

Tolerable Daily Intake (TDI) values for plants, fish and small mammals

**Based on values for each plant species collected in the entire study area.**

| Metal           | Tolerable Intake (mg/kg of body weight) | Tolerable Intake for a 50 kg person | Component and site     |             |               | Highest [Metal] (ug/g)    | Moisture Content (%) | Amount that could be directly consumed by a 50 kg person |                             |
|-----------------|---|-------------------------------------|------------------------|-------------|---------------|---------------------------|----------------------|--|-----------------------------|
|                 |   |                                     | Species                | Part        | Sampling Site |                           |                      | Dry Weight (g)   | Wet Weight (g)              |
| Antimony (Sb)   | 0.003 (per day)                         | 150 (per day)                       | Reindeer Lichen        | Whole       | B1 / H2       | 3.5                       |                      | 43 per day   |                             |
|                 |   |                                     | Labrador Tea           | Leaves      | PONY 3        | 1.4                       |                      | 107 per day  |                             |
|                 |   |                                     | Willow                 | Leaf / twig | L1            | 0.9                       |                      | 167 per day  |                             |
|                 |   |                                     | <i>Bolete</i> Mushroom | Whole       | I2            | 0.3                       |                      | 500 per day  |                             |
| Arsenic (As)    | 0.015 (per week)                        | 750 (per week)                      | Reindeer Lichen        | Whole       | B1            | 36.9                      | 45.4                 | 20 per week  | 37 per week / 5 per day     |
|                 |   |                                     | Labrador Tea           | Leaves      | PONY3         | 12.5                      | 45                   | 60 per week  | 109 per week / 15 per day   |
|                 |   |                                     | Willow                 | Leaf / twig | TAIL          | 8.3                       |                      | 90 per week  |                             |
|                 |   |                                     | Lowbush Cranberry      | Berry       | R3            | 0.3                       |                      | 2500 per week  |                             |
|                 |   |                                     | <i>Bolete</i> Mushroom | Whole       | I2            | 3.6                       | 50                   | 208 per week   | 416 per week / 59 per day   |
|                 |   |                                     | Arctic Grayling        | Kidney      | VIC 4         | 0.8                       |                      | 938 per week   |                             |
|                 |   |                                     |                        | Muscle      | VIC 3         | 0.3                       |                      | 2500 per week  |                             |
|                 |   |                                     | Burbot - Liver         | Liver       | VIC 3         | 14.1                      | 67.4                 | 53 per week  | 151 per week / 21 per day   |
| Cadmium (Cd)    | 0.007 (per week)                        | 350 (per week)                      | Ground Squirrel        | Kidney      | MILL          | 9.8                       |                      | 77 per week  |                             |
|                 |   |                                     | Reindeer Lichen        | Whole       | CP 2          | 1.66                      |                      | 211 per week   |                             |
|                 |   |                                     | Labrador Tea           | Leaves      | DOME 7        | 1.4                       |                      | 250 per week   |                             |
|                 |   |                                     | Willow                 | Leaf / twig | L1            | 55                        | 50                   | 6 per week   | 13 per week / 1.8 per day   |
|                 |   |                                     | Blueberry              | Berry       | CP 1          | 0.79                      | 85                   | 443 per week   | 2917 per week / 416 per day |
|                 |   |                                     | <i>Bolete</i> Mushroom | Whole       | I2            | 0.48                      |                      | 729 per week   |                             |
|                 |   |                                     | Arctic Grayling        | Kidney      | VIC 4         | 1.36                      | 69.9                 | 257 per week   | 854 per week / 122 per day  |
|                 |   |                                     |                        | Muscle      | VIC 3         | 0.11                      |                      | 3182 per week  |                             |
|                 |   |                                     | Burbot                 | Liver       | VIC 3         | 0.92                      |                      | 380 per week   |                             |
|                 |   |                                     | Red Squirrel           | Kidney      | MINE          | 1.86                      | 75.3                 | 188 per week   | 763 per week / 109 per day  |
| Ground Squirrel | Kidney                                  | MILL                                | 44.8                   | 73.8        | 8 per week    | 30 per week / 4.3 per day |                      |  |                             |
| Copper (Cu)     | 0.5 (per week)                          | 25000 (per week)                    | Reindeer Lichen        | Whole       | C1            | 14.6                      |                      | 1712 per day   |                             |
|                 |   |                                     | Labrador Tea           | Leaves      | PONY3         | 5.1                       |                      | 4902 per day   |                             |
|                 |   |                                     | Willow                 | Leaf / twig | TAIL          | 11.2                      |                      | 2232 per day   |                             |
|                 |   |                                     | Lowbush Cranberry      | Cranberry   | CP 3          | 5.7                       |                      | 4386 per day   |                             |
|                 |   |                                     | <i>Bolete</i> Mushroom | Whole       | I2            | 11.4                      |                      | 2193 per day   |                             |
|                 |   |                                     | Arctic Grayling        | Liver       | VIC 4         | 18                        |                      | 1389 per day   |                             |
|                 |   |                                     |                        | Muscle      | VIC 3         | 2.8                       |                      | 8929 per day   |                             |
|                 |   |                                     | Burbot                 | Liver       | VIC 3         | 21.3                      |                      | 1174 per day   |                             |
| Red Squirrel    | Kidney                                  | MINE                                | 17.2                   |             | 1453 per day  |                           |                      |  |                             |
| Ground Squirrel | Liver                                   | MILL                                | 18.6                   |             | 1344 per day  |                           |                      |  |                             |

Note that moisture content and dry weight tolerable daily intake (TDI) values are shown only for those samples found to be the most restrictive in terms of minimum amounts (dry weight) which can be consumed.

## Based on values for each plant species collected in the entire study area.

| Metal           | Tolerable Intake (mg/kg of body weight / week) | Tolerable Intake for a 50 kg person | Component and site     |             |               | Highest [Metal] ( $\mu\text{g/g}$ ) | Moisture Content (%) | Amount that could be directly consumed by a 50 kg person |                                |
|-----------------|--|-------------------------------------|------------------------|-------------|---------------|-------------------------------------|----------------------|--|--------------------------------|
|                 |  |                                     | Species                | Part        | Sampling Site |                                     |                      | Dry Weight (g)   | Wet Weight (g)                 |
| Iron (Fe)       | 0.8 (per day)                                  | 40000 (per day)                     | Reindeer Lichen        | Whole       | F1            | 1880                                | 64.4                 | 21 per day   | 52 per day                     |
|                 |  |                                     | Labrador Tea           | Leaves      | PONY3         | 509                                 | 45.3                 | 79 per day   | 144 per day                    |
|                 |  |                                     | Willow                 | Leaf / twig | R#            | 251                                 |                      | 159 per day  |                                |
|                 |  |                                     | Lowbush Cranberry      | Berry       | C1            | 66                                  | 84.4                 | 606 per day  | 3,883 per day                  |
|                 |  |                                     | <i>Bolete</i> Mushroom | Whole       | I2            | 70                                  |                      | 571 per day  |                                |
|                 |  |                                     | Arctic Grayling        | Liver       | VIC 4         | 1020                                | 70                   | 39 per day   | 130 per day                    |
|                 |  |                                     |                        | Muscle      | VIC 3         | 130                                 | 81.8                 | 308 per day  | 1,388 per day                  |
|                 |  |                                     | Burbot                 | Liver       | VIC 3         | 176                                 | 60.5                 | 227 per day  | 575 per day                    |
|                 |  |                                     | Red Squirrel           | Kidney      | MINE          | 870                                 |                      | 46 per day   |                                |
| Ground Squirrel | Kidney   | MILL                                | 124                    | 74          | 323 per day   | 1,231 per day                       |                      |  |                                |
| Lead (Pb)       | 0.025 (per week)                               | 1250 (per week)                     | Reindeer Lichen        | Whole       | B1            | 39.4                                |                      | 32 per week  |                                |
|                 |  |                                     | Labrador Tea           | Leaves      | PONY2         | 5.3                                 |                      | 236 per week   |                                |
|                 |  |                                     | Willow                 | Leaf / twig | TAIL          | 6.3                                 |                      | 198 per week   |                                |
|                 |  |                                     | <i>Bolete</i> Mushroom | Whole       | I2            | 2.3                                 |                      | 543 per week   |                                |
|                 |  |                                     | Ground Squirrel        | Kidney      | MILL          | 3.5                                 |                      | 357 per week   |                                |
| Mercury (Hg)    | 0.005 (per day)                                | 250 (per week)                      | Reindeer Lichen        | Whole       | K5            | 0.064                               |                      | 3906 per week  |                                |
|                 |  |                                     | <i>Bolete</i> Mushroom | Whole       | I2            | 0.037                               |                      | 6757 per week  |                                |
|                 |  |                                     | Arctic Grayling        | Liver       | VIC 3         | 0.344                               |                      | 727 per week   |                                |
|                 |  |                                     |                        | Muscle      | VIC 3         | 0.155                               | 78                   | 1613 per week  | 7,331 per week / 1,047 per day |
|                 |  |                                     | Burbot                 | Muscle      | VIC 3         | 0.172                               |                      | 1453 per week  |                                |
|                 |  |                                     | Red Squirrel           | Kidney      | MINE          | 0.041                               |                      | 6096 per week  |                                |
| Ground Squirrel | Kidney   | MILL                                | 0.678                  |             | 369 per week  |                                     |                      |  |                                |
| Silver (Ag)     | 0.005 (per day)                                | 250 (per day)                       | Reindeer Lichen        | Whole       | G1            | 3.1                                 |                      | 81 per day   |                                |
|                 |  |                                     | Labrador Tea           | Leaves      | PONY3         | 0.15                                |                      | 1667 per day   |                                |
|                 |  |                                     | Willow                 | Leaf / twig | PONY2         | 0.02                                |                      | 12500 per day  |                                |
|                 |  |                                     | Lowbush Cranberry      | Berry       | H1            | 0.02                                |                      | 12500 per day  |                                |
|                 |  |                                     | <i>Bolete</i> Mushroom | Whole       | I2            | 0.85                                | 50                   | 294 per day  | 588 per day                    |
|                 |  |                                     | Arctic Grayling        | Kidney      | VIC 3         | 0.14                                |                      | 1786 per day   |                                |
|                 |  |                                     |                        | Muscle      | VIC 3         | 0.01                                |                      | 25000 per day  |                                |
|                 |  |                                     | Burbot                 | Liver       | VIC 3         | 0.08                                |                      | 2135 per day   |                                |
| Ground Squirrel | Liver  | MILL                                | 0.05                   |             | 5000 per day  |                                     |                      |  |                                |
| Zinc (Zn)       | 1 (per day)                                    | 50000 (per day)                     | Reindeer Lichen        | Whole       | CP 8          | 105                                 |                      | 476 per day  |                                |
|                 |  |                                     | Labrador Tea           | Leaves      | DOME 7        | 202                                 |                      | 248 per day  |                                |
|                 |  |                                     | Willow                 | Leaf / twig | L1            | 1480                                | 50                   | 34 per day   | 68 per day                     |
|                 |  |                                     | Blueberry              | Berry       | A5            | 23.2                                |                      | 2155 per day   |                                |
|                 |  |                                     | <i>Bolete</i> Mushroom | Whole       | I2            | 103                                 |                      | 485 per day  |                                |
|                 |  |                                     | Arctic Grayling        | Kidney      | VIC 4         | 85.4                                |                      | 585 per day  |                                |
|                 |  |                                     |                        | Muscle      | VIC 3         | 30.6                                |                      | 1634 per day   |                                |
|                 |  |                                     | Burbot                 | Liver       | VIC 3         | 59.3                                |                      | 843 per day  |                                |
|                 |  |                                     | Red Squirrel           | Kidney      | MINE          | 89.6                                | 75.3                 | 558 per day  | 2,260 per day                  |
| Ground Squirrel | Liver  | MILL                                | 93.5                   |             | 535 per day   |                                     |                      |  |                                |

Note that moisture content and dry weight tolerable daily intake (TDI) values are shown only for those samples found to be the most restrictive in terms of minimum amounts (dry weight) which can be consumed.

Tolerable Daily Intake (TDI) values for plants, fish and small mammals

**Based on average values for each plant species collected with 200 m of the mill site.**

| Metal         | Tolerable Intake (mg/kg of body weight) | Tolerable Intake for a 50 kg person | Component and site |             |               | Average [Metal] ( $\mu\text{g/g}$ ) | Moisture Content (%) | Amount that could be directly consumed by a 50 kg person |                                 |
|---------------|---|-------------------------------------|--------------------|-------------|---------------|-------------------------------------|----------------------|--|---------------------------------|
|               |   |                                     | Species            | Part        | Sampling Site |                                     |                      | Dry Weight (g)   | Wet Weight (g)                  |
| Antimony (Sb) | 0.003 (per day)                         | 150 (per day)                       | Reindeer Lichen    | Whole       | Mill > 200 m  | 1.218                               | 65                   | 123 per day  | 351 per day                     |
|               |   |                                     | Labrador Tea       | Leaves      | Mill > 200 m  | 0.1                                 | 45                   | 1500 per day   | 2727 per day                    |
|               |   |                                     | Willow             | Leaf / twig | Mill > 200 m  | 0.16                                | 50                   | 938 per day  | 1875 per day                    |
|               |   |                                     | All Berries        | Berry       | Mill > 200 m  | 0.05                                | 85                   | 3000 per day   | 20000 per day                   |
| Arsenic (As)  | 0.015 (per week)                        | 750 (per week)                      | Reindeer Lichen    | Whole       | Mill > 200 m  | 10.78                               | 65                   | 70 per week  | 198 per week / 28 per day       |
|               |   |                                     | Labrador Tea       | Leaves      | Mill > 200 m  | 0.54                                | 45                   | 1389 per week  | 2525 per week / 360 per day     |
|               |   |                                     | Willow             | Leaf / twig | Mill > 200 m  | 1.08                                | 50                   | 694 per week   | 1388 per week / 198 per day     |
|               |   |                                     | All Berries        | Berry       | Mill > 200 m  | 0.1                                 | 85                   | 7500 per week  | 50000 per week / 7142 per day   |
| Cadmium (Cd)  | 0.007 (per week)                        | 350 (per week)                      | Reindeer Lichen    | Whole       | Mill > 200 m  | 0.6324                              | 65                   | 533 per week   | 1581 per week / 225 per day     |
|               |   |                                     | Labrador Tea       | Leaves      | Mill > 200 m  | 0.055                               | 45                   | 6364 per week  | 11570 per week / 1652 per day   |
|               |   |                                     | Willow             | Leaf / twig | Mill > 200 m  | 7.54                                | 50                   | 46 per week  | 92 per week / 13 per day        |
|               |   |                                     | All Berries        | Berry       | Mill > 200 m  | 0.07                                | 85                   | 5000 per week  | 33333 per week / 4761 per day   |
| Copper (Cu)   | 0.5 (per week)                          | 25000 (per week)                    | Reindeer Lichen    | Whole       | Mill > 200 m  | 3.08                                | 65                   | 8117 per week  | 23191 per week / 3313 per day   |
|               |   |                                     | Labrador Tea       | Leaves      | Mill > 200 m  | 3.7                                 | 45                   | 6757 per week  | 12285 per week / 1755 per day   |
|               |   |                                     | Willow             | Leaf / twig | Mill > 200 m  | 3.95                                | 50                   | 6329 per week  | 12658 per week / 1808 per day   |
|               |   |                                     | All Berries        | Berry       | Mill > 200 m  | 3.69                                | 85                   | 6775 per week  | 45167 per week / 6452 per day   |
| Iron (Fe)     | 0.8 (per day)                           | 40000 (per day)                     | Reindeer Lichen    | Whole       | Mill > 200 m  | 538.5                               | 65                   | 74 per day   | 212 per day                     |
|               |   |                                     | Labrador Tea       | Leaves      | Mill > 200 m  | 57                                  | 45                   | 702 per day  | 1275 per day                    |
|               |   |                                     | Willow             | Leaf / twig | Mill > 200 m  | 110                                 | 50                   | 364 per day  | 727 per day                     |
|               |   |                                     | All Berries        | Berry       | Mill > 200 m  | 17.58                               | 85                   | 2275 per day   | 15168 per day                   |
| Lead (Pb)     | 0.025 (per week)                        | 1250 (per week)                     | Reindeer Lichen    | Whole       | Mill > 200 m  | 9.24                                | 65                   | 135 per week   | 386 per week / 55 per day       |
|               |   |                                     | Labrador Tea       | Leaves      | Mill > 200 m  | 0.34                                | 45                   | 3676 per week  | 6684 per week / 954 per day     |
|               |   |                                     | Willow             | Leaf / twig | Mill > 200 m  | 0.68                                | 50                   | 1838 per week  | 3676 per week / 525 per day     |
|               |   |                                     | All Berries        | Berry       | Mill > 200 m  | 0.05                                | 85                   | 25000 per week   | 166666 per week / 23809 per day |
| Mercury (Hg)  | 0.005 (per day)                         | 250 (per week)                      | Reindeer Lichen    | Whole       | Mill > 200 m  | 0.02                                | 65                   | 12500 per week   | 35714 per week / 5024 per day   |
|               |   |                                     | Labrador Tea       | Leaves      | Mill > 200 m  | 0.005                               | 45                   | 50000 per week   | 90909 per week / 12987 per day  |
|               |   |                                     | Willow             | Leaf / twig | Mill > 200 m  | 0.005                               | 50                   | 50000 per week   | 100000 per week / 14285 per day |
|               |   |                                     | All Berries        | Berry       | Mill > 200 m  | 0.005                               | 85                   | 50000 per week   | 333333 per week / 47619 per day |
| Silver (Ag)   | 0.005 (per day)                         | 250 (per day)                       | Reindeer Lichen    | Whole       | Mill > 200 m  | 1.1                                 | 65                   | 227 per day  | 649 per day                     |
|               |   |                                     | Labrador Tea       | Leaves      | Mill > 200 m  | 0.009                               | 45                   | 27778 per day  | 50505 per day                   |
|               |   |                                     | Willow             | Leaf / twig | Mill > 200 m  | 0.024                               | 50                   | 10417 per day  | 20833 per day                   |
|               |   |                                     | All Berries        | Berry       | Mill > 200 m  | 0.01                                | 85                   | 25000 per day  | 166666 per day                  |
| Zinc (Zn)     | 1 (per day)                             | 50000 (per day)                     | Reindeer Lichen    | Whole       | Mill > 200 m  | 44.02                               | 65                   | 1136 per day   | 3245 per day                    |
|               |   |                                     | Labrador Tea       | Leaves      | Mill > 200 m  | 29.7                                | 45                   | 1684 per day   | 3060 per day                    |
|               |   |                                     | Willow             | Leaf / twig | Mill > 200 m  | 351                                 | 50                   | 142 per day  | 284 per day                     |
|               |   |                                     | All Berries        | Berry       | Mill > 200 m  | 9.73                                | 85                   | 5139 per day   | 34258 per day                   |

Note that highlighted values were those found to be most restrictive in terms of the maximum amounts which can be directly consumed.

Note that the moisture content values shown were approximated by looking at all samples for a particular species.

Tolerable Daily Intake (TDI) values for plants, fish and mammals

**Based on values for ungulates collected near the minesite in 2005.**

| Metal        | Tolerable Intake (mg/kg of body weight) | Tolerable Intake for a 50 kg person | Component and site |        | Highest [Metal] ( $\mu\text{g/g}$ ) | Moisture Content (%) | Amount that could be directly consumed by a 50 kg person |                                      |
|--------------|---|-------------------------------------|--------------------|--------|-------------------------------------|----------------------|--|--------------------------------------|
|              |   |                                     | Species            | Part   |                                     |                      | Dry Weight (g)   | Wet Weight (g)                       |
| Arsenic (As) | 0.015 (per week)                        | 750 (per week)                      | Caribou            | Liver  | 0.009                               | 69.3                 | 83,333 per week  | 271,144 per week / 38,777 per day    |
|              |   |                                     | Caribou            | Kidney | 0.012                               | 75.7                 | 62,500 per week  | 257,202 per week / 36,743 per day    |
|              |   |                                     | Caribou            | Muscle | 0.003                               | 74.8                 | 250,000 per week   | 992,063 per week / 141,723 per day   |
|              |   |                                     | Moose              | Liver  | 0.012                               | 70.2                 | 62,500 per week  | 209,731 per week / 29,961 per day    |
|              |   |                                     | Moose              | Kidney | 0.008                               | 79.5                 | 93,750 per week  | 457,317 per week / 65,331 per day    |
|              |   |                                     | Moose              | Muscle | 0.01                                | 76.5                 | 75,000 per week  | 319,149 per week / 45,593 per day    |
| Cadmium (Cd) | 0.007 (per week)                        | 350 (per week)                      | Caribou            | Liver  | 7.37                                | 78.4                 | 48 per week  | 219 per week / 31 per day            |
|              |   |                                     | Caribou            | Kidney | 7.91                                | 75.7                 | 44 per week  | 182 per week / 26 per day            |
|              |   |                                     | Caribou            | Muscle | 0.0361                              | 72.8                 | 9,695 per week   | 35,644 per week / 5,092 per day      |
|              |   |                                     | Moose              | Liver  | 5.87                                | 70.2                 | 60 per week  | 200 per week / 29 per day            |
|              |   |                                     | Moose              | Kidney | 23.9                                | 79.5                 | 15 per week  | 71 per week / 10 per day             |
|              |   |                                     | Moose              | Muscle | 0.0075                              | 79.1                 | 46,666 per week  | 223,285 per week / 31,897 per day    |
| Copper (Cu)  | 0.5 (per week)                          | 25000 (per week)                    | Caribou            | Liver  | 58.1                                | 69                   | 430 per week   | 1,388 per week / 198 per day         |
|              |   |                                     | Caribou            | Kidney | 6.16                                | 75.7                 | 4,058 per week   | 16,701 per week / 2,385 per day      |
|              |   |                                     | Caribou            | Muscle | 3.7                                 | 72.8                 | 6,756 per week   | 24,841 per week / 3,548 per day      |
|              |   |                                     | Moose              | Liver  | 167                                 | 69.8                 | 150 per week   | 496 per week / 71 per day            |
|              |   |                                     | Moose              | Kidney | 3.35                                | 79.5                 | 7,462 per week   | 36,403 per week / 5,200 per day      |
|              |   |                                     | Moose              | Muscle | 1.42                                | 76.5                 | 17,605 per week  | 74,918 per week / 10,702 per day     |
| Iron (Fe)    | 0.8 (per day)                           | 40000 (per day)                     | Caribou            | Liver  | 90.1                                | 66.6                 | 444 per day  | 1,329 per day                        |
|              |   |                                     | Caribou            | Kidney | 53.8                                | 75.7                 | 743 per day  | 3,059 per day                        |
|              |   |                                     | Caribou            | Muscle | 41.8                                | 72.8                 | 957 per day  | 3,518 per day                        |
|              |   |                                     | Moose              | Liver  | 86.5                                | 70.2                 | 462 per day  | 1,551 per day                        |
|              |   |                                     | Moose              | Kidney | 67.5                                | 79.5                 | 593 per day  | 2,890 per day                        |
|              |   |                                     | Moose              | Muscle | 34                                  | 76.5                 | 1,176 per day  | 5,006 per day                        |
| Lead (Pb)    | 0.025 (per week)                        | 1250 (per week)                     | Caribou            | Liver  | 0.051                               | 78.4                 | 24,509 per week  | 113,471 per week / 16,210 per day    |
|              |   |                                     | Caribou            | Kidney | 0.068                               | 75.7                 | 18,382 per week  | 75,647 per week / 10,806 per day     |
|              |   |                                     | Caribou            | Muscle | 0.002                               | 72.8                 | 625,000 per week   | 2,297,794 per week / 328,256 per day |
|              |   |                                     | Moose              | Liver  | 0.006                               | 70.2                 | 208,333 per week   | 699,105 per week / 99,872 per day    |
|              |   |                                     | Moose              | Kidney | 0.006                               | 79.5                 | 208,333 per week   | 1,016,260 per week / 145,180 per day |
|              |   |                                     | Moose              | Muscle | 0.004                               | 79.1                 | 312,500 per week   | 1,495,215 per week / 213,602 per day |

Note that highlighted values were those found to be most restrictive in terms of the maximum amounts which can be directly consumed.

Tolerable Daily Intake (TDI) values for plants, fish and mammals

| Metal        | Tolerable Intake (mg/kg of body weight) | Tolerable Intake for a 50 kg person | Component and site |        | Highest [Metal] ( $\mu\text{g/g}$ ) | Moisture Content (%) | Amount that could be directly consumed by a 50 kg person |   |
|--------------|---|-------------------------------------|--------------------|--------|-------------------------------------|----------------------|--|---|
|              |   |                                     | Species            | Part   |                                     |                      | Dry Weight (g)   | Wet Weight (g)                          |
| Mercury (Hg) | 0.005 (per week)                        | 250 (per week)                      | Caribou            | Liver  | 0.171                               | 78.4                 | 1,461 per week   | 6,768 per week / 966 per day            |
|              |   |                                     | Caribou            | Kidney | 0.236                               | 75.7                 | 1,059 per week   | 4,359 per week / 623 per day            |
|              |   |                                     | Caribou            | Muscle | 0.005                               | 74.8                 | 50,000 per week  | 198,412 per week / 28,345 per day       |
|              |   |                                     | Moose              | Liver  | 0.007                               | 70.2                 | 35,714 per week  | 119,846 per week / 17,120 per day       |
|              |   |                                     | Moose              | Kidney | 0.028                               | 79.5                 | 8,928 per week   | 43,554 per week / 6,222 per day         |
|              |   |                                     | Moose              | Muscle | 0.0001                              | 76.5                 | 2,500,000 per week                                       | 10,638,298 per week / 1,519,756 per day |
| Silver (Ag)  | 0.005 (per day)                         | 250 (per day)                       | Caribou            | Liver  | 0.503                               | 69.3                 | 497 per day  | 1,618 per day                           |
|              |   |                                     | Caribou            | Kidney | 0.00005                             | 75.7                 | 5,000,000 per day  | 20,576,132 per day                      |
|              |   |                                     | Caribou            | Muscle | 0.00005                             | 72.8                 | 5,000,000 per day  | 18,382,352 per day                      |
|              |   |                                     | Moose              | Liver  | 0.0862                              | 70.2                 | 2,900 per day  | 9,732 per day                           |
|              |   |                                     | Moose              | Kidney | 0.00005                             | 79.5                 | 5,000,000 per day  | 24,390,244 per day                      |
|              |   |                                     | Moose              | Muscle | 0.00005                             | 76.5                 | 5,000,000 per day  | 21,276,595 per day                      |
| Zinc (Zn)    | 1 (per day)                             | 50000 (per day)                     | Caribou            | Liver  | 32.7                                | 66.6                 | 1,529 per day  | 4,577 per day                           |
|              |   |                                     | Caribou            | Kidney | 30.3                                | 75.7                 | 1,650 per day  | 6,790 per day                           |
|              |   |                                     | Caribou            | Muscle | 28.2                                | 74.8                 | 1,773 per day  | 7,035 per day                           |
|              |   |                                     | Moose              | Liver  | 20.7                                | 70.2                 | 2,415 per day  | 8,105 per day                           |
|              |   |                                     | Moose              | Kidney | 26.5                                | 79.5                 | 1,886 per day  | 9,203 per day                           |
|              |   |                                     | Moose              | Muscle | 50.7                                | 76.5                 | 986 per day  | 4,196 per day                           |

Note that highlighted values were those found to be most restrictive in terms of the maximum amounts which can be directly consumed.

Tolerable Daily Intake (TDI) values for plants, fish and mammals

**Based on values for ungulates collected in sub-zone 5-26 from 1996-2000.**

| Metal        | Tolerable Intake (mg/kg of body weight) | Tolerable Intake for a 50 kg person | Component and site |        | Highest [Metal] ( $\mu\text{g/g}$ ) | Moisture Content (%) | Amount that could be directly consumed by a 50 kg person |                                   |
|--------------|---|-------------------------------------|--------------------|--------|-------------------------------------|----------------------|--|-----------------------------------|
|              |   |                                     | Species            | Part   |                                     |                      | Dry Weight (g)   | Wet Weight (g)                    |
| Arsenic (As) | 0.015 (per week)                        | 750 (per week)                      | Caribou            | Kidney | 0.07                                | 80.5                 | 10,714 per week  | 54,945 per week / 7,849 per day   |
|              |   |                                     | Moose              | Kidney | 0.18                                | 77.1                 | 4,167 per week   | 18,195 per week / 2,599 per day   |
|              |   |                                     | Moose              | Liver  | 0.09                                | 70.7                 | 8,333 per week   | 28,441 per week / 4,063 per day   |
|              |   |                                     | Moose              | Muscle | 0.08                                | 73.2                 | 9,375 per week   | 34,981 per week / 4,997 per day   |
| Cadmium (Cd) | 0.007 (per week)                        | 350 (per week)                      | Caribou            | Kidney | 41.9                                | 80.5                 | 8.4 per week   | 43 per week / 6.1 per day         |
|              |   |                                     | Moose              | Kidney | 127                                 | 77.1                 | 2.8 per week   | 12 per week / 1.72 per day        |
|              |   |                                     | Moose              | Liver  | 14.3                                | 70.7                 | 24.5 per week  | 83.5 per week / 11.9 per day      |
|              |   |                                     | Moose              | Muscle | 0.18                                | 73.2                 | 1,944 per week   | 7,255 per week / 1,036 per day    |
| Copper (Cu)  | 0.5 (per week)                          | 25000 (per week)                    | Caribou            | Kidney | 30.4                                | 80.5                 | 822 per week   | 4,217 per week / 602 per day      |
|              |   |                                     | Moose              | Kidney | 22.39                               | 77.1                 | 1,116 per week   | 4,875 per week / 697 per day      |
|              |   |                                     | Moose              | Liver  | 162                                 | 70.7                 | 154 per week   | 526 per week / 75 per day         |
|              |   |                                     | Moose              | Muscle | 6.44                                | 73.2                 | 3,882 per week   | 14,485 per week / 2,069 per day   |
| Iron (Fe)    | 0.8 (per day)                           | 40000 (per day)                     | Caribou            | Kidney | 38                                  | 80.5                 | 1,052 per day  | 5,398 per day                     |
|              |   |                                     | Moose              | Kidney | 232                                 | 77.1                 | 172 per day  | 752 per day                       |
|              |   |                                     | Moose              | Liver  | 526                                 | 70.7                 | 76 per day   | 259 per day                       |
|              |   |                                     | Moose              | Muscle | 154                                 | 73.2                 | 260 per day  | 969 per day                       |
| Lead (Pb)    | 0.025 (per week)                        | 1250 (per week)                     | Caribou            | Kidney | <DL                                 |                      |  |                                   |
|              |   |                                     | Moose              | Kidney | 0.1                                 | 79.69                | 12,500 per week  | 61,545 per week / 8,792 per day   |
|              |   |                                     | Moose              | Liver  | 0.01                                | 70.7                 | 125,000 per week   | 426,621 per week / 60,945 per day |
|              |   |                                     | Moose              | Muscle | 0.01                                | 73.2                 | 125,000 per week   | 466,417 per week / 66,631 per day |
| Mercury (Hg) | 0.005                                   | 250 (per week)                      | Caribou            | Kidney | 1.2                                 | 80.5                 | 208 per week   | 1,068 per week / 153 per day      |
|              |   |                                     | Moose              | Kidney | <DL                                 |                      |  |                                   |
|              |   |                                     | Moose              | Liver  | <DL                                 |                      |  |                                   |
|              |   |                                     | Moose              | Muscle | <DL                                 |                      |  |                                   |
| Silver (Ag)  | 0.005 (per day)                         | 250 (per day)                       | Caribou            | Kidney | 0.032                               | 80.5                 | 7,813 per day  | 40,064 per day                    |
|              |   |                                     | Moose              | Kidney | <DL                                 |                      |  |                                   |
|              |   |                                     | Moose              | Liver  | 0.69                                | 70.7                 | 362 per day  | 1,236 per day                     |
|              |   |                                     | Moose              | Muscle | <DL                                 |                      |  |                                   |
| Zinc (Zn)    | 1 (per day)                             | 50000 (per day)                     | Caribou            | Kidney | 122                                 | 80.5                 | 410 per day  | 2,101 per day                     |
|              |   |                                     | Moose              | Kidney | 132                                 | 77.1                 | 379 per day  | 1,654 per day                     |
|              |   |                                     | Moose              | Liver  | 73.4                                | 70.7                 | 681 per day  | 2,324 per day                     |
|              |   |                                     | Moose              | Muscle | 104                                 | 73.2                 | 481 per day  | 1,793 per day                     |

Note that highlighted values were those found to be most restrictive in terms of the maximum amounts which can be directly consumed.