

APPENDIX 3 – SPECIES INDEX AND SUMMARY STATISTICS

Amphibians (Appendix 4)	Proportion of HUCs in Range with Known, Recent Occurrences *	Estimated Quality of Distribution Model	Occurrence Sample Size	Page Number of Summary Report
Tiger Salamander (<i>Ambystoma mavortium</i>)	0.28	Low	228	A4-1
Boreal Toad (<i>Anaxyrus boreas boreas</i>)	0.41	High	256	A4-5
Great Plains Toad (<i>Anaxyrus cognatus</i>)	0.05	High	20	A4-9
Rocky Mountain Toad (<i>Anaxyrus woodhousii woodhousii</i>)	0.14	High	106	A4-13
Wyoming Toad (<i>Anaxyrus baxteri</i>)	0.75	Medium	10	A4-17
Boreal Chorus Frog (<i>Pseudacris maculata</i>)	0.30	Low	97	A4-21
Plains Spadefoot (<i>Spea bombifrons</i>)	0.09	Low	37	A4-25
Great Basin Spadefoot (<i>Spea intermontana</i>)	0.15	Medium	27	A4-29
American Bullfrog (<i>Lithobates catesbeianus</i>)	0.29	Low	3	A4-33
Northern Leopard Frog (<i>Lithobates pipiens</i>)	0.46	Medium	225	A4-27
Wood Frog (<i>Lithobates sylvaticus</i>)	0.38	High	62	A4-41
Columbia Spotted Frog (<i>Rana luteiventris</i>)	0.52	High	291	A4-45

Birds (Appendix 5)	Proportion of HUCs in Range with Known, Recent Occurrences *	Estimated Quality of Distribution Model	Occurrence Sample Size	Page Number of Summary Report
Common Loon (<i>Gavia immer</i>)	1.00	High	98	A5-1
Western Grebe (<i>Aechmophorus occidentalis</i>)	0.30	Low	144	A5-5
Clark's Grebe (<i>Aechmophorus clarkii</i>)	0.11	Low	29	A5-9
American White Pelican (<i>Pelecanus erythrorhynchos</i>)	0.40	Medium	430	A5-13
American Bittern (<i>Botaurus lentiginosus</i>)	0.10	Low	60	A5-17
Great Blue Heron (<i>Ardea herodias</i>)	0.63	Low	847	A5-21
Snowy Egret (<i>Egretta thula</i>)	0.22	Medium	43	A5-25
Black-crowned Night-Heron (<i>Nycticorax nycticorax</i>)	0.22	Medium	76	A5-29
White-faced Ibis (<i>Plegadis chihi</i>)	0.63	Medium	89	A5-33
Trumpeter Swan (<i>Cygnus buccinator</i>)	0.78	High	165	A5-37
Northern Pintail (<i>Anas acuta</i>) **	0.42	not modeled	0 **	A5-41
Canvasback (<i>Aythya valisineria</i>)	0.12	Low	62	A5-43

Birds (continued)	Proportion of HUCs in Range with Known, Recent Occurrences *	Estimated Quality of Distribution Model	Occurrence Sample Size	Page Number of Summary Report
Redhead (<i>Aythya americana</i>)	0.30	Medium	99	A5-47
Lesser Scaup (<i>Aythya affinis</i>)	0.27	Low	102	A5-51
Harlequin Duck (<i>Histrionicus histrionicus</i>)	0.59	Medium	47	A5-55
Barrow's Goldeneye (<i>Bucephala islandica</i>)	0.26	Medium	61	A5-59
Bald Eagle - summer (<i>Haliaeetus leucocephalus</i>)	0.78	Medium	353	A5-63
Bald Eagle - winter (<i>Haliaeetus leucocephalus</i>)	0.78	Low	2794	A5-67
Northern Goshawk (<i>Accipiter gentilis</i>)	0.60	Medium	421	A5-71
Swainson's Hawk (<i>Buteo swainsoni</i>)	0.59	Low	861	A5-75
Ferruginous Hawk (<i>Buteo regalis</i>)	0.71	Medium	1443	A5-79
Merlin (<i>Falco columbarius</i>)	0.41	Medium	182	A5-83
Peregrine Falcon (<i>Falco peregrinus</i>)	0.61	Medium	181	A5-87
Greater Sage-Grouse (<i>Centrocercus urophasianus</i>)	0.90	Medium	1610	A5-91
Columbian Sharp-tailed Grouse (<i>Tympanuchus phasianellus columbianus</i>)	0.43	High	40	A5-95
Virginia Rail (<i>Rallus limicola</i>)	0.04	Low	16	A5-99
Greater Sandhill Crane (<i>Grus canadensis</i>)	0.84	Low	1181	A5-103
Mountain Plover (<i>Charadrius montanus</i>)	0.36	Medium	302	A5-107
Upland Sandpiper (<i>Bartramia longicauda</i>)	0.58	High	120	A5-111
Long-billed Curlew (<i>Numenius americanus</i>)	0.32	Medium	341	A5-115
Franklin's Gull (<i>Larus pipixcan</i>)	1.00	Medium	33	A5-119
Caspian Tern (<i>Sterna caspia</i>)	1.00	Medium	33	A5-123
Forster's Tern (<i>Sterna forsteri</i>)	0.56	Medium	35	A5-127
Black Tern (<i>Chlidonias niger</i>)	1.00	Low	42	A5-131
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	0.45	Low	19	A5-135
Northern Pygmy-Owl (<i>Glaucidium gnoma</i>)	0.14	Medium	11	A5-139
Burrowing Owl (<i>Athene cunicularia</i>)	0.52	Medium	655	A5-143
Great Gray Owl (<i>Strix nebulosa</i>)	0.37	High	55	A5-147
Short-eared Owl (<i>Asio flammeus</i>)	0.29	Medium	142	A5-151
Boreal Owl (<i>Aegolius funereus</i>)	0.22	High	58	A5-155
Lewis' Woodpecker (<i>Melanerpes lewis</i>)	0.15	Medium	118	A5-159
Black-backed Woodpecker (<i>Picoides arcticus</i>)	0.13	Medium	11	A5-163
American Three-toed Woodpecker (<i>Picoides dorsalis</i>)	0.24	High	110	A5-167

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Birds (continued)	Proportion of HUCs in Range with Known, Recent Occurrences *	Estimated Quality of Distribution Model	Occurrence Sample Size	Page Number of Summary Report
Willow Flycatcher (<i>Empidonax traillii</i>)	0.14	Low	95	A5-171
Ash-throated Flycatcher (<i>Myiarchus cinerascens</i>)	0.28	High	60	A5-175
Western Scrub-Jay (<i>Aphelocoma californica</i>)	0.21	Medium	26	A5-179
Juniper Titmouse (<i>Baeolophus ridgwayi</i>)	0.31	High	31	A5-183
Bushtit (<i>Psaltriparus minimus</i>)	0.21	High	24	A5-187
Pygmy Nuthatch (<i>Sitta pygmaea</i>)	0.07	Medium	35	A5-191
Sage Thrasher (<i>Oreoscoptes montanus</i>)	0.64	High	635	A5-195
Dickcissel (<i>Spiza americana</i>)	0.10	Medium	24	A5-199
Brewer's Sparrow (<i>Spizella breweri</i>)	0.68	Medium	1372	A5-203
Sage Sparrow (<i>Amphispiza belli</i>)	0.51	High	631	A5-207
Lark Bunting (<i>Calamospiza melanocorys</i>)	0.49	Medium	407	A5-211
Grasshopper Sparrow (<i>Ammodramus savannarum</i>)	0.33	Medium	261	A5-215
McCown's Longspur (<i>Calcarius mccownii</i>)	0.31	High	152	A5-219
Chestnut-collared Longspur (<i>Calcarius ornatus</i>)	0.18	Medium	90	A5-223
Bobolink (<i>Dolichonyx oryzivorus</i>)	0.11	Medium	46	A5-227
Scott's Oriole (<i>Icterus parisorum</i>)	0.07	Medium	9	A5-231
Black Rosy-Finch (<i>Leucosticte atrata</i>)	0.17	Low	7	A5-235
Brown-capped Rosy Finch (<i>Leucosticte australis</i>)	0.15	Low	2	A5-239

Mammals (Appendix 6)	Proportion of HUCs in Range with Known, Recent Occurrences *	Estimated Quality of Distribution Model	Occurrence Sample Size	Page Number of Summary Report
Preble's Shrew (<i>Sorex preblei</i>)	0.03	Low	3	A6-1
Vagrant Shrew (<i>Sorex vagrans</i>)	0.02	Low	22	A6-5
Dwarf Shrew (<i>Sorex nanus</i>)	0.02	Low	15	A6-9
Water Shrew (<i>Sorex palustris</i>)	0.05	Medium	23	A6-13
Pygmy Shrew (<i>Sorex hoyi</i>)	0.11	Low	5	A6-17
Hayden's Shrew (<i>Sorex haydeni</i>)	0.18	Medium	14	A6-21
Little Brown Myotis (<i>Myotis lucifugus</i>)	0.17	Medium	119	A6-25
Long-eared Myotis (<i>Myotis evotis</i>)	0.14	Medium	60	A6-29
Fringed Myotis (<i>Myotis thysanodes</i>)	0.08	High	24	A6-33
Long-legged Myotis (<i>Myotis volans</i>)	0.17	Medium	80	A6-37
Western Small-footed Myotis (<i>Myotis ciliolabrum</i>)	0.14	Medium	66	A6-41

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Mammals (continued)	Proportion of HUCs in Range with Known, Recent Occurrences *	Estimated Quality of Distribution Model	Occurrence Sample Size	Page Number of Summary Report
Northern Myotis (<i>Myotis septentrionalis</i>)	0.20	Low	3	A6-45
Silver-haired Bat (<i>Lasionycteris noctivagans</i>)	0.15	Medium	63	A6-49
Big Brown Bat (<i>Eptesicus fuscus</i>)	0.14	Medium	83	A6-53
Eastern Red Bat (<i>Lasiurus borealis</i>)	0.05	Low	5	A6-57
Hoary Bat (<i>Lasiurus cinereus</i>)	0.14	Medium	63	A6-61
Spotted Bat (<i>Euderma maculatum</i>)	0.16	High	14	A6-65
Townsend's Big-eared Bat (<i>Corynorhinus townsendii</i>)	0.17	Medium	50	A6-69
Pallid Bat (<i>Antrozous pallidus</i>)	0.10	Medium	16	A6-73
American Pika (<i>Ochotona princeps</i>)	0.85	High	170	A6-77
Pygmy Rabbit (<i>Brachylagus idahoensis</i>)	0.79	High	278	A6-81
Yellow-pine Chipmunk (<i>Neotamias amoenus</i>)	0.04	Low	12	A6-85
Cliff Chipmunk (<i>Neotamias dorsalis</i>)	0.18	Low	8	A6-89
Unita Chipmunk (<i>Neotamias umbrinus</i>)	0.05	Medium	16	A6-93
Uinta Ground Squirrel (<i>Spermophilus armatus</i>)	0.21	Low	67	A6-97
Spotted Ground Squirrel (<i>Spermophilus spilosoma</i>)	0.04	Low	13	A6-101
Wyoming Ground Squirrel (<i>Spermophilus elegans</i>)	0.30	Low	268	A6-105
Black-tailed Prairie Dog (<i>Cynomys ludovicianus</i>)	0.69	High	1132	A6-109
White-tailed Prairie Dog (<i>Cynomys leucurus</i>)	0.75	Medium	1175	A6-113
Abert's Squirrel (<i>Sciurus aberti</i>)	0.22	Low	4	A6-117
Northern Flying Squirrel (<i>Glaucomys sabrinus</i>)	0.12	Medium	21	A6-121
Wyoming Pocket Gopher (<i>Thomomys clusius</i>)	0.09	High	15	A6-125
Idaho Pocket Gopher (<i>Thomomys idahoensis</i>)	0.05	Medium	27	A6-129
Plains Pocket Gopher (<i>Geomys bursarius</i>)	0.01	Low	3	A6-133
Olive-backed Pocket Mouse (<i>Perognathus fasciatus</i>)	0.04	Medium	28	A6-137
Plains Pocket Mouse (<i>Perognathus flavescens</i>)	0.03	High	11	A6-141
Silky Pocket Mouse (<i>Perognathus flavus</i>)	0.01	Low	3	A6-145
Great Basin Pocket Mouse (<i>Perognathus parvus</i>)	0.11	Medium	17	A6-149
Hispid Pocket Mouse (<i>Chaetodipus hispidus</i>)	0.01	Medium	10	A6-153
Plains Harvest Mouse (<i>Reithrodontomys montanus</i>)	0.01	Low	7	A6-157

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Mammals (continued)	Proportion of HUCs in Range with Known, Recent Occurrences *	Estimated Quality of Distribution Model	Occurrence Sample Size	Page Number of Summary Report
Canyon Mouse (<i>Peromyscus crinitus</i>)	0.11	Low	3	A6-161
Pinyon Mouse (<i>Peromyscus truei</i>)	0.11	Low	2	A6-165
Western Heather Vole (<i>Phenacomys intermedius</i>)	0.03	Low	7	A6-169
Prairie Vole (<i>Microtus ochrogaster</i>)	0.06	Medium	24	A6-173
Water Vole (<i>Microtus richardsoni</i>)	0.18	High	77	A6-177
Sagebrush Vole (<i>Lemmiscus curtatus</i>)	0.05	Medium	31	A6-181
Preble's Meadow Jumping Mouse (<i>Zapus hudsonius preblei</i>)	0.22	High	48	A6-185
Bear Lodge Meadow Jumping Mouse (<i>Zapus hudsonius campestris</i>)	0.14	Medium	20	A6-189
Swift Fox (<i>Vulpes velox</i>)	0.29	High	223	A6-193
Grizzly Bear (<i>Ursus arctos</i>)	0.71	High	639	A6-197
Ringtail (<i>Bassariscus astutus</i>)	0.15	Low	7	A6-201
Marten (<i>Martes americana</i>)	0.45	High	202	A6-205
Fisher (<i>Martes pennanti</i>)	0.17	Medium	14	A6-209
Least Weasel (<i>Mustela nivalis</i>)	0.12	Medium	9	A6-213
Black-footed Ferret (<i>Mustela nigripes</i>)	0.24	Low	4	A6-217
Wolverine (<i>Gulo gulo</i>)	0.72	High	192	A6-221
River Otter (<i>Lontra canadensis</i>)	0.42	Medium	202	A6-225
Canada Lynx (<i>Lynx canadensis</i>)	0.43	High	232	A6-229
Moose (<i>Alces alces</i>)	0.87	Medium	4930	A6-233
Bighorn Sheep (<i>Ovis canadensis</i>)	0.80	Medium	1716	A6-237

Reptiles (Appendix 7)	Proportion of HUCs in Range with Known, Recent Occurrences *	Estimated Quality of Distribution Model	Occurrence Sample Size	Page Number of Summary Report
Western Painted Turtle (<i>Chrysemys picta bellii</i>)	0.13	Medium	21	A7-1
Ornate Box Turtle (<i>Terrapene ornata ornata</i>) **	0.00	not modeled	0	A7-5
Western Spiny Softshell (<i>Apalone spinifera hartwegi</i>)	0.18	Low	19	A7-7
Great Plains Earless Lizard (<i>Holbrookia maculata</i>)	0.13	Low	7	A7-11
Greater Short-horned Lizard (<i>Phrynosoma hernandesi</i>)	0.29	High	148	A7-15
Northern Sagebrush Lizard (<i>Sceloporus graciosus graciosus</i>)	0.19	High	112	A7-19
Plateau Fence Lizard (<i>Sceloporus tristichus</i>)	0.15	Low	34	A7-23
Prairie Lizard (<i>Sceloporus consobrinus</i>)	0.11	Low	3	A7-27

Reptiles (continued)	Proportion of HUCs in Range with Known, Recent Occurrences *	Estimated Quality of Distribution Model	Occurrence Sample Size	Page Number of Summary Report
Northern Tree Lizard (<i>Urosaurus ornatus wrighti</i>)	0.38	Medium	13	A7-31
Northern Many-lined Skink (<i>Eumeces multivirgatus</i>)	0.00	Low	6	A7-35
Great Basin Skink (<i>Plestiodon skiltonianus utahensis</i>) **	0.29	not modeled	1	A7-39
Prairie Racerunner (<i>Aspidoscelis sexlineatus viridis</i>)	0.08	Low	4	A7-41
Rubber Boa (<i>Charina bottae</i>)	0.38	Medium	51	A7-45
Eastern Yellow-bellied Racer (<i>Coluber constrictor flaviventris</i>)	0.18	Medium	60	A7-49
Plains Hog-nosed Snake (<i>Heterodon nasicus</i>)	0.11	Medium	22	A7-53
Pale Milksnake (<i>Lampropeltis triangulum multistriata</i>)	0.06	Low	19	A7-57
Great Basin Gophersnake (<i>Pituophis catenifer deserticola</i>)	0.30	Medium	15	A7-61
Bullsnake (<i>Pituophis catenifer sayi</i>)	0.37	Medium	145	A7-65
Black Hills Redbelly Snake (<i>Storeria occipitomaculata pahasapae</i>)	0.30	Low	8	A7-69
Plains Black-headed Snake (<i>Tantilla nigriceps</i>) **	0.16	not modeled	1	A7-73
Wandering Gartersnake (<i>Thamnophis elegans vagrans</i>)	0.28	Low	129	A7-75
Plains Gartersnake (<i>Thamnophis radix</i>)	0.05	Medium	18	A7-79
Red-sided Gartersnake (<i>Thamnophis sirtalis parietalis</i>)	0.24	Medium	32	A7-83
Valley Gartersnake (<i>Thamnophis sirtalis fitchi</i>)	0.17	Low	2	A7-87
Smooth Green Snake (<i>Opheodrys vernalis</i>)	0.35	Medium	24	A7-91
Prairie Rattlesnake (<i>Crotalus viridis</i>)	0.45	Medium	281	A7-95
Midget Faded Rattlesnake (<i>Crotalus oreganus concolor</i>)	0.58	High	35	A7-99

Footnotes:

- * For those species whose range in Wyoming varies seasonally, this proportion is based on the primary season of occurrence. For example, if a bird breeds in Wyoming but migrates out of the state during other times, the Proportion of HUCs containing known occurrences is calculated based on range during the breeding season. This is generally also the season for which distribution models were created.
- ** A model was not generated for these species because there were too few occurrence records. For Northern Pintail, occurrence records exist in the Wildlife Observation System, but its inclusion on the SGCN list was unclear until after models were created, so occurrence data were not compiled and a distribution model was not generated for this report.