# APPENDIX C

# ERA MODEL INPUTS AND OUTPUTS

Jacques Whitford's Ecological Risk Assessment Model (Version 1.21)

## Intake Parameters for the Snowy Owl

| | | |
|---|---|---|
| **Receptor Name** | Snowy Owl | |
| **Name of Area** | CAM-F | |
| **Receptor Type** | 1 | (1-Bird, 2-Mammal) |
| **Small Mammal Type** | 1 | (1-General, 2- Herbivore, 3-Insectivore) Default value should be 1 |
| **Benthic invertebrates, fish and aquatic plants based on Sediment or Surface Water Uptake** | 1 | (1-Sediment, 2-Surface Water) Default value should be 1 |
| | | |
| **General Parameters** | | |
| Body weight | 2.05 | kg |
| Food intake rate | 0.290218284 | kg wet-wt/day |
| Water intake rate | 0.095439268 | L/day |
| **Ingestion of Soil** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction diet that is dry solid | 0.32 | |
| Fraction of food intake rate | 0.028 | |
| Ingestion rate | 0.002600356 | kg dry-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-sl) | 0.001268466 | kg/kg-day |
| **Ingestion of Terrestrial Plants** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-tp) | 0 | kg/kg-day |
| **Ingestion of Terrestrial Invertebrates** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-ti) | 0 | kg/kg-day |
| **Ingestion of Terrestrial Mammals/Birds** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 1 | |
| Ingestion rate | 0.290218284 | kg wet-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-tm) | 0.141569895 | kg/kg-day |
| **Ingestion of Surface Water** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Ingestion rate | 0.095439268 | L/day |
| Fraction from site | 1 | |
| Intake factor (IFing-sw) | 0.04655574 | L/kg-day |
| **Ingestion of Sediment** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction diet that is dry solid | 0 | |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg dry-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-sed) | 0 | kg/kg-day |
| **Ingestion of Aquatic Plants** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-ap) | 0 | kg/kg-day |
| **Ingestion of Benthic Invertebrates** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-ai) | 0 | kg/kg-day |
| **Ingestion of Fish** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-fsh) | 0 | kg/kg-day |

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# Intake Parameters for the Ptarmigan

| Receptor Name | Ptarmigan | |
|---|---|---|
| Name of Area | CAM-F | |
| Receptor Type | 1 | (1-Bird, 2-Mammal) |
| Small Mammal Type | 1 | (1-General, 2- Herbivore, 3-Insectivore) Default value should be 1 |
| Benthic invertebrates, fish and aquatic plants based on Sediment or Surface Water Uptake | 1 | (1-Sediment, 2-Surface Water) Default value should be 1 |
| | | |
| **General Parameters** | | |
| Body weight | 0.5 | kg |
| Food intake rate | 0.124 | kg wet-wt/day |
| Water intake rate | 0.037 | L/day |
| **Ingestion of Soil** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction diet that is dry solid | 0.3 | |
| Fraction of food intake rate | 0.02 | |
| Ingestion rate | 0.000744 | kg dry-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-sl) | 0.001488 | kg/kg-day |
| **Ingestion of Terrestrial Plants** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 1 | |
| Ingestion rate | 0.124 | kg wet-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-tp) | 0.248 | kg/kg-day |
| **Ingestion of Terrestrial Invertebrates** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0.1 | |
| Ingestion rate | 0.0124 | kg wet-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-ti) | 0.0248 | kg/kg-day |
| **Ingestion of Terrestrial Mammals/Birds** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-tm) | 0 | kg/kg-day |
| **Ingestion of Surface Water** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Ingestion rate | 0.037 | L/day |
| Fraction from site | 1 | |
| Intake factor (IFing-sw) | 0.074 | L/kg-day |
| **Ingestion of Sediment** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction diet that is dry solid | 0 | |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg dry-wt/day |
| Fraction from site | 0 | |

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# Intake Parameters for the Ptarmigan

| | | |
|---|---|---|
| **Receptor Name** | Ptarmigan | |
| **Name of Area** | CAM-F | |
| **Receptor Type** | 1 | (1-Bird, 2-Mammal) |
| **Small Mammal Type** | 1 | (1-General, 2- Herbivore, 3-Insectivore) Default value should be 1 |
| **Benthic invertebrates, fish and aquatic plants based on Sediment or Surface Water Uptake** | 1 | (1-Sediment, 2-Surface Water) Default value should be 1 |
| Intake factor (IFing-sed) | 0 | kg/kg-day |
| **Ingestion of Aquatic Plants** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-ap) | 0 | kg/kg-day |
| **Ingestion of Benthic Invertebrates** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-ai) | 0 | kg/kg-day |
| **Ingestion of Fish** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-fsh) | 0 | kg/kg-day |

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# Intake Parameters for the Lemming

| | | |
|---|---|---|
| **Receptor Name** | Lemming | |
| **Name of Area** | CAM-F | |
| **Receptor Type** | 2 | (1-Bird, 2-Mammal) |
| **Small Mammal Type** | 1 | (1-General, 2- Herbivore, 3-Insectivore) Default value should be 1 |
| **Benthic invertebrates, fish and aquatic plants based on Sediment or Surface Water Uptake** | 1 | (1-Sediment, 2-Surface Water) Default value should be 1 |
| | | |
| **General Parameters** | | |
| Body weight | 0.04 | kg |
| Food intake rate | 0.023 | kg wet-wt/day |
| Water intake rate | 0.009 | L/day |
| **Ingestion of Soil** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction diet that is dry solid | 0.3 | |
| Fraction of food intake rate | 0.02 | |
| Ingestion rate | 0.000138 | kg dry-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-sl) | 0.00345 | kg/kg-day |
| **Ingestion of Terrestrial Plants** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 1 | |
| Ingestion rate | 0.023 | kg wet-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-tp) | 0.575 | kg/kg-day |
| **Ingestion of Terrestrial Invertebrates** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-ti) | 0 | kg/kg-day |
| **Ingestion of Terrestrial Mammals/Birds** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-tm) | 0 | kg/kg-day |
| **Ingestion of Surface Water** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Ingestion rate | 0.009 | L/day |
| Fraction from site | 1 | |
| Intake factor (IFing-sw) | 0.225 | L/kg-day |
| **Ingestion of Sediment** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction diet that is dry solid | 0.1 | |
| Fraction of food intake rate | 0.01 | |
| Ingestion rate | 0.000023 | kg dry-wt/day |

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# Intake Parameters for the Lemming

| Receptor Name | Lemming | |
|---|---|---|
| Name of Area | CAM-F | |
| Receptor Type | 2 | (1-Bird, 2-Mammal) |
| Small Mammal Type | 1 | (1-General, 2- Herbivore, 3-Insectivore) Default value should be 1 |
| Benthic invertebrates, fish and aquatic plants based on Sediment or Surface Water Uptake | 1 | (1-Sediment, 2-Surface Water) Default value should be 1 |
| Fraction from site | 1 | |
| Intake factor (IFing-sed) | 0 | kg/kg-day |
| **Ingestion of Aquatic Plants** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-ap) | 0 | kg/kg-day |
| **Ingestion of Benthic Invertebrates** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0.25 | |
| Ingestion rate | 0.00575 | kg wet-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-ai) | 0 | kg/kg-day |
| **Ingestion of Fish** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0.25 | |
| Ingestion rate | 0.00575 | kg wet-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-fsh) | 0 | kg/kg-day |

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# Intake Parameters for the Ermine

| | | |
|---|---|---|
| **Receptor Name** | Ermine | |
| **Name of Area** | CAM-F | |
| **Receptor Type** | 2 | (1-Bird, 2-Mammal) |
| **Small Mammal Type** | 1 | (1-General, 2- Herbivore, 3-Insectivore) Default value should be 1 |
| **Benthic invertebrates, fish and aquatic plants based on Sediment or Surface Water Uptake** | 1 | (1-Sediment, 2-Surface Water) Default value should be 1 |
| | | |
| **General Parameters** | | |
| Body weight | 0.128 | kg |
| Food intake rate | 0.026336787 | kg wet-wt/day |
| Water intake rate | 0.009273303 | L/day |
| **Ingestion of Soil** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction diet that is dry solid | 0.3 | |
| Fraction of food intake rate | 0.028 | |
| Ingestion rate | 0.000221229 | kg dry-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-sl) | 0.001728352 | kg/kg-day |
| **Ingestion of Terrestrial Plants** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0.05 | |
| Ingestion rate | 0.001316839 | kg wet-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-tp) | 0.010287807 | kg/kg-day |
| **Ingestion of Terrestrial Invertebrates** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0.1 | |
| Ingestion rate | 0.002633679 | kg wet-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-ti) | 0.020575615 | kg/kg-day |
| **Ingestion of Terrestrial Mammals/Birds** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0.85 | |
| Ingestion rate | 0.022386269 | kg wet-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-tm) | 0.174892727 | kg/kg-day |
| **Ingestion of Surface Water** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Ingestion rate | 0.009273303 | L/day |
| Fraction from site | 1 | |
| Intake factor (IFing-sw) | 0.072447678 | L/kg-day |
| **Ingestion of Sediment** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction diet that is dry solid | 0 | |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg dry-wt/day |

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# Intake Parameters for the Ermine

| | | |
|---|---|---|
| **Receptor Name** | Ermine | |
| **Name of Area** | CAM-F | |
| **Receptor Type** | 2 | (1-Bird, 2-Mammal) |
| **Small Mammal Type** | 1 | (1-General, 2- Herbivore, 3-Insectivore) Default value should be 1 |
| **Benthic invertebrates, fish and aquatic plants based on Sediment or Surface Water Uptake** | 1 | (1-Sediment, 2-Surface Water) Default value should be 1 |
| Fraction from site | 0 | |
| Intake factor (IFing-sed) | 0 | kg/kg-day |
| **Ingestion of Aquatic Plants** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-ap) | 0 | kg/kg-day |
| **Ingestion of Benthic Invertebrates** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-ai) | 0 | kg/kg-day |
| **Ingestion of Fish** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-fsh) | 0 | kg/kg-day |

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# Intake Parameters for the Caribou

| | | |
|---|---|---|
| **Receptor Name** | Caribou | |
| **Name of Area** | CAM-F | |
| **Receptor Type** | 2 | (1-Bird, 2-Mammal) |
| **Small Mammal Type** | 1 | (1-General, 2- Herbivore, 3-Insectivore) Default value should be 1 |
| **Benthic invertebrates, fish and aquatic plants based on Sediment or Surface Water Uptake** | 1 | (1-Sediment, 2-Surface Water) Default value should be 1 |
| | | |
| **General Parameters** | | |
| Body weight | 117.5 | kg |
| Food intake rate | 18.6639 | kg wet-wt/day |
| Water intake rate | 7.222196069 | L/day |
| **Ingestion of Soil** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction diet that is dry solid | 0.15 | |
| Fraction of food intake rate | 0.082 | |
| Ingestion rate | 0.22956597 | kg dry-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-sl) | 0.001953753 | kg/kg-day |
| **Ingestion of Terrestrial Plants** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 1 | |
| Ingestion rate | 18.6639 | kg wet-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-tp) | 0.158841702 | kg/kg-day |
| **Ingestion of Terrestrial Invertebrates** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-ti) | 0 | kg/kg-day |
| **Ingestion of Terrestrial Mammals/Birds** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-tm) | 0 | kg/kg-day |
| **Ingestion of Surface Water** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Ingestion rate | 7.222196069 | L/day |
| Fraction from site | 1 | |
| Intake factor (IFing-sw) | 0.061465498 | L/kg-day |
| **Ingestion of Sediment** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction diet that is dry solid | 0 | |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg dry-wt/day |

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# Intake Parameters for the Caribou

| | | |
|---|---|---|
| **Receptor Name** | Caribou | |
| **Name of Area** | CAM-F | |
| **Receptor Type** | 2 | (1-Bird, 2-Mammal) |
| **Small Mammal Type** | 1 | (1-General, 2- Herbivore, 3-Insectivore)<br>Default value should be 1 |
| **Benthic invertebrates, fish and aquatic plants based on Sediment or Surface Water Uptake** | 1 | (1-Sediment, 2-Surface Water)<br>Default value should be 1 |
| Fraction from site | 0 | |
| Intake factor (IFing-sed) | 0 | kg/kg-day |
| **Ingestion of Aquatic Plants** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-ap) | 0 | kg/kg-day |
| **Ingestion of Benthic Invertebrates** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-ai) | 0 | kg/kg-day |
| **Ingestion of Fish** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-fsh) | 0 | kg/kg-day |

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# Intake Parameters for the Arctic Fox

| | | |
|---|---|---|
| **Receptor Name** | Arctic Fox | |
| **Name of Area** | CAM-F | |
| **Receptor Type** | 2 | (1-Bird, 2-Mammal) |
| **Small Mammal Type** | 1 | (1-General, 2- Herbivore, 3-Insectivore) Default value should be 1 |
| **Benthic invertebrates, fish and aquatic plants based on Sediment or Surface Water Uptake** | 1 | (1-Sediment, 2-Surface Water) Default value should be 1 |
| | | |
| **General Parameters** | | |
| Body weight | 5.75 | kg |
| Food intake rate | 0.933 | kg wet-wt/day |
| Water intake rate | 0.478 | L/day |
| **Ingestion of Soil** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction diet that is dry solid | 0.31 | |
| Fraction of food intake rate | 0.03 | |
| Ingestion rate | 0.0086769 | kg dry-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-sl) | 0.001509026 | kg/kg-day |
| **Ingestion of Terrestrial Plants** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0.05 | |
| Ingestion rate | 0.04665 | kg wet-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-tp) | 0.008113043 | kg/kg-day |
| **Ingestion of Terrestrial Invertebrates** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-ti) | 0 | kg/kg-day |
| **Ingestion of Terrestrial Mammals/Birds** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0.95 | |
| Ingestion rate | 0.88635 | kg wet-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-tm) | 0.154147826 | kg/kg-day |
| **Ingestion of Surface Water** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Ingestion rate | 0.478 | L/day |
| Fraction from site | 1 | |
| Intake factor (IFing-sw) | 0.083130435 | L/kg-day |
| **Ingestion of Sediment** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction diet that is dry solid | 0 | |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg dry-wt/day |

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# Intake Parameters for the Arctic Fox

| | | |
|---|---|---|
| **Receptor Name** | Arctic Fox | |
| **Name of Area** | CAM-F | |
| **Receptor Type** | 2 | (1-Bird, 2-Mammal) |
| **Small Mammal Type** | 1 | (1-General, 2- Herbivore, 3-Insectivore)<br>Default value should be 1 |
| **Benthic invertebrates, fish and aquatic plants based on Sediment or Surface Water Uptake** | 1 | (1-Sediment, 2-Surface Water)<br>Default value should be 1 |
| Fraction from site | 0 | |
| Intake factor (IFing-sed) | 0 | kg/kg-day |
| **Ingestion of Aquatic Plants** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-ap) | 0 | kg/kg-day |
| **Ingestion of Benthic Invertebrates** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-ai) | 0 | kg/kg-day |
| **Ingestion of Fish** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-fsh) | 0 | kg/kg-day |

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# Intake Parameters for the Arctic Hare

| | | |
|---|---|---|
| **Receptor Name** | Arctic Hare | |
| **Name of Area** | CAM-F | |
| **Receptor Type** | 2 | (1-Bird, 2-Mammal) |
| **Small Mammal Type** | 1 | (1-General, 2- Herbivore, 3-Insectivore) Default value should be 1 |
| **Benthic invertebrates, fish and aquatic plants based on Sediment or Surface Water Uptake** | 1 | (1-Sediment, 2-Surface Water) Default value should be 1 |
| | | |
| **General Parameters** | | |
| Body weight | 4.3 | kg |
| Food intake rate | 1.149 | kg wet-wt/day |
| Water intake rate | 0.368 | L/day |
| **Ingestion of Soil** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction diet that is dry solid | 0.22 | |
| Fraction of food intake rate | 0.024 | |
| Ingestion rate | 0.00606672 | kg dry-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-sl) | 0.001410865 | kg/kg-day |
| **Ingestion of Terrestrial Plants** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0.95 | |
| Ingestion rate | 1.09155 | kg wet-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-tp) | 0.253848837 | kg/kg-day |
| **Ingestion of Terrestrial Invertebrates** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-ti) | 0 | kg/kg-day |
| **Ingestion of Terrestrial Mammals/Birds** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0.05 | |
| Ingestion rate | 0.05745 | kg wet-wt/day |
| Fraction from site | 1 | |
| Intake factor (IFing-tm) | 0.013360465 | kg/kg-day |
| **Ingestion of Surface Water** | | |
| Applicable pathway? | 1 | (0 = no, 1 = yes) |
| Ingestion rate | 0.368 | L/day |
| Fraction from site | 1 | |
| Intake factor (IFing-sw) | 0.085581395 | L/kg-day |
| **Ingestion of Sediment** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction diet that is dry solid | 0 | |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg dry-wt/day |

Jacques Whitford's Ecological Risk Assessment Model (Version 1.21)

# Intake Parameters for the Arctic Hare

| | | |
|---|---|---|
| **Receptor Name** | Arctic Hare | |
| **Name of Area** | CAM-F | |
| **Receptor Type** | 2 | (1-Bird, 2-Mammal) |
| **Small Mammal Type** | 1 | (1-General, 2- Herbivore, 3-Insectivore)<br>Default value should be 1 |
| **Benthic invertebrates, fish and aquatic plants based on Sediment or Surface Water Uptake** | 1 | (1-Sediment, 2-Surface Water)<br>Default value should be 1 |
| Fraction from site | 0 | |
| Intake factor (IFing-sed) | 0 | kg/kg-day |
| **Ingestion of Aquatic Plants** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-ap) | 0 | kg/kg-day |
| **Ingestion of Benthic Invertebrates** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-ai) | 0 | kg/kg-day |
| **Ingestion of Fish** | | |
| Applicable pathway? | 0 | (0 = no, 1 = yes) |
| Fraction of food intake rate | 0 | |
| Ingestion rate | 0 | kg wet-wt/day |
| Fraction from site | 0 | |
| Intake factor (IFing-fsh) | 0 | kg/kg-day |

**Reference Toxicity Doses for Bird Species Exposed to Constituents fo Concern from CAM-F**

| Constituent | Test Species | Test Species Body Weight (kg wet) | Body Weight Reference | Effect | Reference | Endpoint | Daily Dose (mg/kg-day) | Total Uncertainty Factor (a) | Chronic LOAEL- Test Species (b) (mg/kg-day) | Receptor Species | Body Weight Scaling Factor | Reference Toxicity Dose (mg/kg-day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **BTEX** | | | | | | | | | | | | |
| Benzene | Mouse | 0.03 | USEPA (1988a) | reproduction | Nawrot & Staples (1979), Sample et al. (1996) | chronic LOAEL | 2.64E+02 | 5 | 5.27E+01 | Ptarmigan | 1.76E+00 | 9.25E+01 |
| Ethylbenzene | Rat | 0.35 | USEPA (1988a) | liver and kidney toxicity | Wolf et al. (1956) | subchronic NOAEL | 9.71E+01 | 5 | 1.94E+01 | Ptarmigan | 1.07E+00 | 2.09E+01 |
| Toluene | Mouse | 0.03 | USEPA (1988a) | reproduction | Nawrot & Staples (1979), Sample et al. (1996) | chronic LOAEL | 2.60E+02 | 5 | 5.20E+01 | Ptarmigan | 1.76E+00 | 9.13E+01 |
| Xylenes | Mouse | 0.03 | USEPA (1988a) | reproduction | Marks et al. (1982), Sample et al. (1996) | chronic LOAEL | 2.58E+00 | 5 | 5.16E-01 | Ptarmigan | 1.76E+00 | 9.06E-01 |
| **TPH - CCME CWS** | | | | | | | | | | | | |
| Aliph>C06-C08 - F1 | Mallard Duck | 1 | Heinz et al. 1989 | Liver hypertrophy and splenic atrophy | Adapted from Szaro et al. (1978) | chronic LOAEL | 5.00E+02 | 1 | 5.00E+02 | Ptarmigan | 8.71E-01 | 4.35E+02 |
| Aliph>C08-C10 -F1 | Mallard Duck | 1 | Heinz et al. 1989 | Liver hypertrophy and splenic atrophy | Adapted from Szaro et al. (1978) | chronic LOAEL | 5.00E+02 | 1 | 5.00E+02 | Ptarmigan | 8.71E-01 | 4.35E+02 |
| Arom>C08-C10 -F1 | Mallard Duck | 1 | Heinz et al. 1989 | Liver hypertrophy and splenic atrophy | Adapted from Szaro et al. (1978) | chronic LOAEL | 5.00E+01 | 1 | 5.00E+01 | Ptarmigan | 8.71E-01 | 4.35E+01 |
| F1 - Total | | | | | | | -- | | -- | | | -- |
| Aliph>C10-C12 -F2 | Mallard Duck | 1 | Heinz et al. 1989 | Liver hypertrophy and splenic atrophy | Adapted from Szaro et al. (1978) | chronic LOAEL | 5.00E+02 | 1 | 5.00E+02 | Ptarmigan | 8.71E-01 | 4.35E+02 |
| Aliph>C12-C16 -F2 | Mallard Duck | 1 | Heinz et al. 1989 | Liver hypertrophy and splenic atrophy | Adapted from Szaro et al. (1978) | chronic LOAEL | 5.00E+02 | 1 | 5.00E+02 | Ptarmigan | 8.71E-01 | 4.35E+02 |
| Arom>C10-C12 -F2 | Mallard Duck | 1 | Heinz et al. 1989 | Liver hypertrophy and splenic atrophy | Adapted from Szaro et al. (1978) | chronic LOAEL | 5.00E+01 | 1 | 5.00E+01 | Ptarmigan | 8.71E-01 | 4.35E+01 |
| Arom>C12-C16 -F2 | Mallard Duck | 1 | Heinz et al. 1989 | Liver hypertrophy and splenic atrophy | Adapted from Szaro et al. (1978) | chronic LOAEL | 5.00E+01 | 1 | 5.00E+01 | Ptarmigan | 8.71E-01 | 4.35E+01 |
| F2 - Total | | | | | | | -- | | -- | | | -- |
| Aliph>C16-C21-F3 | Mallard Duck | 1 | Heinz et al. 1989 | Liver hypertrophy and splenic atrophy | Adapted from Szaro et al. (1978) | chronic LOAEL | 1.00E+03 | 1 | 1.00E+03 | Ptarmigan | 8.71E-01 | 8.71E+02 |
| Aliph>C21-C34 -F3 | Mallard Duck | 1 | Heinz et al. 1989 | Liver hypertrophy and splenic atrophy | Adapted from Szaro et al. (1978) | chronic LOAEL | 1.50E+02 | 1 | 1.50E+02 | Ptarmigan | 8.71E-01 | 1.31E+02 |
| Arom>C16-C21 -F3 | Mallard Duck | 1 | Heinz et al. 1989 | Liver hypertrophy and splenic atrophy | Adapted from Szaro et al. (1978) | chronic LOAEL | 1.00E+02 | 1 | 1.00E+02 | Ptarmigan | 8.71E-01 | 8.71E+01 |
| Arom>C21-C34 -F3 | Mallard Duck | 1 | Heinz et al. 1989 | Liver hypertrophy and splenic atrophy | Adapted from Szaro et al. (1978) | chronic LOAEL | 1.50E+02 | 1 | 1.50E+02 | Ptarmigan | 8.71E-01 | 1.31E+02 |
| F3 - Total | | | | | | | -- | | -- | | | -- |
| Aliph>C34-C50 -F4 | Mallard Duck | 1 | Heinz et al. 1989 | Liver hypertrophy and splenic atrophy | Adapted from Szaro et al. (1978) | chronic LOAEL | 3.00E+03 | 1 | 3.00E+03 | Ptarmigan | 8.71E-01 | 2.61E+03 |
| Arom>C34-C50 -F4 | Mallard Duck | 1 | Heinz et al. 1989 | Liver hypertrophy and splenic atrophy | Adapted from Szaro et al. (1978) | chronic LOAEL | 1.50E+02 | 1 | 1.50E+02 | Ptarmigan | 8.71E-01 | 1.31E+02 |
| F4 - Total | | | | | | | -- | | -- | | | -- |
| **Organics** | | | | | | | | | | | | |
| Aroclor 1254 (Total PCBs) | Ring-necked Pheasant | 1 | EPA 1993e | reproductive | Dahlgren et al 1972, Sample et al., 1996 | chronic LOAEL | 1.80E+00 | 1 | 1.80E+00 | Ptarmigan | 8.71E-01 | 1.57E+00 |
| **Inorganics** | | | | | | | | | | | | |
| Antimony | Mouse | 0.03 | USEPA (1988a) | lifespan, longevity | Sample et al. (1996) | chronic LOAEL | 1.25E+00 | 5 | 2.50E-01 | Ptarmigan | 1.76E+00 | 4.39E-01 |
| Barium | Chicken (chicks) | 0.121 | EPA 1988a | mortality | Johnson et al. 1960, Sample et al. (1996), ORNL ES/ER/TM-86/R3 | chronic LOAEL | 4.17E+01 | 1 | 4.17E+01 | Ptarmigan | 1.33E+00 | 5.54E+01 |
| Beryllium | Rat | 0.35 | USEPA (1988a) | longevity, weight loss (sub lethal) | Sample et al. (1996), ORNL ES/ER/TM-86/R3 | chronic NOAEL | 6.60E-01 | 1 | 6.60E-01 | Ptarmigan | 1.07E+00 | 7.09E-01 |
| Boron | Mallard duck | 1 | Heinz et al. 1989 | reproduction | Smith & Anders (1989), Sample et al. (1996) | chronic LOAEL | 1.00E+02 | 1 | 1.00E+02 | Ptarmigan | 8.71E-01 | 8.71E+01 |
| Cadmium | Mallard duck | 1 | Heinz et al. 1989 | reproduction | White & Finley (1978), Sample et al. (1996) | chronic LOAEL | 2.00E+01 | 1 | 2.00E+01 | Ptarmigan | 8.71E-01 | 1.74E+01 |
| Chromium (Total) | Black duck | 1.25 | Dunning 1984 | reproduction | Sample et al. (1996) | chronic LOAEL | 5.00E+00 | 1 | 5.00E+00 | Ptarmigan | 8.33E-01 | 4.16E+00 |
| Copper | Chicken (chicks) | 0.121 | EPA 1988a | growth, mortality | Mehring et al. (1960), Sample et al. (1996) | chronic LOAEL | 6.17E+01 | 1 | 6.17E+01 | Ptarmigan | 1.33E+00 | 8.19E+01 |
| Lead | Japanese quail | 0.15 | Vos et al. 1971 | reproduction | Edens et al. (1976), Sample et al. (1996) | chronic LOAEL | 1.13E+01 | 1 | 1.13E+01 | Ptarmigan | 1.27E+00 | 1.44E+01 |
| Tin | Japanese quail | 0.15 | Vos et al. 1971 | reproduction | Sample et al. (1996), ORNL ES/ER/TM-86/R3 | chronic LOAEL | 1.69E+01 | 1 | 1.69E+01 | Ptarmigan | 1.27E+00 | 2.15E+01 |
| Zinc | White Leghorn hen | 1.851 | Sample et al. 1996 | reproduction | Stahl et al. (1990), Sample et al. (1996) | chronic LOAEL | 1.31E+02 | 1 | 1.31E+02 | Ptarmigan | 7.70E-01 | 1.01E+02 |

Notes.

(a) The following uncertainty factors are used: 5 for subchronic to chronic; 0.2 for NOAEL to LOAEL (5 for LOAEL to NOAEL); 6 for $LD_{50}$ or $LD_{LO}$ to LOAEL: 5 for mammal to bird

(b) The chronic LOAEL is calculated as the Daily Dose divided by the Total Uncertainty Factor

NA - Not Available

## Reference Toxicity Doses for Test Organisms - Mammals - Exposed to Constituents fo Concern from CAM-F

| Constituent | Test Species | Test Species Body Weight (kg wet) | Body Weight Reference | Effect | Reference | Endpoint | Daily Dose (mg/kg-day) | Total Uncertainty Factor (a) | Chronic LOAEL - Test Species (b) (mg/kg-day) | Receptor Species | Body Weight Scaling Factor | Reference Toxicity Dose (mg/kg-day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **BTEX** | | | | | | | | | | | | |
| Benzene | Mouse | 0.03 | USEPA (1988a) | reproduction | Nawrot & Staples (1979), Sample et al. (1996) | chronic LOAEL | 2.64E+02 | 1 | 2.64E+02 | Arctic Fox | 7.30E-01 | 1.92E+02 |
| Ethylbenzene | Rat | 0.35 | USEPA (1988a) | liver and kidney toxicity | Wolf et al. (1956) | subchronic NOAEL | 9.71E+01 | 1 | 9.71E+01 | Arctic Fox | 8.45E-01 | 8.21E+01 |
| Toluene | Mouse | 0.03 | USEPA (1988a) | reproduction | Nawrot & Staples (1979), Sample et al. (1996) | chronic LOAEL | 2.60E+02 | 1 | 2.60E+02 | Arctic Fox | 7.30E-01 | 1.90E+02 |
| Xylenes | Mouse | 0.03 | USEPA (1988a) | reproduction | Marks et al. (1982), Sample et al. (1996) | chronic LOAEL | 2.60E+00 | 1 | 2.60E+00 | Arctic Fox | 7.30E-01 | 1.90E+00 |
| **TPH - CCME CWS** | | | | | | | | | | | | |
| Aliph>C06-C08 - F1 | Mouse | 0.03 | USEPA (1988a) | Various | Weight of Evidence from ATSDR (200X), TPHCWG (1997), Hutcheson et al. (1996) and CWS (2001) | chronic LOAEL | 2.00E+02 | 1 | 2.00E+02 | Arctic Fox | 7.30E-01 | 1.46E+02 |
| Aliph>C08-C10 -F1 | Mouse | 0.03 | USEPA (1988a) | Various | Weight of Evidence from ATSDR (200X), TPHCWG (1997), Hutcheson et al. (1996) and CWS (2001) | chronic LOAEL | 2.00E+02 | 1 | 2.00E+02 | Arctic Fox | 7.30E-01 | 1.46E+02 |
| Arom>C08-C10 -F1 | Mouse | 0.03 | USEPA (1988a) | Various | Weight of Evidence from ATSDR (200X), TPHCWG (1997), Hutcheson et al. (1996) and CWS (2001) | chronic LOAEL | 5.00E+01 | 1 | 5.00E+01 | Arctic Fox | 7.30E-01 | 3.65E+01 |
| F1 - Total | | | | | | | -- | | -- | | 0.00E+00 | -- |
| Aliph>C10-C12 -F2 | Mouse | 0.03 | USEPA (1988a) | Various | Weight of Evidence from ATSDR (200X), TPHCWG (1997), Hutcheson et al. (1996) and CWS (2001) | chronic LOAEL | 2.00E+02 | 1 | 2.00E+02 | Arctic Fox | 7.30E-01 | 1.46E+02 |
| Aliph>C12-C16 -F2 | Mouse | 0.03 | USEPA (1988a) | Various | Weight of Evidence from ATSDR (200X), TPHCWG (1997), Hutcheson et al. (1996) and CWS (2001) | chronic LOAEL | 2.00E+02 | 1 | 2.00E+02 | Arctic Fox | 7.30E-01 | 1.46E+02 |
| Arom>C10-C12 -F2 | Mouse | 0.03 | USEPA (1988a) | Various | Weight of Evidence from ATSDR (200X), TPHCWG (1997), Hutcheson et al. (1996) and CWS (2001) | chronic LOAEL | 1.00E+02 | 1 | 1.00E+02 | Arctic Fox | 7.30E-01 | 7.30E+01 |
| Arom>C12-C16 -F2 | Mouse | 0.03 | USEPA (1988a) | Various | Weight of Evidence from ATSDR (200X), TPHCWG (1997), Hutcheson et al. (1996) and CWS (2001) | chronic LOAEL | 1.00E+02 | 1 | 1.00E+02 | Arctic Fox | 7.30E-01 | 7.30E+01 |
| F2 - Total | | | | | | | -- | | -- | | 0.00E+00 | -- |
| Aliph>C16-C21-F3 | Mouse | 0.03 | USEPA (1988a) | Various | Weight of Evidence from ATSDR (200X), TPHCWG (1997), Hutcheson et al. (1996) and CWS (2001) | chronic LOAEL | 4.00E+02 | 1 | 4.00E+02 | Arctic Fox | 7.30E-01 | 2.92E+02 |
| Aliph>C21-C34 -F3 | Mouse | 0.03 | USEPA (1988a) | Various | Weight of Evidence from ATSDR (200X), TPHCWG (1997), Hutcheson et al. (1996) and CWS (2001) | chronic LOAEL | 4.00E+02 | 1 | 4.00E+02 | Arctic Fox | 7.30E-01 | 2.92E+02 |
| Arom>C16-C21 -F3 | Mouse | 0.03 | USEPA (1988a) | Various | Weight of Evidence from ATSDR (200X), TPHCWG (1997), Hutcheson et al. (1996) and CWS (2001) | chronic LOAEL | 1.00E+02 | 1 | 1.00E+02 | Arctic Fox | 7.30E-01 | 7.30E+01 |
| Arom>C21-C34 -F3 | Mouse | 0.03 | USEPA (1988a) | Various | Weight of Evidence from ATSDR (200X), TPHCWG (1997), Hutcheson et al. (1996) and CWS (2001) | chronic LOAEL | 1.00E+02 | 1 | 1.00E+02 | Arctic Fox | 7.30E-01 | 7.30E+01 |
| F3 - Total | | | | | | | -- | | -- | | 0.00E+00 | -- |
| Aliph>C34-C50 -F4 | Mouse | 0.03 | USEPA (1988a) | Various | Weight of Evidence from ATSDR (200X), TPHCWG (1997), Hutcheson et al. (1996) and CWS (2001) | chronic LOAEL | 1.00E+03 | 1 | 1.00E+03 | Arctic Fox | 7.30E-01 | 7.30E+02 |
| Arom>C34-C50 -F4 | Mouse | 0.03 | USEPA (1988a) | Various | Weight of Evidence from ATSDR (200X), TPHCWG (1997), Hutcheson et al. (1996) and CWS (2001) | chronic LOAEL | 1.00E+02 | 1 | 1.00E+02 | Arctic Fox | 7.30E-01 | 7.30E+01 |
| F4 - Total | | | | | | | -- | | -- | | 0.00E+00 | -- |

## Reference Toxicity Doses for Test Organisms - Mammals - Exposed to Constituents fo Concern from CAM-F

| Constituent | Test Species | Test Species Body Weight (kg wet) | Body Weight Reference | Effect | Reference | Endpoint | Daily Dose (mg/kg-day) | Total Uncertainty Factor (a) | Chronic LOAEL - Test Species (b) (mg/kg-day) | Receptor Species | Body Weight Scaling Factor | Reference Toxicity Dose (mg/kg-day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics** | | | | | | | | | | | | |
| Aroclor 1254 (Total PCBs) | Mink | 1 | USEPA (1988a) | reproduction | Sample et al. (1996) | chronic LOAEL | 6.85E-01 | 1 | 6.85E-01 | Arctic Fox | 9.00E-01 | 6.17E-01 |
| **Inorganics** | | | | | | | | | | | | |
| Antimony | Mouse | 0.03 | USEPA (1988a) | lifespan, longevity | Ondreicka et al. (1966), Sample et al. (1996) | chronic LOAEL | 1.25E+00 | 1 | 1.25E+00 | Arctic Fox | 7.30E-01 | 9.12E-01 |
| Barium | Rat | 0.35 | USEPA (1988a) | growth, hypertension | Schroeder & Mitchner (1971), Sample et al. (1996) | chronic NOAEL | 5.10E+00 | 0.2 | 2.55E+01 | Arctic Fox | 8.45E-01 | 2.16E+01 |
| Beryllium | Rat | 0.35 | USEPA (1988a) | longevity, weight loss | Schroeder & Mitchner (1971), Sample et al. (1996) | chronic NOAEL | 6.60E-01 | 0.2 | 3.30E+00 | Arctic Fox | 8.45E-01 | 2.79E+00 |
| Boron | Rat | 0.35 | USEPA (1988a) | reproduction | Weir & Fisher (1972), Sample et al. (1996) | chronic LOAEL | 9.36E+01 | 1 | 9.36E+01 | Arctic Fox | 8.45E-01 | 7.91E+01 |
| Cadmium | Rat | 0.35 | USEPA (1988a) | reproduction | Sutou et al. (1980), Sample et al. (1996) | chronic LOAEL | 1.00E+01 | 1 | 1.00E+01 | Arctic Fox | 8.45E-01 | 8.45E+00 |
| Chromium (Total) | Rat | 0.35 | USEPA (1988a) | reproduction | Ivankovic & Preussmann (1975), Sample et al. (1996) | chronic NOAEL | 2.74E+03 | 0.2 | 1.37E+04 | Arctic Fox | 8.45E-01 | 1.16E+04 |
| Copper | Mink | 1 | USEPA (1988a) | reproduction | Aulerich et al. (1982), Sample et al. (1996) | chronic LOAEL | 1.51E+01 | 1 | 1.51E+01 | Arctic Fox | 9.00E-01 | 1.36E+01 |
| Lead | Rat | 0.35 | USEPA (1988a) | reproduction | Azar et al. (1973), Sample et al. (1996) | chronic LOAEL | 8.00E+01 | 1 | 8.00E+01 | Arctic Fox | 8.45E-01 | 6.76E+01 |
| Tin | Mouse | 0.03 | USEPA (1988a) | reproduction | Davis et al. (1987), Sample et al. (1996) | chronic LOAEL | 3.50E+01 | 1 | 3.50E+01 | Arctic Fox | 7.30E-01 | 2.55E+01 |
| Zinc | Rat | 0.35 | USEPA (1988a) | reproduction | Schlicker & Cox (1968), Sample et al. (1996) | chronic LOAEL | 3.20E+02 | 1 | 3.20E+02 | Arctic Fox | 8.45E-01 | 2.71E+02 |

Notes:

(a) The following uncertainty factors are used: 5 for subchronic to chronic; 0.2 for NOAEL to LOAEL (5 for LOAEL to NOAEL); 6 for $LD_{50}$ or $LD_{LO}$ to LOAEL.

(b) The chronic LOAEL is calculated as the Daily Dose divided by the Total Uncertainty Factor.

NA - Not Available