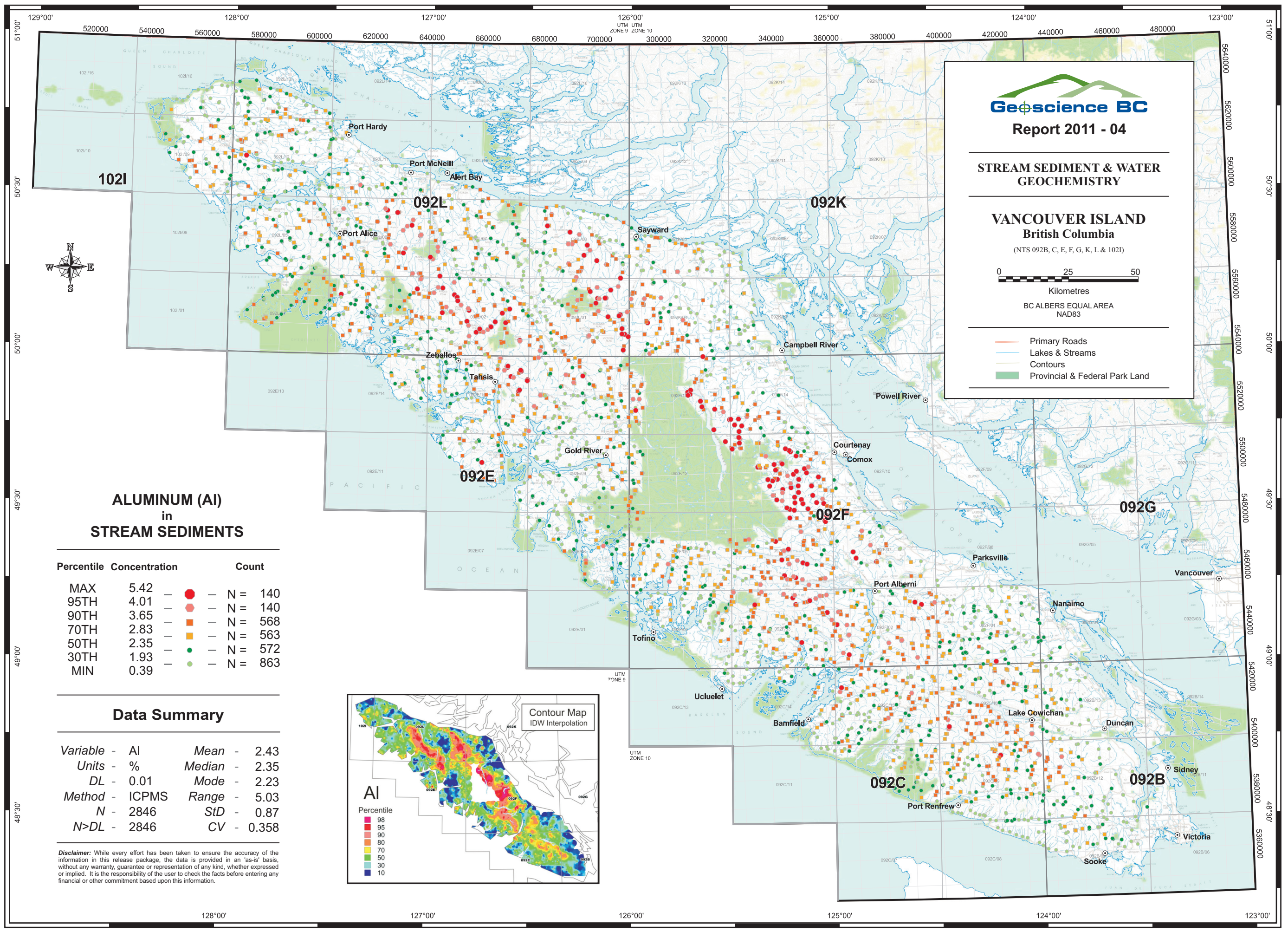
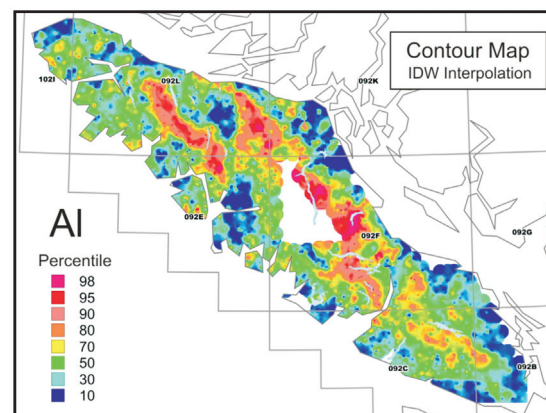
ALUMINUM (Al)
in
STREAM SEDIMENTS

Percentile	Concentration	Count
MAX	5.42	N = 140
95TH	4.01	N = 140
90TH	3.65	N = 568
70TH	2.83	N = 563
50TH	2.35	N = 572
30TH	1.93	N = 863
MIN	0.39	

Data Summary

Variable - Al	Mean - 2.43
Units - %	Median - 2.35
DL - 0.01	Mode - 2.23
Method - ICPMS	Range - 5.03
N - 2846	StD - 0.87
N>DL - 2846	CV - 0.358

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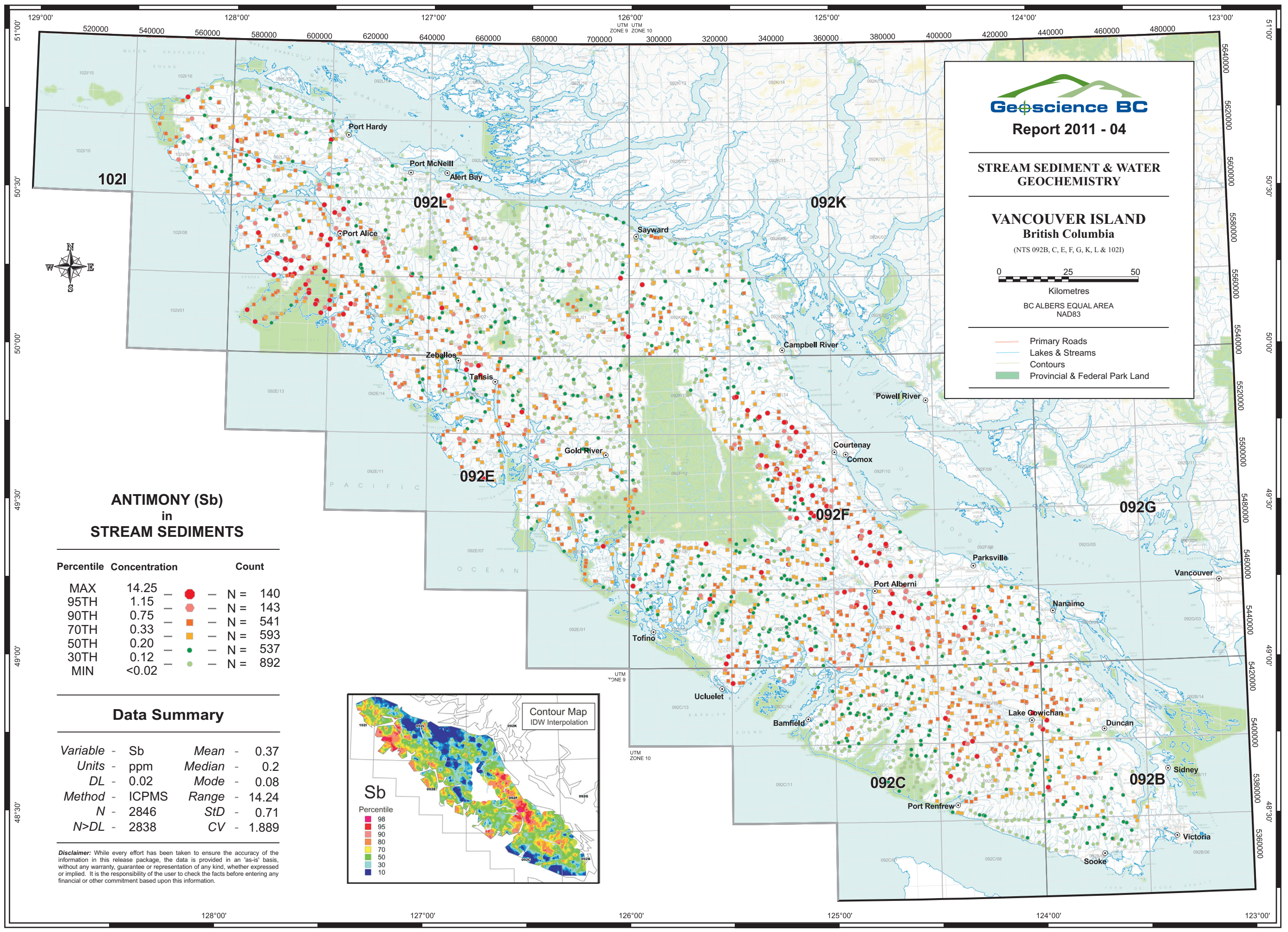
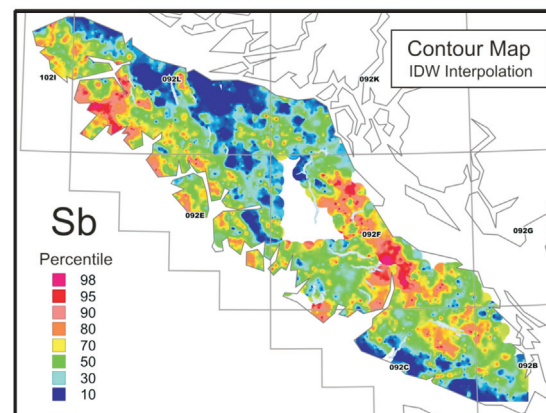
**ANTIMONY (Sb)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	14.25	N = 140
95TH	1.15	N = 143
90TH	0.75	N = 541
70TH	0.33	N = 593
50TH	0.20	N = 537
30TH	0.12	N = 892
MIN	<0.02	

Data Summary

Variable - Sb	Mean - 0.37
Units - ppm	Median - 0.2
DL - 0.02	Mode - 0.08
Method - ICPMS	Range - 14.24
N - 2846	StD - 0.71
N>DL - 2838	CV - 1.889

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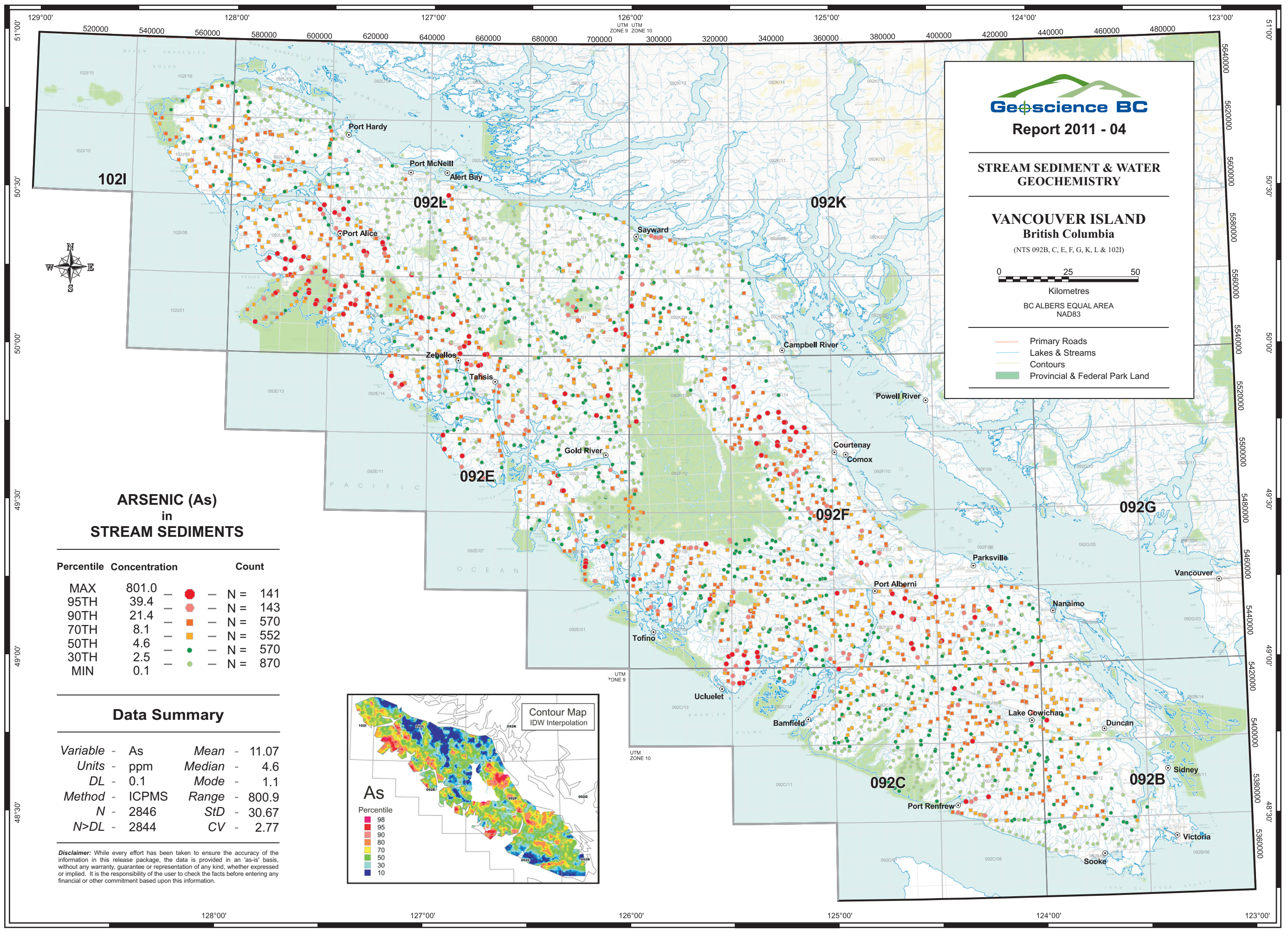
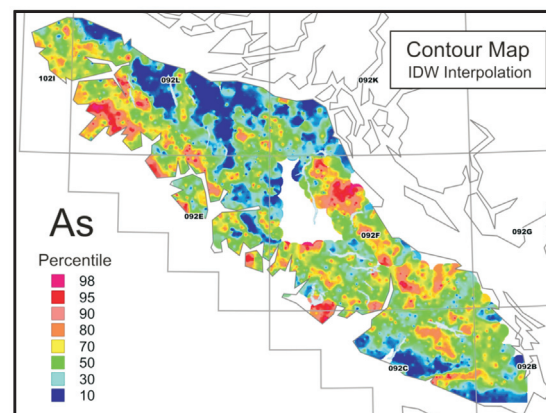
**ARSENIC (As)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	801.0	N = 141
95TH	39.4	N = 143
90TH	21.4	N = 570
70TH	8.1	N = 552
50TH	4.6	N = 570
30TH	2.5	N = 870
MIN	0.1	

Data Summary

Variable - As	Mean - 11.07
Units - ppm	Median - 4.6
DL - 0.1	Mode - 1.1
Method - ICPMS	Range - 800.9
N - 2846	StD - 30.67
N>DL - 2844	CV - 2.77

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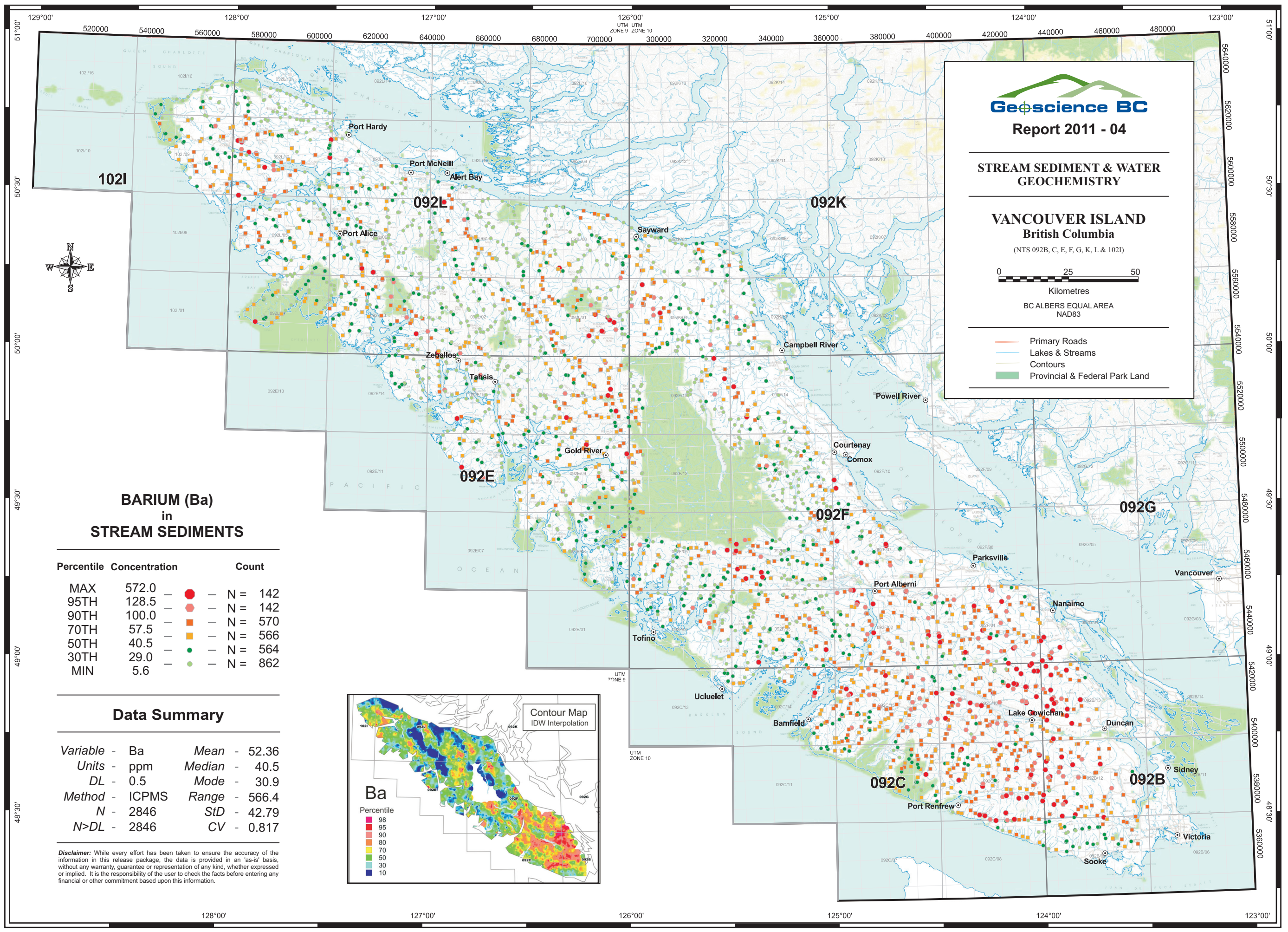
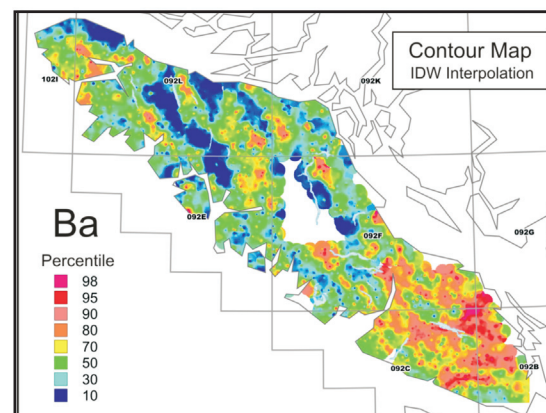
**BARIUM (Ba)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	572.0	N = 142
95TH	128.5	N = 142
90TH	100.0	N = 570
70TH	57.5	N = 566
50TH	40.5	N = 564
30TH	29.0	N = 862
MIN	5.6	

Data Summary

Variable - Ba	Mean - 52.36
Units - ppm	Median - 40.5
DL - 0.5	Mode - 30.9
Method - ICPMS	Range - 566.4
N - 2846	StD - 42.79
N>DL - 2846	CV - 0.817

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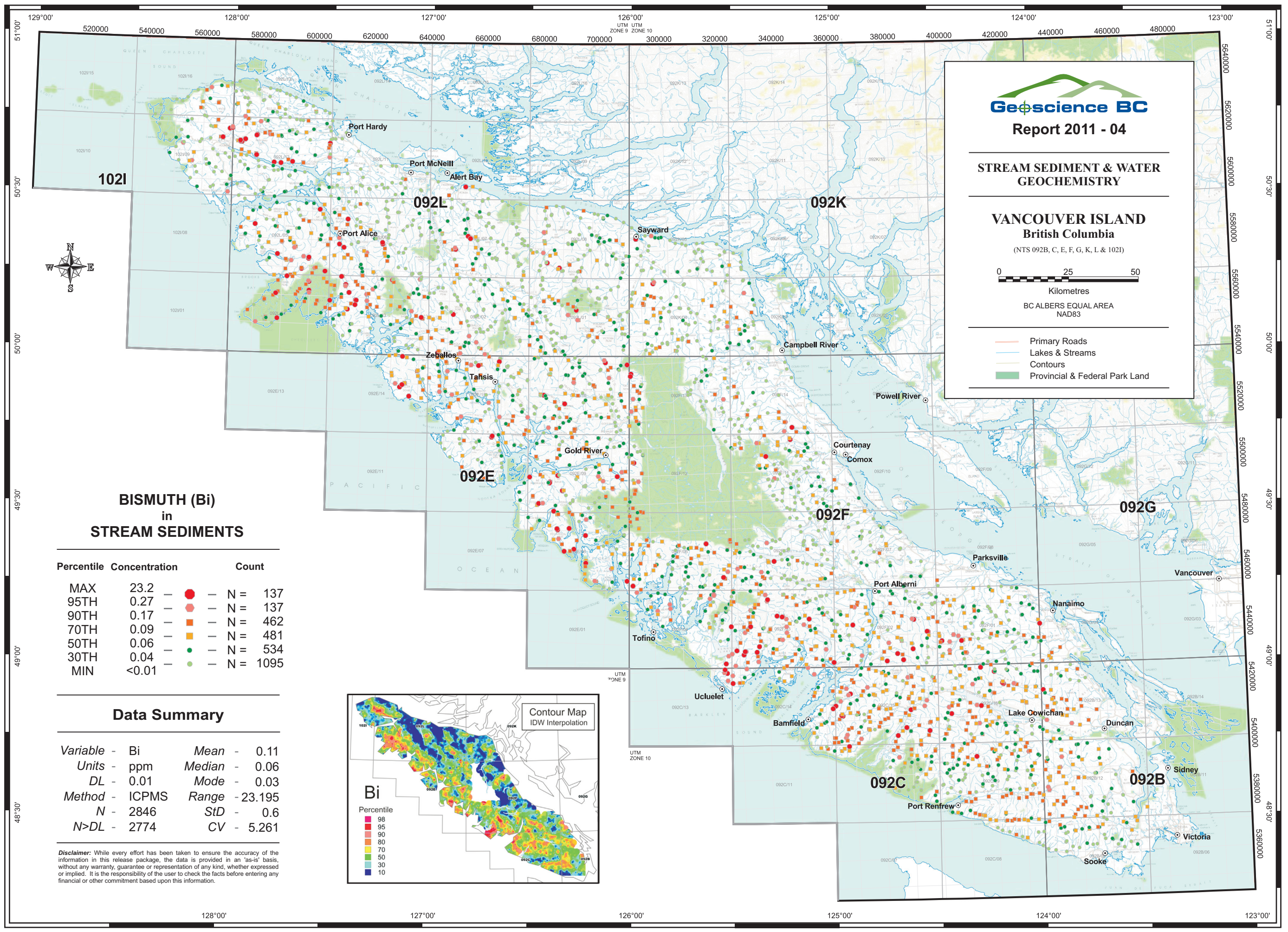
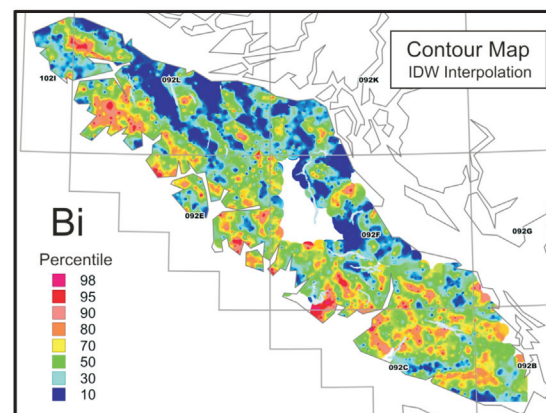
BISMUTH (Bi) in STREAM SEDIMENTS

Percentile	Concentration	Count
MAX	23.2	N = 137
95TH	0.27	N = 137
90TH	0.17	N = 462
70TH	0.09	N = 481
50TH	0.06	N = 534
30TH	0.04	N = 1095
MIN	<0.01	

Data Summary

Variable - Bi	Mean - 0.11
Units - ppm	Median - 0.06
DL - 0.01	Mode - 0.03
Method - ICPMS	Range - 23.195
N - 2846	StD - 0.6
N>DL - 2774	CV - 5.261

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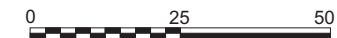


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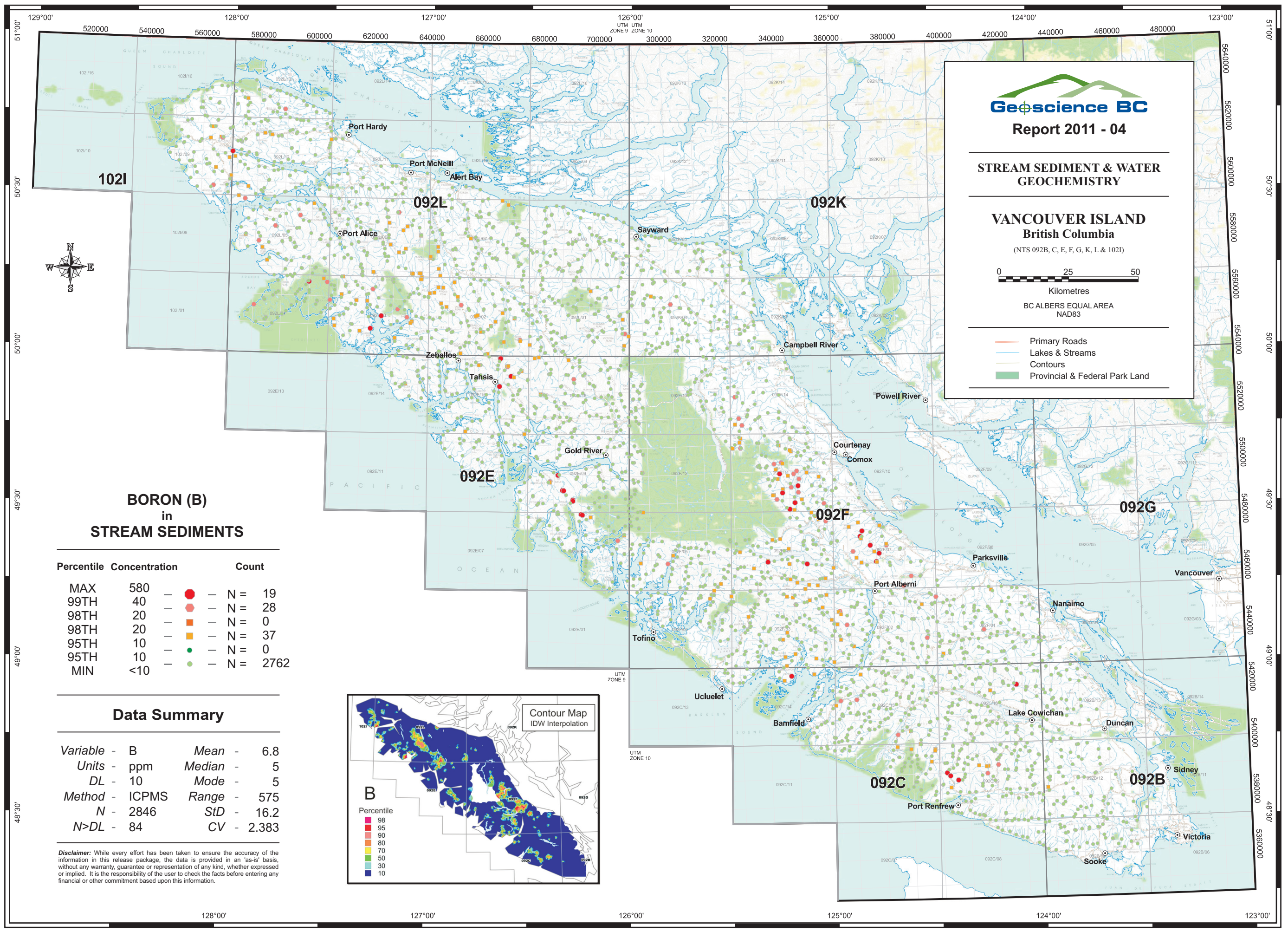
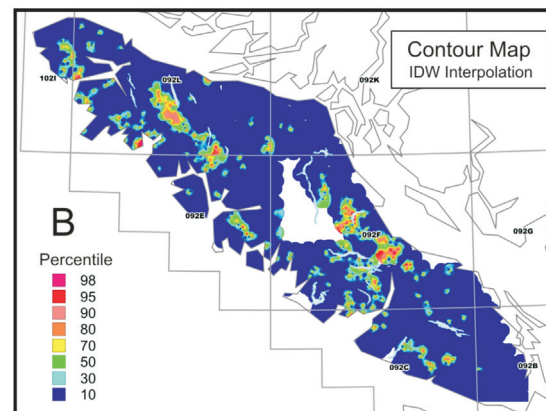
**BORON (B)
in
STREAM SEDIMENTS**

Percentile Concentration	Count
MAX 580	N = 19
99TH 40	N = 28
98TH 20	N = 0
98TH 20	N = 37
95TH 10	N = 0
95TH 10	N = 2762
MIN <10	

Data Summary

Variable - B	Mean - 6.8
Units - ppm	Median - 5
DL - 10	Mode - 5
Method - ICPMS	Range - 575
N - 2846	StD - 16.2
N>DL - 84	CV - 2.383

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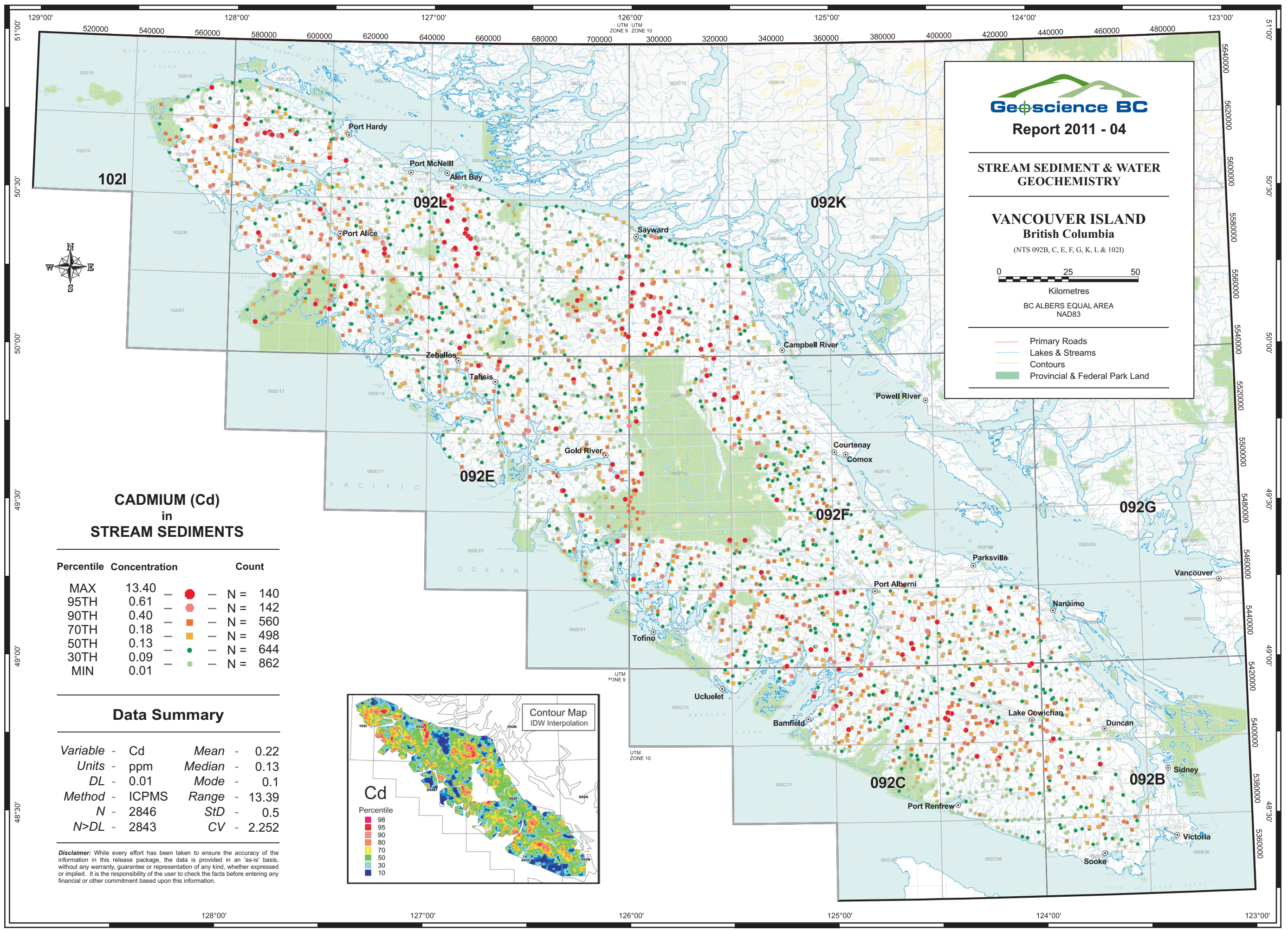
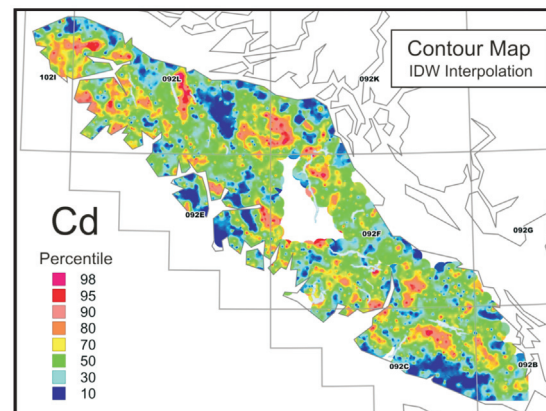
**CADMIUM (Cd)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	13.40	N = 140
95TH	0.61	N = 142
90TH	0.40	N = 560
70TH	0.18	N = 498
50TH	0.13	N = 644
30TH	0.09	N = 862
MIN	0.01	

Data Summary

Variable - Cd	Mean - 0.22
Units - ppm	Median - 0.13
DL - 0.01	Mode - 0.1
Method - ICPMS	Range - 13.39
N - 2846	StD - 0.5
N>DL - 2843	CV - 2.252

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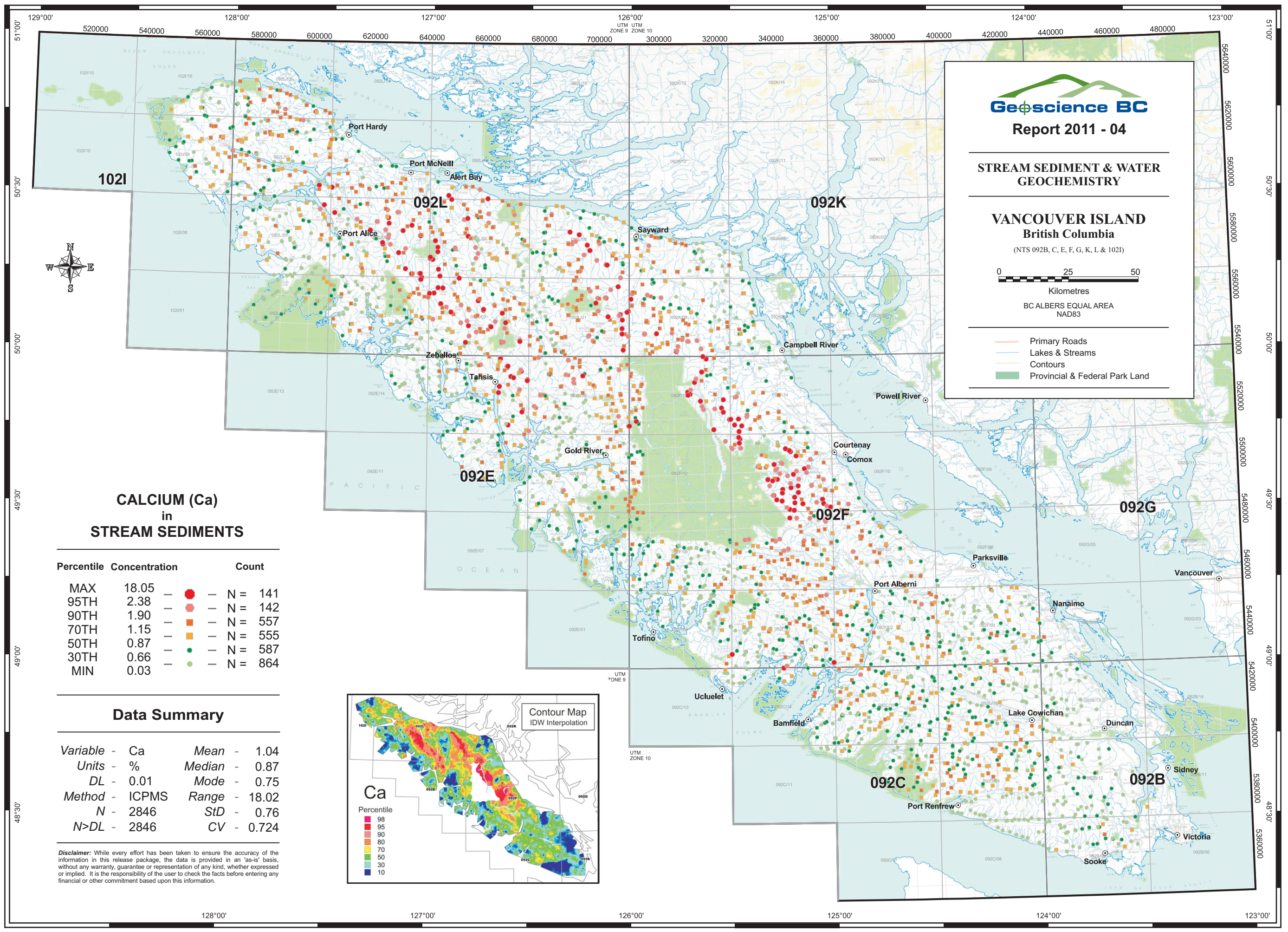
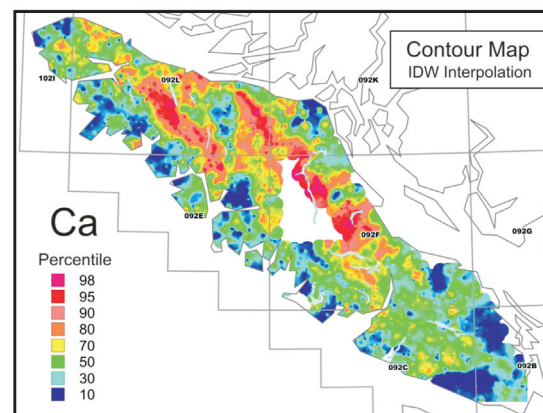
**CALCIUM (Ca)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	18.05	N = 141
95TH	2.38	N = 142
90TH	1.90	N = 557
70TH	1.15	N = 555
50TH	0.87	N = 587
30TH	0.66	N = 864
MIN	0.03	

Data Summary

Variable - Ca	Mean - 1.04
Units - %	Median - 0.87
DL - 0.01	Mode - 0.75
Method - ICPMS	Range - 18.02
N - 2846	StD - 0.76
N>DL - 2846	CV - 0.724

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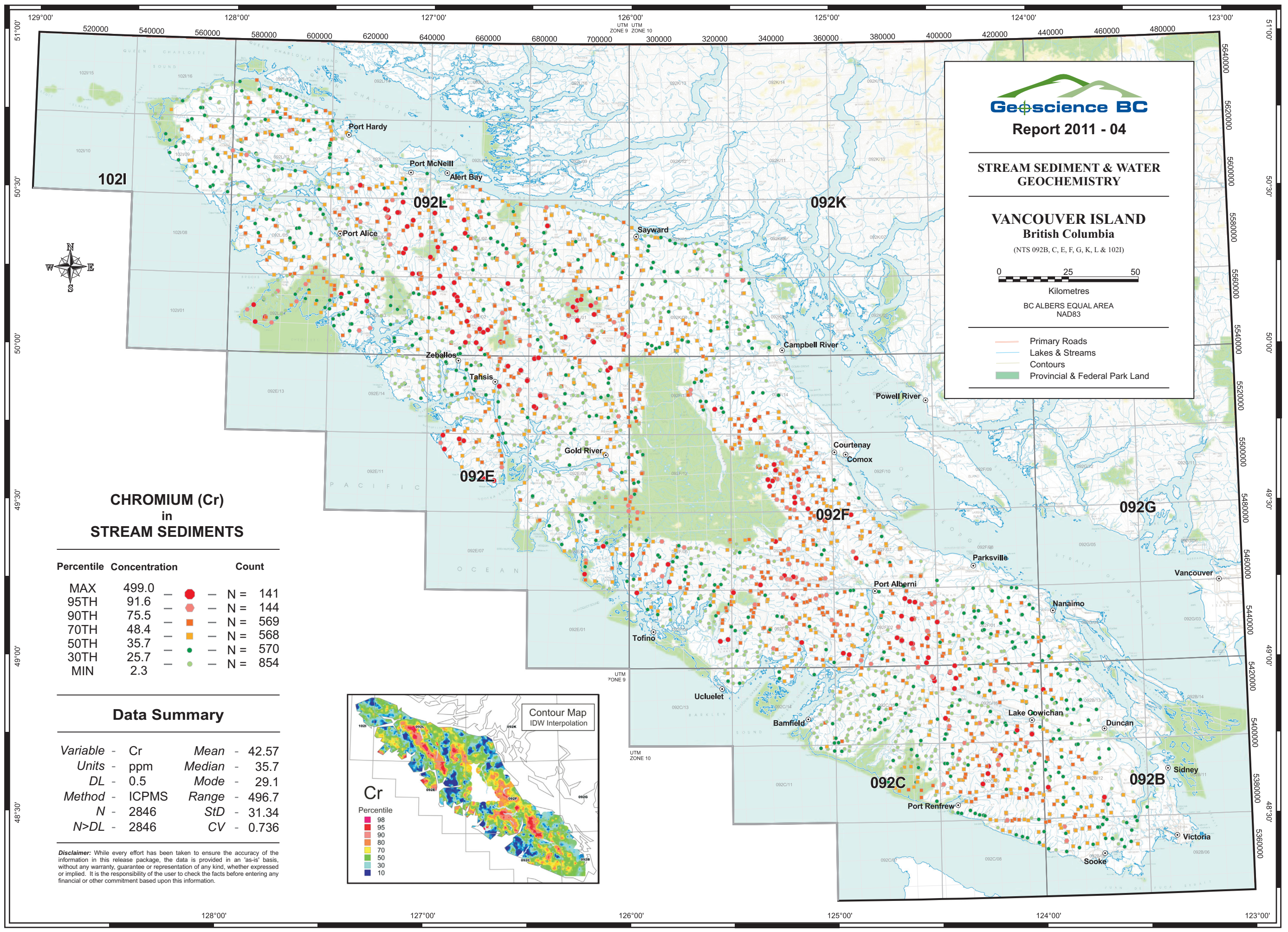
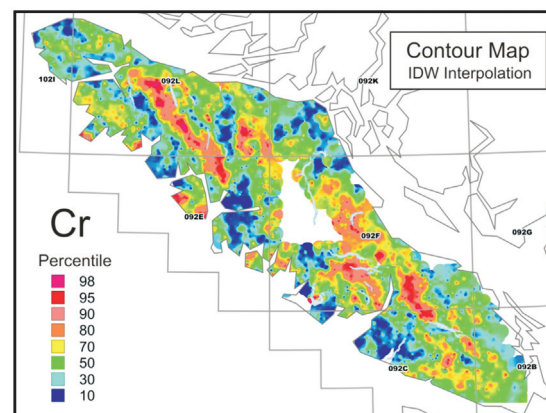
CHROMIUM (Cr) in STREAM SEDIMENTS

Percentile	Concentration	Count
MAX	499.0	N = 141
95TH	91.6	N = 144
90TH	75.5	N = 569
70TH	48.4	N = 568
50TH	35.7	N = 570
30TH	25.7	N = 854
MIN	2.3	

Data Summary

Variable - Cr	Mean - 42.57
Units - ppm	Median - 35.7
DL - 0.5	Mode - 29.1
Method - ICPMS	Range - 496.7
N - 2846	StD - 31.34
N>DL - 2846	CV - 0.736

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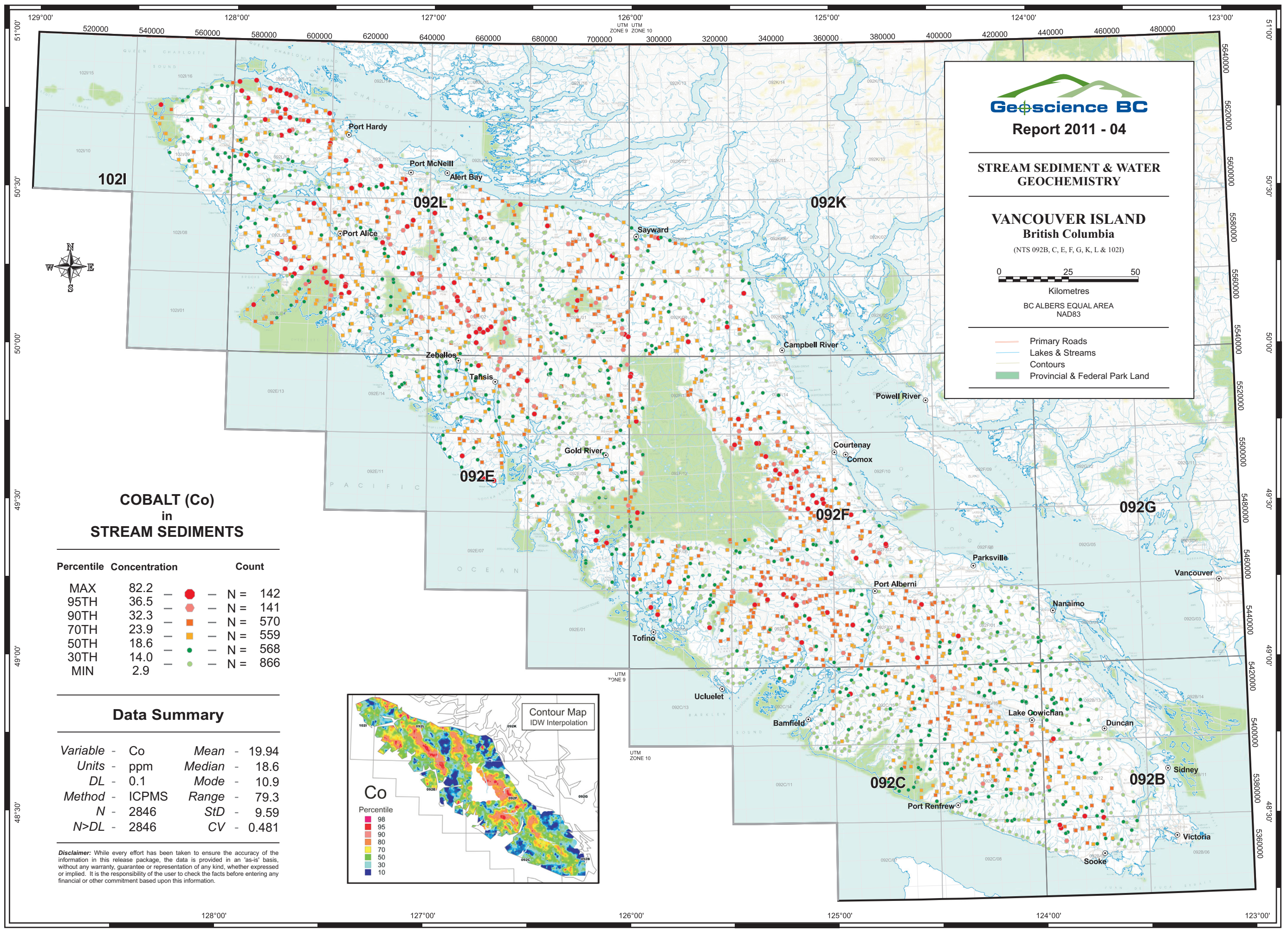
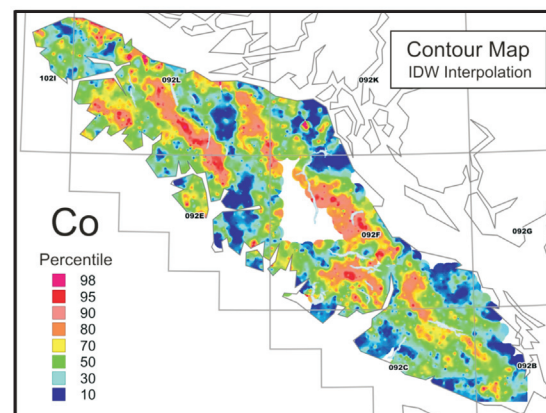
**COBALT (Co)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	82.2	N = 142
95TH	36.5	N = 141
90TH	32.3	N = 570
70TH	23.9	N = 559
50TH	18.6	N = 568
30TH	14.0	N = 866
MIN	2.9	

Data Summary

Variable - Co	Mean - 19.94
Units - ppm	Median - 18.6
DL - 0.1	Mode - 10.9
Method - ICPMS	Range - 79.3
N - 2846	StD - 9.59
N>DL - 2846	CV - 0.481

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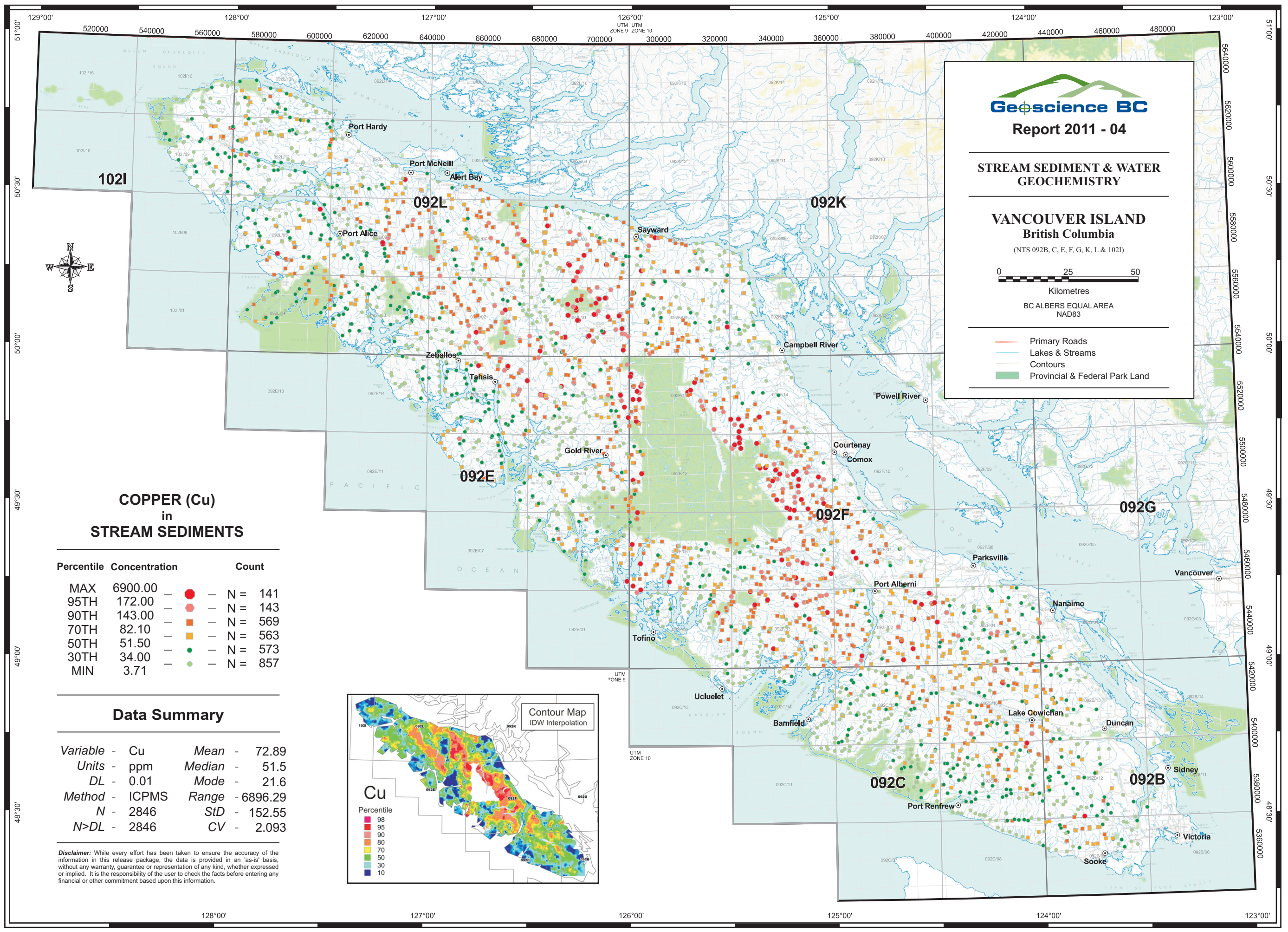
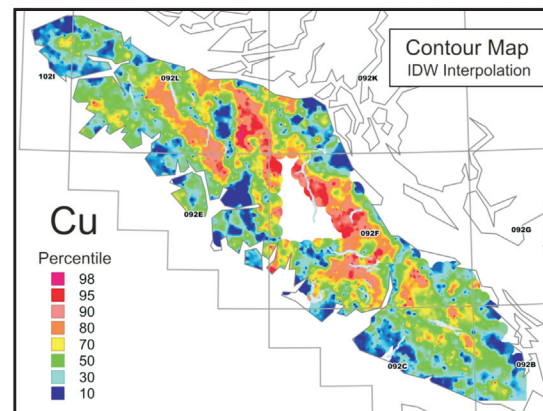
COPPER (Cu) in STREAM SEDIMENTS

Percentile	Concentration	Count
MAX	6900.00	N = 141
95TH	172.00	N = 143
90TH	143.00	N = 569
70TH	82.10	N = 563
50TH	51.50	N = 573
30TH	34.00	N = 857
MIN	3.71	

Data Summary

Variable - Cu	Mean - 72.89
Units - ppm	Median - 51.5
DL - 0.01	Mode - 21.6
Method - ICPMS	Range - 6896.29
N - 2846	StD - 152.55
N>DL - 2846	CV - 2.093

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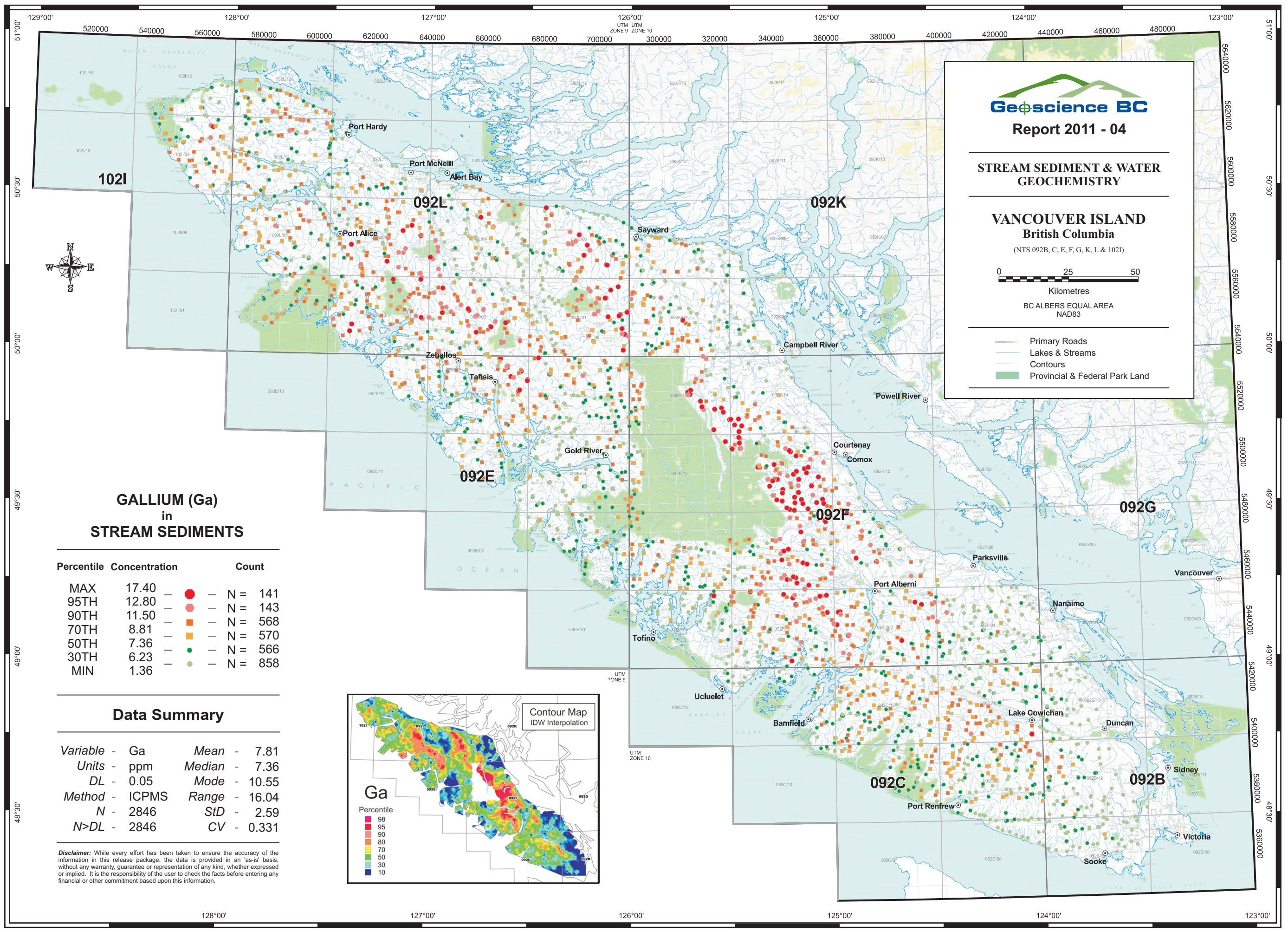
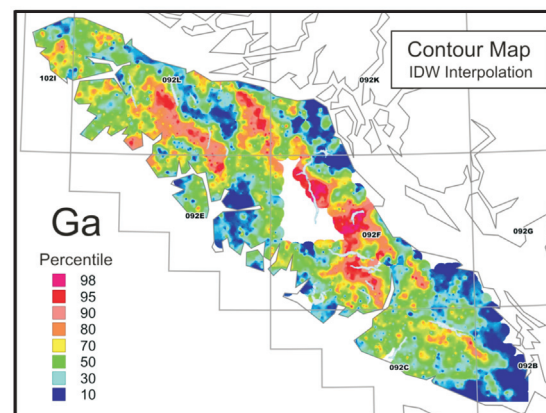
**GALLIUM (Ga)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	17.40	N = 141
95TH	12.80	N = 143
90TH	11.50	N = 568
70TH	8.81	N = 570
50TH	7.36	N = 566
30TH	6.23	N = 858
MIN	1.36	

Data Summary

Variable - Ga	Mean - 7.81
Units - ppm	Median - 7.36
DL - 0.05	Mode - 10.55
Method - ICPMS	Range - 16.04
N - 2846	StD - 2.59
N>DL - 2846	CV - 0.331

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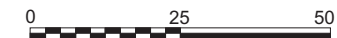


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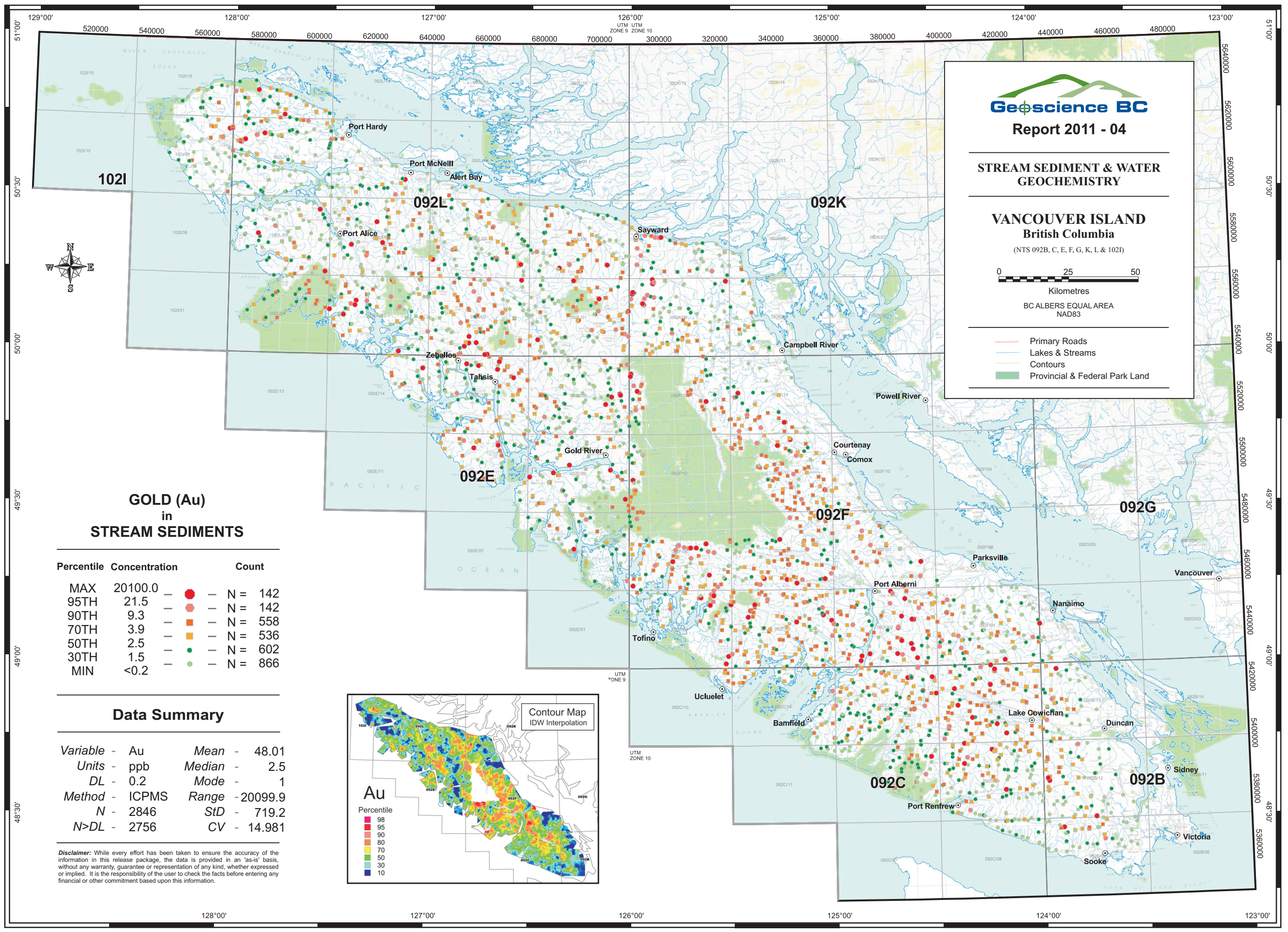
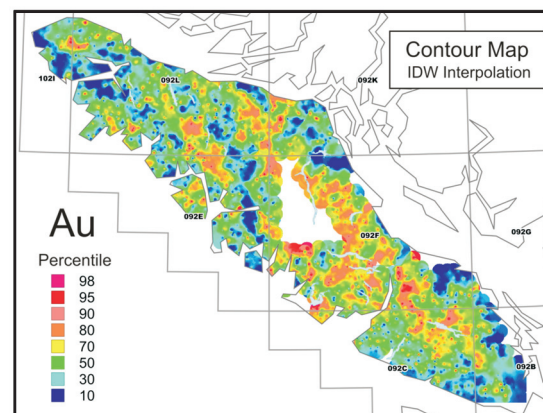
**GOLD (Au)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	20100.0	N = 142
95TH	21.5	N = 142
90TH	9.3	N = 558
70TH	3.9	N = 536
50TH	2.5	N = 602
30TH	1.5	N = 866
MIN	<0.2	

Data Summary

Variable - Au	Mean - 48.01
Units - ppb	Median - 2.5
DL - 0.2	Mode - 1
Method - ICPMS	Range - 20099.9
N - 2846	StD - 719.2
N>DL - 2756	CV - 14.981

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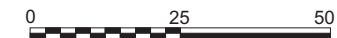


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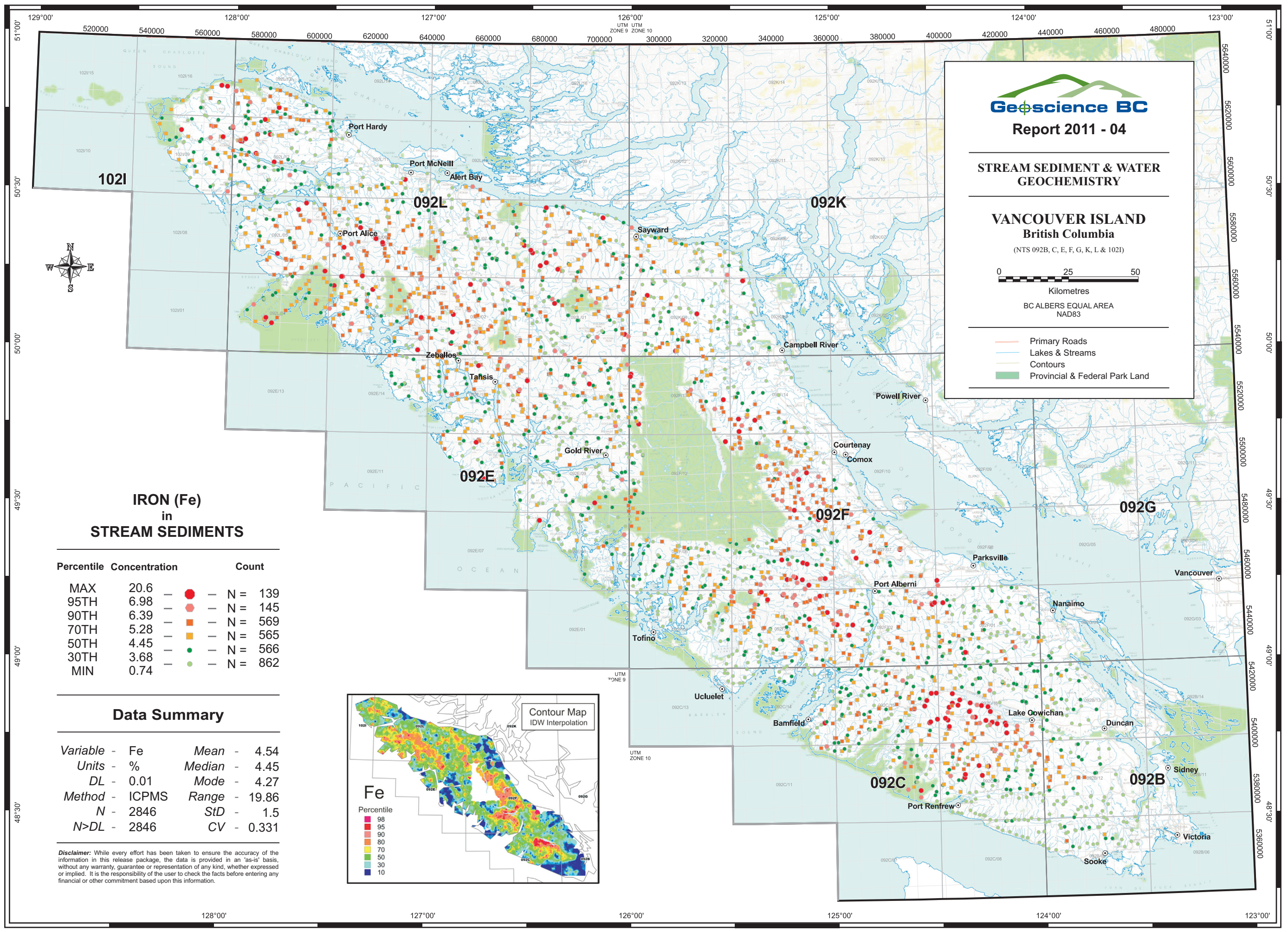
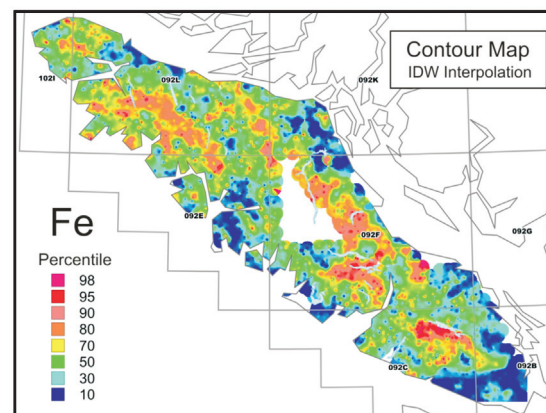
**IRON (Fe)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	20.6	N = 139
95TH	6.98	N = 145
90TH	6.39	N = 569
70TH	5.28	N = 565
50TH	4.45	N = 566
30TH	3.68	N = 862
MIN	0.74	

Data Summary

Variable - Fe	Mean - 4.54
Units - %	Median - 4.45
DL - 0.01	Mode - 4.27
Method - ICPMS	Range - 19.86
N - 2846	StD - 1.5
N>DL - 2846	CV - 0.331

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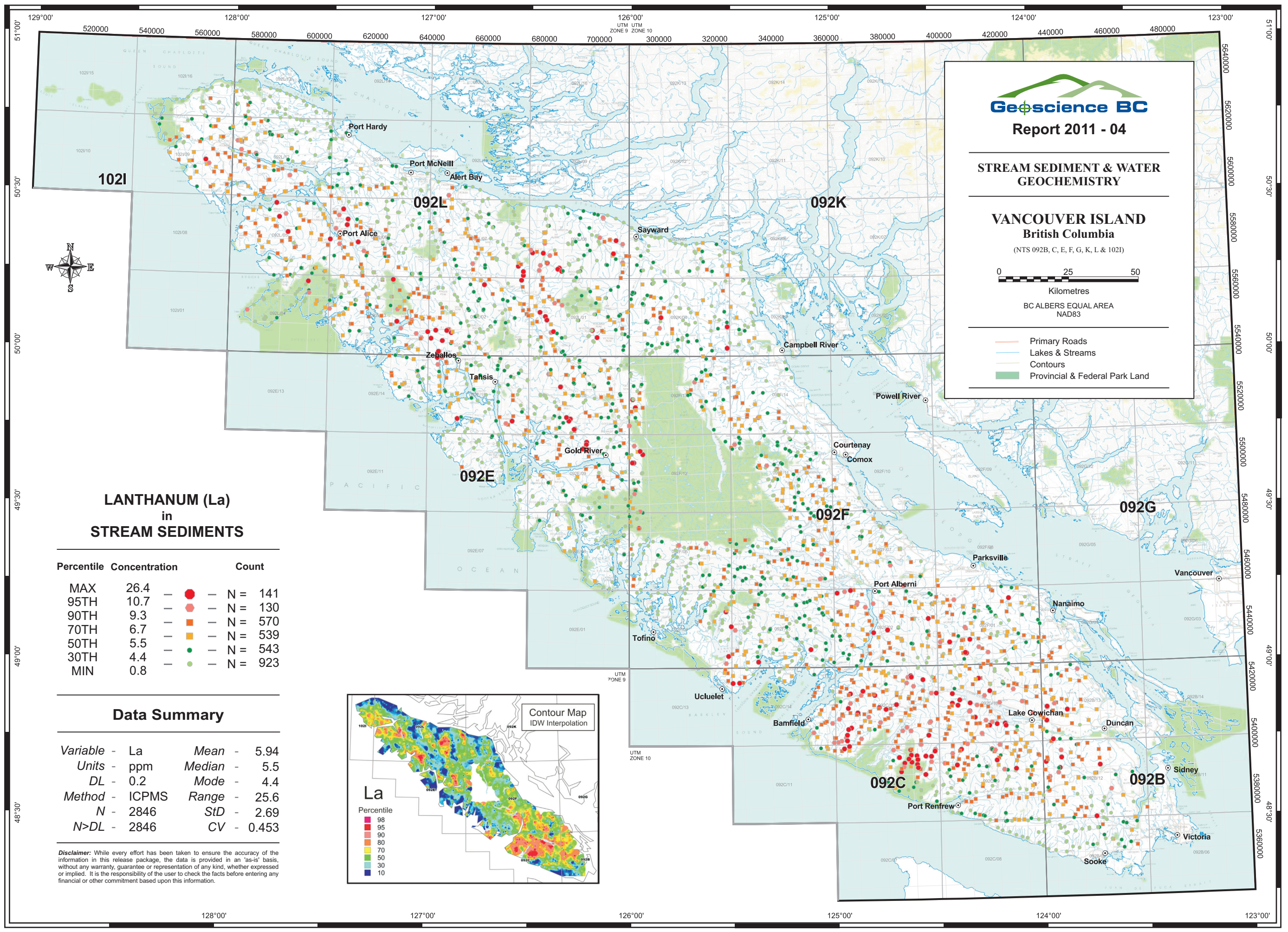
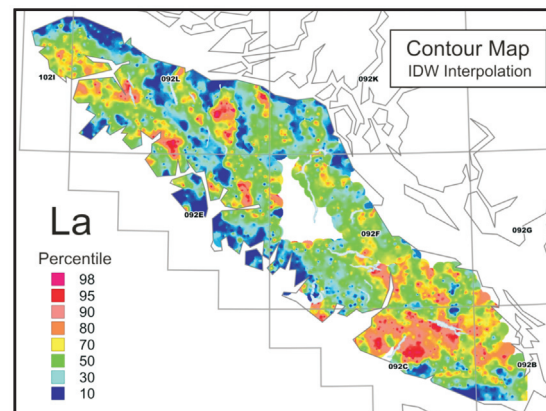
**LANTHANUM (La)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	26.4	N = 141
95TH	10.7	N = 130
90TH	9.3	N = 570
70TH	6.7	N = 539
50TH	5.5	N = 543
30TH	4.4	N = 923
MIN	0.8	

Data Summary

Variable - La	Mean - 5.94
Units - ppm	Median - 5.5
DL - 0.2	Mode - 4.4
Method - ICPMS	Range - 25.6
N - 2846	StD - 2.69
N>DL - 2846	CV - 0.453

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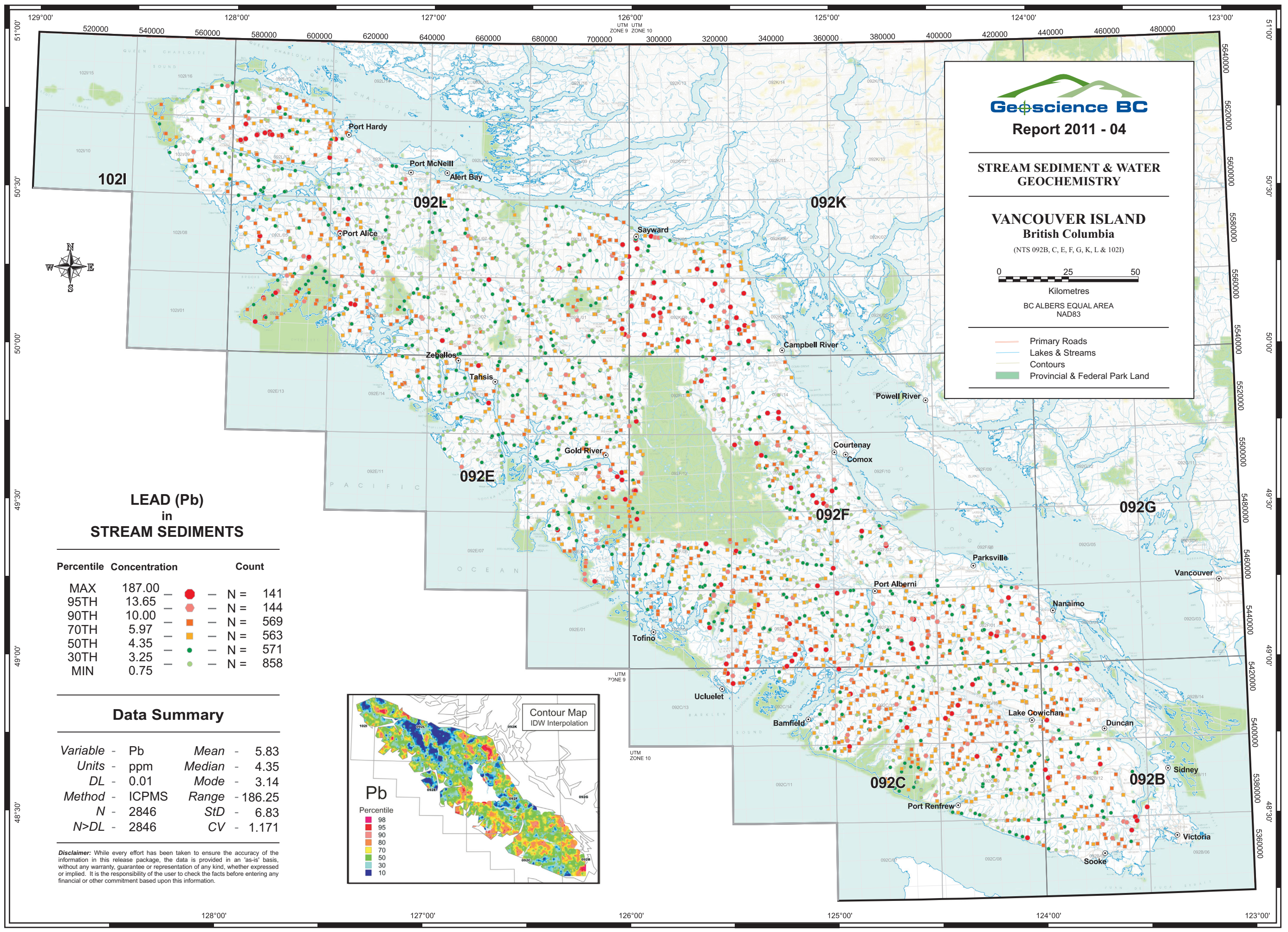
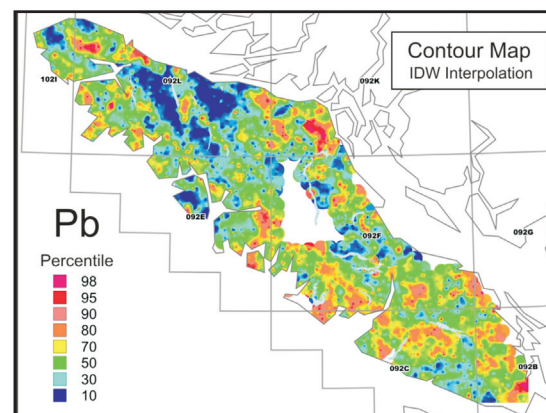
**LEAD (Pb)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	187.00	N = 141
95TH	13.65	N = 144
90TH	10.00	N = 569
70TH	5.97	N = 563
50TH	4.35	N = 571
30TH	3.25	N = 858
MIN	0.75	

Data Summary

Variable - Pb	Mean - 5.83
Units - ppm	Median - 4.35
DL - 0.01	Mode - 3.14
Method - ICPMS	Range - 186.25
N - 2846	StD - 6.83
N>DL - 2846	CV - 1.171

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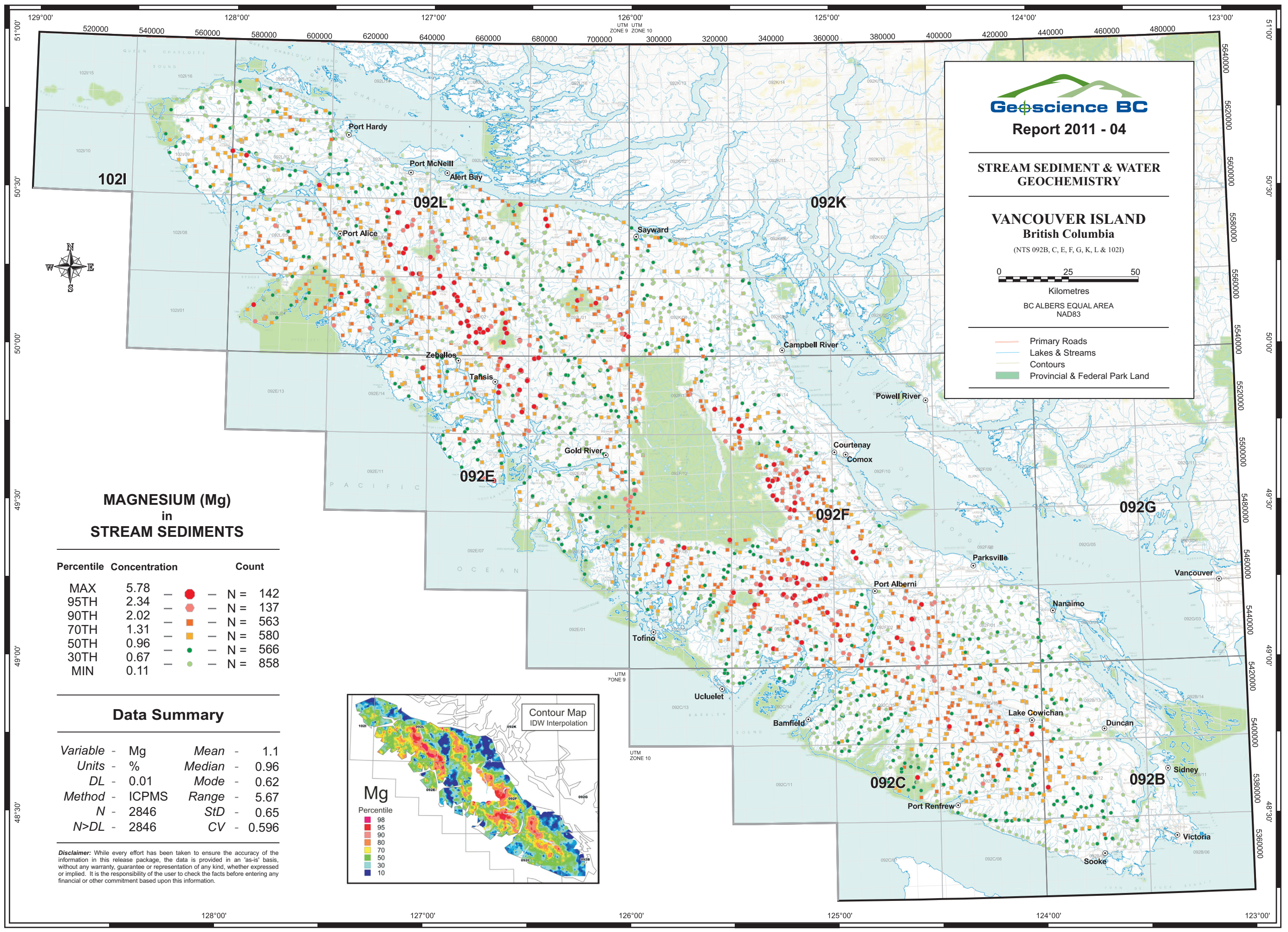
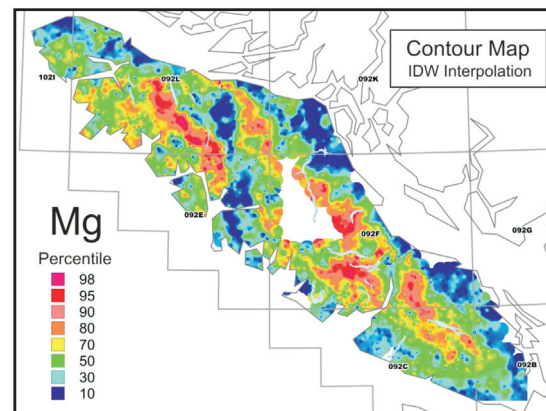
**MAGNESIUM (Mg)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	5.78	N = 142
95TH	2.34	N = 137
90TH	2.02	N = 563
70TH	1.31	N = 580
50TH	0.96	N = 566
30TH	0.67	N = 858
MIN	0.11	

Data Summary

Variable - Mg	Mean - 1.1
Units - %	Median - 0.96
DL - 0.01	Mode - 0.62
Method - ICPMS	Range - 5.67
N - 2846	StD - 0.65
N>DL - 2846	CV - 0.596

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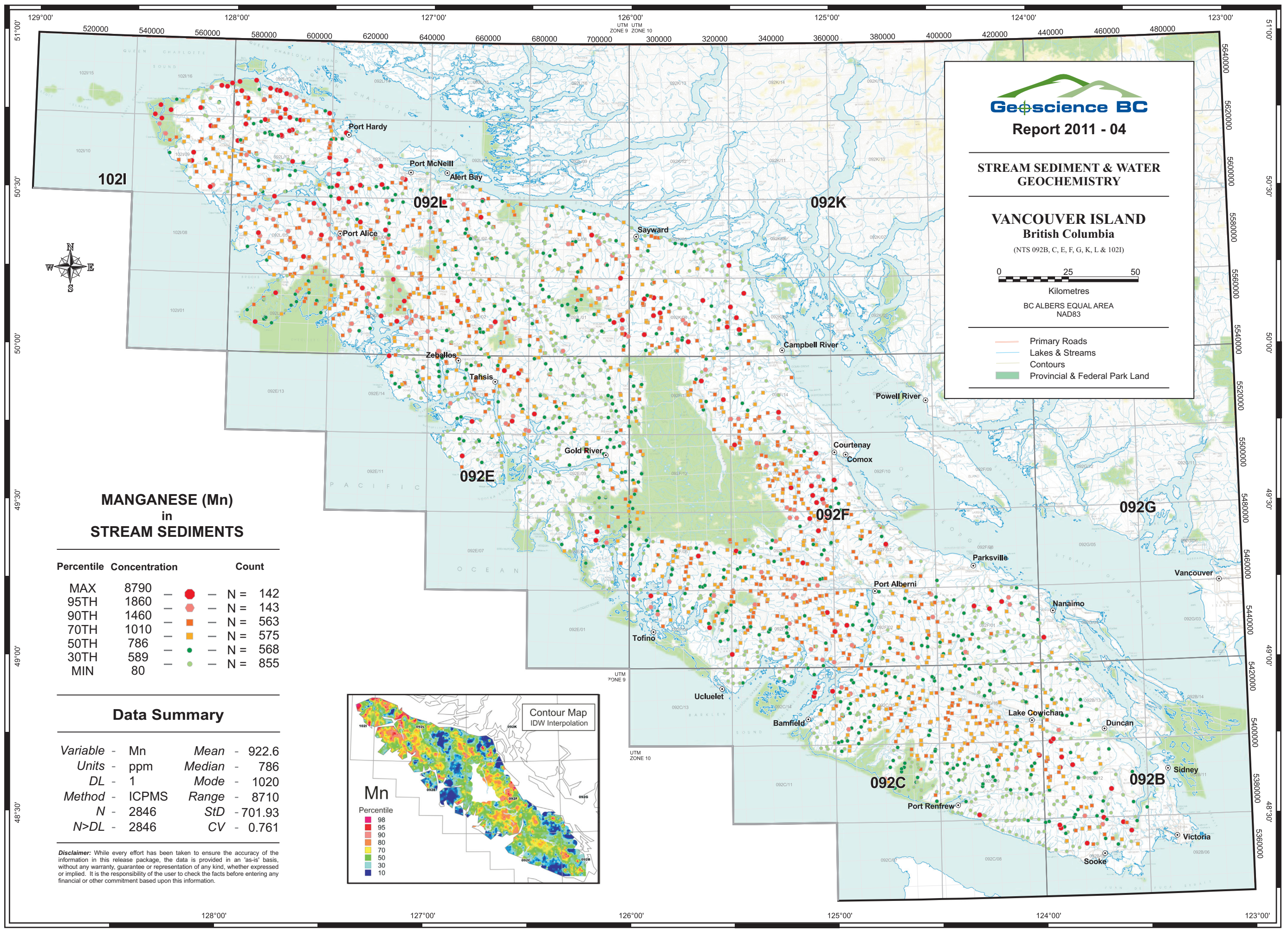
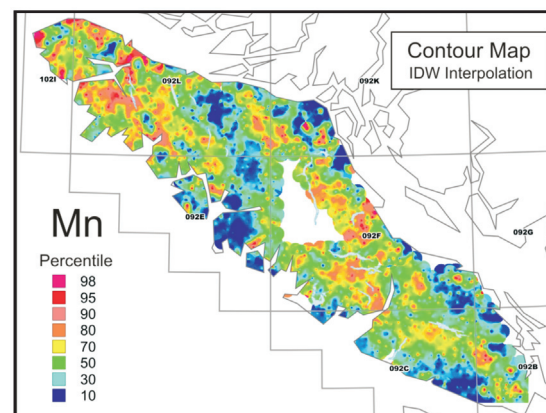
**MANGANESE (Mn)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	8790	N = 142
95TH	1860	N = 143
90TH	1460	N = 563
70TH	1010	N = 575
50TH	786	N = 568
30TH	589	N = 855
MIN	80	

Data Summary

Variable - Mn	Mean - 922.6
Units - ppm	Median - 786
DL - 1	Mode - 1020
Method - ICPMS	Range - 8710
N - 2846	StD - 701.93
N>DL - 2846	CV - 0.761

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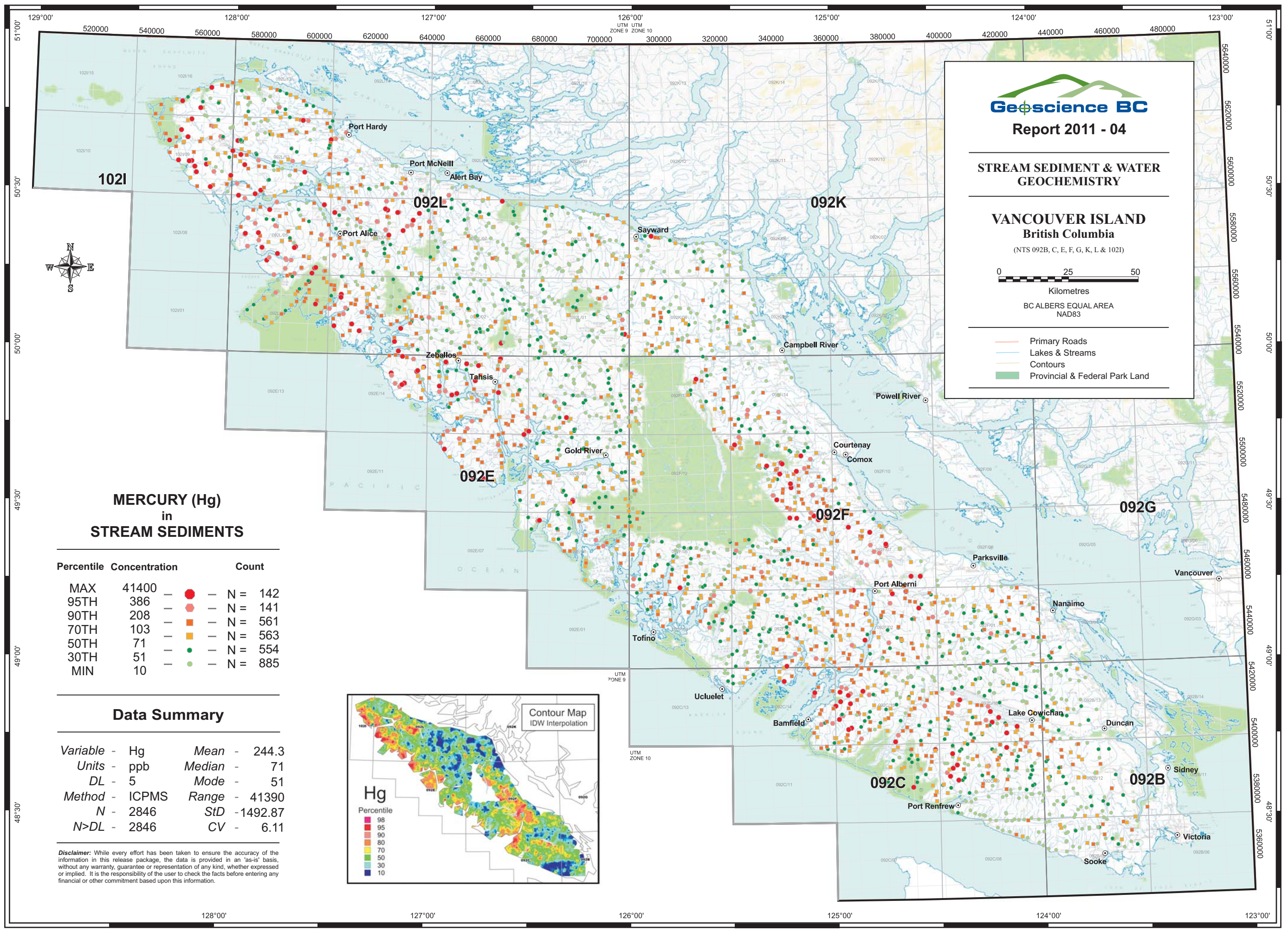
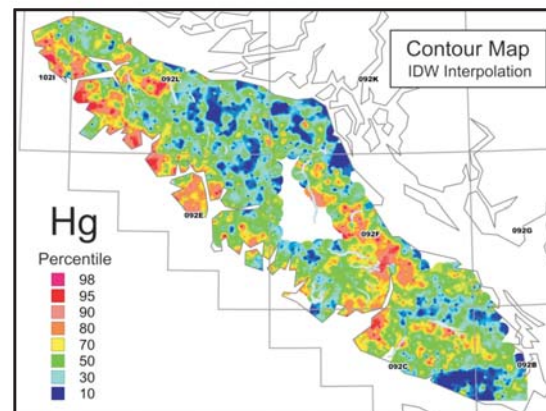
**MERCURY (Hg)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	41400	N = 142
95TH	386	N = 141
90TH	208	N = 561
70TH	103	N = 563
50TH	71	N = 554
30TH	51	N = 885
MIN	10	

Data Summary

Variable - Hg	Mean - 244.3
Units - ppb	Median - 71
DL - 5	Mode - 51
Method - ICPMS	Range - 41390
N - 2846	StD - 1492.87
N>DL - 2846	CV - 6.11

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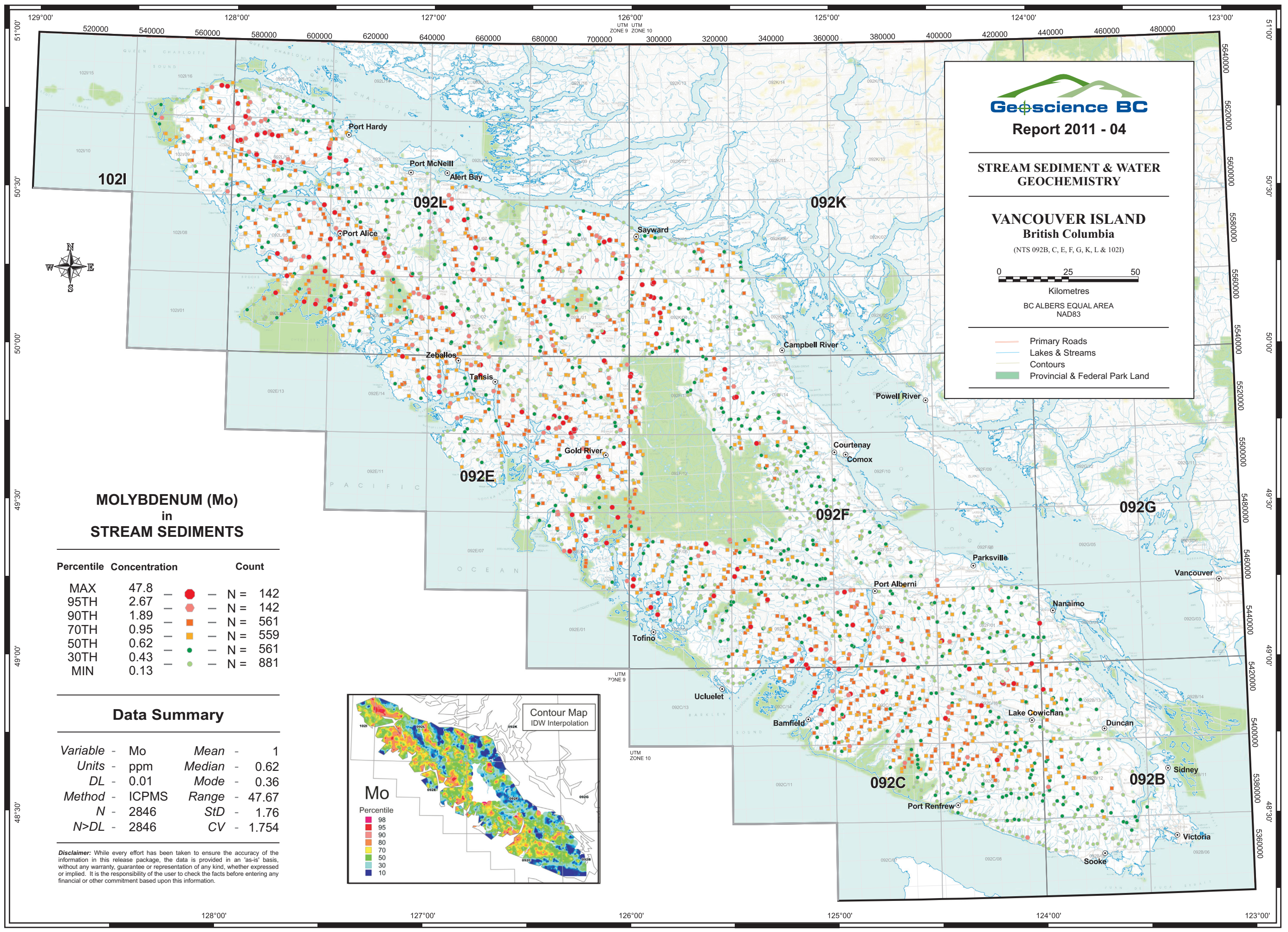
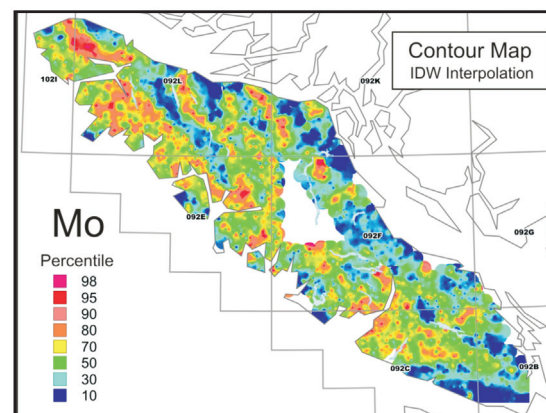
**MOLYBDENUM (Mo)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	47.8	N = 142
95TH	2.67	N = 142
90TH	1.89	N = 561
70TH	0.95	N = 559
50TH	0.62	N = 561
30TH	0.43	N = 881
MIN	0.13	

Data Summary

Variable - Mo	Mean - 1
Units - ppm	Median - 0.62
DL - 0.01	Mode - 0.36
Method - ICPMS	Range - 47.67
N - 2846	StD - 1.76
N>DL - 2846	CV - 1.754

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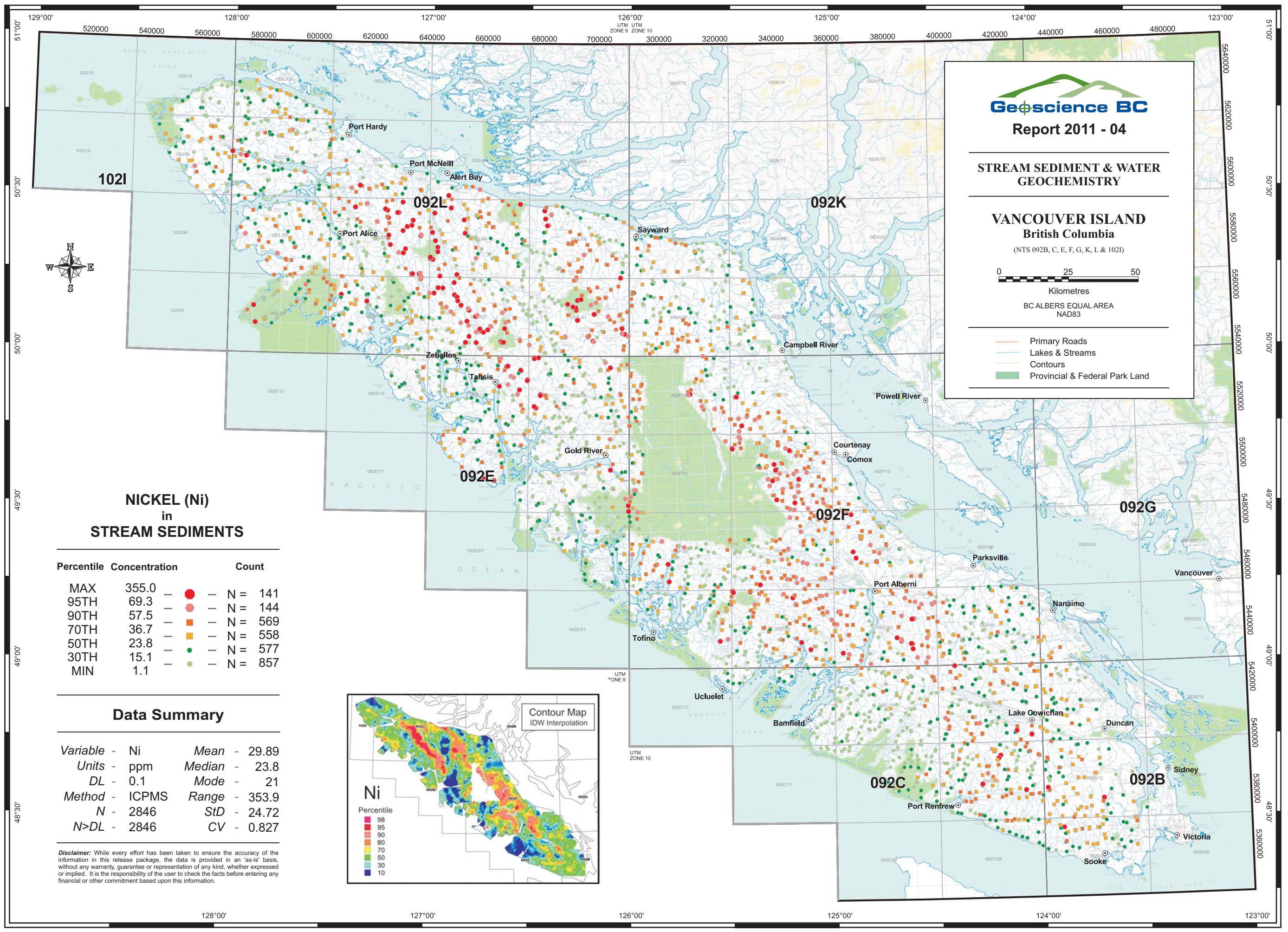
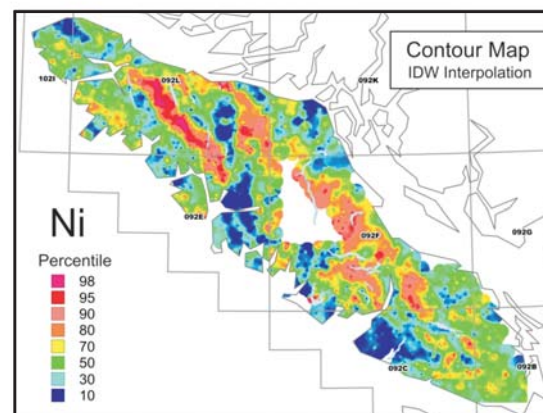
**NICKEL (Ni)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	355.0	N = 141
95TH	69.3	N = 144
90TH	57.5	N = 569
70TH	36.7	N = 558
50TH	23.8	N = 577
30TH	15.1	N = 857
MIN	1.1	

Data Summary

Variable - Ni	Mean - 29.89
Units - ppm	Median - 23.8
DL - 0.1	Mode - 21
Method - ICPMS	Range - 353.9
N - 2846	StD - 24.72
N>DL - 2846	CV - 0.827

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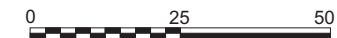


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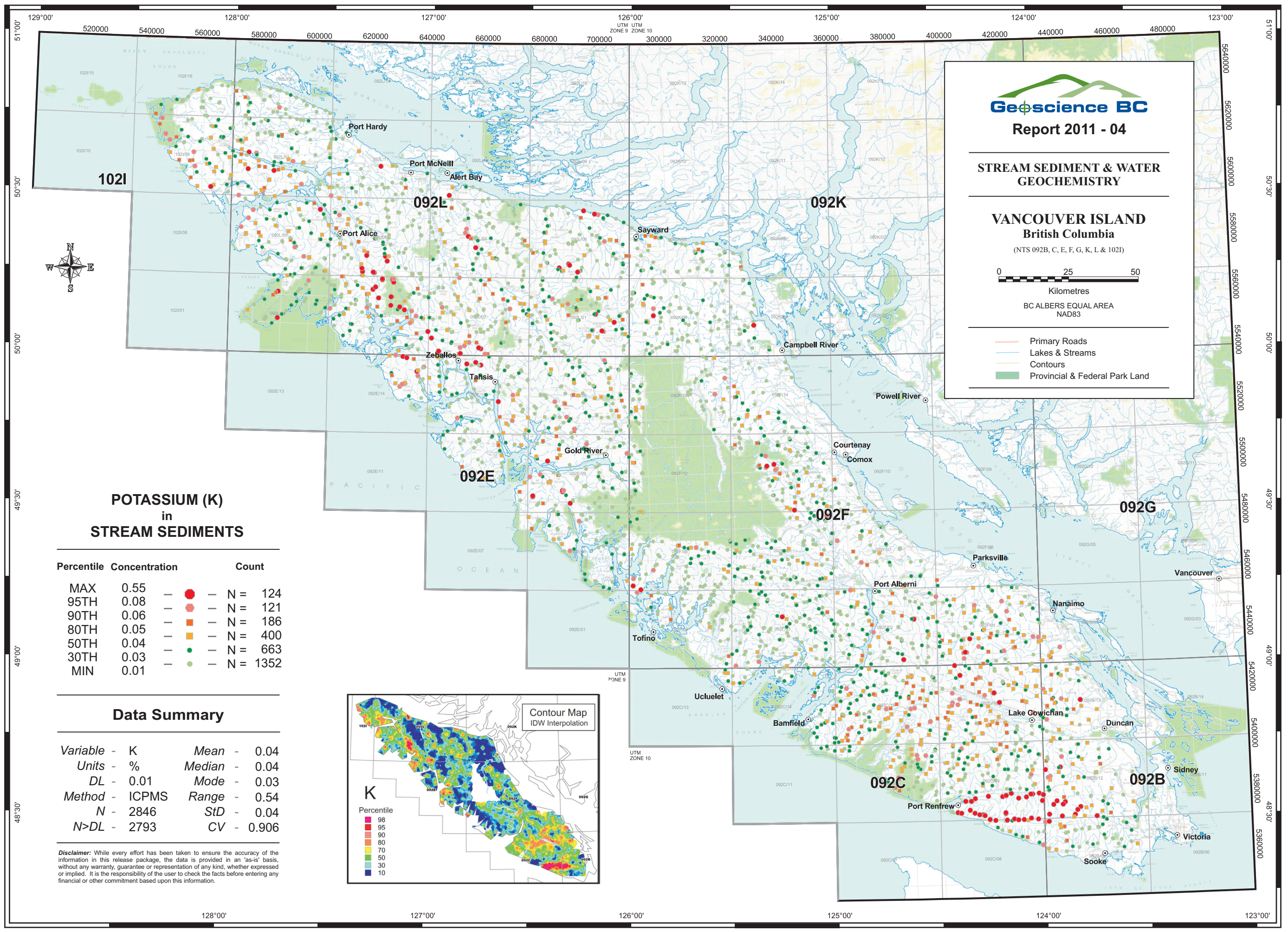
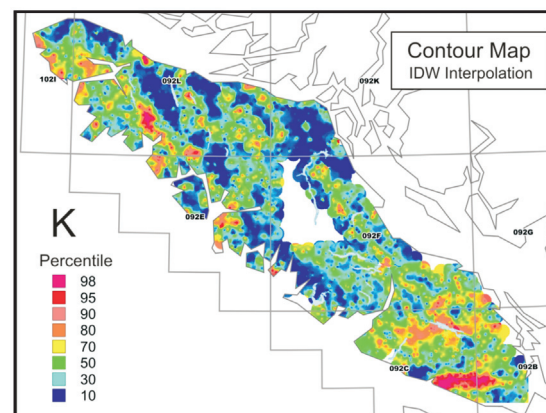
**POTASSIUM (K)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	0.55	N = 124
95TH	0.08	N = 121
90TH	0.06	N = 186
80TH	0.05	N = 400
50TH	0.04	N = 663
30TH	0.03	N = 1352
MIN	0.01	

Data Summary

Variable - K	Mean - 0.04
Units - %	Median - 0.04
DL - 0.01	Mode - 0.03
Method - ICPMS	Range - 0.54
N - 2846	StD - 0.04
N>DL - 2793	CV - 0.906

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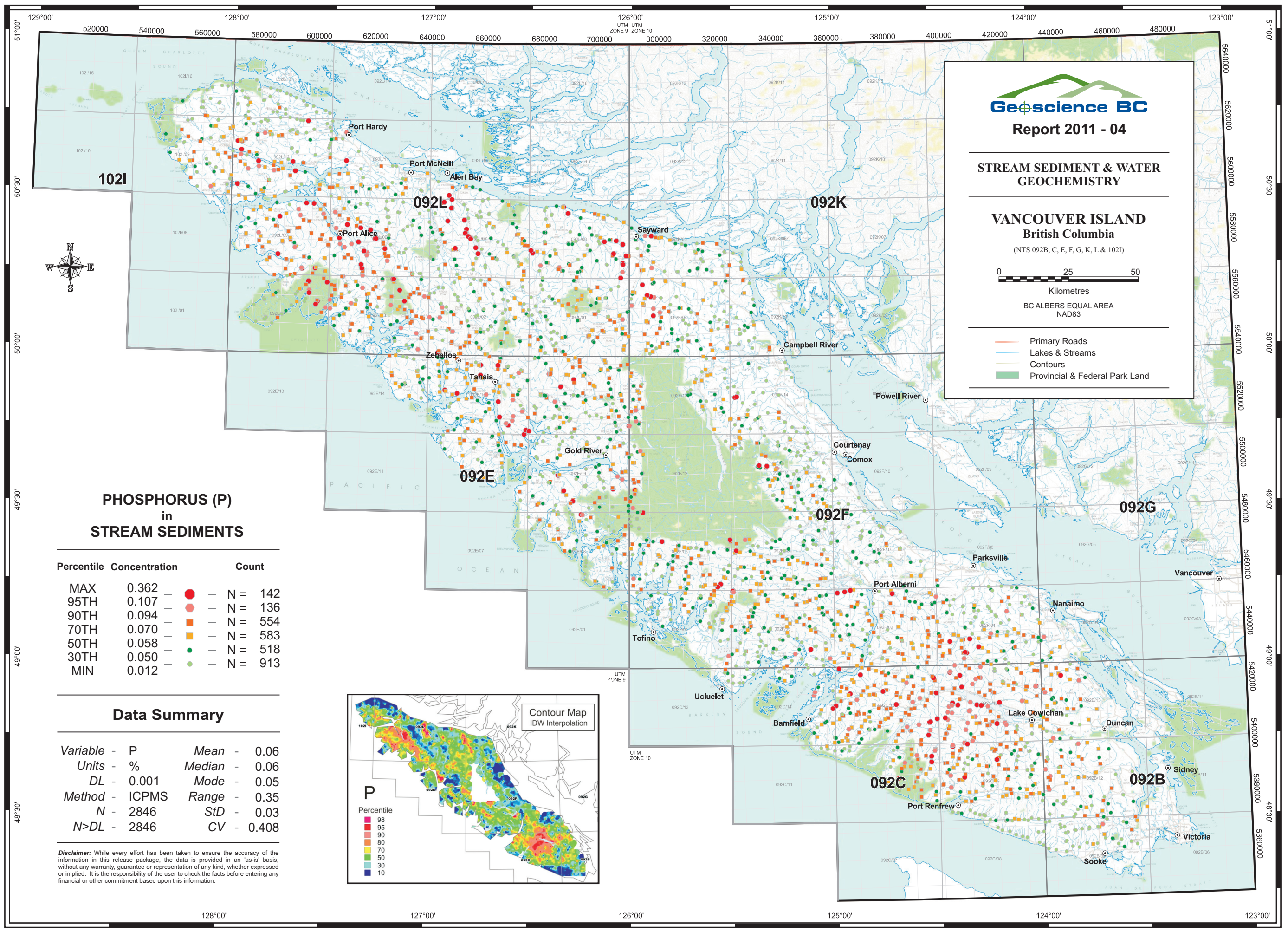
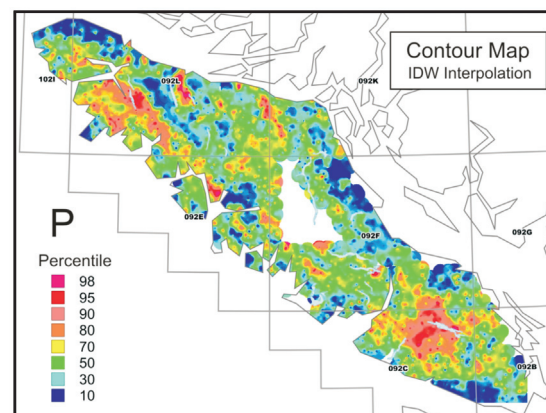
**PHOSPHORUS (P)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	0.362	N = 142
95TH	0.107	N = 136
90TH	0.094	N = 554
70TH	0.070	N = 583
50TH	0.058	N = 518
30TH	0.050	N = 913
MIN	0.012	

Data Summary

Variable - P	Mean - 0.06
Units - %	Median - 0.06
DL - 0.001	Mode - 0.05
Method - ICPMS	Range - 0.35
N - 2846	StD - 0.03
N>DL - 2846	CV - 0.408

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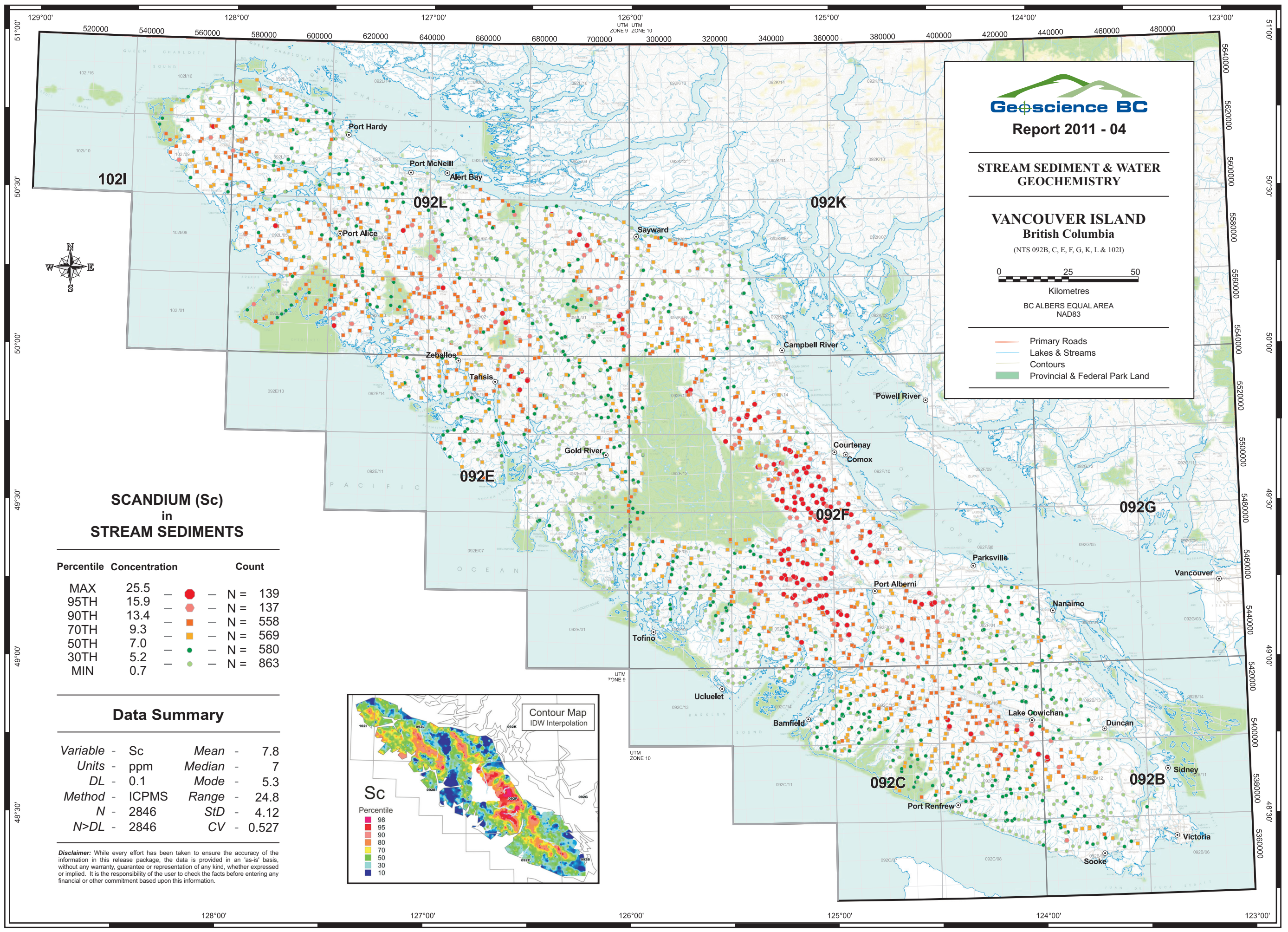
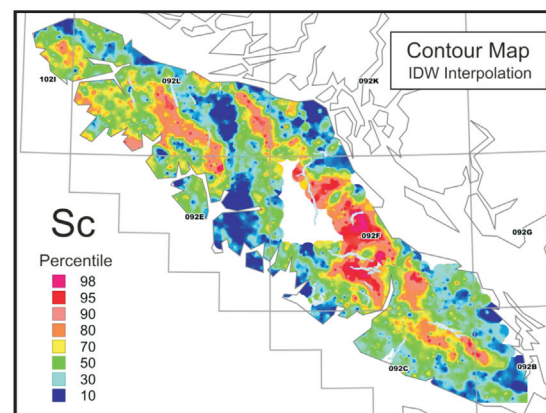
**SCANDIUM (Sc)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	25.5	N = 139
95TH	15.9	N = 137
90TH	13.4	N = 558
70TH	9.3	N = 569
50TH	7.0	N = 580
30TH	5.2	N = 863
MIN	0.7	

Data Summary

Variable - Sc	Mean - 7.8
Units - ppm	Median - 7
DL - 0.1	Mode - 5.3
Method - ICPMS	Range - 24.8
N - 2846	StD - 4.12
N>DL - 2846	CV - 0.527

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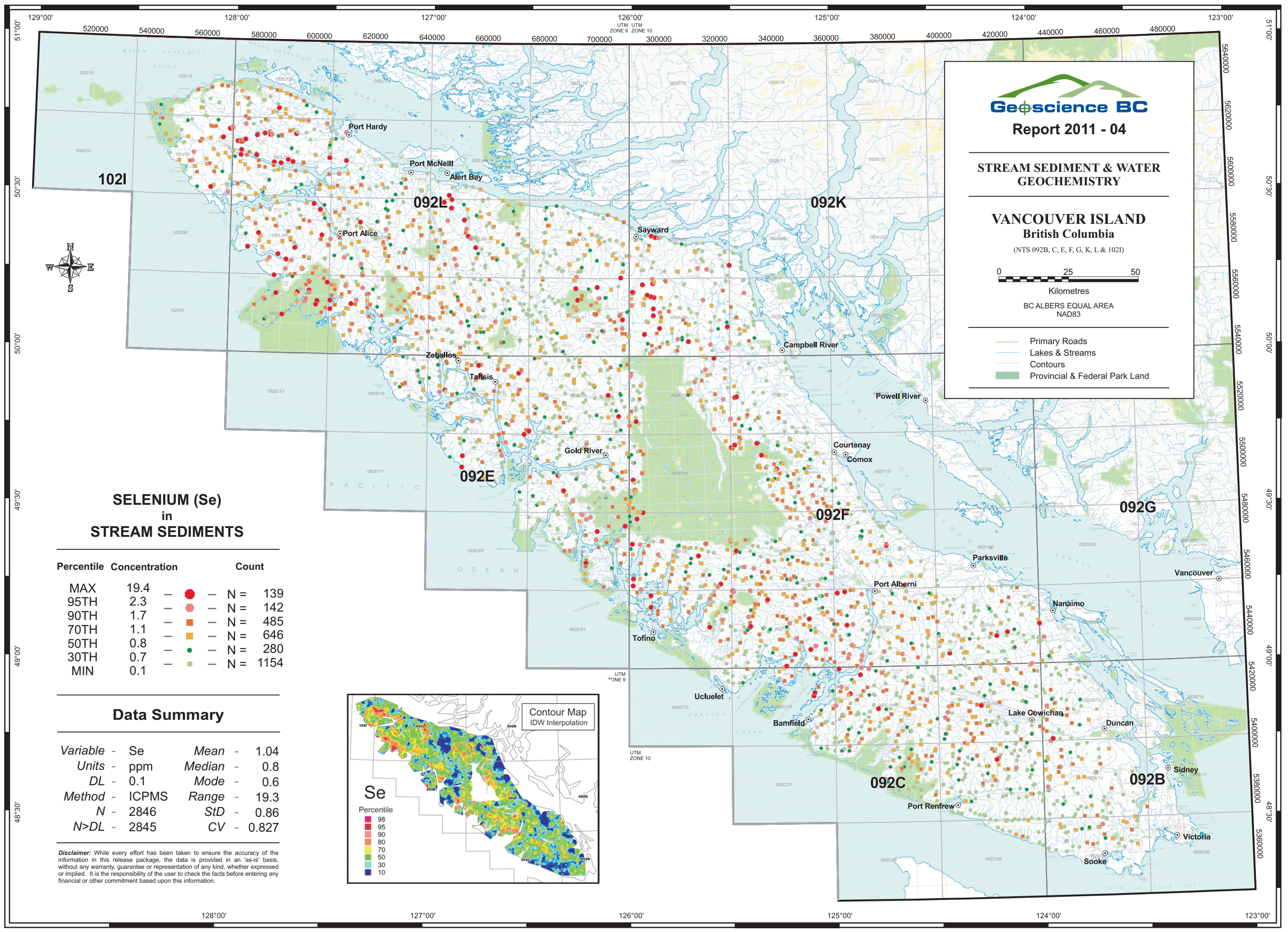
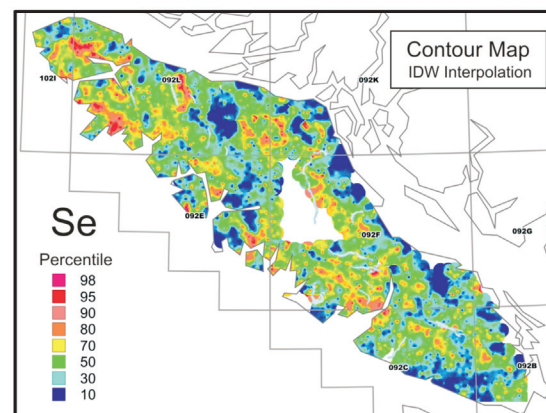
**SELENIUM (Se)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	19.4	N = 139
95TH	2.3	N = 142
90TH	1.7	N = 485
70TH	1.1	N = 646
50TH	0.8	N = 280
30TH	0.7	N = 1154
MIN	0.1	

Data Summary

Variable - Se	Mean - 1.04
Units - ppm	Median - 0.8
DL - 0.1	Mode - 0.6
Method - ICPMS	Range - 19.3
N - 2846	StD - 0.86
N>DL - 2845	CV - 0.827

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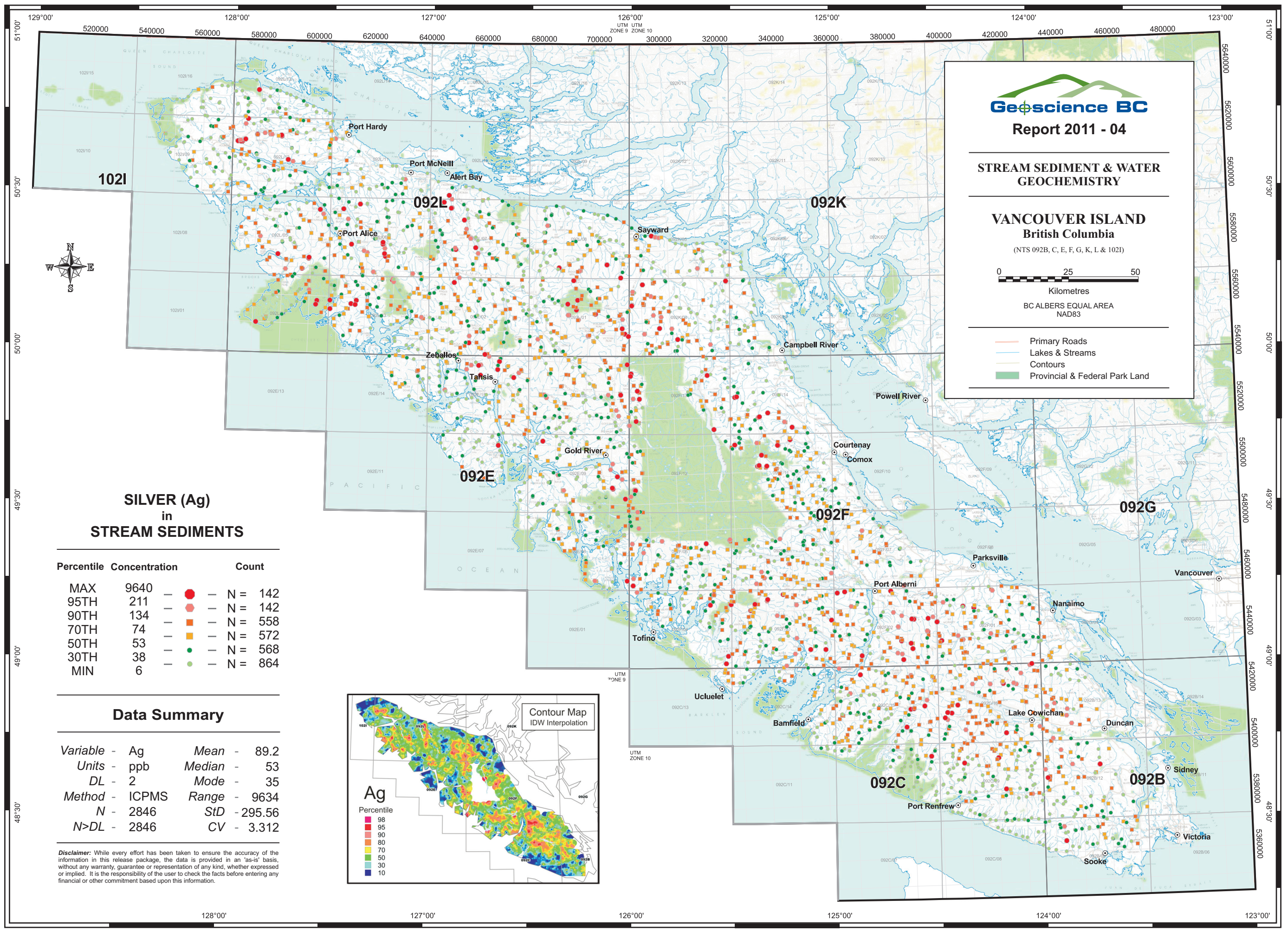
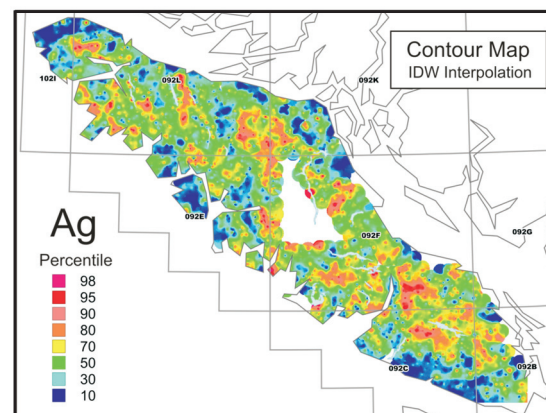
**SILVER (Ag)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	9640	N = 142
95TH	211	N = 142
90TH	134	N = 558
70TH	74	N = 572
50TH	53	N = 568
30TH	38	N = 864
MIN	6	

Data Summary

Variable - Ag	Mean - 89.2
Units - ppb	Median - 53
DL - 2	Mode - 35
Method - ICPMS	Range - 9634
N - 2846	StD - 295.56
N>DL - 2846	CV - 3.312

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Kilometres

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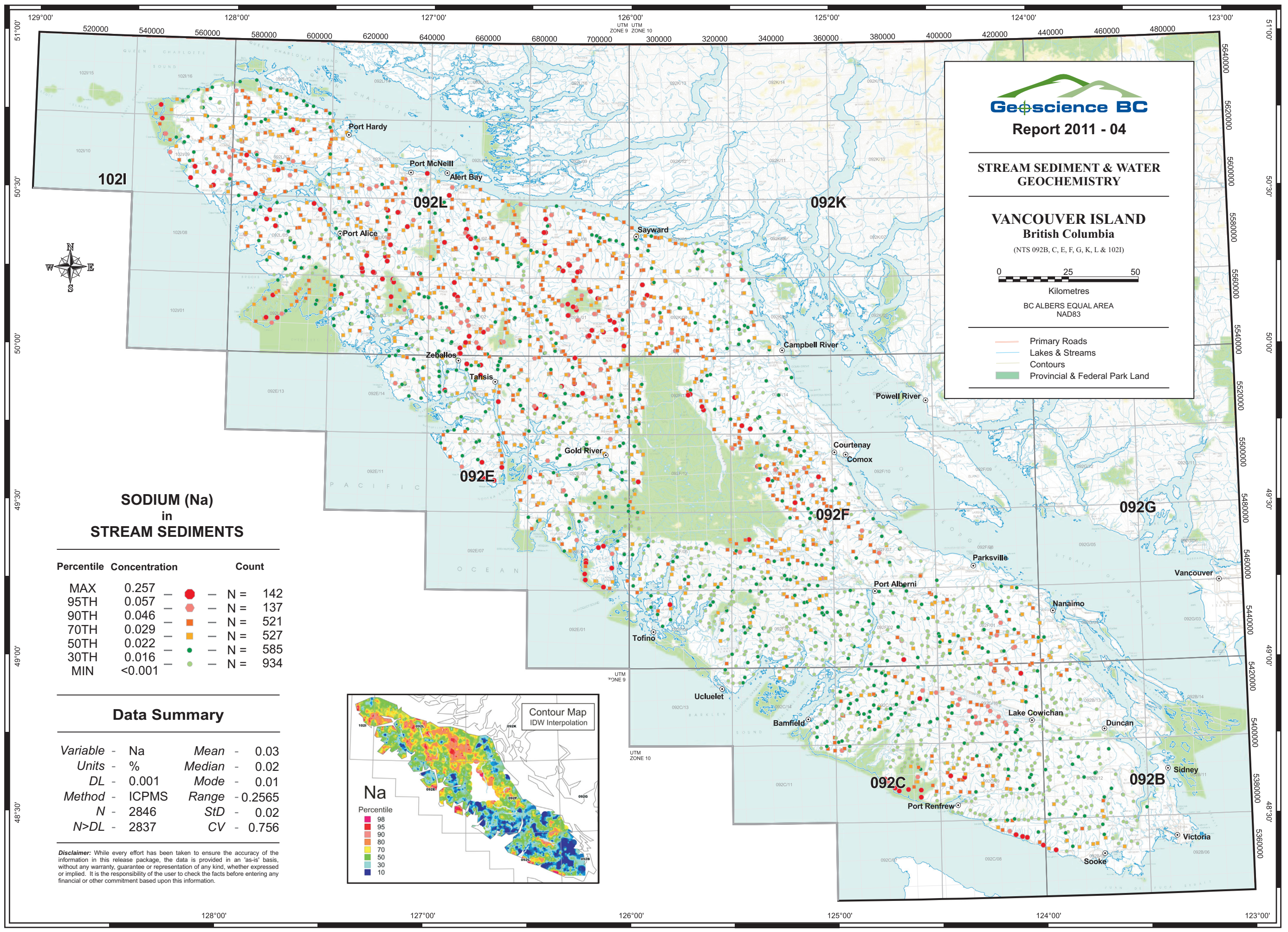
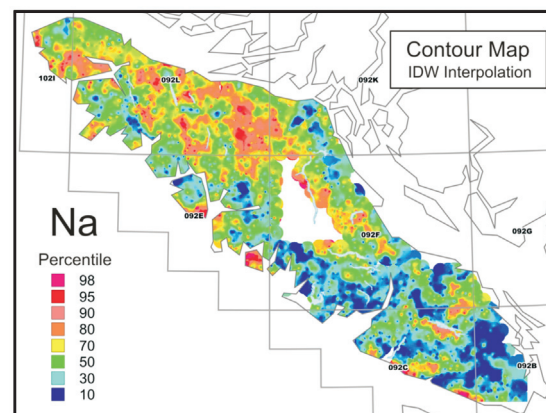
SODIUM (Na) in STREAM SEDIMENTS

Percentile	Concentration	Count
MAX	0.257	N = 142
95TH	0.057	N = 137
90TH	0.046	N = 521
70TH	0.029	N = 527
50TH	0.022	N = 585
30TH	0.016	N = 934
MIN	<0.001	

Data Summary

Variable - Na	Mean - 0.03
Units - %	Median - 0.02
DL - 0.001	Mode - 0.01
Method - ICPMS	Range - 0.2565
N - 2846	StD - 0.02
N>DL - 2837	CV - 0.756

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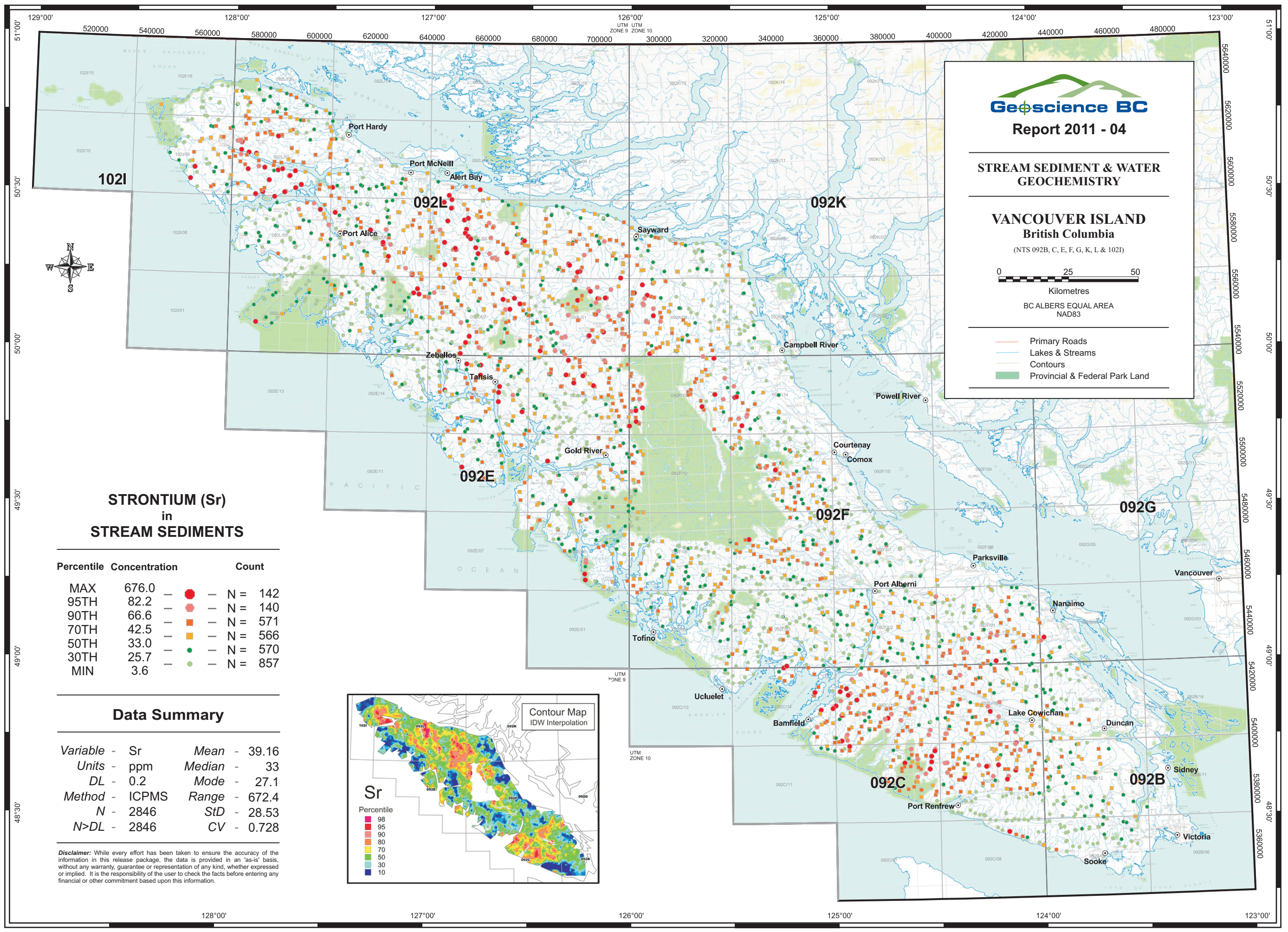
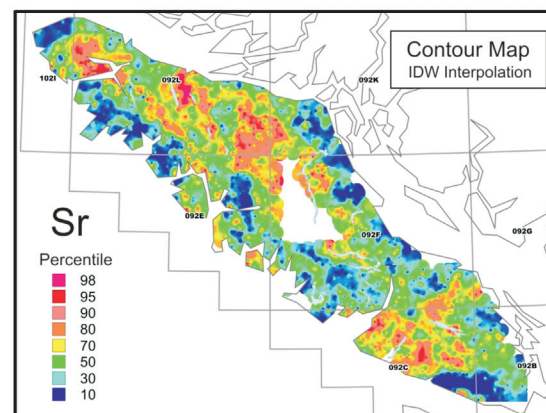
**STRONTIUM (Sr)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	676.0	N = 142
95TH	82.2	N = 140
90TH	66.6	N = 571
70TH	42.5	N = 566
50TH	33.0	N = 570
30TH	25.7	N = 857
MIN	3.6	

Data Summary

Variable - Sr	Mean - 39.16
Units - ppm	Median - 33
DL - 0.2	Mode - 27.1
Method - ICPMS	Range - 672.4
N - 2846	StD - 28.53
N>DL - 2846	CV - 0.728

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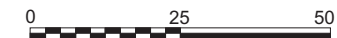


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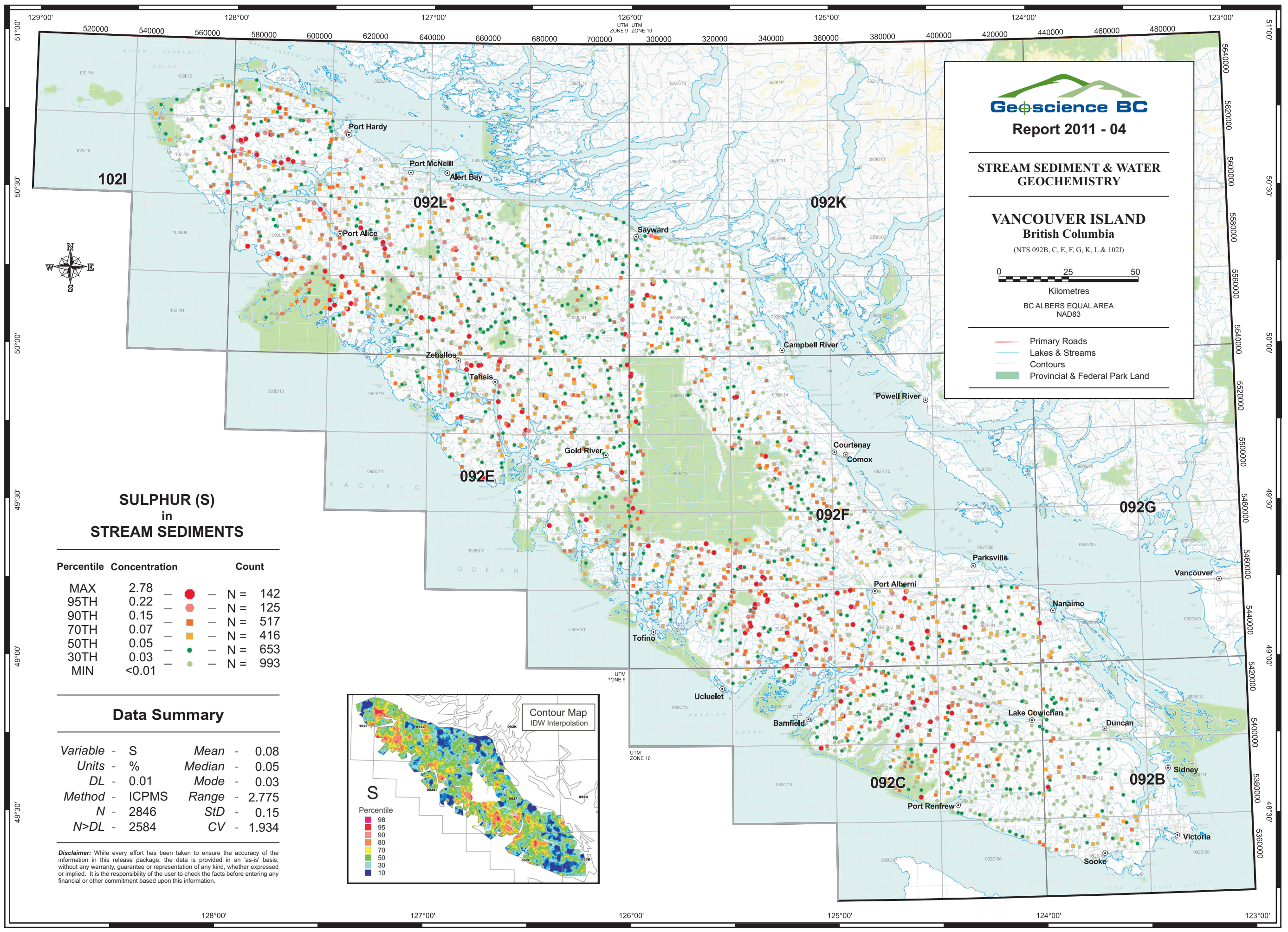
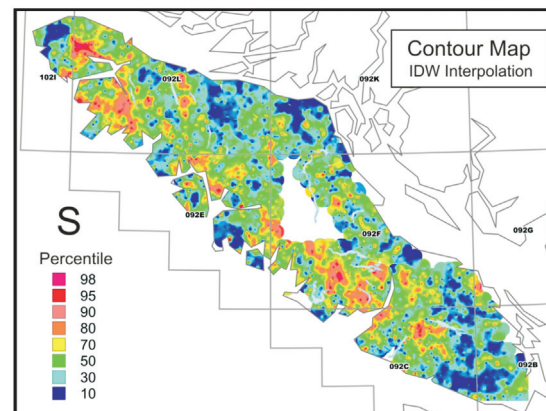
**SULPHUR (S)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	2.78	N = 142
95TH	0.22	N = 125
90TH	0.15	N = 517
70TH	0.07	N = 416
50TH	0.05	N = 653
30TH	0.03	N = 993
MIN	<0.01	

Data Summary

Variable - S	Mean - 0.08
Units - %	Median - 0.05
DL - 0.01	Mode - 0.03
Method - ICPMS	Range - 2.775
N - 2846	StD - 0.15
N>DL - 2584	CV - 1.934

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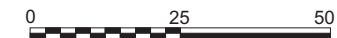


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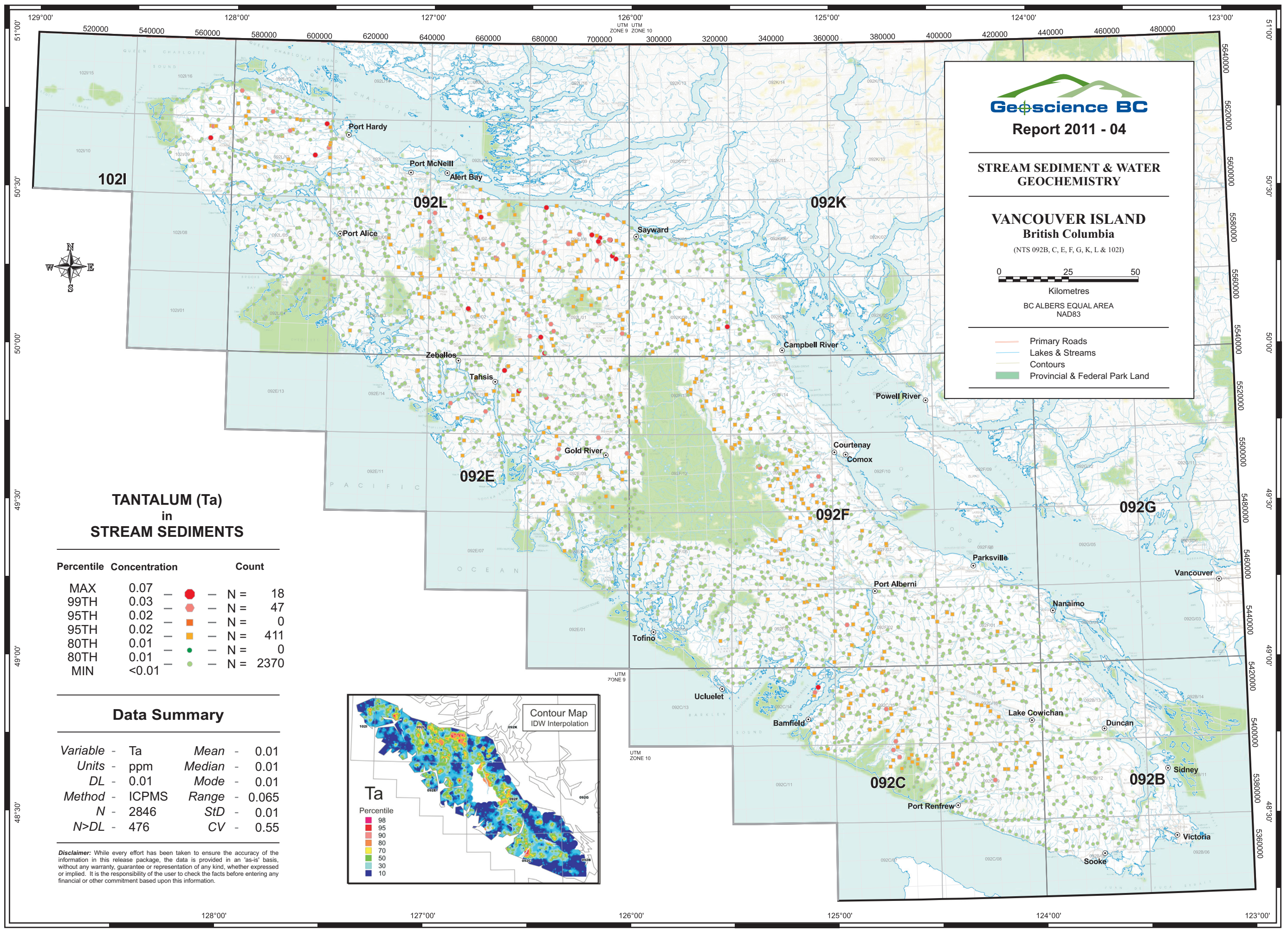
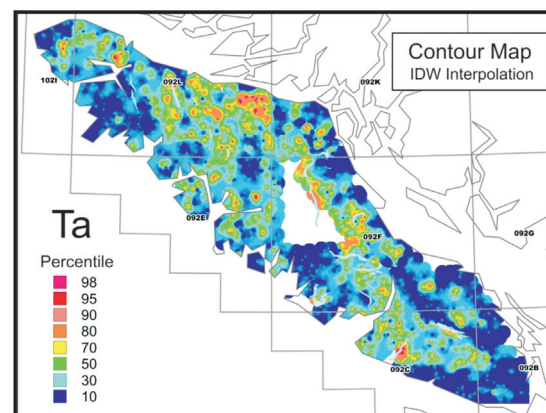
**TANTALUM (Ta)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	0.07	N = 18
99TH	0.03	N = 47
95TH	0.02	N = 0
95TH	0.02	N = 411
80TH	0.01	N = 0
80TH	0.01	N = 2370
MIN	<0.01	

Data Summary

Variable - Ta	Mean - 0.01
Units - ppm	Median - 0.01
DL - 0.01	Mode - 0.01
Method - ICPMS	Range - 0.065
N - 2846	StD - 0.01
N>DL - 476	CV - 0.55

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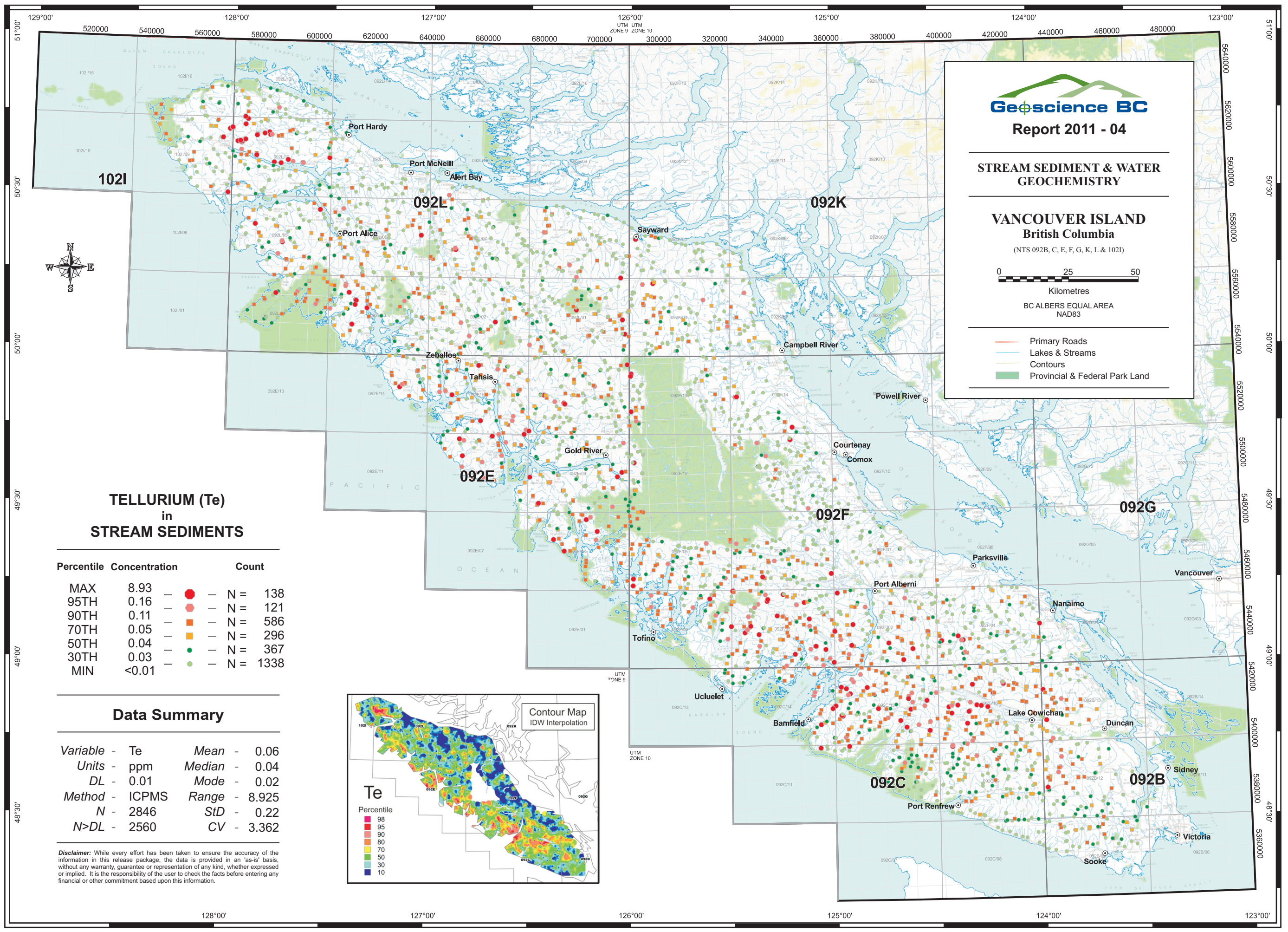
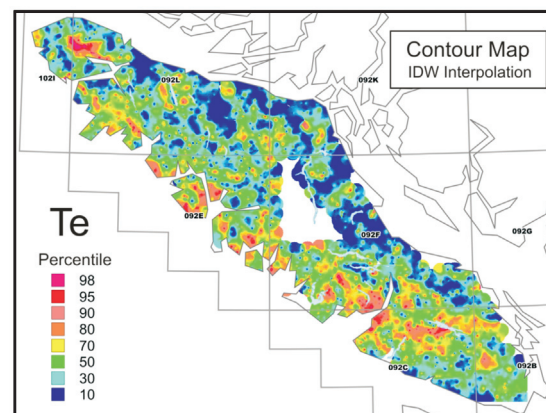
**TELLURIUM (Te)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	8.93	N = 138
95TH	0.16	N = 121
90TH	0.11	N = 586
70TH	0.05	N = 296
50TH	0.04	N = 367
30TH	0.03	N = 1338
MIN	<0.01	

Data Summary

Variable - Te	Mean - 0.06
Units - ppm	Median - 0.04
DL - 0.01	Mode - 0.02
Method - ICPMS	Range - 8.925
N - 2846	StD - 0.22
N>DL - 2560	CV - 3.362

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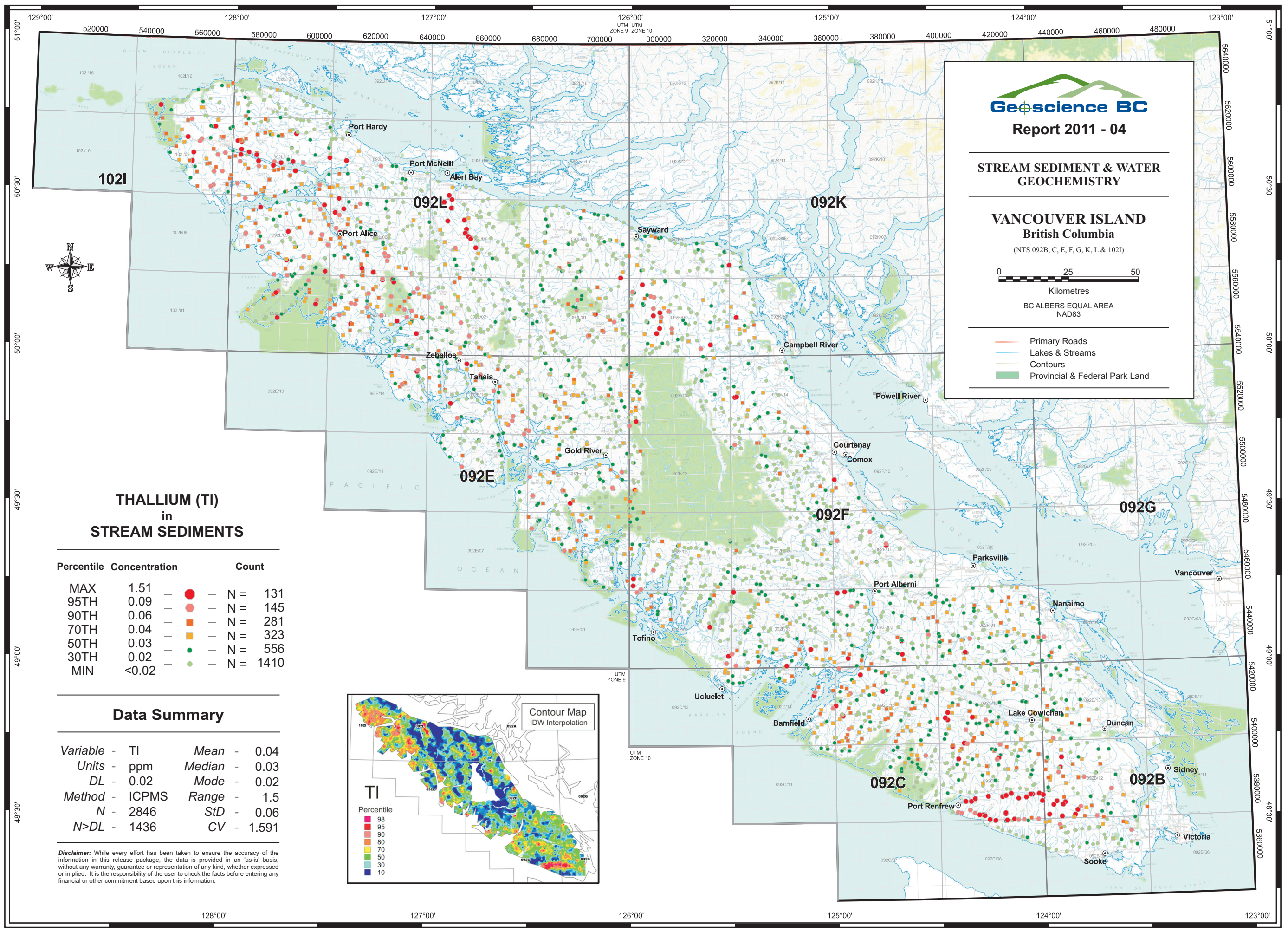
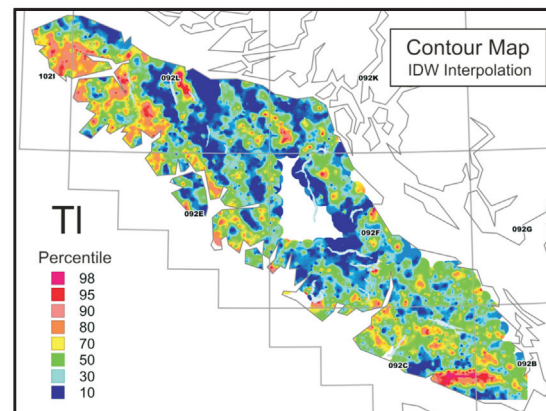
THALLIUM (TI) in STREAM SEDIMENTS

Percentile	Concentration	Count
MAX	1.51	N = 131
95TH	0.09	N = 145
90TH	0.06	N = 281
70TH	0.04	N = 323
50TH	0.03	N = 556
30TH	0.02	N = 1410
MIN	<0.02	

Data Summary

Variable -	TI	Mean -	0.04
Units -	ppm	Median -	0.03
DL -	0.02	Mode -	0.02
Method -	ICPMS	Range -	1.5
N -	2846	StD -	0.06
N>DL -	1436	CV -	1.591

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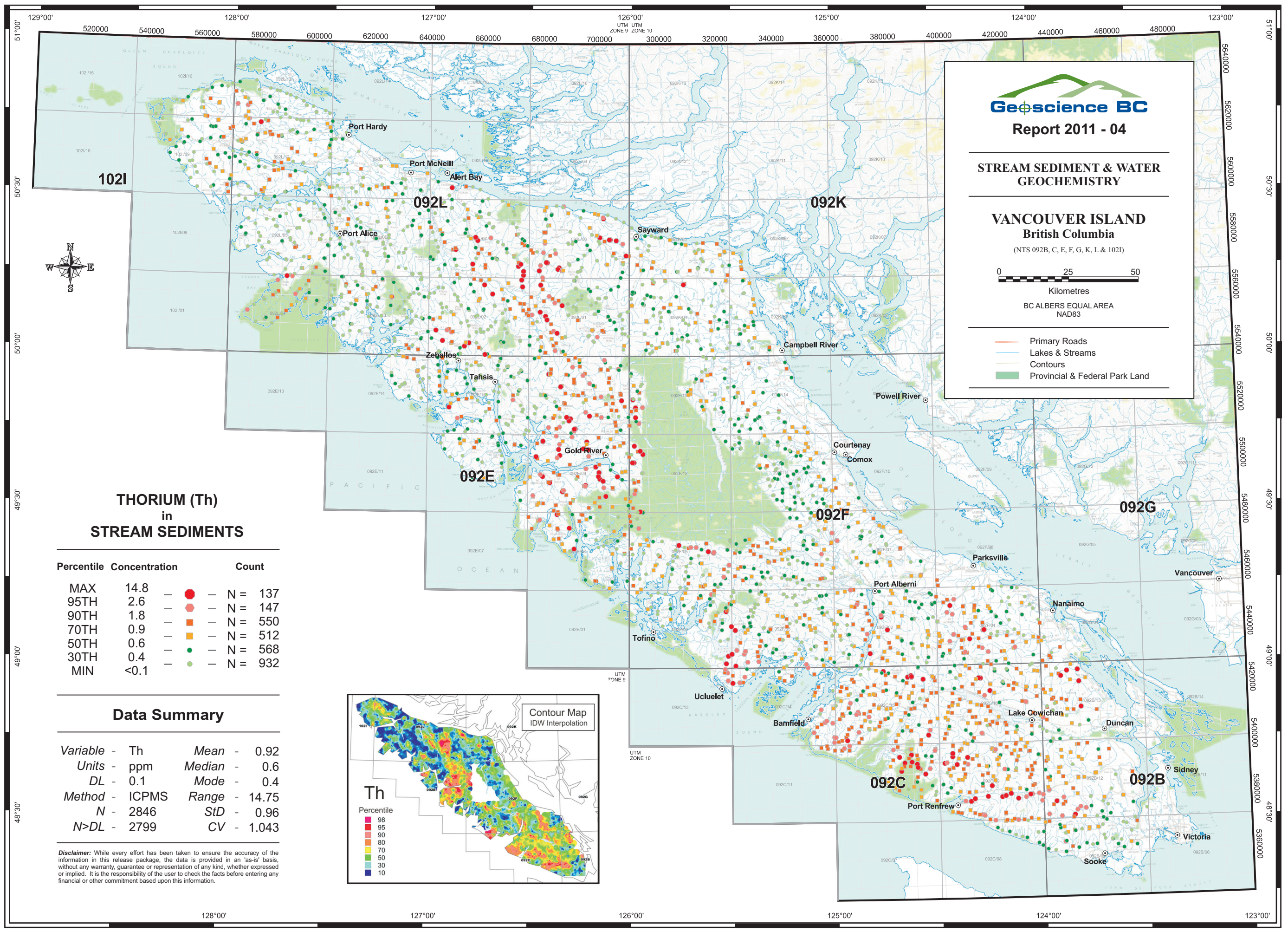
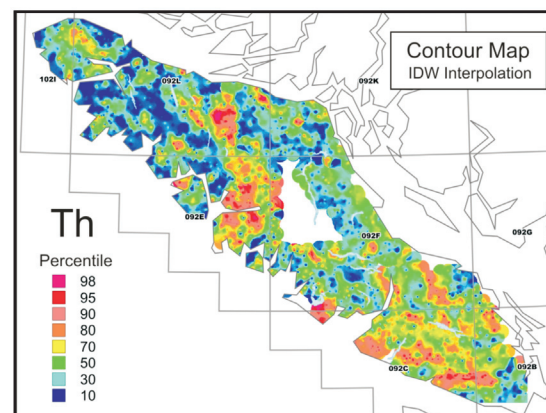
**THORIUM (Th)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	14.8	N = 137
95TH	2.6	N = 147
90TH	1.8	N = 550
70TH	0.9	N = 512
50TH	0.6	N = 568
30TH	0.4	N = 932
MIN	<0.1	

Data Summary

Variable - Th	Mean - 0.92
Units - ppm	Median - 0.6
DL - 0.1	Mode - 0.4
Method - ICPMS	Range - 14.75
N - 2846	StD - 0.96
N>DL - 2799	CV - 1.043

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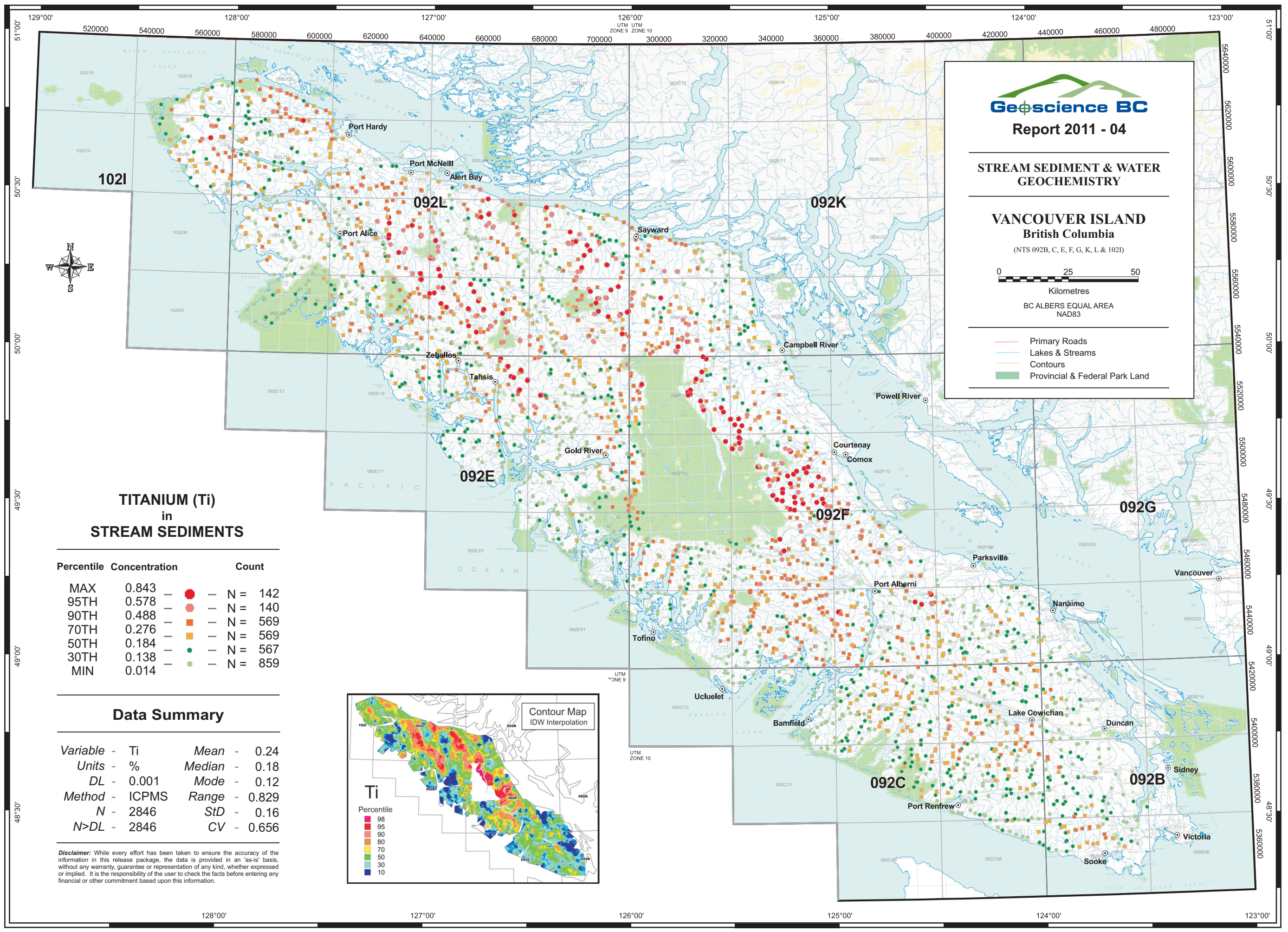
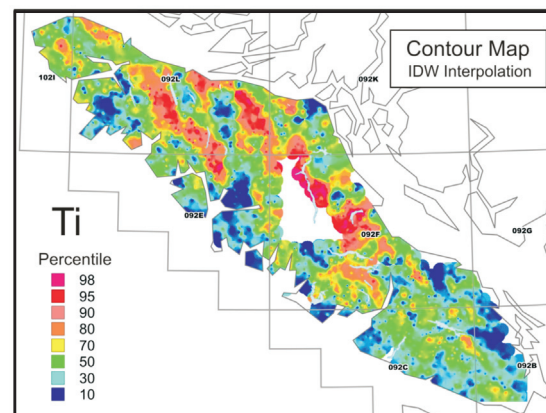
**TITANIUM (Ti)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	0.843	N = 142
95TH	0.578	N = 140
90TH	0.488	N = 569
70TH	0.276	N = 569
50TH	0.184	N = 567
30TH	0.138	N = 859
MIN	0.014	

Data Summary

Variable - Ti	Mean - 0.24
Units - %	Median - 0.18
DL - 0.001	Mode - 0.12
Method - ICPMS	Range - 0.829
N - 2846	StD - 0.16
N>DL - 2846	CV - 0.656

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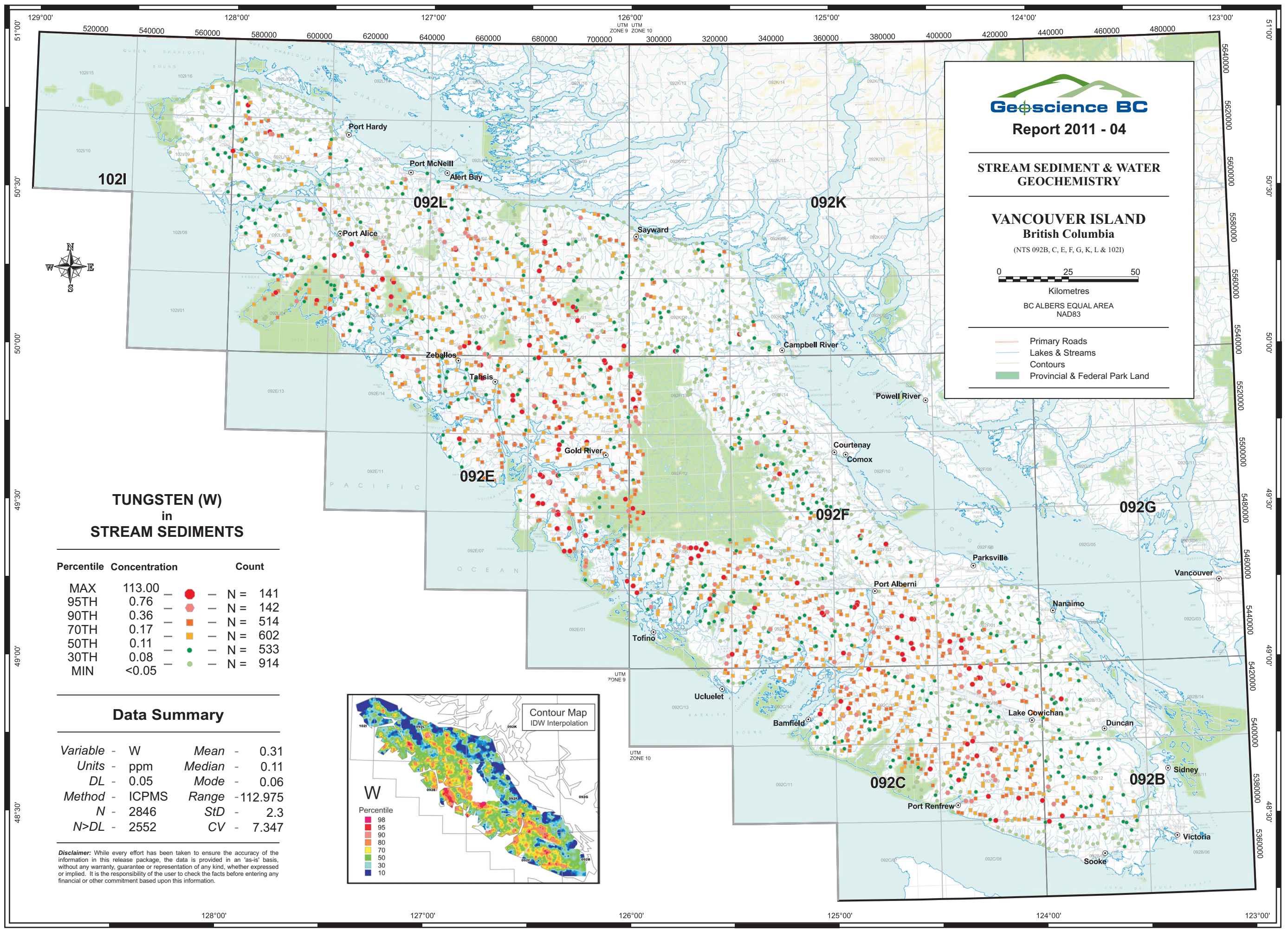
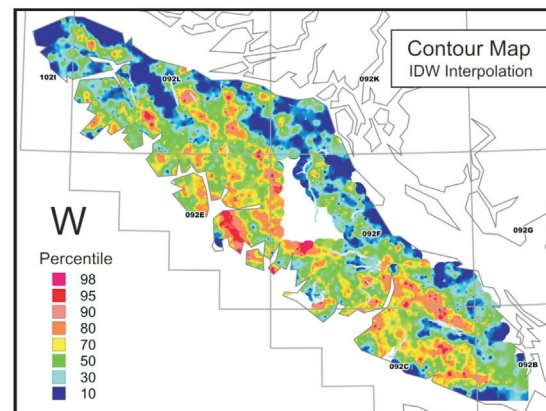
TUNGSTEN (W)
in
STREAM SEDIMENTS

Percentile	Concentration	Count
MAX	113.00	N = 141
95TH	0.76	N = 142
90TH	0.36	N = 514
70TH	0.17	N = 602
50TH	0.11	N = 533
30TH	0.08	N = 914
MIN	<0.05	

Data Summary

Variable - W	Mean - 0.31
Units - ppm	Median - 0.11
DL - 0.05	Mode - 0.06
Method - ICPMS	Range - 112.975
N - 2846	StD - 2.3
N>DL - 2552	CV - 7.347

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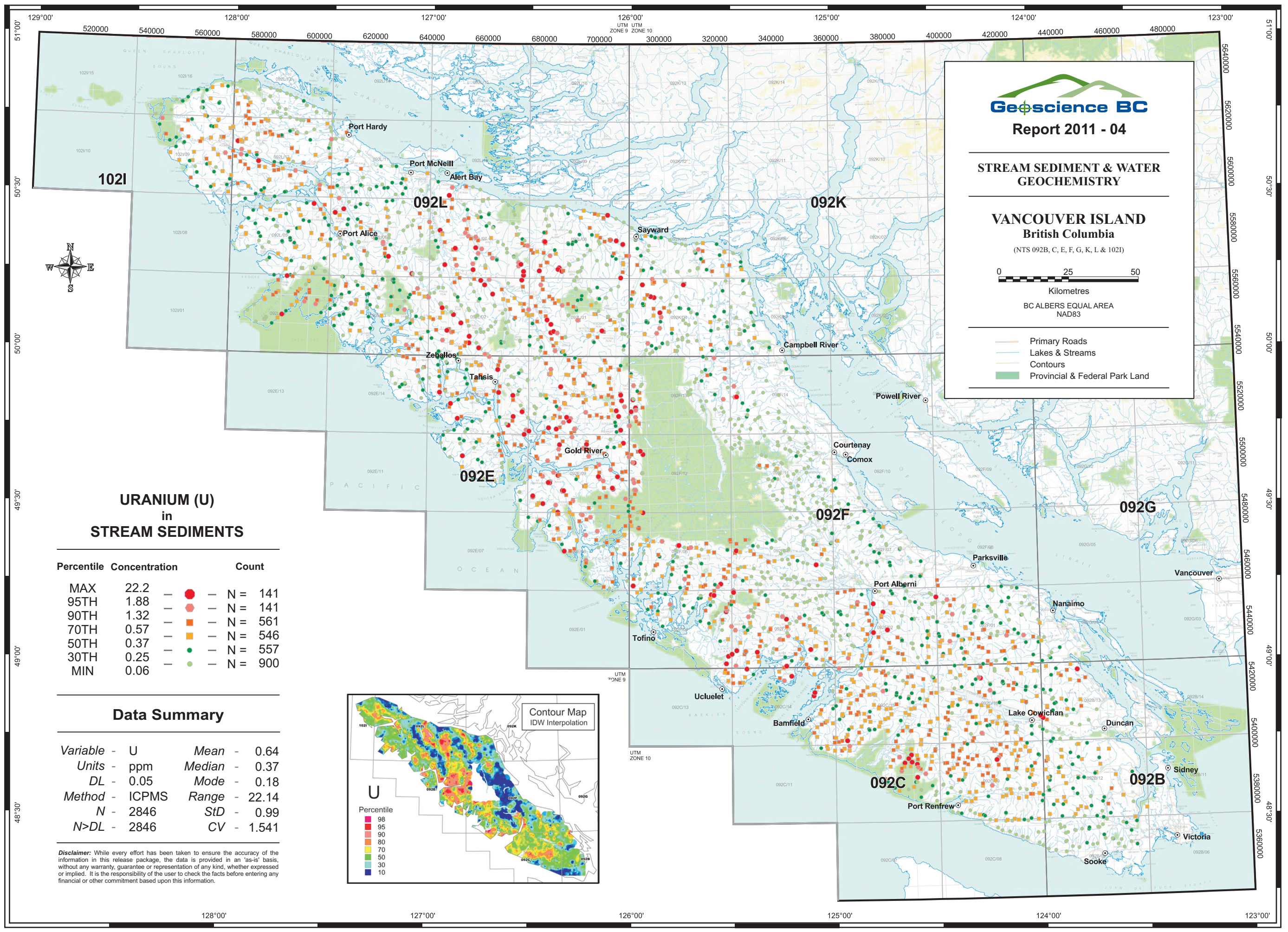
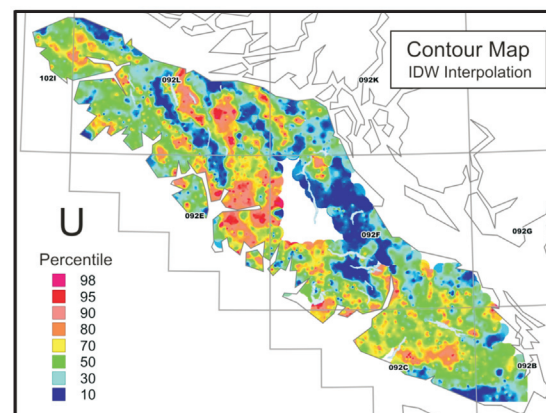
URANIUM (U) in STREAM SEDIMENTS

Percentile	Concentration	Count
MAX	22.2	N = 141
95TH	1.88	N = 141
90TH	1.32	N = 561
70TH	0.57	N = 546
50TH	0.37	N = 557
30TH	0.25	N = 900
MIN	0.06	

Data Summary

Variable - U	Mean - 0.64
Units - ppm	Median - 0.37
DL - 0.05	Mode - 0.18
Method - ICPMS	Range - 22.14
N - 2846	StD - 0.99
N>DL - 2846	CV - 1.541

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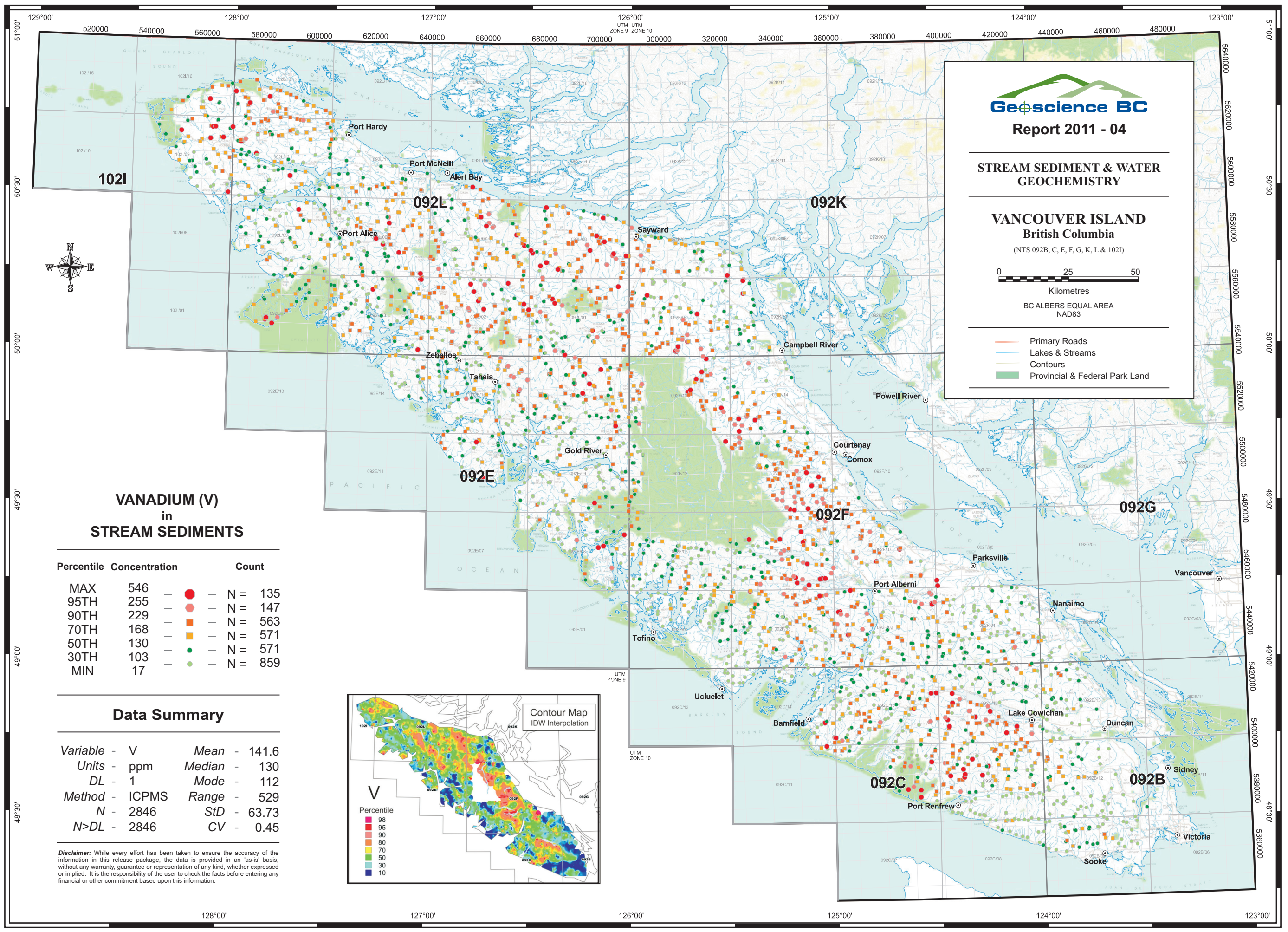
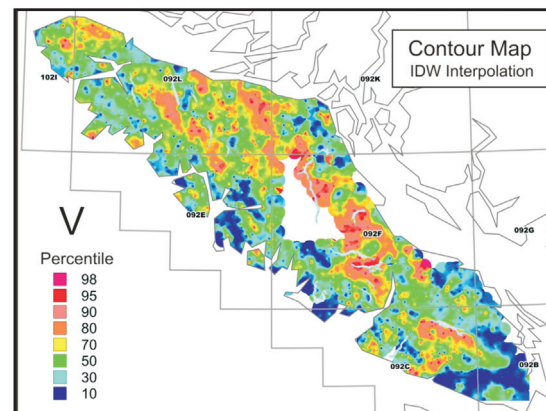
VANADIUM (V) in STREAM SEDIMENTS

Percentile	Concentration	Count
MAX	546	N = 135
95TH	255	N = 147
90TH	229	N = 563
70TH	168	N = 571
50TH	130	N = 571
30TH	103	N = 859
MIN	17	

Data Summary

Variable - V	Mean - 141.6
Units - ppm	Median - 130
DL - 1	Mode - 112
Method - ICPMS	Range - 529
N - 2846	StD - 63.73
N>DL - 2846	CV - 0.45

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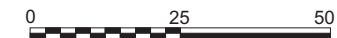


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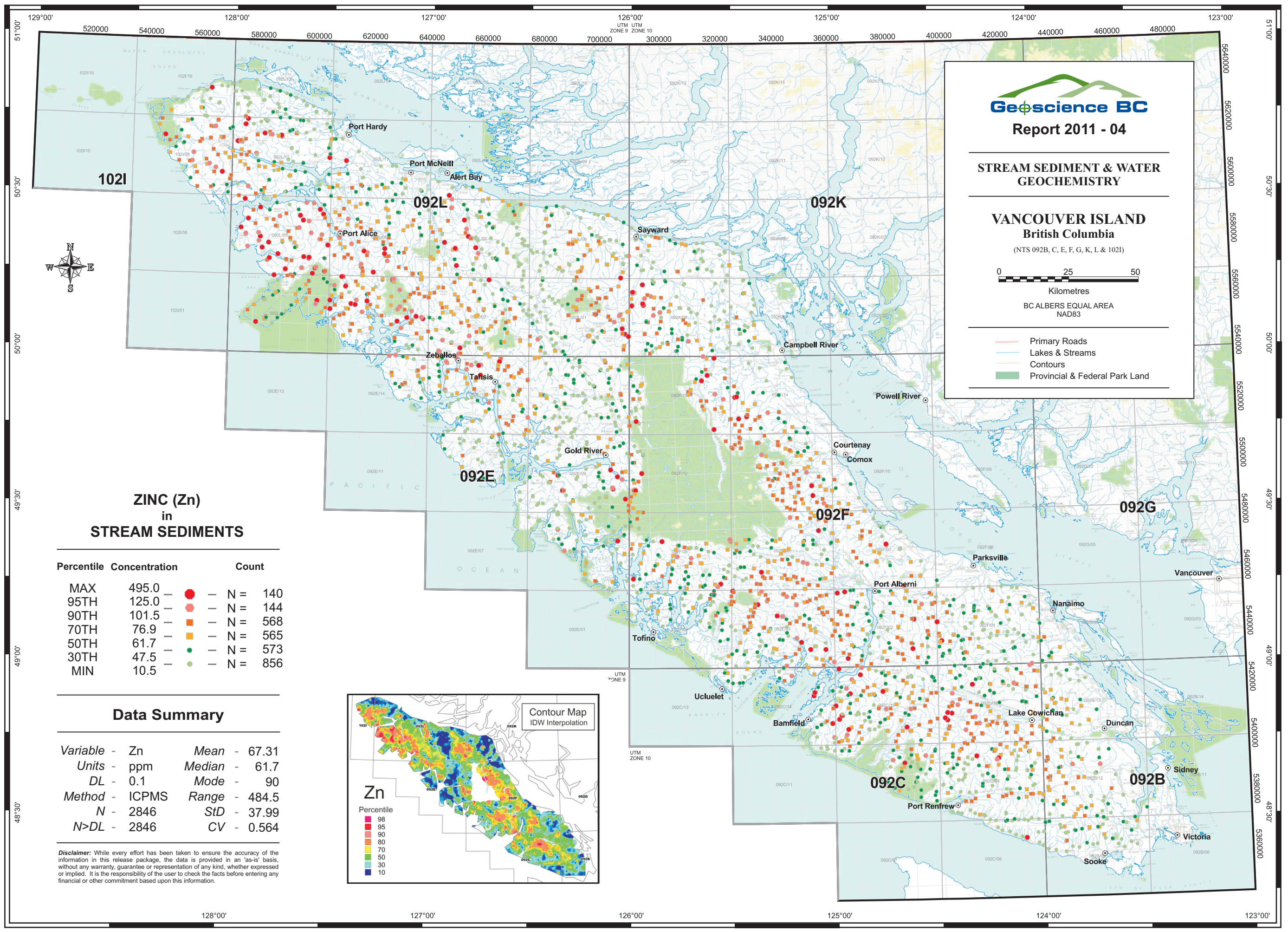
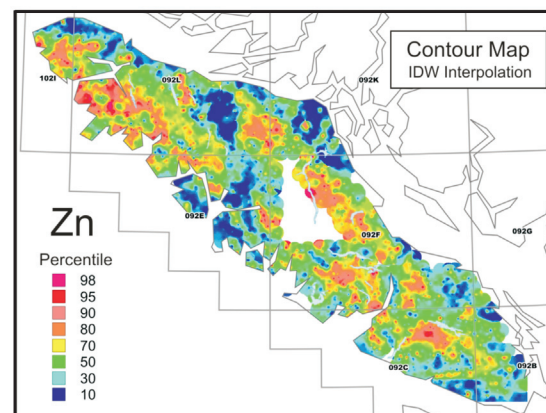
**ZINC (Zn)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	495.0	N = 140
95TH	125.0	N = 144
90TH	101.5	N = 568
70TH	76.9	N = 565
50TH	61.7	N = 573
30TH	47.5	N = 856
MIN	10.5	

Data Summary

Variable - Zn	Mean - 67.31
Units - ppm	Median - 61.7
DL - 0.1	Mode - 90
Method - ICPMS	Range - 484.5
N - 2846	StD - 37.99
N>DL - 2846	CV - 0.564

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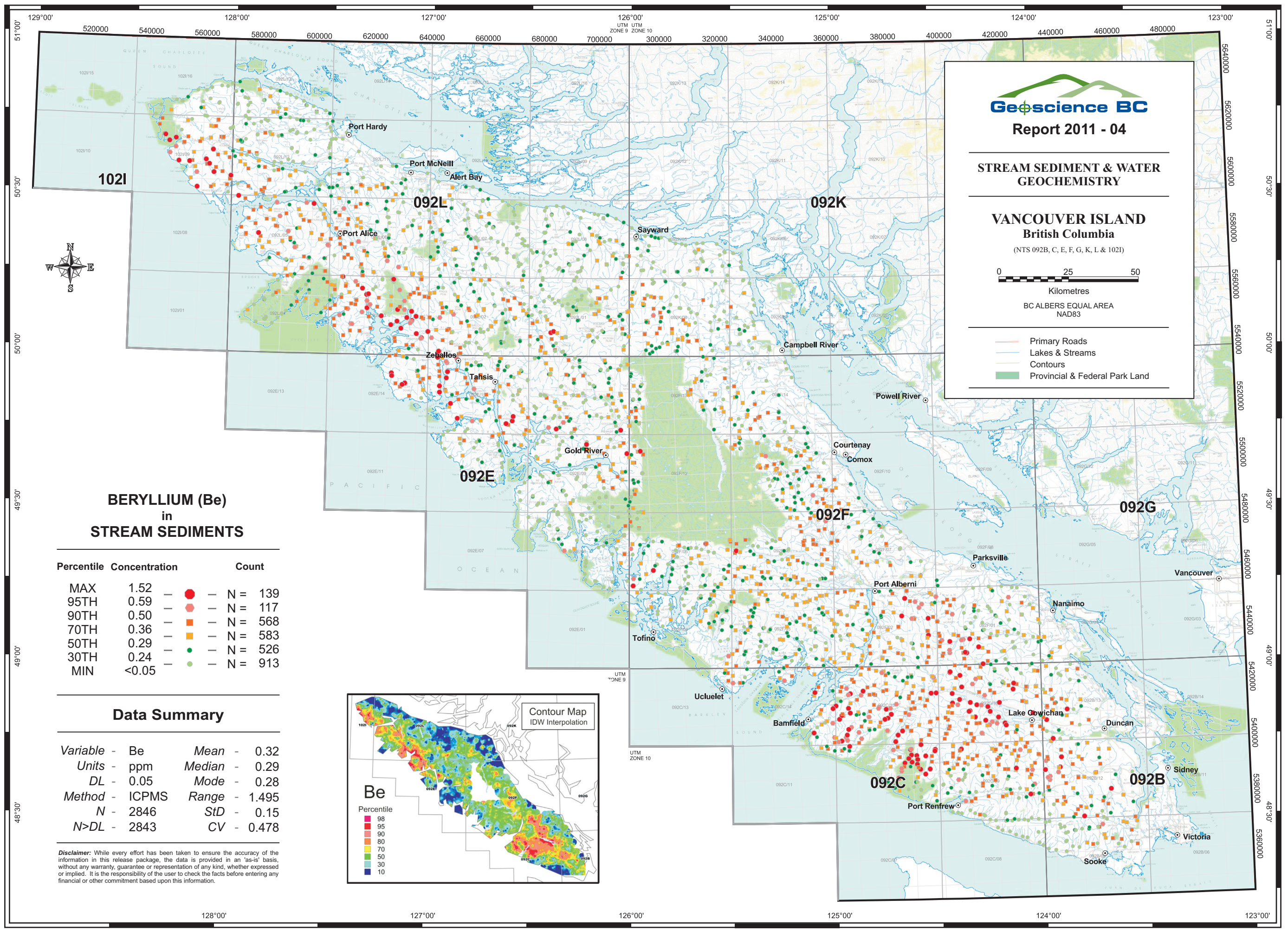
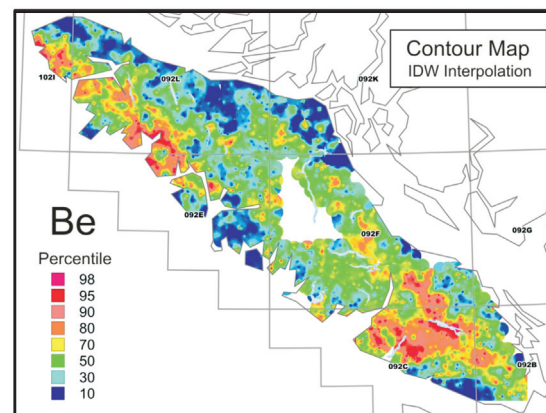
**BERYLLIUM (Be)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	1.52	N = 139
95TH	0.59	N = 117
90TH	0.50	N = 568
70TH	0.36	N = 583
50TH	0.29	N = 526
30TH	0.24	N = 913
MIN	<0.05	

Data Summary

Variable	- Be	Mean	- 0.32
Units	- ppm	Median	- 0.29
DL	- 0.05	Mode	- 0.28
Method	- ICPMS	Range	- 1.495
N	- 2846	StD	- 0.15
N>DL	- 2843	CV	- 0.478

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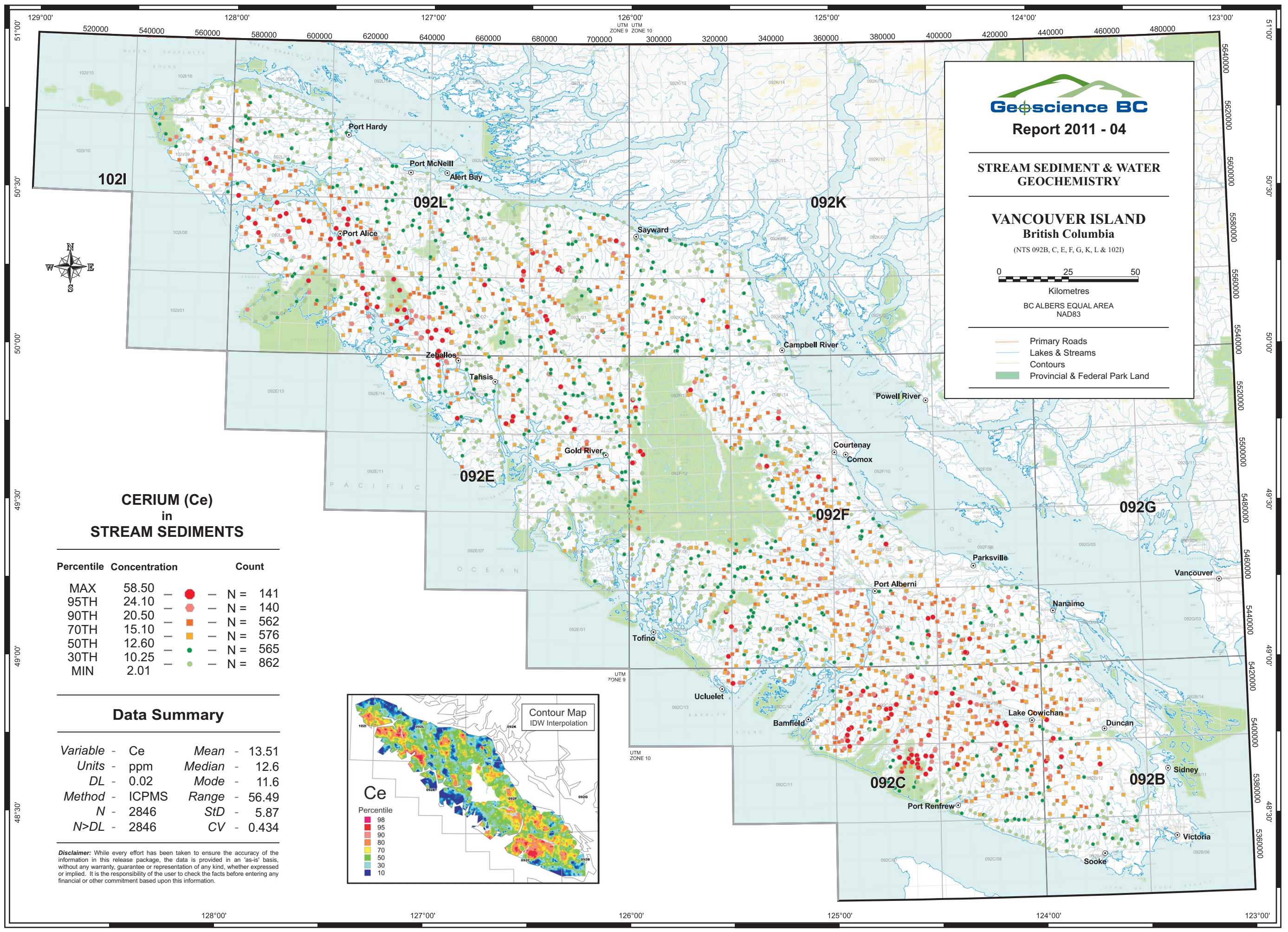
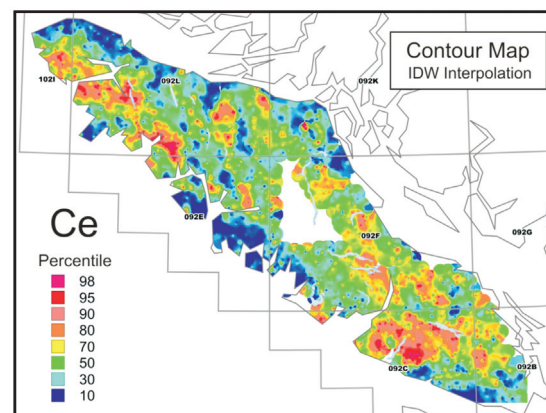
**CERIUM (Ce)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	58.50	N = 141
95TH	24.10	N = 140
90TH	20.50	N = 562
70TH	15.10	N = 576
50TH	12.60	N = 565
30TH	10.25	N = 862
MIN	2.01	

Data Summary

Variable - Ce	Mean - 13.51
Units - ppm	Median - 12.6
DL - 0.02	Mode - 11.6
Method - ICPMS	Range - 56.49
N - 2846	StD - 5.87
N>DL - 2846	CV - 0.434

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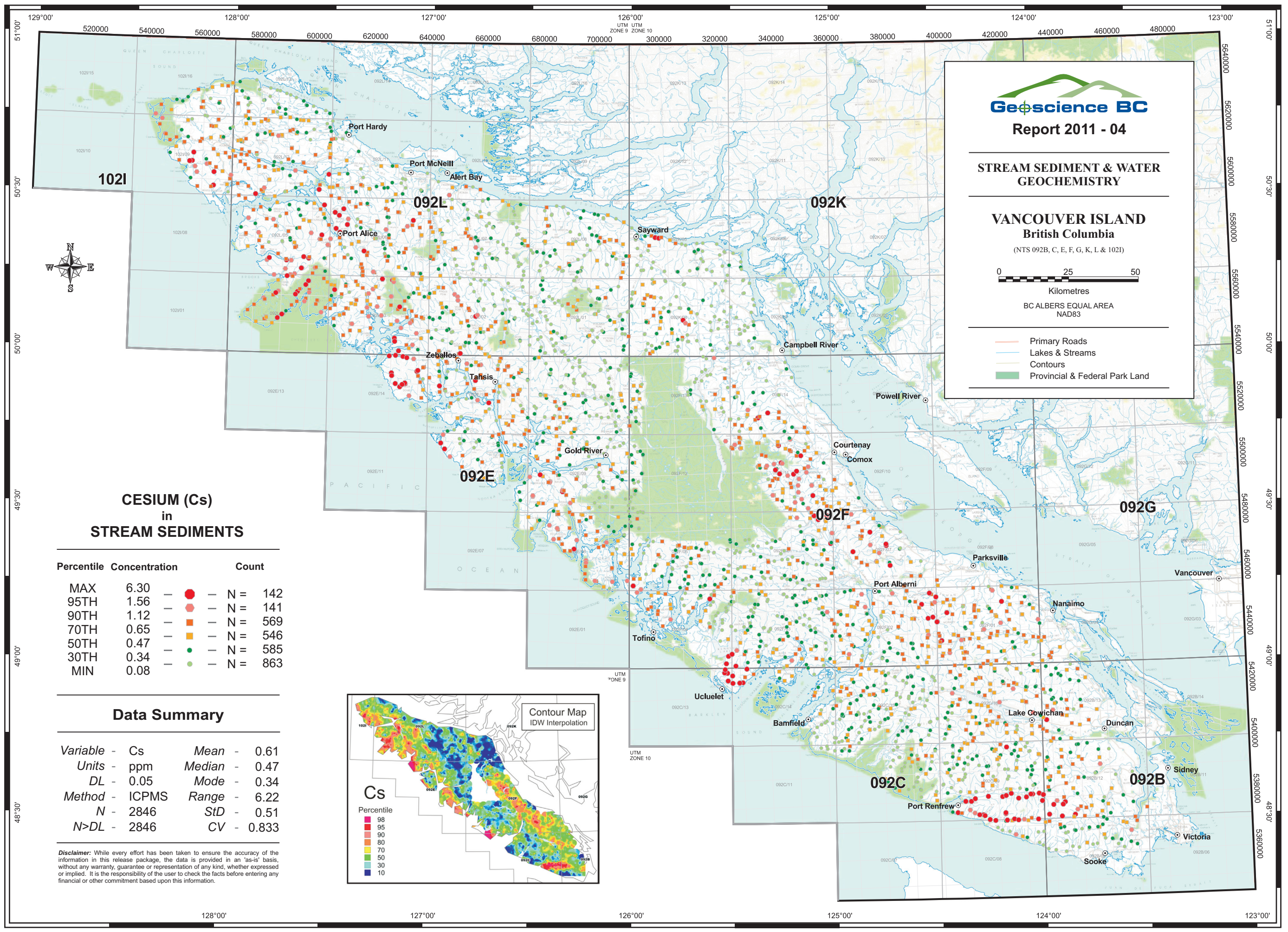
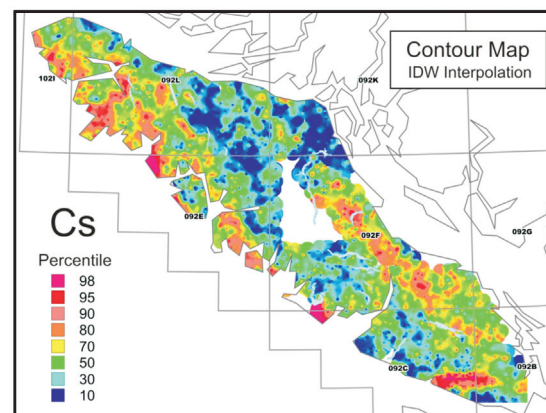
**CESIUM (Cs)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	6.30	N = 142
95TH	1.56	N = 141
90TH	1.12	N = 569
70TH	0.65	N = 546
50TH	0.47	N = 585
30TH	0.34	N = 863
MIN	0.08	

Data Summary

Variable - Cs	Mean - 0.61
Units - ppm	Median - 0.47
DL - 0.05	Mode - 0.34
Method - ICPMS	Range - 6.22
N - 2846	StD - 0.51
N>DL - 2846	CV - 0.833

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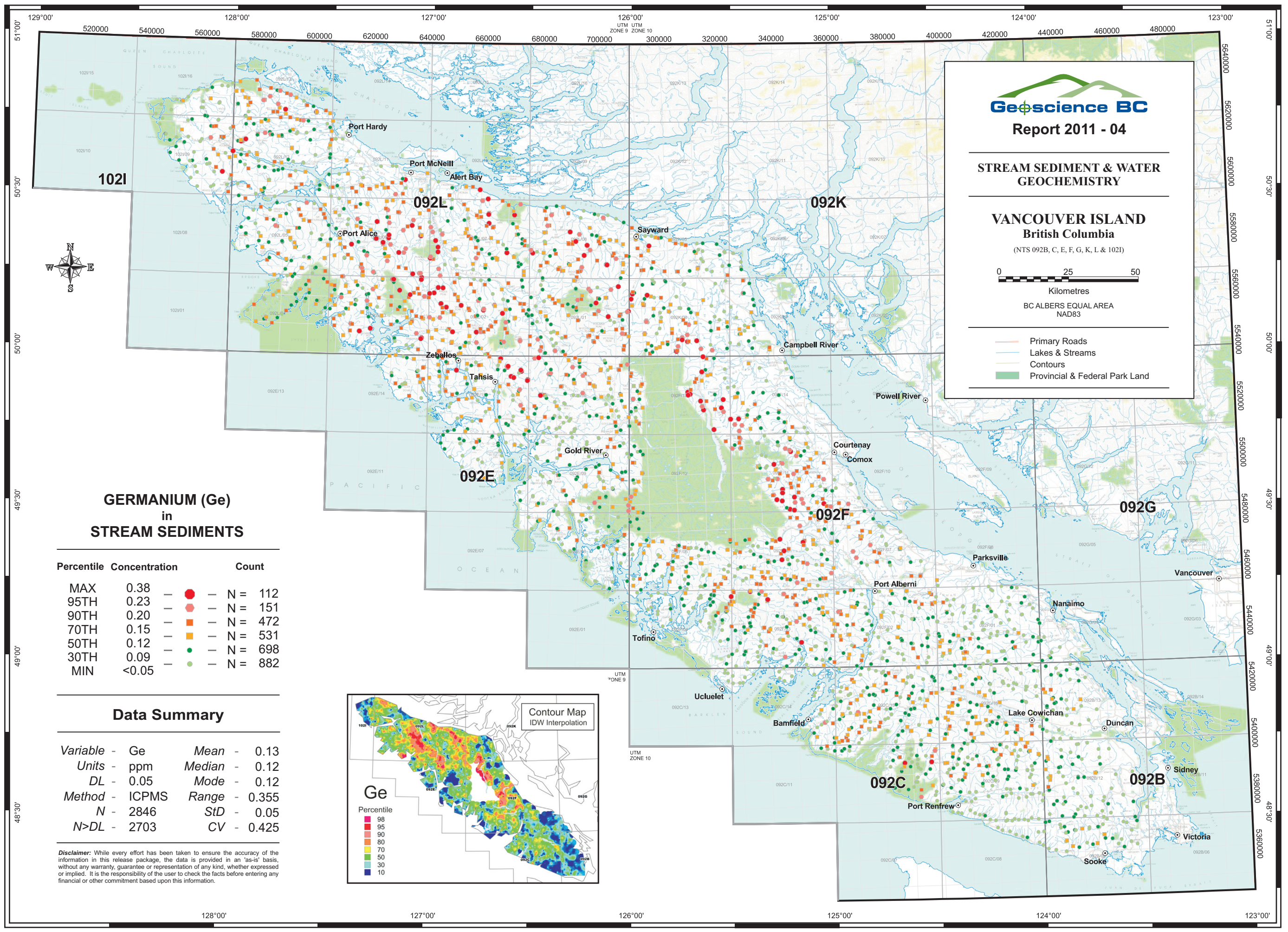
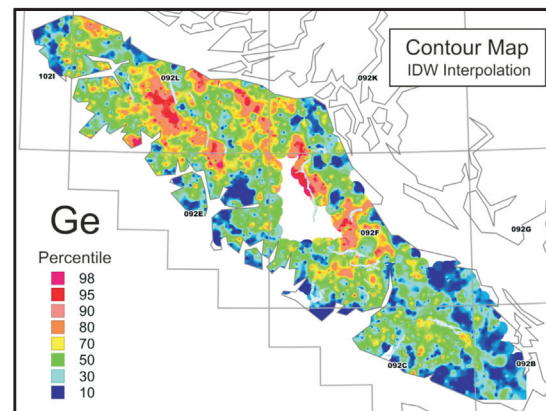
**GERMANIUM (Ge)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	0.38	N = 112
95TH	0.23	N = 151
90TH	0.20	N = 472
70TH	0.15	N = 531
50TH	0.12	N = 698
30TH	0.09	N = 882
MIN	<0.05	

Data Summary

Variable - Ge	Mean - 0.13
Units - ppm	Median - 0.12
DL - 0.05	Mode - 0.12
Method - ICPMS	Range - 0.355
N - 2846	StD - 0.05
N>DL - 2703	CV - 0.425

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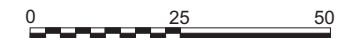


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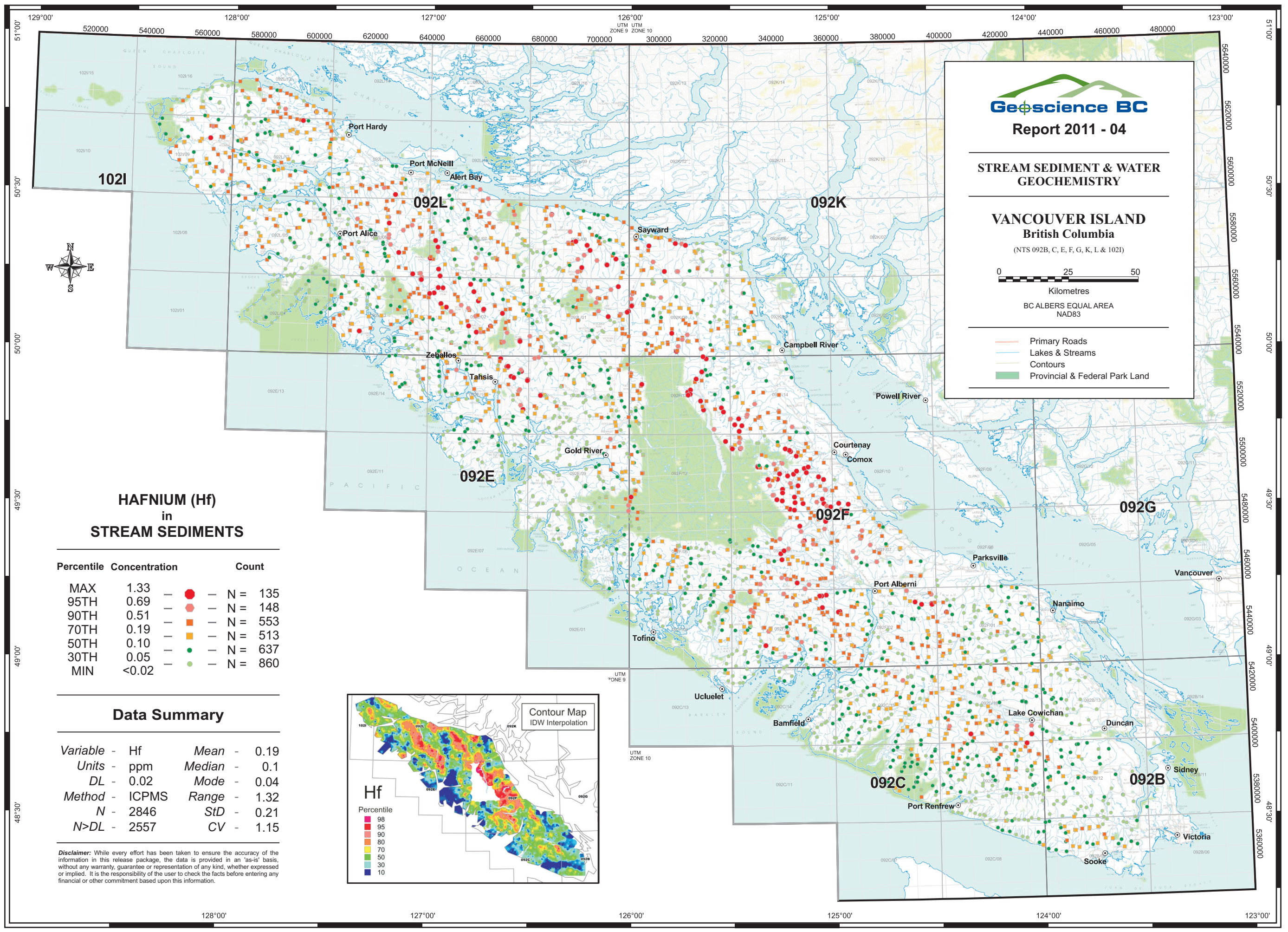
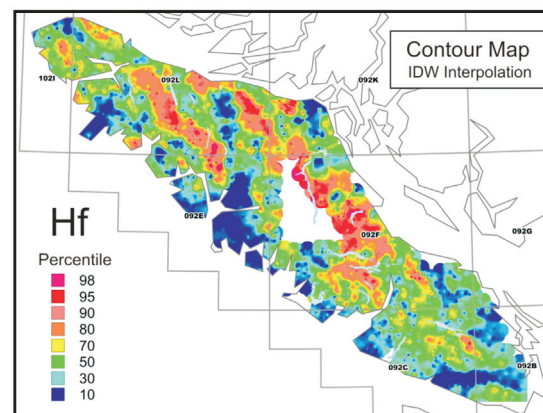
HAFNIUM (Hf) in STREAM SEDIMENTS

Percentile	Concentration	Count
MAX	1.33	N = 135
95TH	0.69	N = 148
90TH	0.51	N = 553
70TH	0.19	N = 513
50TH	0.10	N = 637
30TH	0.05	N = 860
MIN	<0.02	

Data Summary

Variable	Hf	Mean	0.19
Units	ppm	Median	0.1
DL	0.02	Mode	0.04
Method	ICPMS	Range	1.32
N	2846	StD	0.21
N>DL	2557	CV	1.15

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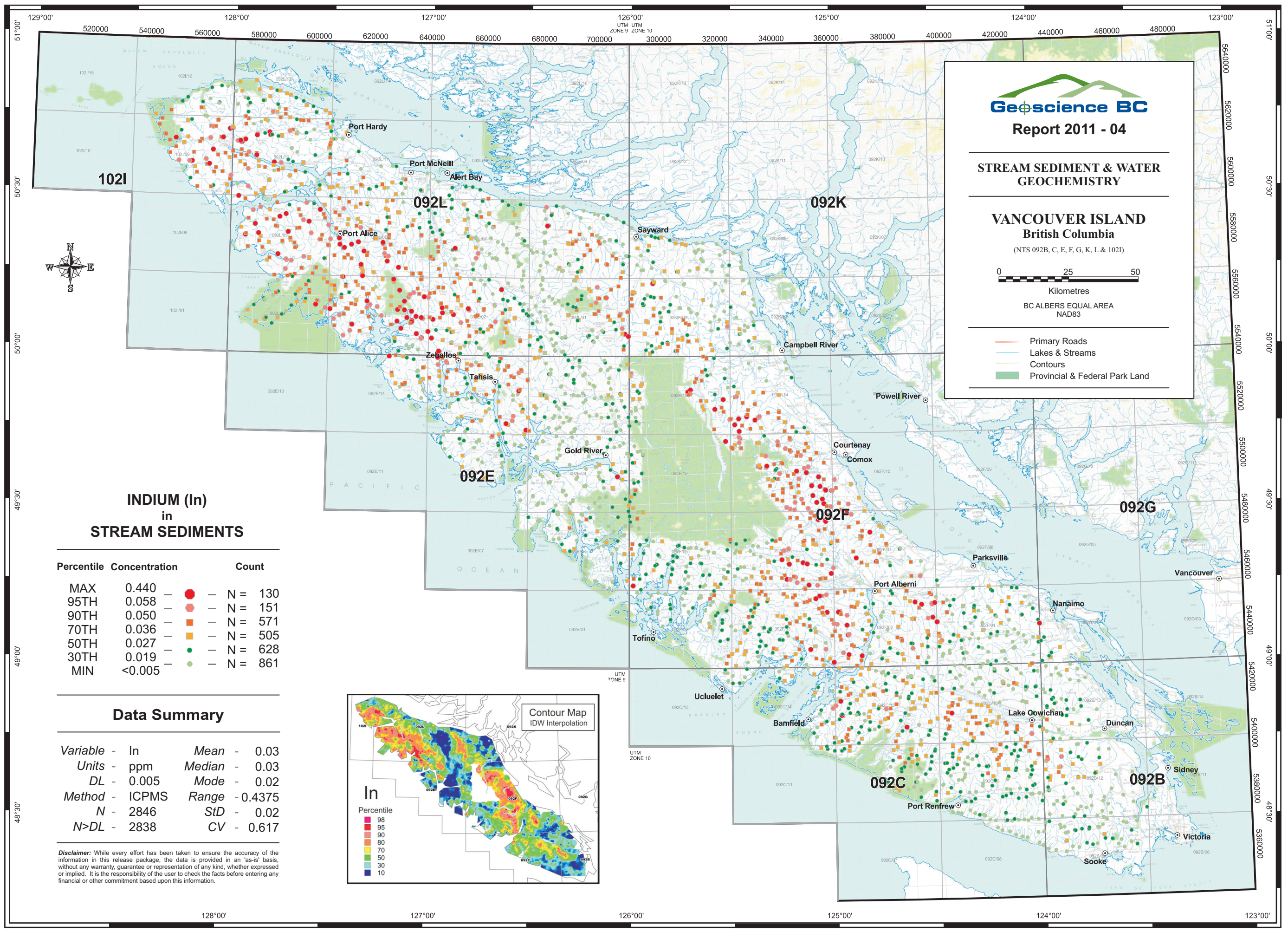
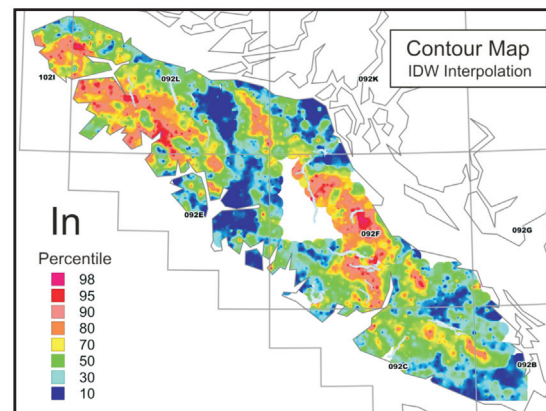
**INDIUM (In)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	0.440	N = 130
95TH	0.058	N = 151
90TH	0.050	N = 571
70TH	0.036	N = 505
50TH	0.027	N = 628
30TH	0.019	N = 861
MIN	<0.005	

Data Summary

Variable - In	Mean - 0.03
Units - ppm	Median - 0.03
DL - 0.005	Mode - 0.02
Method - ICPMS	Range - 0.4375
N - 2846	StD - 0.02
N>DL - 2838	CV - 0.617

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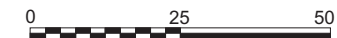


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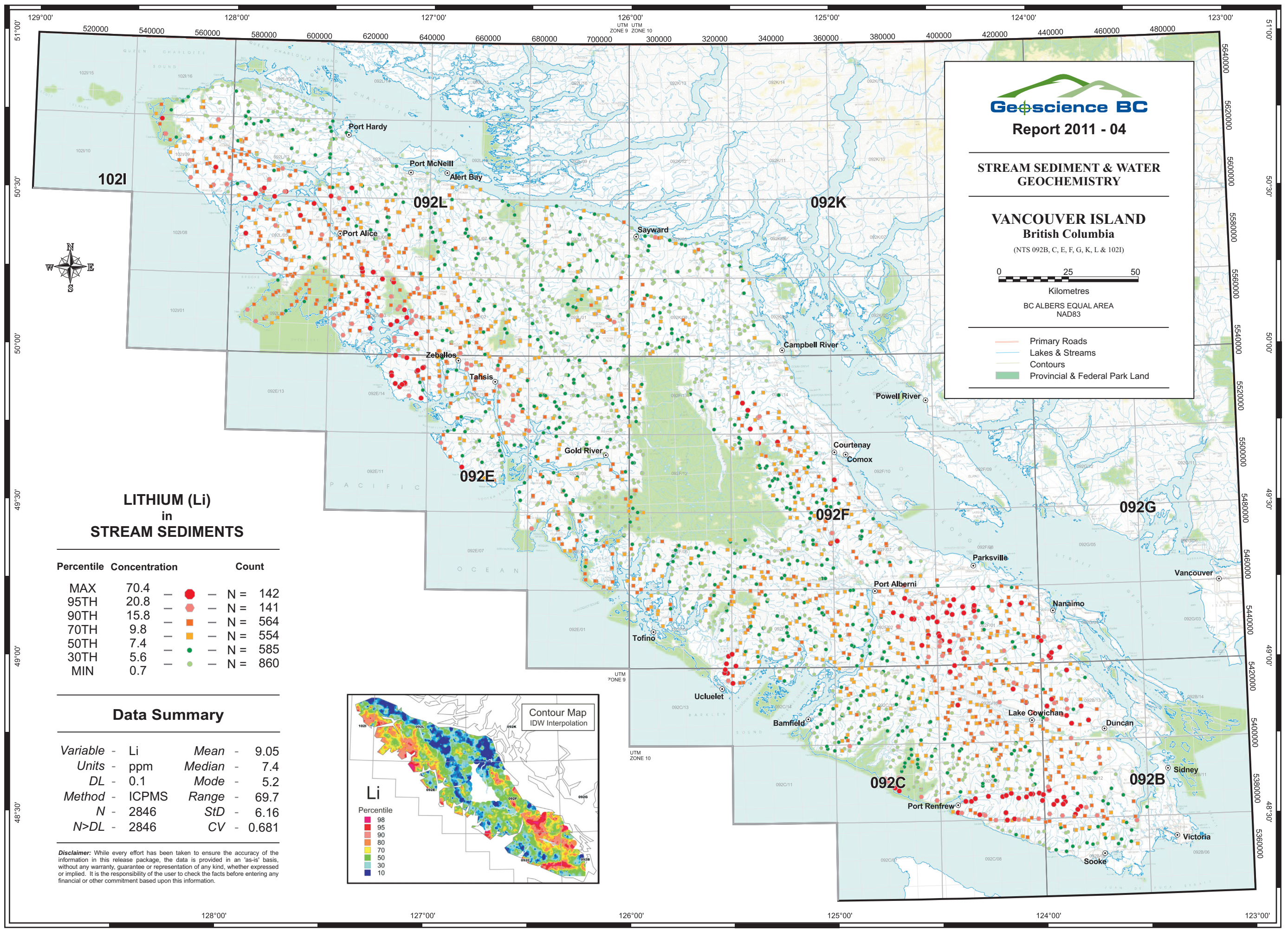
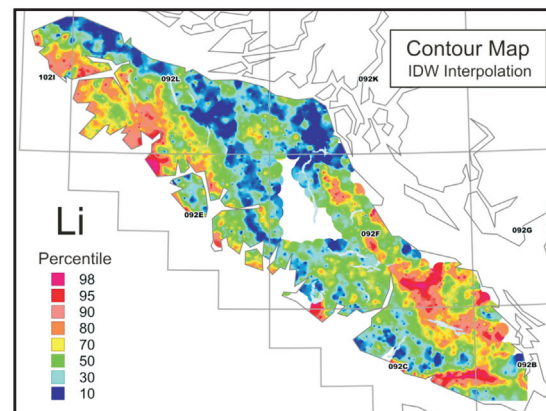
**LITHIUM (Li)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	70.4	N = 142
95TH	20.8	N = 141
90TH	15.8	N = 564
70TH	9.8	N = 554
50TH	7.4	N = 585
30TH	5.6	N = 860
MIN	0.7	

Data Summary

Variable - Li	Mean - 9.05
Units - ppm	Median - 7.4
DL - 0.1	Mode - 5.2
Method - ICPMS	Range - 69.7
N - 2846	StD - 6.16
N>DL - 2846	CV - 0.681

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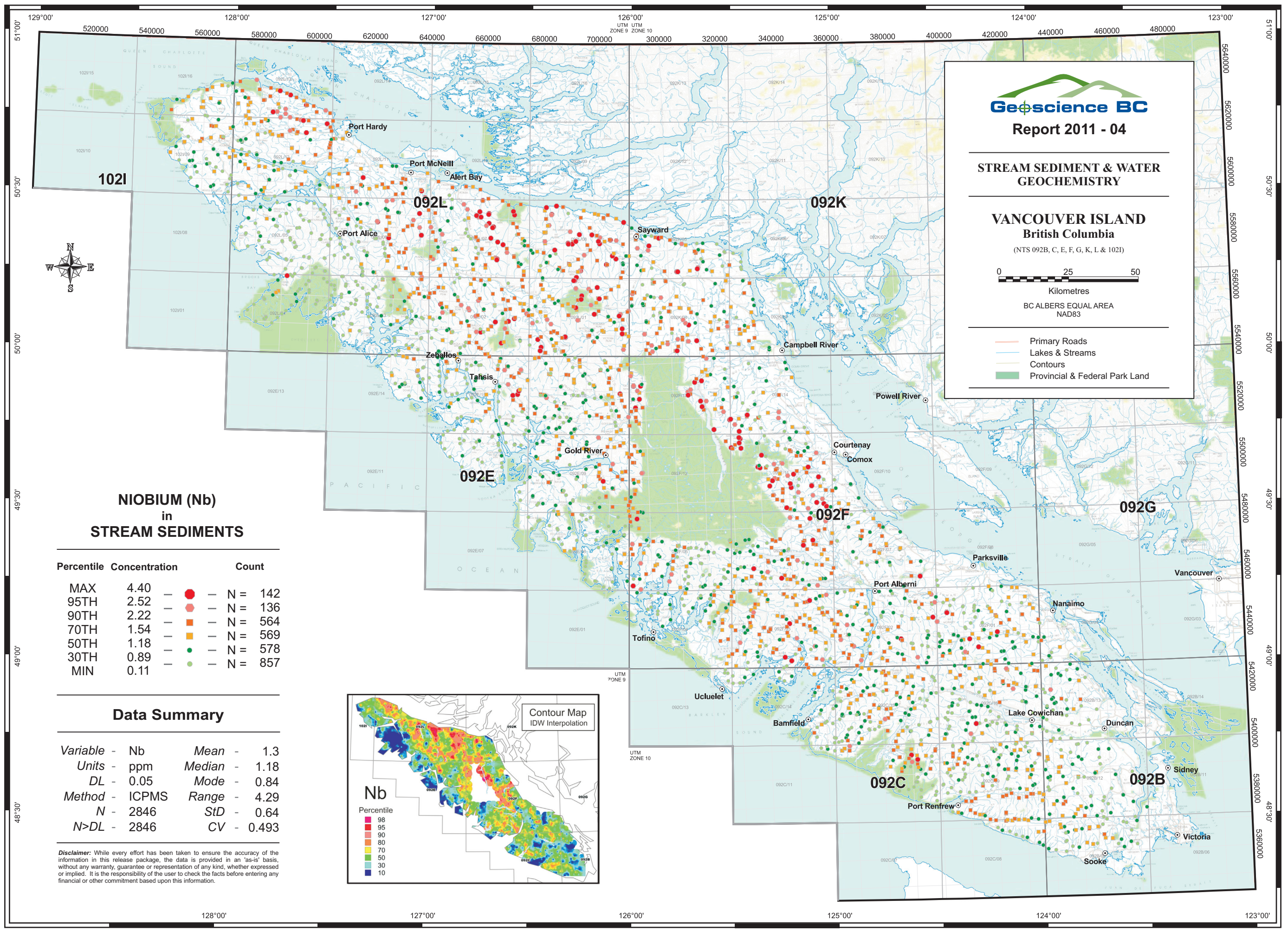
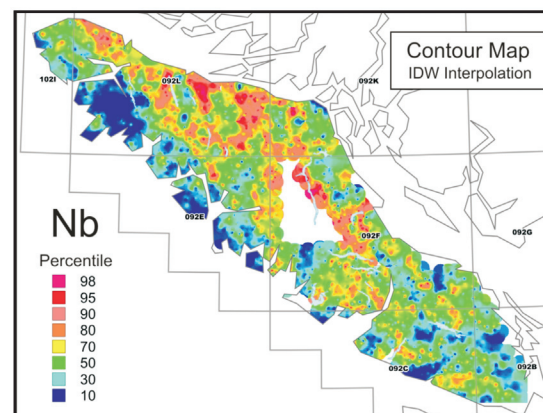
**NIOBIUM (Nb)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	4.40	N = 142
95TH	2.52	N = 136
90TH	2.22	N = 564
70TH	1.54	N = 569
50TH	1.18	N = 578
30TH	0.89	N = 578
MIN	0.11	N = 857

Data Summary

Variable - Nb	Mean - 1.3
Units - ppm	Median - 1.18
DL - 0.05	Mode - 0.84
Method - ICPMS	Range - 4.29
N - 2846	StD - 0.64
N>DL - 2846	CV - 0.493

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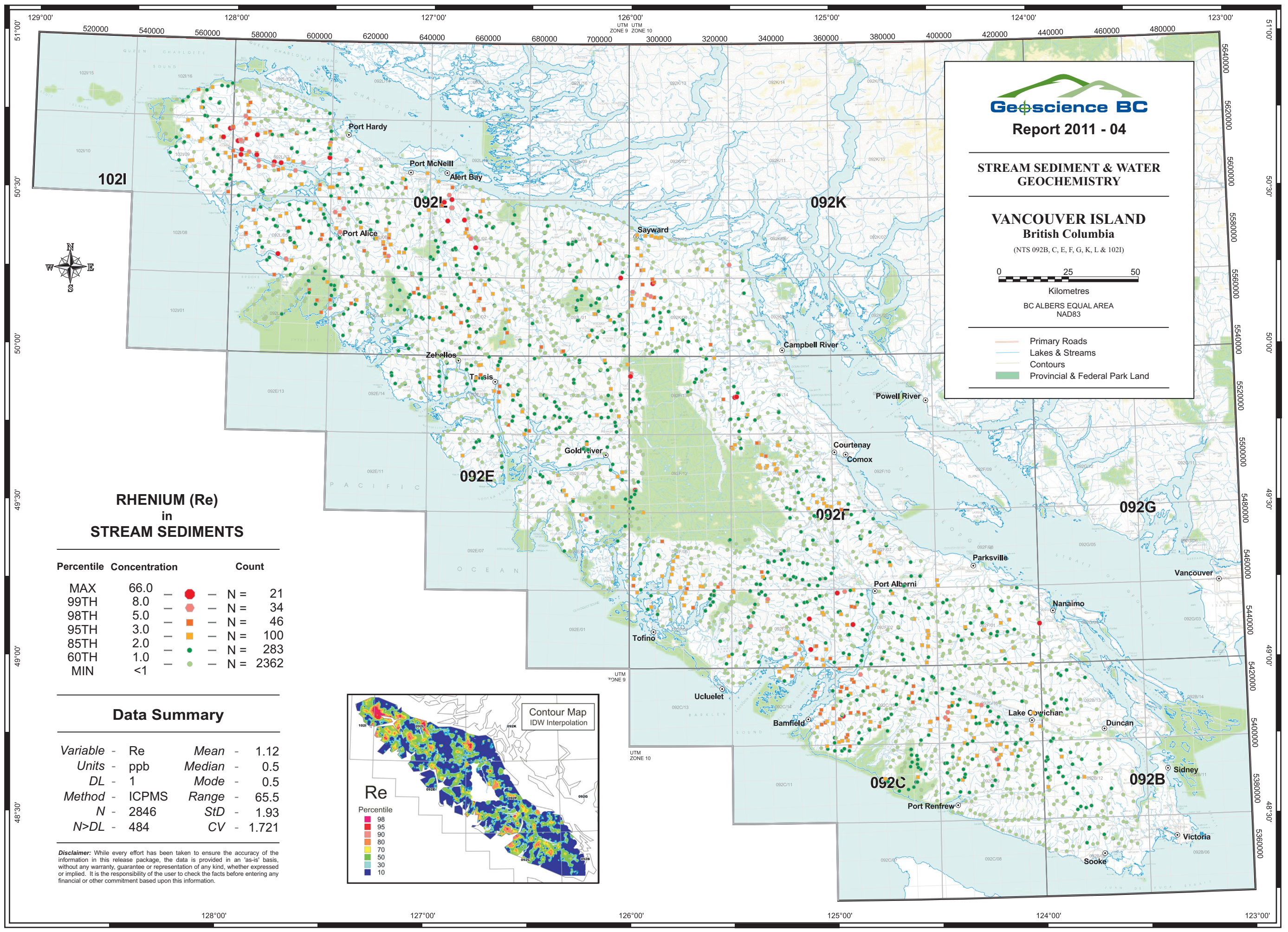
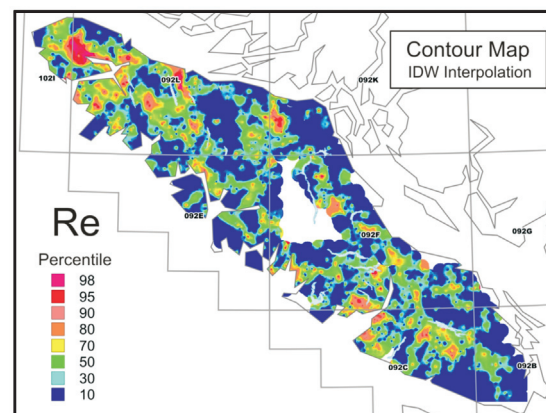
**RHENIUM (Re)
in
STREAM SEDIMENTS**

Percentile Concentration	Count
MAX 66.0	N = 21
99TH 8.0	N = 34
98TH 5.0	N = 46
95TH 3.0	N = 100
85TH 2.0	N = 283
60TH 1.0	N = 2362
MIN <1	

Data Summary

Variable - Re	Mean - 1.12
Units - ppb	Median - 0.5
DL - 1	Mode - 0.5
Method - ICPMS	Range - 65.5
N - 2846	StD - 1.93
N>DL - 484	CV - 1.721

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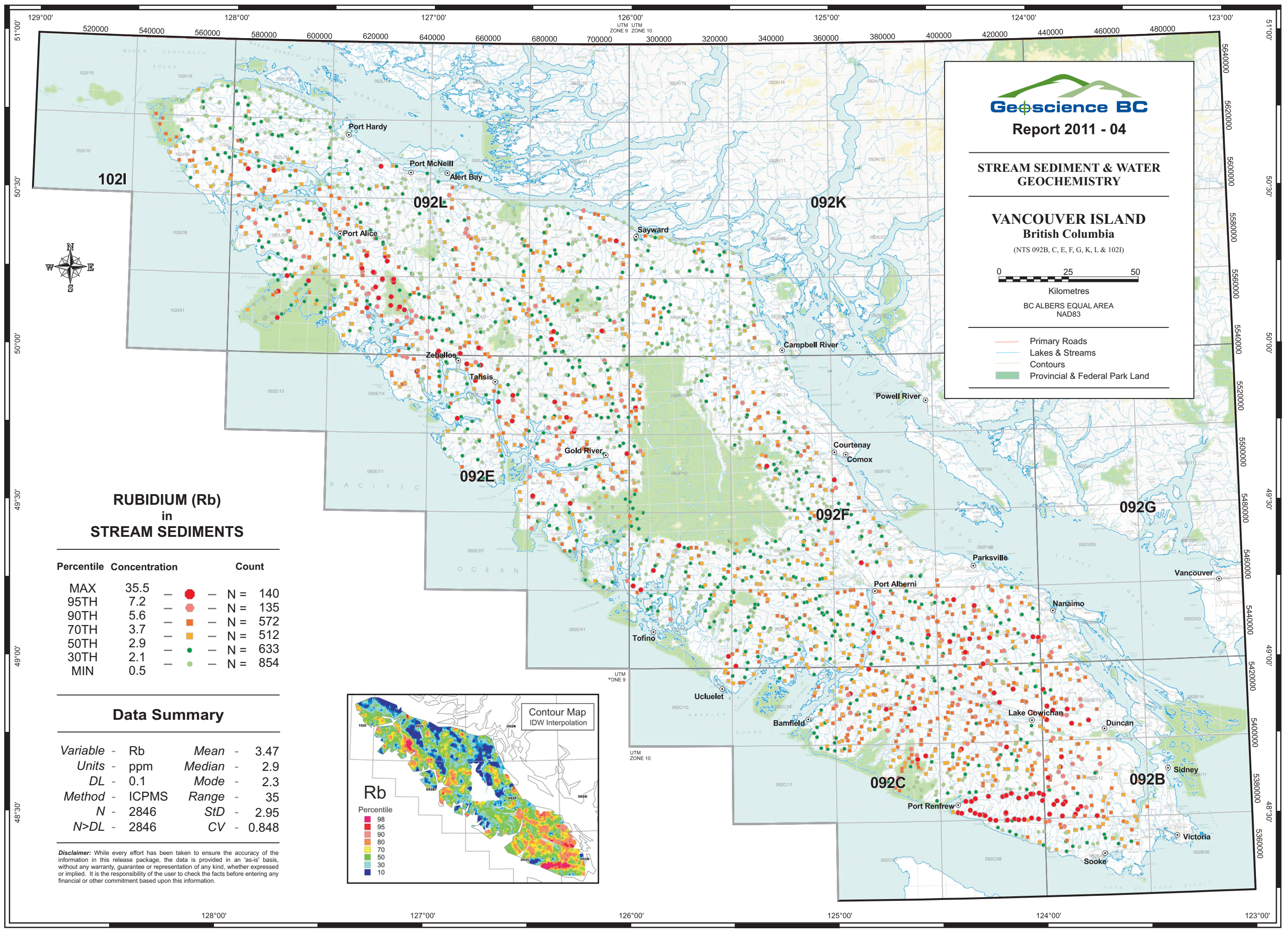
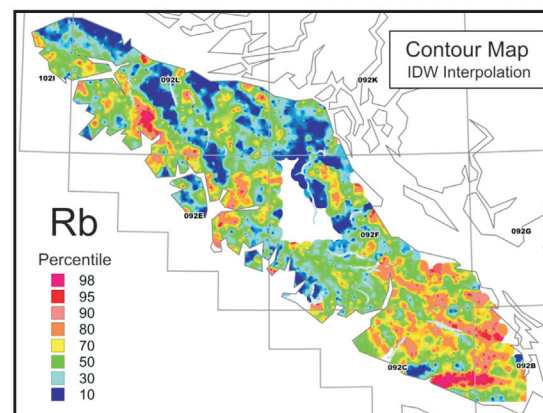
**RUBIDIUM (Rb)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	35.5	N = 140
95TH	7.2	N = 135
90TH	5.6	N = 572
70TH	3.7	N = 512
50TH	2.9	N = 633
30TH	2.1	N = 854
MIN	0.5	

Data Summary

Variable - Rb	Mean - 3.47
Units - ppm	Median - 2.9
DL - 0.1	Mode - 2.3
Method - ICPMS	Range - 35
N - 2846	StD - 2.95
N>DL - 2846	CV - 0.848

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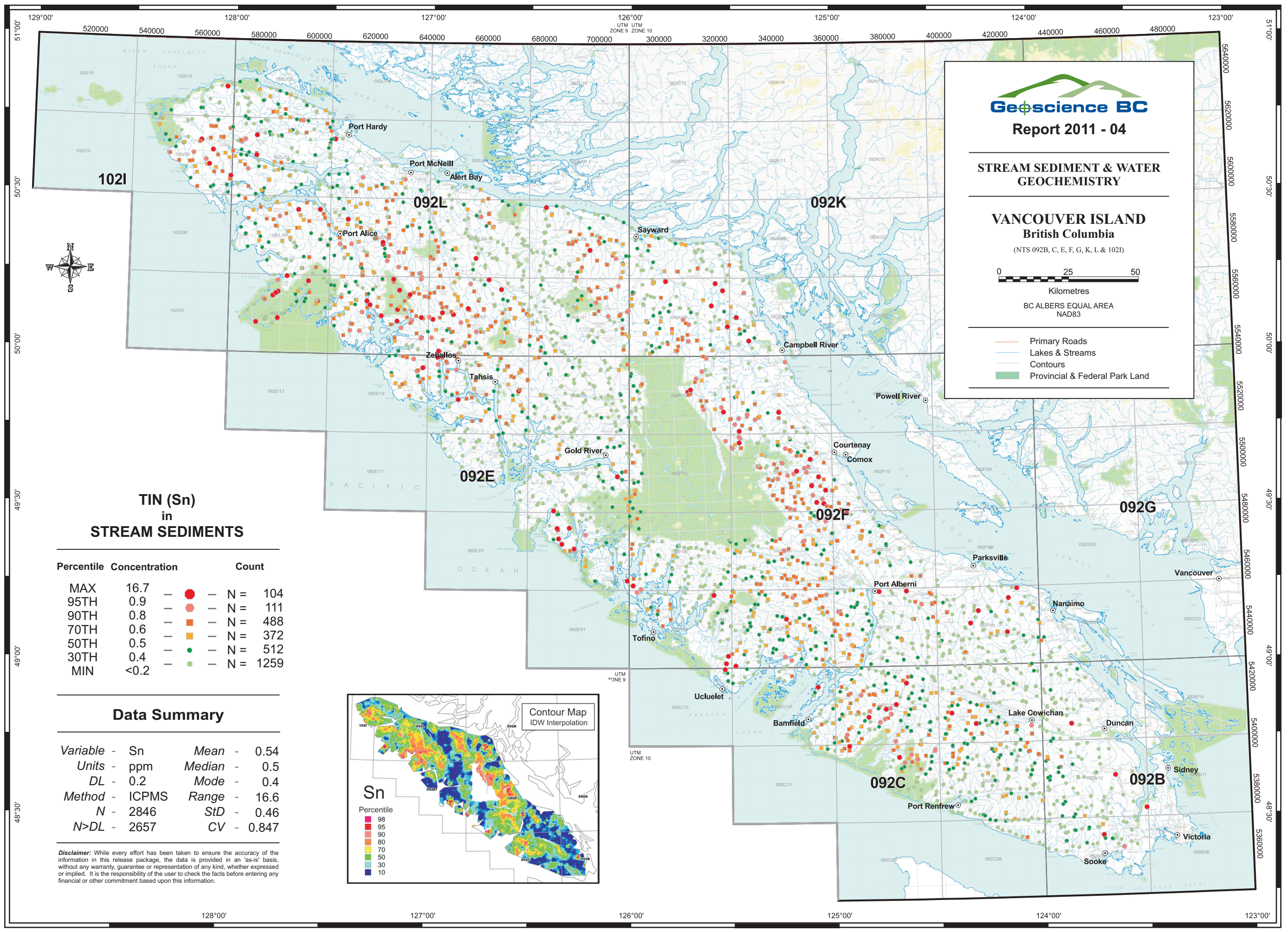
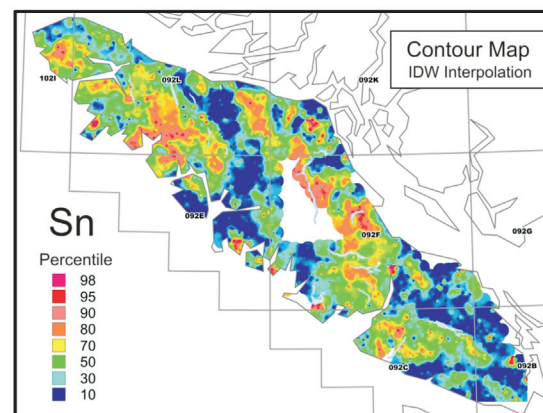
TIN (Sn) in STREAM SEDIMENTS

Percentile	Concentration	Count
MAX	16.7	N = 104
95TH	0.9	N = 111
90TH	0.8	N = 488
70TH	0.6	N = 372
50TH	0.5	N = 512
30TH	0.4	N = 1259
MIN	<0.2	

Data Summary

Variable - Sn	Mean - 0.54
Units - ppm	Median - 0.5
DL - 0.2	Mode - 0.4
Method - ICPMS	Range - 16.6
N - 2846	StD - 0.46
N>DL - 2657	CV - 0.847

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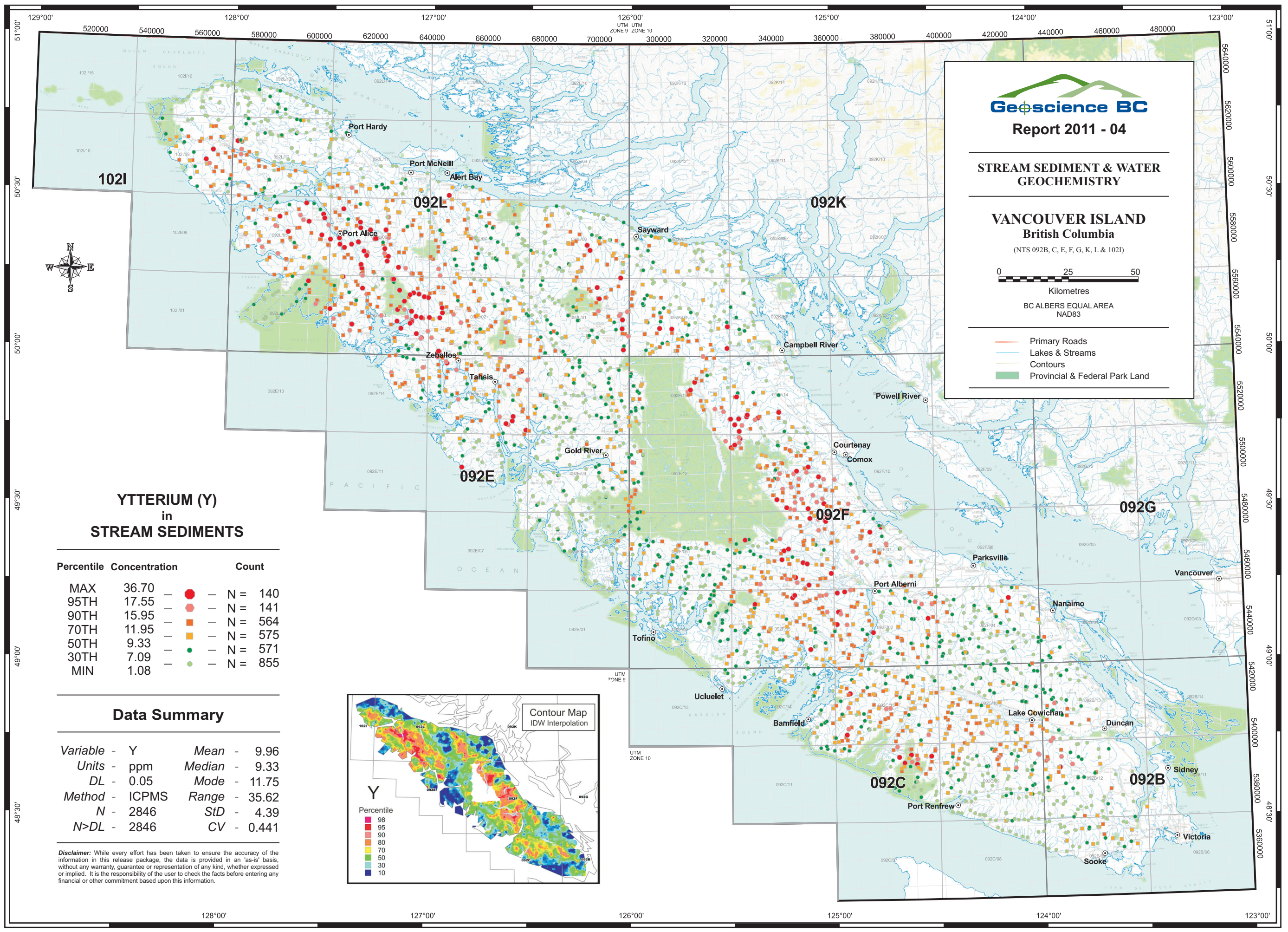
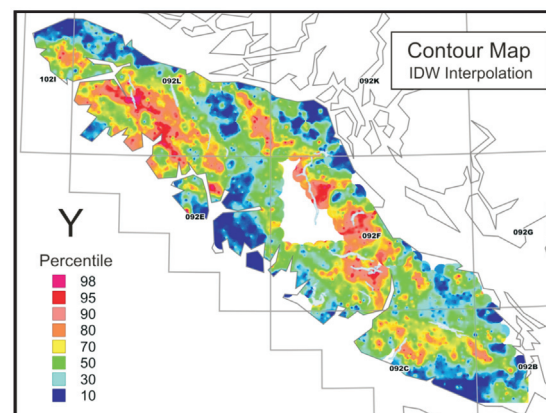
**YTTERIUM (Y)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	36.70	N = 140
95TH	17.55	N = 141
90TH	15.95	N = 564
70TH	11.95	N = 575
50TH	9.33	N = 571
30TH	7.09	N = 855
MIN	1.08	

Data Summary

Variable - Y	Mean - 9.96
Units - ppm	Median - 9.33
DL - 0.05	Mode - 11.75
Method - ICPMS	Range - 35.62
N - 2846	StD - 4.39
N>DL - 2846	CV - 0.441

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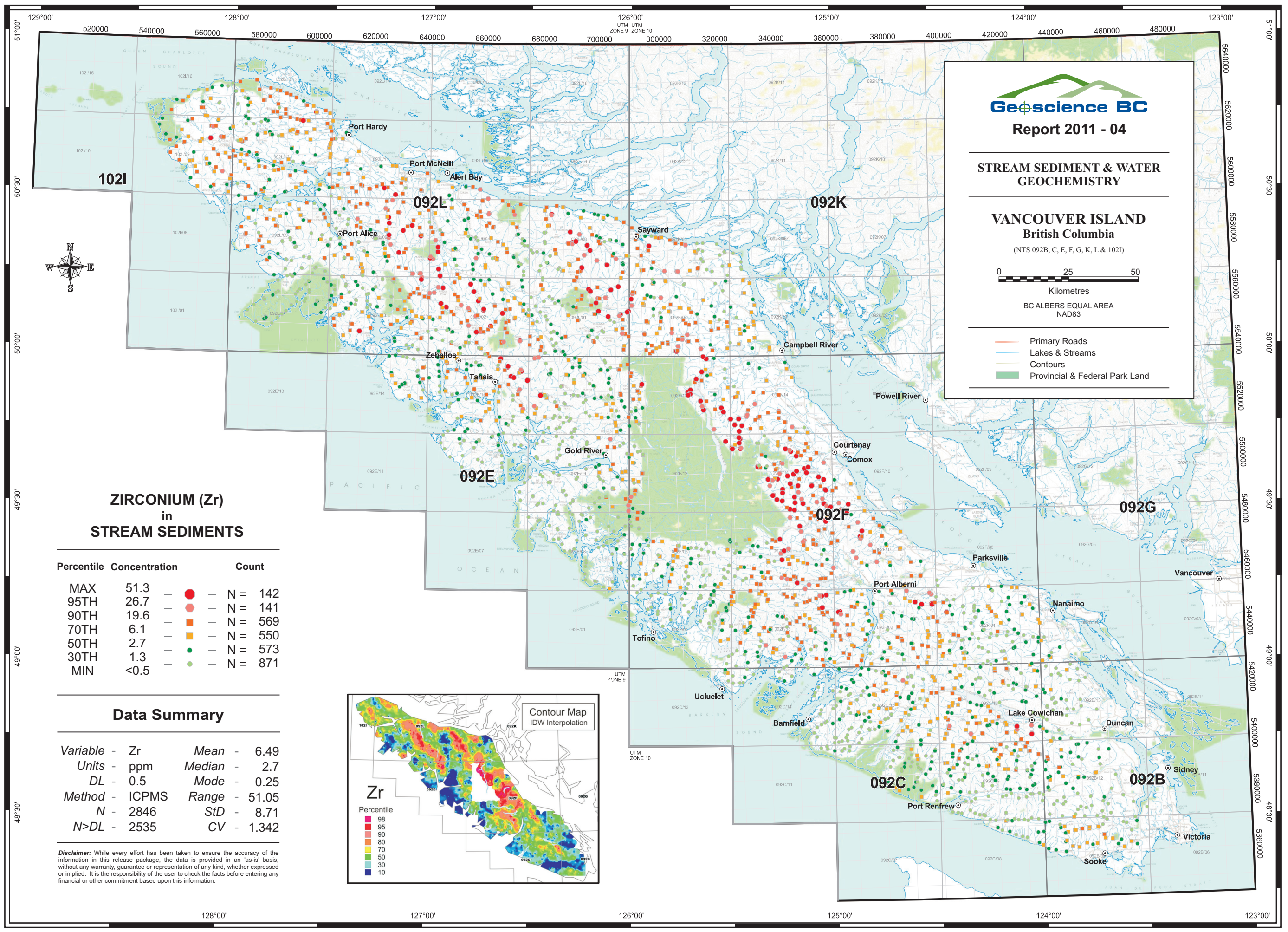
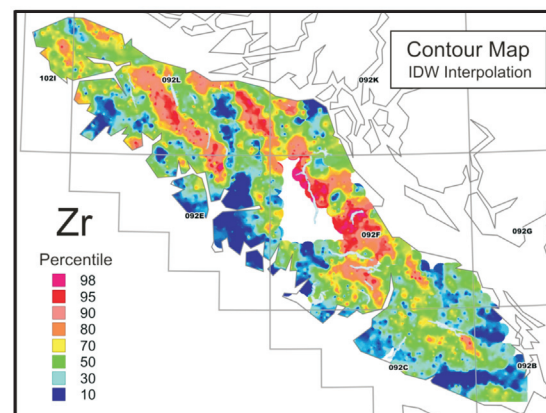
**ZIRCONIUM (Zr)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	51.3	N = 142
95TH	26.7	N = 141
90TH	19.6	N = 569
70TH	6.1	N = 550
50TH	2.7	N = 573
30TH	1.3	N = 871
MIN	<0.5	

Data Summary

Variable - Zr	Mean - 6.49
Units - ppm	Median - 2.7
DL - 0.5	Mode - 0.25
Method - ICPMS	Range - 51.05
N - 2846	StD - 8.71
N>DL - 2535	CV - 1.342

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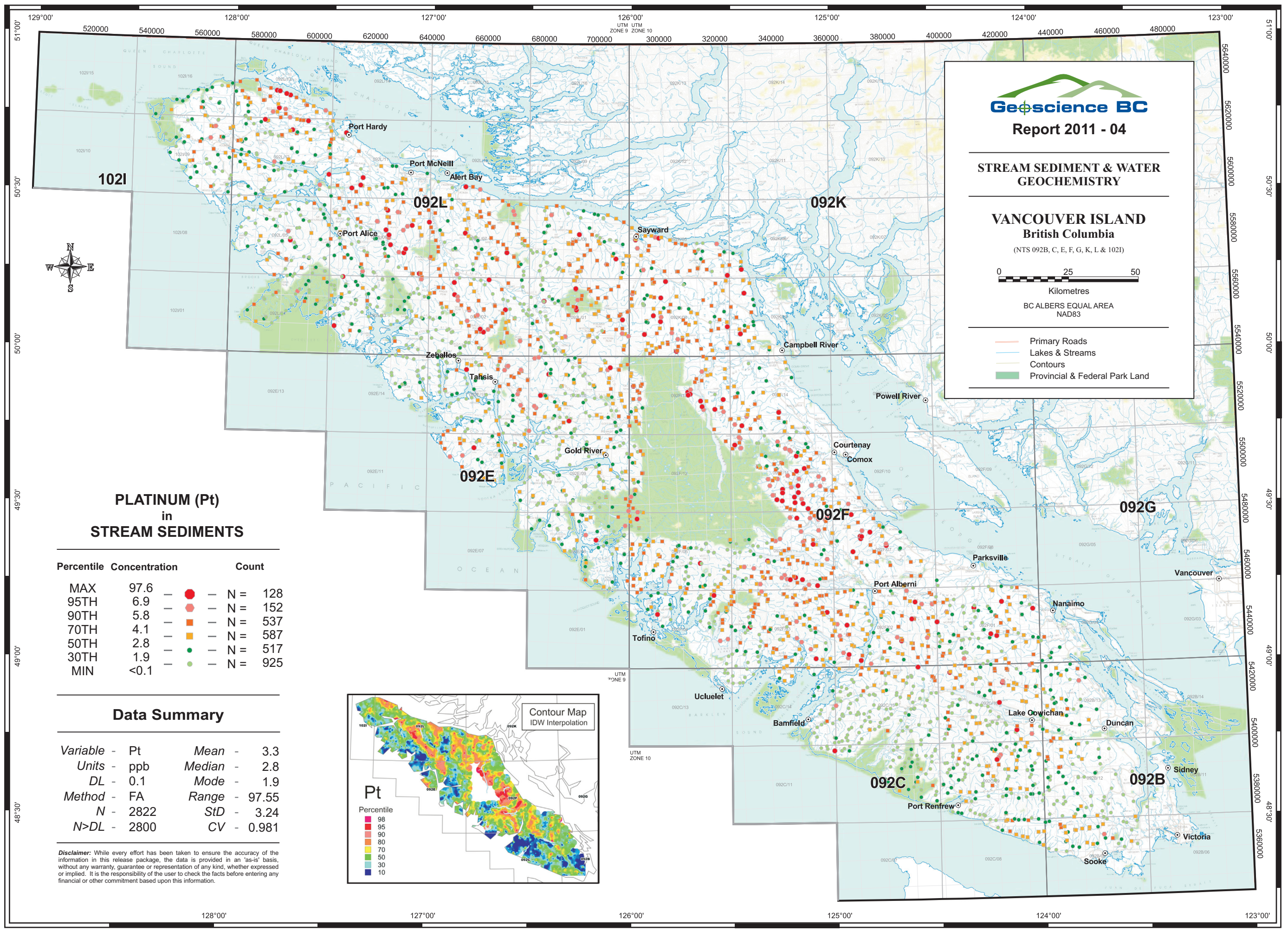
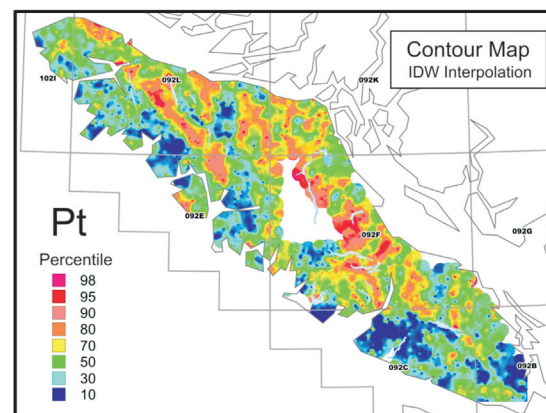
**PLATINUM (Pt)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	97.6	N = 128
95TH	6.9	N = 152
90TH	5.8	N = 537
70TH	4.1	N = 587
50TH	2.8	N = 517
30TH	1.9	N = 925
MIN	<0.1	

Data Summary

Variable - Pt	Mean - 3.3
Units - ppb	Median - 2.8
DL - 0.1	Mode - 1.9
Method - FA	Range - 97.55
N - 2822	StD - 3.24
N>DL - 2800	CV - 0.981

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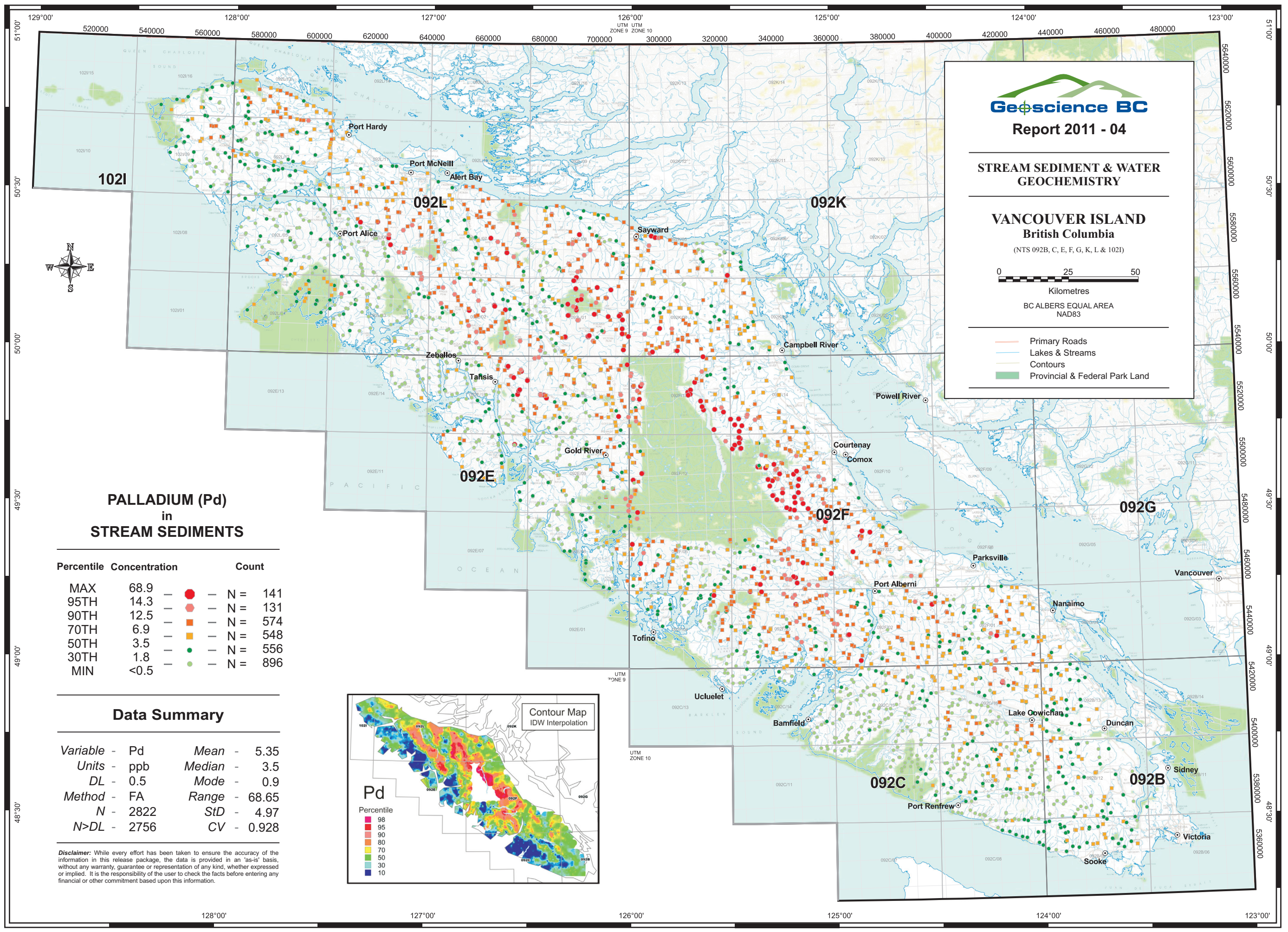
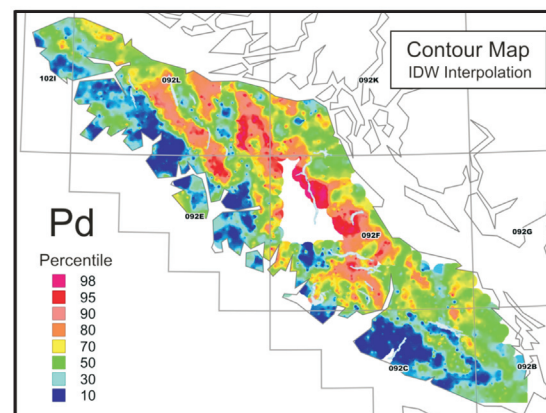
**PALLADIUM (Pd)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	68.9	N = 141
95TH	14.3	N = 131
90TH	12.5	N = 574
70TH	6.9	N = 548
50TH	3.5	N = 556
30TH	1.8	N = 896
MIN	<0.5	

Data Summary

Variable	- Pd	Mean	- 5.35
Units	- ppb	Median	- 3.5
DL	- 0.5	Mode	- 0.9
Method	- FA	Range	- 68.65
N	- 2822	StD	- 4.97
N>DL	- 2756	CV	- 0.928

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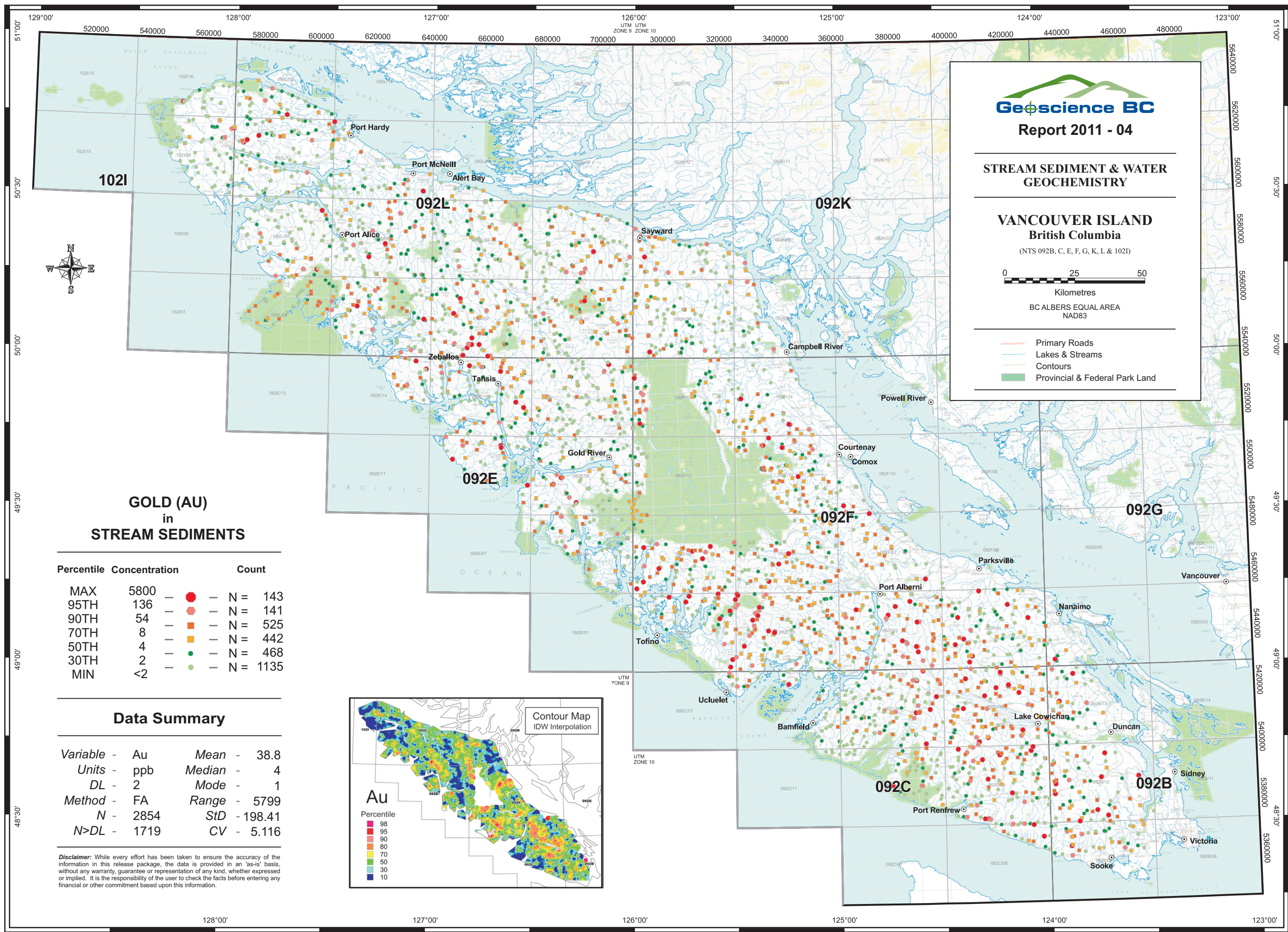
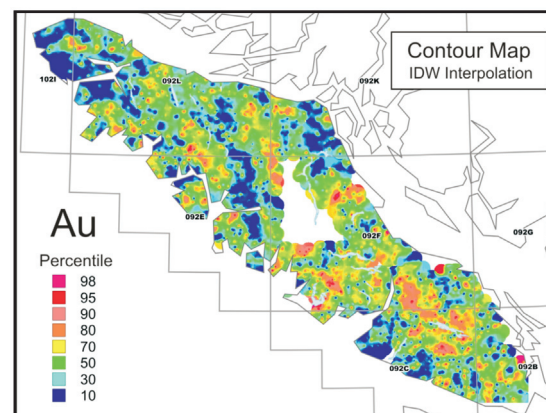
**GOLD (AU)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	5800	N = 143
95TH	136	N = 141
90TH	54	N = 525
70TH	8	N = 442
50TH	4	N = 468
30TH	2	N = 1135
MIN	<2	

Data Summary

Variable	- Au	Mean	- 38.8
Units	- ppb	Median	- 4
DL	- 2	Mode	- 1
Method	- FA	Range	- 5799
N	- 2854	StD	- 198.41
N>DL	- 1719	CV	- 5.116

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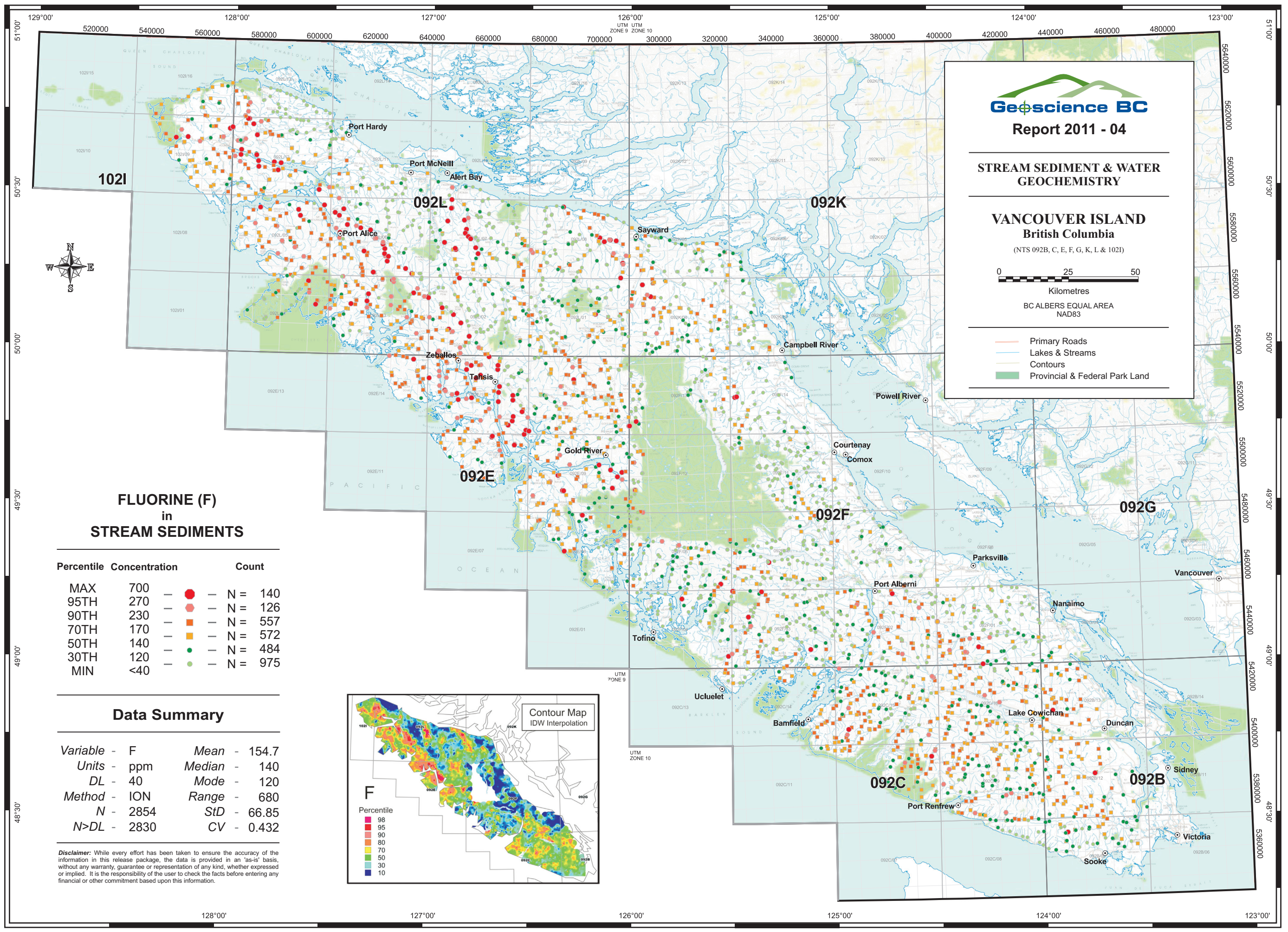
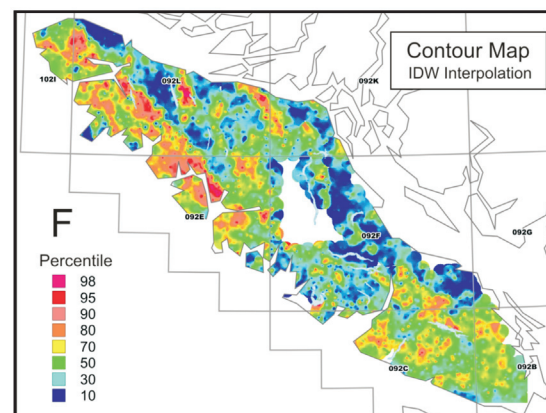
**FLUORINE (F)
in
STREAM SEDIMENTS**

Percentile	Concentration	Count
MAX	700	N = 140
95TH	270	N = 126
90TH	230	N = 557
70TH	170	N = 572
50TH	140	N = 484
30TH	120	N = 975
MIN	<40	

Data Summary

Variable - F	Mean - 154.7
Units - ppm	Median - 140
DL - 40	Mode - 120
Method - ION	Range - 680
N - 2854	StD - 66.85
N>DL - 2830	CV - 0.432

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Report 2011 - 04

STREAM SEDIMENT & WATER GEOCHEMISTRY

VANCOUVER ISLAND British Columbia

(NTS 092B, C, E, F, G, K, L & 102I)



Kilometres

BC ALBERS EQUAL AREA
NAD83

- Primary Roads
- Lakes & Streams
- Contours
- Provincial & Federal Park Land

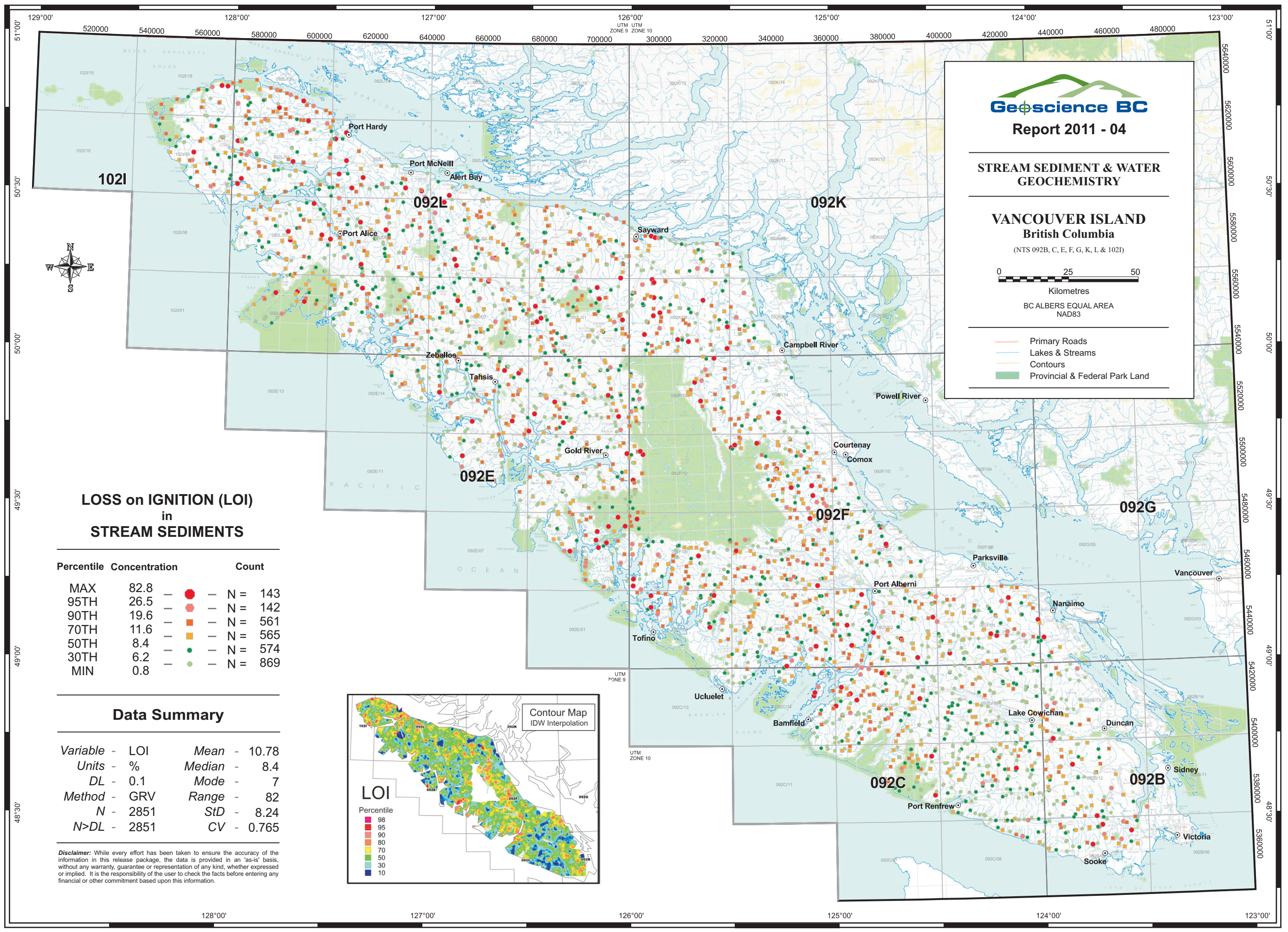
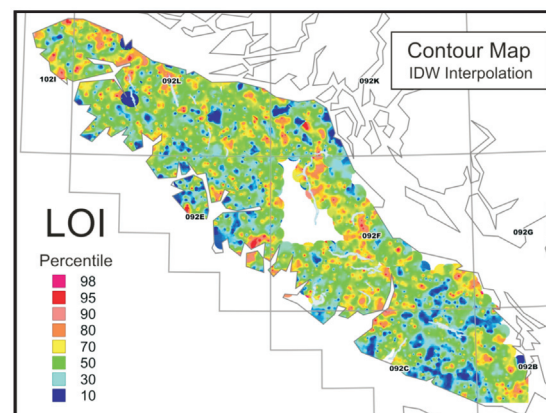
LOSS on IGNITION (LOI) in STREAM SEDIMENTS

Percentile	Concentration	Count
MAX	82.8	N = 143
95TH	26.5	N = 142
90TH	19.6	N = 561
70TH	11.6	N = 565
50TH	8.4	N = 574
30TH	6.2	N = 869
MIN	0.8	

Data Summary

Variable	LOI	Mean	10.78
Units	%	Median	8.4
DL	0.1	Mode	7
Method	GRV	Range	82
N	2851	StD	8.24
N>DL	2851	CV	0.765

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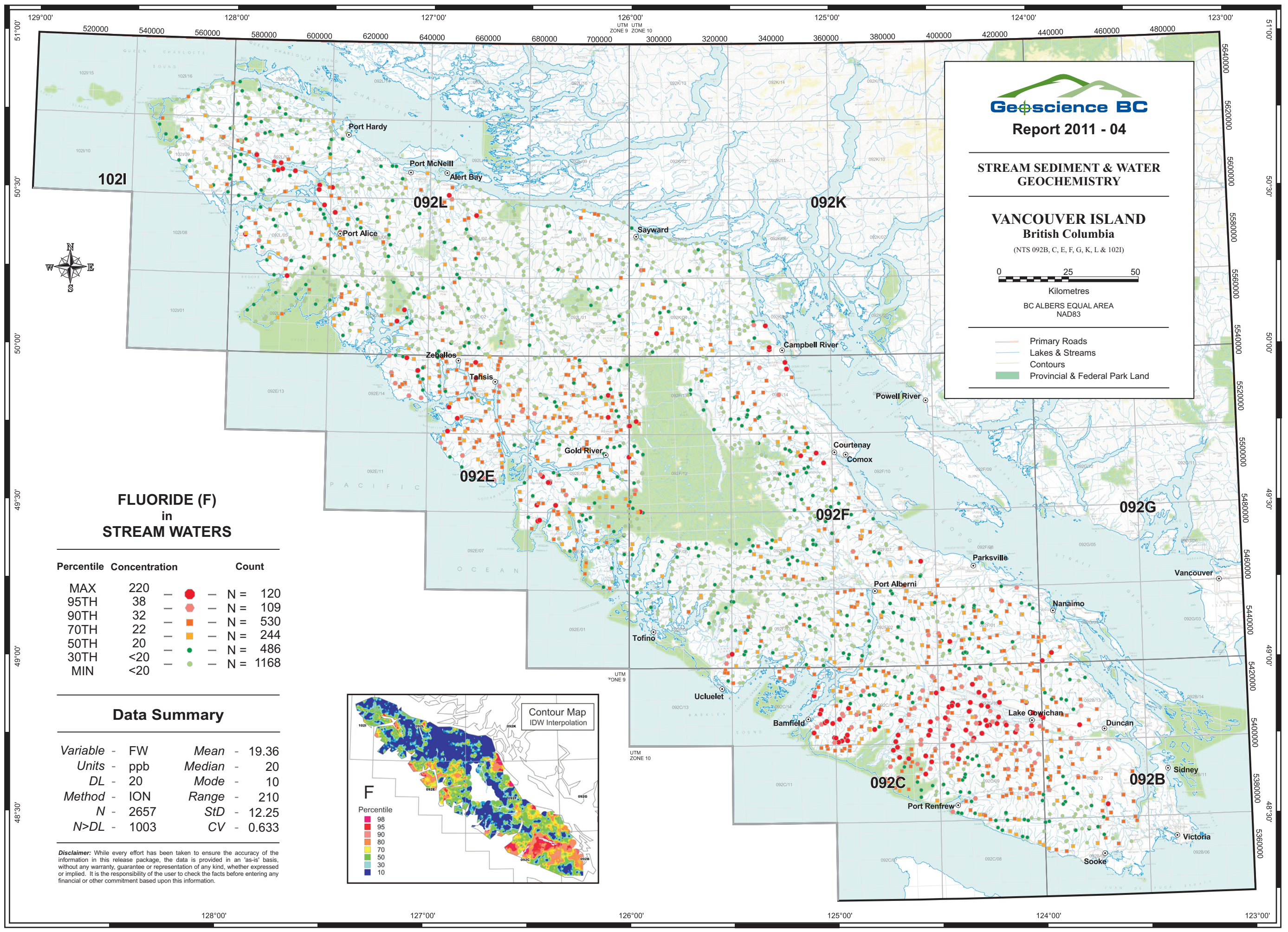
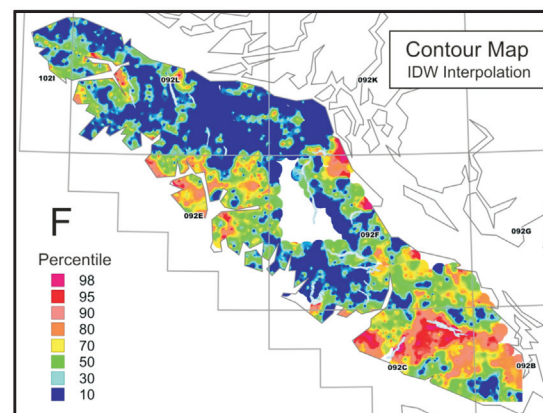
FLUORIDE (F) in STREAM WATERS

Percentile	Concentration	Count
MAX	220	N = 120
95TH	38	N = 109
90TH	32	N = 530
70TH	22	N = 244
50TH	20	N = 486
30TH	<20	N = 1168
MIN	<20	

Data Summary

Variable	- FW	Mean	- 19.36
Units	- ppb	Median	- 20
DL	- 20	Mode	- 10
Method	- ION	Range	- 210
N	- 2657	StD	- 12.25
N>DL	- 1003	CV	- 0.633

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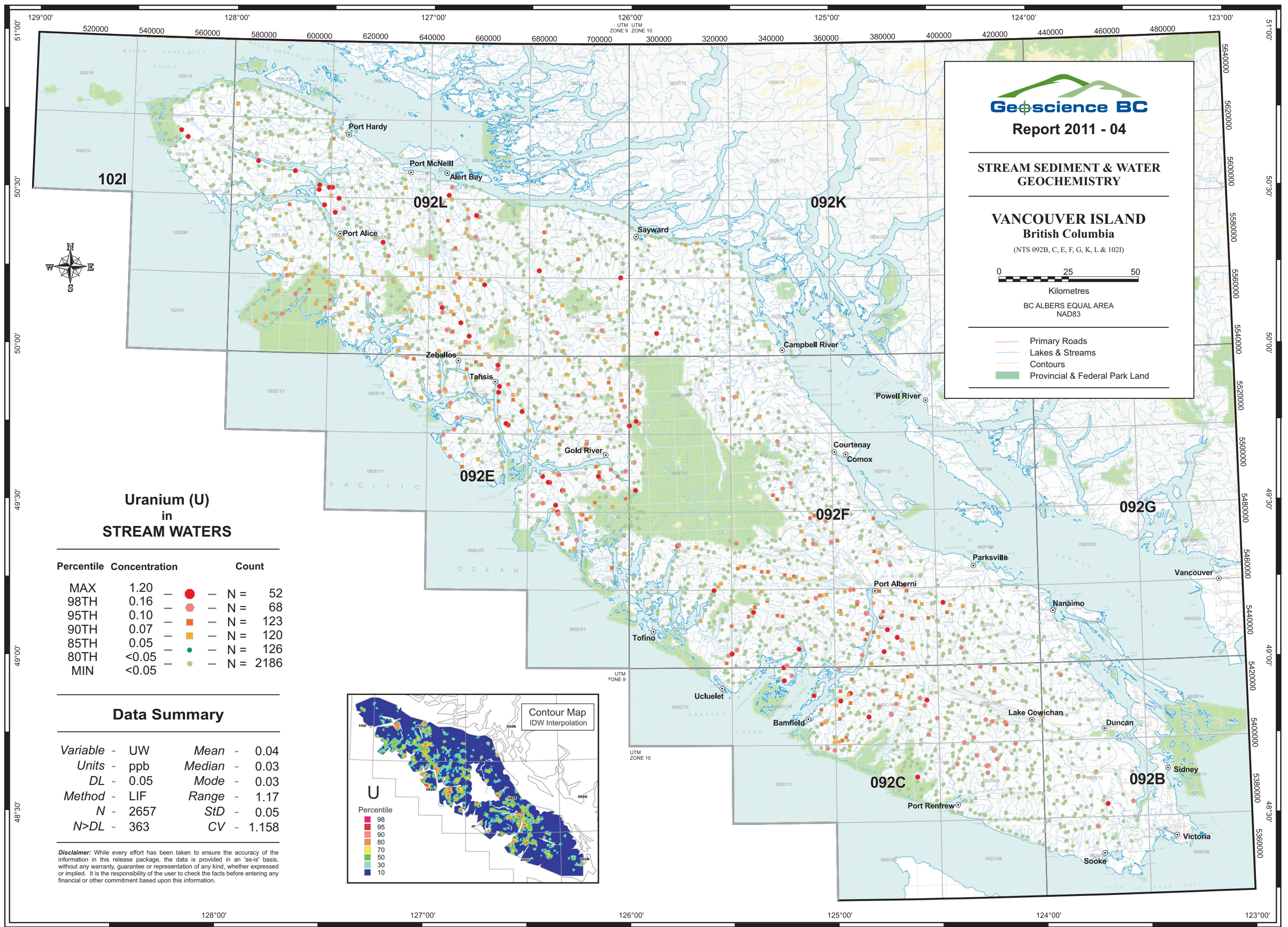
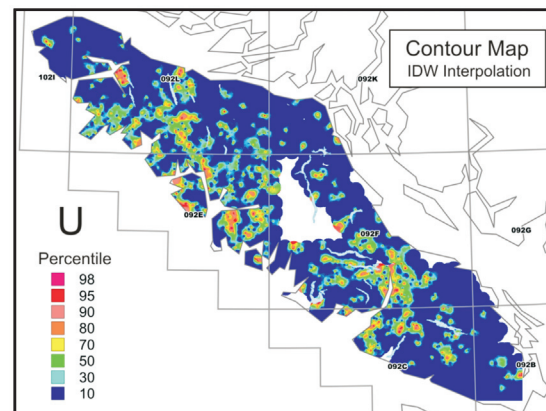
Uranium (U) in STREAM WATERS

Percentile	Concentration	Count
MAX	1.20	N = 52
98TH	0.16	N = 68
95TH	0.10	N = 123
90TH	0.07	N = 120
85TH	0.05	N = 126
80TH	<0.05	N = 2186
MIN	<0.05	

Data Summary

Variable	- UW	Mean	- 0.04
Units	- ppb	Median	- 0.03
DL	- 0.05	Mode	- 0.03
Method	- LIF	Range	- 1.17
N	- 2657	StD	- 0.05
N>DL	- 363	CV	- 1.158

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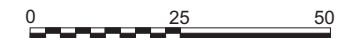


Report 2011 - 04

**STREAM SEDIMENT & WATER
GEOCHEMISTRY**

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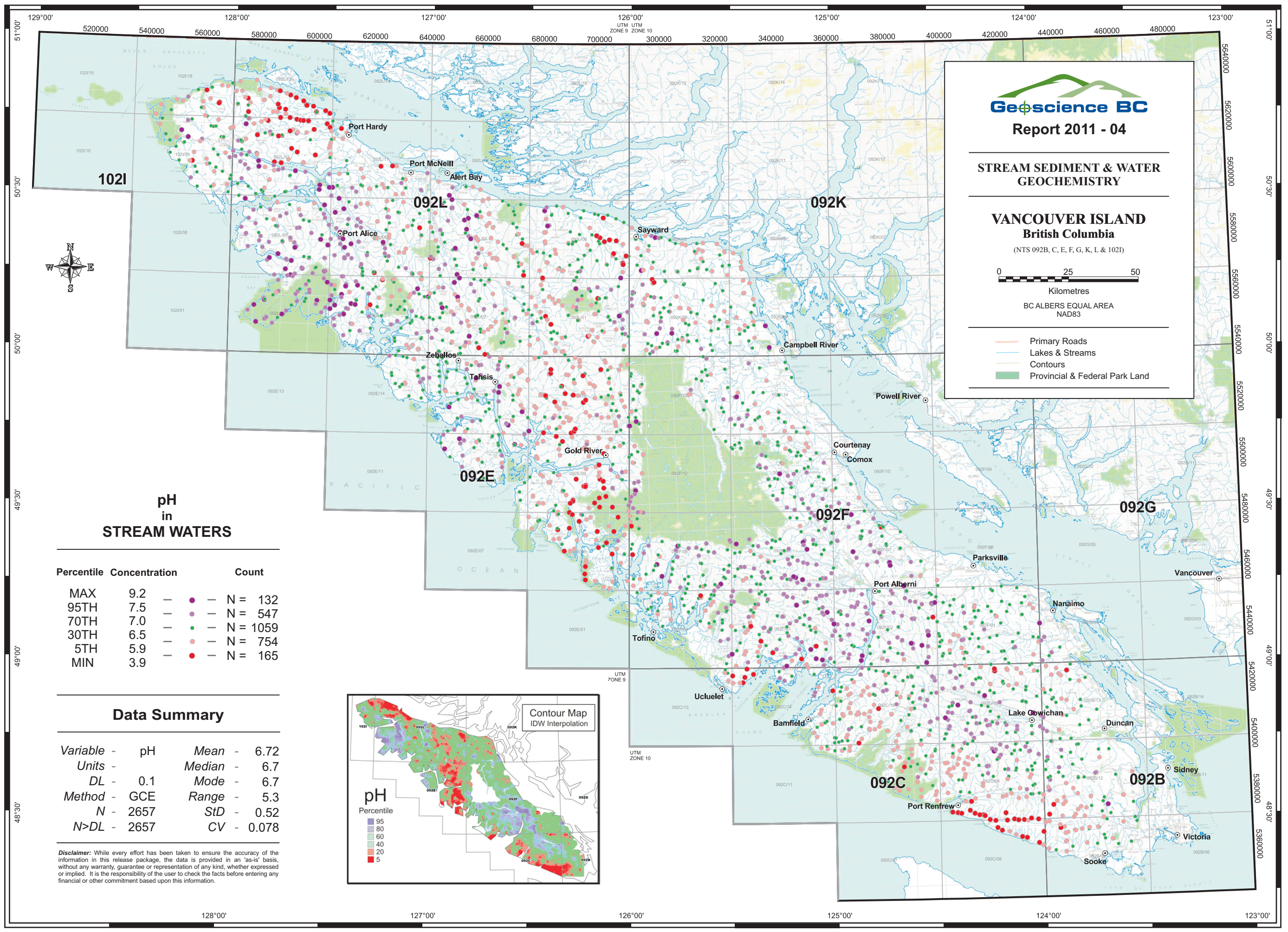
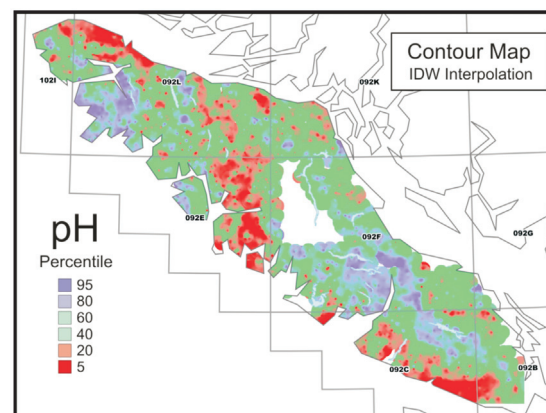
**pH
in
STREAM WATERS**

Percentile	Concentration	Count
MAX	9.2	N = 132
95TH	7.5	N = 547
70TH	7.0	N = 1059
30TH	6.5	N = 754
5TH	5.9	N = 165
MIN	3.9	

Data Summary

Variable	pH	Mean	6.72
Units		Median	6.7
DL	0.1	Mode	6.7
Method	GCE	Range	5.3
N	2657	StD	0.52
N>DL	2657	CV	0.078

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129°00' 128°00' 127°00' 126°00' 125°00' 124°00' 123°00' UTM ZONE 9 UTM ZONE 10 51°00' 50°30' 50°00' 49°30' 49°00' 48°30' 5640000 5620000 5600000 5580000 5560000 5540000 5520000 5500000 5480000 5460000 5440000 5420000 5400000 5380000 5360000