Attachment 2

Summary of WAG ERA Inorganics

Attachment 2

Summary of WAG ERA Inorganics

NOTE: WAG 2, 3, 4, 5, and 9 ERAs were assessed using functional groups. However, the WAG 6 & 10 ERA evaluated individual receptors within functional groups. The mourning dove was assessed for risk representing the avian herbivores (AV122) functional group; the blue-winged teal representing the avian herbivores (AV143) functional group; the sage sparrow representing the avian insectivores (AV222) functional group; the black-billed magpie representing the avian omnivores (AV422) functional group; the mule deer representing the mammalian herbivores (M122) functional group; the coyote representing the mammalian carnivore (M322) functional group; and the deer mouse representing the mammalian omnivores (M422) functional group. As footnoted with "a" in the tables, below, risk estimates to individual receptor are presented with the associated functional groups. The footnotes apply to WAGs 6&10 only. The individual receptors associated with the functional groups are provided below.

Receptors of concern and associated functional groups.

Class	Functional Group	Receptor Taxonomic Name	Receptor Common Name
Avian herbivores	AV122	*Zenaida macroura*	Mourning dove
Avian (aquatic) herbivores	AV143	*Anas discors*	Blue-winged teal
Avian insectivores	AV222	*Amphispiza belli*	Sage sparrow
Avian carnivores	AV322	*Buteo regalis*	Ferruginous hawk
—	—	*Lanius ludovicianus*	Loggerhead shrike
Avian carnivores	AV322A	*Athene cunicularia*	Burrowing owl
Avian omnivores	AV422	*Pica pica*	Black-billed magpie
Mammalian herbivores	M122	*Odocoileus hemionus*	Mule deer
Mammalian herbivores	M122A	*Brachylagus idahoensis*	Pygmy rabbit
Mammalian insectivores	M210A	*Plecotus townsendii*	Townsend's western big-eared bat
Mammalian omnivores	M422	*Peromyscus maniculatus*	Deer mouse
Mammalian carnivores	M422A (M322)	*Canis latrans*	Coyote
Reptilian insectivores	R222	*Sceloporus graciosus*	Sagebrush lizard
All vegetation	—	—	Plants

In the following tables, "NA" means not assessed, not applicable, or not available (such as analytical sample results or toxicity data were lacking). "NC" indicates that a risk estimate was not calculated. Risks expressed as hazard quotients (HQs) are presented for both maximum and average soil concentrations.

Table A2-1. Average HQs across selected WAGs for Arsenic.

Average HQs	*Arsenic*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	4.19E-02	9.85E-03	3.80E-03	1.16E-02	5.21E-03	NC	6.07E-03	NC
Avian herbivores (AV122)	3.85E-01	1.58E-01	6.05E-02	1.79E-01	8.30E-02	NC	8.34E-02	NC
Avian herbivores (AV132)	0.00E+00	1.50E-06	0.00E+00	NC	0.00E+00	NC	8.55E-04	NC
Avian herbivores (AV142)	0.00E+00	4.54E-07	0.00E+00	NC	0.00E+00	NC	5.23E-04	NC
Avian herbivores (AV143)	0.00E+00	1.22E-06	0.00E+00	NC	0.00E+00	NC	1.40E-03	NC
Trumpeter swan	0.00E+00	3.84E-03	0.00E+00	NC	0.00E+00	NC	1.63E-03	NC
Avian insectivores (AV210)	1.73E+00	3.52E-01	1.89E-01	4.20E-01	1.87E-01	NC	1.41E-01	NC
Black tern	1.38E-01	7.04E-02	3.76E-02	3.96E-02	1.79E-02	NC	2.68E-02	NC
Avian insectivores (AV210A)	5.63E+00	1.13E+00	2.91E-01	1.35E+00	6.02E-01	NC	4.55E-01	NC
Avian insectivores (AV221)	1.51E+01	3.51E+00	1.40E+00	3.95E+00	2.43E+00	NC	2.62E+00	NC
Avian insectivores (AV222)	2.09E+01	3.79E+00	1.25E+00	5.07E+00	3.10E+00	NC	3.00E+00	NC
Avian insectivores (AV222A)	1.45E+01	2.42E+00	7.80E-01	3.30E+00	1.96E+00	NC	1.95E+00	NC
Avian insectivores (AV232)	0.00E+00	5.07E-07	0.00E+00	NC	0.00E+00	NC	1.86E-04	NC
Avian insectivores (AV233)	0.00E+00	3.99E-07	0.00E+00	NC	0.00E+00	NC	1.46E-04	NC
White-faced ibis	0.00E+00	1.17E-06	0.00E+00	NC	0.00E+00	NC	4.29E-04	NC
Avian insectivores (AV241)	0.00E+00	4.61E-07	0.00E+00	NC	0.00E+00	NC	1.69E-04	NC
Avian insectivores (AV242)	0.00E+00	1.59E-06	0.00E+00	NC	0.00E+00	NC	5.80E-04	NC
Avian carnivores (AV310)	2.81E-03	7.49E-04	1.66E-03	8.66E-04	3.93E-04	NC	1.24E-03	NC
Northern goshawk	3.55E-04	9.62E-05	3.54E-03	1.09E-04	4.96E-05	NC	5.31E-04	NC
Peregrine falcon	2.53E-03	6.73E-04	1.92E-02	7.80E-04	3.54E-04	NC	6.26E-04	NC
Avian carnivores (AV322)	1.03E-01	2.73E-02	1.54E-02	3.17E-02	1.44E-02	NC	1.12E-02	NC
Bald eagle	9.05E-05	2.74E-05	5.34E-05	2.79E-05	1.26E-05	NC	1.26E-03	NC
Ferruginous hawk	3.46E-04	9.71E-05	2.04E-04	1.06E-04	4.83E-05	NC	2.06E-03	NC
Loggerhead shrike	1.32E-01	3.49E-02	1.24E-02	4.06E-02	1.84E-02	NC	1.36E-02	NC
Avian carnivores (AV322A)	2.25E-02	4.54E-03	2.78E-03	5.42E-03	2.41E-03	NC	2.24E-03	NC
Burrowing Owl	2.25E-02	4.54E-03	2.78E-03	5.42E-03	2.41E-03	NC	2.24E-03	NC
Avian carnivores (AV333)	0.00E+00	1.17E-06	0.00E+00	NC	0.00E+00	NC	4.29E-04	NC
Avian carnivores (AV342)	0.00E+00	1.85E-06	0.00E+00	NC	0.00E+00	NC	6.76E-04	NC
Avian omnivores (AV422)	9.98E-01	2.21E-01	1.45E-01	2.61E-01	1.17E-01	NC	8.74E-02	NC
Avian omnivores (AV432)	0.00E+00	1.43E-06	0.00E+00	NC	0.00E+00	NC	5.23E-04	NC
Avian omnivores (AV433)	0.00E+00	1.98E-06	0.00E+00	NC	0.00E+00	NC	7.24E-04	NC
Avian omnivores (AV442)	0.00E+00	7.21E-06	0.00E+00	NC	0.00E+00	NC	2.64E-03	NC
Mammalian herbivores (M121)	9.90E-03	2.64E-03	1.73E-03	3.13E-03	1.38E-03	NC	2.40E-02	NC
Mammalian herbivores (M122)	3.05E+00	1.05E+00	3.68E-01	1.28E+00	8.45E-01	NC	1.76E+00	NC

Table A2-1. (continued).

Average HQs Functional groups	*Arsenic*							
	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	5.65E+00	1.02E+00	3.55E-01	1.34E+00	8.76E-01	NC	1.96E+00	NC
Pygmy rabbit	1.21E+00	2.22E-01	7.82E-02	2.89E-01	1.88E-01	NC	4.41E-01	NC
Mammalian herbivores (M123)	3.52E+00	7.00E-01	2.66E-01	8.97E-01	5.50E-01	NC	1.32E+00	NC
Mammalian insectivores (M210)	5.85E+00	1.19E+00	3.06E-01	1.05E+00	4.66E-01	NC	1.17E+00	NC
Mammalian insectivores (M210A)	5.67E+00	1.16E+00	2.97E-01	5.53E+00	2.46E+00	NC	1.14E+00	NC
Townsend's western big-eared bat	1.60E+01	3.24E+00	8.31E-01	3.87E+00	1.72E+00	NC	3.19E+00	NC
Small-footed myotis	2.28E+01	4.62E+00	1.18E+00	5.51E+00	2.45E+00	NC	4.55E+00	NC
Long-eared myotis	1.97E+01	4.00E+00	1.02E+00	4.77E+00	2.12E+00	NC	3.94E+00	NC
Mammalian insectivores (M222)	5.05E+01	1.17E+01	4.68E+00	1.29E+01	7.97E+00	NC	2.14E+01	NC
Mammalian carnivore (M322)	1.46E-01	2.94E-02	2.21E-02	3.51E-02	1.56E-02	NC	3.54E-02	NC
Mammalian omnivores (M422)	2.05E+01	3.07E+00	7.88E-01	4.35E+00	1.99E+00	NC	4.89E+00	NC
Mammalian omnivores (M422A)	4.68E-01	9.43E-02	7.97E-02	1.12E-01	4.99E-02	NC	6.25E-02	NC
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	4.92E+00	1.34E+00	7.75E-01	5.04E-02	4.21E-02	NC	1.37E+00	NC

Table A2-2. Maximum HQs across selected WAGs for Arsenic.

Maximum HQs	*Arsenic*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	4.19E-02	5.88E-02	3.10E-02	2.65E-02	1.61E-02	NC	1.82E-02	NC
Avian herbivores (AV122)	3.85E-01	9.45E-01	4.99E-01	4.26E-01	2.60E-01	NC	2.93E-01	NC
Avian herbivores (AV132)	0.00E+00	1.20E-05	0.00E+00	NC	0.00E+00	NC	7.68E-03	NC
Avian herbivores (AV142)	0.00E+00	3.63E-06	0.00E+00	NC	0.00E+00	NC	4.70E-03	NC
Avian herbivores (AV143)	0.00E+00	9.73E-06	0.00E+00	NC	0.00E+00	NC	1.26E-02	NC
Trumpeter swan	0.00E+00	2.29E-02	0.00E+00	NC	0.00E+00	NC	1.46E-02	NC
Avian insectivores (AV210)	1.73E+00	2.10E+00	1.79E+00	9.47E-01	5.78E-01	NC	4.17E-01	NC
Black tern	1.38E-01	4.20E-01	3.59E-01	9.09E-02	5.55E-02	NC	8.34E-02	NC
Avian insectivores (AV210A)	5.63E+00	6.76E+00	1.65E+00	3.05E+00	1.86E+00	NC	1.34E+00	NC
Avian insectivores (AV221)	1.51E+01	1.24E+01	3.51E+00	4.43E+00	6.94E+00	NC	7.85E+00	NC
Avian insectivores (AV222)	2.09E+01	1.79E+01	2.91E+00	6.40E+00	7.89E+00	NC	1.14E+01	NC
Avian insectivores (AV222A)	1.45E+01	1.16E+01	1.75E+00	4.17E+00	4.75E+00	NC	7.38E+00	NC
Avian insectivores (AV232)	0.00E+00	4.06E-06	0.00E+00	NC	0.00E+00	NC	1.67E-03	NC
Avian insectivores (AV233)	0.00E+00	3.19E-06	0.00E+00	NC	0.00E+00	NC	1.31E-03	NC
White-faced ibis	0.00E+00	9.39E-06	0.00E+00	NC	0.00E+00	NC	3.86E-03	NC
Avian insectivores (AV241)	0.00E+00	3.69E-06	0.00E+00	NC	0.00E+00	NC	1.52E-03	NC
Avian insectivores (AV242)	0.00E+00	1.27E-05	0.00E+00	NC	0.00E+00	NC	5.22E-03	NC
Avian carnivores (AV310)	2.81E-03	4.48E-03	2.02E-02	2.00E-03	1.22E-03	NC	9.80E-03	NC
Northern goshawk	3.55E-04	5.78E-04	4.31E-02	2.53E-04	1.54E-04	NC	4.60E-03	NC
Peregrine falcon	2.53E-03	4.02E-03	2.28E-01	1.80E-03	1.10E-03	NC	4.38E-03	NC
Avian carnivores (AV322)	1.03E-01	1.63E-01	1.49E-01	7.33E-02	4.47E-02	NC	3.23E-02	NC
Bald eagle	9.05E-05	1.70E-04	6.50E-04	6.44E-05	3.93E-05	NC	1.12E-02	NC
Ferruginous hawk	3.46E-04	5.90E-04	2.48E-03	2.46E-04	1.50E-04	NC	1.83E-02	NC
Loggerhead shrike	1.32E-01	2.08E-01	9.70E-02	9.38E-02	5.72E-02	NC	4.14E-02	NC
Avian carnivores (AV322A)	2.25E-02	2.71E-02	2.76E-02	1.22E-02	7.44E-03	NC	7.24E-03	NC
Burrowing Owl	2.25E-02	2.71E-02	2.76E-02	1.22E-02	7.44E-03	NC	7.24E-03	NC
Avian carnivores (AV333)	0.00E+00	9.38E-06	0.00E+00	NC	0.00E+00	NC	3.86E-03	NC
Avian carnivores (AV342)	0.00E+00	1.48E-05	0.00E+00	NC	0.00E+00	NC	6.08E-03	NC
Avian omnivores (AV422)	9.98E-01	1.32E+00	1.48E+00	5.93E-01	3.62E-01	NC	2.62E-01	NC
Avian omnivores (AV432)	0.00E+00	1.14E-05	0.00E+00	NC	0.00E+00	NC	4.70E-03	NC
Avian omnivores (AV433)	0.00E+00	1.58E-05	0.00E+00	NC	0.00E+00	NC	6.51E-03	NC
Avian omnivores (AV442)	0.00E+00	5.77E-05	0.00E+00	NC	0.00E+00	NC	2.37E-02	NC
Mammalian herbivores (M121)	9.90E-03	1.58E-02	1.75E-02	7.04E-03	4.30E-03	NC	1.98E-01	NC
Mammalian herbivores (M122)	3.05E+00	4.40E+00	7.92E-01	1.57E+00	2.47E+00	NC	6.85E+00	NC

Table A2-2. (continued).

Maximum HQs	*Arsenic*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	5.65E+00	4.52E+00	8.15E-01	1.62E+00	2.53E+00	NC	7.04E+00	NC
Pygmy rabbit	1.21E+00	9.69E-01	1.75E-01	3.47E-01	5.43E-01	NC	1.51E+00	NC
Mammalian herbivores (M123)	3.52E+00	2.82E+00	5.28E-01	1.01E+00	1.58E+00	NC	4.39E+00	NC
Mammalian insectivores (M210)	5.85E+00	7.13E+00	1.74E+00	2.36E+00	1.44E+00	NC	3.47E+00	NC
Mammalian insectivores (M210A)	5.67E+00	6.91E+00	1.68E+00	1.25E+01	7.60E+00	NC	3.37E+00	NC
Townsend's western big-eared bat	1.60E+01	1.93E+01	4.71E+00	8.71E+00	5.32E+00	NC	9.43E+00	NC
Small-footed myotis	2.28E+01	2.76E+01	6.71E+00	1.24E+01	7.57E+00	NC	1.34E+01	NC
Long-eared myotis	1.97E+01	2.38E+01	5.80E+00	1.07E+01	6.55E+00	NC	1.16E+01	NC
Mammalian insectivores (M222)	5.05E+01	4.04E+01	1.22E+01	1.45E+01	2.27E+01	NC	6.30E+01	NC
Mammalian carnivore (M322)	1.46E-01	1.76E-01	2.33E-01	7.91E-02	4.83E-02	NC	1.14E-01	NC
Mammalian omnivores (M422)	2.05E+01	1.64E+01	2.45E+00	5.87E+00	3.81E+00	NC	1.62E+01	NC
Mammalian omnivores (M422A)	4.68E-01	5.62E-01	8.59E-01	2.53E-01	1.54E-01	NC	2.95E-01	NC
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	4.92E+00	3.94E+00	2.95E+00	5.64E-02	8.84E-02	NC	3.51E+00	NC

Table A2-3. Average HQs across selected WAGs for Aluminum.

Average HQs	*Aluminum*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	2.30E-02	NA	8.68E-03	4.86E-02	1.75E-02	NA	4.78E-02	NA
Avian herbivores (AV122)	1.30E-01	NA	3.71E-01	2.08E+00	7.17E-01	NA	8.08E-01	NA
Avian herbivores (AV132)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	1.29E-01	NA
Avian herbivores (AV142)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	7.90E-02	NA
Avian herbivores (AV143)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	2.12E-01	NA
Trumpeter swan	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	2.46E-01	NA
Avian insectivores (AV210)	9.80E+00	NA	1.07E+00	5.99E+00	2.38E+00	NA	3.01E+00	NA
Black tern	1.50E+00	NA	2.14E-01	1.20E+00	4.61E-01	NA	5.95E-01	NA
Avian insectivores (AV210A)	3.22E+01	NA	3.44E+00	1.93E+01	7.69E+00	NA	9.60E+00	NA
Avian insectivores (AV221)	8.56E+01	NA	7.12E+01	7.53E+01	5.28E+01	NA	4.74E+01	NA
Avian insectivores (AV222)	1.16E+02	NA	3.52E+01	1.09E+02	6.67E+01	NA	4.85E+01	NA
Avian insectivores (AV222A)	8.30E+01	NA	2.12E+01	7.08E+01	4.25E+01	NA	3.20E+01	NA
Avian insectivores (AV232)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	4.24E-02	NA
Avian insectivores (AV233)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	3.33E-02	NA
White-faced ibis	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	9.82E-02	NA
Avian insectivores (AV241)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	3.86E-02	NA
Avian insectivores (AV242)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	1.33E-01	NA
Avian carnivores (AV310)	9.25E-04	NA	6.04E-04	3.38E-03	1.19E-03	NA	2.44E-01	NA
Northern goshawk	1.17E-04	NA	3.19E-03	4.27E-04	7.11E-03	NA	1.25E-01	NA
Peregrine falcon	8.33E-04	NA	2.27E-02	3.05E-03	5.07E-02	NA	1.68E-01	NA
Avian carnivores (AV322)	3.39E-02	NA	2.21E-02	1.24E-01	4.36E-02	NA	2.12E-01	NA
Bald eagle	2.98E-05	NA	1.94E-05	1.09E-04	3.83E-05	NA	1.89E-01	NA
Ferruginous hawk	1.14E-04	NA	7.42E-05	4.15E-04	1.46E-04	NA	3.07E-01	NA
Loggerhead shrike	4.34E-02	NA	2.83E-02	1.58E-01	5.58E-02	NA	1.67E-01	NA
Avian carnivores (AV322A)	4.19E-02	NA	4.49E-03	2.51E-02	1.00E-02	NA	7.53E-02	NA
Burrowing Owl	4.19E-02	NA	4.49E-03	2.51E-02	1.00E-02	NA	7.53E-02	NA
Avian carnivores (AV333)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	6.49E-02	NA
Avian carnivores (AV342)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	1.02E-01	NA
Avian omnivores (AV422)	2.37E+00	NA	2.91E-01	1.63E+00	6.39E-01	NA	9.11E-01	NA
Avian omnivores (AV432)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	5.27E-02	NA
Avian omnivores (AV433)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	7.30E-02	NA
Avian omnivores (AV442)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	2.66E-01	NA
Mammalian herbivores (M121)	1.26E-01	NA	8.20E-02	4.59E-01	1.62E-01	NA	5.12E+01	NA
Mammalian herbivores (M122)	2.98E+01	NA	2.42E+02	4.53E+02	2.64E+02	NA	1.73E+02	NA

Table A2-3. (continued).

Average HQs Functional groups	*Aluminum*							
	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	5.83E+02	NA	2.04E+02	4.97E+02	3.50E+02	NA	2.45E+02	NA
Pygmy rabbit	7.12E+01	NA	2.67E+01	6.08E+01	4.28E+01	NA	6.81E+01	NA
Mammalian herbivores (M123)	3.63E+02	NA	1.90E+02	3.10E+02	2.18E+02	NA	1.82E+02	NA
Mammalian insectivores (M210)	4.98E+02	NA	5.43E+01	2.24E+02	8.91E+01	NA	1.50E+02	NA
Mammalian insectivores (M210A)	4.83E+02	NA	5.27E+01	1.18E+03	4.70E+02	NA	1.46E+02	NA
Townsend's western big-eared bat	1.36E+03	NA	1.47E+02	8.25E+02	3.29E+02	NA	4.09E+02	NA
Small-footed myotis	1.94E+03	NA	2.10E+02	1.18E+03	4.69E+02	NA	5.82E+02	NA
Long-eared myotis	1.68E+03	NA	1.82E+02	1.02E+03	4.05E+02	NA	5.04E+02	NA
Mammalian insectivores (M222)	4.32E+03	NA	3.65E+03	3.69E+03	2.60E+03	NA	2.39E+03	NA
Mammalian carnivore (M322)	8.86E+00	NA	9.48E-01	5.31E+00	2.12E+00	NA	1.16E+01	NA
Mammalian omnivores (M422)	1.69E+03	NA	2.45E+02	1.37E+03	5.49E+02	NA	5.02E+02	NA
Mammalian omnivores (M422A)	3.16E+01	NA	3.38E+00	1.89E+01	7.44E+00	NA	7.65E+01	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	NA	NA	1.60E+03	2.32E+00	1.64E+00	NA	6.29E+02	NA

Table A2-4. Maximum HQs across selected WAGs for Alumimum.

Maximum HQs	*Aluminum*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	2.30E-02	NA	8.68E-03	4.86E-02	2.24E-02	NA	1.73E-01	NA
Avian herbivores (AV122)	1.30E-01	NA	3.71E-01	2.08E+00	9.59E-01	NA	2.85E+00	NA
Avian herbivores (AV132)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	7.75E-01	NA
Avian herbivores (AV142)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	4.74E-01	NA
Avian herbivores (AV143)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	1.27E+00	NA
Trumpeter swan	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	1.48E+00	NA
Avian insectivores (AV210)	9.80E+00	NA	1.07E+00	5.99E+00	2.76E+00	NA	1.15E+01	NA
Black tern	1.50E+00	NA	2.14E-01	1.20E+00	5.52E-01	NA	2.13E+00	NA
Avian insectivores (AV210A)	3.22E+01	NA	3.44E+00	1.93E+01	8.89E+00	NA	3.71E+01	NA
Avian insectivores (AV221)	8.56E+01	NA	7.12E+01	7.53E+01	5.78E+01	NA	8.18E+01	NA
Avian insectivores (AV222)	1.16E+02	NA	3.52E+01	1.09E+02	6.91E+01	NA	1.16E+02	NA
Avian insectivores (AV222A)	8.30E+01	NA	2.12E+01	7.08E+01	4.49E+01	NA	7.77E+01	NA
Avian insectivores (AV232)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	2.55E-01	NA
Avian insectivores (AV233)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	2.00E-01	NA
White-faced ibis	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	5.89E-01	NA
Avian insectivores (AV241)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	2.31E-01	NA
Avian insectivores (AV242)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	7.96E-01	NA
Avian carnivores (AV310)	9.25E-04	NA	6.04E-04	3.38E-03	1.56E-03	NA	1.46E+00	NA
Northern goshawk	1.17E-04	NA	3.19E-03	4.27E-04	8.24E-03	NA	6.97E-01	NA
Peregrine falcon	8.33E-04	NA	2.27E-02	3.05E-03	5.88E-02	NA	6.34E-01	NA
Avian carnivores (AV322)	3.39E-02	NA	2.21E-02	1.24E-01	5.72E-02	NA	9.96E-01	NA
Bald eagle	2.98E-05	NA	1.94E-05	1.09E-04	5.02E-05	NA	1.13E+00	NA
Ferruginous hawk	1.14E-04	NA	7.42E-05	4.15E-04	1.92E-04	NA	1.84E+00	NA
Loggerhead shrike	4.34E-02	NA	2.83E-02	1.58E-01	7.32E-02	NA	6.47E-01	NA
Avian carnivores (AV322A)	4.19E-02	NA	4.49E-03	2.51E-02	1.16E-02	NA	3.77E-01	NA
Burrowing Owl	4.19E-02	NA	4.49E-03	2.51E-02	1.16E-02	NA	3.77E-01	NA
Avian carnivores (AV333)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	3.89E-01	NA
Avian carnivores (AV342)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	6.14E-01	NA
Avian omnivores (AV422)	2.37E+00	NA	2.91E-01	1.63E+00	7.53E-01	NA	3.02E+00	NA
Avian omnivores (AV432)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	3.16E-01	NA
Avian omnivores (AV433)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	4.38E-01	NA
Avian omnivores (AV442)	0.00E+00	NA	0.00E+00	NC	0.00E+00	NA	1.60E+00	NA
Mammalian herbivores (M121)	1.26E-01	NA	8.20E-02	4.59E-01	2.12E-01	NA	3.06E+02	NA
Mammalian herbivores (M122)	2.98E+01	NA	2.42E+02	4.53E+02	2.88E+02	NA	3.57E+02	NA

Table A2-4. (continued).

Maximum HQs	*Aluminum*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	5.83E+02	NA	2.04E+02	4.97E+02	3.84E+02	NA	5.45E+02	NA
Pygmy rabbit	7.12E+01	NA	2.67E+01	6.08E+01	4.71E+01	NA	2.30E+02	NA
Mammalian herbivores (M123)	3.63E+02	NA	1.90E+02	3.10E+02	2.40E+02	NA	3.40E+02	NA
Mammalian insectivores (M210)	4.98E+02	NA	5.43E+01	2.24E+02	1.03E+02	NA	5.83E+02	NA
Mammalian insectivores (M210A)	4.83E+02	NA	5.27E+01	1.18E+03	5.45E+02	NA	5.69E+02	NA
Townsend's western big-eared bat	1.36E+03	NA	1.47E+02	8.25E+02	3.81E+02	NA	1.59E+03	NA
Small-footed myotis	1.94E+03	NA	2.10E+02	1.18E+03	5.43E+02	NA	2.27E+03	NA
Long-eared myotis	1.68E+03	NA	1.82E+02	1.02E+03	4.70E+02	NA	1.96E+03	NA
Mammalian insectivores (M222)	4.32E+03	NA	3.65E+03	3.69E+03	2.86E+03	NA	4.04E+03	NA
Mammalian carnivore (M322)	8.86E+00	NA	9.48E-01	5.31E+00	2.45E+00	NA	5.39E+01	NA
Mammalian omnivores (M422)	1.69E+03	NA	2.45E+02	1.37E+03	6.34E+02	NA	1.58E+03	NA
Mammalian omnivores (M422A)	3.16E+01	NA	3.38E+00	1.89E+01	8.74E+00	NA	4.03E+02	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	NA	NA	1.60E+03	2.32E+00	1.80E+00	NA	6.36E+02	NA

Table A2-5. Average HQs across selected WAGs for Antimony.

Average HQs	*Antimony*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV122)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV132)	NA	NA	NA	NC	NA	NA	NA	NA
Avian herbivores (AV142)	NA	NA	NA	NC	NA	NA	NA	NA
Avian herbivores (AV143)	NA	NA	NA	NC	NA	NA	NA	NA
Trumpeter swan	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV210)	NA	NA	NA	NA	NA	NA	NA	NA
Black tern	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV210A)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV221)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV222)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV222A)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV232)	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV233)	NA	NA	NA	NC	NA	NA	NA	NA
White-faced ibis	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV241)	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV242)	NA	NA	NA	NC	NA	NA	NA	NA
Avian carnivores (AV310)	NA	NA	NA	NA	NA	NA	NA	NA
Northern goshawk	NA	NA	NA	NA	NA	NA	NA	NA
Peregrine falcon	NA	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV322)	NA	NA	NA	NA	NA	NA	NA	NA
Bald eagle	NA	NA	NA	NA	NA	NA	NA	NA
Ferruginous hawk	NA	NA	NA	NA	NA	NA	NA	NA
Loggerhead shrike	NA	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV322A)	NA	NA	NA	NA	NA	NA	NA	NA
Burrowing Owl	NA	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV333)	NA	NA	NA	NC	NA	NA	NA	NA
Avian carnivores (AV342)	NA	NA	NA	NC	NA	NA	NA	NA
Avian omnivores (AV422)	NA	NA	NA	NA	NA	NA	NA	NA
Avian omnivores (AV432)	NA	NA	NA	NC	NA	NA	NA	NA
Avian omnivores (AV433)	NA	NA	NA	NC	NA	NA	NA	NA
Avian omnivores (AV442)	NA	NA	NA	NC	NA	NA	NA	NA
Mammalian herbivores (M121)	2.82E-03	2.67E-04	1.01E-04	8.91E-05	1.94E-04	NA	2.24E-02	NA
Mammalian herbivores (M122)	6.69E-01	5.18E-01	1.57E-01	4.46E-02	2.37E-01	NA	4.54E-01	2.82E-03[a]

Table A2-5. (continued).

Average HQs Functional groups	*Antimony*							
	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	3.09E+00	4.74E-01	1.79E-01	1.58E-01	5.32E-01	NA	7.64E-01	NA
Pygmy rabbit	5.29E-01	8.67E-02	3.28E-02	2.90E-02	9.16E-02	NA	1.49E-01	5.46E-02
Mammalian herbivores (M123)	1.93E+00	3.64E-01	1.67E-01	1.48E-01	3.38E-01	NA	5.38E-01	NA
Mammalian insectivores (M210)	3.42E+00	1.64E-01	6.15E-02	3.94E-02	1.33E-01	NA	6.10E-01	NA
Mammalian insectivores (M210A)	3.32E+00	1.59E-01	6.02E-02	2.13E-01	7.04E-01	NA	6.01E-01	NA
Townsend's western big-eared bat	9.38E+00	4.44E-01	1.68E-01	1.48E-01	4.95E-01	NA	1.68E+00	2.80E-01
Small-footed myotis	1.34E+01	6.33E-01	2.39E-01	2.12E-01	7.06E-01	NA	2.39E+00	NA
Long-eared myotis	1.16E+01	5.48E-01	2.06E-01	1.83E-01	6.06E-01	NA	2.07E+00	NA
Mammalian insectivores (M222)	2.98E+01	6.93E+00	4.17E+00	3.69E+00	5.35E+00	NA	9.86E+00	NA
Mammalian carnivore (M322)	6.93E-02	3.24E-03	1.23E-03	1.08E-03	3.65E-03	NA	1.87E-02	6.22E-01[a]
Mammalian omnivores (M422)	1.15E+01	7.36E-01	2.78E-01	2.50E-01	8.39E-01	NA	2.05E+00	1.48E-01[a]
Mammalian omnivores (M422A)	2.16E-01	1.01E-02	3.84E-03	3.44E-03	1.06E-02	NA	8.54E-02	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	NA	NA	1.90E+00	3.80E-02	6.86E-02	NA	4.43E+00	4.22E-02

Table A2-6. Maximum HQs across selected WAGs for Antimony.

Maximum HQs	*Antimony*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV122)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV132)	NA	NA	NA	NC	NA	NA	NA	NA
Avian herbivores (AV142)	NA	NA	NA	NC	NA	NA	NA	NA
Avian herbivores (AV143)	NA	NA	NA	NC	NA	NA	NA	NA
Trumpeter swan	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV210)	NA	NA	NA	NA	NA	NA	NA	NA
Black tern	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV210A)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV221)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV222)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV222A)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV232)	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV233)	NA	NA	NA	NC	NA	NA	NA	NA
White-faced ibis	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV241)	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV242)	NA	NA	NA	NC	NA	NA	NA	NA
Avian carnivores (AV310)	NA	NA	NA	NA	NA	NA	NA	NA
Northern goshawk	NA	NA	NA	NA	NA	NA	NA	NA
Peregrine falcon	NA	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV322)	NA	NA	NA	NA	NA	NA	NA	NA
Bald eagle	NA	NA	NA	NA	NA	NA	NA	NA
Ferruginous hawk	NA	NA	NA	NA	NA	NA	NA	NA
Loggerhead shrike	NA	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV322A)	NA	NA	NA	NA	NA	NA	NA	NA
Burrowing Owl	NA	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV333)	NA	NA	NA	NC	NA	NA	NA	NA
Avian carnivores (AV342)	NA	NA	NA	NC	NA	NA	NA	NA
Avian omnivores (AV422)	NA	NA	NA	NA	NA	NA	NA	NA
Avian omnivores (AV432)	NA	NA	NA	NC	NA	NA	NA	NA
Avian omnivores (AV433)	NA	NA	NA	NC	NA	NA	NA	NA
Avian omnivores (AV442)	NA	NA	NA	NC	NA	NA	NA	NA
Mammalian herbivores (M121)	2.82E-03	7.36E-04	1.01E-04	8.91E-05	3.70E-04	NA	5.98E-02	NA
Mammalian herbivores (M122)	6.69E-01	1.35E+00	1.57E-01	4.46E-02	4.36E-01	NA	8.16E-01	3.23E-02[a]

Table A2-6. (continued).

Maximum HQs	*Antimony*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	3.09E+00	1.31E+00	1.79E-01	1.58E-01	1.03E+00	NA	8.65E-01	NA
Pygmy rabbit	5.29E-01	2.39E-01	3.28E-02	2.90E-02	1.78E-01	NA	1.51E-01	7.68E-01
Mammalian herbivores (M123)	1.93E+00	9.07E-01	1.67E-01	1.48E-01	6.47E-01	NA	5.40E-01	NA
Mammalian insectivores (M210)	3.42E+00	4.52E-01	6.15E-02	3.94E-02	2.59E-01	NA	1.18E+00	NA
Mammalian insectivores (M210A)	3.32E+00	4.39E-01	6.02E-02	2.13E-01	1.37E+00	NA	1.17E+00	NA
Townsend's western big-eared bat	9.38E+00	1.23E+00	1.68E-01	1.48E-01	9.63E-01	NA	3.27E+00	3.77E+00
Small-footed myotis	1.34E+01	1.75E+00	2.39E-01	2.12E-01	1.37E+00	NA	4.66E+00	NA
Long-eared myotis	1.16E+01	1.51E+00	2.06E-01	1.83E-01	1.18E+00	NA	4.03E+00	NA
Mammalian insectivores (M222)	2.98E+01	1.40E+01	4.17E+00	3.69E+00	1.00E+01	NA	1.29E+01	NA
Mammalian carnivore (M322)	6.93E-02	8.95E-03	1.23E-03	1.08E-03	7.09E-03	NA	2.52E-02	7.00E-06[a]
Mammalian omnivores (M422)	1.15E+01	2.03E+00	2.78E-01	2.50E-01	1.63E+00	NA	3.23E+00	2.08E+00[a]
Mammalian omnivores (M422A)	2.16E-01	2.80E-02	3.84E-03	3.44E-03	2.06E-02	NA	1.32E-01	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	NA	2.70E+00	1.90E+00	3.80E-02	7.00E-02	NA	1.02E+01	5.96E-01

Table A2-7. Average HQs across selected WAGs for Barium.

Average HQs	*Barium*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV122)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV132)	NA	NA	NA	NC	NA	NA	NA	NA
Avian herbivores (AV142)	NA	NA	NA	NC	NA	NA	NA	NA
Avian herbivores (AV143)	NA	NA	NA	NC	NA	NA	NA	NA
Trumpeter swan	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV210)	NA	NA	NA	NA	NA	NA	NA	NA
Black tern	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV210A)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV221)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV222)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV222A)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV232)	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV233)	NA	NA	NA	NC	NA	NA	NA	NA
White-faced ibis	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV241)	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV242)	NA	NA	NA	NC	NA	NA	NA	NA
Avian carnivores (AV310)	NA	NA	NA	NA	NA	NA	NA	NA
Northern goshawk	NA	NA	NA	NA	NA	NA	NA	NA
Peregrine falcon	NA	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV322)	NA	NA	NA	NA	NA	NA	NA	NA
Bald eagle	NA	NA	NA	NA	NA	NA	NA	NA
Ferruginous hawk	NA	NA	NA	NA	NA	NA	NA	NA
Loggerhead shrike	NA	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV322A)	NA	NA	NA	NA	NA	NA	NA	NA
Burrowing Owl	NA	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV333)	NA	NA	NA	NC	NA	NA	NA	NA
Avian carnivores (AV342)	NA	NA	NA	NC	NA	NA	NA	NA
Avian omnivores (AV422)	NA	NA	NA	NA	NA	NA	NA	NA
Avian omnivores (AV432)	NA	NA	NA	NC	NA	NA	NA	NA
Avian omnivores (AV433)	NA	NA	NA	NC	NA	NA	NA	NA
Avian omnivores (AV442)	NA	NA	NA	NC	NA	NA	NA	NA
Mammalian herbivores (M121)	3.45E+01	8.47E-01	3.08E-02	3.36E+00	NA	NA	2.97E+00	NA
Mammalian herbivores (M122)	8.21E+03	5.08E+02	7.24E+01	9.18E+02	NA	NA	7.37E+02	1.70E-01[a]

Table A2-7. (continued).

Average HQs Functional groups	*Barium*							
	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	1.90E+04	7.48E+02	9.89E+01	1.55E+03	NA	NA	1.24E+03	NA
Pygmy rabbit	6.08E+03	2.52E+02	1.67E+01	4.95E+02	NA	NA	4.00E+02	1.19E+00
Mammalian herbivores (M123)	1.19E+04	5.19E+02	9.24E+01	9.65E+02	NA	NA	8.18E+02	NA
Mammalian insectivores (M210)	1.04E+04	2.27E+02	3.99E+01	6.61E+02	NA	NA	7.00E+02	NA
Mammalian insectivores (M210A)	1.00E+04	2.21E+02	3.87E+01	3.51E+03	NA	NA	6.81E+02	NA
Townsend's western big-eared bat	2.84E+04	6.17E+02	1.08E+02	2.45E+03	NA	NA	1.91E+03	1.09E+01
Small-footed myotis	4.05E+04	8.79E+02	1.54E+02	3.50E+03	NA	NA	2.71E+03	NA
Long-eared myotis	3.50E+04	7.61E+02	1.33E+02	3.02E+03	NA	NA	2.35E+03	NA
Mammalian insectivores (M222)	9.00E+04	4.14E+03	2.68E+03	7.33E+03	NA	NA	6.83E+03	NA
Mammalian carnivore (M322)	2.08E+02	4.47E+00	7.84E-01	1.78E+01	NA	NA	1.40E+01	2.81E-03[a]
Mammalian omnivores (M422)	3.20E+04	6.76E+02	1.62E+02	2.52E+03	NA	NA	1.95E+03	3.41E+00[a]
Mammalian omnivores (M422A)	6.00E+02	1.29E+01	2.23E+00	5.13E+01	NA	NA	4.10E+01	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	NA	9.67E-01	2.20E+00	2.38E-01	NA	NA	1.96E+00	1.84E-02

Table A2-8. Maximum HQs across selected WAGs for Barium.

Maximum HQs Functional groups	*Barium*							
	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV122)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV132)	NA	NA	NA	NC	NA	NA	NA	NA
Avian herbivores (AV142)	NA	NA	NA	NC	NA	NA	NA	NA
Avian herbivores (AV143)	NA	NA	NA	NC	NA	NA	NA	NA
Trumpeter swan	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV210)	NA	NA	NA	NA	NA	NA	NA	NA
Black tern	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV210A)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV221)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV222)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV222A)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV232)	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV233)	NA	NA	NA	NC	NA	NA	NA	NA
White-faced ibis	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV241)	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV242)	NA	NA	NA	NC	NA	NA	NA	NA
Avian carnivores (AV310)	NA	NA	NA	NA	NA	NA	NA	NA
Northern goshawk	NA	NA	NA	NA	NA	NA	NA	NA
Peregrine falcon	NA	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV322)	NA	NA	NA	NA	NA	NA	NA	NA
Bald eagle	NA	NA	NA	NA	NA	NA	NA	NA
Ferruginous hawk	NA	NA	NA	NA	NA	NA	NA	NA
Loggerhead shrike	NA	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV322A)	NA	NA	NA	NA	NA	NA	NA	NA
Burrowing Owl	NA	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV333)	NA	NA	NA	NC	NA	NA	NA	NA
Avian carnivores (AV342)	NA	NA	NA	NC	NA	NA	NA	NA
Avian omnivores (AV422)	NA	NA	NA	NA	NA	NA	NA	NA
Avian omnivores (AV432)	NA	NA	NA	NC	NA	NA	NA	NA
Avian omnivores (AV433)	NA	NA	NA	NC	NA	NA	NA	NA
Avian omnivores (AV442)	NA	NA	NA	NC	NA	NA	NA	NA
Mammalian herbivores (M121)	3.45E+01	2.79E+00	4.59E-02	3.54E+00	NA	NA	8.41E+00	NA
Mammalian herbivores (M122)	8.21E+03	2.23E+03	1.08E+02	1.37E+03	NA	NA	2.06E+03	1.45E+00[a]

Table A2-8. (continued).

Maximum HQs	*Barium*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	1.90E+04	3.26E+03	1.47E+02	2.19E+03	NA	NA	3.30E+03	NA
Pygmy rabbit	6.08E+03	1.12E+03	2.49E+01	6.99E+02	NA	NA	1.05E+03	7.44E+00
Mammalian herbivores (M123)	1.19E+04	2.26E+03	1.38E+02	1.36E+03	NA	NA	2.06E+03	NA
Mammalian insectivores (M210)	1.04E+04	7.46E+02	5.95E+01	6.94E+02	NA	NA	2.27E+03	NA
Mammalian insectivores (M210A)	1.00E+04	7.23E+02	5.77E+01	3.70E+03	NA	NA	2.20E+03	NA
Townsend's western big-eared bat	2.84E+04	2.02E+03	1.61E+02	2.59E+03	NA	NA	6.15E+03	9.39E+01
Small-footed myotis	4.05E+04	2.88E+03	2.30E+02	3.69E+03	NA	NA	8.76E+03	NA
Long-eared myotis	3.50E+04	2.49E+03	1.99E+02	3.19E+03	NA	NA	7.57E+03	NA
Mammalian insectivores (M222)	9.00E+04	1.72E+04	4.00E+03	1.03E+04	NA	NA	1.56E+04	NA
Mammalian carnivore (M322)	2.08E+02	1.47E+01	1.17E+00	1.88E+01	NA	NA	4.45E+01	3.53E-02[a]
Mammalian omnivores (M422)	3.20E+04	2.28E+03	2.41E+02	3.52E+03	NA	NA	5.55E+03	2.76E+01[a]
Mammalian omnivores (M422A)	6.00E+02	4.24E+01	3.32E+00	5.42E+01	NA	NA	1.29E+02	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	NA	3.72E+00	2.20E+00	3.36E-01	NA	NA	3.38E+00	1.21E-01

Table A2-9. Average HQs across selected WAGs for Beryllium.

Average HQs	Beryllium							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV122)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV132)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV142)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV143)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Trumpeter swan	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV210)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Black tern	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV210A)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV221)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV222)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV222A)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV232)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV233)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
White-faced ibis	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV241)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV242)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV310)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Northern goshawk	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Peregrine falcon	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV322)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Bald eagle	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Ferruginous hawk	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Loggerhead shrike	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV322A)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Burrowing Owl	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV333)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV342)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian omnivores (AV422)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian omnivores (AV432)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian omnivores (AV433)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian omnivores (AV442)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Mammalian herbivores (M121)	0.00E+00	NA	0.00E+00	NA	NA	NA	6.13E-01	NA
Mammalian herbivores (M122)	0.00E+00	NA	0.00E+00	NA	NA	NA	3.09E+00	NA

Table A2-9. (continued).

Average HQs Functional groups	Beryllium WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	0.00E+00	NA	0.00E+00	NA	NA	NA	2.55E+00	NA
Pygmy rabbit	0.00E+00	NA	0.00E+00	NA	NA	NA	1.51E+00	NA
Mammalian herbivores (M123)	0.00E+00	NA	0.00E+00	NA	NA	NA	2.00E+00	NA
Mammalian insectivores (M210)	0.00E+00	NA	0.00E+00	NA	NA	NA	2.80E-01	NA
Mammalian insectivores (M210A)	0.00E+00	NA	0.00E+00	NA	NA	NA	2.67E-01	NA
Townsend's western big-eared bat	0.00E+00	NA	0.00E+00	NA	NA	NA	7.67E-01	NA
Small-footed myotis	0.00E+00	NA	0.00E+00	NA	NA	NA	1.07E+00	NA
Long-eared myotis	0.00E+00	NA	0.00E+00	NA	NA	NA	9.29E-01	NA
Mammalian insectivores (M222)	0.00E+00	NA	0.00E+00	NA	NA	NA	3.84E+00	NA
Mammalian carnivore (M322)	0.00E+00	NA	0.00E+00	NA	NA	NA	2.39E-01	NA
Mammalian omnivores (M422)	0.00E+00	NA	0.00E+00	NA	NA	NA	8.97E-01	NA
Mammalian omnivores (M422A)	0.00E+00	NA	0.00E+00	NA	NA	NA	1.37E+00	NA
Reptilian insectivores (R222)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Plants	0.00E+00	NA	NA	NA	NA	NA	4.63E-01	NA

Table A2-10. Maximum HQs across selected WAGs for Beryllium.

Maximum HQs	Beryllium							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV122)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV132)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV142)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV143)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Trumpeter swan	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV210)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Black tern	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV210A)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV221)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV222)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV222A)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV232)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV233)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
White-faced ibis	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV241)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV242)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV310)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Northern goshawk	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Peregrine falcon	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV322)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Bald eagle	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Ferruginous hawk	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Loggerhead shrike	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV322A)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Burrowing Owl	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV333)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV342)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian omnivores (AV422)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian omnivores (AV432)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian omnivores (AV433)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Avian omnivores (AV442)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Mammalian herbivores (M121)	0.00E+00	NA	0.00E+00	NA	NA	NA	1.83E+00	NA
Mammalian herbivores (M122)	0.00E+00	NA	0.00E+00	NA	NA	NA	5.46E+00	NA

Table A2-10. (continued).

Maximum HQs	Beryllium							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	0.00E+00	NA	0.00E+00	NA	NA	NA	5.00E+00	NA
Pygmy rabbit	0.00E+00	NA	0.00E+00	NA	NA	NA	3.35E+00	NA
Mammalian herbivores (M123)	0.00E+00	NA	0.00E+00	NA	NA	NA	3.53E+00	NA
Mammalian insectivores (M210)	0.00E+00	NA	0.00E+00	NA	NA	NA	7.44E-01	NA
Mammalian insectivores (M210A)	0.00E+00	NA	0.00E+00	NA	NA	NA	7.08E-01	NA
Townsend's western big-eared bat	0.00E+00	NA	0.00E+00	NA	NA	NA	2.04E+00	NA
Small-footed myotis	0.00E+00	NA	0.00E+00	NA	NA	NA	2.82E+00	NA
Long-eared myotis	0.00E+00	NA	0.00E+00	NA	NA	NA	2.46E+00	NA
Mammalian insectivores (M222)	0.00E+00	NA	0.00E+00	NA	NA	NA	5.30E+00	NA
Mammalian carnivore (M322)	0.00E+00	NA	0.00E+00	NA	NA	NA	6.97E-01	NA
Mammalian omnivores (M422)	0.00E+00	NA	0.00E+00	NA	NA	NA	2.21E+00	NA
Mammalian omnivores (M422A)	0.00E+00	NA	0.00E+00	NA	NA	NA	4.10E+00	NA
Reptilian insectivores (R222)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	0.00E+00	NA	NA	NA	NA	NA	NA	NA
Plants	0.00E+00	NA	NA	NA	NA	NA	5.80E-01	NA

Table A2-11. Average HQs across selected WAGs for Cadmium.

Average HQs Functional groups	*Cadmium* WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	4.21E+00	1.03E+00	2.35E-02	7.03E-01	6.42E-01	NA	9.99E-01	NA
Avian herbivores (AV122)	2.50E+01	6.76E+00	1.55E-01	4.18E+00	3.94E+00	5.58E-03[a]	6.49E+00	2.01E-01[a]
Avian herbivores (AV132)	0.00E+00	3.93E-05	0.00E+00	NC	0.00E+00	NA	2.71E-04	NA
Avian herbivores (AV142)	0.00E+00	1.24E-05	0.00E+00	NC	0.00E+00	NA	8.52E-05	NA
Avian herbivores (AV143)	0.00E+00	3.31E-05	0.00E+00	NC	0.00E+00	0.00E+00[a]	2.28E-04	0.00E+00[a]
Trumpeter swan	0.00E+00	1.83E-01	0.00E+00	NC	0.00E+00	NA	2.66E-04	NA
Avian insectivores (AV210)	2.15E+01	5.25E+00	1.20E-01	3.59E+00	3.28E+00	NA	5.10E+00	NA
Black tern	3.57E+00	1.02E+00	2.19E-02	5.96E-01	5.75E-01	NA	9.07E-01	NA
Avian insectivores (AV210A)	6.99E+01	1.69E+01	3.86E-01	1.17E+01	1.06E+01	NA	1.64E+01	NA
Avian insectivores (AV221)	2.33E+02	4.66E+01	6.36E+00	6.71E+01	6.36E+01	NA	6.94E+01	NA
Avian insectivores (AV222)	3.24E+02	5.53E+01	3.93E+00	6.75E+01	7.80E+01	7.45E-01[a]	8.07E+01	9.60E-01[a]
Avian insectivores (AV222A)	2.21E+02	3.54E+01	2.37E+00	4.61E+01	5.18E+01	NA	5.25E+01	NA
Avian insectivores (AV232)	0.00E+00	1.93E-05	0.00E+00	NC	0.00E+00	NA	1.33E-04	NA
Avian insectivores (AV233)	0.00E+00	1.52E-05	0.00E+00	NC	0.00E+00	NA	1.05E-04	NA
White-faced ibis	0.00E+00	4.48E-05	0.00E+00	NC	0.00E+00	NA	3.09E-04	NA
Avian insectivores (AV241)	0.00E+00	1.76E-05	0.00E+00	NC	0.00E+00	NA	1.21E-04	NA
Avian insectivores (AV242)	0.00E+00	6.05E-05	0.00E+00	NC	0.00E+00	NA	4.17E-04	NA
Avian carnivores (AV310)	8.73E-01	2.12E-01	4.86E-03	1.46E-01	1.33E-01	NA	2.07E-01	NA
Northern goshawk	1.10E-01	2.69E-02	3.58E-04	1.84E-02	1.68E-02	NA	1.56E-02	NA
Peregrine falcon	7.87E-01	1.91E-01	2.56E-03	1.32E-01	1.20E-01	NA	1.09E-01	NA
Avian carnivores (AV322)	3.20E+01	7.77E+00	1.78E-01	5.35E+00	4.87E+00	NA	7.57E+00	NA
Bald eagle	2.81E-02	6.92E-03	1.57E-04	4.70E-03	4.28E-03	NA	7.24E-03	NA
Ferruginous hawk	1.07E-01	2.62E-02	5.98E-04	1.79E-02	1.64E-02	2.05E-04	2.64E-02	1.47E-02
Loggerhead shrike	4.09E+01	9.95E+00	2.28E-01	6.85E+00	6.24E+00	7.81E-02	9.68E+00	1.24E+00
Avian carnivores (AV322A)	4.59E+00	1.11E+00	2.54E-02	7.68E-01	6.98E-01	NA	1.08E+00	NA
Burrowing Owl	4.59E+00	1.11E+00	2.54E-02	7.68E-01	6.98E-01	1.49E-02	1.08E+00	3.11E-01
Avian carnivores (AV333)	0.00E+00	2.96E-05	0.00E+00	NC	0.00E+00	NA	2.04E-04	NA
Avian carnivores (AV342)	0.00E+00	4.66E-05	0.00E+00	NC	0.00E+00	NA	3.22E-04	NA
Avian omnivores (AV422)	6.85E-01	1.73E-01	3.97E-03	1.15E-01	1.06E-01	2.00E-02[a]	1.68E-01	7.65E-01[a]
Avian omnivores (AV432)	0.00E+00	1.60E-06	0.00E+00	NC	0.00E+00	NA	1.10E-05	NA
Avian omnivores (AV433)	0.00E+00	2.22E-06	0.00E+00	NC	0.00E+00	NA	1.53E-05	NA
Avian omnivores (AV442)	0.00E+00	8.09E-06	0.00E+00	NC	0.00E+00	NA	5.58E-05	NA
Mammalian herbivores (M121)	8.86E+00	2.20E+00	5.02E-02	1.52E+00	1.36E+00	NA	2.17E+00	NA
Mammalian herbivores (M122)	2.71E+03	5.18E+02	5.50E+01	6.30E+02	7.13E+02	8.44E-02[a]	7.36E+02	1.77E+00[a]

Table A2-11. (continued).

Average HQs Functional groups	*Cadmium*							
	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	2.64E+03	4.59E+02	3.87E+01	5.88E+02	6.77E+02	NA	6.52E+02	NA
Pygmy rabbit	1.04E+03	1.83E+02	1.63E+01	2.35E+02	2.68E+02	1.57E+02	2.60E+02	9.08E+00
Mammalian herbivores (M123)	1.65E+03	3.03E+02	3.54E+01	4.09E+02	4.32E+02	NA	4.36E+02	NA
Mammalian insectivores (M210)	4.76E+02	1.16E+02	2.66E+00	5.85E+01	5.34E+01	NA	1.13E+02	NA
Mammalian insectivores (M210A)	4.61E+02	1.13E+02	2.58E+00	3.12E+02	2.82E+02	NA	1.10E+02	NA
Townsend's western big-eared bat	1.30E+03	3.16E+02	7.23E+00	2.19E+02	1.98E+02	4.29E+00	3.07E+02	3.56E+01
Small-footed myotis	1.85E+03	4.50E+02	1.03E+01	3.12E+02	2.82E+02	NA	4.38E+02	NA
Long-eared myotis	1.60E+03	3.89E+02	8.91E+00	2.69E+02	2.43E+02	NA	3.79E+02	NA
Mammalian insectivores (M222)	5.06E+03	1.01E+03	1.40E+02	1.49E+03	1.38E+03	NA	1.51E+03	NA
Mammalian omnivores (M422)	3.61E+03	5.74E+02	2.45E+01	7.40E+02	6.73E+02	4.08E+02[a]	7.52E+02	2.37E+01[a]
Mammalian omnivores (M422A)	6.09E+01	1.47E+01	3.37E-01	1.02E+01	9.02E+00	NA	1.44E+01	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	4.43E+00	9.49E-01	3.63E+02	1.72E+00	1.62E+00	3.80E-01	NA	2.21E-02

Table A2-12. Maximum HQs across selected WAGs for Cadmium.

Maximum HQs	Cadmium							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	5.78E+00	6.52E+00	2.57E-02	1.86E+00	1.49E+00	NA	2.05E+00	NA
Avian herbivores (AV122)	3.27E+01	4.30E+01	1.69E-01	1.11E+01	8.92E+00	1.00E-02[a]	1.33E+01	3.02E+00[a]
Avian herbivores (AV132)	0.00E+00	2.75E-04	0.00E+00	NC	0.00E+00	NA	8.13E-04	NA
Avian herbivores (AV142)	0.00E+00	8.65E-05	0.00E+00	NC	0.00E+00	NA	2.56E-04	NA
Avian herbivores (AV143)	0.00E+00	2.32E-04	0.00E+00	NC	0.00E+00	0.00E+00[a]	6.85E-04	0.00E+00[a]
Trumpeter swan	0.00E+00	1.17E+00	0.00E+00	NC	0.00E+00	NA	7.97E-04	NA
Avian insectivores (AV210)	2.95E+01	3.33E+01	1.31E-01	9.52E+00	7.63E+00	NA	1.04E+01	NA
Black tern	4.51E+00	6.51E+00	2.38E-02	1.59E+00	1.28E+00	NA	1.85E+00	NA
Avian insectivores (AV210A)	9.66E+01	1.07E+02	4.21E-01	3.10E+01	2.48E+01	NA	3.36E+01	NA
Avian insectivores (AV221)	2.58E+02	1.96E+02	7.27E+00	1.19E+02	1.14E+02	NA	7.45E+01	NA
Avian insectivores (AV222)	3.49E+02	2.81E+02	4.29E+00	1.64E+02	1.57E+02	1.49E+00[a]	1.07E+02	1.44E+01[a]
Avian insectivores (AV222A)	2.48E+02	1.83E+02	2.58E+00	1.13E+02	1.09E+02	NA	6.99E+01	NA
Avian insectivores (AV232)	0.00E+00	1.35E-04	0.00E+00	NC	0.00E+00	NA	4.00E-04	NA
Avian insectivores (AV233)	0.00E+00	1.06E-04	0.00E+00	NC	0.00E+00	NA	3.15E-04	NA
White-faced ibis	0.00E+00	3.13E-04	0.00E+00	NC	0.00E+00	NA	9.27E-04	NA
Avian insectivores (AV241)	0.00E+00	1.23E-04	0.00E+00	NC	0.00E+00	NA	3.64E-04	NA
Avian insectivores (AV242)	0.00E+00	4.24E-04	0.00E+00	NC	0.00E+00	NA	1.25E-03	NA
Avian carnivores (AV310)	1.20E+00	1.35E+00	5.30E-03	3.87E-01	3.10E-01	NA	4.25E-01	NA
Northern goshawk	1.52E-01	1.71E-01	3.91E-04	4.89E-02	3.92E-02	NA	3.22E-02	NA
Peregrine falcon	1.08E+00	1.21E+00	2.79E-03	3.49E-01	2.79E-01	NA	2.23E-01	NA
Avian carnivores (AV322)	4.41E+01	4.93E+01	1.94E-01	1.42E+01	1.14E+01	NA	1.55E+01	NA
Bald eagle	3.87E-02	4.40E-02	1.71E-04	1.25E-02	9.98E-03	NA	1.54E-02	NA
Ferruginous hawk	1.48E-01	1.67E-01	6.52E-04	4.76E-02	3.81E-02	4.09E-04	5.49E-02	2.20E-01
Loggerhead shrike	5.64E+01	6.32E+01	2.49E-01	1.81E+01	1.45E+01	1.56E-01	1.98E+01	1.86E+01
Avian carnivores (AV322A)	6.35E+00	7.03E+00	2.77E-02	2.03E+00	1.63E+00	NA	2.21E+00	NA
Burrowing Owl	6.35E+00	7.03E+00	2.77E-02	2.03E+00	1.63E+00	2.99E-02	2.21E+00	4.66E+00
Avian carnivores (AV333)	0.00E+00	2.07E-04	0.00E+00	NC	0.00E+00	NA	6.12E-04	NA
Avian carnivores (AV342)	0.00E+00	3.26E-04	0.00E+00	NC	0.00E+00	NA	9.65E-04	NA
Avian omnivores (AV422)	9.28E-01	1.10E+00	4.32E-03	3.04E-01	2.44E-01	4.00E-02[a]	3.43E-01	1.15E+01[a]
Avian omnivores (AV432)	0.00E+00	1.12E-05	0.00E+00	NC	0.00E+00	NA	3.31E-05	NA
Avian omnivores (AV433)	0.00E+00	1.55E-05	0.00E+00	NC	0.00E+00	NA	4.59E-05	NA
Avian omnivores (AV442)	0.00E+00	5.66E-05	0.00E+00	NC	0.00E+00	NA	1.67E-04	NA
Mammalian herbivores (M121)	1.21E+01	1.40E+01	5.48E-02	4.02E+00	3.15E+00	NA	4.49E+00	NA
Mammalian herbivores (M122)	2.88E+03	2.38E+03	6.00E+01	1.37E+03	1.31E+03	1.69E-01[a]	9.00E+02	2.65E+01[a]

Table A2-12. (continued).

Maximum HQs Functional groups	Cadmium WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	2.96E+03	2.19E+03	4.22E+01	1.35E+03	1.30E+03	3.15E+02[a]	8.35E+02	1.36E+02[a]
Pygmy rabbit	1.17E+03	8.62E+02	1.78E+01	5.33E+02	5.11E+02	NA	3.29E+02	NA
Mammalian herbivores (M123)	1.85E+03	1.36E+03	3.79E+01	8.42E+02	8.08E+02	NA	5.20E+02	NA
Mammalian insectivores (M210)	6.54E+02	7.37E+02	2.90E+00	1.55E+02	1.24E+02	NA	2.31E+02	NA
Mammalian insectivores (M210A)	6.34E+02	7.15E+02	2.82E+00	8.28E+02	6.55E+02	NA	2.25E+02	NA
Townsend's western big-eared bat	1.79E+03	2.00E+03	7.88E+00	5.80E+02	4.62E+02	8.58E+00	6.30E+02	5.34E+02
Small-footed myotis	2.55E+03	2.85E+03	1.12E+01	8.26E+02	6.58E+02	NA	8.97E+02	NA
Long-eared myotis	2.21E+03	2.47E+03	9.72E+00	7.14E+02	5.65E+02	NA	7.76E+02	NA
Mammalian insectivores (M222)	5.67E+03	4.18E+03	1.63E+02	2.59E+03	2.48E+03	NA	1.60E+03	NA
Mammalian carnivore (M322)	2.40E+02	2.66E+02	1.05E+00	7.69E+01	6.17E+01	1.02E-03[a]	8.36E+01	5.47E-01[a]
Mammalian omnivores (M422)	4.49E+03	3.32E+03	2.67E+01	1.96E+03	1.57E+03	8.17E+02[a]	1.27E+03	3.55E+02[a]
Mammalian omnivores (M422A)	8.43E+01	9.34E+01	3.67E-01	2.70E+01	2.08E+01	NA	2.97E+01	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	4.97E+00	3.67E+00	7.00E+02	2.57E+00	4.09E+00	7.59E-01	NA	3.32E-01

Table A2-13. Average HQs across selected WAGs for Chromium III.

Average HQs	*Chromium III*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	9.68E-03	3.25E-03	8.35E-04	1.20E-02	9.26E-03	NA	3.64E-01	NA
Avian herbivores (AV122)	2.38E-01	1.09E-01	2.95E-02	3.00E-01	2.22E-01	NA	1.28E+01	5.80E-02[a]
Avian herbivores (AV132)	0.00E+00	1.21E-06	0.00E+00	NC	0.00E+00	NA	4.86E-03	NA
Avian herbivores (AV142)	0.00E+00	7.39E-07	0.00E+00	NC	0.00E+00	NA	2.97E-03	NA
Avian herbivores (AV143)	0.00E+00	1.98E-06	0.00E+00	NC	0.00E+00	NA	7.97E-03	0.00E+00[a]
Trumpeter swan	0.00E+00	5.19E-03	0.00E+00	NC	0.00E+00	NA	9.27E-03	NA
Avian insectivores (AV210)	9.57E-02	2.64E-02	6.49E-03	1.18E-01	9.27E-02	NA	2.83E+00	NA
Black tern	4.32E-02	1.82E-02	1.65E-02	5.41E-02	4.06E-02	NA	2.11E+00	NA
Avian insectivores (AV210A)	4.03E-01	9.80E-02	2.34E-02	4.93E-01	3.93E-01	NA	1.02E+01	NA
Avian insectivores (AV221)	1.86E+00	7.42E-01	4.83E-01	1.19E+00	1.52E+00	NA	3.40E+01	NA
Avian insectivores (AV222)	3.15E+00	8.77E-01	4.00E-01	1.89E+00	2.15E+00	NA	7.97E+01	5.30E-02[a]
Avian insectivores (AV222A)	2.59E+00	6.08E-01	2.41E-01	2.21E+00	2.56E+00	NA	5.20E+01	NA
Avian insectivores (AV232)	0.00E+00	3.97E-07	0.00E+00	NC	0.00E+00	NA	1.60E-03	NA
Avian insectivores (AV233)	0.00E+00	3.12E-07	0.00E+00	NC	0.00E+00	NA	1.26E-03	NA
White-faced ibis	0.00E+00	9.18E-07	0.00E+00	NC	0.00E+00	NA	3.70E-03	NA
Avian insectivores (AV241)	0.00E+00	3.60E-07	0.00E+00	NC	0.00E+00	NA	1.45E-03	NA
Avian insectivores (AV242)	0.00E+00	1.24E-06	0.00E+00	NC	0.00E+00	NA	5.00E-03	NA
Avian carnivores (AV310)	6.86E-03	1.74E-03	4.20E-04	8.40E-03	6.67E-03	NA	1.92E-01	NA
Northern goshawk	8.66E-04	2.21E-04	1.93E-05	1.06E-03	8.43E-04	NA	2.75E-02	NA
Peregrine falcon	6.18E-03	1.57E-03	1.38E-04	7.57E-03	6.01E-03	NA	1.69E-01	NA
Avian carnivores (AV322)	2.51E-01	6.38E-02	1.54E-02	3.08E-01	2.44E-01	NA	6.71E+00	NA
Bald eagle	2.21E-04	5.78E-05	1.35E-05	2.70E-04	2.15E-04	NA	1.30E-02	NA
Ferruginous hawk	8.43E-04	2.17E-04	5.16E-05	1.03E-03	8.20E-04	NA	3.40E-02	1.60E-03
Loggerhead shrike	3.22E-01	8.16E-02	1.97E-02	3.94E-01	3.13E-01	NA	8.59E+00	5.73E-02
Avian carnivores (AV322A)	3.94E-02	9.58E-03	2.28E-03	4.82E-02	3.84E-02	NA	9.99E-01	NA
Burrowing Owl	3.94E-02	9.58E-03	2.28E-03	4.82E-02	3.84E-02	NA	9.99E-01	1.50E-02
Avian carnivores (AV333)	0.00E+00	6.06E-07	0.00E+00	NC	0.00E+00	NA	2.44E-03	NA
Avian carnivores (AV342)	0.00E+00	9.56E-07	0.00E+00	NC	0.00E+00	NA	3.85E-03	NA
Avian omnivores (AV422)	8.98E-02	2.73E-02	6.86E-03	1.11E-01	8.65E-02	NA	2.99E+00	3.58E-02[a]
Avian omnivores (AV432)	0.00E+00	4.92E-07	0.00E+00	NC	0.00E+00	NA	1.98E-03	NA
Avian omnivores (AV433)	0.00E+00	6.83E-07	0.00E+00	NC	0.00E+00	NA	2.75E-03	NA
Avian omnivores (AV442)	0.00E+00	2.49E-06	0.00E+00	NC	0.00E+00	NA	1.00E-02	NA
Mammalian herbivores (M121)	6.73E-06	2.86E-06	6.70E-07	1.41E-05	6.38E-06	NA	4.70E-04	NA
Mammalian herbivores (M122)	1.00E-02	3.09E-03	1.82E-03	3.46E-03	4.04E-03	NA	2.21E-01	5.92E-05[a]

Table A2-13. (continued).

Average HQs Functional groups	*Chromium III*							
	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	1.37E-02	3.52E-03	1.51E-03	1.04E-02	1.29E-02	NA	2.41E-01	NA
Pygmy rabbit	1.91E-03	4.92E-04	2.18E-04	1.41E-03	1.76E-03	NA	3.25E-02	4.17E-04
Mammalian herbivores (M123)	9.35E-03	2.75E-03	1.42E-03	6.75E-03	8.94E-03	NA	1.51E-01	NA
Mammalian insectivores (M210)	7.69E-04	2.12E-04	5.21E-05	6.94E-04	5.48E-04	NA	2.27E-02	NA
Mammalian insectivores (M210A)	7.46E-04	2.12E-04	5.05E-05	4.26E-03	2.89E-03	NA	2.20E-02	NA
Townsend's western big-eared bat	1.97E-03	5.23E-04	1.25E-04	2.63E-03	1.92E-03	NA	5.43E-02	2.03E-04
Small-footed myotis	2.81E-03	7.45E-04	1.77E-04	3.74E-03	2.73E-03	NA	7.74E-02	NA
Long-eared myotis	2.43E-03	6.44E-04	1.54E-04	3.68E-03	2.49E-03	NA	6.70E-02	NA
Mammalian insectivores (M222)	1.50E-02	6.00E-03	3.67E-03	1.16E-02	1.49E-02	NA	2.48E-01	NA
Mammalian carnivore (M322)	6.46E-04	1.57E-04	3.74E-05	7.89E-04	6.29E-04	NA	1.64E-02	9.20E-07[a]
Mammalian omnivores (M422)	1.24E-02	2.59E-03	8.47E-04	1.29E-02	1.19E-02	NA	2.62E-01	3.29E-04[a]
Mammalian omnivores (M422A)	2.01E-04	4.90E-05	1.17E-05	2.46E-04	1.53E-04	NA	5.49E-03	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	1.64E+02	1.04E+02	2.80E+02	1.04E+00	1.56E+00	NA	1.45E+03	1.12E+00

Table A2-14. Maximum HQs across selected WAGs for Chromium III.

Maximum HQs	*Chromium III*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	1.12E-02	1.11E-02	1.63E-03	2.13E-02	2.37E-02	NA	2.09E+00	NA
Avian herbivores (AV122)	3.94E-01	3.91E-01	5.77E-02	6.92E-01	7.65E-01	NA	7.39E+01	4.65E-01[a]
Avian herbivores (AV132)	0.00E+00	9.67E-06	0.00E+00	NC	0.00E+00	NA	3.89E-02	NA
Avian herbivores (AV142)	0.00E+00	5.91E-06	0.00E+00	NC	0.00E+00	NA	2.38E-02	NA
Avian herbivores (AV143)	0.00E+00	1.58E-05	0.00E+00	NC	0.00E+00	NA	6.37E-02	0.00E+00[a]
Trumpeter swan	0.00E+00	1.86E-02	0.00E+00	NC	0.00E+00	NA	7.41E-02	NA
Avian insectivores (AV210)	1.43E-01	8.61E-02	1.27E-02	1.78E-01	2.78E-01	NA	1.63E+01	NA
Black tern	6.49E-02	6.44E-02	3.22E-02	1.16E-01	1.26E-01	NA	1.22E+01	NA
Avian insectivores (AV210A)	6.90E-01	3.10E-01	4.57E-02	7.66E-01	1.27E+00	NA	5.85E+01	NA
Avian insectivores (AV221)	3.33E+00	2.27E+00	9.45E-01	2.13E+00	4.25E+00	NA	1.30E+02	NA
Avian insectivores (AV222)	5.34E+00	1.59E+00	7.82E-01	3.37E+00	6.83E+00	NA	3.14E+02	4.29E-01[a]
Avian insectivores (AV222A)	3.22E+00	1.33E+00	4.71E-01	4.71E+00	9.31E+00	NA	2.04E+02	NA
Avian insectivores (AV232)	0.00E+00	3.17E-06	0.00E+00	NC	0.00E+00	NA	1.28E-02	NA
Avian insectivores (AV233)	0.00E+00	2.49E-06	0.00E+00	NC	0.00E+00	NA	1.00E-02	NA
White-faced ibis	0.00E+00	7.34E-06	0.00E+00	NC	0.00E+00	NA	2.96E-02	NA
Avian insectivores (AV241)	0.00E+00	2.88E-06	0.00E+00	NC	0.00E+00	NA	1.16E-02	NA
Avian insectivores (AV242)	0.00E+00	9.92E-06	0.00E+00	NC	0.00E+00	NA	4.00E-02	NA
Avian carnivores (AV310)	1.13E-02	5.59E-03	8.21E-04	1.27E-02	2.10E-02	NA	1.05E+00	NA
Northern goshawk	1.42E-03	7.12E-04	3.78E-05	1.60E-03	2.65E-03	NA	1.33E-01	NA
Peregrine falcon	1.01E-02	5.02E-03	2.70E-04	1.14E-02	1.89E-02	NA	9.47E-01	NA
Avian carnivores (AV322)	4.12E-01	2.04E-01	3.01E-02	4.64E-01	7.69E-01	NA	3.85E+01	NA
Bald eagle	3.62E-04	1.93E-04	2.64E-05	4.08E-04	6.76E-04	NA	5.69E-02	NA
Ferruginous hawk	1.38E-03	7.07E-04	1.01E-04	1.56E-03	2.58E-03	NA	1.29E-01	1.85E-02
Loggerhead shrike	5.28E-01	2.61E-01	3.85E-02	5.94E-01	9.85E-01	NA	4.93E+01	4.60E-01
Avian carnivores (AV322A)	6.75E-02	3.03E-02	4.47E-03	7.48E-02	1.24E-01	NA	5.72E+00	NA
Burrowing Owl	6.75E-02	3.03E-02	4.47E-03	7.48E-02	1.24E-01	NA	5.72E+00	1.20E-01
Avian carnivores (AV333)	0.00E+00	4.85E-06	0.00E+00	NC	0.00E+00	NA	1.95E-02	NA
Avian carnivores (AV342)	0.00E+00	7.65E-06	0.00E+00	NC	0.00E+00	NA	3.08E-02	NA
Avian omnivores (AV422)	1.17E-01	9.10E-02	1.34E-02	1.81E-01	2.42E-01	NA	1.72E+01	2.87E-01[a]
Avian omnivores (AV432)	0.00E+00	3.94E-06	0.00E+00	NC	0.00E+00	NA	1.59E-02	NA
Avian omnivores (AV433)	0.00E+00	5.46E-06	0.00E+00	NC	0.00E+00	NA	2.20E-02	NA
Avian omnivores (AV442)	0.00E+00	1.99E-05	0.00E+00	NC	0.00E+00	NA	8.01E-02	NA
Mammalian herbivores (M121)	8.96E-06	9.24E-06	1.31E-06	2.20E-05	1.74E-05	NA	1.68E-03	NA
Mammalian herbivores (M122)	2.22E-02	6.05E-03	3.55E-03	5.34E-03	1.00E-02	NA	8.65E-01	4.75E-04[a]

Table A2-14. (continued).

Maximum HQs	*Chromium III*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	2.03E-02	8.36E-03	2.96E-03	2.16E-02	4.28E-02	NA	9.41E-01	NA
Pygmy rabbit	2.91E-03	1.20E-03	4.26E-04	2.91E-03	5.75E-03	NA	1.26E-01	2.44E-03
Mammalian herbivores (M123)	1.50E-02	7.81E-03	2.77E-03	1.35E-02	2.67E-02	NA	5.86E-01	NA
Mammalian insectivores (M210)	1.15E-03	6.91E-04	1.02E-04	1.05E-03	1.64E-03	NA	1.31E-01	NA
Mammalian insectivores (M210A)	1.11E-03	6.70E-04	9.89E-05	6.63E-03	8.65E-03	NA	1.27E-01	NA
Townsend's western big-eared bat	3.15E-03	1.65E-03	2.44E-04	4.08E-03	5.94E-03	NA	3.12E-01	1.63E-03
Small-footed myotis	4.49E-03	2.35E-03	3.47E-04	5.81E-03	8.47E-03	NA	4.44E-01	NA
Long-eared myotis	3.88E-03	2.04E-03	3.00E-04	5.71E-03	7.46E-03	NA	3.84E-01	NA
Mammalian insectivores (M222)	2.42E-02	2.03E-02	7.18E-03	2.17E-02	4.29E-02	NA	9.43E-01	NA
Mammalian carnivore (M322)	1.11E-03	4.96E-04	7.32E-05	1.23E-03	2.03E-03	NA	9.37E-02	1.07E-05[a]
Mammalian omnivores (M422)	1.84E-02	5.50E-03	1.66E-03	2.78E-02	4.59E-02	NA	1.26E+00	2.48E-03[a]
Mammalian omnivores (M422A)	3.45E-04	1.55E-04	2.28E-05	3.82E-04	4.40E-04	NA	2.92E-02	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	2.64E+02	3.74E+02	7.70E+02	1.78E+00	3.52E+00	NA	5.15E+03	7.13E+00

Table A2-15. Average HQs across selected WAGs for Chromium VI.

Average HQs Functional groups	*Chromium VI*							
	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV122)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV132)	NA	NA	NA	NC	NA	NA	NA	NA
Avian herbivores (AV142)	NA	NA	NA	NC	NA	NA	NA	NA
Avian herbivores (AV143)	NA	NA	NA	NC	NA	NA	NA	NA
Trumpeter swan	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV210)	NA	NA	NA	NA	NA	NA	NA	NA
Black tern	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV210A)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV221)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV222)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV222A)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV232)	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV233)	NA	NA	NA	NC	NA	NA	NA	NA
White-faced ibis	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV241)	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV242)	NA	NA	NA	NC	NA	NA	NA	NA
Avian carnivores (AV310)	NA	NA	NA	NA	NA	NA	NA	NA
Northern goshawk	NA	NA	NA	NA	NA	NA	NA	NA
Peregrine falcon	NA	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV322)	NA	NA	NA	NA	NA	NA	NA	NA
Bald eagle	NA	NA	NA	NA	NA	NA	NA	NA
Ferruginous hawk	NA	NA	NA	NA	NA	NA	NA	NA
Loggerhead shrike	NA	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV322A)	NA	NA	NA	NA	NA	NA	NA	NA
Burrowing Owl	NA	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV333)	NA	NA	NA	NC	NA	NA	NA	NA
Avian carnivores (AV342)	NA	NA	NA	NC	NA	NA	NA	NA
Avian omnivores (AV422)	NA	NA	NA	NA	NA	NA	NA	NA
Avian omnivores (AV432)	NA	NA	NA	NC	NA	NA	NA	NA
Avian omnivores (AV433)	NA	NA	NA	NC	NA	NA	NA	NA
Avian omnivores (AV442)	NA	NA	NA	NC	NA	NA	NA	NA
Mammalian herbivores (M121)	3.72E-02	3.96E-05	1.71E-03	7.07E-02	4.84E-02	NA	2.37E-01	NA
Mammalian herbivores (M122)	7.20E+01	7.01E-02	4.63E+00	1.73E+01	6.77E+01	NA	1.63E+02	NA

Table A2-15. (continued).

Average HQs	*Chromium VI*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	6.87E+01	6.84E-02	3.86E+00	5.21E+01	9.11E+01	NA	1.77E+02	NA
Pygmy rabbit	9.70E+00	9.59E-03	5.56E-01	7.03E+00	1.26E+01	NA	2.38E+01	NA
Mammalian herbivores (M123)	4.88E+01	5.58E-02	3.61E+00	3.37E+01	6.97E+01	NA	1.11E+02	NA
Mammalian insectivores (M210)	2.89E+00	3.04E-03	1.33E-01	3.47E+00	3.51E+00	NA	1.67E+01	NA
Mammalian insectivores (M210A)	2.81E+00	2.99E-03	1.29E-01	2.13E+01	1.85E+01	NA	1.62E+01	NA
Townsend's western big-eared bat	6.92E+00	7.36E-03	3.18E-01	1.31E+01	1.19E+01	NA	4.00E+01	NA
Small-footed myotis	9.85E+00	1.05E-02	4.53E-01	1.87E+01	1.70E+01	NA	5.70E+01	NA
Long-eared myotis	8.52E+00	9.08E-03	3.91E-01	1.84E+01	1.59E+01	NA	4.93E+01	NA
Mammalian insectivores (M222)	7.85E+01	1.29E-01	9.37E+00	5.81E+01	1.19E+02	NA	1.83E+02	NA
Mammalian carnivore (M322)	2.08E+00	2.21E-03	9.54E-02	3.95E+00	3.81E+00	NA	1.20E+01	NA
Mammalian omnivores (M422)	4.41E+01	4.70E-02	2.03E+00	6.04E+01	6.98E+01	NA	1.81E+02	NA
Mammalian omnivores (M422A)	3.24E-01	3.45E-04	1.49E-02	6.15E-01	5.07E-01	NA	1.90E+00	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	1.71E+02	3.53E-01	2.01E+01	1.04E+00	2.29E+00	NA	2.13E+02	NA

Table A2-16. Maximum HQs across selected WAGs for Chromium VI.

Maximum HQs	*Chromium VI*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV122)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV132)	NA	NA	NA	NC	NA	NA	NA	NA
Avian herbivores (AV142)	NA	NA	NA	NC	NA	NA	NA	NA
Avian herbivores (AV143)	NA	NA	NA	NC	NA	NA	NA	NA
Trumpeter swan	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV210)	NA	NA	NA	NA	NA	NA	NA	NA
Black tern	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV210A)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV221)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV222)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV222A)	NA	NA	NA	NA	NA	NA	NA	NA
Avian insectivores (AV232)	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV233)	NA	NA	NA	NC	NA	NA	NA	NA
White-faced ibis	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV241)	NA	NA	NA	NC	NA	NA	NA	NA
Avian insectivores (AV242)	NA	NA	NA	NC	NA	NA	NA	NA
Avian carnivores (AV310)	NA	NA	NA	NA	NA	NA	NA	NA
Northern goshawk	NA	NA	NA	NA	NA	NA	NA	NA
Peregrine falcon	NA	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV322)	NA	NA	NA	NA	NA	NA	NA	NA
Bald eagle	NA	NA	NA	NA	NA	NA	NA	NA
Ferruginous hawk	NA	NA	NA	NA	NA	NA	NA	NA
Loggerhead shrike	NA	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV322A)	NA	NA	NA	NA	NA	NA	NA	NA
Burrowing Owl	NA	NA	NA	NA	NA	NA	NA	NA
Avian carnivores (AV333)	NA	NA	NA	NC	NA	NA	NA	NA
Avian carnivores (AV342)	NA	NA	NA	NC	NA	NA	NA	NA
Avian omnivores (AV422)	NA	NA	NA	NA	NA	NA	NA	NA
Avian omnivores (AV432)	NA	NA	NA	NC	NA	NA	NA	NA
Avian omnivores (AV433)	NA	NA	NA	NC	NA	NA	NA	NA
Avian omnivores (AV442)	NA	NA	NA	NC	NA	NA	NA	NA
Mammalian herbivores (M121)	4.48E-02	6.25E-05	3.35E-03	1.10E-01	1.09E-01	NA	1.06E+00	NA
Mammalian herbivores (M122)	1.11E+02	9.65E-02	9.09E+00	2.67E+01	2.95E+02	NA	4.79E+02	NA

Table A2-16. (continued).

Maximum HQs	*Chromium VI*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	1.01E+02	8.05E-02	7.58E+00	1.08E+02	2.46E+02	NA	5.21E+02	NA
Pygmy rabbit	1.46E+01	1.16E-02	1.09E+00	1.45E+01	3.54E+01	NA	7.00E+01	NA
Mammalian herbivores (M123)	7.51E+01	7.52E-02	7.08E+00	6.74E+01	2.30E+02	NA	3.24E+02	NA
Mammalian insectivores (M210)	3.48E+00	4.86E-03	2.61E-01	5.25E+00	8.20E+00	NA	7.22E+01	NA
Mammalian insectivores (M210A)	3.38E+00	4.71E-03	2.53E-01	3.31E+01	4.33E+01	NA	7.01E+01	NA
Townsend's western big-eared bat	8.33E+00	1.16E-02	6.23E-01	2.04E+01	2.97E+01	NA	1.73E+02	NA
Small-footed myotis	1.19E+01	1.65E-02	8.88E-01	2.91E+01	4.23E+01	NA	2.46E+02	NA
Long-eared myotis	1.03E+01	1.43E-02	7.68E-01	2.86E+01	3.73E+01	NA	2.13E+02	NA
Mammalian insectivores (M222)	1.21E+02	1.95E-01	1.84E+01	1.08E+02	4.07E+02	NA	5.22E+02	NA
Mammalian carnivore (M322)	2.50E+00	3.49E-03	1.87E-01	6.13E+00	1.01E+01	NA	5.19E+01	NA
Mammalian omnivores (M422)	5.31E+01	7.41E-02	3.97E+00	1.30E+02	2.15E+02	NA	6.55E+02	NA
Mammalian omnivores (M422A)	3.90E-01	5.44E-04	2.92E-02	9.55E-01	1.10E+00	NA	8.23E+00	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	2.64E+02	5.00E-01	3.25E+01	1.78E+00	6.67E+00	NA	5.70E+02	NA

Table A2-17. Average HQs across selected WAGs for Cobalt.

Average HQs	*Cobalt*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	1.20E+00	NA	NA	NA	1.06E-01	NA	5.04E-02	NA
Avian herbivores (AV122)	6.81E+00	NA	NA	NA	6.49E-01	4.54E-02[a]	2.96E-01	8.35E+00[a]
Avian herbivores (AV132)	0.00E+00	NA	NA	NA	0.00E+00	NA	1.91E-02	NA
Avian herbivores (AV142)	0.00E+00	NA	NA	NA	0.00E+00	NA	1.17E-02	NA
Avian herbivores (AV143)	0.00E+00	NA	NA	NA	0.00E+00	0.00E+00[a]	3.13E-02	0.00E+00[a]
Trumpeter swan	0.00E+00	NA	NA	NA	0.00E+00	NA	3.64E-02	NA
Avian insectivores (AV210)	2.05E+00	NA	NA	NA	1.81E-01	NA	1.32E-02	NA
Black tern	3.13E-01	NA	NA	NA	3.59E-02	NA	2.29E-02	NA
Avian insectivores (AV210A)	6.72E+00	NA	NA	NA	5.84E-01	NA	2.45E-02	NA
Avian insectivores (AV221)	1.79E+01	NA	NA	NA	4.41E+00	NA	2.69E-01	NA
Avian insectivores (AV222)	2.42E+01	NA	NA	NA	4.72E+00	1.41E-01[a]	3.06E-01	9.32E-01[a]
Avian insectivores (AV222A)	1.74E+01	NA	NA	NA	3.04E+00	NA	1.85E-01	NA
Avian insectivores (AV232)	0.00E+00	NA	NA	NA	0.00E+00	NA	6.28E-03	NA
Avian insectivores (AV233)	0.00E+00	NA	NA	NA	0.00E+00	NA	4.93E-03	NA
White-faced ibis	0.00E+00	NA	NA	NA	0.00E+00	NA	1.45E-02	NA
Avian insectivores (AV241)	0.00E+00	NA	NA	NA	0.00E+00	NA	5.70E-03	NA
Avian insectivores (AV242)	0.00E+00	NA	NA	NA	0.00E+00	NA	1.96E-02	NA
Avian carnivores (AV310)	4.83E-02	NA	NA	NA	4.28E-03	NA	3.60E-02	NA
Northern goshawk	6.11E-03	NA	NA	NA	5.41E-04	NA	1.74E-02	NA
Peregrine falcon	4.36E-02	NA	NA	NA	3.86E-03	NA	1.73E-02	NA
Avian carnivores (AV322)	1.77E+00	NA	NA	NA	1.57E-01	NA	2.73E-02	NA
Bald eagle	1.56E-03	NA	NA	NA	1.38E-04	NA	2.79E-02	NA
Ferruginous hawk	5.94E-03	NA	NA	NA	5.26E-04	2.25E-05	4.56E-02	2.16E-02
Loggerhead shrike	2.27E+00	NA	NA	NA	2.01E-01	8.59E-03	1.04E-01	6.91E-01
Avian carnivores (AV322A)	2.59E-01	NA	NA	NA	2.25E-02	NA	1.91E-02	NA
Burrowing Owl	2.59E-01	NA	NA	NA	2.25E-02	1.65E-03	1.91E-02	1.74E-01
Avian carnivores (AV333)	0.00E+00	NA	NA	NA	0.00E+00	NA	9.60E-03	NA
Avian carnivores (AV342)	0.00E+00	NA	NA	NA	0.00E+00	NA	1.51E-02	NA
Avian omnivores (AV422)	7.05E-01	NA	NA	NA	6.72E-02	1.35E-02[a]	3.11E-02	2.62E+00[a]
Avian omnivores (AV432)	0.00E+00	NA	NA	NA	0.00E+00	NA	7.67E-03	NA
Avian omnivores (AV433)	0.00E+00	NA	NA	NA	0.00E+00	NA	1.06E-02	NA
Avian omnivores (AV442)	0.00E+00	NA	NA	NA	0.00E+00	NA	3.88E-02	NA
Mammalian herbivores (M121)	1.68E-01	NA	NA	NA	1.49E-02	NA	2.00E-01	NA
Mammalian herbivores (M122)	3.99E+01	NA	NA	NA	8.44E+00	2.05E-03[a]	6.91E+00	2.20E-01[a]

Table A2-17. (continued).

Average HQs Functional groups	*Cobalt* WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	3.87E+01	NA	NA	NA	7.20E+00	NA	4.81E+00	NA
Pygmy rabbit	1.59E+01	NA	NA	NA	3.01E+00	3.83E+00	2.26E+00	1.71E+00
Mammalian herbivores (M123)	2.41E+01	NA	NA	NA	4.97E+00	NA	4.54E+00	NA
Mammalian insectivores (M210)	4.54E+00	NA	NA	NA	2.95E-01	NA	1.03E-02	NA
Mammalian insectivores (M210A)	4.40E+00	NA	NA	NA	1.56E+00	NA	8.54E-03	NA
Townsend's western big-eared bat	1.24E+01	NA	NA	NA	1.09E+00	4.91E-03	4.88E-01	2.07E-01
Small-footed myotis	1.77E+01	NA	NA	NA	1.55E+00	NA	6.86E-01	NA
Long-eared myotis	1.53E+01	NA	NA	NA	1.34E+00	NA	5.96E-01	NA
Mammalian insectivores (M222)	3.94E+01	NA	NA	NA	9.60E+00	NA	5.22E-01	NA
Mammalian carnivore (M322)	1.00E+00	NA	NA	NA	8.70E-02	3.42E-07[a]	6.15E-02	3.28E-04[a]
Mammalian omnivores (M422)	1.70E+01	NA	NA	NA	2.01E+00	2.07E+00[a]	1.94E-01	6.68E-01[a]
Mammalian omnivores (M422A)	1.61E-02	NA	NA	NA	1.39E-03	NA	2.19E-02	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	NA	NA	NA	NA	NA	NA	1.29E+01	NA

Table A2-18. Maximum HQs across selected WAGs for Cobalt.

Maximum HQs	*Cobalt*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	1.20E+00	NA	NA	NA	3.62E-01	NA	4.61E-02	NA
Avian herbivores (AV122)	6.81E+00	NA	NA	NA	2.22E+00	9.07E-02[a]	2.85E-01	7.05E+01[a]
Avian herbivores (AV132)	0.00E+00	NA	NA	NA	0.00E+00	NA	1.52E-02	NA
Avian herbivores (AV142)	0.00E+00	NA	NA	NA	0.00E+00	NA	9.31E-03	NA
Avian herbivores (AV143)	0.00E+00	NA	NA	NA	0.00E+00	0.00E+00[a]	2.50E-02	0.00E+00[a]
Trumpeter swan	0.00E+00	NA	NA	NA	0.00E+00	NA	2.90E-02	NA
Avian insectivores (AV210)	2.05E+00	NA	NA	NA	6.22E-01	NA	7.99E-03	NA
Black tern	3.13E-01	NA	NA	NA	1.23E-01	NA	1.58E-02	NA
Avian insectivores (AV210A)	6.72E+00	NA	NA	NA	2.00E+00	NA	1.26E-02	NA
Avian insectivores (AV221)	1.79E+01	NA	NA	NA	1.07E+01	NA	2.61E-01	NA
Avian insectivores (AV222)	2.42E+01	NA	NA	NA	1.55E+01	2.83E-01[a]	2.90E-01	7.82E+00[a]
Avian insectivores (AV222A)	1.74E+01	NA	NA	NA	1.01E+01	NA	1.75E-01	NA
Avian insectivores (AV232)	0.00E+00	NA	NA	NA	0.00E+00	NA	5.00E-03	NA
Avian insectivores (AV233)	0.00E+00	NA	NA	NA	0.00E+00	NA	3.93E-03	NA
White-faced ibis	0.00E+00	NA	NA	NA	0.00E+00	NA	1.16E-02	NA
Avian insectivores (AV241)	0.00E+00	NA	NA	NA	0.00E+00	NA	4.54E-03	NA
Avian insectivores (AV242)	0.00E+00	NA	NA	NA	0.00E+00	NA	1.56E-02	NA
Avian carnivores (AV310)	4.83E-02	NA	NA	NA	1.47E-02	NA	2.86E-02	NA
Northern goshawk	6.11E-03	NA	NA	NA	1.85E-03	NA	1.37E-02	NA
Peregrine falcon	4.36E-02	NA	NA	NA	1.32E-02	NA	1.25E-02	NA
Avian carnivores (AV322)	1.77E+00	NA	NA	NA	5.38E-01	NA	1.96E-02	NA
Bald eagle	1.56E-03	NA	NA	NA	4.72E-04	NA	2.22E-02	NA
Ferruginous hawk	5.94E-03	NA	NA	NA	1.80E-03	4.50E-05	3.61E-02	2.71E-01
Loggerhead shrike	2.27E+00	NA	NA	NA	6.88E-01	1.72E-02	8.78E-02	5.83E+00
Avian carnivores (AV322A)	2.59E-01	NA	NA	NA	7.71E-02	NA	9.82E-03	NA
Burrowing Owl	2.59E-01	NA	NA	NA	7.71E-02	3.30E-03	9.82E-03	1.47E+00
Avian carnivores (AV333)	0.00E+00	NA	NA	NA	0.00E+00	NA	7.65E-03	NA
Avian carnivores (AV342)	0.00E+00	NA	NA	NA	0.00E+00	NA	1.21E-02	NA
Avian omnivores (AV422)	7.05E-01	NA	NA	NA	2.30E-01	2.69E-02[a]	1.57E-02	2.21E+01[a]
Avian omnivores (AV432)	0.00E+00	NA	NA	NA	0.00E+00	NA	6.11E-03	NA
Avian omnivores (AV433)	0.00E+00	NA	NA	NA	0.00E+00	NA	8.47E-03	NA
Avian omnivores (AV442)	0.00E+00	NA	NA	NA	0.00E+00	NA	3.09E-02	NA
Mammalian herbivores (M121)	1.68E-01	NA	NA	NA	5.10E-02	NA	1.54E-01	NA
Mammalian herbivores (M122)	3.99E+01	NA	NA	NA	2.48E+01	4.11E-03[a]	6.89E+00	1.86E+00[a]

Table A2-18. (continued).

Maximum HQs	*Cobalt*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	3.87E+01	NA	NA	NA	2.25E+01	NA	4.79E+00	NA
Pygmy rabbit	1.59E+01	NA	NA	NA	9.29E+00	7.66E+00	2.12E+00	9.57E+00
Mammalian herbivores (M123)	2.41E+01	NA	NA	NA	1.40E+01	NA	4.48E+00	NA
Mammalian insectivores (M210)	4.54E+00	NA	NA	NA	1.01E+00	NA	6.96E-03	NA
Mammalian insectivores (M210A)	4.40E+00	NA	NA	NA	5.34E+00	NA	6.75E-03	NA
Townsend's western big-eared bat	1.24E+01	NA	NA	NA	3.74E+00	9.83E-03	4.77E-01	1.75E+00
Small-footed myotis	1.77E+01	NA	NA	NA	5.33E+00	NA	6.79E-01	NA
Long-eared myotis	1.53E+01	NA	NA	NA	4.61E+00	NA	5.87E-01	NA
Mammalian insectivores (M222)	3.94E+01	NA	NA	NA	2.30E+01	NA	5.14E-01	NA
Mammalian carnivore (M322)	1.00E+00	NA	NA	NA	2.98E-01	6.84E-07[a]	4.61E-02	4.11E-03[a]
Mammalian omnivores (M422)	1.70E+01	NA	NA	NA	6.90E+00	4.14E+00[a]	1.85E-01	5.17E+00[a]
Mammalian omnivores (M422A)	1.61E-02	NA	NA	NA	4.76E-03	NA	1.73E-02	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	NA	NA	NA	NA	NA	NA	1.29E+01	NA

Table A2-19. Average HQs across selected WAGs for Copper.

Average HQs	*Copper*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	7.29E-01	1.16E-01	NA	1.11E-01	1.66E-01	NA	8.70E-02	NA
Avian herbivores (AV122)	4.15E+00	8.01E-01	NA	6.57E-01	1.07E+00	NA	5.43E-01	3.75E+00[a]
Avian herbivores (AV132)	0.00E+00	5.88E-06	NA	NC	0.00E+00	NA	4.70E-04	NA
Avian herbivores (AV142)	0.00E+00	3.59E-06	NA	NC	0.00E+00	NA	2.87E-04	NA
Avian herbivores (AV143)	0.00E+00	9.62E-06	NA	NC	0.00E+00	NA	7.70E-04	0.00E+00[a]
Trumpeter swan	0.00E+00	4.20E-02	NA	NC	0.00E+00	NA	8.95E-04	NA
Avian insectivores (AV210)	3.10E+00	4.89E-01	NA	4.71E-01	7.05E-01	NA	3.69E-01	NA
Black tern	4.78E-01	9.78E-02	NA	7.67E-02	1.28E-01	NA	6.46E-02	NA
Avian insectivores (AV210A)	1.02E+01	1.57E+00	NA	1.54E+00	2.29E+00	NA	1.20E+00	NA
Avian insectivores (AV221)	2.71E+01	2.88E+00	NA	6.80E+00	6.73E+00	NA	5.01E+00	NA
Avian insectivores (AV222)	3.67E+01	4.17E+00	NA	7.49E+00	9.06E+00	NA	5.86E+00	7.41E+00[a]
Avian insectivores (AV222A)	2.62E+01	2.71E+00	NA	5.26E+00	6.24E+00	NA	3.98E+00	NA
Avian insectivores (AV232)	0.00E+00	1.93E-06	NA	NC	0.00E+00	NA	1.54E-04	NA
Avian insectivores (AV233)	0.00E+00	1.52E-06	NA	NC	0.00E+00	NA	1.21E-04	NA
White-faced ibis	0.00E+00	4.46E-06	NA	NC	0.00E+00	NA	3.57E-04	NA
Avian insectivores (AV241)	0.00E+00	1.75E-06	NA	NC	0.00E+00	NA	1.40E-04	NA
Avian insectivores (AV242)	0.00E+00	6.03E-06	NA	NC	0.00E+00	NA	4.82E-04	NA
Avian carnivores (AV310)	1.47E-02	2.51E-03	NA	2.26E-03	3.49E-03	NA	2.69E-03	NA
Northern goshawk	1.85E-03	3.21E-04	NA	2.86E-04	4.41E-04	NA	6.50E-04	NA
Peregrine falcon	1.32E-02	2.25E-03	NA	2.04E-03	3.15E-03	NA	2.01E-03	NA
Avian carnivores (AV322)	5.37E-01	9.14E-02	NA	8.29E-02	1.28E-01	NA	6.67E-02	NA
Bald eagle	4.72E-04	8.89E-05	NA	7.28E-05	1.12E-04	NA	7.43E-04	NA
Ferruginous hawk	1.80E-03	3.21E-04	NA	2.78E-04	4.29E-04	NA	1.34E-03	6.44E-03
Loggerhead shrike	6.88E-01	1.17E-01	NA	1.06E-01	1.64E-01	NA	8.50E-02	1.14E+00
Avian carnivores (AV322A)	8.77E-02	1.36E-02	NA	1.33E-02	1.97E-02	NA	1.06E-02	NA
Burrowing Owl	8.77E-02	1.36E-02	NA	1.33E-02	1.97E-02	NA	1.06E-02	2.86E-01
Avian carnivores (AV333)	0.00E+00	2.95E-06	NA	NC	0.00E+00	NA	2.36E-04	NA
Avian carnivores (AV342)	0.00E+00	4.65E-06	NA	NC	0.00E+00	NA	3.72E-04	NA
Avian omnivores (AV422)	8.86E-01	1.54E-01	NA	1.37E-01	2.14E-01	NA	1.11E-01	2.32E+00[a]
Avian omnivores (AV432)	0.00E+00	2.39E-06	NA	NC	0.00E+00	NA	1.91E-04	NA
Avian omnivores (AV433)	0.00E+00	3.32E-06	NA	NC	0.00E+00	NA	2.65E-04	NA
Avian omnivores (AV442)	0.00E+00	1.21E-05	NA	NC	0.00E+00	NA	9.67E-04	NA
Mammalian herbivores (M121)	4.09E-01	6.68E-02	NA	6.51E-02	9.47E-02	NA	6.96E-02	NA
Mammalian herbivores (M122)	9.76E+01	1.17E+01	NA	2.16E+01	2.50E+01	NA	1.71E+01	6.21E+00[a]

Table A2-19. (continued).

Average HQs Functional groups	*Copper* WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	1.05E+02	1.08E+01	NA	2.19E+01	2.52E+01	NA	1.65E+01	NA
Pygmy rabbit	3.99E+01	4.12E+00	NA	8.43E+00	9.61E+00	NA	6.34E+00	3.33E+01
Mammalian herbivores (M123)	6.53E+01	6.75E+00	NA	1.47E+01	1.58E+01	NA	1.09E+01	NA
Mammalian insectivores (M210)	2.76E+01	4.36E+00	NA	3.09E+00	4.62E+00	NA	3.28E+00	NA
Mammalian insectivores (M210A)	2.68E+01	4.23E+00	NA	1.65E+01	2.43E+01	NA	3.22E+00	NA
Townsend's western big-eared bat	7.56E+01	1.18E+01	NA	1.16E+01	1.71E+01	NA	9.01E+00	8.08E+01
Small-footed myotis	1.08E+02	1.68E+01	NA	1.65E+01	2.44E+01	NA	1.28E+01	NA
Long-eared myotis	9.32E+01	1.46E+01	NA	1.43E+01	2.10E+01	NA	1.11E+01	NA
Mammalian insectivores (M222)	2.39E+02	2.47E+01	NA	6.09E+01	5.89E+01	NA	4.42E+01	NA
Mammalian carnivore (M322)	5.31E-01	8.22E-02	NA	8.04E-02	1.19E-01	NA	6.45E-02	1.52E-03[a]
Mammalian omnivores (M422)	1.46E+02	1.51E+01	NA	2.67E+01	2.90E+01	NA	1.96E+01	5.49E+01[a]
Mammalian omnivores (M422A)	2.73E+00	4.24E-01	NA	4.14E-01	5.91E-01	NA	3.86E-01	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	5.62E+00	5.80E-01	NA	9.07E-01	7.96E-01	NA	1.35E+00	2.05E+00

Table A2-20. Maximum HQs across selected WAGs for Copper.

Maximum HQs	*Copper*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	1.41E+00	1.16E-01	NA	3.33E-01	6.39E-01	NA	3.30E-01	NA
Avian herbivores (AV122)	7.99E+00	8.01E-01	NA	1.91E+00	4.43E+00	NA	2.15E+00	4.36E+01[a]
Avian herbivores (AV132)	0.00E+00	5.88E-06	NA	NC	0.00E+00	NA	4.23E-03	NA
Avian herbivores (AV142)	0.00E+00	3.59E-06	NA	NC	0.00E+00	NA	2.59E-03	NA
Avian herbivores (AV143)	0.00E+00	9.62E-06	NA	NC	0.00E+00	NA	6.93E-03	0.00E+00[a]
Trumpeter swan	0.00E+00	4.20E-02	NA	NC	0.00E+00	NA	8.06E-03	NA
Avian insectivores (AV210)	6.01E+00	4.89E-01	NA	1.41E+00	2.71E+00	NA	1.40E+00	NA
Black tern	9.19E-01	9.78E-02	NA	2.21E-01	5.41E-01	NA	2.60E-01	NA
Avian insectivores (AV210A)	1.97E+01	1.57E+00	NA	4.64E+00	8.71E+00	NA	4.60E+00	NA
Avian insectivores (AV221)	5.25E+01	2.88E+00	NA	1.76E+01	3.01E+01	NA	1.67E+01	NA
Avian insectivores (AV222)	7.10E+01	4.17E+00	NA	2.40E+01	4.10E+01	NA	2.25E+01	8.90E+01[a]
Avian insectivores (AV222A)	5.09E+01	2.71E+00	NA	1.71E+01	2.91E+01	NA	1.62E+01	NA
Avian insectivores (AV232)	0.00E+00	1.93E-06	NA	NC	0.00E+00	NA	1.39E-03	NA
Avian insectivores (AV233)	0.00E+00	1.52E-06	NA	NC	0.00E+00	NA	1.09E-03	NA
White-faced ibis	0.00E+00	4.46E-06	NA	NC	0.00E+00	NA	3.21E-03	NA
Avian insectivores (AV241)	0.00E+00	1.75E-06	NA	NC	0.00E+00	NA	1.26E-03	NA
Avian insectivores (AV242)	0.00E+00	6.03E-06	NA	NC	0.00E+00	NA	4.34E-03	NA
Avian carnivores (AV310)	2.84E-02	2.51E-03	NA	6.72E-03	1.38E-02	NA	1.46E-02	NA
Northern goshawk	3.58E-03	3.21E-04	NA	8.49E-04	1.74E-03	NA	4.64E-03	NA
Peregrine falcon	2.56E-02	2.25E-03	NA	6.05E-03	1.24E-02	NA	9.42E-03	NA
Avian carnivores (AV322)	1.04E+00	9.14E-02	NA	2.46E-01	5.05E-01	NA	2.50E-01	NA
Bald eagle	9.13E-04	8.89E-05	NA	2.16E-04	4.44E-04	NA	6.38E-03	NA
Ferruginous hawk	3.49E-03	3.21E-04	NA	8.26E-04	1.70E-03	NA	1.08E-02	5.85E-02
Loggerhead shrike	1.33E+00	1.17E-01	NA	3.15E-01	6.47E-01	NA	3.20E-01	1.14E+01
Avian carnivores (AV322A)	1.70E-01	1.36E-02	NA	4.00E-02	7.51E-02	NA	4.17E-02	NA
Burrowing Owl	1.70E-01	1.36E-02	NA	4.00E-02	7.51E-02	NA	4.17E-02	3.54E+00
Avian carnivores (AV333)	0.00E+00	2.95E-06	NA	NC	0.00E+00	NA	2.12E-03	NA
Avian carnivores (AV342)	0.00E+00	4.65E-06	NA	NC	0.00E+00	NA	3.35E-03	NA
Avian omnivores (AV422)	1.71E+00	1.54E-01	NA	4.06E-01	8.51E-01	NA	4.19E-01	2.66E+01[a]
Avian omnivores (AV432)	0.00E+00	2.39E-06	NA	NC	0.00E+00	NA	1.72E-03	NA
Avian omnivores (AV433)	0.00E+00	3.32E-06	NA	NC	0.00E+00	NA	2.39E-03	NA
Avian omnivores (AV442)	0.00E+00	1.21E-05	NA	NC	0.00E+00	NA	8.71E-03	NA
Mammalian herbivores (M121)	7.93E-01	6.68E-02	NA	1.96E-01	3.68E-01	NA	3.66E-01	NA
Mammalian herbivores (M122)	1.88E+02	1.17E+01	NA	6.39E+01	1.10E+02	NA	5.98E+01	7.72E+01[a]

Table A2-20. (continued).

Maximum HQs	*Copper*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	2.04E+02	1.08E+01	NA	6.82E+01	1.16E+02	NA	6.46E+01	NA
Pygmy rabbit	7.75E+01	4.12E+00	NA	2.59E+01	4.43E+01	NA	2.47E+01	3.97E+02
Mammalian herbivores (M123)	1.27E+02	6.75E+00	NA	4.25E+01	7.25E+01	NA	4.03E+01	NA
Mammalian insectivores (M210)	5.35E+01	4.36E+00	NA	9.27E+00	1.77E+01	NA	1.25E+01	NA
Mammalian insectivores (M210A)	5.19E+01	4.23E+00	NA	4.98E+01	9.35E+01	NA	1.24E+01	NA
Townsend's western big-eared bat	1.47E+02	1.18E+01	NA	3.48E+01	6.54E+01	NA	3.46E+01	9.92E+02
Small-footed myotis	2.09E+02	1.68E+01	NA	4.96E+01	9.32E+01	NA	4.92E+01	NA
Long-eared myotis	1.81E+02	1.46E+01	NA	4.29E+01	8.06E+01	NA	4.26E+01	NA
Mammalian insectivores (M222)	4.65E+02	2.47E+01	NA	1.56E+02	2.66E+02	NA	1.48E+02	NA
Mammalian carnivore (M322)	1.03E+00	8.22E-02	NA	2.42E-01	4.55E-01	NA	2.57E-01	1.38E-02[a]
Mammalian omnivores (M422)	2.83E+02	1.51E+01	NA	9.05E+01	1.29E+02	NA	8.98E+01	6.63E+02[a]
Mammalian omnivores (M422A)	5.30E+00	4.24E-01	NA	1.25E+00	2.34E+00	NA	1.81E+00	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	1.09E+01	5.80E-01	NA	1.46E+00	2.49E+00	NA	3.46E+00	2.42E+01

Table A2-21. Average HQs across selected WAGs for Fluoride.

Average HQs	*Fluoride*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	9.97E-01	1.17E-01	8.83E-01	NA	2.91E-04	NA	1.24E-03	NA
Avian herbivores (AV122)	6.15E+00	7.21E-01	5.45E+00	NA	1.65E-03	NA	4.37E-02	NC
Avian herbivores (AV132)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	9.53E-04	NA
Avian herbivores (AV142)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	1.35E-04	NA
Avian herbivores (AV143)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	9.13E-04	NC
Trumpeter swan	0.00E+00	3.83E-02	0.00E+00	NA	0.00E+00	NA	1.06E-03	NA
Avian insectivores (AV210)	1.71E+00	2.01E-01	1.52E+00	NA	4.96E-04	NA	6.18E-03	NA
Black tern	3.42E-01	4.01E-02	3.03E-01	NA	7.59E-05	NA	1.74E-03	NA
Avian insectivores (AV210A)	5.51E+00	6.46E-01	4.09E+00	NA	1.63E-03	NA	1.64E-02	NA
Avian insectivores (AV221)	1.48E+01	1.34E+01	1.29E+01	NA	3.27E-02	NA	1.33E-01	NA
Avian insectivores (AV222)	2.14E+01	6.61E+00	1.03E+01	NA	1.51E-02	NA	2.18E-01	NC
Avian insectivores (AV222A)	1.39E+01	3.99E+00	6.50E+00	NA	1.00E-02	NA	9.13E-02	NA
Avian insectivores (AV232)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	1.05E-03	NA
Avian insectivores (AV233)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	1.46E-04	NA
White-faced ibis	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	4.30E-04	NA
Avian insectivores (AV241)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	1.69E-04	NA
Avian insectivores (AV242)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	9.51E-04	NA
Avian carnivores (AV310)	2.70E-02	3.16E-03	2.39E-02	NA	7.81E-06	NA	1.53E-03	NA
Northern goshawk	3.41E-03	3.99E-04	3.02E-03	NA	9.86E-07	NA	7.13E-04	NA
Peregrine falcon	2.43E-02	2.85E-03	2.15E-02	NA	7.03E-06	NA	6.88E-04	NA
Avian carnivores (AV322)	9.88E-01	1.16E-01	8.75E-01	NA	2.86E-04	NA	4.30E-03	NA
Bald eagle	8.68E-04	1.02E-04	7.69E-04	NA	2.51E-07	NA	1.74E-03	NA
Ferruginous hawk	3.31E-03	3.88E-04	2.94E-03	NA	9.59E-07	NA	2.83E-03	NC
Loggerhead shrike	1.26E+00	1.48E-01	1.12E+00	NA	3.66E-04	NA	4.54E-03	NC
Avian carnivores (AV322A)	1.41E-01	1.66E-02	1.25E-01	NA	4.18E-05	NA	1.55E-04	NA
Burrowing Owl	1.41E-01	1.66E-02	1.25E-01	NA	4.18E-05	NA	1.55E-04	NC
Avian carnivores (AV333)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	9.18E-05	NA
Avian carnivores (AV342)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	8.83E-05	NA
Avian omnivores (AV422)	9.71E-01	1.14E-01	8.60E-01	NA	2.60E-04	NA	4.43E-03	NC
Avian omnivores (AV432)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	1.35E-04	NA
Avian omnivores (AV433)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	1.32E-04	NA
Avian omnivores (AV442)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	2.12E-03	NA
Mammalian herbivores (M121)	1.17E-02	1.37E-03	1.03E-02	NA	3.36E-06	NA	1.18E-04	NA
Mammalian herbivores (M122)	2.84E+00	1.45E+00	1.74E+00	NA	3.40E-03	NA	3.35E-02	NC

Table A2-21. (continued).

Average HQs Functional groups	*Fluoride*							
	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	2.58E+00	1.01E+00	1.38E+00	NA	2.53E-03	NA	2.63E-02	NA
Pygmy rabbit	1.06E+00	4.44E-01	5.88E-01	NA	1.11E-03	NA	1.26E-02	NC
Mammalian herbivores (M123)	1.60E+00	9.40E-01	1.07E+00	NA	2.36E-03	NA	1.14E-02	NA
Mammalian insectivores (M210)	3.15E-01	3.69E-02	2.33E-01	NA	6.67E-05	NA	4.12E-04	NA
Mammalian insectivores (M210A)	3.05E-01	3.57E-02	2.26E-01	NA	3.52E-04	NA	3.82E-04	NA
Townsend's western big-eared bat	8.53E-01	1.00E-01	6.33E-01	NA	2.49E-04	NA	1.09E-03	NC
Small-footed myotis	1.22E+00	1.42E-01	9.01E-01	NA	3.54E-04	NA	1.52E-03	NA
Long-eared myotis	1.05E+00	1.23E-01	7.80E-01	NA	3.03E-04	NA	1.33E-03	NA
Mammalian insectivores (M222)	2.62E+00	2.48E+00	2.36E+00	NA	6.22E-03	NA	3.40E-02	NA
Mammalian carnivore (M322)	2.27E-02	2.66E-03	2.01E-02	NA	6.69E-06	NA	1.14E-04	NC
Mammalian omnivores (M422)	1.70E+00	2.77E-01	6.55E-01	NA	6.94E-04	NA	6.89E-03	NC
Mammalian omnivores (M422A)	3.25E-02	3.81E-03	2.88E-02	NA	8.66E-06	NA	1.50E-03	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	NA	NA	NA	NA	NA	NA	NA	NC

Table A2-22. Maximum HQs across selected WAGs for Fluoride.

Maximum HQs	*Fluoride*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	9.97E-01	1.17E-01	4.83E+00	NA	2.91E-04	NA	2.84E-03	NA
Avian herbivores (AV122)	6.15E+00	7.21E-01	2.98E+01	NA	1.65E-03	NA	1.08E-01	NC
Avian herbivores (AV132)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	2.86E-03	NA
Avian herbivores (AV142)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	4.06E-04	NA
Avian herbivores (AV143)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	2.74E-03	NC
Trumpeter swan	0.00E+00	3.83E-02	0.00E+00	NA	0.00E+00	NA	3.19E-03	NA
Avian insectivores (AV210)	1.71E+00	2.01E-01	8.31E+00	NA	4.96E-04	NA	1.36E-02	NA
Black tern	3.42E-01	4.01E-02	1.66E+00	NA	7.59E-05	NA	2.72E-03	NA
Avian insectivores (AV210A)	5.51E+00	6.46E-01	2.20E+01	NA	1.63E-03	NA	4.01E-02	NA
Avian insectivores (AV221)	1.48E+01	1.34E+01	5.22E+01	NA	3.27E-02	NA	2.64E-01	NA
Avian insectivores (AV222)	2.14E+01	6.61E+00	3.57E+01	NA	1.51E-02	NA	5.52E-01	NC
Avian insectivores (AV222A)	1.39E+01	3.99E+00	2.32E+01	NA	1.00E-02	NA	2.34E-01	NA
Avian insectivores (AV232)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	3.15E-03	NA
Avian insectivores (AV233)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	4.38E-04	NA
White-faced ibis	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	1.29E-03	NA
Avian insectivores (AV241)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	5.06E-04	NA
Avian insectivores (AV242)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	2.85E-03	NA
Avian carnivores (AV310)	2.70E-02	3.16E-03	1.31E-01	NA	7.81E-06	NA	4.43E-03	NA
Northern goshawk	3.41E-03	3.99E-04	1.65E-02	NA	9.86E-07	NA	2.12E-03	NA
Peregrine falcon	2.43E-02	2.85E-03	1.18E-01	NA	7.03E-06	NA	1.93E-03	NA
Avian carnivores (AV322)	9.88E-01	1.16E-01	4.79E+00	NA	2.86E-04	NA	7.27E-03	NA
Bald eagle	8.68E-04	1.02E-04	4.21E-03	NA	2.51E-07	NA	5.20E-03	NA
Ferruginous hawk	3.31E-03	3.88E-04	1.61E-02	NA	9.59E-07	NA	8.47E-03	NC
Loggerhead shrike	1.26E+00	1.48E-01	6.13E+00	NA	3.66E-04	NA	9.31E-03	NC
Avian carnivores (AV322A)	1.41E-01	1.66E-02	6.86E-01	NA	4.18E-05	NA	2.76E-04	NA
Burrowing Owl	1.41E-01	1.66E-02	6.86E-01	NA	4.18E-05	NA	2.76E-04	NC
Avian carnivores (AV333)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	2.75E-04	NA
Avian carnivores (AV342)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	2.65E-04	NA
Avian omnivores (AV422)	9.71E-01	1.14E-01	4.71E+00	NA	2.60E-04	NA	6.75E-03	NC
Avian omnivores (AV432)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	4.06E-04	NA
Avian omnivores (AV433)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	3.95E-04	NA
Avian omnivores (AV442)	0.00E+00	0.00E+00	0.00E+00	NA	0.00E+00	NA	6.37E-03	NA
Mammalian herbivores (M121)	1.17E-02	1.37E-03	5.65E-02	NA	3.36E-06	NA	3.46E-04	NA
Mammalian herbivores (M122)	2.84E+00	1.45E+00	5.65E+00	NA	3.40E-03	NA	7.78E-02	NC

Table A2-22. (continued).

Maximum HQs	*Fluoride*							
Functional groups	WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	2.58E+00	1.01E+00	4.29E+00	NA	2.53E-03	NA	6.40E-02	NA
Pygmy rabbit	1.06E+00	4.44E-01	1.77E+00	NA	1.11E-03	NA	2.64E-02	NC
Mammalian herbivores (M123)	1.60E+00	9.40E-01	3.67E+00	NA	2.36E-03	NA	2.49E-02	NA
Mammalian insectivores (M210)	3.15E-01	3.69E-02	1.25E+00	NA	6.67E-05	NA	1.05E-03	NA
Mammalian insectivores (M210A)	3.05E-01	3.57E-02	1.21E+00	NA	3.52E-04	NA	9.88E-04	NA
Townsend's western big-eared bat	8.53E-01	1.00E-01	3.40E+00	NA	2.49E-04	NA	2.76E-03	NC
Small-footed myotis	1.22E+00	1.42E-01	4.84E+00	NA	3.54E-04	NA	3.94E-03	NA
Long-eared myotis	1.05E+00	1.23E-01	4.19E+00	NA	3.03E-04	NA	3.41E-03	NA
Mammalian insectivores (M222)	2.62E+00	2.48E+00	9.69E+00	NA	6.22E-03	NA	6.65E-02	NA
Mammalian carnivore (M322)	2.27E-02	2.66E-03	1.10E-01	NA	6.69E-06	NA	2.39E-04	NC
Mammalian omnivores (M422)	1.70E+00	2.77E-01	2.83E+00	NA	6.94E-04	NA	1.78E-02	NC
Mammalian omnivores (M422A)	3.25E-02	3.81E-03	1.58E-01	NA	8.66E-06	NA	4.42E-03	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	NA	NA	NA	NA	NA	NA	NA	NC

Table A2-23. Average HQs across selected WAGs for Lead.

Average HQs Functional groups	*Lead* WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Amphibians (A232)	NA	NA	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	6.98E+00	4.21E-01	3.50E-02	9.30E-01	7.56E-01	NA	4.66E-01	NA
Avian herbivores (AV122)	8.54E+01	6.38E+00	5.29E-01	5.89E+00	9.00E+00	NA	4.17E+00	1.09E+00[a]
Avian herbivores (AV132)	0.00E+00	1.55E-05	0.00E+00	NC	0.00E+00	NA	6.55E-03	NA
Avian herbivores (AV142)	0.00E+00	9.49E-06	0.00E+00	NC	0.00E+00	NA	4.01E-03	NA
Avian herbivores (AV143)	0.00E+00	2.54E-05	0.00E+00	NC	0.00E+00	NA	1.07E-02	0.00E+00[a]
Trumpeter swan	0.00E+00	3.13E-01	0.00E+00	NC	0.00E+00	NA	1.25E-02	NA
Avian insectivores (AV210)	5.42E+01	3.13E+00	2.60E-01	7.84E+00	5.90E+00	NA	3.78E+00	NA
Black tern	1.82E+01	9.45E-01	1.65E-01	1.70E+00	1.94E+00	NA	7.59E-01	NA
Avian insectivores (AV210A)	9.11E+01	5.14E+00	4.27E-01	1.37E+01	9.94E+00	NA	6.50E+00	NA
Avian insectivores (AV221)	1.45E+03	4.25E+01	1.77E+01	3.88E+02	7.20E+01	NA	5.62E+01	NA
Avian insectivores (AV222)	1.59E+03	5.56E+01	9.94E+00	2.00E+02	9.98E+01	NA	6.70E+01	1.42E+02[a]
Avian insectivores (AV222A)	1.02E+03	3.49E+01	5.99E+00	1.61E+02	7.38E+01	NA	5.14E+01	NA
Avian insectivores (AV232)	0.00E+00	3.82E-06	0.00E+00	NC	0.00E+00	NA	1.61E-03	NA
Avian insectivores (AV233)	0.00E+00	3.00E-06	0.00E+00	NC	0.00E+00	NA	1.27E-03	NA
White-faced ibis	0.00E+00	8.85E-06	0.00E+00	NC	0.00E+00	NA	3.74E-03	NA
Avian insectivores (AV241)	0.00E+00	3.47E-06	0.00E+00	NC	0.00E+00	NA	1.47E-03	NA
Avian insectivores (AV242)	0.00E+00	1.20E-05	0.00E+00	NC	0.00E+00	NA	5.05E-03	NA
Avian carnivores (AV310)	3.34E+00	1.91E-01	1.58E-02	4.93E-01	3.64E-01	NA	2.48E-01	NA
Northern goshawk	3.16E-01	2.41E-02	1.03E-03	4.67E-02	3.45E-02	NA	3.56E-02	NA
Peregrine falcon	2.26E+00	1.72E-01	7.36E-03	3.33E-01	2.46E-01	NA	2.17E-01	NA
Avian carnivores (AV322)	1.22E+02	6.98E+00	5.79E-01	1.80E+01	1.33E+01	NA	8.62E+00	NA
Bald eagle	1.07E-01	6.16E-03	5.09E-04	1.59E-02	1.17E-02	NA	1.71E-02	NA
Ferruginous hawk	4.10E-01	2.35E-02	1.94E-03	6.06E-02	4.47E-02	NA	4.45E-02	1.78E-01
Loggerhead shrike	1.56E+02	8.94E+00	7.42E-01	2.31E+01	1.70E+01	NA	1.10E+01	6.35E+01
Avian carnivores (AV322A)	1.78E+01	1.01E+00	8.35E-02	2.68E+00	1.95E+00	NA	1.27E+00	NA
Burrowing Owl	1.78E+01	1.01E+00	8.35E-02	2.68E+00	1.95E+00	NA	1.27E+00	1.21E+01
Avian carnivores (AV333)	0.00E+00	7.80E-06	0.00E+00	NC	0.00E+00	NA	3.29E-03	NA
Avian carnivores (AV342)	0.00E+00	1.23E-05	0.00E+00	NC	0.00E+00	NA	5.19E-03	NA
Avian omnivores (AV422)	5.99E+01	3.63E+00	3.01E-01	7.92E+00	6.48E+00	NA	3.98E+00	8.83E+00[a]
Avian omnivores (AV432)	0.00E+00	9.49E-06	0.00E+00	NC	0.00E+00	NA	4.01E-03	NA
Avian omnivores (AV433)	0.00E+00	1.32E-05	0.00E+00	NC	0.00E+00	NA	5.55E-03	NA
Avian omnivores (AV442)	0.00E+00	4.80E-05	0.00E+00	NC	0.00E+00	NA	2.02E-02	NA
Mammalian herbivores (M121)	8.16E-03	5.19E-04	4.29E-05	1.38E-03	8.79E-04	NA	1.14E-03	NA
Mammalian herbivores (M122)	9.97E+00	2.95E-01	7.46E-02	7.84E-01	3.93E-01	NA	2.43E-01	5.91E-02[a]

Table A2-23. (continued).

Average HQs Functional groups	*Lead* WAG 1	WAG 2	WAG 3	WAG 4	WAG 5	WAG 6	WAG 9	WAG 10
Mammalian herbivores (M122A)	9.44E+00	2.92E-01	5.85E-02	1.52E+00	5.60E-01	NA	3.86E-01	NA
Pygmy rabbit	2.23E+00	6.59E-02	1.40E-02	3.59E-01	1.26E-01	NA	8.71E-02	1.39E+00
Mammalian herbivores (M123)	6.88E+00	1.91E-01	5.47E-02	1.37E+00	3.55E-01	NA	2.57E-01	NA
Mammalian insectivores (M210)	1.18E+00	6.84E-02	5.68E-03	1.26E-01	9.49E-02	NA	8.26E-02	NA
Mammalian insectivores (M210A)	1.15E+00	6.64E-02	5.51E-03	7.08E-01	5.00E-01	NA	8.38E-02	NA
Townsend's western big-eared bat	3.18E+00	1.82E-01	1.51E-02	4.84E-01	3.46E-01	NA	2.29E-01	2.13E+01
Small-footed myotis	4.53E+00	2.59E-01	2.15E-02	6.90E-01	4.93E-01	NA	3.27E-01	NA
Long-eared myotis	3.92E+00	2.24E-01	1.86E-02	6.10E-01	4.31E-01	NA	2.83E-01	NA
Mammalian insectivores (M222)	3.07E+01	8.91E-01	3.85E-01	9.31E+00	1.57E+00	NA	1.26E+00	NA
Mammalian carnivore (M322)	5.27E-01	2.97E-02	2.47E-03	7.93E-02	5.75E-02	NA	3.77E-02	3.14E-03[a]
Mammalian omnivores (M422)	1.03E+01	4.24E-01	5.33E-02	1.58E+00	9.05E-01	NA	7.14E-01	2.02E+01[a]
Mammalian omnivores (M422A)	1.90E-01	1.07E-02	8.90E-04	2.86E-02	1.94E-02	NA	1.49E-02	NA
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA	NA	NA
Plants	2.55E+01	6.08E-01	2.49E+00	4.01E-01	6.24E-02	NA	1.11E+00	6.55E-01