

**Table I-11. Calculated dose and hazard quotient from nonradionuclides (mg/kg-d) at ARA-12.**

Concentrations	Arsenic	Cadmium	Chromium(III)	Copper	Lead
Concentration in surface soil	7.30E+00	6.52E+00	4.69E+02	6.23E+02	1.58E+02
Concentration in sub-surface soil	7.08E+00	3.22E+00	1.73E+02	6.25E+01	5.42E+01
Maximum concentration	7.30E+00	6.52E+00	4.69E+02	6.23E+02	1.58E+02
Water concentration (mg/L)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Dose (mg/kg-d)				
Functional groups	Arsenic	Cadmium	Chromium(III)	Copper	Lead
Amphibians (A232)	5.91E-02	5.13E-02	3.66E+00	4.78E+00	1.23E+00
Avian herbivores (AV121)	2.71E-03	2.70E-02	3.92E-02	1.86E+00	5.71E-02
Avian herbivores (AV122)	4.29E-02	1.65E-01	8.96E-01	1.08E+01	5.34E-01
Avian insectivores (AV210)	9.44E-02	9.18E-02	4.02E-01	7.92E+00	6.15E-01
Black tern	1.87E-02	1.60E-02	1.66E-01	1.25E+00	1.27E-01
Avian insectivores (AV210A)	3.04E-01	2.98E-01	1.72E+00	2.59E+01	2.11E+00
Avian insectivores (AV221)	1.42E+00	1.37E+00	6.33E+00	1.18E+02	9.27E+00
Avian insectivores (AV222)	2.05E+00	1.92E+00	1.17E+01	1.61E+02	1.35E+01
Avian insectivores (AV222A)	1.34E+00	1.30E+00	1.27E+01	1.14E+02	1.06E+01
Avian carnivores (AV310)	1.31E-04	3.73E-03	2.91E-02	3.77E-02	2.87E-02
Northern goshawk	1.65E-05	4.71E-04	3.68E-03	4.76E-03	3.63E-03
Peregrine falcon	1.18E-04	3.36E-03	2.62E-02	3.39E-02	2.59E-02
Avian carnivores (AV322)	4.79E-03	1.37E-01	1.07E+00	1.38E+00	1.05E+00
Bald eagle	4.21E-06	1.20E-04	9.38E-04	1.21E-03	9.24E-04
Ferruginous hawk	1.61E-05	4.58E-04	3.58E-03	4.63E-03	3.53E-03
Loggerhead shrike	6.13E-03	1.75E-01	1.37E+00	1.77E+00	1.35E+00
Avian carnivores (AV322A)	8.05E-04	1.96E-02	1.68E-01	2.24E-01	1.55E-01
Burrowing Owl	8.05E-04	1.96E-02	1.68E-01	2.24E-01	1.55E-01
Avian omnivores (AV422)	3.90E-02	6.65E-02	5.56E-01	3.42E+00	4.87E-01
Mammalian herbivores (M121)	3.03E-04	2.53E-03	4.89E-03	1.74E-01	5.70E-03
Mammalian herbivores (M122)	2.16E-01	1.07E+00	4.26E+00	7.12E+01	3.02E+00
Mammalian herbivores (M122A)	2.26E-01	1.04E+00	1.07E+01	7.56E+01	5.10E+00
Pygmy rabbit	4.84E-02	4.09E-01	1.44E+00	2.88E+01	1.14E+00
Mammalian herbivores (M123)	1.41E-01	6.46E-01	6.67E+00	4.71E+01	3.17E+00
Mammalian insectivores (M210)	1.03E-01	9.97E-02	4.36E-01	8.60E+00	6.68E-01
Mammalian insectivores (M210A)	5.41E-01	5.26E-01	2.30E+00	4.53E+01	3.52E+00
Townsend's western big-eared bat	3.78E-01	3.70E-01	1.53E+00	3.20E+01	2.46E+00

**Table I-11.** (continued).

Functional groups	Dose (mg/kg-d)				
	Arsenic	Cadmium	Chromium(III)	Copper	Lead
Small-footed myotis	5.39E-01	5.27E-01	2.19E+00	4.56E+01	3.51E+00
Long-eared myotis	4.66E-01	4.53E-01	1.98E+00	3.91E+01	3.04E+00
Mammalian insectivores (M222)	2.02E+00	1.98E+00	1.07E+01	1.73E+02	1.39E+01
Mammalian carnivore (M322)	3.44E-03	4.93E-02	5.07E-01	6.74E-01	4.12E-01
Mammalian omnivores (M422)	9.46E-01	1.57E+00	1.72E+01	8.40E+01	1.32E+01
Mammalian omnivores (M422A)	1.30E-02	2.10E-02	1.82E-01	1.05E+00	1.62E-01
Reptilian insectivores (R222 )	6.18E-02	6.06E-02	3.28E-01	5.28E+00	4.24E-01
Sagebrush lizard	6.18E-02	6.06E-02	3.28E-01	5.28E+00	4.24E-01
Reptilian carnivores (R322)	5.46E-02	1.05E+00	9.72E+00	1.29E+01	8.50E+00
Plants	2.92E-01	3.59E+00	3.52E+00	2.49E+02	7.11E+00
Functional groups	Hazard Quotient (unitless)				
	Arsenic	Cadmium	Chromium(III)	Copper	Lead
Amphibians (A232)	NA	NA	NA	NA	NA
Avian herbivores (AV121)	4.E-03	1.E+00	3.E-02	5.E-01	2.E+00
Avian herbivores (AV122)	7.E-02	9.E+00	7.E-01	3.E+00	2.E+01
Avian insectivores (AV210)	2.E-01	8.E+00	3.E-01	2.E+00	2.E+01
Black tern	1.E-02	1.E+00	1.E-01	3.E-01	4.E+00
Avian insectivores (AV210A)	5.E-01	2.E+01	1.E+00	7.E+00	3.E+01
Avian insectivores (AV221)	2.E+00	1.E+02	5.E+00	3.E+01	2.E+02
Avian insectivores (AV222)	3.E+00	2.E+02	9.E+00	4.E+01	3.E+02
Avian insectivores (AV222A)	2.E+00	1.E+02	9.E+00	3.E+01	3.E+02
Avian carnivores (AV310)	3.E-04	3.E-01	2.E-02	1.E-02	1.E+00
Northern goshawk	4.E-05	4.E-02	3.E-03	1.E-03	9.E-02
Peregrine falcon	3.E-04	3.E-01	2.E-02	9.E-03	6.E-01
Avian carnivores (AV322)	1.E-02	1.E+01	8.E-01	4.E-01	4.E+01
Bald eagle	1.E-05	1.E-02	7.E-04	3.E-04	3.E-02
Ferruginous hawk	4.E-05	4.E-02	3.E-03	1.E-03	1.E-01
Loggerhead shrike	1.E-02	1.E+01	1.E+00	5.E-01	4.E+01
Avian carnivores (AV322A)	2.E-03	2.E+00	1.E-01	6.E-02	5.E+00
Burrowing Owl	2.E-03	2.E+00	1.E-01	6.E-02	5.E+00
Avian omnivores (AV422)	1.E-01	2.E-01	3.E-01	6.E-01	2.E+01
Mammalian herbivores (M121)	1.E-03	3.E+00	2.E-05	3.E-01	2.E-03
Mammalian herbivores (M122)	8.E-01	1.E+03	2.E-02	1.E+02	1.E+00

**Table I-11.** (continued).

Functional groups	Hazard Quotient (unitless)				
	Arsenic	Cadmium	Chromium(III)	Copper	Lead
Mammalian herbivores (M122A)	8.E-01	1.E+03	4.E-02	1.E+02	2.E+00
Pygmy rabbit	2.E-01	5.E+02	6.E-03	4.E+01	4.E-01
Mammalian herbivores (M123)	5.E-01	8.E+02	3.E-02	7.E+01	1.E+00
Mammalian insectivores (M210)	4.E-01	1.E+02	2.E-03	1.E+01	2.E-01
Mammalian insectivores (M210A)	2.E+00	7.E+02	9.E-03	7.E+01	1.E+00
Townsend's western big-eared bat	1.E+00	5.E+02	6.E-03	5.E+01	9.E-01
Small-footed myotis	2.E+00	7.E+02	9.E-03	7.E+01	1.E+00
Long-eared myotis	2.E+00	6.E+02	8.E-03	6.E+01	1.E+00
Mammalian insectivores (M222)	7.E+00	2.E+03	4.E-02	3.E+02	5.E+00
Mammalian carnivore (M322)	1.E-02	6.E+01	2.E-03	3.E-01	2.E-01
Mammalian omnivores (M422)	2.E+00	2.E+03	5.E-02	1.E+02	3.E+00
Mammalian omnivores (M422A)	4.E-02	2.E+01	5.E-04	2.E+00	5.E-02
Reptilian insectivores (R222)	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA
Plants	3.E-02	1.E+00	4.E+00	2.E+00	1.E-01

Concentrations	Manganese	Mercury	Selenium	Silver	Zinc
Concentration in surface soil	5.70E+02	1.40E+00	1.40E+00	5.70E+00	3.23E+02
Concentration in sub-surface soil	4.71E+02	3.60E-01	2.70E+00	4.80E-01	3.76E+02
Maximum concentration	5.70E+02	1.40E+00	2.70E+00	5.70E+00	3.76E+02
Water concentration (mg/L)	0.00E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Functional groups	Dose (mg/kg-d)				
	Manganese	Mercury	Selenium	Silver	Zinc
Amphibians (A232)	0.00E+01	1.09E-02	2.19E-02	4.37E-02	3.05E+00
Avian herbivores (AV121)	4.28E-00	9.42E-03	7.06E-04	1.70E-02	4.23E+00
Avian herbivores (AV122)	2.61E+01	5.46E-02	1.45E-02	9.81E-02	2.54E+01
Avian insectivores (AV210)	7.35E-00	7.19E-03	3.49E-02	7.24E-02	4.87E+00
Black tern	0.00E+01	1.32E-03	6.98E-03	1.14E-02	9.72E-01
Avian insectivores (AV210A)	2.37E+01	2.44E-02	1.12E-01	2.37E-01	1.57E+01

**Table I-11. (continued).**

Functional groups	Dose (mg/kg-d)				
	Manganese	Mercury	Selenium	Silver	Zinc
Avian insectivores (AV221)	1.10E+02	1.08E-01	5.26E-01	1.08E+00	7.32E+01
Avian insectivores (AV222)	1.58E+02	1.52E-01	7.60E-01	1.47E+00	1.06E+02
Avian insectivores (AV222A)	1.04E+02	1.17E-01	4.94E-01	1.04E+00	6.89E+01
Avian carnivores (AV310)	1.73E-01	2.96E-04	3.67E-05	6.85E-04	8.11E-02
Northern goshawk	2.19E-02	3.73E-05	4.64E-06	8.66E-05	1.02E-02
Peregrine falcon	1.56E-01	2.66E-04	3.31E-05	6.18E-04	7.30E-02
Avian carnivores (AV322)	6.35E-00	1.08E-02	1.34E-03	2.51E-02	2.97E+00
Bald eagle	5.58E-03	9.51E-06	1.18E-06	2.21E-05	2.61E-03
Ferruginous hawk	2.13E-02	3.63E-05	4.51E-06	8.42E-05	9.97E-03
Loggerhead shrike	8.13E-00	1.39E-02	1.72E-03	3.21E-02	3.80E+00
Avian carnivores (AV322A)	9.13E-01	1.59E-03	2.35E-04	3.82E-03	4.27E-01
Burrowing Owl	9.13E-01	1.59E-03	2.35E-04	3.82E-03	4.27E-01
Avian omnivores (AV422)	4.11E-00	7.34E-03	1.44E-02	3.12E-02	3.14E+00
Mammalian herbivores (M121)	4.02E-01	8.79E-04	8.51E-05	1.59E-03	3.97E-01
Mammalian herbivores (M122)	1.69E+02	3.61E-01	7.00E-02	6.50E-01	1.66E+02
Mammalian herbivores (M122A)	1.55E+02	3.46E-01	7.35E-02	6.92E-01	1.50E+02
Pygmy rabbit	6.39E+01	1.42E-01	1.35E-02	2.63E-01	6.28E+01
Mammalian herbivores (M123)	9.66E+01	2.15E-01	4.58E-02	4.31E-01	9.31E+01
Mammalian insectivores (M210)	7.98E-00	7.81E-03	3.79E-02	7.86E-02	5.28E+00
Mammalian insectivores (M210A)	4.21E+01	4.12E-02	2.00E-01	4.15E-01	2.79E+01
Townsend's western big-eared bat	2.95E+01	2.89E-02	1.40E-01	2.93E-01	1.95E+01
Small-footed myotis	4.20E+01	4.12E-02	1.99E-01	4.17E-01	2.78E+01
Long-eared myotis	3.63E+01	3.55E-02	1.73E-01	3.58E-01	2.40E+01
Mammalian insectivores (M222)	1.58E+02	1.61E-01	7.48E-01	1.58E+00	1.04E+02
Mammalian carnivore (M322)	2.36E-00	4.18E-03	1.12E-03	1.05E-02	1.12E+00
Mammalian omnivores (M422)	8.17E+01	1.50E-01	3.49E-01	7.68E-01	5.66E+01
Mammalian omnivores (M422A)	1.11E-00	1.88E-03	4.81E-03	9.61E-03	7.80E-01
Reptilian insectivores (R222)	4.83E-00	4.91E-03	2.29E-02	4.83E-02	3.18E+00
Sagebrush lizard	4.83E-00	4.91E-03	2.29E-02	4.83E-02	3.18E+00
Reptilian carnivores (R322)	4.95E+01	8.69E-02	1.68E-02	2.12E-01	2.33E+01
Plants	5.70E+02	1.26E+00	6.75E-02	2.28E+00	5.64E+02

**Table I-11. (continued).**

Functional groups	Hazard Quotient (unitless)				
	Manganese	Mercury	Selenium	Silver	Zinc
Amphibians (A232)	NA	NA	NA	NA	NA
Avian herbivores (AV121)	6.E-02	2.E+00	5.E-03	1.E-02	3.E-01
Avian herbivores (AV122)	4.E-01	1.E+01	1.E-01	8.E-02	2.E+00
Avian insectivores (AV210)	1.E-01	4.E-02	4.E-01	6.E-02	2.E+00
Black tern	0.E+01	2.E-01	8.E-02	9.E-03	5.E-01
Avian insectivores (AV210A)	3.E-01	2.E-01	1.E+00	2.E-01	8.E+00
Avian insectivores (AV221)	2.E-00	7.E-01	6.E+00	9.E-01	4.E+01
Avian insectivores (AV222)	2.E-00	1.E+00	9.E+00	1.E+00	5.E+01
Avian insectivores (AV222A)	1.E-00	7.E-01	6.E+00	8.E-01	3.E+01
Avian carnivores (AV310)	2.E-03	2.E-03	5.E-04	5.E-04	4.E-02
Northern goshawk	3.E-04	2.E-04	6.E-05	7.E-05	5.E-03
Peregrine falcon	2.E-03	2.E-03	4.E-04	5.E-04	4.E-02
Avian carnivores (AV322)	9.E-02	7.E-02	2.E-02	2.E-02	1.E+00
Bald eagle	8.E-05	6.E-05	2.E-05	2.E-05	1.E-03
Ferruginous hawk	3.E-04	2.E-04	6.E-05	7.E-05	5.E-03
Loggerhead shrike	1.E-01	9.E-02	2.E-02	3.E-02	2.E+00
Avian carnivores (AV322A)	1.E-02	1.E-02	3.E-03	3.E-03	2.E-01
Burrowing Owl	1.E-02	1.E-02	3.E-03	3.E-03	2.E-01
Avian omnivores (AV422)	4.E-02	3.E-02	6.E-01	1.E-02	1.E+00
Mammalian herbivores (M121)	9.E-02	9.E-02	3.E-03	1.E-04	1.E-01
Mammalian herbivores (M122)	4.E+01	4.E+01	3.E+00	5.E-02	4.E+01
Mammalian herbivores (M122A)	4.E+01	4.E+01	3.E+00	5.E-02	4.E+01
Pygmy rabbit	1.E+01	2.E+01	5.E-01	2.E-02	2.E+01
Mammalian herbivores (M123)	2.E+01	2.E+01	2.E+00	3.E-02	2.E+01
Mammalian insectivores (M210)	2.E-00	9.E-01	2.E+00	6.E-03	1.E+00
Mammalian insectivores (M210A)	10.E-00	5.E+00	8.E+00	3.E-02	7.E+00
Townsend's western big-eared bat	7.E-00	3.E+00	6.E+00	2.E-02	5.E+00
Small-footed myotis	10.E-00	5.E+00	8.E+00	3.E-02	7.E+00
Long-eared myotis	8.E-00	4.E+00	7.E+00	3.E-02	6.E+00
Mammalian insectivores (M222)	4.E+01	9.E+01	3.E+01	1.E-01	2.E+01
Mammalian carnivore (M322)	5.E-01	5.E-01	4.E-02	8.E-04	3.E-02
Mammalian omnivores (M422)	1.E+01	1.E+01	9.E+00	5.E-02	9.E+00

**Table I-11.** (continued).

Functional groups	Hazard Quotient (unitless)				
	Manganese	Mercury	Selenium	Silver	Zinc
Mammalian omnivores (M422A)	2.E-01	2.E-01	1.E-01	6.E-04	1.E-01
Reptilian insectivores (R222 )	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA
Plants	1.E-00	4.E+00	NA	1.E+00	NA

**Table I-12. Calculated dose and hazard quotient from nonradionuclides (mg/kg-d) at ARA-16.**

Concentrations	Fluoride
Concentration in surface soil	4.77E+00
Concentration in sub-surface soil	0.00E+00
Maximum concentration	4.77E+00
Water concentration (mg/L)	0.00E+00

  

Functional groups	Dose (mg/kg-d) Fluoride
Amphibians (A232)	1.81E-03
Avian herbivores (AV121)	3.79E-04
Avian herbivores (AV122)	2.14E-03
Avian insectivores (AV210)	6.45E-04
Black tern	9.86E-05
Avian insectivores (AV210A)	2.12E-03
Avian insectivores (AV221)	4.25E-02
Avian insectivores (AV222)	1.96E-02
Avian insectivores (AV222A)	1.31E-02
Avian carnivores (AV310)	1.52E-05
Northern goshawk	1.92E-06
Peregrine falcon	1.37E-05
Avian carnivores (AV322)	5.57E-04
Bald eagle	4.90E-07
Ferruginous hawk	1.87E-06
Loggerhead shrike	7.14E-04
Avian carnivores (AV322A)	8.15E-05
Burrowing Owl	8.15E-05
Avian omnivores (AV422)	3.38E-04
Mammalian herbivores (M121)	3.53E-05
Mammalian herbivores (M122)	3.57E-02
Mammalian herbivores (M122A)	2.65E-02
Pygmy rabbit	1.17E-02
Mammalian herbivores (M123)	2.48E-02
Mammalian insectivores (M210)	7.00E-04
Mammalian insectivores (M210A)	3.69E-03
Townsend's western big-eared bat	2.61E-03
Small-footed myotis	3.72E-03
Long-eared myotis	3.18E-03
Mammalian insectivores (M222)	6.54E-02

**Table I-12.** (continued).

	Dose (mg/kg-d)
<b>Functional groups</b>	<b>Fluoride</b>
Mammalian carnivore (M322)	2.10E-04
Mammalian omnivores (M422)	7.29E-03
Mammalian omnivores (M422A)	9.10E-05
Reptilian insectivores (R222 )	2.12E-03
Sagebrush lizard	2.12E-03
Reptilian carnivores (R322)	4.42E-03
Plants	4.77E+00
	<b>Hazard Quotient (unitless)</b>
<b>Functional groups</b>	<b>Fluoride</b>
Amphibians (A232)	NA
Avian herbivores (AV121)	3.E-04
Avian herbivores (AV122)	2.E-03
Avian insectivores (AV210)	5.E-04
Black tern	8.E-05
Avian insectivores (AV210A)	2.E-03
Avian insectivores (AV221)	3.E-02
Avian insectivores (AV222)	2.E-02
Avian insectivores (AV222A)	1.E-02
Avian carnivores (AV310)	8.E-06
Northern goshawk	1.E-06
Peregrine falcon	7.E-06
Avian carnivores (AV322)	3.E-04
Bald eagle	3.E-07
Ferruginous hawk	1.E-06
Loggerhead shrike	4.E-04
Avian carnivores (AV322A)	4.E-05
Burrowing Owl	4.E-05
Avian omnivores (AV422)	3.E-04
Mammalian herbivores (M121)	3.E-06
Mammalian herbivores (M122)	3.E-03
Mammalian herbivores (M122A)	3.E-03
Pygmy rabbit	1.E-03
Mammalian herbivores (M123)	2.E-03
Mammalian insectivores (M210)	7.E-05
Mammalian insectivores (M210A)	4.E-04



**Table I-12. (continued).**

Functional groups	Hazard Quotient (unitless)
	Fluoride
Townsend's western big-eared bat	2.E-04
Small-footed myotis	4.E-04
Long-eared myotis	3.E-04
Mammalian insectivores (M222)	6.E-03
Mammalian carnivore (M322)	7.E-06
Mammalian omnivores (M422)	7.E-04
Mammalian omnivores (M422A)	9.E-06
Reptilian insectivores (R222 )	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	NA

**Table I-13.** Calculated dose and hazard quotient from nonradionuclides (mg/kg-d) at ARA-25.

Concentrations	Aroclor-1254	Arsenic	Chromium (III)	Cobalt	Copper
Concentration in surface soil	1.60E-01	4.06E+01	9.84E+01	1.04E+02	2.27E+02
Concentration in sub-surface soil	1.60E-01	4.06E+01	9.84E+01	1.04E+02	2.27E+02
Maximum concentration	1.60E-01	4.06E+01	9.84E+01	1.04E+02	2.27E+02
Water concentration (mg/L)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

  

Functional groups	Dose (mg/kg-d)				
	Aroclor-1254	Arsenic	Chromium III	Cobalt	Copper
Amphibians (A232)	5.69E-04	1.44E-01	3.50E-01	3.70E-01	8.07E-01
Avian herbivores (AV121)	2.56E-06	1.43E-03	1.22E-03	7.38E-02	6.54E-02
Avian herbivores (AV122)	7.32E-05	2.30E-02	4.30E-02	4.55E-01	4.53E-01
Avian insectivores (AV210)	3.98E-06	4.95E-02	9.46E-03	1.27E-01	2.77E-01
Black tern	9.76E-06	9.89E-03	7.07E-03	2.53E-02	5.53E-02
Avian insectivores (AV210A)	1.91E-05	1.59E-01	3.41E-02	4.08E-01	8.91E-01
Avian insectivores (AV221)	3.95E-04	3.30E+00	7.05E-01	8.44E+00	1.84E+01
Avian insectivores (AV222)	6.00E-04	1.63E+00	5.82E-01	4.18E+00	9.11E+00
Avian insectivores (AV222A)	3.62E-04	9.83E-01	3.51E-01	2.52E+00	5.50E+00
Avian carnivores (AV310)	9.39E-08	6.92E-05	6.12E-04	2.99E-03	1.41E-03
Northern goshawk	1.19E-08	8.74E-06	7.73E-05	3.78E-04	1.78E-04
Peregrine falcon	8.46E-08	6.23E-05	5.51E-04	2.70E-03	1.27E-03
Avian carnivores (AV322)	3.44E-06	2.53E-03	2.24E-02	1.10E-01	5.17E-02
Bald eagle	3.02E-09	2.23E-06	1.97E-05	9.64E-05	4.54E-05
Ferruginous hawk	1.15E-08	8.51E-06	7.52E-05	3.68E-04	1.74E-04
Loggerhead shrike	4.40E-06	3.24E-03	2.87E-02	1.40E-01	6.62E-02
Avian carnivores (AV322A)	7.34E-07	4.22E-04	3.33E-03	1.57E-02	7.68E-03
Burrowing Owl	7.34E-07	4.22E-04	3.33E-03	1.57E-02	7.68E-03
Avian omnivores (AV422)	1.07E-05	2.05E-02	1.50E-02	7.19E-02	1.31E-01
Mammalian herbivores (M121)	3.46E-07	1.60E-04	1.80E-04	6.94E-03	6.24E-03
Mammalian herbivores (M122)	8.47E-04	2.88E-01	4.87E-01	7.35E+00	7.02E+00
Mammalian herbivores (M122A)	6.98E-04	2.27E-01	4.06E-01	5.11E+00	4.98E+00
Pygmy rabbit	1.13E-04	5.22E-02	5.84E-02	2.26E+00	2.03E+00
Mammalian herbivores (M123)	6.52E-04	2.12E-01	3.79E-01	4.78E+00	4.65E+00
Mammalian insectivores (M210)	4.32E-06	5.38E-02	1.03E-02	1.38E-01	3.01E-01
Mammalian insectivores (M210A)	2.28E-05	2.84E-01	5.42E-02	7.27E-01	1.59E+00
Townsend's western big-eared bat	8.13E-06	1.98E-01	3.34E-02	5.08E-01	1.11E+00
Small-footed myotis	1.16E-05	2.83E-01	4.75E-02	7.24E-01	1.58E+00
Long-eared myotis	1.96E-05	2.45E-01	4.67E-02	6.26E-01	1.37E+00
Mammalian insectivores (M222)	4.73E-04	4.92E+00	9.84E-01	1.26E+01	2.75E+01
Mammalian carnivore (M322)	4.82E-06	1.80E-03	1.00E-02	4.05E-02	2.31E-02
Mammalian omnivores (M422)	2.07E-04	4.96E-01	3.41E-01	1.41E+00	2.88E+00
Mammalian omnivores (M422A)	2.85E-06	6.83E-03	4.69E-03	1.94E-02	3.97E-02
Reptilian insectivores (R222)	1.53E-05	1.59E-01	3.19E-02	4.08E-01	8.90E-01
Sagebrush lizard	1.53E-05	1.59E-01	3.19E-02	4.08E-01	8.90E-01
Reptilian carnivores (R322)	6.34E-05	2.86E-02	1.92E-01	8.52E-01	4.43E-01
Plants	2.03E-03	1.62E+00	7.38E-01	1.04E+02	9.08E+01

**Table I-13.** (continued).

Functional groups	Hazard Quotient (unitless)				
	Aroclor-1254	Arsenic	Chromium III	Cobalt	Copper
Amphibians (A232)	NA	NA	NA	NA	NA
Avian herbivores (AV121)	6.E-05	2.E-03	9.E-04	4.E-01	2.E-02
Avian herbivores (AV122)	2.E-03	4.E-02	3.E-02	2.E+00	1.E-01
Avian insectivores (AV210)	1.E-04	8.E-02	7.E-03	6.E-01	7.E-02
Black tern	2.E-04	8.E-03	5.E-03	1.E-01	1.E-02
Avian insectivores (AV210A)	5.E-04	3.E-01	3.E-02	2.E+00	2.E-01
Avian insectivores (AV221)	1.E-02	5.E+00	5.E-01	4.E+01	5.E+00
Avian insectivores (AV222)	1.E-02	3.E+00	4.E-01	2.E+01	2.E+00
Avian insectivores (AV222A)	9.E-03	2.E+00	3.E-01	1.E+01	1.E+00
Avian carnivores (AV310)	4.E-05	2.E-04	4.E-04	1.E-02	4.E-04
Northern goshawk	5.E-06	2.E-05	6.E-05	2.E-03	5.E-05
Peregrine falcon	3.E-05	2.E-04	4.E-04	1.E-02	3.E-04
Avian carnivores (AV322)	1.E-03	6.E-03	2.E-02	5.E-01	1.E-02
Bald eagle	1.E-06	5.E-06	1.E-05	5.E-04	1.E-05
Ferruginous hawk	5.E-06	2.E-05	6.E-05	2.E-03	4.E-05
Loggerhead shrike	2.E-03	8.E-03	2.E-02	7.E-01	2.E-02
Avian carnivores (AV322A)	3.E-04	1.E-03	2.E-03	7.E-02	2.E-03
Burrowing Owl	3.E-04	1.E-03	2.E-03	7.E-02	2.E-03
Avian omnivores (AV422)	3.E-03	5.E-02	7.E-03	2.E-01	2.E-02
Mammalian herbivores (M121)	8.E-06	6.E-04	7.E-07	5.E-02	1.E-02
Mammalian herbivores (M122)	2.E-02	1.E+00	2.E-03	5.E+01	1.E+01
Mammalian herbivores (M122A)	2.E-02	8.E-01	2.E-03	4.E+01	8.E+00
Pygmy rabbit	2.E-03	2.E-01	2.E-04	2.E+01	3.E+00
Mammalian herbivores (M123)	1.E-02	8.E-01	2.E-03	3.E+01	7.E+00
Mammalian insectivores (M210)	9.E-05	2.E-01	4.E-05	1.E+00	5.E-01
Mammalian insectivores (M210A)	5.E-04	1.E+00	2.E-04	5.E+00	2.E+00
Townsend's western big-eared bat	2.E-04	7.E-01	1.E-04	4.E+00	2.E+00
Small-footed myotis	3.E-04	1.E+00	2.E-04	5.E+00	2.E+00
Long-eared myotis	4.E-04	9.E-01	2.E-04	4.E+00	2.E+00
Mammalian insectivores (M222)	1.E-02	2.E+01	4.E-03	9.E+01	4.E+01
Mammalian carnivore (M322)	4.E-05	7.E-03	4.E-05	3.E-01	1.E-02
Mammalian omnivores (M422)	1.E-03	1.E+00	9.E-04	7.E+00	4.E+00
Mammalian omnivores (M422A)	2.E-05	2.E-02	1.E-05	5.E-03	6.E-02
Reptilian insectivores (R222)	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA
Plants	NA	2.E-01	7.E-01	6.E-01	9.E-01

  

Concentrations	Lead	Manganese	Mercury	Nickel	Selenium
Concentration in surface soil	1.43E+03	1.40E+03	9.70E-02	3.88E+01	6.59E-01
Concentration in sub-surface soil	1.43E+03	1.40E+03	9.70E-02	3.88E+01	6.59E-01
Maximum concentration	1.43E+03	1.40E+03	9.70E-02	3.88E+01	6.59E-01
Water concentration (mg/L)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

**Table I-13. (continued).**

Functional groups	Dose (mg/kg-d)				
	Lead	Manganese	Mercury	Nickel	Selenium
Amphibians (A232)	5.09E+00	4.98E+00	3.45E-04	1.38E-01	2.34E-03
Avian herbivores (AV121)	5.53E-02	9.93E-01	6.20E-05	1.91E-03	1.62E-05
Avian herbivores (AV122)	8.38E-01	6.13E+00	3.86E-04	2.50E-02	3.34E-04
Avian insectivores (AV210)	5.48E-01	1.71E+00	4.87E-05	4.73E-02	8.04E-04
Black tern	1.66E-01	3.41E-01	1.30E-05	9.46E-03	1.61E-04
Avian insectivores (AV210A)	1.80E+00	5.49E+00	1.59E-04	1.52E-01	2.59E-03
Avian insectivores (AV221)	3.73E+01	1.14E+02	3.29E-03	3.15E+00	5.35E-02
Avian insectivores (AV222)	2.10E+01	5.62E+01	1.78E-03	1.56E+00	2.65E-02
Avian insectivores (AV222A)	1.26E+01	3.39E+01	1.07E-03	9.39E-01	1.60E-02
Avian carnivores (AV310)	2.50E-02	4.03E-02	1.97E-06	2.89E-05	8.44E-07
Northern goshawk	3.16E-03	5.09E-03	2.49E-07	3.65E-06	1.07E-07
Peregrine falcon	2.26E-02	3.63E-02	1.78E-06	2.60E-05	7.61E-07
Avian carnivores (AV322)	9.17E-01	1.48E+00	7.22E-05	1.06E-03	3.09E-05
Bald eagle	8.06E-04	1.30E-03	6.35E-08	9.31E-07	2.72E-08
Ferruginous hawk	3.08E-03	4.95E-03	2.42E-07	3.55E-06	1.04E-07
Loggerhead shrike	1.17E+00	1.89E+00	9.24E-05	1.36E-03	3.96E-05
Avian carnivores (AV322A)	1.32E-01	2.11E-01	1.04E-05	2.10E-04	5.40E-06
Burrowing Owl	1.32E-01	2.11E-01	1.04E-05	2.10E-04	5.40E-06
Avian omnivores (AV422)	4.76E-01	9.68E-01	5.26E-05	1.98E-02	3.31E-04
Mammalian herbivores (M121)	6.12E-03	9.34E-02	5.84E-06	2.04E-04	1.96E-06
Mammalian herbivores (M122)	1.06E+01	9.89E+01	6.21E-03	3.27E-01	4.02E-03
Mammalian herbivores (M122A)	8.33E+00	6.88E+01	4.33E-03	2.52E-01	3.24E-03
Pygmy rabbit	1.99E+00	3.04E+01	1.90E-03	6.63E-02	6.36E-04
Mammalian herbivores (M123)	7.79E+00	6.43E+01	4.04E-03	2.36E-01	3.03E-03
Mammalian insectivores (M210)	5.95E-01	1.85E+00	5.29E-05	5.14E-02	8.73E-04
Mammalian insectivores (M210A)	3.14E+00	9.78E+00	2.79E-04	2.71E-01	4.60E-03
Townsend's western big-eared bat	2.15E+00	6.84E+00	1.92E-04	1.90E-01	3.22E-03
Small-footed myotis	3.06E+00	9.75E+00	2.74E-04	2.70E-01	4.59E-03
Long-eared myotis	2.70E+00	8.43E+00	2.41E-04	2.34E-01	3.97E-03
Mammalian insectivores (M222)	5.49E+01	1.70E+02	4.87E-03	4.70E+00	7.98E-02
Mammalian carnivore (M322)	3.51E-01	5.45E-01	2.73E-05	1.25E-03	2.57E-05
Mammalian omnivores (M422)	1.12E+01	1.89E+01	9.81E-04	4.75E-01	8.04E-03

**Table I-13. (continued).**

Mammalian omnivores (M422A)	1.55E-01	2.61E-01	1.35E-05	6.54E-03	1.11E-04
Reptilian insectivores (R222)	1.78E+00	5.49E+00	1.58E-04	1.52E-01	2.58E-03
Sagebrush lizard	1.78E+00	5.49E+00	1.58E-04	1.52E-01	2.58E-03
Reptilian carnivores (R322)	7.25E+00	1.15E+01	5.68E-04	1.71E-02	3.88E-04
Plants	6.44E+01	1.40E+03	8.73E-02	2.33E+00	1.65E-02

Functional groups	Hazard Quotient (unitless)				
	Lead	Manganese	Mercury	Nickel	Selenium
Amphibians (A232)	NA	NA	NA	NA	NA
Avian herbivores (AV121)	2.E+00	1.E-02	2.E-02	2.E-04	1.E-04
Avian herbivores (AV122)	3.E+01	9.E-02	1.E-01	3.E-03	3.E-03
Avian insectivores (AV210)	1.E+01	2.E-02	3.E-04	2.E-02	1.E-02
Black tern	6.E+00	5.E-03	2.E-03	5.E-03	2.E-03
Avian insectivores (AV210A)	2.E+01	8.E-02	1.E-03	7.E-02	3.E-02
Avian insectivores (AV221)	9.E+02	2.E+00	2.E-02	2.E+00	6.E-01
Avian insectivores (AV222)	5.E+02	8.E-01	1.E-02	8.E-01	3.E-01
Avian insectivores (AV222A)	3.E+02	5.E-01	7.E-03	5.E-01	2.E-01
Avian carnivores (AV310)	8.E-01	6.E-04	1.E-05	1.E-05	1.E-05
Northern goshawk	8.E-02	7.E-05	2.E-06	2.E-06	1.E-06
Peregrine falcon	6.E-01	5.E-04	1.E-05	1.E-05	1.E-05
Avian carnivores (AV322)	3.E+01	2.E-02	5.E-04	5.E-04	4.E-04
Bald eagle	3.E-02	2.E-05	4.E-07	5.E-07	3.E-07
Ferruginous hawk	1.E-01	7.E-05	2.E-06	2.E-06	1.E-06
Loggerhead shrike	4.E+01	3.E-02	6.E-04	7.E-04	5.E-04
Avian carnivores (AV322A)	4.E+00	3.E-03	6.E-05	1.E-04	7.E-05
Burrowing Owl	4.E+00	3.E-03	6.E-05	1.E-04	7.E-05
Avian omnivores (AV422)	2.E+01	9.E-03	2.E-04	6.E-03	1.E-02
Mammalian herbivores (M121)	2.E-03	3.E-03	6.E-04	2.E-04	8.E-05
Mammalian herbivores (M122)	4.E+00	3.E+00	7.E-01	4.E-01	2.E-01
Mammalian herbivores (M122A)	3.E+00	2.E+00	5.E-01	3.E-01	1.E-01
Pygmy rabbit	7.E-01	1.E+00	2.E-01	8.E-02	3.E-02
Mammalian herbivores (M123)	3.E+00	2.E+00	4.E-01	3.E-01	1.E-01
Mammalian insectivores (M210)	2.E-01	6.E-02	6.E-03	6.E-02	3.E-02
Mammalian insectivores (M210A)	1.E+00	3.E-01	3.E-02	3.E-01	2.E-01
Townsend's western big-eared bat	8.E-01	2.E-01	2.E-02	2.E-01	1.E-01

**Table I-13. (continued).**

Small-footed myotis	1.E+00	3.E-01	3.E-02	3.E-01	2.E-01
Long-eared myotis	1.E+00	3.E-01	3.E-02	3.E-01	2.E-01
Mammalian insectivores (M222)	2.E+01	6.E+00	3.E+00	6.E+00	3.E+00
Mammalian carnivore (M322)	1.E-01	2.E-02	3.E-03	2.E-03	1.E-03
Mammalian omnivores (M422)	3.E+00	4.E-01	8.E-02	4.E-01	2.E-01
Mammalian omnivores (M422A)	5.E-02	6.E-03	1.E-03	5.E-04	3.E-03
Reptilian insectivores (R222)	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA
Plants	1.E+00	3.E+00	3.E-01	8.E-02	2.E-02
<b>Concentrations</b>	<b>Aroclor-1254</b>	<b>Arsenic</b>	<b>Chromium (III)</b>	<b>Cobalt</b>	<b>Copper</b>
Concentration in surface soil	1.60E-01	4.06E+01	9.84E+01	1.04E+02	2.27E+02
Concentration in sub-surface soil	1.60E-01	4.06E+01	9.84E+01	1.04E+02	2.27E+02
Maximum concentration	1.60E-01	4.06E+01	9.84E+01	1.04E+02	2.27E+02
Water concentration (mg/L)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			<b>Dose (mg/kg-d)</b>		
<b>Functional groups</b>	<b>Aroclor-1254</b>	<b>Arsenic</b>	<b>Chromium III</b>	<b>Cobalt</b>	<b>Copper</b>
Amphibians (A232)	5.69E-04	1.44E-01	3.50E-01	3.70E-01	8.07E-01
Avian herbivores (AV121)	2.56E-06	1.43E-03	1.22E-03	7.38E-02	6.54E-02
Avian herbivores (AV122)	7.32E-05	2.30E-02	4.30E-02	4.55E-01	4.53E-01
Avian insectivores (AV210)	3.98E-06	4.95E-02	9.46E-03	1.27E-01	2.77E-01
Black tern	9.76E-06	9.89E-03	7.07E-03	2.53E-02	5.53E-02
Avian insectivores (AV210A)	1.91E-05	1.59E-01	3.41E-02	4.08E-01	8.91E-01
Avian insectivores (AV221)	3.95E-04	3.30E+00	7.05E-01	8.44E+00	1.84E+01
Avian insectivores (AV222)	6.00E-04	1.63E+00	5.82E-01	4.18E+00	9.11E+00
Avian insectivores (AV222A)	3.62E-04	9.83E-01	3.51E-01	2.52E+00	5.50E+00
Avian carnivores (AV310)	9.39E-08	6.92E-05	6.12E-04	2.99E-03	1.41E-03
Northern goshawk	1.19E-08	8.74E-06	7.73E-05	3.78E-04	1.78E-04
Peregrine falcon	8.46E-08	6.23E-05	5.51E-04	2.70E-03	1.27E-03
Avian carnivores (AV322)	3.44E-06	2.53E-03	2.24E-02	1.10E-01	5.17E-02
Bald eagle	3.02E-09	2.23E-06	1.97E-05	9.64E-05	4.54E-05
Ferruginous hawk	1.15E-08	8.51E-06	7.52E-05	3.68E-04	1.74E-04
Loggerhead shrike	4.40E-06	3.24E-03	2.87E-02	1.40E-01	6.62E-02
Avian carnivores (AV322A)	7.34E-07	4.22E-04	3.33E-03	1.57E-02	7.68E-03
Burrowing Owl	7.34E-07	4.22E-04	3.33E-03	1.57E-02	7.68E-03
Avian omnivores (AV422)	1.07E-05	2.05E-02	1.50E-02	7.19E-02	1.31E-01
Mammalian herbivores (M121)	3.46E-07	1.60E-04	1.80E-04	6.94E-03	6.24E-03
Mammalian herbivores (M122)	8.47E-04	2.88E-01	4.87E-01	7.35E+00	7.02E+00
Mammalian herbivores (M122A)	6.98E-04	2.27E-01	4.06E-01	5.11E+00	4.98E+00
Pygmy rabbit	1.13E-04	5.22E-02	5.84E-02	2.26E+00	2.03E+00
Mammalian herbivores (M123)	6.52E-04	2.12E-01	3.79E-01	4.78E+00	4.65E+00
Mammalian insectivores (M210)	4.32E-06	5.38E-02	1.03E-02	1.38E-01	3.01E-01

**Table I-13. (continued).**

Mammalian insectivores (M210A)	2.28E-05	2.84E-01	5.42E-02	7.27E-01	1.59E+00
Townsend's western big-eared bat	8.13E-06	1.98E-01	3.34E-02	5.08E-01	1.11E+00
Small-footed myotis	1.16E-05	2.83E-01	4.75E-02	7.24E-01	1.58E+00
Long-eared myotis	1.96E-05	2.45E-01	4.67E-02	6.26E-01	1.37E+00
Mammalian insectivores (M222)	4.73E-04	4.92E+00	9.84E-01	1.26E+01	2.75E+01
Mammalian carnivore (M322)	4.82E-06	1.80E-03	1.00E-02	4.05E-02	2.31E-02
Mammalian omnivores (M422)	2.07E-04	4.96E-01	3.41E-01	1.41E+00	2.88E+00
Mammalian omnivores (M422A)	2.85E-06	6.83E-03	4.69E-03	1.94E-02	3.97E-02
Reptilian insectivores (R222 )	1.53E-05	1.59E-01	3.19E-02	4.08E-01	8.90E-01
Sagebrush lizard	1.53E-05	1.59E-01	3.19E-02	4.08E-01	8.90E-01
Reptilian carnivores (R322)	6.34E-05	2.86E-02	1.92E-01	8.52E-01	4.43E-01
Plants	2.03E-03	1.62E+00	7.38E-01	1.04E+02	9.08E+01

Functional groups	Hazard Quotient (unitless)				
	Aroclor-1254	Arsenic	Chromium III	Cobalt	Copper
Amphibians (A232)	NA	NA	NA	NA	NA
Avian herbivores (AV121)	6.E-05	2.E-03	9.E-04	4.E-01	2.E-02
Avian herbivores (AV122)	2.E-03	4.E-02	3.E-02	2.E+00	1.E-01
Avian insectivores (AV210)	1.E-04	8.E-02	7.E-03	6.E-01	7.E-02
Black tern	2.E-04	8.E-03	5.E-03	1.E-01	1.E-02
Avian insectivores (AV210A)	5.E-04	3.E-01	3.E-02	2.E+00	2.E-01
Avian insectivores (AV221)	1.E-02	5.E+00	5.E-01	4.E+01	5.E+00
Avian insectivores (AV222)	1.E-02	3.E+00	4.E-01	2.E+01	2.E+00
Avian insectivores (AV222A)	9.E-03	2.E+00	3.E-01	1.E+01	1.E+00
Avian carnivores (AV310)	4.E-05	2.E-04	4.E-04	1.E-02	4.E-04
Northern goshawk	5.E-06	2.E-05	6.E-05	2.E-03	5.E-05
Peregrine falcon	3.E-05	2.E-04	4.E-04	1.E-02	3.E-04
Avian carnivores (AV322)	1.E-03	6.E-03	2.E-02	5.E-01	1.E-02
Bald eagle	1.E-06	5.E-06	1.E-05	5.E-04	1.E-05
Ferruginous hawk	5.E-06	2.E-05	6.E-05	2.E-03	4.E-05
Loggerhead shrike	2.E-03	8.E-03	2.E-02	7.E-01	2.E-02
Avian carnivores (AV322A)	3.E-04	1.E-03	2.E-03	7.E-02	2.E-03
Burrowing Owl	3.E-04	1.E-03	2.E-03	7.E-02	2.E-03
Avian omnivores (AV422)	3.E-03	5.E-02	7.E-03	2.E-01	2.E-02
Mammalian herbivores (M121)	8.E-06	6.E-04	7.E-07	5.E-02	1.E-02
Mammalian herbivores (M122)	2.E-02	1.E+00	2.E-03	5.E+01	1.E+01
Mammalian herbivores (M122A)	2.E-02	8.E-01	2.E-03	4.E+01	8.E+00
Pygmy rabbit	2.E-03	2.E-01	2.E-04	2.E+01	3.E+00
Mammalian herbivores (M123)	1.E-02	8.E-01	2.E-03	3.E+01	7.E+00
Mammalian insectivores (M210)	9.E-05	2.E-01	4.E-05	1.E+00	5.E-01
Mammalian insectivores (M210A)	5.E-04	1.E+00	2.E-04	5.E+00	2.E+00
Townsend's western big-eared bat	2.E-04	7.E-01	1.E-04	4.E+00	2.E+00
Small-footed myotis	3.E-04	1.E+00	2.E-04	5.E+00	2.E+00
Long-eared myotis	4.E-04	9.E-01	2.E-04	4.E+00	2.E+00
Mammalian insectivores (M222)	1.E-02	2.E+01	4.E-03	9.E+01	4.E+01
Mammalian carnivore (M322)	4.E-05	7.E-03	4.E-05	3.E-01	1.E-02
Mammalian omnivores (M422)	1.E-03	1.E+00	9.E-04	7.E+00	4.E+00
Mammalian omnivores (M422A)	2.E-05	2.E-02	1.E-05	5.E-03	6.E-02
Reptilian insectivores (R222 )	NA	NA	NA	NA	NA

**Table I-13. (continued).**

Sagebrush lizard	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA
Plants	NA	2.E-01	7.E-01	6.E-01	9.E-01

Concentrations	Silver	Vanadium	Zinc
Concentration in surface soil	7.24E+00	1.04E+02	8.55E+02
Concentration in sub-surface soil	7.24E+00	1.04E+02	8.55E+02
Maximum concentration	7.24E+00	1.04E+02	8.55E+02
Water concentration (mg/L)	0.00E+00	0.00E+00	0.00E+00

Functional groups	Dose (mg/kg-d)		
	Silver	Vanadium	Zinc
Amphibians (A232)	2.57E-02	3.70E-01	3.04E+00
Avian herbivores (AV121)	2.09E-03	1.14E-03	9.07E-01
Avian herbivores (AV122)	1.45E-02	4.46E-02	5.44E+00
Avian insectivores (AV210)	8.83E-03	1.27E-01	1.04E+00
Black tern	1.76E-03	2.53E-02	2.08E-01
Avian insectivores (AV210A)	2.84E-02	4.08E-01	3.36E+00
Avian insectivores (AV221)	5.88E-01	8.44E+00	6.94E+01
Avian insectivores (AV222)	2.91E-01	4.18E+00	3.43E+01
Avian insectivores (AV222A)	1.75E-01	2.52E+00	2.07E+01
Avian carnivores (AV310)	8.59E-05	7.60E-05	1.74E-02
Northern goshawk	1.08E-05	9.60E-06	2.20E-03
Peregrine falcon	7.74E-05	6.85E-05	1.57E-02
Avian carnivores (AV322)	3.15E-03	2.78E-03	6.36E-01
Bald eagle	2.76E-06	2.45E-06	5.59E-04
Ferruginous hawk	1.06E-05	9.34E-06	2.14E-03
Loggerhead shrike	4.03E-03	3.56E-03	8.15E-01
Avian carnivores (AV322A)	4.57E-04	5.55E-04	9.16E-02
Burrowing Owl	4.57E-04	5.55E-04	9.16E-02
Avian omnivores (AV422)	4.16E-03	5.19E-02	6.74E-01
Mammalian herbivores (M121)	1.99E-04	1.76E-04	8.50E-02
Mammalian herbivores (M122)	2.24E-01	5.01E-01	8.87E+01
Mammalian herbivores (M122A)	1.59E-01	4.20E-01	6.14E+01
Pygmy rabbit	6.47E-02	5.73E-02	2.76E+01
Mammalian herbivores (M123)	1.48E-01	3.92E-01	5.74E+01
Mammalian insectivores (M210)	9.59E-03	1.38E-01	1.13E+00



**Table I-13. (continued).**

Mammalian insectivores (M210A)	5.06E-02	7.27E-01	5.97E+00
Townsend's western big-eared bat	3.54E-02	5.08E-01	4.18E+00
Small-footed myotis	5.04E-02	7.24E-01	5.95E+00
Long-eared myotis	4.36E-02	6.26E-01	5.15E+00
Mammalian insectivores (M222)	8.77E-01	1.26E+01	1.04E+02
Mammalian carnivore (M322)	1.26E-03	3.33E-03	2.41E-01
Mammalian omnivores (M422)	9.20E-02	1.27E+00	1.21E+01
Mammalian omnivores (M422A)	1.27E-03	1.74E-02	1.67E-01
Reptilian insectivores (R222)	2.84E-02	4.08E-01	3.35E+00
Sagebrush lizard	2.84E-02	4.08E-01	3.35E+00
Reptilian carnivores (R322)	2.54E-02	4.53E-02	5.00E+00
Plants	2.90E+00	5.72E-01	1.28E+03

Functional groups	Hazard Quotient (unitless)		
	Silver	Vanadium	Zinc
Amphibians (A232)	NA	NA	NA
Avian herbivores (AV121)	2.E-03	9.E-03	7.E-02
Avian herbivores (AV122)	1.E-02	3.E-01	4.E-01
Avian insectivores (AV210)	7.E-03	2.E+00	5.E-01
Black tern	1.E-03	3.E-01	1.E-01
Avian insectivores (AV210A)	2.E-02	5.E+00	2.E+00
Avian insectivores (AV221)	5.E-01	1.E+02	3.E+01
Avian insectivores (AV222)	2.E-01	5.E+01	2.E+01
Avian insectivores (AV222A)	1.E-01	3.E+01	1.E+01
Avian carnivores (AV310)	7.E-05	1.E-03	9.E-03
Northern goshawk	9.E-06	1.E-04	1.E-03
Peregrine falcon	6.E-05	9.E-04	8.E-03
Avian carnivores (AV322)	3.E-03	3.E-02	3.E-01
Bald eagle	2.E-06	3.E-05	3.E-04
Ferruginous hawk	8.E-06	1.E-04	1.E-03
Loggerhead shrike	3.E-03	4.E-02	4.E-01
Avian carnivores (AV322A)	4.E-04	7.E-03	5.E-02
Burrowing Owl	4.E-04	7.E-03	5.E-02
Avian omnivores (AV422)	2.E-03	6.E-01	2.E-01
Mammalian herbivores (M121)	1.E-05	1.E-03	2.E-02
Mammalian herbivores (M122)	2.E-02	3.E+00	2.E+01

**Table I-13. (continued).**

Mammalian herbivores (M122A)	1.E-02	3.E+00	1.E+01
Pygmy rabbit	5.E-03	4.E-01	7.E+00
Mammalian herbivores (M123)	1.E-02	3.E+00	1.E+01
Mammalian insectivores (M210)	7.E-04	9.E-01	3.E-01
Mammalian insectivores (M210A)	4.E-03	5.E+00	1.E+00
Townsend's western big-eared bat	3.E-03	3.E+00	1.E+00
Small-footed myotis	4.E-03	5.E+00	1.E+00
Long-eared myotis	3.E-03	4.E+00	1.E+00
Mammalian insectivores (M222)	6.E-02	8.E+01	2.E+01
Mammalian carnivore (M322)	9.E-05	2.E-02	7.E-03
Mammalian omnivores (M422)	5.E-03	6.E+00	2.E+00
Mammalian omnivores (M422A)	7.E-05	8.E-02	3.E-02
Reptilian insectivores (R222 )	NA	NA	NA
Sagebrush lizard	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA
Plants	1.E+00	3.E-03	3.E+01