

Chapter 2: Species of Greatest Conservation Need

This chapter presents updated information on wildlife species that are in need of conservation attention in Colorado, with a focus on native species. Colorado's first SWAP, completed in 2006, identified 210 Species of Greatest Conservation Need (SGCN). Those species were grouped into Tier 1 and Tier 2 categories, reflecting a relative degree of conservation priority. Conservation attention is still warranted for the species on the original SGCN list. However, the utility of such a long Tier 1 species list for prioritizing conservation work over the intervening years has been somewhat confounding. Thus, a primary focus of the SGCN component in this SWAP revision has been to improve the SWAP's usefulness for conservation prioritization, while continuing to recognize the broader interests and capacity of Colorado's conservation community overall. To that end, we have re-defined how we are characterizing Tier 1 and Tier 2 SGCN, and modified the criteria used to determine Tier 1 and Tier 2 status.

Also, in the interest of improving the SWAP's applicability across Colorado's conservation community, we have added a rare plant component to the plan, and retained and expanded the insect component of the SGCN list. Though CPW does not have statutory authority over plant and insect species, we recognize the crucial role these taxa play in the ecosystems and wildlife communities of the State. SWAP elements for plants and non-mollusk invertebrates are presented in Appendices A and B, respectively.

Revised Interpretation of Tier 1 and Tier 2

Although the 2015 revision of Colorado's SWAP retains the original two-tier SGCN structure, **we have re-interpreted the Tier 1 list to represent the species which are truly of highest conservation priority in the state**, and to which CPW will likely focus resources over the life of this plan. Though the agency will certainly maintain flexibility in responding to evolving conservation needs and scientific knowledge, our best current estimate of how our work will probably be focused over the coming decade is reflected in the new Tier 1 list of 55 species. All other previously Tier 1 SGCN have been moved to the Tier 2 list, with one exception. Recent genetic studies indicate that the subspecies designation for northern pocket gopher (*Thomomys talpoides macrotis*) is not valid. Thus, this subspecies has been removed from the SGCN list. Tier 2 species remain important in light of forestalling population trends or habitat conditions that may lead to a threatened or endangered listing status, but the urgency of such action has been judged to be less. When planning future conservation work, these tier rankings should be considered along with other important factors, including potential funding and partnership

opportunities, and responsiveness to “one-time-only” opportunities. It is our hope and expectation that our conservation partners and stakeholders will work together toward conservation of all SGCN, including those on the Tier 2 list. As an agency, we remain committed to improving the status of all SGCN, and welcome collaborative efforts to do so.

Revised SGCN Criteria

For this iteration of our SWAP, we have expanded the criteria that were used to develop the original SGCN list³, which were primarily focused on species' conservation status. Those criteria were retained and augmented by further consideration of the species' role in Colorado wildlife communities, as well as our ability to make a measurable contribution to conservation of species populations, according to the criteria listed in Table 2. In distinguishing Tier 1 and Tier 2 species in the original SWAP, we developed an additional set of sub-criteria that placed more emphasis on economic considerations⁴. Due to the revised interpretation of Tier 1 status, some of these criteria were deemed to be of less importance in the revised SWAP. The remaining criteria have been absorbed into the updated criteria in Table 2.

³ Listed as federal candidate, threatened or endangered species under the ESA; Classified as state endangered or threatened species, or species of special concern; Global ranking scores of G1, G2 or G3 by the Colorado Natural Heritage Program; Identified as conservation priorities through a range-wide status assessment or assessment of large taxonomic divisions; Assigned state ranking scores of S1 or S2 AND a global ranking score of G4 by the Colorado Natural Heritage Program. Species were removed from the list if they: occur peripherally in Colorado but are common elsewhere AND for which management actions in Colorado are likely to have no population-level effect; are very common but were placed on lists due to economic considerations (e.g., Mallard).

⁴ Knowledge of management techniques needed for recovery; Impact on federal recovery; Cost of recovery or management action implementation; Direct cost of recovery action to others; Public appeal or interest in the species; Economic impacts of listing (cost incurred by listing); Importance to state biological diversity; Multiple species benefits from management of target species.

Table 2. Criteria used to revise the list of Tier 1 Species of Greatest Conservation Need.

| |
|---|
| 1) Federal and State Status |
| a) Listed or proposed as endangered at federal or state level |
| b) Listed or proposed as threatened at federal or state level |
| c) Other indication of special concern at federal or state level |
| 2) Colorado's contribution to the species overall conservation (portion of overall range that occurs in Colorado) |
| a) The health of the population in Colorado compared to other portions of its range (better = higher) |
| b) Population status and level of conservation activity in surrounding states and other portions of the species range |
| c) Level of conservation activity in Colorado relative to its status in the state |
| 3) Urgency of conservation action: |
| a) New threats to the species |
| b) Lack of Scientific Knowledge |
| c) Increases in severity of existing threats or new data that show a significant, persistent decline in population status |
| d) Likelihood and immediacy of potential ESA listing |
| e) Funding or partnership opportunities that are time limited |
| 4) Ability to Implement Effective Conservation Actions: |
| a) Few regulatory issues present to impede conservation success |
| b) Limitations in mitigating population and/or habitat threats are minimal (i.e., conservation success is highly likely) |
| c) Cost to implement effective conservation |
| d) Socio-political factors (general willingness to support conservation of the species) |
| 5) Ecological Value of the species: |
| a) Species is a good indicator to the overall health of the habitat it occupies |
| b) Keystone species – plays a significant role in defining the habitat in which it lives |
| c) Umbrella species – protecting these species indirectly protects the many other species that make up the ecological community used by the species |

Updated SGCN List

The 2015 SGCN list of vertebrate animals and mollusks– the groups for which CPW has statutory authority – contains 159 species (Table 3). Fifty-five species have been identified as Tier 1 SGCN, including 2 amphibians, 13 birds, 25 fish, 13 mammals, and 2 reptiles (Table 3). Of these, all were on the Tier 1 SGCN list in 2006 with the following exceptions: White-tailed ptarmigan⁵ and wolverine were previously Tier 2; plains topminnow, little brown bat, New Mexico meadow jumping mouse, and American pika were not SGCN in 2006. Conservation opportunity, Colorado's contribution to conservation, and changes in conservation status are all partially explanatory in these changes.

⁵ The 2006 SWAP listed white-tailed ptarmigan as a SGCN at the species level. This 2015 SWAP lists the subspecies Southern white-tailed ptarmigan, based on the USFWS recognition of the Colorado population of white-tailed ptarmigan as a separate subspecies.

The revised Tier 2 SGCN list of vertebrates and mollusks contains 104 species, including 8 amphibians, 48 birds, 2 fish, 23 mammals, 14 reptiles, and 9 mollusks. Of the Tier 2 species, 10 vertebrates and one mollusk were not identified as SGCN in 2006. The pygmy rabbit was not a SGCN in 2006 because at that time the species had not been reported in Colorado. Recent evidence suggests that this species may be present in northwestern Colorado. The following species were not SGCN in 2006, but have been added to the 2015 Tier 2 list due to designation as a Sensitive Species by the Bureau of Land Management and/or the U.S. Forest Service: Great Basin spadefoot, black tern, grasshopper sparrow, Rocky Mountain capshell, American marten, big free-tailed bat, hoary bat, pygmy shrew, desert spiny lizard, and milksnake. Thirty bird species have been removed from the SGCN list. This change is not a result of change in species status, but rather is due to the revisions of the criteria used to define SGCN.

There are four species on the SGCN list that no longer occur as wild populations in Colorado: bison, gray wolf, grizzly bear, and wolverine. These species were historically part of Colorado's native animal community, and would meet the criteria for SGCN if they were to re-colonize or be re-introduced to the state during the time period covered by this plan. There are no plans to re-introduce wolves or grizzly bears to the state, but it is possible that wolverine and/or genetically pure, wild bison could be re-introduced if social and political concerns can be satisfactorily addressed and such efforts are biologically justified.

Status and Trend

The status of each vertebrate and mollusk SGCN is summarized in Table 3. The lists generated by the U.S. Fish and Wildlife Service, U.S. Forest Service, Bureau of Land Management, State of Colorado, Colorado Natural Heritage Program, and NatureServe all use species status in some form to develop their respective lists. We did not develop a new metric that specifically evaluated species status within Colorado, but rather used the lists generated by these other organizations to inform our evaluation of species status.

A species' population trend is also used by other organizations in the development of their lists, but we do consider it as a separate factor here (Table 3, Declining Trend column). Both data from studies as well as best professional judgments were used to determine declining trend. Data were found in recovery plans, status assessments, and both published and unpublished reports. For landbirds we relied heavily upon the Partners in Flight Species Assessment Database (PIF Science Committee 2012) to evaluate trends on a continental scale.

Table 3. Vertebrate and Mollusk Species of Greatest Conservation Need.

Species are grouped by Tier and taxonomic group, and then sorted alphabetically by common name. Legend: Federal Listing: LE – listed Endangered; LT – listed Threatened; LT* - listed Threatened status applies to Distinct Population Segment only; C – Candidate; P – Petitioned; N - Not Warranted. State Listing: SE – state endangered; ST – state threatened; SC – Special Concern. Agency Sensitive: BLM – Bureau of Land Management; USFS – U.S. Forest Service; USFWS – U.S. Fish and Wildlife Service Birds of Conservation Concern for Bird Conservation Regions 16 and 18. NatureServe Global/State Status: 1 – critically imperiled; 2 – imperiled; 3 – vulnerable; 4 – apparently secure, but with cause for long-term concern; 5 – demonstrably secure; T – subspecies status; Q – taxonomic uncertainty; B – breeding; N – non-breeding; NR – not ranked; X - extirpated. Species mark with a double-asterisk (**) were added as habitat indicator species.

| Species | Common Name | Priority Tier | Federal Status | State Status | USFS Sensitive Species | BLM Sensitive Species | USFWS Birds of Conservation Concern | PIF US-Canada Watch List | CO's Contribution to Conservation | Urgency of Conservation Action | Ability to Implement Effective Conservation Actions | Ecological Value of the Species | NatureServe Global Status Rank | CNHP/NatureServe State Status Rank | Declining Trend |
|---|--|---------------|----------------|--------------|------------------------|-----------------------|-------------------------------------|--------------------------|-----------------------------------|--------------------------------|---|---------------------------------|--------------------------------|------------------------------------|-----------------|
| AMPHIBIANS | | | | | | | | | | | | | | | |
| <i>Anaxyrus boreas boreas</i> | Boreal toad (Southern Rocky Mountain population) | Tier 1 | P | SE | x | x | | | x | x | | x | G4T1 | S1 | |
| <i>Lithobates pipiens</i> | Northern leopard frog | Tier 1 | | SC | x | x | | | | | | x | G5 | S3 | ? |
| BIRDS | | | | | | | | | | | | | | | |
| <i>Leucosticte australis</i> | Brown-capped rosy-finch | Tier 1 | | | | | x | x | | | | x | G4 | S3B,S4N | |
| <i>Athene cucularia</i> | Burrowing owl | Tier 1 | | ST | x | x | x | | | | | x | G4 | S4B | |
| <i>Tympanuchus phasianellus columbianus</i> | Columbian sharp-tailed grouse | Tier 1 | | SC | x | x | | | | x | x | x | G4T3 | S2 | |
| <i>Aquila chrysaetos</i> | Golden eagle | Tier 1 | | | | | x | | | x | | x | G5 | S3S4B, S4N | |
| <i>Centrocercus urophasianus</i> | Greater sage-grouse | Tier 1 | C | SC | x | x | | x | | x | x | x | G3G4 | S4 | |
| <i>Grus canadensis tabida</i> | Greater sandhill crane | Tier 1 | | SC | | | | | | | | | G5T4 | S2B,S4N | x |
| <i>Centrocercus minimus</i> | Gunnison sage-grouse | Tier 1 | LT | SC | | x | x | x | x | x | x | x | G1 | S1 | |
| <i>Tympanuchus pallidicinctus</i> | Lesser prairie-chicken | Tier 1 | LT | ST | | x | x | x | | | x | x | G3 | S2 | |

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|---|---------------------------------|----------------------|-----------------------|---------------------|-------------------------------|------------------------------|--|---------------------------------|--|---------------------------------------|--|--|---------------------------------------|---|------------------------|
| <i>Charadrius montanus</i> | Mountain plover | Tier 1 | | SC | x | x | x | | | | | | G3 | S2B | |
| <i>Tympanuchus phasianellus jamesii</i> | Plains sharp-tailed grouse | Tier 1 | | SE | | | | | | | | | G4T4 | S1 | |
| <i>Lagopus leucura altipetens</i> | Southern white-tailed ptarmigan | Tier 1 | P | | x | | | | | | | x | G5 | S4 | |
| <i>Empidonax traillii extimus</i> | Southwestern willow flycatcher | Tier 1 | LE | SE | | | x | | | | | | G5T1T2 | SNA | |
| <i>Coccyzus americanus occidentalis</i> | Western yellow-billed cuckoo | Tier 1 | LT* | SC | x | x | x | | | x | | | G5T3Q | S1B | |
| FISH | | | | | | | | | | | | | | | |
| <i>Etheostoma cragini</i> | Arkansas darter | Tier 1 | C | ST | | x | | | | | | | G3G4 | S2 | |
| <i>Catostomus discobolus</i> | Bluehead sucker | Tier 1 | | | x | x | | | x | x | | x | G4 | S4 | |
| <i>Gila elegans</i> | Bonytail chub | Tier 1 | LE | SE | | | | | x | x | | | G1 | SX | |
| <i>Hybognathus hankinsoni</i> | Brassy minnow | Tier 1 | | ST | | | | | | | | x | G5 | S3 | |
| <i>Ptychocheilus lucius</i> | Colorado pikeminnow | Tier 1 | LE | ST | | | | | x | x | | x | G1 | S1 | x |
| <i>Oncorhynchus clarkii pleuriticus</i> | Colorado River cutthroat trout | Tier 1 | | SC | x | x | | | | | | x | G4T3 | S3 | |
| <i>Luxilus cornutus</i> | Common shiner | Tier 1 | | ST | | | | | | | | | G5 | S2 | |
| <i>Catostomus latipinnis</i> | Flannelmouth sucker | Tier 1 | | | x | x | | | x | x | | x | G3G4 | S3 | |
| <i>Platygobio gracilus</i> | Flathead chub | Tier 1 | | SC | x | | | | | | | | G5 | S3 | |
| <i>Oncorhynchus clarkii stomias</i> | Greenback cutthroat trout | Tier 1 | LT | ST | | | | | x | | | x | G4T2T3 | S2 | |
| <i>Gila cypha</i> | Humpback chub | Tier 1 | LE | ST | | | | | | x | | | G1 | S1 | x |
| <i>Catostomus playtrhynchus</i> | Mountain sucker | Tier 1 | | SC | x | x | | | | | | | G5 | S2 | |
| <i>Phoxinus eos</i> | Northern redbelly dace | Tier 1 | | SE | x | | | | | | x | | G5 | S1 | |
| <i>Lepomis humilis</i> | Orangespotted sunfish | Tier 1 | | | | | | | | | x | | G5 | S5 | x |

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|--|---------------------------------|----------------------|-----------------------|---------------------|-------------------------------|------------------------------|--|---------------------------------|--|---------------------------------------|--|--|---------------------------------------|---|------------------------|
| <i>Etheostoma spectabile</i> | Orangethroat darter | Tier 1 | | SC | | | | | | | | | G5 | S3 | x |
| <i>Hybognathus placitus</i> | Plains minnow | Tier 1 | | SE | x | | | | | | | x | G4 | SH | |
| <i>Fundulus sciadicus</i> | Plains topminnow | Tier 1 | | | x | | | | | | | | G4 | S4 | |
| <i>Xyrauchen texanus</i> | Razorback sucker | Tier 1 | LE | SE | | | | | x | x | | x | G1 | S1 | |
| <i>Gila Pandora</i> | Rio Grande chub | Tier 1 | | SC | x | x | | | | | | | G3 | S1 | |
| <i>Oncorhynchus clarkii virginalis</i> | Rio Grande cutthroat trout | Tier 1 | N | SC | x | x | | | x | | | x | G4T3 | S3 | |
| <i>Catostomus plebeius</i> | Rio Grande sucker | Tier 1 | | SE | x | x | | | | | | | G3G4 | S1 | |
| <i>Gila robusta</i> | Roundtail chub | Tier 1 | | SC | x | x | | | x | x | | x | G3 | S2 | x |
| <i>Phoxinus erythrogaster</i> | Southern redbelly dace | Tier 1 | | SE | x | | | | | | x | | G5 | S1 | |
| <i>Noturus flavus</i> | Stonecat | Tier 1 | | SC | | | | | | x | | | G5 | S1 | |
| <i>Phenacobius mirabilis</i> | Suckermouth minnow | Tier 1 | | SE | | | | | | | | x | G5 | S2 | |
| MAMMALS | | | | | | | | | | | | | | | |
| <i>Ochotona princeps</i> | American pika** | Tier 1 | N | | | | | | | | | | G5 | S5 | |
| <i>Mustela nigripes</i> | Black-footed ferret | Tier 1 | LE | SE | | | | | | x | | x | G1 | S1 | |
| <i>Myotis thysanodes</i> | Fringed myotis | Tier 1 | | | x | x | | | | | | x | G4 | S3 | |
| <i>Cynomys gunnisoni</i> | Gunnison's prairie dog | Tier 1 | N | | x | x | | | x | | | x | G5 | S5 | |
| <i>Myotis lucifigus</i> | Little brown myotis | Tier 1 | P | | | | | | | | | x | G3 | S5 | |
| <i>Lynx Canadensis</i> | Lynx | Tier 1 | LT | SE | | | | | | | | x | G5 | S1 | |
| <i>Zapus hudsonius luteus</i> | New Mexico meadow jumping mouse | Tier 1 | LE | | x | x | | | x | | | x | G5T2 | S1 | |
| <i>Perognathus fasciatus</i> | Olive-backed pocket mouse | Tier 1 | | | | | | | | | | x | G5 | S3 | x |
| <i>Zapus hudsonius preblei</i> | Prebles meadow jumping mouse | Tier 1 | LT | ST | | | | | x | | | x | G5T2 | S1 | x |

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|---|-------------------------------|---------------|----------------|--------------|------------------------|-----------------------|-------------------------------------|--------------------------|-----------------------------------|--------------------------------|---|---------------------------------|--------------------------------|------------------------------------|-----------------|
| <i>Euderma maculatum</i> | Spotted bat | Tier 1 | | | x | x | | | | | | x | G4 | S2 | |
| <i>Corynorhinus townsendii pallescens</i> | Townsend's big-eared bat ssp. | Tier 1 | | SC | x | x | | | | | x | x | G3G4T3T4 | S2 | |
| <i>Cynomys leucurus</i> | White-tailed prairie dog | Tier 1 | | | x | x | | | | | | x | G4 | S4 | |
| <i>Gulo gulo</i> | Wolverine | Tier 1 | N | SE | | | | | | | | x | G4 | S1 | |
| REPTILES | | | | | | | | | | | | | | | |
| <i>Aspidoscelis neotesselata</i> | Colorado checkered whiptail | Tier 1 | N | SC | | | | | x | x | | x | G2G3 | S2 | |
| <i>Sistrurus catenatus</i> | Massasauga | Tier 1 | P | SC | x | x | | | | | | x | G3G4 | S2 | |
| AMPHIBIANS | | | | | | | | | | | | | | | |
| <i>Acris blanchardi</i> | Blanchard's cricket frog | Tier 2 | | SC | | x | | | | | | | G5 | SH | |
| <i>Hyla arenicolor</i> | Canyon tree frog | Tier 2 | | | | x | | | | | | | G5 | S2 | |
| <i>Scaphiopus couchii</i> | Couch's spadefoot | Tier 2 | | SC | | | | | | | | | G5 | S1 | |
| <i>Spea intermontana</i> | Great Basin spadefoot | Tier 2 | | | | x | | | | | | | G5 | S3 | |
| <i>Gastrophryne olivacea</i> | Great Plains narrowmouth toad | Tier 2 | | SC | | | | | | | | | G5 | S1 | |
| <i>Anaxyrus debilis</i> | Green toad | Tier 2 | | | | | | | | | | | G5 | S2 | |
| <i>Lithobates blairi</i> | Plains leopard frog | Tier 2 | | SC | x | x | | | | | | | G5 | S3 | |
| <i>Lithobates sylvatica</i> | Wood frog | Tier 2 | | SC | x | | | | | | | | G5 | S3 | |
| BIRDS | | | | | | | | | | | | | | | |
| <i>Botaurus lentiginosus</i> | American bittern | Tier 2 | | | x | | x | | | | | | G4 | S3S4B | |
| <i>Falco peregrinus anatum</i> | American peregrine falcon | Tier 2 | | SC | x | x | x | | | | | | G4T4 | S2B | |
| <i>Pelecanus erythrorhynchos</i> | American white pelican | Tier 2 | | | | x | | | | | | | G4 | S1B | |
| <i>Haliaeetus leucocephalus</i> | Bald eagle | Tier 2 | | SC | x | x | x | | | | | | G5 | S1B,S3N | |

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|--------------------------------|----------------------------|----------------------|-----------------------|---------------------|-------------------------------|------------------------------|--|---------------------------------|--|---------------------------------------|--|--|---------------------------------------|---|------------------------|
| <i>Patagioenas fasciata</i> | Band-tailed pigeon | Tier 2 | | | | | | | | | | | G4 | S4B | x |
| <i>Bucephala islandica</i> | Barrow's goldeneye | Tier 2 | | | | | | | | | | | G5 | S2B | |
| <i>Leucosticte atrata</i> | Black rosy-finch | Tier 2 | | | | | x | x | | | | | G4 | S4N | |
| <i>Cypseloides niger</i> | Black swift | Tier 2 | | | x | x | | x | x | | | | G4 | S3B | x |
| <i>Chlidonias niger</i> | Black tern | Tier 2 | | | x | | | | | | | | G4 | S2B | |
| <i>Dolichonyx oryzivorus</i> | Bobolink | Tier 2 | | | | | | x | | | | | G5 | S3B | x |
| <i>Aegolius funereus</i> | Boreal owl | Tier 2 | | | x | | | | | | | | G5 | S2 | |
| <i>Spizella breweri</i> | Brewer's sparrow | Tier 2 | | | x | x | x | | | | | | G5 | S4B | x |
| <i>Peucaea cassinii</i> | Cassin's finch | Tier 2 | | | | | x | | | | | | G5 | S5 | x |
| <i>Aimophila cassinii</i> | Cassin's sparrow | Tier 2 | | | x | | | | | | | | G5 | S4B | x |
| <i>Calcarius ornatus</i> | Chestnut-collared longspur | Tier 2 | | | x | | x | x | | | | | G5 | S1B | x |
| <i>Buteo regalis</i> | Ferruginous hawk | Tier 2 | | SC | x | x | x | | | | | x | G4 | S3B,S4N | |
| <i>Otus flammeolus</i> | Flammulated owl | Tier 2 | | | x | | x | x | | | | | G4 | S4 | |
| <i>Setophaga graciae</i> | Grace's warbler | Tier 2 | | | | | x | | | | | | G5 | S3B | |
| <i>Ammodramus savannarum</i> | Grasshopper sparrow | Tier 2 | | | x | | x | | | | | | G5 | S3S4B | x |
| <i>Vireo vicinior</i> | Gray vireo | Tier 2 | | | | | x | x | | | | | G4 | S2B | |
| <i>Tympanuchus cupido</i> | Greater prairie-chicken | Tier 2 | | | x | | | x | | | | | G4 | S3 | x |
| <i>Baeolophus ridgwayi</i> | Juniper titmouse | Tier 2 | | | | | x | | | | | | G5 | S4 | x |
| <i>Calamospiza melanocorys</i> | Lark bunting | Tier 2 | | | | | x | | | | | | G5 | S4 | x |
| <i>Passerina amoena</i> | Lazuli bunting | Tier 2 | | | | | | | | | | | G5 | S5B | x |
| <i>Sterna antillarum</i> | Least tern | Tier 2 | LE | SE | | | | | | | | | G4 | S1B | |
| <i>Melanerpes lewis</i> | Lewis's woodpecker | Tier 2 | | | x | | x | | | | | | G4 | S4 | x |

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|--|------------------------|----------------------|-----------------------|---------------------|-------------------------------|------------------------------|--|---------------------------------|--|---------------------------------------|--|--|---------------------------------------|---|------------------------|
| <i>Lanius ludovicianus</i> | Loggerhead shrike | Tier 2 | | | x | | | | | | | | G4 | S3S4B | x |
| <i>Numenius americanus</i> | Long-billed curlew | Tier 2 | | SC | x | x | x | | | | | | G5 | S2B | |
| <i>Rhynchophanes mccownii</i> | McCown's longspur | Tier 2 | | | x | | x | | | | | | G4 | S2B | |
| <i>Strix occidentalis lucida</i> | Mexican spotted owl | Tier 2 | LT | ST | | | | | | | | | G3T3 | S1B,SUN | |
| <i>Colinus virginianus</i> | Northern bobwhite | Tier 2 | | | | | | | | | | | G5 | S4 | x |
| <i>Accipiter gentilis</i> | Northern goshawk | Tier 2 | | | x | x | | | | | | | G5 | S3B | |
| <i>Circus cyaneus</i> | Northern harrier | Tier 2 | | | x | | | | | | | | G5 | S3B | |
| <i>Contopus cooperi</i> | Olive-sided flycatcher | Tier 2 | | | x | | | x | | | | | G4 | S3S4B | x |
| <i>Gymnorhinus cyanocephalus</i> | Pinyon jay | Tier 2 | | | | | x | x | | | | | G5 | S5 | x |
| <i>Charadrius melodus</i> | Piping plover | Tier 2 | LT | ST | | | | | | | | | G3 | S1B | |
| <i>Falco mexicanus</i> | Prairie falcon | Tier 2 | | | | | x | | | | | | G5 | S4B,S4N | |
| <i>Progne subis</i> | Purple martin | Tier 2 | | | x | | | | | | | | G5 | S3B | |
| <i>Selasphorus rufus</i> | Rufous hummingbird | Tier 2 | | | | | | x | | | | | G5 | SNA | x |
| <i>Amphispiza belli</i> | Sage sparrow | Tier 2 | | | x | | | | | | | | G5 | S3B | x |
| <i>Asio flammeus</i> | Short-eared owl | Tier 2 | | | x | | | | | | | | G5 | S2B | x |
| <i>Buteo swainsoni</i> | Swainson's hawk | Tier 2 | | | | | | | | | | | G5 | S5B | x |
| <i>Bartramia longicauda</i> | Upland sandpiper | Tier 2 | | | | | x | | | | | x | G5 | S3B | |
| <i>Catharus fuscescens</i> | Veery | Tier 2 | | | | | x | | | | | | G5 | S3B | |
| <i>Oreothlypis virginiae</i> | Virginia's warbler | Tier 2 | | | | | | x | | | | | G5 | S5 | |
| <i>Charadrius alexandrinus nivosus</i> | Western snowy plover | Tier 2 | | SC | | x | x | | | | | | G3T3 | S1B | |
| <i>Plegadis chihi</i> | White-faced ibis | Tier 2 | | | | x | | | | | | | G5 | S2B | |
| <i>Grus Americana</i> | Whooping crane | Tier 2 | LE | SE | | | | | | | | x | G1 | SNA | |

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|--------------------------------|--|---------------|----------------|--------------|------------------------|-----------------------|-------------------------------------|--------------------------|-----------------------------------|--------------------------------|---|---------------------------------|--------------------------------|------------------------------------|-----------------|
| FISH | | | | | | | | | | | | | | | |
| <i>Etheostoma exile</i> | Iowa darter | Tier 2 | | SC | | | | | | | | | G5 | S3 | |
| <i>Couesius plumbeus</i> | Lake chub | Tier 2 | | SE | x | | | | | | x | | G5 | S1 | |
| MAMMALS | | | | | | | | | | | | | | | |
| <i>Sciurus aberti</i> | Abert's squirrel** | Tier 2 | | | | | | | | | | | G5 | S5 | |
| <i>Idionycteris phyllotis</i> | Allen's big-eared bat | Tier 2 | | | | x | | | | | | | G4 | SNR | |
| <i>Martes Americana</i> | American marten | Tier 2 | | | x | | | | | | | | G4G5 | S4 | |
| <i>Nyctinomops macrotis</i> | Big free-tailed bat | Tier 2 | | | | x | | | | | | | G5 | S1 | |
| <i>Ovis Canadensis</i> | Bighorn sheep | Tier 2 | | | x | x | | | | | | | G4 | S4 | |
| <i>Bison bison</i> | Bison | Tier 2 | | | | | | | | | | | G4 | SX | |
| <i>Cynomys ludovicianus</i> | Black-tailed prairie dog | Tier 2 | N | SC | x | x | | | | | | x | G4 | S3 | |
| <i>Thomomys bottae rubidus</i> | Botta's pocket gopher (<i>rubidus</i> ssp.) | Tier 2 | | SC | | | | | | | | | G5T1 | S1 | |
| <i>Conepatus leuconotus</i> | Common hog-nosed skunk | Tier 2 | | | x | | | | | | | | G4 | S1 | |
| <i>Sorex nanus</i> | Dwarf shrew | Tier 2 | | | | | | | | | | | G4 | S2 | |
| <i>Canis lupus</i> | Gray wolf | Tier 2 | LE | SE | x | | | | | | | x | G4G5 | SX | |
| <i>Ursus arctos</i> | Grizzly bear | Tier 2 | | SE | | | | | | | | | G4 | SX | |
| <i>Lasiurus cinereus</i> | Hoary bat | Tier 2 | | | x | | | | | | | | G5 | S5B | |
| <i>Vulpes macrotis</i> | Kit fox | Tier 2 | | SE | x | x | | | | | | | G4 | S1 | x |
| <i>Sorex preblei</i> | Preble's shrew | Tier 2 | | | | | | | | | | | G4 | S1 | |
| <i>Brachylagus idahoensis</i> | Pygmy rabbit | Tier 2 | | | | | | | | | | | G4 | SNR | |
| <i>Sorex hoyi montanus</i> | Pygmy shrew | Tier 2 | | | x | | | | | | | | G5T3T4 | S2 | |

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| <i>Clethrionomys gapperi</i> | Red-backed vole** | Tier 2 | | | | | | | | | | | G5 | S5 | |
| <i>Lontra Canadensis</i> | River otter | Tier 2 | | ST | x | | | | | | x | x | G5 | S3S4 | |
| <i>Lemmiscus curtatus</i> | Sagebrush vole | Tier 2 | | | | | | | | | | | G5 | S1 | |
| <i>Lepus americanus</i> | Snowshoe hare** | Tier 2 | | | | | | | | | | | G5 | S5 | |
| <i>Vulpes velox</i> | Swift fox | Tier 2 | | SC | x | x | | | | | | x | G3 | S3 | |
| <i>Lepus townsendii</i> | White-tailed jackrabbit | Tier 2 | | | | | | | | | | | G5 | S4 | |
| MOLLUSKS | | | | | | | | | | | | | | | |
| <i>Ferrissia walker</i> | Cloche ancyloid | Tier 2 | | | | | | | | | | | G4G5Q | S3 | |
| <i>Promenetus umbilicatellus</i> | Cockerell | Tier 2 | | | | | | | | | | | G4 | S3 | |
| <i>Anodontoides ferussacianus</i> | Cylindrical papershell | Tier 2 | | SC | | | | | | | | | G5 | S2 | |
| <i>Ferrissia fragilis</i> | Fragil ancyloid | Tier 2 | | | | | | | | | | | G5Q | S1 | |
| <i>Physa cupreonitens</i> | Hot springs physa | Tier 2 | | | | | | | | | | | G5Q | S2 | |
| <i>Uniomerus tetralasmus</i> | Pondhorn | Tier 2 | | | | | | | | | | | G5 | S1 | |
| <i>Acroloxus coloradensis</i> | Rocky Mountain capshell | Tier 2 | | SC | x | | | | | | | | G3 | S1 | |
| <i>Promenetus exacuouus</i> | Sharp sprite | Tier 2 | | | | | | | | | | | G5 | S2 | |
| <i>Physa gyrina utahensis</i> | Utah physa | Tier 2 | | | | | | | | | | | G5T2 | S1 | |
| REPTILES | | | | | | | | | | | | | | | |
| <i>Thamnophis cyrtopsis</i> | Black-necked gartersnake | Tier 2 | | | | | | | | | | | G5 | S2? | |
| <i>Lampropeltis californiae</i> | California kingsnake | Tier 2 | | SC | | x | | | | | | | G5 | S1 | |
| <i>Thamnophis sirtalis</i> | Common gartersnake | Tier 2 | | SC | | | | | | | | | G5 | S3 | x |
| <i>Sceloporus magister</i> | Desert spiny lizard | Tier 2 | | | | x | | | | | | | G5 | S2 | |
| <i>Gambelia wislizenii</i> | Long-nosed leopard lizard | Tier 2 | | SC | | x | | | | | | | G5 | S1 | |

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| <i>Rhinocheilus lecontei</i> | Long-nosed snake | Tier 2 | | | | | | | | | | | G5 | S1? | |
| <i>Crotalus oreganus concolor</i> | Midget faded rattlesnake | Tier 2 | | SC | | x | | | | | | | G5T4 | S3? | |
| <i>Lampropeltis triangulum</i> | Milksnake | Tier 2 | | | | x | | | | | | | G5 | S2? | |
| <i>Rena dissectus</i> | New Mexico threadsnake | Tier 2 | | SC | | | | | | | | | G4G5 | S1 | |
| <i>Hypsiglena chlorophaea</i> | Desert nightsnake | Tier 2 | | | | | | | | | | | G5 | S3 | |
| <i>Phrynosoma modestum</i> | Round-tailed horned lizard | Tier 2 | | SC | | | | | | | | | G5 | S1 | |
| <i>Tantilla horbartsmithi</i> | Smith's black-headed snake | Tier 2 | | | | | | | | | | | G5 | S2? | |
| <i>Phrynosoma cornutum</i> | Texas horned lizard | Tier 2 | | SC | | | | | | | | | G4G5 | S3 | |
| <i>Kinosternon flavescens</i> | Yellow mud turtle | Tier 2 | | SC | | | | | | | | | G5 | S1 | |