

# Montana Natural Heritage - SOC Report

## Animal Species of Concern

Species List Last Updated **03/01/2022**



A program of the Montana State Library's  
Natural Resource Information System.

**227** Species of Concern  
**93** Potential Species of Concern  
**59** Special Status Species  
All Records (no filtering)

This is a **statewide report**.

For smaller areas and any environmental review, permitting, or planning efforts, please **request** an Environmental Summary Report. Agency resource managers can generate Environmental Summary Reports with an agency account in our **Map Viewer** application.

NVPL NOTE: The list in this notebook is limited to species reported in Ravalli County. View the full report at [mtnhp.org/SpeciesOfConcern/?AorP=a](http://mtnhp.org/SpeciesOfConcern/?AorP=a)

### Introduction

The Montana Natural Heritage Program (MTNHP) serves as the state's information source for animals, plants, and plant communities with a focus on species and communities that are rare, threatened, and/or have declining trends and as a result are at risk or potentially at risk of extirpation in Montana.

This report on **Montana Animal Species of Concern** is produced jointly by the Montana Natural Heritage Program (MTNHP) and Montana Department of Fish, Wildlife, and Parks (MFWP). Montana Animal Species of Concern are native Montana animals that are considered to be "at risk" due to declining population trends, threats to their habitats, and/or restricted distribution.

Also included in this report are **Potential Animal Species of Concern** -- animals for which current, often limited, information suggests potential vulnerability or for which additional data are needed before an accurate status assessment can be made.

We also include **Special Status Species** which are species that have some legal protections in place, but are otherwise not Montana Species of Concern. Bald Eagle is a Special Status Species because, although it is no longer protected under the Endangered Species Act and is also no longer a Montana Species of Concern, it is still protected under the **Bald and Golden Eagle Protection Act of 1940** (16 U.S.C. 668-668c). Red Knot is not a Montana Species of Concern, having a state rank of **SNA** because it is a rare migrant with accidental to irregular stopovers in Montana's wetlands during its migration between its arctic breeding range and overwintering areas in South America. However it is a Special Status Species because it is listed as Threatened in Montana under the Endangered Species Act (16 U.S.C. 1531-1544).

Over the last 200 years, 5 species with historic breeding ranges in Montana have been extirpated from the state; Woodland Caribou (*Rangifer tarandus*), Greater Prairie-Chicken (*Tympanuchus cupido*), Passenger Pigeon (*Ectopistes migratorius*), Pilose Crayfish (*Pacifastacus gambelii*), and Rocky Mountain Locust (*Melanoplus spretus*). Designation as a Montana Animal Species of Concern or Potential Animal Species of Concern is not a statutory or regulatory classification. Instead, these designations provide a basis for resource managers and decision-makers to make proactive decisions regarding species conservation and data collection priorities in order to avoid additional extirpations.

Status determinations are made by MTNHP and MFWP biologists in consultation with representatives of the Montana Chapter of the Wildlife Society, the Montana Chapter of the American Fisheries Society, and other experts. The process for evaluating and assigning status designations uses the Natural Heritage Program ranking system, described below, which forms the basis for identifying Montana Species of Concern.

### How to Read the Lists

#### What Species are Included in this Report

Montana Species of Concern are defined as vertebrate animals with a state rank of S1, S2, or S3. Vertebrate species with a rank indicating uncertainty (SU), a "range rank" extending below the S3 cutoff (e.g., S3S4), or those ranked S4 for which there is limited baseline information on status are considered Potential Species of Concern. Because documentation for invertebrates is typically less complete than for vertebrates, only those ranked S1 or S2 are included as SOC. Invertebrates with a range rank extending below S2 (e.g., S2S3) are included as SOC only if their global ranks are G2G3 or G3, or if experts agree their occurrence in Montana has been adequately documented. Other invertebrates of concern with global ranks other than G1, G2, or G3 and with state ranks below S2 or range ranks extending below S2 (e.g., S3S4) are treated as Potential Species of Concern.

#### Organization of List

Both the list of Species of Concern and the list of Potential Species of Concern are grouped taxonomically in the following order: mammals, birds, reptiles, amphibians, fish, and various invertebrates. Within each taxonomic group you can sort species by common name or scientific name.

#### County Distribution

This column lists the documented county distribution for each species, including extant and historical occurrences. Any occurrences that cross county boundaries are counted for each county. Many older occurrence records and specimen collections are only known from vague location information and the area mapped as the potential area of observation may be quite large, leading to more than one county being counted.

#### Additions and Deletions

Species that have been added to or deleted from the SOC list due to changes in their state rank are reported in separate sections below; changes in global ranks are not tracked in this report.

## Montana Species Ranking Codes (GRank, SRank)

Montana employs a standardized ranking system to denote **global** (range-wide) and **state** status (NatureServe 2006). Species are assigned numeric ranks ranging from 1 (highest risk, greatest concern) to 5 (demonstrably secure), reflecting the relative degree of risk to the species' viability, based upon available information.

Several categories of information are used to calculate a status rank and the ranking process is flexible to accommodate the information available. Information on geographic range, population, and area occupied by the species is considered as well as the species' environmental specificity to determine how common and widespread the species is within the state. Next, information on the short-term (10 years or 3 generations) and long-term (200 years or time since European arrival) trends in population, habitat, area occupied, or range are assessed. Finally, ongoing and future threats likely to impact the species in the next 20 years, potential impacts on current populations, and the ability of the species to recover are assessed. If threat information is lacking, the intrinsic vulnerability of the species to extirpation is assessed. These criteria are then categorized and assigned a numeric value to calculate the status rank. All ranks are then assessed and approved by the Species of Concern Committee comprised of Montana Natural Heritage Program and Montana Fish, Wildlife, and Parks staff with input from species experts and members of the Montana Chapters of the American Fisheries Society and Wildlife Society. For more information about the ranking process see the State Conservation Rank Criteria ([https://mtnhp.org/animal/2004\\_SOC\\_Criteria.htm](https://mtnhp.org/animal/2004_SOC_Criteria.htm)) or contact the Species of Concern Committee Chair, Dan Bachen ([dbachen@mt.gov](mailto:dbachen@mt.gov)).

### Rank Definition

- G1 S1** At high risk because of **extremely limited** and/or **rapidly declining** population numbers, range and/or habitat, making it highly vulnerable to global extinction or extirpation in the state.
- G2 S2** At risk because of **very limited** and/or **potentially declining** population numbers, range and/or habitat, making it vulnerable to global extinction or extirpation in the state.
- G3 S3** Potentially at risk because of **limited** and/or **declining** numbers, range and/or habitat, even though it may be abundant in some areas.
- G4 S4** Apparently secure, though it may be quite rare in parts of its range, and/or suspected to be declining.
- G5 S5** Common, widespread, and abundant (although it may be rare in parts of its range). Not vulnerable in most of its range.
- GX SX** Presumed Extinct or Extirpated - Species is believed to be extinct throughout its range or extirpated in Montana. Not located despite intensive searches of historical sites and other appropriate habitat, and small likelihood that it will ever be rediscovered.
- GH SH** Historical, known only from records usually 40 or more years old; may be rediscovered.
- GNR SNR** Not Ranked as of yet.
- GU SU** Unrankable - Species currently unrankable due to lack of information or due to substantially conflicting information about status or trends.
- GNASNA** A conservation status rank is not applicable because the species or ecosystem is not a suitable target for conservation activities as a result of being: 1) not confidently present in the state; 2) non-native or introduced; 3) a long distance migrant with accidental or irregular stopovers; or 4) a hybrid without conservation value.

### Combination or Range Ranks

#### G#G#

or  
Indicates a range of uncertainty about the status of the species (e.g., G1G3 = Global Rank ranges between G1 and G3).

#### S#S#

**S#, S#** Indicates that populations in different geographic portions of the species' range in Montana have a different conservation status (e.g., S1 west of the Continental Divide and S4 east of the Continental Divide).

#### Sub-rank

**T#** Rank of a subspecies or variety. Appended to the global rank of the full species, e.g. G4T3

#### Qualifiers

- Q** **Questionable** taxonomy that may reduce conservation priority-Distinctiveness of this entity as a taxon at the current level is questionable; resolution of this uncertainty may result in change from a species to a subspecies or hybrid, or inclusion of this taxon in another taxon, with the resulting taxon having a lower-priority (numerically higher) conservation status rank. Appended to the global rank, e.g. G3Q
- ?** **Inexact Numeric Rank** - Denotes uncertainty; inexactness.
- HYB** **Hybrid** - Entity not ranked because it represents an interspecific hybrid and not a species.
- C** **Captive or Cultivated Only** - Species at present exists only in captivity or cultivation, or as a reintroduced population not yet established.
- A** **Accidental** - Species is accidental or casual in Montana, in other words, infrequent and outside usual range. Includes species (usually birds or butterflies) recorded once or only a few times at a location. A few of these species may have bred on the few occasions they were recorded.
- SYN** **Synonym** - Species reported as occurring in Montana, but the Montana Natural Heritage Program does not recognize the taxon; therefore the species is not assigned a rank.
- B** **Breeding** - Rank refers to the breeding population of the species in Montana. Appended to the state rank, e.g. S2B,S5N = At risk during breeding season, but common in the winter
- N** **Nonbreeding** - Rank refers to the non-breeding population of the species in Montana. Appended to the state rank, e.g. S5B,S2N = Common during breeding season, but at risk in the winter
- M** **Migratory** - Species occurs in Montana only during migration.

## Federal Status

Designations in this column reflect the status of a species under the U.S. Endangered Species Act (ESA), or as "sensitive" by the U.S. Forest Service (USFS) or Bureau of Land Management (BLM).

## U.S. Fish and Wildlife Service (Endangered Species Act)

Status of a taxon under the federal Endangered Species Act of 1973  
(16 U.S.C.A. § 1531-1543 (Supp. 1996))

### Designation Descriptions

|              |  |
|--------------|--|
| <b>LE</b>    | <b>Listed endangered:</b> Any species in danger of extinction throughout all or a significant portion of its range (16 U.S.C. 1532(6)).  |
| <b>LT</b>    | <b>Listed threatened:</b> Any species likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range (16 U.S.C. 1532(20)).  |
| <b>C</b>     | <b>Candidate:</b> Those taxa for which sufficient information on biological status and threats exists to propose to list them as threatened or endangered. We encourage their consideration in environmental planning and partnerships; however, none of the substantive or procedural provisions of the Act apply to candidate species.   |
| <b>P</b>     | <b>Proposed threatened:</b> Any species that is proposed in the Federal Register to be listed under section 4 of the Act.  |
| <b>DM</b>    | <b>Recovered, delisted, and being monitored</b> - Any previously listed species that is now recovered, has been delisted, and is being monitored.  |
| <b>NL</b>    | <b>Not listed</b> - No designation.  |
| <b>XE</b>    | <b>Experimental - Essential population</b> - An experimental population whose loss would be likely to appreciably reduce the likelihood of the survival of the species in the wild.  |
| <b>XN</b>    | <b>Experimental - Nonessential population</b> - An experimental population of a listed species reintroduced into a specific area that receives more flexible management under the Act.   |
| <b>CH</b>    | <b>Critical Habitat</b> - The specific areas (i) within the geographic area occupied by a species, at the time it is listed, on which are found those physical or biological features (I) essential to conserve the species and (II) that may require special management considerations or protection; and (ii) specific areas outside the geographic area occupied by the species at the time it is listed upon determination that such areas are essential to conserve the species.  |
| <b>PS</b>    | <b>Partial status</b> - status in only a portion of the species' range. Typically indicated in a "full" species record where an infraspecific taxon or population, that has a record in the database has USESA status, but the entire species does not. For example, Yellow-billed Cuckoo ( <i>Coccyzus americanus</i> ) is ranked <b>PS:LT</b> . Partial Status - Listed Threatened. Designated as Threatened in the Western U.S. Distinct Population Segment (DPS) (subspecies <i>occidentalis</i> )   |
| <b>BGEPA</b> | <b>The Bald and Golden Eagle Protection Act of 1940 (BGEPA)</b> - (16 U.S.C. 668-668c) prohibits anyone, without a permit issued by the Secretary of the Interior, from taking bald or golden eagles, including their parts, nests, or eggs. The BGEPA provides criminal and civil penalties for persons who take, possess, sell, purchase, barter, offer to sell, purchase or barter, transport, export or import, at any time or any manner, any bald eagle ... [or any golden eagle], alive or dead, or any part, nest, or egg thereof. The BGEPA defines take as pursue, shoot, shoot at, poison, wound, kill, capture, trap, collect, molest or disturb. "Disturb" means to agitate or bother a bald or golden eagle to a degree that causes, or is likely to cause, based on the best scientific information available, 1) injury to an eagle, 2) a decrease in its productivity, by substantially interfering with normal breeding, feeding, or sheltering behavior, or 3) nest abandonment, by substantially interfering with normal breeding, feeding, or sheltering behavior. In addition to immediate impacts, this definition also covers impacts that result from human-induced alterations initiated around a previously used nest site during a time when eagles are not present, if, upon the eagles return, such alterations agitate or bother an eagle to a degree that injures an eagle or substantially interferes with normal breeding, feeding, or sheltering habits and causes, or is likely to cause, a loss of productivity or nest abandonment.  |
| <b>MBTA</b>  | <b>The Migratory Bird Treaty Act (MBTA)</b> - (16 U.S.C. §§ 703-712, July 3, 1918, as amended 1936, 1960, 1968, 1969, 1974, 1978, 1986 and 1989) implements four treaties that provide for international protection of migratory birds. The statute's language is clear that actions resulting in a "taking" or possession (permanent or temporary) of a protected species, in the absence of a U.S. Fish and Wildlife Service (USFWS) permit or regulatory authorization, are a violation of the MBTA. The MBTA states, "Unless and except as permitted by regulations ... it shall be unlawful at any time, by any means, or in any manner to pursue, hunt, take, capture, kill ... possess, offer for sale, sell ... purchase ... ship, export, import ... transport or cause to be transported ... any migratory bird, any part, nest, or eggs of any such bird .... [The Act] prohibits the taking, killing, possession, transportation, import and export of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Department of the Interior." The word "take" is defined by regulation as "to pursue, hunt, shoot, wound, kill, trap, capture, or collect, or attempt to pursue, hunt, shoot, wound, kill, trap, capture, or collect." The USFWS maintains a list of species protected by the MBTA at 50 CFR 10.13. This list includes over one thousand species of migratory birds, including eagles and other raptors, waterfowl, shorebirds, seabirds, wading birds, and passerines. The USFWS also maintains a list of species not protected by the MBTA. MBTA does not protect species that are not native to the United States or species groups not explicitly covered under the MBTA; these include species such as the house (English) sparrow, European starling, rock dove (pigeon), Eurasian collared-dove, and non-migratory upland game birds. |
| <b>BCC</b>   | The 1988 amendment to the Fish and Wildlife Conservation Act mandates the U.S. Fish and Wildlife Service to identify species, subspecies, and populations of all migratory nongame birds that, without additional conservation actions, are likely to become candidates for listing under the Endangered Species Act. <b>Birds of Conservation Concern 2008 (BCC 2008)</b> is the most recent effort to carry out this mandate. The overall goal of this report is to accurately identify the migratory and non-migratory bird species (beyond those already designated as federally threatened or endangered) that represent the Service's highest conservation priorities. BCC10, BCC11, and BCC17 designations represent inclusion on the Birds of Conservation Concern list for Bird Conservation Region 10, 11, and 17 in Montana, respectively.  |

## Bureau of Land Management (BLM)

BLM Sensitive Species are defined by the BLM 6840 Manual as native species found on BLM-administered lands for which the BLM has the capability to significantly affect the conservation status of the species through management, and either: (1) there is information that a species has recently undergone, is undergoing, or is predicted to undergo a downward trend such that the viability of the species or a distinct population segment of the species is at risk across all or a significant portion of the species range, or; (2) the species depends on ecological refugia or specialized or unique habitats on BLM-administered lands, and there is evidence that such areas are threatened with alteration such that the continued viability of the species in that area would be at risk.

### Designation Descriptions

|                   |  |
|-------------------|--|
| <b>Endangered</b> | Denotes species that are listed as Endangered under the Endangered Species Act |
| <b>Threatened</b> | Denotes species that are listed as Threatened under the Endangered Species Act |
| <b>Sensitive</b>  | Denotes species listed as Sensitive on BLM lands                               |

## U.S. Forest Service (USFS)

### Designation Descriptions

|                   |   |
|-------------------|---|
| <b>Endangered</b> | Listed as Endangered (LE) under the U.S. Endangered Species Act.                              |
| <b>Threatened</b> | Listed as Threatened (LT) under the U.S. Endangered Species Act.                              |
| <b>Proposed</b>   | Any species that is proposed in the Federal Register to be listed under section 4 of the Act. |

|  |  |
|--|--|
| <b>Candidate</b>                       | Those taxa for which sufficient information on biological status and threats exists to propose to list them as threatened or endangered. We encourage their consideration in environmental planning and partnerships; however, none of the substantive or procedural provisions of the Act apply to candidate species.   |
| <b>Sensitive</b>                       | U.S. Forest Service Manual (2670.22) defines Sensitive Species on Forest Service lands as those for which population viability is a concern as evidenced by a significant downward trend in population or a significant downward trend in habitat capacity. These designations were last updated in 2011 and they apply only on USFS-administered lands with land management plans finalized prior to 2017. Sensitive Species designations are being replaced by Species of Conservation Concern designations on individual National Forest as revised land management plans are finalized under the 2012 planning rule. |
| <b>Species of Conservation Concern</b> | A species, other than federally recognized Threatened, Endangered, Proposed, or Candidate species, that is known to occur in the plan area and for which the regional forester has determined that the best available scientific information indicates substantial concern about the species' capability to persist over the long-term in the plan area (36 CFR 219.9). Species of Conservation Concern replace regional forester Sensitive Species on individual National Forests as revised land management plans are finalized under the 2012 planning rule.  |

## Acknowledgements

MTNHP and MFWP staff work together on a daily basis to manage information used to evaluate the status of Montana's animal species. We extend our thanks to these individuals and professional biologists that study and work to conserve species across Montana. We also thank a number of private citizens that spend a great deal of their free time contributing valuable information to statewide databases so that species can be better understood and managed.

## Selected References

- Abbott, J.C. 2006. Odonata Central: An online resource for the Odonata of North America. Austin, TX. (Accessed: July 28, 2009). [www.odonatacentral.com](http://www.odonatacentral.com)
- Acorn, J. 2004. *Damselflies of Alberta: flying neon toothpicks in grass*. Edmonton, Alberta: University of Alberta Press. 156 p.
- Brown, C.J.D. 1971. *Fishes of Montana*. Bozeman, MT: Montana State University. 207 p.
- Flath, D.L. 1984. Vertebrate species of special interest or concern. Helena, MT: Montana Department of Fish, Wildlife and Parks. 76 p.
- Flath, D.L. 1998. Species of special interest or concern. Helena, MT: Montana Department of Fish, Wildlife and Parks. 7 p.
- Frest, T.J. and E.J. Johannes. 1995. Interior Columbia Basin mollusk species of special concern. Final report to the Interior Columbia Basin Ecosystem Management Project, Walla Walla, WA. 274 p. plus appendices.
- Foresman, K.R. 2001. *The wild mammals of Montana*. Special Publication No. 12. Lawrence, KS: The American Society of Mammalogists. 278 p.
- Hand, R.L. 1969. A distributional checklist of the birds of western Montana. Unpublished manuscript available from the Montana State Library, Helena, MT. 55 p.
- Hendricks, P., B.A. Maxell, S. Lenard, C. Currier, and J. Johnson. 2006. Riparian bat surveys in eastern Montana. Report to the USDI Bureau of Land Management, Montana State Office. Helena, MT: Montana Natural Heritage Program. 13 p. + appendices.
- Hendricks, P., B.A. Maxell, S. Lenard, and C. Currier. 2007. Land mollusk surveys on USFS Northern Region Lands: 2006. Report to the USDA Forest Service, Northern Region. Helena, MT: Montana Natural Heritage Program. 11 pp. + appendices.
- Hendricks, P., B.A. Maxell, S. Lenard, and C. Currier. 2008. Surveys and predicted distribution models for land mollusks on USFS Northern Region Lands: 2007. Report to the USDA Forest Service, Northern Region. Helena, MT: Montana Natural Heritage Program. 12 pp. + appendices.
- Hoffman, R.L. 1999. Checklist of the millipeds of North and Middle America. Special Publication No. 8. Martinsville, VA: Virginia Museum of Natural History. 584 p.
- Hoffmann, R.S. and D.L. Pattie. 1968. A guide to Montana mammals. Missoula, MT: University of Montana Printing Services. 133 p.
- Holton, G.D. and H.E. Johnson. 2003. *A field guide to Montana fishes*. Third Edition. Helena, MT: Montana Department of Fish, Wildlife, and Parks. 95 p.
- Kohler, S. 1980. Checklist of Montana butterflies (Rhopalocera). *Journal of the Lepidopterists' Society* 34(1):1-19.
- Lenard, S., J. Carlson, J. Ellis, C. Jones, and C. Tilly. 2003. *P.D. Skaar's Montana bird distribution*. Sixth edition. Helena, MT: Montana Audubon. 144 p.
- Lenard, S., B.A. Maxell, P. Hendricks, and C. Currier. 2007. Bat Surveys on USFS Northern Region 1 Lands in Montana: 2006. Report to the USDA Forest Service, Northern Region. Montana Natural Heritage Program, Helena, Montana 23 pp. plus appendices.
- Lewis, J.J. 2001. Three new species of subterranean assellids from western North America, with a synopsis of the species of the region (Crustacea: Isopoda: Asellidae). *Texas Memorial Museum, Speleological Monographs* 5:1-15.
- Maxell, B.A., J.K. Werner, P. Hendricks, and D. Flath. 2003. *Herpetology in Montana: a history, status summary, checklists, dichotomous keys, accounts for native, potentially native, and exotic species, and indexed bibliography*. Olympia, WA: Society for Northwestern Vertebrate Biology. *Northwest Fauna* 5: 1-138.
- Miller, K.B. and D.L. Gustafson. 1996. Distribution records of the Odonata of Montana. *Bulletin of American Odonatology* 3(4):75-88.
- [Montana Fish Wildlife and Parks]. 2005. Montana's comprehensive fish and wildlife conservation strategy. Helena, MT: Montana Fish, Wildlife & Parks. 658 p.
- Montana Natural Heritage Program and Montana Fish Wildlife and Parks. 2009. Montana animal Species of Concern. Helena, MT: Montana Natural Heritage Program and Montana Department of Fish Wildlife and Parks. 17 p.
- NatureServe. 2009. NatureServe Explorer: An on-line encyclopedia of life [web application]. Version 7.1. Arlington, VA. (Accessed: July 28, 2009). [explorer.natureserve.org](http://explorer.natureserve.org).
- Opler, P.A., H. Pavulaan, R.E. Stanford, and M. Pogue (coordinators). 2006. Butterflies and moths of North America. Bozeman, MT: NBII Mountain Prairie Information Node. (Accessed: July 28, 2009). <http://www.butterfliesandmoths.org/>
- Paulson, D.R. 2009. *Dragonflies and damselflies of the West*. Princeton, NJ: Princeton University Press. 535 p.
- Pearson, D.L., C.B. Knisley, and C.J. Kazilek. 2006. *A field guide to the tiger beetles of the United States and Canada: identification, natural history, and distribution of the Cicindelidae*. New York, NY: Oxford University Press. 227 p.
- Regan, T.J., L.L. Master, and G.A. Hammerson. 2004. Capturing expert knowledge for threatened species assessments: a case study using NatureServe conservation status ranks. *Acta Oecologica* 26:95-107.
- Roemhild, G. 1975. The damselflies (Zygoptera) of Montana. Montana Agricultural Experiment Station Research Report 87. Bozeman, MT: Montana State University. 53 p.
- Saunders, A.A. 1921. A distributional list of the birds of Montana with notes on the migration and nesting of the better known species. *Pacific Coast Avifauna* Number 14. Berkeley, CA: Cooper Ornithological Club. 194 p.
- Stagliano, D.M. 2008. *Freshwater mussels of Montana*. Helena, MT: Montana Natural Heritage Program. 20 p.
- Stagliano, D.M., G.M. Stephens, and W.R. Bosworth. 2007. Aquatic invertebrate Species of Concern on USFS Northern Region Lands. Report to USDA Forest Service, Northern Region. Helena, MT: Montana Natural Heritage Program. 95 pp. + appendices.
- Thompson, L.S. 1982. Distribution of Montana amphibians, reptiles, and mammals. Helena, MT: Montana Audubon Council. 24 p.
- Wang, D. and J.R. Holsinger. 2001. Systematics of the subterranean amphipod genus *Stygobromus* (Crangonyctidae) in western North America, with emphasis on the hubbsi group. *Amphipacifica* 3:39-147.
- Werner, J.K., B.A. Maxell, P. Hendricks, and D. Flath. 2004. *Amphibians and reptiles of Montana*. Missoula, MT: Mountain Press Publishing Company. 262 p.

- Westfall, M.J., Jr. and M.L. May. 1996. *Damselflies of North America*. Gainesville, FL: Scientific Publishers. 650 p.
- Westfall, M.J. Jr. and M.L. May. 2000. *Dragonflies of North America*. Revised Edition Gainesville, FL: Scientific Publishers. 940 p.
- Wright, P.L. 1996. Status of rare birds in Montana with comments on known hybrids. *Northwest Naturalist* 77(3):57-85.

### Contact Information

For questions or comments specific to this publication or for specific zoology related questions, please contact:

**Dan Bachen**

Senior Zoologist

[dbachen@mt.gov](mailto:dbachen@mt.gov)

Work (Preferred): (406) 444-3586

Cell: (406) 546-4302

**Staff Profile**

For general questions and zoology-related data requests please use the Information Request function on our website ([mtnhp.org](http://mtnhp.org)) or the general MTNHP contact info below.

Montana Natural Heritage Program

1201 11th Ave.

P.O. Box 201800

Helena, MT 59620-1800

(406) 444-3989

E-mail: [mtnhp@mt.gov](mailto:mtnhp@mt.gov)

## Species of Concern

227 Species

All Records (no filtering)

| MAMMALS (MAMMALIA)   |  |                |               |       |  |           |             |  |                                   | 30 SPECIES |
|--|--|----------------|---------------|-------|--|-----------|-------------|--|-----------------------------------|------------|
| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT  | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)             | GLOBAL<br>RANK | STATE<br>RANK | USFWS | USFS   | BLM       | FWP SWAP    | % OF GLOBAL<br>BREEDING RANGE IN<br>MT | % OF MT THAT IS<br>BREEDING RANGE |            |
| <b>Antrozous pallidus</b><br>Pallid Bat  | <b>Vespertilionidae</b><br>Bats                    | G4             | S3            |       |  | SENSITIVE | SGCN3       | 0%                                     | 6%                                |            |
| <p><b>Species Occurrences verified in these Counties:</b> Carbon, Musselshell, Powder River, Rosebud, Yellowstone</p> <p><b>State Rank Reason:</b> Species is rare within range and data to assess threats and population trends does not exist. Limited distribution and low fecundity make this species intrinsically vulnerable to threats.</p>   |  |                |               |       |  |           |             |  |                                   |            |
| <b>Blarina brevicauda</b><br>Northern Short-tailed Shrew   | <b>Soricidae</b><br>Shrews                         | G5             | S1S3          |       |  |           | SGCN1-3     | 1%                                     | 1%                                |            |
| <p><b>Species Occurrences verified in these Counties:</b> Sheridan</p>   |  |                |               |       |  |           |             |  |                                   |            |
| <b>Bos bison</b><br>Bison  | <b>Bovidae</b><br>Bison / Goat / Sheep             | G4             | S2            |       |  |           | SGCN2       | 4%                                     | 1%                                |            |
| <p><b>Species Occurrences verified in these Counties:</b> Carbon, Gallatin, Lake, Madison, Park, Sanders, Stillwater, Sweet Grass</p>  |  |                |               |       |  |           |             |  |                                   |            |
| <b>Brachylagus idahoensis</b><br>Pygmy Rabbit  | <b>Leporidae</b><br>Rabbits                        | G4             | S3            |       | Sensitive - Known in Forests (BD)                  | SENSITIVE | SGCN3       | 2%                                     | 4%                                |            |
| <p><b>Species Occurrences verified in these Counties:</b> Beaverhead, Deer Lodge, Madison</p> <p><b>State Rank Reason:</b> Species occupies a limited distribution within the state and threats to sagebrush habitat including development and conifer encroachment may affect long-term persistence.</p>  |  |                |               |       |  |           |             |  |                                   |            |
| <b>Chaetodipus hispidus</b><br>Hispid Pocket Mouse   | <b>Heteromyidae</b><br>Pocket Mice / Kangaroo Rats | G5             | S3            |       |  |           |             | 1%                                     | 2%                                |            |
| <p><b>Species Occurrences verified in these Counties:</b> Carter</p> <p><b>State Rank Reason:</b> Species is known from less than 10 observations and data to assess the conservation status in Montana are not available, and further surveys are needed.</p>   |  |                |               |       |  |           |             |  |                                   |            |
| <b>Corynorhinus townsendii</b><br>Townsend's Big-eared Bat   | <b>Vespertilionidae</b><br>Bats                    | G4             | S3            |       | Sensitive - Known in Forests (BD, BRT, KOOT, LOLO) | SENSITIVE | SGCN3       | 5%                                     | 87%                               |            |
| <p><b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Fergus, Flathead, Gallatin, Garfield, Granite, Jefferson, Judith Basin, Lake, Lewis and Clark, Lincoln, Madison, McCone, Meagher, Mineral, Missoula, Musselshell, Park, Phillips, Powder River, Powell, Prairie, Ravalli, Richland, Roosevelt, Rosebud, Sanders, Silver Bow, Stillwater, Treasure, Valley, Yellowstone</p> <p><b>State Rank Reason:</b> Species is widespread, but uncommon and appears to occur at low densities. Disturbance of cave and mine roosts and the hard closure of occupied mines threaten long-term persistence.</p>   |  |                |               |       |  |           |             |  |                                   |            |
| <b>Cynomys leucurus</b><br>White-tailed Prairie Dog  | <b>Sciuridae</b><br>Squirrels                      | G4             | S1            |       | Species of Conservation Concern in Forests (CG)    | SENSITIVE | SGCN1       | 1%                                     | 1%                                |            |
| <p><b>Species Occurrences verified in these Counties:</b> Carbon</p> <p><b>State Rank Reason:</b> Within Montana, this species is found only in a small geographic area and the total population exists within a few colonies. The population appears to have declined over the last few decades, and faces ongoing threats from sylvatic plague.</p>  |  |                |               |       |  |           |             |  |                                   |            |
| <b>Cynomys ludovicianus</b><br>Black-tailed Prairie Dog  | <b>Sciuridae</b><br>Squirrels                      | G4             | S3            |       |  | SENSITIVE | SGCN3       | 15%                                    | 71%                               |            |
| <p><b>Species Occurrences verified in these Counties:</b> Big Horn, Blaine, Carbon, Carter, Cascade, Chouteau, Custer, Fallon, Fergus, Garfield, Golden Valley, Hill, Jefferson, Judith Basin, Lewis and Clark, Liberty, McCone, Musselshell, Petroleum, Phillips, Powder River, Prairie, Richland, Rosebud, Stillwater, Sweet Grass, Toole, Treasure, Valley, Wheatland, Yellowstone</p> <p><b>State Rank Reason:</b> Across much of eastern Montana this species occurs in areas with suitable soil and topography. However sylvatic plague has caused the species to decline and has affected colony size and dynamics. Ongoing threats from disease and persecution due to perceived competition with grazing make long-term status of this species uncertain.</p> |  |                |               |       |  |           |             |  |                                   |            |
| <b>Euderma maculatum</b><br>Spotted Bat  | <b>Vespertilionidae</b><br>Bats                    | G4             | S3            |       | Sensitive - Known in Forests (BD)                  | SENSITIVE | SGCN3, SGIN | 5%                                     | 27%                               |            |
| <p><b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Cascade, Chouteau, Dawson, Fergus, Gallatin, Jefferson, Judith Basin, Lewis and Clark, Madison, Musselshell, Park, Phillips, Powder River, Richland, Rosebud, Silver Bow, Stillwater, Treasure, Yellowstone</p> <p><b>State Rank Reason:</b> Little is known about this species in Montana. Although widely distributed, the species is quite rare in almost all of its range. Little is known about trends in abundance or occupancy, or life history.</p>  |  |                |               |       |  |           |             |  |                                   |            |
| <b>Gulo gulo</b><br>Wolverine  | <b>Mustelidae</b><br>Weasels                       | G4             | S3            |       | Sensitive - Known in Forests (BD, BRT, KOOT, LOLO) | SENSITIVE | SGCN3       | 0%                                     | 37%                               |            |
| <p><b>Species Occurrences verified in these Counties:</b> Beaverhead, Broadwater, Carbon, Cascade, Deer Lodge, Flathead, Gallatin, Glacier, Granite, Jefferson, Judith Basin, Lake, Lewis and Clark, Lincoln, Madison, Meagher, Mineral, Missoula, Park, Pondera, Powell, Ravalli, Sanders, Silver Bow, Stillwater, Sweet Grass, Teton, Wheatland</p>  |  |                |               |       |  |           |             |  |                                   |            |



|  |  |  |      |        |  |            |             |     |      |
|--|--|--|------|--------|--|------------|-------------|-----|------|
| <b>Lasiurus borealis</b><br>Eastern Red Bat                | <b>Vespertilionidae</b><br>Bats                    | G3G4   | S3B  |        |  | SENSITIVE  |             | 0%  | 46%  |
|  |  | <b>Species Occurrences verified in these Counties:</b> Big Horn, Blaine, Carbon, Carter, Cascade, Chouteau, Custer, Daniels, Fergus, Garfield, Glacier, Hill, Judith Basin, Lewis and Clark, Mccone, Musselshell, Park, Petroleum, Phillips, Pondera, Powder River, Prairie, Richland, Roosevelt, Rosebud, Sweet Grass, Toole, Valley, Wheatland, Yellowstone<br><b>State Rank Reason:</b> Recent surveys using acoustic detectors have shown this species to be present across much of central and eastern Montana during the summer and fall. Tree roosting bat species, including the Eastern Red Bat, are commonly killed at wind farms, which presents a substantial threat to the long-term viability of populations within the state.   |      |        |  |            |             |     |      |
| <b>Lasiurus cinereus</b><br>Hoary Bat                      | <b>Vespertilionidae</b><br>Bats                    | G3G4   | S3B  |        |  | SENSITIVE  | SGCN3       | 2%  | 100% |
|  |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Daniels, Dawson, Deer Lodge, Fallon, Fergus, Flathead, Gallatin, Garfield, Glacier, Golden Valley, Granite, Hill, Jefferson, Judith Basin, Lake, Lewis and Clark, Liberty, Lincoln, Madison, Mccone, Meagher, Mineral, Missoula, Musselshell, Park, Petroleum, Phillips, Pondera, Powder River, Powell, Prairie, Ravalli, Richland, Roosevelt, Rosebud, Sanders, Sheridan, Silver Bow, Stillwater, Sweet Grass, Teton, Toole, Treasure, Valley, Wheatland, Wibaux, Yellowstone   |      |        |  |            |             |     |      |
| <b>Lynx canadensis</b><br>Canada Lynx                      | <b>Felidae</b><br>Cats                             | G5   | S3   | LT; CH |  | THREATENED | SGCN3       | 1%  | 40%  |
|  |  | <b>Species Occurrences verified in these Counties:</b> Carbon, Flathead, Gallatin, Glacier, Granite, Lake, Lewis and Clark, Lincoln, Missoula, Park, Pondera, Powell, Stillwater, Sweet Grass, Teton   |      |        |  |            |             |     |      |
| <b>Mustela nigripes</b><br>Black-footed Ferret             | <b>Mustelidae</b><br>Weasels                       | G1   | S1   | LE; XN |  | ENDANGERED | SGCN1       | 12% | 1%   |
|  |  | <b>Species Occurrences verified in these Counties:</b> Big Horn, Blaine, Fergus, Garfield, Petroleum, Phillips, Valley   |      |        |  |            |             |     |      |
| <b>Myotis evotis</b><br>Long-eared Myotis                  | <b>Vespertilionidae</b><br>Bats                    | G5   | S3   |        |  |            |             | 12% | 100% |
|  |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Dawson, Deer Lodge, Fergus, Flathead, Gallatin, Garfield, Glacier, Golden Valley, Granite, Hill, Jefferson, Judith Basin, Lake, Lewis and Clark, Lincoln, Madison, Mccone, Meagher, Mineral, Missoula, Musselshell, Park, Petroleum, Phillips, Pondera, Powder River, Powell, Prairie, Ravalli, Richland, Roosevelt, Rosebud, Sanders, Silver Bow, Stillwater, Sweet Grass, Teton, Toole, Treasure, Valley, Wheatland, Wibaux, Yellowstone   |      |        |  |            |             |     |      |
| <b>Myotis lucifugus</b><br>Little Brown Myotis             | <b>Vespertilionidae</b><br>Bats                    | G3G4   | S3   |        |  |            | SGCN3       | 3%  | 100% |
|  |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Daniels, Dawson, Deer Lodge, Fallon, Fergus, Flathead, Gallatin, Garfield, Glacier, Golden Valley, Granite, Hill, Jefferson, Judith Basin, Lake, Lewis and Clark, Lincoln, Madison, Mccone, Meagher, Mineral, Missoula, Musselshell, Park, Petroleum, Phillips, Pondera, Powder River, Powell, Prairie, Ravalli, Richland, Roosevelt, Rosebud, Sanders, Sheridan, Silver Bow, Stillwater, Sweet Grass, Teton, Toole, Treasure, Valley, Wheatland, Wibaux, Yellowstone<br><b>State Rank Reason:</b> Species is common and widespread, but under significant threat of catastrophic declines due to White-Nose Syndrome, a fungal disease responsible for the collapse of populations of this species in the eastern US. |      |        |  |            |             |     |      |
| <b>Myotis septentrionalis</b><br>Northern Myotis           | <b>Vespertilionidae</b><br>Bats                    | G2G3   | S2   | LE     |  | ENDANGERED |             | 0%  | 8%   |
|  |  | <b>Species Occurrences verified in these Counties:</b> Dawson, Mccone, Richland, Roosevelt, Valley<br><b>State Rank Reason:</b> In Montana this species is known to occupy specific habitat within a limited range along the Missouri and Yellowstone river drainages near the North Dakota border. Populations of this species in the eastern US have undergone catastrophic declines due to White-Nose Syndrome, a fungal disease of bats. Although WNS is not known to be present in Montana, its eventual spread to the state presents a substantial threat to the persistence of this species.  |      |        |  |            |             |     |      |
| <b>Myotis thysanodes</b><br>Fringed Myotis                 | <b>Vespertilionidae</b><br>Bats                    | G4   | S3   |        |  | SENSITIVE  | SGCN3       | 0%  | 64%  |
|  |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Custer, Deer Lodge, Fergus, Flathead, Gallatin, Granite, Jefferson, Judith Basin, Lake, Lewis and Clark, Lincoln, Madison, Meagher, Mineral, Missoula, Powder River, Powell, Prairie, Ravalli, Rosebud, Sanders, Silver Bow, Teton, Treasure<br><b>State Rank Reason:</b> Although this species is distributed across much of Montana, recent surveys have found it to be uncommon within range. Species occasionally uses caves to over-winter so threats to persistence from White-Nose Syndrome are a concern, but due to its western distribution the extent of impacts are as yet unknown.  |      |        |  |            |             |     |      |
| <b>Myotis volans</b><br>Long-legged Myotis                 | <b>Vespertilionidae</b><br>Bats                    | G4G5   | S3   |        |  |            |             | 8%  | 100% |
|  |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Dawson, Deer Lodge, Fergus, Flathead, Gallatin, Granite, Jefferson, Judith Basin, Lake, Lewis and Clark, Lincoln, Madison, Meagher, Mineral, Missoula, Musselshell, Park, Petroleum, Phillips, Powder River, Powell, Ravalli, Richland, Rosebud, Sanders, Silver Bow, Sweet Grass, Teton, Treasure, Valley, Wheatland, Yellowstone   |      |        |  |            |             |     |      |
| <b>Myotis yumanensis</b><br>Yuma Myotis                    | <b>Vespertilionidae</b><br>Bats                    | G5   | S3   |        |  |            | SGIN        | 4%  | 0%   |
|  |  | <b>Species Occurrences verified in these Counties:</b> Flathead, Lake, Lincoln, Mineral, Missoula, Powell, Sanders<br><b>State Rank Reason:</b> In Montana populations of this species are believed to be stable. However, the threat of catastrophic decline from White-Nose Syndrome, a fungal disease of bats responsible for the deaths of millions of individuals of closely related species in other areas, presents a treat of substantial declines within the state. Recent observations from Washington have confirmed the susceptibility of this species to WNS infection.   |      |        |  |            |             |     |      |
| <b>Pekania pennanti</b><br>Fisher                          | <b>Mustelidae</b><br>Weasels                       | G5   | S3   |        | Sensitive - Known in Forests (BD, BRT, KOOT, LOLO) | SENSITIVE  | SGCN3       | 1%  | 31%  |
|  |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Deer Lodge, Flathead, Glacier, Granite, Lake, Lewis and Clark, Lincoln, Mineral, Missoula, Pondera, Powell, Ravalli, Sanders, Teton   |      |        |  |            |             |     |      |
| <b>Perognathus parvus</b><br>Columbia Plateau Pocket Mouse | <b>Heteromyidae</b><br>Pocket Mice / Kangaroo Rats | G5   | S3   |        | Sensitive - Suspected in Forests (BD)              |            | SGCN3, SGIN | 1%  | 4%   |
|  |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Madison, Silver Bow   |      |        |  |            |             |     |      |
| <b>Sorex arcticus</b><br>Arctic Shrew                      | <b>Soricidae</b><br>Shrews                         | G5   | S153 |        |  |            | SGCN1-3     | 1%  | 1%   |
|  |  | <b>Species Occurrences verified in these Counties:</b> Sheridan  |      |        |  |            |             |     |      |

|  |  |   |      |    |  |            |             |     |     |
|--|--|---|------|----|--|------------|-------------|-----|-----|
| <b>Sorex eximius</b><br>Western Pygmy Shrew        | <b>Soricidae</b><br>Shrews                         | G4  | S3   |    |  |            | SGCN3       | 1%  | 15% |
|  |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Flathead, Granite, Hill, Lake, Lewis and Clark, Lincoln, Missoula, Powell, Sanders, Sheridan, Teton, Valley<br><b>State Rank Reason:</b> Observations of this species are infrequent resulting in limited data to assess threats. Species may only breed once in its brief life, so is more vulnerable than many small mammal species.   |      |    |  |            |             |     |     |
| <b>Sorex merriami</b><br>Merriam's Shrew           | <b>Soricidae</b><br>Shrews                         | G4  | S3   |    |  |            | SGCN3       | 9%  | 57% |
|  |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Carbon, Carter, Cascade, Chouteau, Custer, Hill, Mccone, Park, Petroleum, Phillips, Powder River, Prairie, Rosebud, Sweet Grass, Teton, Valley, Wheatland  |      |    |  |            |             |     |     |
| <b>Sorex nanus</b><br>Dwarf Shrew                  | <b>Soricidae</b><br>Shrews                         | G4  | S2S3 |    |  |            | SGCN2-3     | 14% | 67% |
|  |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Carbon, Carter, Chouteau, Dawson, Deer Lodge, Fergus, Golden Valley, Hill, Judith Basin, Pondera, Toole<br><b>State Rank Reason:</b> Observations of this species are infrequent resulting in limited data to assess threats. Species may only breed once in its brief life, so is more vulnerable than many small mammal species.   |      |    |  |            |             |     |     |
| <b>Sorex preblei</b><br>Preble's Shrew             | <b>Soricidae</b><br>Shrews                         | G4  | S3   |    |  |            | SGCN3       | 28% | 79% |
|  |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Chouteau, Dawson, Deer Lodge, Fergus, Gallatin, Golden Valley, Granite, Judith Basin, Lewis and Clark, Lincoln, Madison, Missoula, Phillips, Powell, Ravalli, Sheridan, Silver Bow, Sweet Grass, Teton, Valley, Wheatland<br><b>State Rank Reason:</b> Observations of this species are infrequent resulting in limited data to assess threats. Species may only breed once in its brief life, so is more vulnerable than many small mammal species. |      |    |  |            |             |     |     |
| <b>Synaptomys borealis</b><br>Northern Bog Lemming | <b>Cricetidae</b><br>New World Mice / Rats / Voles | G5  | S2   |    | Sensitive - Known in Forests (BD, BRT, KOOT, LOLO) |            | SGCN2, SGIN | 1%  | 14% |
|  |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Flathead, Granite, Lewis and Clark, Lincoln, Missoula, Ravalli<br><b>State Rank Reason:</b> Although populations of this species exist across much of western Montana, most appear isolated due to the species-specific habitat requirements and total area occupied is relatively small. Species faces significant threats to persistence from degradation of wetland habitats and isolation of populations that increase risk of local extirpation.          |      |    |  |            |             |     |     |
| <b>Ursus arctos</b><br>Grizzly Bear                | <b>Ursidae</b><br>Bears                            | G4  | S2S3 | LT |  | THREATENED | SGCN2-3     | 1%  | 22% |
|  |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Broadwater, Carbon, Cascade, Chouteau, Deer Lodge, Fergus, Flathead, Gallatin, Glacier, Granite, Hill, Jefferson, Judith Basin, Lake, Lewis and Clark, Liberty, Lincoln, Madison, Meagher, Mineral, Missoula, Park, Pondera, Powell, Ravalli, Sanders, Silver Bow, Stillwater, Sweet Grass, Teton, Toole, Wheatland, Yellowstone   |      |    |  |            |             |     |     |
| <b>Vulpes velox</b><br>Swift Fox                   | <b>Canidae</b><br>Wolves / Coyotes / Foxes         | G3  | S3   |    |  | SENSITIVE  | SGCN3       | 1%  | 69% |
|  |  | <b>Species Occurrences verified in these Counties:</b> Blaine, Carter, Custer, Fallon, Garfield, Glacier, Hill, Mccone, Phillips, Pondera, Powder River, Prairie, Valley, Wheatland   |      |    |  |            |             |     |     |

| BIRDS (AVES)                                    |   |   |            |                    |      |           |          |                                  |                                | 65 SPECIES |
|---|---|---|------------|--------------------|------|-----------|----------|----------------------------------|--------------------------------|------------|
| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT     | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)        | GLOBAL RANK   | STATE RANK | USFWS              | USFS | BLM       | FWP SWAP | % OF GLOBAL BREEDING RANGE IN MT | % OF MT THAT IS BREEDING RANGE |            |
| <b>Accipiter gentilis</b><br>Northern Goshawk   | <b>Accipitridae</b><br>Hawks / Kites / Eagles | G5  | S3         | MBTA               |      |           | SGCN3    | 2%                               | 68%                            |            |
|   |   | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Broadwater, Carbon, Carter, Cascade, Deer Lodge, Fergus, Flathead, Gallatin, Glacier, Granite, Hill, Jefferson, Judith Basin, Lake, Lewis and Clark, Liberty, Lincoln, Madison, Meagher, Mineral, Missoula, Park, Petroleum, Pondera, Powder River, Powell, Ravalli, Rosebud, Sanders, Silver Bow, Stillwater, Sweet Grass, Teton, Wheatland   |            |                    |      |           |          |                                  |                                |            |
| <b>Aechmophorus clarkii</b><br>Clark's Grebe    | <b>Podicipedidae</b><br>Grebes                | G5  | S3B        | MBTA; BCC10; BCC11 |      |           | SGCN3    | 1%                               | 2%                             |            |
|   |   | <b>Species Occurrences verified in these Counties:</b> Lake, Phillips, Teton  |            |                    |      |           |          |                                  |                                |            |
| <b>Ammospiza leconteii</b><br>LeConte's Sparrow | <b>Passerellidae</b><br>New World Sparrows    | G5  | S3B        | MBTA; BCC11        |      |           | SGCN3    | 1%                               | 13%                            |            |
|   |   | <b>Species Occurrences verified in these Counties:</b> Flathead, Lake, Roosevelt, Sheridan  |            |                    |      |           |          |                                  |                                |            |
| <b>Ammospiza nelsoni</b><br>Nelson's Sparrow    | <b>Passerellidae</b><br>New World Sparrows    | G5  | S3B        | MBTA               |      |           | SGCN3    | 0%                               | 3%                             |            |
|   |   | <b>Species Occurrences verified in these Counties:</b> Daniels, Phillips, Roosevelt, Sheridan, Toole, Valley  |            |                    |      |           |          |                                  |                                |            |
| <b>Anthus spragueii</b><br>Sprague's Pipit      | <b>Motacillidae</b><br>Pipits                 | G3G4  | S3B        | MBTA; BCC11; BCC17 |      | SENSITIVE | SGCN3    | 18%                              | 67%                            |            |
|   |   | <b>Species Occurrences verified in these Counties:</b> Blaine, Carbon, Carter, Cascade, Chouteau, Custer, Daniels, Dawson, Fallon, Fergus, Gallatin, Garfield, Glacier, Golden Valley, Hill, Judith Basin, Lewis and Clark, Liberty, Madison, Mccone, Meagher, Musselshell, Park, Petroleum, Phillips, Pondera, Prairie, Richland, Roosevelt, Rosebud, Sheridan, Stillwater, Sweet Grass, Teton, Toole, Valley, Wheatland, Wibaux, Yellowstone<br><b>State Rank Reason:</b> Although population trends in Montana appear to be relatively stable in recent years, populations have been in decline over the long run and the species faces threats from covertype conversion, overgrazing, exotic plant invasions, altered fire regimes, and mowing prior to fledging of young. |            |                    |      |           |          |                                  |                                |            |
| <b>Aquila chrysaetos</b><br>Golden Eagle        | <b>Accipitridae</b><br>Hawks / Kites / Eagles | G5  | S3         | BGEPA; MBTA        |      | SENSITIVE | SGCN3    | 3%                               | 100%                           |            |
|   |   |   |            |                    |      |           |          |                                  |                                |            |



|   |  |  |     |                    |  |  |            |       |      |      |
|---|--|--|-----|--------------------|--|--|------------|-------|------|------|
|   |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Dawson, Deer Lodge, Fallon, Fergus, Flathead, Gallatin, Garfield, Glacier, Golden Valley, Granite, Hill, Jefferson, Judith Basin, Lake, Lewis and Clark, Liberty, Lincoln, Madison, McCone, Meagher, Missoula, Musselshell, Park, Petroleum, Phillips, Pondera, Powder River, Powell, Prairie, Ravalli, Richland, Roosevelt, Rosebud, Sanders, Sheridan, Silver Bow, Stillwater, Sweet Grass, Teton, Toole, Treasure, Valley, Wheatland, Wibaux, Yellowstone   |     |                    |  |  |            |       |      |      |
| <b>Ardea herodias</b><br>Great Blue Heron               | <b>Ardeidae</b><br>Bitterns / Egrets / Herons / Night-Herons | G5   | S3  | MBTA               |  |  | SGCN3      | 3%    | 100% |      |
|   |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Dawson, Deer Lodge, Fallon, Fergus, Flathead, Gallatin, Garfield, Glacier, Golden Valley, Granite, Hill, Jefferson, Judith Basin, Lake, Lewis and Clark, Liberty, Lincoln, Madison, McCone, Meagher, Mineral, Missoula, Musselshell, Park, Petroleum, Phillips, Pondera, Powder River, Powell, Prairie, Ravalli, Richland, Roosevelt, Rosebud, Sanders, Sheridan, Silver Bow, Stillwater, Sweet Grass, Teton, Treasure, Valley, Wheatland, Wibaux, Yellowstone<br><b>State Rank Reason:</b> Small breeding population size, evidence of recent declines, and declining regeneration of riparian cottonwood forests due to altered hydrology and grazing. |     |                    |  |  |            |       |      |      |
| <b>Artemisiospiza nevadensis</b><br>Sagebrush Sparrow   | <b>Passerellidae</b><br>New World Sparrows                   | G5   | S3B | MBTA               |  |  | SENSITIVE  | SGCN3 | 0%   | 13%  |
|   |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Carbon, Gallatin, Meagher, Park   |     |                    |  |  |            |       |      |      |
| <b>Athene cunicularia</b><br>Burrowing Owl              | <b>Strigidae</b><br>Owls                                     | G4   | S3B | MBTA; BCC17        |  |  | SENSITIVE  | SGCN3 | 2%   | 82%  |
|   |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Daniels, Dawson, Fallon, Fergus, Gallatin, Garfield, Glacier, Golden Valley, Hill, Jefferson, Judith Basin, Lewis and Clark, Liberty, Madison, McCone, Musselshell, Petroleum, Phillips, Pondera, Powder River, Prairie, Ravalli, Richland, Roosevelt, Rosebud, Sheridan, Stillwater, Sweet Grass, Teton, Toole, Treasure, Valley, Wheatland, Wibaux, Yellowstone<br><b>State Rank Reason:</b> Species has a negative short-term population trend.   |     |                    |  |  |            |       |      |      |
| <b>Botaurus lentiginosus</b><br>American Bittern        | <b>Ardeidae</b><br>Bitterns / Egrets / Herons / Night-Herons | G5   | S3B | MBTA               |  |  | SENSITIVE  | SGCN3 | 4%   | 100% |
|   |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Blaine, Carter, Cascade, Chouteau, Deer Lodge, Fallon, Fergus, Flathead, Gallatin, Glacier, Golden Valley, Lake, Madison, Missoula, Park, Phillips, Powell, Ravalli, Roosevelt, Sanders, Sheridan, Teton, Valley, Yellowstone<br><b>State Rank Reason:</b> The American Bittern is dependent on large wetland complexes, which have declined across the species range. Declines in Montana and the species specialized habitat requirements warrant general concern about the persistence of the species.   |     |                    |  |  |            |       |      |      |
| <b>Buteo regalis</b><br>Ferruginous Hawk                | <b>Accipitridae</b><br>Hawks / Kites / Eagles                | G4   | S3B | MBTA; BCC17        |  |  | SENSITIVE  | SGCN3 | 11%  | 95%  |
|   |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Blaine, Broadwater, Carter, Cascade, Chouteau, Custer, Daniels, Dawson, Deer Lodge, Fallon, Fergus, Gallatin, Garfield, Glacier, Golden Valley, Hill, Jefferson, Judith Basin, Lewis and Clark, Liberty, Madison, McCone, Meagher, Musselshell, Park, Petroleum, Phillips, Pondera, Powder River, Powell, Prairie, Richland, Roosevelt, Rosebud, Sheridan, Stillwater, Teton, Toole, Valley, Wheatland, Wibaux, Yellowstone   |     |                    |  |  |            |       |      |      |
| <b>Calcarius ornatus</b><br>Chestnut-collared Longspur  | <b>Calcariidae</b><br>Longspurs and Snow Buntings            | G5   | S2B | MBTA; BCC11; BCC17 |  |  | SENSITIVE  | SGCN2 | 32%  | 67%  |
|   |  | <b>Species Occurrences verified in these Counties:</b> Big Horn, Blaine, Carbon, Carter, Cascade, Chouteau, Custer, Daniels, Dawson, Fallon, Fergus, Garfield, Glacier, Golden Valley, Hill, Judith Basin, Lewis and Clark, Liberty, McCone, Musselshell, Petroleum, Phillips, Pondera, Powder River, Prairie, Richland, Roosevelt, Rosebud, Sheridan, Stillwater, Sweet Grass, Teton, Toole, Valley, Wheatland, Wibaux, Yellowstone<br><b>State Rank Reason:</b> Species has a negative short-term population trend and faces threats from loss of native prairie grassland habitats and altered frequency, intensity, and spatial distribution of grazing and fire regimes it is dependent on.   |     |                    |  |  |            |       |      |      |
| <b>Catharus fuscescens</b><br>Veery                     | <b>Turdidae</b><br>Thrushes                                  | G5   | S3B | MBTA               |  |  | SENSITIVE  | SGCN3 | 6%   | 100% |
|   |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Daniels, Deer Lodge, Fergus, Flathead, Gallatin, Garfield, Glacier, Golden Valley, Granite, Hill, Jefferson, Judith Basin, Lake, Lewis and Clark, Liberty, Lincoln, Madison, McCone, Meagher, Mineral, Missoula, Musselshell, Park, Petroleum, Phillips, Pondera, Powder River, Powell, Ravalli, Richland, Roosevelt, Rosebud, Sanders, Sheridan, Silver Bow, Stillwater, Sweet Grass, Teton, Toole, Valley, Wheatland, Yellowstone  |     |                    |  |  |            |       |      |      |
| <b>Centrocercus urophasianus</b><br>Greater Sage-Grouse | <b>Phasianidae</b><br>Upland Game Birds                      | G3G4   | S2  |                    | Sensitive - Known in Forests (BD)<br>Species of Conservation Concern in Forests (CG) |  | SENSITIVE  | SGCN2 | 17%  | 75%  |
|   |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Chouteau, Custer, Dawson, Deer Lodge, Fallon, Fergus, Gallatin, Garfield, Golden Valley, Hill, Madison, McCone, Meagher, Musselshell, Park, Petroleum, Phillips, Powder River, Prairie, Rosebud, Silver Bow, Stillwater, Sweet Grass, Treasure, Valley, Wheatland, Wibaux, Yellowstone  |     |                    |  |  |            |       |      |      |
| <b>Centronyx bairdii</b><br>Baird's Sparrow             | <b>Passerellidae</b><br>New World Sparrows                   | G4   | S3B | MBTA; BCC11; BCC17 |  |  | SENSITIVE  | SGCN3 | 27%  | 67%  |
|   |  | <b>Species Occurrences verified in these Counties:</b> Big Horn, Blaine, Carbon, Carter, Cascade, Chouteau, Custer, Daniels, Dawson, Fallon, Fergus, Garfield, Glacier, Golden Valley, Hill, Judith Basin, Lewis and Clark, Liberty, McCone, Meagher, Musselshell, Petroleum, Phillips, Pondera, Powder River, Prairie, Richland, Roosevelt, Rosebud, Sheridan, Stillwater, Sweet Grass, Teton, Toole, Treasure, Valley, Wheatland, Wibaux, Yellowstone<br><b>State Rank Reason:</b> Montana populations were declining until recently and the species is declining in most of the surrounding states and provinces.   |     |                    |  |  |            |       |      |      |
| <b>Certhia americana</b><br>Brown Creeper               | <b>Certhiidae</b><br>Creeper                                 | G5   | S3  | MBTA               |  |  |            | SGCN3 | 4%   | 53%  |
|   |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Broadwater, Carbon, Carter, Cascade, Chouteau, Deer Lodge, Fergus, Flathead, Gallatin, Glacier, Golden Valley, Granite, Jefferson, Judith Basin, Lake, Lewis and Clark, Lincoln, Madison, Meagher, Mineral, Missoula, Park, Powder River, Powell, Ravalli, Rosebud, Sanders, Silver Bow, Stillwater, Sweet Grass, Teton, Wheatland  |     |                    |  |  |            |       |      |      |
| <b>Charadrius melodus</b><br>Piping Plover              | <b>Charadriidae</b><br>Plovers                               | G3   | S2B | LT; CH; MBTA       |  |  | THREATENED | SGCN2 | 4%   | 11%  |

|   |  |   |     |                              |   |            |             |     |      |
|---|--|---|-----|------------------------------|---|------------|-------------|-----|------|
|   |  | <b>Species Occurrences verified in these Counties:</b> Dawson, Garfield, Mccone, Phillips, Pondera, Richland, Roosevelt, Sheridan, Valley   |     |                              |   |            |             |     |      |
| <b>Charadrius montanus</b><br>Mountain Plover           | <b>Charadriidae</b><br>Plovers           | G3  | S2B | MBTA; BCC10;<br>BCC11; BCC17 |   | SENSITIVE  | SGCN2       | 20% | 73%  |
|   |  | <b>Species Occurrences verified in these Counties:</b> Blaine, Broadwater, Carbon, Chouteau, Fergus, Garfield, Golden Valley, Jefferson, Madison, Musselshell, Petroleum, Phillips, Rosebud, Teton, Toole, Treasure, Valley, Wheatland, Yellowstone   |     |                              |   |            |             |     |      |
| <b>Chlidonias niger</b><br>Black Tern                   | <b>Laridae</b><br>Gulls / Terns          | G4G5  | S3B | MBTA; BCC10;<br>BCC11; BCC17 |   | SENSITIVE  | SGCN3       | 7%  | 100% |
|   |  | <b>Species Occurrences verified in these Counties:</b> Blaine, Carter, Cascade, Chouteau, Daniels, Flathead, Glacier, Golden Valley, Lake, Madison, Missoula, Phillips, Pondera, Powell, Roosevelt, Sanders, Sheridan, Teton, Yellowstone<br><b>State Rank Reason:</b> Species has a small breeding population size and negative short-term population trends.  |     |                              |   |            |             |     |      |
| <b>Cistothorus stellaris</b><br>Sedge Wren              | <b>Troglodytidae</b><br>Wrens            | G5  | S3B | MBTA                         |   |            | SGCN3       | 1%  | 4%   |
|   |  | <b>Species Occurrences verified in these Counties:</b> Phillips, Roosevelt, Sheridan  |     |                              |   |            |             |     |      |
| <b>Coccythraustes vespertinus</b><br>Evening Grosbeak   | <b>Fringillidae</b><br>Finches           | G5  | S3  | MBTA; BCC10                  |   |            | SGCN3       | 3%  | 100% |
|   |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Broadwater, Carbon, Carter, Cascade, Chouteau, Deer Lodge, Fergus, Flathead, Gallatin, Glacier, Golden Valley, Granite, Jefferson, Judith Basin, Lake, Lewis and Clark, Lincoln, Madison, Meagher, Mineral, Missoula, Musselshell, Park, Pondera, Powder River, Powell, Ravalli, Sanders, Silver Bow, Stillwater, Sweet Grass, Teton, Wheatland, Yellowstone<br><b>State Rank Reason:</b> Populations in Montana and across North America have experienced rangewide declines, although the causes of these declines are unclear (Bonter and Harvey 2008).   |     |                              |   |            |             |     |      |
| <b>Coccyzus americanus</b><br>Yellow-billed Cuckoo      | <b>Cuculidae</b><br>Cuckoos              | G5  | S3B | PS: LT; MBTA                 |   | THREATENED | SGCN3, SGIN | 1%  | 50%  |
|   |  | <b>Species Occurrences verified in these Counties:</b> Big Horn, Carbon, Carter, Custer, Fergus, Gallatin, Lake, Madison, Phillips, Powder River, Richland, Rosebud, Stillwater, Wibaux, Yellowstone  |     |                              |   |            |             |     |      |
| <b>Coccyzus erythrophthalmus</b><br>Black-billed Cuckoo | <b>Cuculidae</b><br>Cuckoos              | G5  | S3B | MBTA; BCC11;<br>BCC17        |   | SENSITIVE  | SGCN3, SGIN | 4%  | 95%  |
|   |  | <b>Species Occurrences verified in these Counties:</b> Big Horn, Blaine, Broadwater, Carter, Cascade, Chouteau, Custer, Dawson, Fallon, Fergus, Gallatin, Garfield, Mccone, Musselshell, Park, Petroleum, Phillips, Pondera, Powder River, Prairie, Richland, Roosevelt, Rosebud, Sheridan, Stillwater, Toole, Treasure, Valley, Wibaux, Yellowstone  |     |                              |   |            |             |     |      |
| <b>Coturnicops noveboracensis</b><br>Yellow Rail        | <b>Rallidae</b><br>Rails                 | G4  | S3B | MBTA; BCC10;<br>BCC11        |   | SENSITIVE  | SGCN3       | 1%  | 5%   |
|   |  | <b>Species Occurrences verified in these Counties:</b> Roosevelt, Sheridan  |     |                              |   |            |             |     |      |
| <b>Cygnus buccinator</b><br>Trumpeter Swan              | <b>Anatidae</b><br>Swans / Geese / Ducks | G4  | S3  | MBTA                         | Sensitive - Known in<br>Forests (BD)                    | SENSITIVE  | SGCN3       | 2%  | 9%   |
|   |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Flathead, Lake, Lewis and Clark, Madison, Missoula, Park, Powell, Ravalli  |     |                              |   |            |             |     |      |
| <b>Cypseloides niger</b><br>Black Swift                 | <b>Apodidae</b><br>Swifts                | G4  | S1B | MBTA; BCC10                  | Species of<br>Conservation Concern<br>in Forests (FLAT) |            | SGCN1, SGIN | 5%  | 19%  |
|   |  | <b>Species Occurrences verified in these Counties:</b> Carbon, Flathead, Glacier, Lake, Lincoln, Missoula, Ravalli, Sanders<br><b>State Rank Reason:</b> Species is limited in distribution and requires very specific features for nesting that are rare on the landscape making it vulnerable to extirpation in all or part of its range.   |     |                              |   |            |             |     |      |
| <b>Dolichonyx oryzivorus</b><br>Bobolink                | <b>Icteridae</b><br>Blackbirds           | G5  | S3B | MBTA; BCC10;<br>BCC11; BCC17 |   |            | SGCN3       | 9%  | 100% |
|   |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Daniels, Dawson, Deer Lodge, Fallon, Fergus, Flathead, Gallatin, Garfield, Glacier, Golden Valley, Granite, Hill, Jefferson, Judith Basin, Lake, Lewis and Clark, Liberty, Lincoln, Madison, Mccone, Meagher, Mineral, Missoula, Musselshell, Park, Petroleum, Phillips, Pondera, Powder River, Powell, Prairie, Ravalli, Richland, Roosevelt, Rosebud, Sanders, Sheridan, Stillwater, Sweet Grass, Teton, Toole, Treasure, Valley, Wheatland, Wibaux, Yellowstone<br><b>State Rank Reason:</b> Species has undergone recent large population declines in Montana and a patchwork of declines and increases have been documented in surrounding states and provinces. |     |                              |   |            |             |     |      |
| <b>Dryocopus pileatus</b><br>Pileated Woodpecker        | <b>Picidae</b><br>Woodpeckers            | G5  | S3  | MBTA                         |   |            | SGCN3       | 1%  | 27%  |
|   |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Broadwater, Cascade, Deer Lodge, Flathead, Gallatin, Glacier, Granite, Jefferson, Judith Basin, Lake, Lewis and Clark, Lincoln, Madison, Meagher, Mineral, Missoula, Park, Powell, Ravalli, Sanders, Silver Bow, Wheatland   |     |                              |   |            |             |     |      |
| <b>Empidonax alnorum</b><br>Alder Flycatcher            | <b>Tyrannidae</b><br>Flycatchers         | G5  | S3B | MBTA                         |   |            | SGCN3       | 0%  | 1%   |
|   |  | <b>Species Occurrences verified in these Counties:</b> Flathead, Glacier, Teton   |     |                              |   |            |             |     |      |
| <b>Gavia immer</b><br>Common Loon                       | <b>Gaviidae</b><br>Loons                 | G5  | S3B | MBTA                         | Sensitive - Known in<br>Forests (KOOT, LOLO)            |            | SGCN3       | 1%  | 14%  |
|   |  | <b>Species Occurrences verified in these Counties:</b> Flathead, Glacier, Lake, Lewis and Clark, Lincoln, Missoula, Powell, Sanders   |     |                              |   |            |             |     |      |
| <b>Grus americana</b><br>Whooping Crane                 | <b>Gruidae</b><br>Cranes                 | G1  | S1M | LE; MBTA                     |   | ENDANGERED | SGCN1       | 0%  | 0%   |
|   |  |   |     |                              |   |            |             |     |      |

|  |   |  |     |                           |  |           |             |     |      |
|--|---|--|-----|---------------------------|--|-----------|-------------|-----|------|
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Richland, Roosevelt, Sheridan, Wibaux<br/> <b>State Rank Reason:</b> The federally endangered Whooping Crane occasionally migrate across the eastern portion of Montana, although their main migratory corridor is found to the east in the Dakotas. While the species was close to extinction during the early and mid-1900s, intensive management has helped to begin the recovery process. The species is still very rare across its range and at risk of extinction.</p>                                   |     |                           |  |           |             |     |      |
| <b>Gymnorhinus cyanocephalus</b><br>Pinyon Jay             | <b>Corvidae</b><br>Jays / Crows / Magpies | G3   | S3  | MBTA; BCC10; BCC17        |  |           | SGCN3       | 5%  | 55%  |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Fergus, Gallatin, Garfield, Golden Valley, Jefferson, Lewis and Clark, Musselshell, Park, Petroleum, Phillips, Powder River, Rosebud, Stillwater, Sweet Grass, Wheatland, Yellowstone</p>   |     |                           |  |           |             |     |      |
| <b>Haemorhous cassinii</b><br>Cassin's Finch               | <b>Fringillidae</b><br>Finches            | G5   | S3  | MBTA; BCC10               |  |           | SGCN3       | 11% | 62%  |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Broadwater, Carbon, Cascade, Chouteau, Custer, Deer Lodge, Fergus, Flathead, Gallatin, Glacier, Golden Valley, Granite, Jefferson, Judith Basin, Lake, Lewis and Clark, Lincoln, Madison, Meagher, Mineral, Missoula, Musselshell, Park, Petroleum, Phillips, Powder River, Powell, Ravalli, Rosebud, Sanders, Silver Bow, Stillwater, Sweet Grass, Teton, Wheatland, Yellowstone<br/> <b>State Rank Reason:</b> Data show recent short-term declines in population for this species</p> |     |                           |  |           |             |     |      |
| <b>Himantopus mexicanus</b><br>Black-necked Stilt          | <b>Recurvirostridae</b><br>Avocets        | G5   | S3B | MBTA                      |  |           | SGCN3       | 1%  | 8%   |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Cascade, Chouteau, Deer Lodge, Flathead, Glacier, Golden Valley, Hill, Lake, Lewis and Clark, Missoula, Phillips, Ravalli, Sheridan, Stillwater, Teton, Toole, Yellowstone</p>   |     |                           |  |           |             |     |      |
| <b>Histrionicus histrionicus</b><br>Harlequin Duck         | <b>Anatidae</b><br>Swans / Geese / Ducks  | G4   | S2B | MBTA                      | Sensitive - Known in Forests (BD, KOOT, LOLO)    |           | SGCN2       | 4%  | 40%  |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Carbon, Flathead, Gallatin, Glacier, Granite, Lewis and Clark, Lincoln, Madison, Mineral, Missoula, Park, Pondera, Powell, Ravalli, Sanders, Sweet Grass, Teton<br/> <b>State Rank Reason:</b> The Harlequin Duck has an extremely limited breeding range in Montana.</p>  |     |                           |  |           |             |     |      |
| <b>Hydroprogne caspia</b><br>Caspian Tern                  | <b>Laridae</b><br>Gulls / Terns           | G5   | S2B | MBTA                      |  | SENSITIVE | SGCN2       | 0%  | 4%   |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Broadwater, Garfield, Lake, Liberty, Mccone, Phillips, Pondera, Powell, Sheridan, Teton, Toole, Valley</p>   |     |                           |  |           |             |     |      |
| <b>Ixoreus naevius</b><br>Varied Thrush                    | <b>Turdidae</b><br>Thrushes               | G5   | S3B | MBTA                      |  |           | SGCN3       | 1%  | 37%  |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Beaverhead, Broadwater, Cascade, Flathead, Gallatin, Glacier, Golden Valley, Granite, Judith Basin, Lake, Lewis and Clark, Lincoln, Madison, Meagher, Mineral, Missoula, Park, Pondera, Powell, Ravalli, Sanders, Teton<br/> <b>State Rank Reason:</b> The Varied Thrush has undergone recent population declines in Montana and across the Northern Rockies and where timber harvest, insect outbreak, and fire result in a loss of suitable breeding habitat.</p>  |     |                           |  |           |             |     |      |
| <b>Lagopus leucura</b><br>White-tailed Ptarmigan           | <b>Phasianidae</b><br>Upland Game Birds   | G5   | S3  |                           |  |           | SGCN3, SGIN | 2%  | 6%   |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Flathead, Glacier, Lewis and Clark, Missoula, Pondera, Powell, Teton</p>   |     |                           |  |           |             |     |      |
| <b>Lanius ludovicianus</b><br>Loggerhead Shrike            | <b>Laniidae</b><br>Shrikes                | G4   | S3B | MBTA                      |  | SENSITIVE | SGCN3       | 4%  | 100% |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Daniels, Dawson, Fallon, Fergus, Gallatin, Garfield, Glacier, Golden Valley, Hill, Jefferson, Judith Basin, Lewis and Clark, Liberty, Madison, Mccone, Meagher, Musselshell, Park, Petroleum, Phillips, Pondera, Powder River, Prairie, Richland, Roosevelt, Rosebud, Sheridan, Stillwater, Sweet Grass, Teton, Toole, Treasure, Valley, Wheatland, Wibaux, Yellowstone</p>   |     |                           |  |           |             |     |      |
| <b>Leucophaeus pipixcan</b><br>Franklin's Gull             | <b>Laridae</b><br>Gulls / Terns           | G5   | S3B | MBTA; BCC10; BCC11; BCC17 |  | SENSITIVE | SGCN3       | 7%  | 48%  |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Beaverhead, Blaine, Cascade, Chouteau, Phillips, Roosevelt, Sheridan, Teton</p>  |     |                           |  |           |             |     |      |
| <b>Leucosticte atrata</b><br>Black Rosy-Finch              | <b>Fringillidae</b><br>Finches            | G4   | S2  | MBTA; BCC10               |  |           | SGCN2, SGIN | 38% | 20%  |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Beaverhead, Broadwater, Carbon, Cascade, Deer Lodge, Gallatin, Granite, Jefferson, Judith Basin, Madison, Meagher, Missoula, Park, Powell, Ravalli, Silver Bow, Stillwater, Sweet Grass</p>  |     |                           |  |           |             |     |      |
| <b>Leucosticte tephrocotis</b><br>Gray-crowned Rosy-Finch  | <b>Fringillidae</b><br>Finches            | G5   | S2  | MBTA                      |  |           | SGCN2, SGIN | 1%  | 29%  |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Cascade, Deer Lodge, Flathead, Gallatin, Glacier, Granite, Jefferson, Judith Basin, Lake, Lewis and Clark, Lincoln, Missoula, Sanders, Teton</p>   |     |                           |  |           |             |     |      |
| <b>Melanerpes erythrocephalus</b><br>Red-headed Woodpecker | <b>Picidae</b><br>Woodpeckers             | G5   | S3B | MBTA; BCC11; BCC17        |  | SENSITIVE | SGCN3       | 4%  | 60%  |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Blaine, Carter, Chouteau, Custer, Dawson, Fallon, Fergus, Garfield, Golden Valley, Mccone, Musselshell, Petroleum, Phillips, Powder River, Prairie, Richland, Roosevelt, Rosebud, Sheridan, Stillwater, Sweet Grass, Treasure, Valley, Wheatland, Wibaux, Yellowstone</p>  |     |                           |  |           |             |     |      |
| <b>Melanerpes lewis</b><br>Lewis's Woodpecker              | <b>Picidae</b><br>Woodpeckers             | G4   | S2B | MBTA; BCC10; BCC17        | Species of Conservation Concern in Forests (HLC) | SENSITIVE | SGCN2       | 8%  | 78%  |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Broadwater, Carter, Cascade, Deer Lodge, Flathead, Gallatin, Glacier, Granite, Jefferson, Lake, Lewis and Clark, Lincoln, Madison, Mineral, Missoula, Musselshell, Park, Powder River, Powell, Ravalli, Rosebud, Sanders, Silver Bow, Stillwater, Sweet Grass, Yellowstone</p>   |     |                           |  |           |             |     |      |

|  |  |  |     |                           |  |           |       |     |      |
|--|--|--|-----|---------------------------|--|-----------|-------|-----|------|
| <b>Nucifraga columbiana</b><br>Clark's Nutcracker          | <b>Corvidae</b><br>Jays / Crows / Magpies                    | G5   | S3  | MBTA                      | Species of Conservation Concern in Forests (FLAT)  |           | SGCN3 | 9%  | 84%  |
|  |  | Species Occurrences verified in these Counties: Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Deer Lodge, Fergus, Flathead, Gallatin, Garfield, Glacier, Golden Valley, Granite, Hill, Jefferson, Judith Basin, Lake, Lewis and Clark, Liberty, Lincoln, Madison, Meagher, Mineral, Missoula, Musselshell, Park, Petroleum, Phillips, Pondera, Powder River, Powell, Ravalli, Sanders, Silver Bow, Stillwater, Sweet Grass, Teton, Toole, Wheatland, Yellowstone  |     |                           |  |           |       |     |      |
| <b>Numenius americanus</b><br>Long-billed Curlew           | <b>Scolopacidae</b><br>Sandpipers                            | G5   | S3B | MBTA; BCC11               |  | SENSITIVE | SGCN3 | 19% | 100% |
|  |  | Species Occurrences verified in these Counties: Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Daniels, Dawson, Deer Lodge, Fallon, Fergus, Flathead, Gallatin, Garfield, Glacier, Golden Valley, Granite, Hill, Jefferson, Judith Basin, Lake, Lewis and Clark, Liberty, Lincoln, Madison, Mccone, Meagher, Missoula, Musselshell, Park, Petroleum, Phillips, Pondera, Powder River, Powell, Prairie, Ravalli, Richland, Roosevelt, Rosebud, Sanders, Sheridan, Silver Bow, Stillwater, Sweet Grass, Teton, Toole, Treasure Valley, Wheatland, Wibaux, Yellowstone  |     |                           |  |           |       |     |      |
| <b>Nycticorax nycticorax</b><br>Black-crowned Night-Heron  | <b>Ardeidae</b><br>Bitterns / Egrets / Herons / Night-Herons | G5   | S3B | MBTA                      |  |           | SGCN3 | 1%  | 45%  |
|  |  | Species Occurrences verified in these Counties: Beaverhead, Cascade, Chouteau, Deer Lodge, Phillips, Ravalli, Roosevelt, Sheridan, Teton   |     |                           |  |           |       |     |      |
| <b>Oreoscoptes montanus</b><br>Sage Thrasher               | <b>Mimidae</b><br>Thrashers / Mockingbirds / Catbirds        | G4   | S3B | MBTA                      |  | SENSITIVE | SGCN3 | 9%  | 84%  |
|  |  | Species Occurrences verified in these Counties: Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Chouteau, Custer, Deer Lodge, Fallon, Fergus, Gallatin, Garfield, Glacier, Golden Valley, Jefferson, Lake, Lewis and Clark, Madison, Mccone, Missoula, Musselshell, Park, Petroleum, Phillips, Powder River, Powell, Prairie, Ravalli, Richland, Rosebud, Sanders, Silver Bow, Stillwater, Sweet Grass, Toole, Treasure Valley, Wheatland, Yellowstone   |     |                           |  |           |       |     |      |
| <b>Pelecanus erythrorhynchos</b><br>American White Pelican | <b>Pelecanidae</b><br>Pelicans                               | G4   | S3B | MBTA                      |  |           | SGCN3 | 6%  | 1%   |
|  |  | Species Occurrences verified in these Counties: Broadwater, Lake, Phillips, Pondera, Roosevelt, Sheridan, Stillwater, Teton<br>State Rank Reason: American White Pelicans breed at five sites in Montana. Due to limited distribution of breeding sites, the species is potentially at risk of declines.   |     |                           |  |           |       |     |      |
| <b>Picoides arcticus</b><br>Black-backed Woodpecker        | <b>Picidae</b><br>Woodpeckers                                | G5   | S3  | MBTA                      | Sensitive - Known in Forests (BD, BRT, KOOT, LOLO)   | SENSITIVE | SGCN3 | 2%  | 49%  |
|  |  | Species Occurrences verified in these Counties: Beaverhead, Broadwater, Flathead, Gallatin, Glacier, Granite, Jefferson, Lake, Lewis and Clark, Lincoln, Madison, Mineral, Missoula, Powder River, Powell, Ravalli, Rosebud, Sanders   |     |                           |  |           |       |     |      |
| <b>Pipilo chlorurus</b><br>Green-tailed Towhee             | <b>Passerellidae</b><br>New World Sparrows                   | G5   | S3B | MBTA                      |  |           | SGCN3 | 3%  | 60%  |
|  |  | Species Occurrences verified in these Counties: Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Chouteau, Custer, Deer Lodge, Fergus, Gallatin, Garfield, Granite, Jefferson, Judith Basin, Lewis and Clark, Madison, Meagher, Musselshell, Park, Petroleum, Phillips, Powder River, Powell, Ravalli, Rosebud, Silver Bow, Stillwater, Sweet Grass, Valley, Wheatland, Yellowstone<br>State Rank Reason: Populations in Montana and across the Northern Rockies have undergone recent declines.  |     |                           |  |           |       |     |      |
| <b>Plegadis chihi</b><br>White-faced Ibis                  | <b>Threskiornithidae</b><br>Ibises                           | G5   | S3B | MBTA                      |  | SENSITIVE | SGCN3 | 4%  | 45%  |
|  |  | Species Occurrences verified in these Counties: Beaverhead, Cascade, Chouteau, Phillips, Roosevelt, Sheridan, Teton<br>State Rank Reason: Due to limited distribution of breeding sites, the species is potentially at risk of declines.   |     |                           |  |           |       |     |      |
| <b>Podiceps auritus</b><br>Horned Grebe                    | <b>Podicipedidae</b><br>Grebes                               | G5   | S3B | MBTA                      |  | SENSITIVE | SGCN3 | 3%  | 77%  |
|  |  | Species Occurrences verified in these Counties: Cascade, Chouteau, Flathead, Glacier, Lake, Phillips, Powell, Sheridan, Teton, Toole   |     |                           |  |           |       |     |      |
| <b>Poecile hudsonicus</b><br>Boreal Chickadee              | <b>Paridae</b><br>Chickadees                                 | G5   | S3  | MBTA                      |  |           | SGCN3 | 1%  | 14%  |
|  |  | Species Occurrences verified in these Counties: Flathead, Glacier, Lewis and Clark, Lincoln, Teton   |     |                           |  |           |       |     |      |
| <b>Polioptila caerulea</b><br>Blue-gray Gnatcatcher        | <b>Poliptilidae</b><br>Gnatcatchers                          | G5   | S3B | MBTA                      |  | SENSITIVE | SGCN2 | 0%  | 1%   |
|  |  | Species Occurrences verified in these Counties: Beaverhead, Big Horn, Broadwater, Carbon, Jefferson, Madison   |     |                           |  |           |       |     |      |
| <b>Psiloscops flammeolus</b><br>Flammulated Owl            | <b>Strigidae</b><br>Owls                                     | G4   | S3B | MBTA; BCC10               | Sensitive - Known in Forests (BD, BRT, KOOT, LOLO)<br>Species of Conservation Concern in Forests (FLAT, HLC) | SENSITIVE | SGCN3 | 2%  | 36%  |
|  |  | Species Occurrences verified in these Counties: Beaverhead, Broadwater, Flathead, Gallatin, Granite, Jefferson, Lake, Lewis and Clark, Lincoln, Madison, Mineral, Missoula, Powell, Ravalli, Sanders, Silver Bow   |     |                           |  |           |       |     |      |
| <b>Rhynchophanes mccownii</b><br>Thick-billed Longspur     | <b>Calcariidae</b><br>Longspurs and Snow Buntings            | G4   | S3B | MBTA; BCC10; BCC11; BCC17 |  | SENSITIVE | SGCN3 | 41% | 79%  |
|  |  | Species Occurrences verified in these Counties: Beaverhead, Blaine, Broadwater, Carbon, Cascade, Chouteau, Custer, Daniels, Fallon, Fergus, Gallatin, Garfield, Glacier, Golden Valley, Hill, Jefferson, Judith Basin, Lewis and Clark, Liberty, Madison, Mccone, Meagher, Musselshell, Park, Petroleum, Phillips, Pondera, Roosevelt, Rosebud, Sheridan, Silver Bow, Stillwater, Sweet Grass, Teton, Toole, Valley, Wheatland, Yellowstone<br>State Rank Reason: Species faces threats from cover type conversion and altered grazing and fire regimes, and although populations in the core of their breeding range in northeast Montana appear to be relatively stable, declines are occurring in much of the species' global breeding range. |     |                           |  |           |       |     |      |

|  |  |  |       |          |  |            |             |     |      |
|--|--|--|-------|----------|--|------------|-------------|-----|------|
| <b>Spizella breweri</b><br>Brewer's Sparrow            | <b>Passerellidae</b><br>New World Sparrows | G5   | S3B   | MBTA     |  | SENSITIVE  | SGCN3       | 12% | 100% |
|  |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Dawson, Deer Lodge, Fallon, Fergus, Flathead, Gallatin, Garfield, Glacier, Golden Valley, Granite, Hill, Jefferson, Judith Basin, Lake, Lewis and Clark, Liberty, Lincoln, Madison, Mccone, Meagher, Missoula, Musselshell, Park, Petroleum, Phillips, Pondera, Powder River, Powell, Prairie, Ravalli, Richland, Roosevelt, Rosebud, Sanders, Sheridan, Silver Bow, Stillwater, Sweet Grass, Teton, Toole, Treasure, Valley, Wheatland, Wibaux, Yellowstone<br><b>State Rank Reason:</b> Species faces threats from loss of sagebrush habitats it is dependent on as a result of habitat conversion for agriculture and increased frequency of fire as a result of weed encroachment and drought. |       |          |  |            |             |     |      |
| <b>Sterna forsteri</b><br>Forster's Tern               | <b>Laridae</b><br>Gulls / Terns            | G5   | S3B   | MBTA     |  | SENSITIVE  | SGCN3       | 1%  | 59%  |
|  |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Blaine, Cascade, Chouteau, Hill, Lake, Lewis and Clark, Petroleum, Phillips, Powell, Roosevelt, Sheridan, Teton   |       |          |  |            |             |     |      |
| <b>Sterna hirundo</b><br>Common Tern                   | <b>Laridae</b><br>Gulls / Terns            | G5   | S3B   | MBTA     |  | SENSITIVE  | SGCN3       | 5%  | 50%  |
|  |  | <b>Species Occurrences verified in these Counties:</b> Blaine, Broadwater, Cascade, Chouteau, Daniels, Flathead, Hill, Lake, Liberty, Mccone, Petroleum, Phillips, Roosevelt, Sheridan, Teton, Toole, Valley   |       |          |  |            |             |     |      |
| <b>Sternula antillarum</b><br>Least Tern               | <b>Laridae</b><br>Gulls / Terns            | G4   | S1B   | DM; MBTA |  | ENDANGERED | SGCN1, SGIN | 1%  | 10%  |
|  |  | <b>Species Occurrences verified in these Counties:</b> Custer, Dawson, Garfield, Mccone, Prairie, Richland, Roosevelt, Valley, Wibaux  |       |          |  |            |             |     |      |
| <b>Strix nebulosa</b><br>Great Gray Owl                | <b>Strigidae</b><br>Owls                   | G5   | S3    | MBTA     |  | SENSITIVE  | SGCN3, SGIN | 2%  | 46%  |
|  |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Carbon, Cascade, Deer Lodge, Flathead, Gallatin, Glacier, Granite, Jefferson, Judith Basin, Lake, Lewis and Clark, Lincoln, Meagher, Missoula, Park, Powell, Ravalli, Silver Bow, Sweet Grass, Teton, Wheatland   |       |          |  |            |             |     |      |
| <b>Surnia ulula</b><br>Northern Hawk Owl               | <b>Strigidae</b><br>Owls                   | G5   | S3    | MBTA     |  |            | SGCN3, SGIN | 0%  | 1%   |
|  |  | <b>Species Occurrences verified in these Counties:</b> Flathead, Glacier, Lewis and Clark, Teton<br><b>State Rank Reason:</b> Species has a small population and limited distribution in Montana.  |       |          |  |            |             |     |      |
| <b>Troglodytes pacificus</b><br>Pacific Wren           | <b>Troglodytidae</b><br>Wrens              | G5   | S3    | MBTA     |  |            | SGCN3       | 1%  | 39%  |
|  |  | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Broadwater, Carbon, Cascade, Deer Lodge, Fergus, Flathead, Gallatin, Glacier, Granite, Jefferson, Judith Basin, Lake, Lewis and Clark, Lincoln, Madison, Meagher, Mineral, Missoula, Park, Powell, Ravalli, Sanders, Silver Bow, Stillwater, Sweet Grass, Teton   |       |          |  |            |             |     |      |
| <b>Tympanuchus phasianellus</b><br>Sharp-tailed Grouse | <b>Phasianidae</b><br>Upland Game Birds    | G5   | SX,S4 |          |  |            | SGCN1       | 6%  | 100% |
|  |  | <b>Species Occurrences verified in these Counties:</b><br><b>State Rank Reason:</b> Populations west of the Continental Divide are extirpated and have a conservation status rank of SX. Populations east of the Continental Divide have a state rank of S4 and are not a Species of Concern.  |       |          |  |            |             |     |      |

| REPTILES (REPTILIA)                                  |  |  |            |       |      |           |             | 8 SPECIES                        |                                |
|--|--|--|------------|-------|------|-----------|-------------|----------------------------------|--------------------------------|
| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT          | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)   | GLOBAL RANK  | STATE RANK | USFWS | USFS | BLM       | FWP SWAP    | % OF GLOBAL BREEDING RANGE IN MT | % OF MT THAT IS BREEDING RANGE |
| <b>Apalone spinifera</b><br>Spiny Softshell          | <b>Trionychidae</b><br>Softshell Turtles | G5   | S3         |       |      | SENSITIVE | SGCN3       | 2%                               | 26%                            |
|  |  | <b>Species Occurrences verified in these Counties:</b> Big Horn, Blaine, Carbon, Cascade, Chouteau, Custer, Dawson, Fergus, Garfield, Glacier, Golden Valley, Lewis and Clark, Musselshell, Petroleum, Phillips, Pondera, Prairie, Richland, Rosebud, Stillwater, Sweet Grass, Teton, Toole, Treasure, Wheatland, Wibaux, Yellowstone  |            |       |      |           |             |                                  |                                |
| <b>Chelydra serpentina</b><br>Snapping Turtle        | <b>Chelydridae</b><br>Snapping Turtles   | G5   | S3         |       |      | SENSITIVE | SGCN3, SGIN | 1%                               | 26%                            |
|  |  | <b>Species Occurrences verified in these Counties:</b> Big Horn, Carbon, Carter, Custer, Dawson, Fallon, Garfield, Mccone, Phillips, Powder River, Prairie, Richland, Roosevelt, Rosebud, Sheridan, Stillwater, Treasure, Wibaux, Yellowstone<br><b>State Rank Reason:</b> Little is known about native populations of this species in Montana, which makes assessment of threats and trends difficult. This species has a high age of maturity and low recruitment, making populations vulnerable to extirpation. |            |       |      |           |             |                                  |                                |
| <b>Elgaria coerulea</b><br>Northern Alligator Lizard | <b>Anguidae</b><br>Alligator Lizards     | G5   | S3         |       |      |           | SGCN3, SGIN | 8%                               | 12%                            |
|  |  | <b>Species Occurrences verified in these Counties:</b> Flathead, Granite, Lake, Lincoln, Mineral, Missoula, Ravalli, Sanders   |            |       |      |           |             |                                  |                                |
| <b>Heterodon nasicus</b><br>Plains Hog-nosed Snake   | <b>Colubridae</b><br>Colubrid Snakes     | G5   | S2         |       |      | SENSITIVE | SGCN2, SGIN | 8%                               | 63%                            |
|  |  | <b>Species Occurrences verified in these Counties:</b> Big Horn, Blaine, Carter, Cascade, Chouteau, Custer, Dawson, Fallon, Garfield, Hill, Mccone, Musselshell, Petroleum, Phillips, Powder River, Prairie, Richland, Roosevelt, Rosebud, Sheridan, Stillwater, Toole, Treasure, Valley, Wibaux, Yellowstone  |            |       |      |           |             |                                  |                                |
| <b>Lampropeltis gentilis</b><br>Western Milksnake    | <b>Colubridae</b><br>Colubrid Snakes     | G5   | S2         |       |      | SENSITIVE | SGCN2       | 2%                               | 51%                            |
|  |  | <b>Species Occurrences verified in these Counties:</b> Big Horn, Blaine, Carbon, Custer, Dawson, Fergus, Garfield, Musselshell, Petroleum, Phillips, Powder River, Prairie, Rosebud, Stillwater, Yellowstone   |            |       |      |           |             |                                  |                                |
| <b>Opheodrys vernalis</b><br>Smooth Greensnake       | <b>Colubridae</b><br>Colubrid Snakes     | G5   | S2         |       |      | SENSITIVE | SGCN2, SGIN | 1%                               | 5%                             |
|  |  | <b>Species Occurrences verified in these Counties:</b> Daniels, Roosevelt, Sheridan<br><b>State Rank Reason:</b> The Smooth Green Snake is rarely observed and is only found within or near wetland habitat in far northeastern Montana. Conversion of grassland habitat to cropland threatens the species persistence within the state. Like many other reptiles we do not have data to assess changes in population, occupancy, or distribution over time.   |            |       |      |           |             |                                  |                                |



|   |   |   |    |  |  |           |             |     |     |
|---|---|---|----|--|--|-----------|-------------|-----|-----|
| <b>Phrynosoma hernandesi</b><br>Greater Short-horned Lizard | <b>Phrynosomatidae</b><br>Sagebrush / Spiny Lizards | G5  | S3 |  |  | SENSITIVE | SGCN3, SGIN | 19% | 66% |
|   |   | <b>Species Occurrences verified in these Counties:</b> Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Dawson, Fallon, Fergus, Gallatin, Garfield, Glacier, Golden Valley, Hill, Lewis and Clark, Liberty, McCone, Musselshell, Petroleum, Phillips, Pondera, Powder River, Prairie, Richland, Roosevelt, Rosebud, Silver Bow, Stillwater, Sweet Grass, Teton, Toole, Treasure, Valley, Wheatland, Wibaux, Yellowstone |    |  |  |           |             |     |     |
| <b>Plestiodon skiltonianus</b><br>Western Skink             | <b>Scincidae</b><br>Skinks                          | G5  | S3 |  |  |           | SGCN3, SGIN | 2%  | 10% |
|   |   | <b>Species Occurrences verified in these Counties:</b> Flathead, Granite, Lake, Lincoln, Mineral, Missoula, Ravalli, Sanders  |    |  |  |           |             |     |     |

| AMPHIBIANS (AMPHIBIA)                                   |   |   |            |       |      |           |             |                                  |                                |
|---|---|---|------------|-------|------|-----------|-------------|----------------------------------|--------------------------------|
| 5 SPECIES   |   |   |            |       |      |           |             |                                  |                                |
| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT             | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)        | GLOBAL RANK   | STATE RANK | USFWS | USFS | BLM       | FWP SWAP    | % OF GLOBAL BREEDING RANGE IN MT | % OF MT THAT IS BREEDING RANGE |
| <b>Anaxyrus boreas</b><br>Western Toad                  | <b>Bufo</b><br>True Toads                     | G4  | S2         |       |      | SENSITIVE | SGCN2       | 6%                               | 38%                            |
|   |   | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Chouteau, Deer Lodge, Flathead, Gallatin, Glacier, Granite, Jefferson, Judith Basin, Lake, Lewis and Clark, Lincoln, Madison, Meagher, Mineral, Missoula, Park, Pondera, Powell, Ravalli, Sanders, Silver Bow, Teton<br><b>State Rank Reason:</b> Over the last few decades this species has undergone serious declines in abundance due primarily to infection with Chytrid fungus. While declines in breeding site occupancy appear to have stabilized in the last decade, changes to abundance across the species range within Montana remain unknown. Significant threats to the persistence of this species remain from continued impacts of disease and mortality of adults and young during breeding and local migration. |            |       |      |           |             |                                  |                                |
| <b>Anaxyrus cognatus</b><br>Great Plains Toad           | <b>Bufo</b><br>True Toads                     | G5  | S2         |       |      | SENSITIVE | SGCN2       | 8%                               | 62%                            |
|   |   | <b>Species Occurrences verified in these Counties:</b> Big Horn, Blaine, Carter, Cascade, Chouteau, Custer, Garfield, Golden Valley, Hill, Lewis and Clark, Liberty, McCone, Musselshell, Petroleum, Phillips, Powder River, Prairie, Rosebud, Sheridan, Stillwater, Toole, Valley, Yellowstone<br><b>State Rank Reason:</b> Current trend is unknown due to a scarcity of observations, but long-term declines are possible due to declines in ephemeral waterbodies (bison wallows). Species faces threats from habitat loss including development of native habitat, and reduced availability of burrows due to black-tailed prairie dog declines.   |            |       |      |           |             |                                  |                                |
| <b>Dicamptodon aterrimus</b><br>Idaho Giant Salamander  | <b>Dicamptodontidae</b><br>Giant Salamanders  | G3G4  | S2         |       |      |           | SGCN2       | 4%                               | 1%                             |
|   |   | <b>Species Occurrences verified in these Counties:</b> Mineral<br><b>State Rank Reason:</b> Found only within a small area in western Montana along the Idaho border, little information exists to assess threats. The intrinsic vulnerability and specific habitat requirements of this species in combination with a small known range make declines or extirpation within the state a concern.   |            |       |      |           |             |                                  |                                |
| <b>Lithobates pipiens</b><br>Northern Leopard Frog      | <b>Rana</b><br>True Frogs                     | G5  | S1,S4      |       |      | SENSITIVE | SGCN1       | 6%                               | 72%                            |
|   |   | <b>Species Occurrences verified in these Counties:</b> Flathead, Lincoln<br><b>State Rank Reason:</b> Populations within the mountains of western Montana are a Species of Concern with a state rank of S1. Populations on the Great Plains have a state rank of S4 and are not a Species of Concern.   |            |       |      |           |             |                                  |                                |
| <b>Plethodon idahoensis</b><br>Coeur d'Alene Salamander | <b>Plethodontidae</b><br>Lungless Salamanders | G4  | S2         |       |      |           | SGCN2, SGIN | 31%                              | 5%                             |
|   |   | <b>Species Occurrences verified in these Counties:</b> Lincoln, Mineral, Missoula, Ravalli, Sanders   |            |       |      |           |             |                                  |                                |

| FISH (ACTINOPTERYGII)                            |  |  |            |       |      |     |          |                                  |                                |
|--|--|--|------------|-------|------|-----|----------|----------------------------------|--------------------------------|
| 23 SPECIES                                       |  |  |            |       |      |     |          |                                  |                                |
| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT      | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON) | GLOBAL RANK  | STATE RANK | USFWS | USFS | BLM | FWP SWAP | % OF GLOBAL BREEDING RANGE IN MT | % OF MT THAT IS BREEDING RANGE |
| <b>Acipenser transmontanus</b><br>White Sturgeon | <b>Acipenseridae</b><br>Sturgeons      | G4   | S1         | LE    |      |     | SGCN1    | 1%                               | 1%                             |
|  |  | <b>Species Occurrences verified in these Counties:</b> Lincoln<br><b>State Rank Reason:</b> The white sturgeon is currently listed as "S1" in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to global extinction or extirpation in the state. The Kootenai River population of white sturgeon (Kootenai sturgeon) has been declining during at least the past 50 years with only about 500 wild adults remaining. This population was listed as endangered under the Endangered Species Act (ESA) on September 6, 1994 (59 FR 45989) due to the ongoing lack of juvenile recruitment to the population since the 1960s. |            |       |      |     |          |                                  |                                |
| <b>Chrosomus eos</b><br>Northern Redbelly Dace   | <b>Cyprinidae</b><br>Minnows           | G5   | S3         |       |      |     | SGCN3    | 4%                               | 27%                            |
|  |  | <b>Species Occurrences verified in these Counties:</b> Blaine, Cascade, Chouteau, Daniels, Dawson, Fergus, Golden Valley, Hill, Judith Basin, Lewis and Clark, McCone, Meagher, Musselshell, Petroleum, Phillips, Pondera, Richland, Roosevelt, Sheridan, Stillwater, Sweet Grass, Teton, Toole, Valley, Wheatland, Wibaux<br><b>State Rank Reason:</b> The Northern Redbelly Dace is currently listed as an "S3" species of concern in Montana because they are potentially at risk because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.  |            |       |      |     |          |                                  |                                |



|  |                                |  |      |  |  |           |             |     |     |
|--|--------------------------------|--|------|--|--|-----------|-------------|-----|-----|
| <b>Chrosomus eos x<br/>Chrosomus neogaeus</b><br>Northern Redbelly X<br>Finescale Dace | <b>Cyprinidae</b><br>Minnows   | GNA  | S3   |  |  | SENSITIVE | SGCN3       |     | 20% |
|  |                                | <b>Species Occurrences verified in these Counties:</b> Blaine, Cascade, Chouteau, Fergus, Golden Valley, Judith Basin, Meagher, Musselshell, Petroleum, Phillips, Pondera, Stillwater, Teton, Valley, Wheatland<br><b>State Rank Reason:</b> The Northern Redbelly/Finescale Dace Hybrid is currently listed as an "S3" species of concern in Montana because they are potentially at risk because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.  |      |  |  |           |             |     |     |
| <b>Cottus rhotheus</b><br>Torrent Sculpin  | <b>Cottidae</b><br>Sculpins    | G5   | S3   |  |  |           | SGCN3       | 2%  | 3%  |
|  |                                | <b>Species Occurrences verified in these Counties:</b> Flathead, Lincoln<br><b>State Rank Reason:</b> The torrent sculpin is currently listed as an "S3" species of special concern by the state of Montana (Montana Natural Heritage Program 2004). A "S3" designation means that the species in Montana is potentially at risk because of limited and potentially declining numbers, extent and-or habitat, even though it may be abundant in some areas.  |      |  |  |           |             |     |     |
| <b>Cottus ricei</b><br>Spoonhead Sculpin   | <b>Cottidae</b><br>Sculpins    | G5   | S3   |  |  |           | SGCN3       | 1%  | 1%  |
|  |                                | <b>Species Occurrences verified in these Counties:</b> Glacier<br><b>State Rank Reason:</b> The spoonhead sculpin is presently listed as a species of special concern (SOC) in MT due to its limited distribution (S3, vulnerable-meaning they are at risk for potential declines in population, range or habitat even though they are abundant in some areas) (MNHP 2004). This species is similarly listed as an SOC in four of the other 14 states or provinces where it presently occurs. It is thought to be extirpated in New York, Illinois and Pennsylvania (Nature Serve 2014).   |      |  |  |           |             |     |     |
| <b>Cycleptus elongatus</b><br>Blue Sucker  | <b>Catostomidae</b><br>Suckers | G3G4   | S2S3 |  |  |           | SGCN2-3     | 1%  | 7%  |
|  |                                | <b>Species Occurrences verified in these Counties:</b> Blaine, Cascade, Chouteau, Custer, Dawson, Fergus, Garfield, Hill, Liberty, Mccone, Petroleum, Phillips, Powder River, Prairie, Richland, Roosevelt, Rosebud, Treasure, Valley, Wibaux<br><b>State Rank Reason:</b> The Blue Sucker is currently listed as an "S2S3" species of concern in Montana because they are potentially at risk of extirpation in the state, because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.   |      |  |  |           |             |     |     |
| <b>Etheostoma exile</b><br>Iowa Darter   | <b>Percidae</b><br>Perches     | G5   | S3   |  |  | SENSITIVE | SGCN3       | 1%  | 9%  |
|  |                                | <b>Species Occurrences verified in these Counties:</b> Blaine, Carter, Chouteau, Daniels, Dawson, Fallon, Glacier, Hill, Liberty, Mccone, Phillips, Richland, Roosevelt, Sheridan, Toole, Valley, Wibaux<br><b>State Rank Reason:</b> The Iowa Darter is currently listed as an "S3" species of concern in Montana because they are potentially at risk because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.   |      |  |  |           |             |     |     |
| <b>Lepisosteus platostomus</b><br>Shortnose Gar  | <b>Lepisosteidae</b><br>Gars   | G5   | S3   |  |  |           | SGCN1       | 1%  | 1%  |
|  |                                | <b>Species Occurrences verified in these Counties:</b> Custer, Dawson, Mccone, Prairie, Richland, Roosevelt, Valley, Wibaux<br><b>State Rank Reason:</b> The Shortnose Gar is currently ranked as S3 in Montana. The previous rank of S1 was revised to S3 due to recent observations upstream of known populations on the Missouri river into the Milk River and 70 miles upstream into the Yellowstone River.  |      |  |  |           |             |     |     |
| <b>Macrhybopsis gelida</b><br>Sturgeon Chub  | <b>Cyprinidae</b><br>Minnows   | G3   | S2S3 |  |  | SENSITIVE | SGCN2-3     | 17% | 7%  |
|  |                                | <b>Species Occurrences verified in these Counties:</b> Blaine, Cascade, Chouteau, Custer, Dawson, Fergus, Mccone, Petroleum, Phillips, Powder River, Prairie, Richland, Roosevelt, Rosebud, Valley, Wibaux<br><b>State Rank Reason:</b> The Sturgeon Chub is currently listed as an "S2S3" species of concern in Montana because they are potentially at risk of extirpation in the state, because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas. Population losses from the Fort Peck Section of the Missouri River and the Bighorn River are likely permanent, but recent losses from the Powder River basin are being reversed through recolonization (Stagliano 2014).   |      |  |  |           |             |     |     |
| <b>Macrhybopsis meeki</b><br>Sicklefin Chub  | <b>Cyprinidae</b><br>Minnows   | G3   | S1   |  |  |           | SGCN1       | 16% | 3%  |
|  |                                | <b>Species Occurrences verified in these Counties:</b> Blaine, Custer, Dawson, Fergus, Mccone, Petroleum, Phillips, Prairie, Richland, Roosevelt, Valley, Wibaux<br><b>State Rank Reason:</b> The Sicklefin Chub is currently listed as "S1" in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to extirpation in the state. It only occupies specific sections of the large mainstem Missouri and Yellowstone Rivers unaffected by reservoirs.   |      |  |  |           |             |     |     |
| <b>Margariscus nachtriebi</b><br>Northern Pearl Dace                                   | <b>Cyprinidae</b><br>Minnows   | G5   | S2   |  |  | SENSITIVE | SGCN2       | 1%  | 1%  |
|  |                                | <b>Species Occurrences verified in these Counties:</b> Blaine, Daniels, Hill, Mccone, Phillips, Richland, Roosevelt, Sheridan, Valley<br><b>State Rank Reason:</b> The Pearl Dace is currently listed as an "S2" species of concern in Montana because they are potentially at risk of extirpation in the state, because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas. Pearl Dace are not abundant when they are collected at the relatively few sites in cool, small streams and ponds they are known to inhabit. This factor, as well as introduced Northern Pike invasions into their small prairie streams, has caused them to be designated as a Montana Species of Special Concern vulnerable to extinction in the state. |      |  |  |           |             |     |     |
| <b>Myoxocephalus thompsonii</b><br>Deepwater Sculpin                                   | <b>Cottidae</b><br>Sculpins    | G5   | S3   |  |  |           | SGCN3, SGIN | 1%  | 1%  |
|  |                                | <b>Species Occurrences verified in these Counties:</b> Glacier<br><b>State Rank Reason:</b> The Deepwater sculpin is presently listed as a species of special concern (SOC) in MT due to its limited distribution (S3, vulnerable-meaning they are at risk for potential declines in population, range or habitat even though they are abundant in some areas) (MNHP 2011).  |      |  |  |           |             |     |     |
| <b>Oncorhynchus clarkii bouvieri</b><br>Yellowstone Cutthroat Trout                    | <b>Salmonidae</b><br>Trout     | G5T4   | S2   |  |  | SENSITIVE | SGCN2       |     | 12% |
|  |                                | <b>Species Occurrences verified in these Counties:</b> Big Horn, Carbon, Gallatin, Meagher, Park, Stillwater, Sweet Grass, Yellowstone<br><b>State Rank Reason:</b> The Yellowstone Cutthroat trout is currently ranked "S2" in Montana because it is at risk because of very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state.   |      |  |  |           |             |     |     |

|  |                                      |  |    |        |  |            |             |     |     |
|--|--------------------------------------|--|----|--------|--|------------|-------------|-----|-----|
| <b>Oncorhynchus clarkii lewisi</b><br>Westslope Cutthroat Trout      | <b>Salmonidae</b><br>Trout           | G5T4   | S2 |        | Sensitive - Known in Forests (BD, BRT, KOOT, LOLO)<br>Species of Conservation Concern in Forests (CG, HLC) | SENSITIVE  | SGCN2       |     | 34% |
|  |                                      | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Broadwater, Cascade, Chouteau, Deer Lodge, Fergus, Flathead, Gallatin, Glacier, Granite, Jefferson, Judith Basin, Lake, Lewis and Clark, Lincoln, Madison, Meagher, Mineral, Missoula, Park, Pondera, Powell, Ravalli, Sanders, Silver Bow, Teton, Wheatland<br><b>State Rank Reason:</b> The Westslope Cutthroat trout is currently ranked "S2" in Montana because it is at risk due to very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state.  |    |        |  |            |             |     |     |
| <b>Oncorhynchus mykiss gairdneri</b><br>Columbia River Redband Trout | <b>Salmonidae</b><br>Trout           | G5T4   | S1 |        | Sensitive - Known in Forests (KOOT)  |            | SGCN1       | 1%  | 3%  |
|  |                                      | <b>Species Occurrences verified in these Counties:</b> Flathead, Lincoln<br><b>State Rank Reason:</b> The Columbia River Redband trout is currently ranked "S1" in Montana because it is at extremely high risk of extirpation in the state due to very limited and/or rapidly declining population numbers, range and/or habitat.   |    |        |  |            |             |     |     |
| <b>Percopsis omiscomaycus</b><br>Trout-perch                         | <b>Percopsidae</b><br>Trout-perch    | G5   | S2 |        |  |            | SGCN2, SGIN | 1%  | 1%  |
|  |                                      | <b>Species Occurrences verified in these Counties:</b> Glacier<br><b>State Rank Reason:</b> The Trout-Perch is currently listed as an "S2" species of concern in Montana because they are potentially at risk of extirpation in the state, because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas. Limited distribution may be due to the lack of sampling in certain habitats or areas where they may be present   |    |        |  |            |             |     |     |
| <b>Polyodon spathula</b><br>Paddlefish                               | <b>Polyodontidae</b><br>Paddlefishes | G4   | S2 |        |  | SENSITIVE  | SGCN2       | 1%  | 5%  |
|  |                                      | <b>Species Occurrences verified in these Counties:</b> Blaine, Chouteau, Custer, Dawson, Fergus, Garfield, Hill, Liberty, Mccone, Petroleum, Phillips, Prairie, Richland, Roosevelt, Rosebud, Valley, Wibaux<br><b>State Rank Reason:</b> The paddlefish is currently ranked "S2" in Montana because it is at risk, because of very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to global extinction or extirpation in the state.  |    |        |  |            |             |     |     |
| <b>Prosopium coulterii</b><br>Pygmy Whitefish                        | <b>Salmonidae</b><br>Trout           | G5   | S3 |        |  |            | SGCN3, SGIN | 1%  | 1%  |
|  |                                      | <b>Species Occurrences verified in these Counties:</b> Flathead, Lake, Lincoln, Missoula<br><b>State Rank Reason:</b> The Pygmy Whitefish is currently listed as an "S3" species of concern in Montana because they are potentially at risk because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.   |    |        |  |            |             |     |     |
| <b>Salvelinus confluentus</b><br>Bull Trout                          | <b>Salmonidae</b><br>Trout           | G5   | S2 | LT; CH |  | THREATENED | SGCN2       | 5%  | 18% |
|  |                                      | <b>Species Occurrences verified in these Counties:</b> Deer Lodge, Flathead, Glacier, Granite, Lake, Lewis and Clark, Lincoln, Mineral, Missoula, Powell, Ravalli, Sanders   |    |        |  |            |             |     |     |
| <b>Salvelinus namaycush</b><br>Lake Trout                            | <b>Salmonidae</b><br>Trout           | G5   | S2 |        |  |            | SGCN2       |     | 5%  |
|  |                                      | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Glacier<br><b>State Rank Reason:</b> The Native Lake trout is currently ranked "S2" in Montana because it is at risk due to very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state. This species is a glacial relic in Montana known from native (never-stocked) populations occurring in Waterton Lake, Glens Lake, Cosley Lake, and St. Mary Lake in Glacier National Park and Lower St. Mary Lake on the Blackfoot Indian Reservation, as well as a couple of small populations in the upper Missouri River basin. Otherwise, all other populations in the state are introduced.   |    |        |  |            |             |     |     |
| <b>Sander canadensis</b><br>Sauger                                   | <b>Percidae</b><br>Perches           | G5   | S2 |        |  | SENSITIVE  | SGCN2       | 1%  | 15% |
|  |                                      | <b>Species Occurrences verified in these Counties:</b> Big Horn, Blaine, Carbon, Carter, Cascade, Chouteau, Custer, Dawson, Fallon, Fergus, Garfield, Hill, Liberty, Mccone, Musselshell, Petroleum, Phillips, Powder River, Prairie, Richland, Roosevelt, Rosebud, Stillwater, Teton, Treasure, Valley, Wibaux, Yellowstone<br><b>State Rank Reason:</b> The Sauger is currently listed as an "S2" species of concern in Montana because they are at risk of extirpation in the state, because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas. Population losses from the reservoir sections of the Missouri River and the Bighorn River are likely permanent. Competition and hybridization from the introduced walleye is another threat to native sauger populations. |    |        |  |            |             |     |     |
| <b>Scaphirhynchus albus</b><br>Pallid Sturgeon                       | <b>Acipenseridae</b><br>Sturgeons    | G2   | S1 | LE     |  | ENDANGERED | SGCN1       | 10% | 1%  |
|  |                                      | <b>Species Occurrences verified in these Counties:</b> Blaine, Cascade, Chouteau, Custer, Dawson, Fergus, Garfield, Mccone, Petroleum, Phillips, Powder River, Prairie, Richland, Roosevelt, Rosebud, Valley, Wibaux<br><b>State Rank Reason:</b> The Pallid Sturgeon is currently listed as "S1" in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to global extinction or extirpation in the state. The pallid sturgeon is one of the rarest fishes in North America and was federally listed as endangered in 1990. The Pallid Sturgeon has been declining during at least the past 50 years with only about 200 adults remaining in the upper Missouri River and limited natural reproduction.   |    |        |  |            |             |     |     |
| <b>Thymallus arcticus</b><br>Arctic Grayling                         | <b>Salmonidae</b><br>Trout           | G5   | S1 |        | Sensitive - Known in Forests (BD)  | SENSITIVE  | SGCN1       |     | 5%  |
|  |                                      | <b>Species Occurrences verified in these Counties:</b> Beaverhead, Deer Lodge, Madison, Silver Bow<br><b>State Rank Reason:</b> The Arctic Grayling is currently ranked "S1" in Montana because it is at extremely high risk of extirpation in the state due to very limited and/or rapidly declining population numbers, range and/or habitat.  |    |        |  |            |             |     |     |

| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT   | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)         | GLOBAL<br>RANK | STATE<br>RANK | USFWS | USFS | BLM | FWP SWAP | % OF GLOBAL<br>BREEDING RANGE IN<br>MT | % OF MT THAT IS<br>BREEDING RANGE |
|---|--|----------------|---------------|-------|------|-----|----------|--|-----------------------------------|
| <b>Bombus suckleyi</b><br>Suckley Cuckoo Bumble Bee   | <b>Apidae</b><br>Bees                          | G2G3           | S1            |       |      |     |          |  |                                   |
| Species Occurrences verified in these Counties: Broadwater, Carbon, Cascade, Daniels, Fergus, Flathead, Gallatin, Glacier, Jefferson, Lake, Lewis and Clark, Madison, Meagher, Mineral, Missoula, Powell, Ravalli, Sanders, Stillwater, Toole<br>State Rank Reason: Species is rare and appears to be declining.  |  |                |               |       |      |     |          |  |                                   |
| <b>Melanoplus missoulae</b><br>A spur-throat grasshopper  | <b>Acrididae</b><br>Short-horned Grasshoppers  | G1             | SNR           |       |      |     |          | 100%                                   |                                   |
| Species Occurrences verified in these Counties:   |  |                |               |       |      |     |          |  |                                   |
| <b>BETLES</b>   |  |                |               |       |      |     |          |  |                                   |
| <b>Cicindela arenicola</b><br>Saint Anthony Dune Tiger Beetle   | <b>Cicindelidae</b><br>Tiger Beetles           | G2             | S1S2          |       |      |     |          |  |                                   |
| Species Occurrences verified in these Counties: Beaverhead, Madison<br>State Rank Reason: Species is ranked S1S2 as a result of its global rarity and recently detected occupancy of isolated suitable habitat in the Centennial Sandhills of southwest Montana.  |  |                |               |       |      |     |          |  |                                   |
| <b>Microcyloepus browni</b><br>Brown's Microcyloepus Riffle Beetle  | <b>Elmidae</b><br>Riffle Beetles               | G1             | S1            |       |      |     |          | 100%                                   | 1%                                |
| Species Occurrences verified in these Counties: Gallatin<br>State Rank Reason: This riffle beetle is currently listed as "S1" in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to global extinction or extirpation in the state. These warm-spring beetles are generally endemic to only a few locations; this species is endemic to 1 known location, a warm springs in the Bridger Creek Canyon outside of Bozeman.  |  |                |               |       |      |     |          |  |                                   |
| <b>Zaitzevia thermae</b><br>Warm Spring Zaitzevian Riffle Beetle  | <b>Elmidae</b><br>Riffle Beetles               | G1             | S1            |       |      |     |          | 100%                                   | 1%                                |
| Species Occurrences verified in these Counties: Gallatin<br>State Rank Reason: This riffle beetle is currently listed as "S1" in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to global extinction or extirpation in the state. These warm-spring beetles are generally endemic to only a few locations; this species is endemic to 1 known location, a warm springs in the Bridger Creek Canyon outside of Bozeman.  |  |                |               |       |      |     |          |  |                                   |
| <b>BUTTERFLIES</b>  |  |                |               |       |      |     |          |  |                                   |
| <b>Atrytone arogos</b><br>Arogos Skipper  | <b>Hesperiidae</b><br>Skipper Butterflies      | G2G3           | S2S3          |       |      |     |          |  | 8%                                |
| Species Occurrences verified in these Counties: Carter, Fallon<br>State Rank Reason: Arogos Skipper is dependent on native prairies and is believed to be declining in response to loss of habitat across its range among other threats. In Montana the species' persistence is threatened for these reasons and more information is needed on its distribution, life history, and ecological relationships. As state rank cannot exceed global rank we have assigned the species a rank of S2S3, and will continue to refine the rank as more information becomes available. |  |                |               |       |      |     |          |  |                                   |
| <b>Boloria alberta</b><br>Alberta Fritillary  | <b>Nymphalidae</b><br>Brush-footed Butterflies | G3             | S2S3          |       |      |     |          |  | 1%                                |
| Species Occurrences verified in these Counties: Teton   |  |                |               |       |      |     |          |  |                                   |
| <b>Boloria frigga</b><br>Frigga Fritillary  | <b>Nymphalidae</b><br>Brush-footed Butterflies | G5             | S1S2          |       |      |     |          |  | 12%                               |
| Species Occurrences verified in these Counties: Beaverhead, Gallatin, Madison   |  |                |               |       |      |     |          |  |                                   |
| <b>Danaus plexippus</b><br>Monarch  | <b>Nymphalidae</b><br>Brush-footed Butterflies | G4             | S2S3          | C     |      |     |          |  | 100%                              |
| Species Occurrences verified in these Counties: Beaverhead, Big Horn, Carbon, Carter, Chouteau, Custer, Daniels, Dawson, Gallatin, Golden Valley, Judith Basin, Lake, Lewis and Clark, Madison, McCone, Missoula, Musselshell, Park, Pondera, Prairie, Ravalli, Rosebud, Sheridan, Sweet Grass, Teton, Valley, Yellowstone  |  |                |               |       |      |     |          |  |                                   |
| <b>Euphydryas gillettii</b><br>Gillette's Checkerspot   | <b>Nymphalidae</b><br>Brush-footed Butterflies | G3             | S2            |       |      |     |          |  | 42%                               |
| Species Occurrences verified in these Counties: Beaverhead, Cascade, Deer Lodge, Fergus, Flathead, Glacier, Judith Basin, Madison, Mineral, Missoula, Pondera, Powell   |  |                |               |       |      |     |          |  |                                   |
| <b>Hesperia ottoe</b><br>Ottoe Skipper  | <b>Hesperiidae</b><br>Skipper Butterflies      | G3             | S2S3          |       |      |     |          |  | 19%                               |
| Species Occurrences verified in these Counties: Sheridan  |  |                |               |       |      |     |          |  |                                   |
| <b>Polygonia progne</b><br>Gray Comma   | <b>Nymphalidae</b><br>Brush-footed Butterflies | G5             | S2            |       |      |     |          |  | 50%                               |
| Species Occurrences verified in these Counties: Carter, Custer, Dawson, Fallon, Gallatin, Liberty, Madison, Powder River, Richland, Toole, Valley   |  |                |               |       |      |     |          |  |                                   |
| <b>CADDISFLIES</b>  |  |                |               |       |      |     |          |  |                                   |
| <b>Goereilla baumanni</b><br>Northern Rocky Mountains<br>Refugium Caddisfly   | <b>Rossianidae</b><br>Rossianid Caddisflies    | G1             | S2            |       |      |     |          | 50%                                    | 5%                                |
| Species Occurrences verified in these Counties: Lake, Missoula<br>State Rank Reason: This NRM Caddisfly is currently ranked a "S2" Species of Concern in MT and at risk because of very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state. Limited sites with small populations and specialized habitats. This species is a rare, endemic caddisfly only found in specific streams in the Pacific Influenced areas of Montana and Idaho (referred to as the Northern Rocky Mountain Refugium).  |  |                |               |       |      |     |          |  |                                   |
| <b>Philocasca banksi</b><br>A Caddisfly   | <b>Limnephilidae</b><br>Northern Caddisflies   | G1G3           | S2            |       |      |     |          |  |                                   |
| Species Occurrences verified in these Counties: Mineral, Sanders<br>State Rank Reason: Species' distribution appears to be limited to a small area of western Montana. Species is uncommon and may be rare within this area. Impacts of changing hydrology, increasing water temperatures, and drought are not understood but may be significant.   |  |                |               |       |      |     |          |  |                                   |

|  |  |   |      |  |  |  |  |     |     |  |
|--|--|---|------|--|--|--|--|-----|-----|--|
| <b>Rhyacophila alexanderi</b><br>Alexander's Rhyacophilan Caddisfly    | <b>Rhyacophilidae</b><br>Primitive Caddisflies     | G2  | S2   |  |  |  |  | 33% | 1%  |  |
|  |  | <p><b>Species Occurrences verified in these Counties:</b> Lake, Park<br/> <b>State Rank Reason:</b> Alexander's Rhyacophilan Caddisfly is currently ranked a "S2" Species of Concern in MT and at risk because of very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state. Limited sites with small populations, but also difficult to identify without adult specimens.</p>   |      |  |  |  |  |     |     |  |
| <b>Rhyacophila belona</b><br>A Rhyacophilan Caddisfly                  | <b>Rhyacophilidae</b><br>Primitive Caddisflies     | G2G4  | S1   |  |  |  |  |     |     |  |
|  |  | <p><b>Species Occurrences verified in these Counties:</b> Flathead, Glacier<br/> <b>State Rank Reason:</b> In Montana the species is found in the vicinity of Glacier National Park and is dependent on cold water streams. Loss of glaciers in this region could cause significant impacts to an already limited species.</p>  |      |  |  |  |  |     |     |  |
| <b>Rhyacophila ebria</b><br>A Rhyacophilan Caddisfly                   | <b>Rhyacophilidae</b><br>Primitive Caddisflies     | G2G3  | S1   |  |  |  |  | 50% | 1%  |  |
|  |  | <p><b>Species Occurrences verified in these Counties:</b> Flathead, Glacier<br/> <b>State Rank Reason:</b> This Rhyacophilan Caddisfly is currently ranked a "S1" Species of Concern in MT and is at high risk of extirpation in the state because of very limited and/or potentially declining population numbers, range and/or habitat. Limited sites with small populations, but these insects are also difficult to identify without adult specimens.</p>   |      |  |  |  |  |     |     |  |
| <b>Rhyacophila gemona</b><br>A Rhyacophilan Caddisfly                  | <b>Rhyacophilidae</b><br>Primitive Caddisflies     | G3  | S2   |  |  |  |  | 50% | 2%  |  |
|  |  | <p><b>Species Occurrences verified in these Counties:</b> Lake<br/> <b>State Rank Reason:</b> This Rhyacophilan Caddisfly is currently ranked a "S2" Species of Concern in MT and at risk because of very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state. Limited sites with small populations, and the species is difficult to identify without adult specimens.</p>  |      |  |  |  |  |     |     |  |
| <b>Rhyacophila glaciera</b><br>A Rhyacophilan Caddisfly                | <b>Rhyacophilidae</b><br>Primitive Caddisflies     | G3  | S1   |  |  |  |  | 40% | 2%  |  |
|  |  | <p><b>Species Occurrences verified in these Counties:</b> Flathead, Glacier<br/> <b>State Rank Reason:</b> This Rhyacophilan Caddisfly is currently ranked a "S1" Species of Concern in MT and is at extreme risk of becoming extirpated in the state because of very limited and/or potentially declining population numbers, range and/or habitat. Limited sites with small populations, retreating glaciers and the difficulty of identifying this species without adult specimens all contribute to its state threatened status.</p>  |      |  |  |  |  |     |     |  |
| <b>Rhyacophila newelli</b><br>A Rhyacophilan Caddisfly                 | <b>Rhyacophilidae</b><br>Primitive Caddisflies     | G1  | S2   |  |  |  |  | 50% | 1%  |  |
|  |  | <p><b>Species Occurrences verified in these Counties:</b> Missoula<br/> <b>State Rank Reason:</b> This Rhyacophilan Caddisfly is currently ranked a "S2" Species of Concern in MT at risk because of very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state. Limited sites with small populations, but also difficult to identify without adult specimens.</p>  |      |  |  |  |  |     |     |  |
| <b>Rhyacophila potteri</b><br>A Rhyacophilan Caddisfly                 | <b>Rhyacophilidae</b><br>Primitive Caddisflies     | G3  | S2   |  |  |  |  | 50% | 5%  |  |
|  |  | <p><b>Species Occurrences verified in these Counties:</b> Beaverhead, Flathead, Mineral, Ravalli<br/> <b>State Rank Reason:</b> This Rhyacophilan Caddisfly is currently ranked a "S2" Species of Concern in MT and at risk because of very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state. Limited sites with small populations, and the species is difficult to identify without adult specimens.</p>  |      |  |  |  |  |     |     |  |
| <b>Rhyacophila rickeri</b><br>A Rhyacophilan Caddisfly                 | <b>Rhyacophilidae</b><br>Primitive Caddisflies     | G3G4  | S2   |  |  |  |  |     |     |  |
|  |  | <p><b>Species Occurrences verified in these Counties:</b> Flathead, Glacier<br/> <b>State Rank Reason:</b> This Rhyacophilan Caddisfly is currently ranked a "S2" Species of Concern in MT and at risk because of very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state. Limited sites with small populations, and the species is difficult to identify without adult specimens.</p>   |      |  |  |  |  |     |     |  |
| <b>Rhyacophila unimaculata</b><br>A Rhyacophilan Caddisfly             | <b>Rhyacophilidae</b><br>Primitive Caddisflies     | G2G3  | S1   |  |  |  |  |     |     |  |
|  |  | <p><b>Species Occurrences verified in these Counties:</b> Lake<br/> <b>State Rank Reason:</b> Species is found along the east shore of Flathead Lake and occupies small streams. Threats are unknown, but changes in hydrology and water temperature could have significant impacts to the global population.</p>   |      |  |  |  |  |     |     |  |
| <b>Rossiana montana</b><br>Northern Rocky Mountains Refugium Caddisfly | <b>Rossianidae</b><br>Rossianid Caddisflies        | G2G3  | S2   |  |  |  |  | 50% | 1%  |  |
|  |  | <p><b>Species Occurrences verified in these Counties:</b> Lake, Mineral, Missoula, Sanders<br/> <b>State Rank Reason:</b> This NRMR Caddisfly is currently ranked a "S2" Species of Concern in MT and at risk because of very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state. Limited sites with small populations and specialized habitats. This species is a rare, endemic caddisfly only found in specific streams in the Pacific Influenced areas of Montana and Idaho (referred to as the Northern Rocky Mountain Refugium).</p>  |      |  |  |  |  |     |     |  |
| <b>Zumatrichia notosa</b><br>A Caddisfly                               | <b>Hydroptilidae</b><br>Micro-caddisflies          | G2G4  | S3   |  |  |  |  |     |     |  |
|  |  | <p><b>Species Occurrences verified in these Counties:</b> Madison, Mineral, Missoula, Sanders<br/> <b>State Rank Reason:</b> Species is distributed across western Montana, but may be rare or uncommon within its range.</p>   |      |  |  |  |  |     |     |  |
| <b>DAMSELFLIES</b>   |  |   |      |  |  |  |  |     |     |  |
| <b>Coenagrion interrogatum</b><br>Subarctic Bluet                      | <b>Coenagrionidae</b><br>Narrow-winged Damselflies | G5  | S1S2 |  |  |  |  | 6%  | 2%  |  |
|  |  | <p><b>Species Occurrences verified in these Counties:</b> Flathead, Lincoln<br/> <b>State Rank Reason:</b> This damselfly is currently listed as an "S1S2" Species of Concern in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to extirpation in the state. This restricted range may be due to lack of suitable surveys to detect this dragonfly. With more surveys this species will likely be found in more areas across the western portion of the state. The Subarctic Bluet appears to be very habitat specific to the marshy lakes of northwest MT, limited collecting contributes to it's vulnerable state status as well.</p> |      |  |  |  |  |     |     |  |
| <b>DRAGONFLIES</b>   |  |   |      |  |  |  |  |     |     |  |
| <b>Aeshna subarctica</b><br>Subarctic Darner                           | <b>Aeshnidae</b><br>Darner Dragonflies             | G5  | S1S2 |  |  |  |  | 5%  | 21% |  |

|  |   |  |      |  |  |  |           |     |     |
|--|---|--|------|--|--|--|-----------|-----|-----|
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Beaverhead, Flathead, Granite, Lake, Lewis and Clark, Lincoln, Missoula, Powell, Sanders<br/> <b>State Rank Reason:</b> This dragonfly is currently listed as an "S1S2" Species of Concern in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state.</p>   |      |  |  |  |           |     |     |
| <b>Erpetogomphus designatus</b><br>Eastern Ringtail          | <b>Gomphidae</b><br>Clubtail Dragonflies      | G5   | S1   |  |  |  |           | 5%  | 2%  |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Blaine, Missoula, Phillips<br/> <b>State Rank Reason:</b> This dragonfly is currently listed as an "S1" Species of Concern in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to extirpation in the state. It has only been reported from a large warm springs pond in eastern Montana.</p>   |      |  |  |  |           |     |     |
| <b>Erythemis collocata</b><br>Western Pondhawk               | <b>Libellulidae</b><br>Skimmer Dragonflies    | G5   | S1S2 |  |  |  |           | 5%  | 6%  |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Jefferson, Madison<br/> <b>State Rank Reason:</b> This dragonfly is currently listed as an "S1S2" Species of Concern in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to extirpation in the state. Restricted to one warm spring habitat in the Tobacco Root Mountains of the state.</p>  |      |  |  |  |           |     |     |
| <b>Leucorrhinia borealis</b><br>Boreal Whiteface             | <b>Libellulidae</b><br>Skimmer Dragonflies    | G5   | S1   |  |  |  |           | 10% | 36% |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Beaverhead, Deer Lodge, Jefferson, Judith Basin, Lewis and Clark, Powell, Silver Bow<br/> <b>State Rank Reason:</b> This dragonfly is currently listed as an "S1" Species of Concern in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to extirpation in the state. This restricted range may be due to lack of suitable surveys to detect this dragonfly. With more surveys this species will likely be found in more areas across the western portion of the state.</p>  |      |  |  |  |           |     |     |
| <b>Somatochlora walshii</b><br>Brush-tipped Emerald          | <b>Corduliidae</b><br>Emerald Dragonflies     | G5   | S1S2 |  |  |  |           | 5%  | 9%  |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Flathead, Lake, Lewis and Clark, Lincoln, Missoula, Powell, Ravalli<br/> <b>State Rank Reason:</b> This dragonfly is currently listed as an "S1S2" Species of Concern in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to extirpation in the state.</p>   |      |  |  |  |           |     |     |
| <b>Stylurus intricatus</b><br>Brimstone Clubtail             | <b>Gomphidae</b><br>Clubtail Dragonflies      | G4   | S1   |  |  |  |           | 10% | 54% |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Powder River, Prairie, Richland, Roosevelt<br/> <b>State Rank Reason:</b> This dragonfly is currently listed as an "S1" Species of Concern in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to extirpation in the state. Currently only known from a few locations, mostly from larval collections and require shifting prairie river sandbars, this habitat is lost when damming a large river occurs.</p>   |      |  |  |  |           |     |     |
| <b>MAYFLIES</b>  |   |  |      |  |  |  |           |     |     |
| <b>Anepaeorus rusticus</b><br>A Sand-dwelling Mayfly         | <b>Heptageniidae</b><br>Heptageniid Mayflies  | G2   | S1   |  |  |  |           | 50% | 2%  |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Custer, Powder River, Prairie<br/> <b>State Rank Reason:</b> This sand-dwelling mayfly is currently listed as "S1" Species of Concern in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to extirpation in the state. This large river species has probably lost miles of habitat due to dams on the Milk, Tongue, Bighorn, and Missouri Rivers. This species is limited by intact large, prairie river habitat and potentially may be threatened by coal bed natural gas (CBNG) development in the Powder River basin of Wyoming (Stagliano 2012).</p> |      |  |  |  |           |     |     |
| <b>Caurinella idahoensis</b><br>Lolo Mayfly                  | <b>Ephemereididae</b><br>Ephemereid Mayflies  | G3   | S2   |  |  |  |           | 50% | 5%  |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Mineral, Missoula, Sanders<br/> <b>State Rank Reason:</b> This Lolo mayfly is currently ranked "S2" in Montana, because it is at risk of extirpation in the state due to very limited and/or potentially declining population numbers, range and/or habitat. This species is a rare, endemic mayfly only found in specific streams in the Pacific influenced areas of Montana and Idaho (referred to as the Northern Rocky Mountain Refugium).</p>   |      |  |  |  |           |     |     |
| <b>Homoeoneuria alleni</b><br>A Sand-dwelling Mayfly         | <b>Oligoneuriidae</b><br>Oligoneurid Mayflies | G4   | S2   |  |  |  |           | 20% | 5%  |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Custer, Powder River, Prairie, Richland<br/> <b>State Rank Reason:</b> This sand-dwelling mayfly is currently ranked S2 in Montana, because it is at risk of extirpation in the state due to very limited and/or potentially declining population numbers, range and/or habitat.</p>   |      |  |  |  |           |     |     |
| <b>Lachlania saskatchewanensis</b><br>A Sand-dwelling Mayfly | <b>Oligoneuriidae</b><br>Oligoneurid Mayflies | G4   | S1   |  |  |  |           | 33% | 5%  |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Dawson, Hill, Powder River, Richland<br/> <b>State Rank Reason:</b> This sand-dwelling mayfly is currently listed as "S1" Species of Concern in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to extirpation in the state. This large river species has probably lost miles of habitat due to dams on the Milk, Tongue, Bighorn, and Missouri Rivers.</p>   |      |  |  |  |           |     |     |
| <b>Macdunnoa nipawinia</b><br>A Sand-dwelling Mayfly         | <b>Heptageniidae</b><br>Heptageniid Mayflies  | G3   | S2   |  |  |  |           | 33% | 5%  |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Richland<br/> <b>State Rank Reason:</b> This sand-dwelling mayfly is currently listed as an "S2" species of concern in Montana because they are potentially at risk of extirpation in the state, due to limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.</p>  |      |  |  |  |           |     |     |
| <b>Parameletus columbiae</b><br>A Mayfly                     | <b>Siphonuridae</b><br>Siphonurid Mayflies    | G2   | S1   |  |  |  |           |     |     |
|  |   | <p><b>Species Occurrences verified in these Counties:</b> Flathead, Glacier<br/> <b>State Rank Reason:</b> This mayfly is currently listed as an "S1" Species of Concern in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to global extinction or extirpation in the state. Recently discovered in limited wetland locations with the Flathead River basin and Glacier Park.</p>  |      |  |  |  |           |     |     |
| <b>Raptoheptagenia cruentata</b><br>A Mayfly                 | <b>Heptageniidae</b><br>Heptageniid Mayflies  | G4   | S2   |  |  |  | SENSITIVE | 50% | 5%  |
|  |   |  |      |  |  |  |           |     |     |



|  |  |  |      |    |  |  |  |      |     |
|--|--|--|------|----|--|--|--|------|-----|
|  |  | <p><b>Species Occurrences verified in these Counties:</b> Custer, Powder River</p> <p><b>State Rank Reason:</b> This mayfly is currently listed as an "S2" species of concern in Montana because they are potentially at risk of extirpation in the state, due to limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas. This species is limited by intact large, prairie river habitat and potentially may be threatened by coal bed natural gas (CBNG) development in the Powder River basin of Wyoming (Stagliano 2012).</p> |      |    |  |  |  |      |     |
| <b>SPRINGTAILS</b>   |  |  |      |    |  |  |  |      |     |
| <b>Oncopodura cruciata</b><br>A Springtail   | <b>Oncopoduridae</b><br>Elongate Springtails | G1G2   | S1S2 |    |  |  |  | 100% | 1%  |
| Species Occurrences verified in these Counties: Jefferson  |  |  |      |    |  |  |  |      |     |
| <b>STONEFLIES</b>  |  |  |      |    |  |  |  |      |     |
| <b>Isocapnia crinita</b><br>Hooked Snowfly   | <b>Capniidae</b><br>Small Winter Stoneflies  | G5   | S2   |    |  |  |  | 20%  | 9%  |
| <p><b>Species Occurrences verified in these Counties:</b> Flathead, Gallatin, Lincoln, Missoula, Ravalli</p> <p><b>State Rank Reason:</b> The Hooked Snowfly is currently ranked "S2" in Montana because it was thought to be at risk due to very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state. But, recent range extensions due to newly reported collections may warrant re-evaluating this SOC rank.</p>   |  |  |      |    |  |  |  |      |     |
| <b>Isocapnia integra</b><br>Alberta Snowfly  | <b>Capniidae</b><br>Small Winter Stoneflies  | G4G5   | S2   |    |  |  |  | 20%  | 5%  |
| <p><b>Species Occurrences verified in these Counties:</b> Broadwater, Carbon, Cascade, Flathead, Gallatin, Lincoln, Mineral, Park, Stillwater, Sweet Grass, Yellowstone</p> <p><b>State Rank Reason:</b> The Alberta snowfly is currently ranked "S2" in Montana because it was thought to be at risk due to very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state. But, recent range extensions due to taxonomic changes may warrant re-evaluating this SOC rank.</p>  |  |  |      |    |  |  |  |      |     |
| <b>Isoperl a petersoni</b><br>Springs Stripetail   | <b>Perlodidae</b><br>Perlodid Stoneflies     | G5   | S2   |    |  |  |  | 10%  | 9%  |
| <p><b>Species Occurrences verified in these Counties:</b> Gallatin, Glacier</p> <p><b>State Rank Reason:</b> The Springs Stripetail is currently ranked a "S2" Species of Concern in MT at risk because of very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state. Limited sites with small populations, but also difficult to identify without adult specimens.</p>   |  |  |      |    |  |  |  |      |     |
| <b>Lednia tumana</b><br>Meltwater Lednian Stonefly   | <b>Nemouridae</b><br>Spring Stoneflies       | G1G2   | S1   | LT |  |  |  | 100% | 1%  |
| <p><b>Species Occurrences verified in these Counties:</b> Flathead, Glacier, Lake</p> <p><b>State Rank Reason:</b> This stonefly is currently listed as an "S1" Species of Concern in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to extirpation in the state or even global extinction. Currently only known from a few locations in Glacier National Park, mostly from larval collections. Currently at risk of becoming extinct due to the melting of the glaciers in Glacier National Park, which it depends on for its alpine snow-melt stream habitat. It was listed as a "candidate species" for listing under the Endangered Species Act in 2011.</p> |  |  |      |    |  |  |  |      |     |
| <b>Soliperla salish</b><br>Clearwater Roachfly   | <b>Peltoperlidae</b><br>Roachlike Stoneflies | G2   | S2   |    |  |  |  | 50%  | 1%  |
| <p><b>Species Occurrences verified in these Counties:</b> Mineral, Sanders</p> <p><b>State Rank Reason:</b> The Clearwater Roachfly is currently ranked a "S2" Species of Concern in MT at risk because of very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state.</p>   |  |  |      |    |  |  |  |      |     |
| <b>Soyedina potteri</b><br>Northern Rocky Mountains<br>Refugium Stonefly   | <b>Nemouridae</b><br>Spring Stoneflies       | G2   | S2   |    |  |  |  | 33%  | 5%  |
| <p><b>Species Occurrences verified in these Counties:</b> Flathead, Glacier, Mineral, Missoula, Sanders</p> <p><b>State Rank Reason:</b> The NRM stonefly is currently ranked "S2" in Montana because it is thought to be at risk due to very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state. This species is globally restricted to Montana and Idaho.</p>   |  |  |      |    |  |  |  |      |     |
| <b>Suwallia salish</b><br>A Stonefly   | <b>Chloroperlidae</b><br>Green Stoneflies    | G1   | S1   |    |  |  |  |      |     |
| <p><b>Species Occurrences verified in these Counties:</b> Lake</p> <p><b>State Rank Reason:</b> Known only from Flathead Lake</p>  |  |  |      |    |  |  |  |      |     |
| <b>Sweltsa durfeeii</b><br>Lolo Sailfly  | <b>Chloroperlidae</b><br>Green Stoneflies    | G2   | S2   |    |  |  |  |      |     |
| <p><b>Species Occurrences verified in these Counties:</b> Mineral, Ravalli</p> <p><b>State Rank Reason:</b> Limited distribution within the state and may be rare or uncommon within range. Warming stream temperatures, may impact habitat suitability, but further study is needed to understand these effects.</p>  |  |  |      |    |  |  |  |      |     |
| <b>Utacapnia columbiana</b><br>Columbian Snowfly   | <b>Capniidae</b><br>Small Winter Stoneflies  | G5   | S2   |    |  |  |  | 20%  | 2%  |
| <p><b>Species Occurrences verified in these Counties:</b> Lincoln</p> <p><b>State Rank Reason:</b> The Columbian Snowfly is currently ranked "S2" in Montana because it was thought to be at risk due to very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state.</p>   |  |  |      |    |  |  |  |      |     |
| <b>Zapada cordillera</b><br>Cordilleran Forestfly  | <b>Nemouridae</b><br>Spring Stoneflies       | G3   | S2   |    |  |  |  | 33%  | 17% |
| <p><b>Species Occurrences verified in these Counties:</b> Flathead, Lake, Missoula</p> <p><b>State Rank Reason:</b> The Cordilleran stonefly is currently ranked "S2" in Montana because it is thought to be at risk due to very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state. Occurrences in the Northern Rocky Mountain region (Montana and Idaho) appear to be disjunct glacial refugium populations (Gustafson 2001).</p>   |  |  |      |    |  |  |  |      |     |
| <b>Zapada glacier</b><br>Western Glacier Stonefly  | <b>Nemouridae</b><br>Spring Stoneflies       | G1   | S1   | LT |  |  |  | 40%  | 1%  |
| <p><b>Species Occurrences verified in these Counties:</b> Carbon, Flathead, Glacier</p> <p><b>State Rank Reason:</b> The Western Glacier Stonefly is currently ranked "S1" in Montana because it is thought to be at high risk due to very limited and/or potentially declining population numbers, range and/or habitat, making it extremely vulnerable to extirpation in the state. This species is particularly vulnerable due to its very restricted habitat and cold water temperature requirements.</p>  |  |  |      |    |  |  |  |      |     |



| INVERTEBRATES - MOLLUSKS   |  |                |               |       |  |           |          | 32 SPECIES                             |                                   |
|--|--|----------------|---------------|-------|--|-----------|----------|--|-----------------------------------|
| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT  | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)               | GLOBAL<br>RANK | STATE<br>RANK | USFWS | USFS   | BLM       | FWP SWAP | % OF GLOBAL<br>BREEDING RANGE IN<br>MT | % OF MT THAT IS<br>BREEDING RANGE |
| <b>Acroloxus coloradensis</b><br>Rocky Mountain Capshell   | <b>Acroloxidae</b><br>Capshells                      | G3G4           | S1            |       |  |           |          | 20%                                    | 1%                                |
| <p><b>Species Occurrences verified in these Counties:</b> Flathead, Glacier</p> <p><b>State Rank Reason:</b> Due to this restricted distribution and only a few known occurrences, this species was placed on the MT Species of Concern list as S1, critically imperiled. It is at high risk of extirpation in the state because of very limited and/or potentially declining population numbers, range and/or habitat.</p>  |  |                |               |       |  |           |          |  |                                   |
| <b>Colligyrus greggi</b><br>Rocky Mountain Dusksnail   | <b>Hydrobiidae</b><br>Amnicolas / Dusksnails         | G4             | S1            |       |  |           |          | 20%                                    | 5%                                |
| <p><b>Species Occurrences verified in these Counties:</b> Mineral, Sanders</p> <p><b>State Rank Reason:</b> Due to this restricted distribution and few known occurrences, this species has been placed on the MT Species of Concern list as S1, critically imperiled and extremely vulnerable to extirpation in the state. Only a few occurrences known despite extensive sampling in its preferred habitats in the past few years; restrictive spring-influenced habitats.</p>   |  |                |               |       |  |           |          |  |                                   |
| <b>Cryptomastix sanburni</b><br>Kingston Oregonian   | <b>Polygyridae</b><br>Oregonians / Forest Snails     | G3             | S1            |       |  |           |          |  |                                   |
| <p><b>Species Occurrences verified in these Counties:</b> Missoula</p>   |  |                |               |       |  |           |          |  |                                   |
| <b>Discus brunsoni</b><br>Lake Disc  | <b>Discidae</b><br>Discs                             | G1             | S1            |       |  |           |          | 100%                                   | 1%                                |
| <p><b>Species Occurrences verified in these Counties:</b> Lake</p>   |  |                |               |       |  |           |          |  |                                   |
| <b>Discus shimekii</b><br>Striate Disc   | <b>Discidae</b><br>Discs                             | G5             | S1            |       |  |           |          | 5%                                     | 36%                               |
| <p><b>Species Occurrences verified in these Counties:</b> Carbon, Gallatin, Granite, Hill, Lake, Lincoln, Madison, Meagher, Park, Powell, Sweet Grass</p>  |  |                |               |       |  |           |          |  |                                   |
| <b>Fisherola nuttalli</b><br>Shortface Lanx  | <b>Lymnaeidae</b><br>Fossarias / Pondsnaills / Lanxs | G2             | S1            |       |  |           |          | 0%                                     | 0%                                |
| <p><b>Species Occurrences verified in these Counties:</b> Sanders</p> <p><b>State Rank Reason:</b> Based on repeated surveys of historic habitat this species appears to be declining precipitously and is at great risk of extirpation within Montana due to ongoing threats to persistence of the population isolated by damming of the Clark Fork River.</p>  |  |                |               |       |  |           |          |  |                                   |
| <b>Haplotrema vancouverense</b><br>Robust Lancetooth   | <b>Haplotrematidae</b><br>Lancetooths                | G5             | S1S2          |       |  |           |          | 5%                                     | 1%                                |
| <p><b>Species Occurrences verified in these Counties:</b> Lincoln, Sanders</p>   |  |                |               |       |  |           |          |  |                                   |
| <b>Hemphillia camelus</b><br>Pale Jumping-slug   | <b>Arionidae</b><br>Arionid Slugs                    | G4             | S1S2          |       |  |           |          |  | 2%                                |
| <p><b>Species Occurrences verified in these Counties:</b> Lincoln, Mineral, Missoula, Sanders</p>  |  |                |               |       |  |           |          |  |                                   |
| <b>Hemphillia danielsi</b><br>Marbled Jumping-slug   | <b>Arionidae</b><br>Arionid Slugs                    | G3             | S1S2          |       |  |           |          | 80%                                    | 2%                                |
| <p><b>Species Occurrences verified in these Counties:</b> Mineral, Missoula, Ravalli</p>   |  |                |               |       |  |           |          |  |                                   |
| <b>Hemphillia skadei</b><br>Skade's Jumping-slug   | <b>Arionidae</b><br>Arionid Slugs                    | GNR            | S1S2          |       |  |           |          |  |                                   |
| <p><b>Species Occurrences verified in these Counties:</b> Lincoln</p> <p><b>State Rank Reason:</b> Species is newly separated by genetic and morphological attributed from the Pale Jumping-slug. Much uncertainty exists in distribution, trends, and the impacts of operational threats including climate change, fire, and forest management practices. Further information is needed to refine the status rank which may be derived from further surveys as well as the analysis of the genetics and morphology of previously collected voucher specimens. The species has a Raw Status Rank 2.5 (S3), but after review of the limited information on the species we have decreased the rank as the species is likely limited in distribution and may face threats to its persistence in the state. Given the limited information on this species we have chosen to assign a split rank of S1-S2 until more information allows us to rank the species with greater uncertainty.</p>      |  |                |               |       |  |           |          |  |                                   |
| <b>Kootenaia burkei</b><br>Pygmy Slug  | <b>Arionidae</b><br>Arionid Slugs                    | G3             | S1S2          |       |  |           |          | 50%                                    | 4%                                |
| <p><b>Species Occurrences verified in these Counties:</b> Lincoln, Mineral, Sanders</p>  |  |                |               |       |  |           |          |  |                                   |
| <b>Magnipelta mycophaga</b><br>Magnum Mantleslug   | <b>Arionidae</b><br>Arionid Slugs                    | G3             | S2S3          |       |  |           |          | 33%                                    | 7%                                |
| <p><b>Species Occurrences verified in these Counties:</b> Flathead, Granite, Lincoln, Mineral, Missoula, Ravalli, Sanders</p>  |  |                |               |       |  |           |          |  |                                   |
| <b>Margaritifera falcata</b><br>Western Pearlshell   | <b>Margaritiferidae</b><br>Margaritiferid Mussels    | G5             | S2            |       | Sensitive - Known in Forests (BD, BRT, KOOT, LOLO)<br>Species of Conservation Concern in Forests (CG, HLC) | SENSITIVE | SGCN2    | 10%                                    | 26%                               |
| <p><b>Species Occurrences verified in these Counties:</b> Beaverhead, Broadwater, Cascade, Deer Lodge, Gallatin, Granite, Jefferson, Lake, Lewis and Clark, Lincoln, Madison, Meagher, Missoula, Powell, Ravalli, Sanders, Silver Bow</p> <p><b>State Rank Reason:</b> The Western Pearlshell is currently ranked a "S2" Species of Concern in MT and is at risk because of very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state. This species is widespread in geographic area, but is declining in terms of area occupied and the number of sites with viable individuals; populations showing repeated reproduction (at least several age classes) are now the exception rather than the rule. Montana currently has only 14 "excellent" viable populations out of ~120 known locations (Stagliano 2010). Short term trends show populations declining by ~20% over the last decade (Stagliano 2015).</p> |  |                |               |       |  |           |          |  |                                   |

|   |   |      |      |  |  |  |  |      |     |
|---|---|------|------|--|--|--|--|------|-----|
| <b>Oreohelix alpina</b><br>Alpine Mountainsnail   | <b>Oreohelicidae</b><br>Mountain Snails       | G2   | S1   |  |  |  |  | 100% | 1%  |
| Species Occurrences verified in these Counties: Lake, Lewis and Clark, Missoula, Powell   |   |      |      |  |  |  |  |      |     |
| <b>Oreohelix amariradix</b><br>Bitterroot Mountainsnail   | <b>Oreohelicidae</b><br>Mountain Snails       | G1G2 | S1S2 |  |  |  |  | 100% | 1%  |
| Species Occurrences verified in these Counties: Missoula  |   |      |      |  |  |  |  |      |     |
| <b>Oreohelix carinifera</b><br>Keeled Mountainsnail   | <b>Oreohelicidae</b><br>Mountain Snails       | G1   | S1   |  |  |  |  | 100% | 1%  |
| Species Occurrences verified in these Counties: Granite, Missoula, Powell   |   |      |      |  |  |  |  |      |     |
| <b>Oreohelix elrodi</b><br>Carinate Mountainsnail   | <b>Oreohelicidae</b><br>Mountain Snails       | G2   | S1   |  |  |  |  | 100% | 1%  |
| Species Occurrences verified in these Counties: Lake, Lewis and Clark   |   |      |      |  |  |  |  |      |     |
| <b>Oreohelix haydeni</b><br>Lyrate Mountainsnail  | <b>Oreohelicidae</b><br>Mountain Snails       | G2   | S1S3 |  |  |  |  |      |     |
| Species Occurrences verified in these Counties: Granite, Mineral, Missoula  |   |      |      |  |  |  |  |      |     |
| <b>Oreohelix pygmaea</b><br>Pygmy Mountainsnail   | <b>Oreohelicidae</b><br>Mountain Snails       | G2   | S1   |  |  |  |  |      |     |
| Species Occurrences verified in these Counties: Big Horn, Carbon  |   |      |      |  |  |  |  |      |     |
| <b>Oreohelix strigosa berryi</b><br>Berry's Mountainsnail   | <b>Oreohelicidae</b><br>Mountain Snails       | G5T2 | S1S2 |  |  |  |  | 67%  | 1%  |
| Species Occurrences verified in these Counties: Broadwater, Carbon, Fergus, Golden Valley, Meagher, Park, Wheatland   |   |      |      |  |  |  |  |      |     |
| <b>Oreohelix yavapai mariae</b><br>Gallatin Mountainsnail   | <b>Oreohelicidae</b><br>Mountain Snails       | G5T1 | S1   |  |  |  |  | 100% | 1%  |
| Species Occurrences verified in these Counties: Gallatin  |   |      |      |  |  |  |  |      |     |
| <b>Oxyloma nuttallianum</b><br>Oblique Ambersnail   | <b>Succineidae</b><br>Ambersnails             | G2G4 | S2   |  |  |  |  |      |     |
| Species Occurrences verified in these Counties: Flathead, Missoula, Ravalli<br>State Rank Reason: Species is likely found across a broad area of Montana, but surveys to assess status have not been conducted.   |   |      |      |  |  |  |  |      |     |
| <b>Physa megalochlamys</b><br>Large-mantle Physa  | <b>Physidae</b><br>Physas                     | G3G4 | S1   |  |  |  |  | 5%   | 1%  |
| Species Occurrences verified in these Counties: Lake<br>State Rank Reason: Due to this restricted distribution and only a few known occurrences, this species was placed on the MT Species of Concern list as S1, critically imperiled. It is at high risk of extirpation in the state because of very limited and/or potentially declining population numbers, range and/or habitat. |   |      |      |  |  |  |  |      |     |
| <b>Polygyrella polygyrella</b><br>Humped Coin   | <b>Megomphicidae</b><br>Coins                 | G3   | S1S2 |  |  |  |  | 75%  | 1%  |
| Species Occurrences verified in these Counties: Mineral, Ravalli, Sanders   |   |      |      |  |  |  |  |      |     |
| <b>Pristiloma idahoense</b><br>Thinlip Tightcoil  | <b>Zonitidae</b><br>Gems / Glasses / Glosses  | G3   | S1S3 |  |  |  |  |      |     |
| Species Occurrences verified in these Counties: Ravalli   |   |      |      |  |  |  |  |      |     |
| <b>Pristiloma wascoense</b><br>Shiny Tightcoil  | <b>Zonitidae</b><br>Gems / Glasses / Glosses  | G3G4 | S1S3 |  |  |  |  |      |     |
| Species Occurrences verified in these Counties: Deer Lodge, Flathead, Glacier, Granite, Lake, Lincoln, Mineral  |   |      |      |  |  |  |  |      |     |
| <b>Prophysaon andersoni</b><br>Reticulate Taildropper   | <b>Arionidae</b><br>Arionid Slugs             | G5   | S1S2 |  |  |  |  |      | 1%  |
| Species Occurrences verified in these Counties: Flathead, Sanders   |   |      |      |  |  |  |  |      |     |
| <b>Prophysaon humile</b><br>Smoky Taildropper   | <b>Arionidae</b><br>Arionid Slugs             | G3   | S2S3 |  |  |  |  | 50%  | 12% |
| Species Occurrences verified in these Counties: Flathead, Lake, Lincoln, Mineral, Missoula, Ravalli, Sanders  |   |      |      |  |  |  |  |      |     |
| <b>Pyrgulopsis bedfordensis</b><br>Bedford Springsnail  | <b>Hydrobiidae</b><br>Amnicolas / Duskysnails | G1   | S1   |  |  |  |  | 100% | 1%  |
| Species Occurrences verified in these Counties: Broadwater<br>State Rank Reason: Due to this restricted distribution and only known occurrence, this species was given a conservation status rank, G1 (Globally Rare) and placed on the MT Species of Concern list as S1, critically imperiled  |   |      |      |  |  |  |  |      |     |
| <b>Pyrgulopsis blainica</b><br>Blaine Pyrg  | <b>Hydrobiidae</b><br>Amnicolas / Duskysnails | G1   | S1   |  |  |  |  | 100% |     |
| Species Occurrences verified in these Counties: Madison<br>State Rank Reason: Due to this restricted distribution and only known occurrence, this species was given a conservation status rank, G1 (Globally Rare) and placed on the MT Species of Concern list as S1, critically imperiled   |   |      |      |  |  |  |  |      |     |
| <b>Udosarx lyrata</b><br>Lyre Mantleslug  | <b>Arionidae</b><br>Arionid Slugs             | G3   | S1   |  |  |  |  | 50%  | 2%  |
| Species Occurrences verified in these Counties: Mineral, Missoula, Ravalli  |   |      |      |  |  |  |  |      |     |
| <b>Zacoleus idahoensis</b><br>Sheathed Slug   | <b>Arionidae</b><br>Arionid Slugs             | G3G4 | S2S3 |  |  |  |  | 50%  | 11% |
| Species Occurrences verified in these Counties: Flathead, Lake, Lincoln, Mineral, Missoula, Ravalli, Sanders  |   |      |      |  |  |  |  |      |     |

| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT  | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)      | GLOBAL<br>RANK | STATE<br>RANK | USFWS | USFS | BLM | FWP SWAP | % OF GLOBAL<br>BREEDING RANGE IN<br>MT | % OF MT THAT IS<br>BREEDING RANGE |
|--|---|----------------|---------------|-------|------|-----|----------|--|-----------------------------------|
| <b>ARACHNIDS</b>   |   |                |               |       |      |     |          |  |                                   |
| <b>Sclerobunus cavicolens</b><br>A Cave Obligate Harvestman  | <b>Triaenonychidae</b>                      | G1G2           | S1S2          |       |      |     |          | 100%                                   | 1%                                |
| Species Occurrences verified in these Counties: Jefferson, Madison   |   |                |               |       |      |     |          |  |                                   |
| <b>CRUSTACEANS</b>   |   |                |               |       |      |     |          |  |                                   |
| <b>Salmasellus steganothrix</b><br>A Cave Obligate Isopod  | <b>Asellidae</b><br>Pill / Sow Bugs         | G2             | S1S2          |       |      |     |          | 70%                                    | 1%                                |
| Species Occurrences verified in these Counties: Flathead<br>State Rank Reason: This Subterranean Cave Obligate Isopod is currently listed as "S1S2" in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to global extinction or extirpation in the state. These subterranean isopods are generally endemic to only a few locations; this one having only been reported in Montana from Algal Cave in Glacier National Park, and the subterranean alluvial floodplain between the Flathead and Whitefish rivers in the Kalispell Valley, both in Flathead County. |   |                |               |       |      |     |          |  |                                   |
| <b>Stygobromus glacialis</b><br>Glacier Amphipod   | <b>Crangonyctidae</b><br>Gammarid Amphipods | G1             | S1S2          |       |      |     |          | 100%                                   | 1%                                |
| Species Occurrences verified in these Counties: Flathead, Glacier<br>State Rank Reason: This Subterranean Amphipod is currently listed as "S1S2" in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to global extinction or extirpation in the state. These subterranean amphipods are generally endemic to a few locations.  |   |                |               |       |      |     |          |  |                                   |
| <b>Stygobromus montanensis</b><br>A Subterranean Amphipod  | <b>Crangonyctidae</b><br>Gammarid Amphipods | G1G2           | S1S2          |       |      |     |          | 100%                                   | 1%                                |
| Species Occurrences verified in these Counties: Ravalli<br>State Rank Reason: This Subterranean Amphipod is currently listed as "S1S2" in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to global extinction or extirpation in the state. These subterranean amphipods are generally endemic to a few locations.  |   |                |               |       |      |     |          |  |                                   |
| <b>Stygobromus obscurus</b><br>A Subterranean Amphipod   | <b>Crangonyctidae</b><br>Gammarid Amphipods | G1G2           | S1S2          |       |      |     |          | 100%                                   | 1%                                |
| Species Occurrences verified in these Counties: Ravalli<br>State Rank Reason: This Subterranean Amphipod is currently listed as "S1S2" in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to global extinction or extirpation in the state. These subterranean amphipods are generally endemic to a few locations.  |   |                |               |       |      |     |          |  |                                   |
| <b>Stygobromus puteanus</b><br>A Subterranean Amphipod   | <b>Crangonyctidae</b><br>Gammarid Amphipods | G1G2           | S1S2          |       |      |     |          | 100%                                   | 1%                                |
| Species Occurrences verified in these Counties: Broadwater, Gallatin<br>State Rank Reason: This Subterranean Amphipod is currently listed as "S1S2" in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to global extinction or extirpation in the state. These subterranean amphipods are generally endemic to a few locations.   |   |                |               |       |      |     |          |  |                                   |
| <b>Stygobromus tritus</b><br>A Subterranean Amphipod   | <b>Crangonyctidae</b><br>Gammarid Amphipods | G1             | S1S2          |       |      |     |          | 100%                                   | 1%                                |
| Species Occurrences verified in these Counties: Missoula, Ravalli<br>State Rank Reason: This Subterranean Amphipod is currently listed as "S1S2" in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to global extinction or extirpation in the state. These subterranean amphipods are generally endemic to a few locations.  |   |                |               |       |      |     |          |  |                                   |
| <b>FRESHWATER SPONGES</b>  |   |                |               |       |      |     |          |  |                                   |
| <b>Ephydatia cooperensis</b><br>A Freshwater Sponge  | <b>Spongillidae</b><br>Freshwater Sponges   | G1             | S1S3          |       |      |     |          | 100%                                   | 1%                                |
| Species Occurrences verified in these Counties: Missoula, Powell<br>State Rank Reason: This Freshwater Sponge is currently ranked a "S1S3" Species of Concern in MT and is at risk because of very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state. Known from a few locations in lakes of northwest Montana.  |   |                |               |       |      |     |          |  |                                   |
| <b>MILLIPEDES</b>  |   |                |               |       |      |     |          |  |                                   |
| <b>Adrityla cucullata</b><br>A Millipede   | <b>Adritylidae</b><br>Adritylid Millipedes  | GU             | S1S3          |       |      |     |          | 100%                                   |                                   |
| Species Occurrences verified in these Counties: Missoula   |   |                |               |       |      |     |          |  |                                   |
| <b>Austrotyla montani</b><br>A Millipede   | <b>Conotylidae</b><br>Conotylid Millipedes  | G1G2           | S1S3          |       |      |     |          | 100%                                   |                                   |
| Species Occurrences verified in these Counties: Missoula   |   |                |               |       |      |     |          |  |                                   |
| <b>Corypus cochlearis</b><br>A Millipede   | <b>Conotylidae</b><br>Conotylid Millipedes  | G1G3           | S1S3          |       |      |     |          | 100%                                   |                                   |
| Species Occurrences verified in these Counties: Missoula, Sanders  |   |                |               |       |      |     |          |  |                                   |
| <b>Orthogmus oculatus</b><br>A Millipede   | <b>Conotylidae</b><br>Conotylid Millipedes  | G1G3           | S1S3          |       |      |     |          | 100%                                   |                                   |
| Species Occurrences verified in these Counties: Sanders  |   |                |               |       |      |     |          |  |                                   |
| <b>Taiyutyla curvata</b><br>A Millipede  | <b>Conotylidae</b><br>Conotylid Millipedes  | G1G3           | S1S3          |       |      |     |          | 100%                                   |                                   |
| Species Occurrences verified in these Counties: Lincoln  |   |                |               |       |      |     |          |  |                                   |

## Potential Species of Concern

93 Species

All Records (no filtering)

| MAMMALS (MAMMALIA)   |  |             |            |       |      |     |          |                                  |                                | 12 SPECIES |
|--|--|-------------|------------|-------|------|-----|----------|----------------------------------|--------------------------------|------------|
| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT  | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)             | GLOBAL RANK | STATE RANK | USFWS | USFS | BLM | FWP SWAP | % OF GLOBAL BREEDING RANGE IN MT | % OF MT THAT IS BREEDING RANGE |            |
| <b>Erethizon dorsatum</b><br>North American Porcupine  | <b>Erethizontidae</b><br>Porcupines                | G5          | S3S4       |       |      |     | SGIN     | 3%                               | 100%                           |            |
| <p><b>Species Occurrences verified in these Counties:</b></p> <p><b>State Rank Reason:</b> Although commonly observed and presumably secure in eastern Montana, this species has undergone significant and possibly catastrophic declines in conifer forests west of the Continental Divide. The cause of these declines is unknown, and there is considerable uncertainty what effect this will have on the persistence of the species within this region of the state.</p> |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Lasionycteris noctivagans</b><br>Silver-haired Bat  | <b>Vespertilionidae</b><br>Bats                    | G3G4        | S4         |       |      |     |          | 4%                               | 100%                           |            |
| <p><b>Species Occurrences verified in these Counties:</b></p>  |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Lepus californicus</b><br>Black-tailed Jackrabbit   | <b>Leporidae</b><br>Rabbits                        | G5          | SU         |       |      |     | SGIN     | 1%                               | 3%                             |            |
| <p><b>Species Occurrences verified in these Counties:</b></p> <p><b>State Rank Reason:</b> This species has rarely been observed and little data are available to assess the conservation status in Montana.</p>   |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Marmota caligata</b><br>Hoary Marmot  | <b>Sciuridae</b><br>Squirrels                      | G5          | S3S4       |       |      |     | SGIN     | 4%                               | 19%                            |            |
| <p><b>Species Occurrences verified in these Counties:</b></p>  |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Microtus richardsoni</b><br>North American Water Vole   | <b>Cricetidae</b><br>New World Mice / Rats / Voles | G5          | S4         |       |      |     |          | 17%                              | 34%                            |            |
| <p><b>Species Occurrences verified in these Counties:</b></p> <p><b>State Rank Reason:</b> Species is restricted to small fast-flowing creeks and streams, but most core habitat is protected as wilderness. More data are needed to understand population trends and better understand threats to the species.</p>  |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Neotamias umbrinus</b><br>Uinta Chipmunk  | <b>Sciuridae</b><br>Squirrels                      | G5          | SU         |       |      |     | SGIN     | 1%                               | 8%                             |            |
| <p><b>Species Occurrences verified in these Counties:</b></p> <p><b>State Rank Reason:</b> Species is known from less than 10 observations and data to assess the conservation status in Montana are not available, and further surveys are needed.</p>  |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Sorex haydeni</b><br>Hayden's Shrew   | <b>Soricidae</b><br>Shrews                         | G5          | S3S4       |       |      |     |          | 5%                               | 65%                            |            |
| <p><b>Species Occurrences verified in these Counties:</b></p> <p><b>State Rank Reason:</b> Species faces threats from development and degradation of native prairie habitats. Species is infrequently observed, so it is difficult to assess threats and trends.</p>   |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Spilogale gracilis</b><br>Western Spotted Skunk   | <b>Mephitidae</b><br>Skunks                        | G5          | SU         |       |      |     | SGIN     | 1%                               | 22%                            |            |
| <p><b>Species Occurrences verified in these Counties:</b></p> <p><b>State Rank Reason:</b> This species has rarely been observed and little data are available to assess the conservation status in Montana.</p>   |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Thomomys idahoensis</b><br>Idaho Pocket Gopher  | <b>Geomyidae</b><br>Pocket Gophers                 | G4          | S2S4       |       |      |     | SGIN     | 33%                              | 6%                             |            |
| <p><b>Species Occurrences verified in these Counties:</b></p>  |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Urocitellus armatus</b><br>Uinta Ground Squirrel  | <b>Sciuridae</b><br>Squirrels                      | G5          | S3S4       |       |      |     | SGIN     | 14%                              | 8%                             |            |
| <p><b>Species Occurrences verified in these Counties:</b></p> <p><b>State Rank Reason:</b> Due to infrequent observations distribution, threats, and status are uncertain within the state.</p>  |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Urocitellus elegans</b><br>Wyoming Ground Squirrel  | <b>Sciuridae</b><br>Squirrels                      | G5          | S3S4       |       |      |     |          | 23%                              | 9%                             |            |
| <p><b>Species Occurrences verified in these Counties:</b></p> <p><b>State Rank Reason:</b> Due to infrequent observations distribution, threats, and status are uncertain within the state.</p>  |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Zapus hudsonius</b><br>Meadow Jumping Mouse   | <b>Dipodidae</b><br>Jumping Mice                   | G5          | S3S4       |       |      |     | SGIN     | 1%                               | 20%                            |            |
| <p><b>Species Occurrences verified in these Counties:</b></p> <p><b>State Rank Reason:</b> Species is found across much of southeast Montana in mesic habitats. It may be common within range and habitat but faces threats from overgrazing impacting vegetation density in riparian areas. Information on trend and impact of threats is unavailable. Future baseline surveys may clarify the species status.</p>  |  |             |            |       |      |     |          |                                  |                                |            |

| BIRDS (AVES)                                |  |             |            |       |      |     |          |                                  |                                | 18 SPECIES |
|---|--|-------------|------------|-------|------|-----|----------|----------------------------------|--------------------------------|------------|
| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON) | GLOBAL RANK | STATE RANK | USFWS | USFS | BLM | FWP SWAP | % OF GLOBAL BREEDING RANGE IN MT | % OF MT THAT IS BREEDING RANGE |            |
| <b>Aegolius funereus</b><br>Boreal Owl      | <b>Strigidae</b><br>Owls               | G5          | S3S4       | MBTA  |      |     | SGIN     | 2%                               | 39%                            |            |

|  |  |   |       |                       |  |  |      |    |      |  |
|--|--|---|-------|-----------------------|--|--|------|----|------|--|
|  |  | <p><b>Species Occurrences verified in these Counties:</b></p> <p><b>State Rank Reason:</b> Very little is known about population size or population trends and there is concern over the impacts of forest disease, fire, and timber harvest because the species is dependent on mature spruce/fir forests.</p>   |       |                       |  |  |      |    |      |  |
| <b>Asio flammeus</b><br>Short-eared Owl                    | <b>Strigidae</b><br>Owls                               | G5  | S4    | MBTA; BCC11;<br>BCC17 |  |  |      | 2% | 100% |  |
|  |  | <b>Species Occurrences verified in these Counties:</b>  |       |                       |  |  |      |    |      |  |
| <b>Bucephala islandica</b><br>Barrow's Goldeneye           | <b>Anatidae</b><br>Swans / Geese / Ducks               | G5  | S4    | MBTA                  |  |  | SGIN | 2% | 31%  |  |
|  |  | <b>Species Occurrences verified in these Counties:</b>  |       |                       |  |  |      |    |      |  |
| <b>Chaetura pelagica</b><br>Chimney Swift                  | <b>Apodidae</b><br>Swifts                              | G4G5  | S3S4B | MBTA; BCC11           |  |  | SGIN | 1% | 59%  |  |
|  |  | <b>Species Occurrences verified in these Counties:</b>  |       |                       |  |  |      |    |      |  |
| <b>Empidonax wrightii</b><br>Gray Flycatcher               | <b>Tyrannidae</b><br>Flycatchers                       | G5  | S3S4B | MBTA                  |  |  |      | 0% | 7%   |  |
|  |  | <b>Species Occurrences verified in these Counties:</b>  |       |                       |  |  |      |    |      |  |
| <b>Leiothlypis peregrina</b><br>Tennessee Warbler          | <b>Parulidae</b><br>Warblers                           | G5  | S3S4B | MBTA                  |  |  |      | 1% | 11%  |  |
|  |  | <b>Species Occurrences verified in these Counties:</b>  |       |                       |  |  |      |    |      |  |
| <b>Lophodytes cucullatus</b><br>Hooded Merganser           | <b>Anatidae</b><br>Swans / Geese / Ducks               | G5  | S4    | MBTA                  |  |  | SGIN | 2% | 100% |  |
|  |  | <b>Species Occurrences verified in these Counties:</b>  |       |                       |  |  |      |    |      |  |
| <b>Megascops asio</b><br>Eastern Screech-Owl               | <b>Strigidae</b><br>Owls                               | G5  | S3S4  | MBTA                  |  |  |      | 4% | 74%  |  |
|  |  | <b>Species Occurrences verified in these Counties:</b>  |       |                       |  |  |      |    |      |  |
| <b>Megascops kennicottii</b><br>Western Screech-Owl        | <b>Strigidae</b><br>Owls                               | G4G5  | S3S4  | MBTA                  |  |  | SGIN | 3% | 34%  |  |
|  |  | <p><b>Species Occurrences verified in these Counties:</b></p> <p><b>State Rank Reason:</b> Species lacks baseline assessment and monitoring data. The species may face threats to mature forest nest sites in riparian areas due to development, altered hydrology, and grazing, but how operational these threats are is uncertain. Thus, the species is most appropriately placed on the Potential Species of Concern list with a state conservation status rank of S3S4 until more information is available.</p> |       |                       |  |  |      |    |      |  |
| <b>Mniotilta varia</b><br>Black-and-white Warbler          | <b>Parulidae</b><br>Warblers                           | G5  | S4B   | MBTA                  |  |  |      | 1% | 27%  |  |
|  |  | <b>Species Occurrences verified in these Counties:</b>  |       |                       |  |  |      |    |      |  |
| <b>Phalaenoptilus nuttallii</b><br>Common Poorwill         | <b>Caprimulgidae</b><br>Nightjars                      | G5  | S4B   | MBTA                  |  |  | SGIN | 4% | 100% |  |
|  |  | <p><b>Species Occurrences verified in these Counties:</b></p> <p><b>State Rank Reason:</b> Although species lacks monitoring data, populations are assumed to be stable, habitats seem to be intact, and threats are not believed to be significant at the present time.</p>  |       |                       |  |  |      |    |      |  |
| <b>Seiurus aurocapilla</b><br>Ovenbird                     | <b>Parulidae</b><br>Warblers                           | G5  | S4B   | MBTA                  |  |  |      | 5% | 75%  |  |
|  |  | <b>Species Occurrences verified in these Counties:</b>  |       |                       |  |  |      |    |      |  |
| <b>Selasphorus platycercus</b><br>Broad-tailed Hummingbird | <b>Trochilidae</b><br>Hummingbirds                     | G5  | S4B   | MBTA; BCC10           |  |  | SGIN | 1% | 5%   |  |
|  |  | <b>Species Occurrences verified in these Counties:</b>  |       |                       |  |  |      |    |      |  |
| <b>Selasphorus rufus</b><br>Rufous Hummingbird             | <b>Trochilidae</b><br>Hummingbirds                     | G4  | S4B   | MBTA; BCC10           |  |  |      | 9% | 45%  |  |
|  |  | <b>Species Occurrences verified in these Counties:</b>  |       |                       |  |  |      |    |      |  |
| <b>Sialia sialis</b><br>Eastern Bluebird                   | <b>Turdidae</b><br>Thrushes                            | G5  | S4B   | MBTA                  |  |  |      | 1% | 35%  |  |
|  |  | <b>Species Occurrences verified in these Counties:</b>  |       |                       |  |  |      |    |      |  |
| <b>Spiza americana</b><br>Dickcissel                       | <b>Cardinalidae</b><br>Tanagers / Cardinals / Buntings | G5  | S4B   | MBTA                  |  |  |      | 3% | 45%  |  |
|  |  | <b>Species Occurrences verified in these Counties:</b>  |       |                       |  |  |      |    |      |  |
| <b>Tyrannus vociferans</b><br>Cassin's Kingbird            | <b>Tyrannidae</b><br>Flycatchers                       | G5  | S4B   | MBTA                  |  |  |      | 1% | 26%  |  |
|  |  | <b>Species Occurrences verified in these Counties:</b>  |       |                       |  |  |      |    |      |  |
| <b>Vireo plumbeus</b><br>Plumbeous Vireo                   | <b>Vireonidae</b><br>Vireos                            | G5  | S3S4B | MBTA                  |  |  |      | 1% | 31%  |  |
|  |  | <b>Species Occurrences verified in these Counties:</b>  |       |                       |  |  |      |    |      |  |

| REPTILES (REPTILIA)                                      |  |  |            |       |      |     |          | 1 SPECIES                        |                                |  |
|--|--|--|------------|-------|------|-----|----------|----------------------------------|--------------------------------|--|
| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT              | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)             | GLOBAL RANK  | STATE RANK | USFWS | USFS | BLM | FWP SWAP | % OF GLOBAL BREEDING RANGE IN MT | % OF MT THAT IS BREEDING RANGE |  |
| <b>Phrynosoma douglasii</b><br>Pygmy Short-horned Lizard | <b>Phrynosomatidae</b><br>Sagebush / Spiny Lizards | G5   | SNA        |       |      |     | SGIN     |                                  |                                |  |
|  |  | <p><b>Species Occurrences verified in these Counties:</b></p> <p><b>State Rank Reason:</b> This species has been documented in Montana one time. Data to assess the conservation status in Montana are not available, and further surveys to determine if the species is present are needed.</p> |            |       |      |     |          |                                  |                                |  |

| FISH (ACTINOPTERYGII)   |  |             |            |       |      |     |          | 5 SPECIES                        |                                |
|---|--|-------------|------------|-------|------|-----|----------|----------------------------------|--------------------------------|
| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT   | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON) | GLOBAL RANK | STATE RANK | USFWS | USFS | BLM | FWP SWAP | % OF GLOBAL BREEDING RANGE IN MT | % OF MT THAT IS BREEDING RANGE |
| <b>Culaea inconstans</b><br>Brook Stickleback   | <b>Gasterosteidae</b><br>Sticklebacks  | G5          | S4         |       |      |     |          |                                  | 27%                            |
| Species Occurrences verified in these Counties:<br>State Rank Reason: The brook stickleback is currently ranked an S4 in Montana and is considered a potential species of concern. While this species is apparently secure, it may be quite rare in parts of its range, and/or suspected to be declining. |  |             |            |       |      |     |          |                                  |                                |
| <b>Hybognathus hankinsoni</b><br>Brassy Minnow  | <b>Cyprinidae</b><br>Minnows           | G5          | S4         |       |      |     |          | 6%                               | 26%                            |
| Species Occurrences verified in these Counties:<br>State Rank Reason: The brassy minnow is currently ranked an S4 in Montana and is considered a potential species of concern. While this species is apparently secure, it may be quite rare in parts of its range, and/or suspected to be declining.     |  |             |            |       |      |     |          |                                  |                                |
| <b>Hybognathus placitus</b><br>Plains Minnow  | <b>Cyprinidae</b><br>Minnows           | G4          | S4         |       |      |     |          | 10%                              | 8%                             |
| Species Occurrences verified in these Counties:<br>State Rank Reason: The plains minnow is currently ranked an S4 in Montana and is considered a potential species of concern. While this species is apparently secure, it may be quite rare in parts of its range, and/or suspected to be declining.     |  |             |            |       |      |     |          |                                  |                                |
| <b>Lota lota</b><br>Burbot  | <b>Gadidae</b><br>Burbot               | G5          | S4         |       |      |     |          | 1%                               | 20%                            |
| Species Occurrences verified in these Counties:<br>State Rank Reason: The burbot is currently ranked an S4 in Montana and is considered a potential species of concern. While this species is apparently secure, it may be quite rare in parts of its range, and/or suspected to be declining.            |  |             |            |       |      |     |          |                                  |                                |
| <b>Semotilus atromaculatus</b><br>Creek Chub  | <b>Cyprinidae</b><br>Minnows           | G5          | S4         |       |      |     |          | 1%                               | 17%                            |
| Species Occurrences verified in these Counties:<br>State Rank Reason: The creek chub is currently ranked an S4 in Montana and is considered a potential species of concern. While this species is apparently secure, it may be quite rare in parts of its range, and/or suspected to be declining.        |  |             |            |       |      |     |          |                                  |                                |

| INVERTEBRATES - INSECTS   |   |             |            |       |      |     |          | 50 SPECIES                       |                                |
|---|---|-------------|------------|-------|------|-----|----------|----------------------------------|--------------------------------|
| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT   | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)                      | GLOBAL RANK | STATE RANK | USFWS | USFS | BLM | FWP SWAP | % OF GLOBAL BREEDING RANGE IN MT | % OF MT THAT IS BREEDING RANGE |
| <b>Grylloblatta campodeiformis</b><br>Northern Rock Crawler   | <b>Grylloblattidae</b><br>Ice Crawlers                      | GNR         | S3S4       |       |      |     |          |                                  |                                |
| Species Occurrences verified in these Counties:<br>State Rank Reason: Only a few records are known from the state, but this is probably due to them being mostly nocturnal and active at temperatures just above freezing.              |   |             |            |       |      |     |          |                                  |                                |
| <b>BEETLES</b>  |   |             |            |       |      |     |          |                                  |                                |
| <b>Cicindela lepida</b><br>Ghost Tiger Beetle   | <b>Cicindelidae</b><br>Tiger Beetles                        | G3G4        | SU         |       |      |     |          |                                  |                                |
| Species Occurrences verified in these Counties:<br>State Rank Reason: Species may occur in Montana but has not been reported to MTNHP. Given the global rank it may be a candidate for inclusion on the state's Species of Concern List |   |             |            |       |      |     |          |                                  |                                |
| <b>Cicindela limbata</b><br>Sandy Tiger Beetle  | <b>Cicindelidae</b><br>Tiger Beetles                        | G5          | SU         |       |      |     |          |                                  |                                |
| Species Occurrences verified in these Counties:<br>State Rank Reason: Species appears to have limited distribution in Montana, but no occurrences are known.  |   |             |            |       |      |     |          |                                  |                                |
| <b>BUTTERFLIES</b>  |   |             |            |       |      |     |          |                                  |                                |
| <b>Apodemia mormo</b><br>Mormon Metalmark   | <b>Riodinidae</b><br>Metalmark Butterflies                  | G5          | S3S5       |       |      |     |          |                                  | 37%                            |
| Species Occurrences verified in these Counties:   |   |             |            |       |      |     |          |                                  |                                |
| <b>Boloria astarte</b><br>Astarte Fritillary  | <b>Nymphalidae</b><br>Brush-footed Butterflies              | G5          | S2S3       |       |      |     |          |                                  | 1%                             |
| Species Occurrences verified in these Counties:   |   |             |            |       |      |     |          |                                  |                                |
| <b>Boloria freija</b><br>Freija Fritillary  | <b>Nymphalidae</b><br>Brush-footed Butterflies              | G5          | S3S5       |       |      |     |          |                                  | 12%                            |
| Species Occurrences verified in these Counties:   |   |             |            |       |      |     |          |                                  |                                |
| <b>Chlosyne whitneyi</b><br>Rockslide Checkerspot   | <b>Nymphalidae</b><br>Brush-footed Butterflies              | G4          | S3S5       |       |      |     |          |                                  | 12%                            |
| Species Occurrences verified in these Counties:   |   |             |            |       |      |     |          |                                  |                                |
| <b>Colias gigantea</b><br>Giant Sulphur   | <b>Pieridae</b><br>Orange-tip / White / Sulphur Butterflies | G5          | S3         |       |      |     |          |                                  | 38%                            |
| Species Occurrences verified in these Counties:   |   |             |            |       |      |     |          |                                  |                                |



|   |   |     |      |  |  |  |  |     |     |
|---|---|-----|------|--|--|--|--|-----|-----|
| <b>Colias nastes</b><br>Labrador Sulphur  | <b>Pieridae</b><br>Orange-tip / White / Sulphur Butterflies | G5  | S2S3 |  |  |  |  |     | 6%  |
| <b>Species Occurrences verified in these Counties:</b>  |   |     |      |  |  |  |  |     |     |
| <b>Erebia callias</b><br>Colorado Alpine  | <b>Nymphalidae</b><br>Brush-footed Butterflies              | G4  | S2S3 |  |  |  |  |     | 5%  |
| <b>Species Occurrences verified in these Counties:</b>  |   |     |      |  |  |  |  |     |     |
| <b>Erebia discoidalis</b><br>Red-disked Alpine  | <b>Nymphalidae</b><br>Brush-footed Butterflies              | G5  | S3S5 |  |  |  |  |     | 11% |
| <b>Species Occurrences verified in these Counties:</b>  |   |     |      |  |  |  |  |     |     |
| <b>Euchloe creusa</b><br>Northern Marble  | <b>Pieridae</b><br>Orange-tip / White / Sulphur Butterflies | G5  | SU   |  |  |  |  |     | 1%  |
| <b>Species Occurrences verified in these Counties:</b>  |   |     |      |  |  |  |  |     |     |
| <b>State Rank Reason:</b> If presence is confirmed in the state, species will likely be added to the SOC list due to limited range and habitat.   |   |     |      |  |  |  |  |     |     |
| <b>Lethe eurydice</b><br>Eyed Brown   | <b>Nymphalidae</b><br>Brush-footed Butterflies              | G5  | S2S3 |  |  |  |  |     | 6%  |
| <b>Species Occurrences verified in these Counties:</b>  |   |     |      |  |  |  |  |     |     |
| <b>Limenitis arthemis</b><br>Red-spotted Admiral  | <b>Nymphalidae</b><br>Brush-footed Butterflies              | G5  | S2S3 |  |  |  |  |     | 47% |
| <b>Species Occurrences verified in these Counties:</b>  |   |     |      |  |  |  |  |     |     |
| <b>Oeneis bore</b><br>White-veined Arctic   | <b>Nymphalidae</b><br>Brush-footed Butterflies              | G5  | S2S3 |  |  |  |  |     | 4%  |
| <b>Species Occurrences verified in these Counties:</b>  |   |     |      |  |  |  |  |     |     |
| <b>Oeneis melissa</b><br>Melissa Arctic   | <b>Nymphalidae</b><br>Brush-footed Butterflies              | G5  | S2S3 |  |  |  |  |     | 12% |
| <b>Species Occurrences verified in these Counties:</b>  |   |     |      |  |  |  |  |     |     |
| <b>Papilio indra</b><br>Indra Swallowtail   | <b>Papilionidae</b><br>Swallowtail Butterflies              | G5? | S2S3 |  |  |  |  |     | 56% |
| <b>Species Occurrences verified in these Counties:</b>  |   |     |      |  |  |  |  |     |     |
| <b>Phyciodes batesii</b><br>Tawny Crescent  | <b>Nymphalidae</b><br>Brush-footed Butterflies              | G5  | S2S3 |  |  |  |  |     | 49% |
| <b>Species Occurrences verified in these Counties:</b>  |   |     |      |  |  |  |  |     |     |
| <b>CADDISFLIES</b>  |   |     |      |  |  |  |  |     |     |
| <b>Agapetus montanus</b><br>An Agapetus Caddisfly   | <b>Glossosomatidae</b><br>Glossosomatid Caddisflies         | G3  | S3   |  |  |  |  | 25% | 39% |
| <b>Species Occurrences verified in these Counties:</b>  |   |     |      |  |  |  |  |     |     |
| <b>State Rank Reason:</b> This Glossosomatid Caddisfly is currently ranked a "S3" Potential Species of Concern in MT and is potentially at risk because of limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable. This species was ranked a species of concern in 2006, but additional occurrence records and range expansions has moved it to the Potential Species of Concern list.                     |   |     |      |  |  |  |  |     |     |
| <b>Sericostriata surdickae</b><br>Northern Rocky Mountains<br>Refugium Caddisfly  | <b>Uenoidae</b><br>Uenoid Caddisflies                       | G3  | S3   |  |  |  |  | 33% | 5%  |
| <b>Species Occurrences verified in these Counties:</b>  |   |     |      |  |  |  |  |     |     |
| <b>State Rank Reason:</b> This Northern Rocky Mountains Refugium Caddisfly is currently ranked a "S3" Potential Species of Concern in MT and is potentially at risk because of limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable. This species was ranked a species of concern in 2006, but additional occurrence records and range expansions has moved it to the Potential Species of Concern list. |   |     |      |  |  |  |  |     |     |
| <b>DAMSELFLIES</b>  |   |     |      |  |  |  |  |     |     |
| <b>Argia alberta</b><br>Paiute Dancer   | <b>Coenagrionidae</b><br>Narrow-winged Damselflies          | G4  | S2S3 |  |  |  |  |     | 64% |
| <b>Species Occurrences verified in these Counties:</b>  |   |     |      |  |  |  |  |     |     |
| <b>State Rank Reason:</b> The Paiute Dancer damselfly is currently listed as an "S2S3" species of potential concern in Montana because they are potentially at risk because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.  |   |     |      |  |  |  |  |     |     |
| <b>Argia emma</b><br>Emma's Dancer  | <b>Coenagrionidae</b><br>Narrow-winged Damselflies          | G5  | S3S5 |  |  |  |  |     | 74% |
| <b>Species Occurrences verified in these Counties:</b>  |   |     |      |  |  |  |  |     |     |
| <b>State Rank Reason:</b> Emma's Dancer damselfly is currently listed as an "S3S5" species of potential concern in Montana because they are potentially at risk because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.  |   |     |      |  |  |  |  |     |     |
| <b>Argia vivida</b><br>Vivid Dancer   | <b>Coenagrionidae</b><br>Narrow-winged Damselflies          | G5  | S3S5 |  |  |  |  | 13% | 89% |
| <b>Species Occurrences verified in these Counties:</b>  |   |     |      |  |  |  |  |     |     |
| <b>Coenagrion angulatum</b><br>Prairie Bluet  | <b>Coenagrionidae</b><br>Narrow-winged Damselflies          | G5  | S1S3 |  |  |  |  | 16% | 32% |
| <b>Species Occurrences verified in these Counties:</b>  |   |     |      |  |  |  |  |     |     |
| <b>State Rank Reason:</b> The Prairie Bluet damselfly is currently listed as an "S1S3" species of potential concern in Montana because they are potentially at risk because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas. This rank is based on limited collections, but is probably more widespread than the rank implies.  |   |     |      |  |  |  |  |     |     |
| <b>Enallagma civile</b><br>Familiar Bluet   | <b>Coenagrionidae</b><br>Narrow-winged Damselflies          | G5  | S2S4 |  |  |  |  |     | 45% |
| <b>Species Occurrences verified in these Counties:</b>  |   |     |      |  |  |  |  |     |     |
| <b>State Rank Reason:</b> The Familiar Bluet damselfly is currently listed as an "S2S4" species of potential concern in Montana because they are potentially at risk because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas. This rank is based on limited collections, but is probably more widespread than the rank implies.   |   |     |      |  |  |  |  |     |     |

|   |  |    |      |  |  |  |  |     |      |
|---|--|----|------|--|--|--|--|-----|------|
| <b>Enallagma clausum</b><br>Alkali Bluet  | <b>Coenagrionidae</b><br>Narrow-winged Damselflies | G5 | S2S4 |  |  |  |  | 17% | 81%  |
| <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Alkali Bluet damselfly is currently listed as an "S2S4" species of potential concern in Montana because they are potentially at risk because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas. This rank is based on limited collections, but is probably more widespread than the rank implies.</p>      |  |    |      |  |  |  |  |     |      |
| <b>Enallagma praevarum</b><br>Arroyo Bluet  | <b>Coenagrionidae</b><br>Narrow-winged Damselflies | G5 | S3S5 |  |  |  |  |     | 42%  |
| <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Arroyo Bluet damselfly is currently listed as an "S3S5" species of potential concern in Montana because they are potentially at risk because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas. This rank was based on limited collections, but this species is more widespread than the rank implies.</p> |  |    |      |  |  |  |  |     |      |
| <b>DRAGONFLIES</b>  |  |    |      |  |  |  |  |     |      |
| <b>Aeshna constricta</b><br>Lance-tipped Darner   | <b>Aeshnidae</b><br>Darner Dragonflies             | G5 | S1S3 |  |  |  |  |     | 100% |
| <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Lance-tipped Darner is currently ranked S1S3 as a "potential species of concern" in Montana because it is potentially at risk of extirpation in the state due to limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.</p>   |  |    |      |  |  |  |  |     |      |
| <b>Aeshna eremita</b><br>Lake Darner  | <b>Aeshnidae</b><br>Darner Dragonflies             | G5 | S3S4 |  |  |  |  |     | 45%  |
| <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Lake Darner is currently ranked S3S4 as a "potential species of concern" in Montana because it is potentially at risk of extirpation in the state due to limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.</p>   |  |    |      |  |  |  |  |     |      |
| <b>Aeshna juncea</b><br>Sedge Darner  | <b>Aeshnidae</b><br>Darner Dragonflies             | G5 | S3S5 |  |  |  |  |     | 32%  |
| <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Sedge Darner is currently ranked S3S5 as a "potential species of concern" in Montana because it is potentially at risk of extirpation in the state, due to limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.</p>   |  |    |      |  |  |  |  |     |      |
| <b>Aeshna sitchensis</b><br>Zigzag Darner   | <b>Aeshnidae</b><br>Darner Dragonflies             | G5 | S2S3 |  |  |  |  |     | 32%  |
| <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Zigzag Darner is currently ranked S2S3 as a "potential species of concern" in Montana because it is potentially at risk of extirpation in the state, due to limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.</p>  |  |    |      |  |  |  |  |     |      |
| <b>Aeshna tuberculifera</b><br>Black-tipped Darner  | <b>Aeshnidae</b><br>Darner Dragonflies             | G5 | S2S4 |  |  |  |  |     | 17%  |
| <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Black-tipped Darner is currently ranked S2S4 as a "potential species of concern" in Montana because it is potentially at risk of extirpation in the state, due to limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.</p>  |  |    |      |  |  |  |  |     |      |
| <b>Arigomphus cornutus</b><br>Horned Clubtail   | <b>Gomphidae</b><br>Clubtail Dragonflies           | G4 | S2S4 |  |  |  |  |     | 6%   |
| <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Horned Clubtail dragonfly is currently listed as an "S2S4" species of potential concern in Montana because they are potentially at risk because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas. This rank is based on limited collections, but is probably more widespread than the rank implies.</p>   |  |    |      |  |  |  |  |     |      |
| <b>Epiptera spinigera</b><br>Spiny Baskettail   | <b>Corduliidae</b><br>Emerald Dragonflies          | G5 | S3S5 |  |  |  |  |     | 18%  |
| <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Spiny Baskettail is currently ranked S3S5 as a "potential species of concern" in Montana because it is potentially at risk of extirpation in the state, due to limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.</p>   |  |    |      |  |  |  |  |     |      |
| <b>Gomphurus externus</b><br>Plains Clubtail  | <b>Gomphidae</b><br>Clubtail Dragonflies           | G5 | S2S4 |  |  |  |  |     | 30%  |
| <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The plains clubtail is currently ranked S2S4 as a "potential species of concern" in Montana because it is potentially at risk of extirpation in the state due to limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.</p>   |  |    |      |  |  |  |  |     |      |
| <b>Ladona julia</b><br>Chalk-fronted Corporal   | <b>Libellulidae</b><br>Skimmer Dragonflies         | G5 | S3S4 |  |  |  |  |     | 16%  |
| <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Chalk-fronted Corporal dragonfly is currently listed as an "S3S4" species of concern in Montana because they are potentially at risk because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.</p>  |  |    |      |  |  |  |  |     |      |
| <b>Leucorrhinia glacialis</b><br>Crimson-ringed Whiteface   | <b>Libellulidae</b><br>Skimmer Dragonflies         | G5 | S3   |  |  |  |  |     | 32%  |
| <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Crimson-ringed Whiteface is currently ranked S3 as a "potential species of concern" in Montana because it is potentially at risk of extirpation in the state, due to limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.</p>   |  |    |      |  |  |  |  |     |      |
| <b>Libellula saturata</b><br>Flame Skimmer  | <b>Libellulidae</b><br>Skimmer Dragonflies         | G5 | S2S4 |  |  |  |  |     | 47%  |
| <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Flame Skimmer dragonfly is currently listed as an "S2S4" species of concern in Montana because they are potentially at risk because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.</p>   |  |    |      |  |  |  |  |     |      |
| <b>Ophiogomphus occidentis</b><br>Sinuous Snaketail   | <b>Gomphidae</b><br>Clubtail Dragonflies           | G5 | S2S4 |  |  |  |  |     | 17%  |

|   |  |  |      |  |  |  |     |      |
|---|--|--|------|--|--|--|-----|------|
|   |  | <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The sinuous snaketail is currently ranked S2S4 as a "potential species of concern" in Montana because it is potentially at risk of extirpation in the state due to limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas. Recent collections are expanding our knowledge and its known distribution in the state (Kohler, pers. comm.)</p>   |      |  |  |  |     |      |
| <b>Phanogomphus graslinellus</b><br>Pronghorn Clubtail                    | <b>Gomphidae</b><br>Clubtail Dragonflies                 | G5   | S3S5 |  |  |  |     | 65%  |
|   |  | <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The pronghorn clubtail is currently ranked S3S5 as a "potential species of concern" in Montana because it is potentially at risk of extirpation in the state due to limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.</p>   |      |  |  |  |     |      |
| <b>Rhionaeschna californica</b><br>California Darner                      | <b>Aeshnidae</b><br>Darner Dragonflies                   | G5   | S3S5 |  |  |  |     | 69%  |
|   |  | <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The California Darner is currently ranked S3S5 as a "potential species of concern" in Montana because it is potentially at risk of extirpation in the state due to limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.</p>  |      |  |  |  |     |      |
| <b>Rhionaeschna multicolor</b><br>Blue-eyed Darner                        | <b>Aeshnidae</b><br>Darner Dragonflies                   | G5   | S2S4 |  |  |  |     | 84%  |
|   |  | <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Blue-eyed Darner is currently ranked S2S4 as a "potential species of concern" in Montana because it is potentially at risk of extirpation in the state, due to limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.</p>  |      |  |  |  |     |      |
| <b>Somatochlora albicincta</b><br>Ringed Emerald                          | <b>Corduliidae</b><br>Emerald Dragonflies                | G5   | S1S3 |  |  |  |     | 19%  |
|   |  | <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Ringed Emerald is currently ranked S1S3 as a "potential species of concern" in Montana because it is potentially at risk of extirpation in the state, due to limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.</p>  |      |  |  |  |     |      |
| <b>Somatochlora hudsonica</b><br>Hudsonian Emerald                        | <b>Corduliidae</b><br>Emerald Dragonflies                | G5   | S2S4 |  |  |  |     | 32%  |
|   |  | <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Hudsonian emerald dragonfly is currently listed as an "S2S4" species of concern in Montana because they are potentially at risk because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.</p>  |      |  |  |  |     |      |
| <b>Somatochlora minor</b><br>Ocellated Emerald                            | <b>Corduliidae</b><br>Emerald Dragonflies                | G5   | S2S4 |  |  |  |     | 56%  |
|   |  | <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Ocellated emerald dragonfly is currently listed as an "S2S4" potential species of concern in Montana because they are potentially at risk because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.</p>  |      |  |  |  |     |      |
| <b>Somatochlora semicircularis</b><br>Mountain Emerald                    | <b>Corduliidae</b><br>Emerald Dragonflies                | G5   | S3S5 |  |  |  |     | 32%  |
|   |  | <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Mountain Emerald is currently ranked S3S5 as a "potential species of concern" in Montana because it is potentially at risk of extirpation in the state, due to limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas.</p>  |      |  |  |  |     |      |
| <b>Sympetrum madidum</b><br>Red-veined Meadowhawk                         | <b>Libellulidae</b><br>Skimmer Dragonflies               | G5   | S2S3 |  |  |  |     | 100% |
|   |  | <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Red-veined Meadowhawk dragonfly is currently listed as an "S2S3" species of concern in Montana because they are potentially at risk because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas. The extension of their range into eastern Montana will likely remove this species from the list with a new status review.</p>  |      |  |  |  |     |      |
| <b>MAYFLIES</b>   |  |  |      |  |  |  |     |      |
| <b>Anaetris eximia</b><br>A Sand-dwelling Mayfly                          | <b>Acanthametropodidae</b><br>Acanthametropodid Mayflies | G3   | S3   |  |  |  |     |      |
|   |  | <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> This sand-dwelling mayfly is currently ranked S3 as a "potential species of concern" in Montana because is potentially at risk of extirpation in the state due to limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas. The specialized habitat this species requires in prairie rivers has been lost with the damming and diverting of our large prairie rivers such as the Bighorn, Tongue, Milk and Marias.</p>  |      |  |  |  |     |      |
| <b>Caudatella edmundsi</b><br>Northern Rocky Mountains<br>Refugium Mayfly | <b>Ephemerellidae</b><br>Ephemerellid Mayflies           | G4   | S3   |  |  |  | 25% | 10%  |
|   |  | <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> This NRM mayfly is currently ranked S3 as a "potential species of concern" in Montana because it is potentially at risk of extirpation in the state due to limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas. This species was taken off the SOC list in 2011 after targeted habitat sampling found many more occurrences and we have determined that they are fairly wide-ranging in the western portion of the state, but still worthy of being watched for future declines.</p>   |      |  |  |  |     |      |
| <b>STONEFLIES</b>   |  |  |      |  |  |  |     |      |
| <b>Bolshecapnia missiona</b><br>Mission Mountains Snowfly                 | <b>Capniidae</b><br>Small Winter Stoneflies              | G2   | S3S4 |  |  |  |     |      |
|   |  | <p><b>Species Occurrences verified in these Counties:</b><br/> <b>State Rank Reason:</b> The Mission Mtn Stonefly is currently listed as an "SNR" species of potential concern in Montana because they are potentially at risk because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas. This rank is based on limited collections, but is probably more widespread than the rank implies. This species is currently known from only about a half dozen creeks in Flathead, Lake and Missoula Counties, all in Montana (Baumann and Potter 2007, Newell et al. 2008).</p> |      |  |  |  |     |      |

| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT  | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)       | GLOBAL<br>RANK | STATE<br>RANK | USFWS | USFS | BLM | FWP SWAP | % OF GLOBAL<br>BREEDING RANGE IN<br>MT | % OF MT THAT IS<br>BREEDING RANGE |
|--|--|----------------|---------------|-------|------|-----|----------|--|-----------------------------------|
| <b>Fluminicola fuscus</b><br>Columbia Pebblesnail  | <b>Hydrobiidae</b><br>Arnicolas / Dusksnails | G2             | SH            |       |      |     |          |  |                                   |
| Species Occurrences verified in these Counties:  |  |                |               |       |      |     |          |  |                                   |
| <b>Radiodiscus abietum</b><br>Fir Pinwheel   | <b>Charopidae</b><br>Pinwheels               | G4             | S3S4          |       |      |     |          |  | 8%                                |
| Species Occurrences verified in these Counties:  |  |                |               |       |      |     |          |  |                                   |
| <b>Valvata tricarinata</b><br>Threeridge Valvata   | <b>Valvatidae</b><br>Valvatas                | G5             | S2S3          |       |      |     |          |  | 1%                                |
| Species Occurrences verified in these Counties:<br>State Rank Reason: The Three-ridge valvata is currently ranked a "S2S3" Potential Species of Concern in MT and is potentially at risk because of limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable. Known occurrences in Montana are widely disjunct. |  |                |               |       |      |     |          |  |                                   |

**INVERTEBRATES - OTHER**

**4 SPECIES**

| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT   | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)         | GLOBAL<br>RANK | STATE<br>RANK | USFWS | USFS | BLM | FWP SWAP | % OF GLOBAL<br>BREEDING RANGE IN<br>MT | % OF MT THAT IS<br>BREEDING RANGE |
|---|--|----------------|---------------|-------|------|-----|----------|--|-----------------------------------|
| <b>FRESHWATER SPONGES</b>   |  |                |               |       |      |     |          |  |                                   |
| <b>Heteromeyenia baileyi</b><br>A Freshwater Sponge   | <b>Spongillidae</b><br>Freshwater Sponges      | G5             | S1S3          |       |      |     |          |  |                                   |
| Species Occurrences verified in these Counties:<br>State Rank Reason: This Freshwater Sponge is currently ranked a "S1S3" Potential Species of Concern in MT and is potentially at risk because of limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable. Known occurrences in Montana are limited to one lake in Lincoln County. |  |                |               |       |      |     |          |  |                                   |
| <b>MILLIPEDES</b>   |  |                |               |       |      |     |          |  |                                   |
| <b>Endopus parvipes</b><br>A Millipede  | <b>Conotylidae</b><br>Conotylid Millipedes     | GHQ            | SNR           |       |      |     |          | 100%                                   |                                   |
| Species Occurrences verified in these Counties:<br>State Rank Reason: The status of this species is uncertain due to a lack of data and taxonomic uncertainty   |  |                |               |       |      |     |          |  |                                   |
| <b>Lophomus laxus</b><br>A Millipede  | <b>Conotylidae</b><br>Conotylid Millipedes     | GH             | SNR           |       |      |     |          | 100%                                   |                                   |
| Species Occurrences verified in these Counties:<br>State Rank Reason: This endemic species has recieved little survey effort in recent years and status is uncertain due to lack of data.   |  |                |               |       |      |     |          |  |                                   |
| <b>Orophe cabinetus</b><br>A Millipede  | <b>Xystodesmidae</b><br>Xystodesmid Millipedes | GH             | SNR           |       |      |     |          | 100%                                   |                                   |
| Species Occurrences verified in these Counties:   |  |                |               |       |      |     |          |  |                                   |

## Special Status Species

59 Species

All Records (no filtering)

| BIRDS (AVES)   |   |             |            |             |  |            |          |                                  | 2 SPECIES                      |
|--|---|-------------|------------|-------------|--|------------|----------|----------------------------------|--------------------------------|
| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT  | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)        | GLOBAL RANK | STATE RANK | USFWS       | USFS   | BLM        | FWP SWAP | % OF GLOBAL BREEDING RANGE IN MT | % OF MT THAT IS BREEDING RANGE |
| <b>Calidris canutus</b><br>Red Knot  | <b>Scolopacidae</b><br>Sandpipers             | G4          | SNA        | LT; MBTA    |  | THREATENED |          | 0%                               | 0%                             |
| Species Occurrences verified in these Counties: Cascade, Chouteau, Phillips, Teton   |   |             |            |             |  |            |          |                                  |                                |
| <b>Haliaeetus leucocephalus</b><br>Bald Eagle  | <b>Accipitridae</b><br>Hawks / Kites / Eagles | G5          | S4         | BGEPA; MBTA | Sensitive - Known in Forests (BD, BRT, KOOT, LOLO) | SENSITIVE  |          | 2%                               | 100%                           |
| Species Occurrences verified in these Counties: Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Dawson, Deer Lodge, Fallon, Fergus, Flathead, Gallatin, Garfield, Glacier, Golden Valley, Granite, Hill, Jefferson, Judith Basin, Lake, Lewis and Clark, Liberty, Lincoln, Madison, Mccone, Meagher, Mineral, Missoula, Musselshell, Park, Petroleum, Phillips, Pondera, Powder River, Powell, Prairie, Ravalli, Richland, Roosevelt, Rosebud, Sanders, Silver Bow, Stillwater, Sweet Grass, Teton, Toole, Treasure, Valley, Wheatland, Wibaux, Yellowstone |   |             |            |             |  |            |          |                                  |                                |
| State Rank Reason: Populations numbers have steadily increased since the 1980s and breeding pairs now occupy a high percentage of suitable habitat across the state. However the species is still protected under the Bald and Golden Eagle Protection Act of 1940.  |   |             |            |             |  |            |          |                                  |                                |

| INVERTEBRATES - INSECTS  |  |             |            |       |      |     |          |                                  | 43 SPECIES                     |
|--|--|-------------|------------|-------|------|-----|----------|----------------------------------|--------------------------------|
| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT                    | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)         | GLOBAL RANK | STATE RANK | USFWS | USFS | BLM | FWP SWAP | % OF GLOBAL BREEDING RANGE IN MT | % OF MT THAT IS BREEDING RANGE |
| <b>Acalypta cooleyi</b><br>Cooley's Tingid                     | <b>Tingidae</b><br>(Tingidae)                  | G2          | SNR        |       |      |     |          |                                  |                                |
| Species Occurrences verified in these Counties:                |  |             |            |       |      |     |          |                                  |                                |
| <b>Acronicta falcata</b><br>Corylus Dagger Moth                | <b>Noctuidae</b><br>Owlet Moths / Miller Moths | G2G4        | SNR        |       |      |     |          |                                  |                                |
| Species Occurrences verified in these Counties:                |  |             |            |       |      |     |          |                                  |                                |
| <b>Argiacris rehni</b><br>Rehn's Slow Grasshopper              | <b>Acrididae</b><br>Short-horned Grasshoppers  | G2G3        | SNR        |       |      |     |          |                                  |                                |
| Species Occurrences verified in these Counties: Park           |  |             |            |       |      |     |          |                                  |                                |
| <b>Megachile dakotensis</b><br>A Leafcutter Bee                | <b>Megachilidae</b><br>(Megachilidae)          | G2G3        | SNR        |       |      |     |          |                                  |                                |
| Species Occurrences verified in these Counties:                |  |             |            |       |      |     |          |                                  |                                |
| <b>Megachile fortis</b><br>Robust Sunflower Leafcutter Bee     | <b>Megachilidae</b><br>(Megachilidae)          | G2          | SNR        |       |      |     |          |                                  |                                |
| Species Occurrences verified in these Counties:                |  |             |            |       |      |     |          |                                  |                                |
| <b>Melanoplus knowlesi</b><br>Knowles' Spur-throat Grasshopper | <b>Acrididae</b><br>Short-horned Grasshoppers  | G1G2        | SNR        |       |      |     |          |                                  |                                |
| Species Occurrences verified in these Counties: Missoula       |  |             |            |       |      |     |          |                                  |                                |
| <b>Melanoplus lanthanus</b><br>A Spur-throat Grasshopper       | <b>Acrididae</b><br>Short-horned Grasshoppers  | G1G3        | SNR        |       |      |     |          |                                  |                                |
| Species Occurrences verified in these Counties: Carbon         |  |             |            |       |      |     |          |                                  |                                |
| <b>Melanoplus picropidzae</b><br>A Spur-throat Grasshopper     | <b>Acrididae</b><br>Short-horned Grasshoppers  | G1G3        | SNR        |       |      |     |          |                                  |                                |
| Species Occurrences verified in these Counties:                |  |             |            |       |      |     |          |                                  |                                |
| <b>Osmia austromaritima</b><br>Hurd's Mason Bee                | <b>Megachilidae</b><br>(Megachilidae)          | G2G4        | SNR        |       |      |     |          |                                  |                                |
| Species Occurrences verified in these Counties: Missoula       |  |             |            |       |      |     |          |                                  |                                |
| <b>Osmia odontogaster</b><br>Tooth-bellied Mason Bee           | <b>Megachilidae</b><br>(Megachilidae)          | G2G3        | SNR        |       |      |     |          |                                  |                                |
| Species Occurrences verified in these Counties: Chouteau       |  |             |            |       |      |     |          |                                  |                                |
| <b>Osmia pulsatillae</b><br>Pasqueflower Mason Bee             | <b>Megachilidae</b><br>(Megachilidae)          | G2G3        | SNR        |       |      |     |          |                                  |                                |
| Species Occurrences verified in these Counties:                |  |             |            |       |      |     |          |                                  |                                |
| <b>Osmia sanctaerosae</b><br>A Mason Bee                       | <b>Megachilidae</b><br>(Megachilidae)          | G2G3        | SNR        |       |      |     |          |                                  |                                |
| Species Occurrences verified in these Counties:                |  |             |            |       |      |     |          |                                  |                                |
| <b>Pronotocrepis clavicornis</b><br>Thick-antennaed Plant Bug  | <b>Miridae</b><br>(Miridae)                    | G2          | SNR        |       |      |     |          |                                  |                                |
| Species Occurrences verified in these Counties:                |  |             |            |       |      |     |          |                                  |                                |

| BUTTERFLIES   |  |  |      |  |  |  |  |  |  |
|---|--|--|------|--|--|--|--|--|--|
| <b>Atrytone arogos iowa</b><br>Iowa Skipper               | <b>Hesperiidae</b><br>Skipper Butterflies                  | G2G3T2T3   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties:  |      |  |  |  |  |  |  |
| <b>Celastrina humulus</b><br>Hops Azure                   | <b>Lycaenidae</b><br>Gossamerwing / Hairstreak Butterflies | G2G3   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties:  |      |  |  |  |  |  |  |
| CADDISFLIES   |  |  |      |  |  |  |  |  |  |
| <b>Allomyia hector</b><br>A Caddisfly                     | <b>Apataniidae</b><br>Apataniid Caddisflies                | G1G2   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties: Flathead   |      |  |  |  |  |  |  |
| <b>Allomyia picoides</b><br>Woodpecker Mountain Caddisfly | <b>Apataniidae</b><br>Apataniid Caddisflies                | G1G3   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties:  |      |  |  |  |  |  |  |
| <b>Apatania comosa</b><br>A Caddisfly                     | <b>Apataniidae</b><br>Apataniid Caddisflies                | G2G3   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties:  |      |  |  |  |  |  |  |
| <b>Asynarchus circopa</b><br>A Caddisfly                  | <b>Limnephilidae</b><br>Northern Caddisflies               | G2G4   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties:  |      |  |  |  |  |  |  |
| <b>Glossosoma idaho</b><br>A Caddisfly                    | <b>Glossosomatidae</b><br>Glossosomatid Caddisflies        | G2G3   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties:  |      |  |  |  |  |  |  |
| <b>Lepidostoma apornum</b><br>A Caddisfly                 | <b>Lepidostomatidae</b><br>Lepidostomatid Caddisflies      | G2G4   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties:  |      |  |  |  |  |  |  |
| <b>Lepidostoma knulli</b><br>A Caddisfly                  | <b>Lepidostomatidae</b><br>Lepidostomatid Caddisflies      | G2G3   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties:  |      |  |  |  |  |  |  |
| <b>Limnephilus sylviae</b><br>Sylvia's Northern Caddisfly | <b>Limnephilidae</b><br>Northern Caddisflies               | G2G4   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties:  |      |  |  |  |  |  |  |
| <b>Neophylax sinuatus</b><br>A Caddisfly                  | <b>Uenoidae</b><br>Uenoid Caddisflies                      | G1G3   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties:  |      |  |  |  |  |  |  |
| <b>Neotrichia ersitis</b><br>A Caddisfly                  | <b>Hydroptilidae</b><br>Micro-caddisflies                  | G1G3   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties:  |      |  |  |  |  |  |  |
| <b>Philocasca antennata</b><br>A Caddisfly                | <b>Limnephilidae</b><br>Northern Caddisflies               | G1G3   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties:  |      |  |  |  |  |  |  |
| <b>Rhyacophila betteni</b><br>A Caddisfly                 | <b>Rhyacophilidae</b><br>Primitive Caddisflies             | G2G4   | S3S4 |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties: Beaverhead, Cascade, Granite, Lincoln, Meagher, Mineral, Missoula, Powell, Ravalli<br>State Rank Reason: Species is found across western and central Montana in in montane streams. May be locally uncommon, but further surveys are needed to refine status.  |      |  |  |  |  |  |  |
| <b>Rhyacophila donaldi</b><br>A Rhyacophilan Caddisfly    | <b>Rhyacophilidae</b><br>Primitive Caddisflies             | G2G3   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties:  |      |  |  |  |  |  |  |
| <b>Rhyacophila kernada</b><br>A Rhyacophilan Caddisfly    | <b>Rhyacophilidae</b><br>Primitive Caddisflies             | G2G4   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties:  |      |  |  |  |  |  |  |
| <b>Rhyacophila ophrys</b><br>A Rhyacophilan Caddisfly     | <b>Rhyacophilidae</b><br>Primitive Caddisflies             | G1G3   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties: Flathead, Glacier  |      |  |  |  |  |  |  |
| <b>Rhyacophila oreia</b><br>A Rhyacophilan Caddisfly      | <b>Rhyacophilidae</b><br>Primitive Caddisflies             | G2   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties: Meagher<br>State Rank Reason: This Rhyacophilan Caddisfly is currently ranked a "SNR" a Potential Species of Concern in MT and at risk because of very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to extirpation in the state. Limited sites with small populations, and the species is difficult to identify without adult specimens. Only 2 records exist for Montana |      |  |  |  |  |  |  |
| <b>Rhyacophila robusta</b><br>A Rhyacophilan Caddisfly    | <b>Rhyacophilidae</b><br>Primitive Caddisflies             | G2G3   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties:  |      |  |  |  |  |  |  |
| MAYFLIES  |  |  |      |  |  |  |  |  |  |
| <b>Baetis piscatoris</b><br>A Small Minnow Mayfly         | <b>Baetidae</b><br>Baetid Mayflies                         | G2G3   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties:  |      |  |  |  |  |  |  |
| <b>Baetisca columbiana</b><br>A Mayfly                    | <b>Baetiscidae</b>   | G2G4   | SNR  |  |  |  |  |  |  |
|   |  | Species Occurrences verified in these Counties: Sanders  |      |  |  |  |  |  |  |



|   |  |      |     |  |  |  |  |  |  |
|---|--|------|-----|--|--|--|--|--|--|
| <b>Cinygmula gartrelli</b><br>A Mayfly  | <b>Heptageniidae</b><br>Heptageniid Mayflies   | G2G3 | SNR |  |  |  |  |  |  |
| Species Occurrences verified in these Counties: Gallatin, Lincoln   |  |      |     |  |  |  |  |  |  |
| <b>Cinygmula kootenai</b><br>Kootenay Flat-headed Mayfly  | <b>Heptageniidae</b><br>Heptageniid Mayflies   | G1G3 | SNR |  |  |  |  |  |  |
| Species Occurrences verified in these Counties: Gallatin  |  |      |     |  |  |  |  |  |  |
| <b>Ephemerella velmae</b><br>A Mayfly   | <b>Ephemerellidae</b><br>Ephemerellid Mayflies | G2   | SNA |  |  |  |  |  |  |
| Species Occurrences verified in these Counties:   |  |      |     |  |  |  |  |  |  |
| <b>Ephemerella verruca</b><br>A Mayfly  | <b>Ephemerellidae</b><br>Ephemerellid Mayflies | G2G3 | SNA |  |  |  |  |  |  |
| Species Occurrences verified in these Counties:   |  |      |     |  |  |  |  |  |  |
| <b>Heptagenia whitingi</b><br>A Mayfly  | <b>Heptageniidae</b><br>Heptageniid Mayflies   | G2G3 | SNR |  |  |  |  |  |  |
| Species Occurrences verified in these Counties: Blaine, Dawson  |  |      |     |  |  |  |  |  |  |
| <b>Iswaeon rubrolaterale</b><br>A Mayfly  | <b>Baetidae</b><br>Baetid Mayflies             | G2   | SNR |  |  |  |  |  |  |
| Species Occurrences verified in these Counties:   |  |      |     |  |  |  |  |  |  |
| <b>Leucrocota petersi</b><br>A Mayfly   | <b>Heptageniidae</b><br>Heptageniid Mayflies   | G2G3 | SNR |  |  |  |  |  |  |
| Species Occurrences verified in these Counties: Big Horn, Chouteau, Custer, Dawson, Fergus, Golden Valley, Mccone, Musselshell, Phillips, Powder River, Prairie, Richland, Roosevelt, Rosebud, Valley |  |      |     |  |  |  |  |  |  |
| <b>Siphonurus autumnalis</b><br>A Mayfly  | <b>Siphonuridae</b><br>Siphonurid Mayflies     | G2G4 | SNR |  |  |  |  |  |  |
| Species Occurrences verified in these Counties: Flathead, Gallatin  |  |      |     |  |  |  |  |  |  |
| <b>STONEFLIES</b>   |  |      |     |  |  |  |  |  |  |
| <b>Megaleuctra stigmata</b><br>Giant Needlfly   | <b>Leuctridae</b><br>Rolled-winged Stoneflies  | G2G3 | SNR |  |  |  |  |  |  |
| Species Occurrences verified in these Counties: Lake  |  |      |     |  |  |  |  |  |  |

| INVERTEBRATES - MOLLUSKS   |  |             |            |       |      |     |          |                                  |                                | 13 SPECIES |
|--|--|-------------|------------|-------|------|-----|----------|----------------------------------|--------------------------------|------------|
| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT  | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)       | GLOBAL RANK | STATE RANK | USFWS | USFS | BLM | FWP SWAP | % OF GLOBAL BREEDING RANGE IN MT | % OF MT THAT IS BREEDING RANGE |            |
| <b>Amnicola sp. 2</b><br>Lake Amnicola   | <b>Hydrobiidae</b><br>Amnicolas / Dusksnails | G1          | SNR        |       |      |     |          |                                  |                                |            |
| Species Occurrences verified in these Counties:<br>State Rank Reason: Currently only known from 1 lake in NW Montana and potentially an introduced population, but further inventories need to be conducted to confirm it's true rarity or just lack of surveys.                           |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Anodonta nuttalliana</b><br>Winged Floater  | <b>Unionidae</b><br>Unionid Mussels          | G2G3Q       | SNR        |       |      |     |          |                                  |                                |            |
| Species Occurrences verified in these Counties:  |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Oreohelix sp. 10</b><br>Missoula Mountainsnail  | <b>Oreohelicidae</b><br>Mountain Snails      | G1G3Q       | S1S3       |       |      |     |          |                                  |                                |            |
| Species Occurrences verified in these Counties:  |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Oreohelix sp. 11</b><br>Subcarinate Mountainsnail   | <b>Oreohelicidae</b><br>Mountain Snails      | G1Q         | S1         |       |      |     |          |                                  |                                |            |
| Species Occurrences verified in these Counties:  |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Oreohelix sp. 3</b><br>Bearthmouth Mountainsnail  | <b>Oreohelicidae</b><br>Mountain Snails      | G1G2Q       | SU         |       |      |     |          |                                  |                                |            |
| Species Occurrences verified in these Counties:<br>State Rank Reason: Taxonomy of some Oreohelix species remains unresolved, including this species. Species also lacks recent observations and other data used to assess rank. Until these issues are resolved the species is unrankable. |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Oreohelix sp. 31</b><br>Byrne Resort Mountainsnail  | <b>Oreohelicidae</b><br>Mountain Snails      | G1G2Q       | S1S2       |       |      |     |          |                                  |                                |            |
| Species Occurrences verified in these Counties:  |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Oreohelix sp. 4</b><br>Drummond Mountainsnail   | <b>Oreohelicidae</b><br>Mountain Snails      | G1Q         | SU         |       |      |     |          |                                  |                                |            |
| Species Occurrences verified in these Counties:<br>State Rank Reason: Taxonomy of some Oreohelix species remains unresolved, including this species. Species also lacks recent observations and other data used to assess rank. Until these issues are resolved the species is unrankable. |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Oreohelix sp. 5</b><br>Brunson Mountainsnail  | <b>Oreohelicidae</b><br>Mountain Snails      | G1G2Q       | SU         |       |      |     |          |                                  |                                |            |
| Species Occurrences verified in these Counties:<br>State Rank Reason: Taxonomy of some Oreohelix species remains unresolved, including this species. Species also lacks recent observations and other data used to assess rank. Until these issues are resolved the species is unrankable. |  |             |            |       |      |     |          |                                  |                                |            |
| <b>Oreohelix sp. 6</b><br>Kintla Lake Mountainsnail  | <b>Oreohelicidae</b><br>Mountain Snails      | G1Q         | SU         |       |      |     |          |                                  |                                |            |

|   |  |  |      |  |  |  |  |  |
|---|--|--|------|--|--|--|--|--|
|   |  | <b>Species Occurrences verified in these Counties:</b><br><b>State Rank Reason:</b> Taxonomy of some Oreohelix species remains unresolved, including this species. Species also lacks recent observations and other data used to assess rank. Until these issues are resolved the species is unrankable. |      |  |  |  |  |  |
| <b>Oreohelix sp. 7</b><br>Kitchen Creek Mountainsnail     | <b>Oreohelicidae</b><br>Mountain Snails      | G1G2Q  | SU   |  |  |  |  |  |
|   |  | <b>Species Occurrences verified in these Counties:</b><br><b>State Rank Reason:</b> Taxonomy of some Oreohelix species remains unresolved, including this species. Species also lacks recent observations and other data used to assess rank. Until these issues are resolved the species is unrankable. |      |  |  |  |  |  |
| <b>Oxyloma missoula</b><br>Ninepipes Ambersnail           | <b>Succineidae</b><br>Ambersnails            | G2G4   | S3S4 |  |  |  |  |  |
|   |  | <b>Species Occurrences verified in these Counties:</b> Flathead, Lake, Lincoln, Park, Sanders, Teton<br><b>State Rank Reason:</b> Species is found across most of western and central Montana in suitable habitat. May be locally rare or uncommon, but more surveys are needed to confirm status.       |      |  |  |  |  |  |
| <b>Physella zionis</b><br>Wet-rock Physa                  | <b>Physidae</b><br>Physas                    | G1   | SNR  |  |  |  |  |  |
|   |  | <b>Species Occurrences verified in these Counties:</b> Carbon  |      |  |  |  |  |  |
| <b>Sphaerium patella</b><br>Rocky Mountain Fingernailclam | <b>Sphaeriidae</b><br>Fingerclams / Peaclams | G2G3   | SNA  |  |  |  |  |  |
|   |  | <b>Species Occurrences verified in these Counties:</b>   |      |  |  |  |  |  |

| INVERTEBRATES - OTHER                                |  |  |            |       |      |     |          | 1 SPECIES                        |                                |
|--|--|--|------------|-------|------|-----|----------|----------------------------------|--------------------------------|
| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT          | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON) | GLOBAL RANK  | STATE RANK | USFWS | USFS | BLM | FWP SWAP | % OF GLOBAL BREEDING RANGE IN MT | % OF MT THAT IS BREEDING RANGE |
| <b>Lepidurus bilobatus</b><br>Bilobed Tadpole Shrimp | <b>Triopsidae</b><br>Fairy shrimp      | G2G3   | SNR        |       |      |     |          |                                  |                                |
|  |  | <b>Species Occurrences verified in these Counties:</b> Glacier |            |       |      |     |          |                                  |                                |

**This section is not Filtered**

| ADDITIONS TO STATEWIDE LIST                                   |            |  |
|---|------------|--|
| SPECIES   | DATE       | NOTES  |
| <b>Chaetodipus hispidus</b><br>Hispid Pocket Mouse            | 3/1/2022   | Surveys of previously occupied sites did not detect the species. Declines likely   |
| <b>Myotis evotis</b><br>Long-eared Myotis                     | 2/19/2021  | Recent review of the ranking criteria have suggested that a rank of S3 may be more appropriate due to increased threats from WNS. Since last review the species has been shown to exhibit symptomatic WNS when exposed to Pd and warranting an increased threat rank and inclusion on the SOC list due to potential impacts on statewide populations.  |
| <b>Myotis volans</b><br>Long-legged Myotis                    | 2/19/2021  | Recent review of the ranking criteria have suggested that a rank of S3 may be more appropriate due to increased threats from WNS. Since last review the species has been shown to exhibit symptomatic WNS when exposed to Pd and warranting an increased threat rank and inclusion on the SOC list due to potential impacts on statewide populations.  |
| <b>Danaus plexippus</b><br>Monarch                            | 2/19/2021  | In December 2020, US Fish and Wildlife Service species status assessment for the Monarch Butterfly was released ( <a href="https://www.fws.gov/savethemonarch/pdfs/Monarch-SSA-report.pdf">https://www.fws.gov/savethemonarch/pdfs/Monarch-SSA-report.pdf</a> ). This status assessment includes data on both the eastern and western North American populations of the species and provides data to rank the species within Montana. After review of the statewide distribution and habitat as well as projected trend for the populations that occur in the state the species rank was lowered from S4 to S2S3 to reflect ongoing declines and the high probability of extinction of the western population by 2050. |
| <b>Atrytone arogos</b><br>Arogos Skipper                      | 4/16/2020  | Species added to the SOC list because it is globally rare/ threatened (G2G3). More information is needed to refine state rank.   |
| <b>Celastrina humulus</b><br>Hops Azure                       | 4/16/2020  | Species added to the SOC list because it is globally rare/ threatened (G2G3). More information is needed to refine state rank.   |
| <b>Fisherola nuttalli</b><br>Shortface Lanx                   | 10/31/2019 | Based on repeated surveys of historic habitat this species appears to be declining precipitously and is at great risk of extirpation within Montana due to ongoing threats to persistence of the population isolated by damming of the Clark Fork River. Rank of SH inappropriate, updated to numeric rank as species is present in the state.   |
| <b>Lasiurus borealis</b><br>Eastern Red Bat                   | 9/25/2018  | Recent surveys using acoustic detectors have shown this species to be present across much of central and eastern Montana during the summer and fall. Tree roosting bat species, including the Eastern Red Bat, are commonly killed at wind farms, which presents a substantial threat to the long-term viability of populations within the state.  |
| <b>Myotis yumanensis</b><br>Yuma Myotis                       | 9/25/2018  | In Montana populations of this species are believed to be stable. However, the threat of catastrophic decline from White-Nose Syndrome, a fungal disease of bats responsible for the deaths of millions of individuals of closely related species in other areas, presents a treat of substantial declines within the state. Recent observations from Washington have confirmed the susceptibility of this species to WNS infection.   |
| <b>Myotis septentrionalis</b><br>Northern Myotis              | 9/24/2018  | Recent survey efforts have established year-round presence of the species in Montana, and have provided enough data to assign a status rank.   |
| <b>Hemphillia skadei</b><br>Skade's Jumping-slug              | 6/7/2018   | Species newly discovered in the state. Only a single occurrence is known in Montana from the western portion of the Cabinet Mountains. Habitat is limited to forested areas with cooler temperatures.  |
| <b>Pyrgulopsis blainica</b><br>Blaine Pyrg                    | 5/3/2016   | Species is endemic to Montana and is only found in the outflow from one spring in Madison County.  |
| <b>Cryptomastix sanburni</b><br>Kingston Oregonian            | 5/3/2016   | Species is endemic to far western Montana and Idaho. There are no recent collections.  |
| <b>Pristiloma idahoense</b><br>Thinlip Tightcoil              | 4/26/2016  | Recently discovered in Montana. Lack of detection in recent broadscale terrestrial mollusk surveys indicates its rarity in Montana and the species is globally rare.   |
| <b>Myotis lucifugus</b><br>Little Brown Myotis                | 4/21/2014  | State risk upgraded from S4 to S3 because global risk was upgraded to G3 by NatureServe; state risk cannot be more secure than global risk.  |
| <b>Cicindela arenicola</b><br>Saint Anthony Dune Tiger Beetle | 10/7/2013  | Species risk evaluated at S1S2 as a result of its global rarity and recently detected occupancy of isolated suitable habitat in the Centennial Sandhills of southwest Montana.   |
| <b>Sorex eximius</b><br>Western Pygmy Shrew                   | 5/10/2013  | Risk evaluated at S3 due to apparent rarity and intrinsic vulnerability.   |
| <b>Coccothraustes vespertinus</b><br>Evening Grosbeak         | 4/17/2012  | Risk evaluated at S3 because populations in Montana and across the Northern Rockies have undergone significant recent declines.  |
| <b>Pipilo chlorurus</b><br>Green-tailed Towhee                | 4/17/2012  | Risk evaluated at S3 because populations in Montana and across the Northern Rockies have undergone recent declines.  |
| <b>Surnia ulula</b><br>Northern Hawk Owl                      | 4/17/2012  | Risk evaluated at S3 because species has a small population and limited distribution in Montana.   |
| <b>Ixoreus naevius</b><br>Varied Thrush                       | 4/17/2012  | Risk evaluated at S3 because species has undergone recent population declines in Montana and across the Northern Rockies and faces threats from fire, insect outbreak, and timber harvest related to climate change.   |
| <b>Canis lupus</b><br>Gray Wolf                               | 8/5/2010   | On 8/5/2010 a judge in U.S. district court reversed the U.S. Fish and Wildlife Service's decision to delist, thereby placing them back on the Endangered Species List. The species was added back onto the Montana Species of Concern List despite its S4 ranking in order to make this federal status information available on environmental reviews.   |
| <b>Myoxocephalus thompsonii</b><br>Deepwater Sculpin          | 4/8/2010   | Risk evaluated at S3 due to extremely restricted distribution. This species occupies <=5% of Montana.  |
| <b>Etheostoma exile</b><br>Iowa Darter                        | 4/8/2010   | Risk evaluated at S3 due primarily to restricted distribution. Montana populations also face threats from introductions of Northern Pike and intensive agriculture and grazing.  |

**ADDITIONS TO STATEWIDE LIST**

| SPECIES   | DATE      | NOTES   |
|---|-----------|---|
| <b>Chrosomus eos</b><br>Northern Redbelly Dace                        | 4/8/2010  | Risk evaluated at S3 due to declining population trends that appear to be linked to the introduction of Northern Pike. Intensive agriculture and grazing also represent threats to the species.   |
| <b>Prosopium coulterii</b><br>Pygmy Whitefish                         | 4/8/2010  | Risk evaluated at S3 due to restricted and disjunct distribution. This species occupies <=5% of Montana.  |
| <b>Tympanuchus phasianellus</b><br>Sharp-tailed Grouse                | 2/26/2010 | A recent genetic study indicates that populations formerly found west of the Continental Divide were more appropriately recognized as the same subspecies of Sharp-tailed Grouse found across eastern Montana rather than Columbian Sharp-tailed Grouse. Therefore, populations of Sharp-tailed Grouse ( <i>Tympanuchus phasianellus</i> ) west of the Continental Divide are a Species of Concern with a state rank of S1 and populations east of the Continental Divide have a state rank of S4 and are not a Species of Concern. |
| <b>Grylloblatta campodeiformis</b><br>Northern Rock Crawler           | 2/1/2010  | Species recently identified as occurring in the state. State risk assessed at S3S4 because the species is listed by Jarvis and Whiting (2006) as having near Threatened status by IUCN standards, but yet assessed by IUCN.   |
| <b>Oreohelix haydeni</b><br>Lyrate Mountainsnail                      | 1/7/2010  | Species recently identified as occurring in the state during the course of a literature review. State risk assessed at S13 because Montana only represents a portion of the species' range and its global risk is rated at G23 by NatureServe.  |
| <b>Oreohelix pygmaea</b><br>Pygmy Mountainsnail                       | 1/7/2010  | Species recently identified as occurring in the state during the course of a literature review. State risk assessed at S1 because its global risk is rated at G1 by NatureServe.  |
| <b>Fluminicola fuscus</b><br>Columbia Pebblesnail                     | 8/3/2009  | Assessed at SH (historic) because although species has no recent records surveys have not been performed to rule out their ongoing presence.  |
| <b>Coccyzus erythrophthalmus</b><br>Black-billed Cuckoo               | 5/1/2009  | Risk upgraded from S3S4 to S3 due to declining population trends in Montana and surrounding states and provinces.   |
| <b>Himantopus mexicanus</b><br>Black-necked Stilt                     | 5/1/2009  | Risk upgraded from S3S4 to S3 due to threats to wetland habitats species is dependent on.   |
| <b>Certhia americana</b><br>Brown Creeper                             | 5/1/2009  | Risk upgraded from S4 to S3 due to threats to mature conifer forest habitats from insect outbreaks and fire.  |
| <b>Aquila chrysaetos</b><br>Golden Eagle                              | 5/1/2009  | Risk upgraded from S4 to S3 due to recent evidence for rangewide declines and threats posed from energy development.  |
| <b>Ardea herodias</b><br>Great Blue Heron                             | 5/1/2009  | Risk upgraded from S3S4 to S3 due to declining population trends and threats to nesting habitat.  |
| <b>Podiceps auritus</b><br>Horned Grebe                               | 5/1/2009  | Risk upgraded from S4 to S3 due to declining population trends and threats to wetland breeding habitats.  |
| <b>Accipiter gentilis</b><br>Northern Goshawk                         | 5/1/2009  | Risk upgraded from S4 to S3 due to increased threats to habitat from insect outbreaks and fire.   |
| <b>Troglodytes pacificus</b><br>Pacific Wren                          | 5/1/2009  | Risk upgraded from S4 to S3 due to increased threats to habitat from insect outbreaks and fire.   |
| <b>Dryocopus pileatus</b><br>Pileated Woodpecker                      | 5/1/2009  | Risk upgraded from S4 to S3 due to increased threats to habitat from insect outbreaks and fire.   |
| <b>Catharus fuscescens</b><br>Veery                                   | 5/1/2009  | Risk upgraded from S4 to S3 due to declining population trends and threats to riparian breeding habitat.  |
| <b>Soyedina potteri</b><br>Northern Rocky Mountains Refugium Stonefly | 5/1/2009  | State risk upgraded to S2 because global risk was upgraded to G2 by NatureServe; state risk cannot be more secure than global risk.   |
| <b>Lasiurus cinereus</b><br>Hoary Bat                                 | 10/1/2008 | Risk upgraded from S3S4 to S3 due to threat posed by collision with wind turbines and threats to broadleaf riparian forests..   |
| <b>Botaurus lentiginosus</b><br>American Bittern                      | 10/1/2008 | Risk upgraded from S4 to S3 due to threats to wetland breeding habitats.  |
| <b>Haemorhous cassinii</b><br>Cassin's Finch                          | 10/1/2008 | Risk upgraded from S5 to S3 due to declining population trends threats to conifer forest habitats from insect outbreaks and fire.   |
| <b>Aechmophorus clarkii</b><br>Clark's Grebe                          | 10/1/2008 | Risk upgraded from S2S4 to S3 due to threats to wetland breeding habitats.  |
| <b>Nucifraga columbiana</b><br>Clark's Nutcracker                     | 10/1/2008 | Risk upgraded from S5 to S3 due to declining population trends and threats to conifer forest habitats from disease, insect outbreaks, and fire.   |
| <b>Gymnorhinus cyanocephalus</b><br>Pinyon Jay                        | 10/1/2008 | Risk upgraded from S4 to S3 due to declining population trends.   |
| <b>Rhyacophila gemona</b><br>A Rhyacophilan Caddisfly                 | 10/1/2008 | Risk assessed at S2 as a result of baseline surveys and literature records indicating that the species is rare within its known range in Montana and because drought and climate change represent threats to the species' limited habitat.  |

ADDITIONS TO STATEWIDE LIST

| SPECIES  | DATE      | NOTES  |
|--|-----------|--|
| <b>Rhyacophila rickeri</b><br>A Rhyacophilan Caddisfly                   | 10/1/2008 | Risk assessed at S2 as a result of recent baseline surveys and literature records indicating that the species is rare within its known range in Montana and because drought and climate change represent threats to the species' limited habitat.  |
| <b>Rhyacophila potteri</b><br>A Rhyacophilan Caddisfly                   | 10/1/2008 | Risk assessed at S2 as a result of recent baseline surveys and literature records indicating that the species is rare within its known range in Montana and because drought and climate change represent threats to the species' limited habitat.  |
| <b>Goereilla baumanni</b><br>Northern Rocky Mountains Refugium Caddisfly | 10/1/2008 | Risk assessed at S2 as a result of recent baseline surveys and literature records indicating that the species is rare within its known range in Montana and because drought and climate change represent threats to the species' limited habitat.  |
| <b>Rossiana montana</b><br>Northern Rocky Mountains Refugium Caddisfly   | 10/1/2008 | Risk assessed at S2 as a result of recent baseline surveys and literature records indicating that the species is rare within its known range in Montana and because drought and climate change represent threats to the species' limited habitat.  |
| <b>Caurinella idahoensis</b><br>Lolo Mayfly                              | 10/1/2008 | Risk upgraded from S3 to S2 as a result of baseline surveys and literature records indicating that the species is rare within its known range in Montana and because drought and climate change represent threats to the species' limited habitat. |
| <b>Soliperla salish</b><br>Clearwater Roachfly                           | 10/1/2008 | Risk assessed at S2 as a result of recent baseline surveys and literature records indicating that the species is rare within its known range in Montana and because drought and climate change represent threats to the species' limited habitat.  |
| <b>Hemphillia camelus</b><br>Pale Jumping-slug                           | 10/1/2008 | Risk upgraded from S13 to S12 because recent surveys indicate the species is quite rare within their known range in Montana.   |
| <b>Prophysaon andersoni</b><br>Reticulate Taildropper                    | 10/1/2008 | Risk upgraded from S13 to S12 because recent surveys indicate the species is quite rare within their known range in Montana.   |
| <b>Margaritifera falcata</b><br>Western Pearlshell                       | 10/1/2008 | Risk upgraded from S24 to S2 because recent surveys indicate the species has undergone dramatic declines across their former range in Montana.   |
| <b>Blarina brevicauda</b><br>Northern Short-tailed Shrew                 | 7/1/2006  | Risk assessed at S1S3 as a result of their recent detection in Montana with a likely limited distribution.   |
| <b>Spilogale gracilis</b><br>Western Spotted Skunk                       | 7/1/2006  | Risk assessed with a range rank of S1S3 as a result of only a single detection of the species in Montana since 1995.   |
| <b>Dicamptodon aterrimus</b><br>Idaho Giant Salamander                   | 7/1/2006  | Risk assessed at S1S3 as a result of their recent detection in Montana with a likely limited distribution.   |
| <b>Salvelinus namaycush</b><br>Lake Trout                                | 7/1/2006  | Risk assessed at S2 due to declining trends in, and restricted distribution of, native populations.  |
| <b>Stylurus intricatus</b><br>Brimstone Clubtail                         | 7/1/2006  | Risk assessed at S1 because of rarity of habitat and threats to large prairie river breeding habitat.  |
| <b>Raptoheptagenia cruentata</b><br>A Mayfly                             | 7/1/2006  | Risk assessed at S2 because of rarity of habitat and threats to large prairie river breeding habitat.  |
| <b>Anepeorus rusticus</b><br>A Sand-dwelling Mayfly                      | 7/1/2006  | Risk assessed at S1 because of rarity of habitat and threats to large prairie river breeding habitat.  |
| <b>Homoeoneuria alleni</b><br>A Sand-dwelling Mayfly                     | 7/1/2006  | Risk assessed at S2 because of rarity of habitat and threats to large prairie river breeding habitat.  |
| <b>Lachlania saskatchewanensis</b><br>A Sand-dwelling Mayfly             | 7/1/2006  | Risk assessed at S1 because of rarity of habitat and threats to large prairie river breeding habitat.  |
| <b>Macdunnoa nipawinia</b><br>A Sand-dwelling Mayfly                     | 7/1/2006  | Risk assessed at S2 because of rarity of habitat and threats to large prairie river breeding habitat.  |
| <b>Pyrgulopsis bedfordensis</b><br>Bedford Springsnail                   | 7/1/2006  | Risk assessed at S1 because species' known global distribution is restricted to a single warm spring on the west side of Canyon Ferry Reservoir.   |
| <b>Kootenaia burkei</b><br>Pygmy Slug                                    | 7/1/2006  | Risk assessed at S12 due to rarity and limited known distribution.   |
| <b>Haplotrema vancouverense</b><br>Robust Lancetooth                     | 7/1/2006  | Risk assessed at S12 as a result of recent surveys and literature records indicating the species is rare with its known breeding range in Montana and because drought and climate change represent threats to the species' limited habitat.        |
| <b>Prophysaon humile</b><br>Smoky Taildropper                            | 7/1/2006  | Risk assessed at S13 as a result of recent surveys and literature records indicating the species is rare with its known breeding range in Montana and because drought and climate change represent threats to the species' limited habitat.        |
| <b>Pacifastacus gambelii</b><br>Pilose Crayfish                          | 7/1/2006  | Risk assessed at S1 because recent surveys have failed to detect them throughout their former known range in Montana.  |
| <b>Ephydatia cooperensis</b><br>A Freshwater Sponge                      | 7/1/2006  | Risk assessed at S13 because of rarity and limited known distribution.   |

ADDITIONS TO STATEWIDE LIST

| SPECIES   | DATE     | NOTES  |
|---|----------|--|
| <b>Adrityla cucullata</b><br>A Millipede                | 7/1/2006 | Risk assessed at S13 because of rarity and limited known distribution.                 |
| <b>Austrotyla montani</b><br>A Millipede                | 7/1/2006 | Risk assessed at S13 because of rarity and limited known distribution.                 |
| <b>Corypus cochlearis</b><br>A Millipede                | 7/1/2006 | Risk assessed at S13 because of rarity and limited known distribution.                 |
| <b>Endopus parvipes</b><br>A Millipede                  | 7/1/2006 | Risk assessed at S13 because of rarity and limited known distribution.                 |
| <b>Lophomus laxus</b><br>A Millipede                    | 7/1/2006 | Risk assessed at S13 because of rarity and limited known distribution.                 |
| <b>Orophe cabinetus</b><br>A Millipede                  | 7/1/2006 | Risk assessed at S13 because of rarity and limited known distribution.                 |
| <b>Orthogmus oculus</b><br>A Millipede                  | 7/1/2006 | Risk assessed at S13 because of rarity and limited known distribution.                 |
| <b>Taiyutyla curvata</b><br>A Millipede                 | 7/1/2006 | Risk assessed at S13 because of rarity and limited known distribution.                 |
| <b>Lasiurus borealis</b><br>Eastern Red Bat             | 7/1/2004 | Risk assessed at S2S3 due to rarity, intrinsic vulnerability, and threats to habitat.  |
| <b>Myotis septentrionalis</b><br>Northern Myotis        | 7/1/2004 | Risk assessed at S2S3 due to rarity and intrinsic vulnerability.                       |
| <b>Dolichonyx oryzivorus</b><br>Bobolink                | 7/1/2004 | Risk assessed at S2 due to declining population trends and threats to habitat.         |
| <b>Spizella breweri</b><br>Brewer's Sparrow             | 7/1/2004 | Risk upgraded from S4 to S2 due to threats to habitat.                                 |
| <b>Calcarius ornatus</b><br>Chestnut-collared Longspur  | 7/1/2004 | Risk upgraded from S5 to S3 due to declining population trends and threats to habitat. |
| <b>Ammodramus savannarum</b><br>Grasshopper Sparrow     | 7/1/2004 | Risk upgraded from S4 to S3 due to declining population trends and threats to habitat. |
| <b>Centrocercus urophasianus</b><br>Greater Sage-Grouse | 7/1/2004 | Risk upgraded from S4 to S3 due to declining population trends and threats to habitat. |
| <b>Calamospiza melanocorys</b><br>Lark Bunting          | 7/1/2004 | Risk upgraded from S4 to S3 due to evaluation of threats faced by species.             |
| <b>Lanius ludovicianus</b><br>Loggerhead Shrike         | 7/1/2004 | Risk upgraded from S4 to S3 due to declining population trends.                        |
| <b>Numenius americanus</b><br>Long-billed Curlew        | 7/1/2004 | Risk upgraded from S4 to S3 due to evaluation of threats faced by species.             |
| <b>Oreoscoptes montanus</b><br>Sage Thrasher            | 7/1/2004 | Risk assessed at S3 due to declining population trends and threats to habitat.         |
| <b>Buteo swainsoni</b><br>Swainson's Hawk               | 7/1/2004 | Risk upgraded from S4 to S3 due to evaluation of threats faced by species.             |
| <b>Rhynchophanes mccownii</b><br>Thick-billed Longspur  | 7/1/2004 | Risk upgraded from S4 to S2 due to declining population trends and threats to habitat. |
| <b>Boloria alberta</b><br>Alberta Fritillary            | 7/1/2004 | Risk assessed at S23 due to apparent rarity and threats to habitat.                    |
| <b>Boloria frigga</b><br>Frigga Fritillary              | 7/1/2004 | Risk assessed at S12 due to apparent rarity and threats to habitat.                    |
| <b>Polygona progne</b><br>Gray Comma                    | 7/1/2004 | Risk assessed at S2 due to apparent rarity.  |
| <b>Erebia magdalena</b><br>Magdalena Alpine             | 7/1/2004 | Risk assessed at S2 due to apparent rarity and threats to habitat.                     |



ADDITIONS TO STATEWIDE LIST

| SPECIES   | DATE     | NOTES  |
|---|----------|--|
| <b>Radiodiscus abietum</b><br>Fir Pinwheel                  | 7/1/2004 | Risk assessed at S23 due to apparent rarity.   |
| <b>Polygyrella polygyrella</b><br>Humped Coin               | 7/1/2004 | Risk assessed at S13 due to apparent rarity.   |
| <b>Udosarx lyrata</b><br>Lyre Mantleslug                    | 7/1/2004 | Risk assessed at S1 due to apparent rarity.  |
| <b>Sorex arcticus</b><br>Arctic Shrew                       | 1/1/2003 | Risk assessed at S1 due to apparent rarity after species was detected in the state for the first time.   |
| <b>Sorex eximius</b><br>Western Pygmy Shrew                 | 1/1/2003 | Risk assessed at S3 due to apparent rarity.  |
| <b>Leucosticte tephrocotis</b><br>Gray-crowned Rosy-Finch   | 1/1/2003 | Risk assessed at S3 for breeding population of year round resident Cassin's Gray-crowned Rosy-Finch ( <i>Leucosticte tephrocotis tephrocotis</i> ) due to apparent rarity while the winter migrant population of Hepburn's Gray-crowned Rosy-Finch ( <i>Leucosticte tephrocotis littoralis</i> ) was assessed at S5. |
| <b>Phrynosoma hernandesi</b><br>Greater Short-horned Lizard | 1/1/2003 | Risk assessed at S3 due to apparent rarity.  |
| <b>Elgaria coerulea</b><br>Northern Alligator Lizard        | 1/1/2003 | Risk assessed at S3 due to apparent rarity.  |
| <b>Spea bombifrons</b><br>Plains Spadefoot                  | 1/1/2003 | Risk assessed at S3 due to apparent rarity.  |
| <b>Hesperia ottoe</b><br>Ottoe Skipper                      | 1/1/2003 | Risk assessed at S23 due to apparent rarity.   |
| <b>Enallagma clausum</b><br>Alkali Bluet                    | 1/1/2003 | Risk assessed at S24 due to apparent rarity.   |
| <b>Enallagma civile</b><br>Familiar Bluet                   | 1/1/2003 | Risk assessed at S24 due to apparent rarity.   |
| <b>Argia alberta</b><br>Paiute Dancer                       | 1/1/2003 | Risk assessed at S23 due to apparent rarity.   |
| <b>Coenagrion angulatum</b><br>Prairie Bluet                | 1/1/2003 | Risk assessed at S13 due to apparent rarity.   |
| <b>Aeshna tuberculifera</b><br>Black-tipped Darner          | 1/1/2003 | Risk assessed at S24 due to apparent rarity.   |
| <b>Rhionaeschna multicolor</b><br>Blue-eyed Darner          | 1/1/2003 | Risk assessed at S24 due to apparent rarity.   |
| <b>Arigomphus cornutus</b><br>Horned Clubtail               | 1/1/2003 | Risk assessed at S24 due to apparent rarity.   |
| <b>Aeshna constricta</b><br>Lance-tipped Darner             | 1/1/2003 | Risk assessed at S13 due to apparent rarity.   |
| <b>Somatochlora minor</b><br>Ocellated Emerald              | 1/1/2003 | Risk assessed at S24 due to apparent rarity.   |
| <b>Gomphurus externus</b><br>Plains Clubtail                | 1/1/2003 | Risk assessed at S24 due to apparent rarity.   |
| <b>Sympetrum madidum</b><br>Red-veined Meadowhawk           | 1/1/2003 | Risk assessed at S23 due to apparent rarity.   |
| <b>Ophiogomphus occidentis</b><br>Sinuous Snaketail         | 1/1/2003 | Risk assessed at S24 due to apparent rarity.   |
| <b>Aeshna sitchensis</b><br>Zigzag Darner                   | 1/1/2003 | Risk assessed at S23 due to apparent rarity.   |
| <b>Stygobromus tritus</b><br>A Subterranean Amphipod        | 1/1/2003 | Risk assessed at S12 due to apparent rarity.   |
| <b>Stygobromus glacialis</b><br>Glacier Amphipod            | 1/1/2003 | Risk assessed at S12 due to apparent rarity.   |

ADDITIONS TO STATEWIDE LIST

| SPECIES   | DATE     | NOTES   |
|---|----------|---|
| <b>Bos bison</b><br>Bison                                       | 8/1/2001 | Risk assessed at S2 due to rarity of free ranging herds.                          |
| <b>Antrozous pallidus</b><br>Pallid Bat                         | 8/1/2001 | Risk assessed at S1 due to limited distribution and apparent rarity in Montana.   |
| <b>Sorex preblei</b><br>Preble's Shrew                          | 8/1/2001 | Risk assessed at S3 due to apparent rarity.                                       |
| <b>Spilogale gracilis</b><br>Western Spotted Skunk              | 8/1/2001 | Risk assessed at S1 due to apparent rarity.                                       |
| <b>Tyto alba</b><br>Barn Owl                                    | 8/1/2001 | Risk assessed at S1 due to limited distribution and apparent rarity in Montana.   |
| <b>Leucosticte atrata</b><br>Black Rosy-Finch                   | 8/1/2001 | Risk assessed at S3 due to apparent rarity and threats to habitat.                |
| <b>Mniotilta varia</b><br>Black-and-white Warbler               | 8/1/2001 | Risk assessed at S2S3 due to limited distribution and apparent rarity in Montana. |
| <b>Poecile hudsonicus</b><br>Boreal Chickadee                   | 8/1/2001 | Risk assessed at S1S2 due to limited distribution and apparent rarity in Montana. |
| <b>Selasphorus platycercus</b><br>Broad-tailed Hummingbird      | 8/1/2001 | Risk assessed at S1 due to limited distribution and apparent rarity in Montana.   |
| <b>Sialia sialis</b><br>Eastern Bluebird                        | 8/1/2001 | Risk assessed at S2 due to threats to habitat.                                    |
| <b>Melanerpes lewis</b><br>Lewis's Woodpecker                   | 8/1/2001 | Risk assessed at S3S4 due to apparent rarity.                                     |
| <b>Surnia ulula</b><br>Northern Hawk Owl                        | 8/1/2001 | Risk assessed at S1 due to limited distribution and apparent rarity in Montana.   |
| <b>Contopus cooperi</b><br>Olive-sided Flycatcher               | 8/1/2001 | Risk assessed at S3 due to apparent rarity and threats to habitat.                |
| <b>Melanerpes erythrocephalus</b><br>Red-headed Woodpecker      | 8/1/2001 | Risk assessed at S3S4 due to apparent rarity.                                     |
| <b>Cistothorus stellaris</b><br>Sedge Wren                      | 8/1/2001 | Risk assessed at S1 due to limited distribution and apparent rarity in Montana.   |
| <b>Anthus spragueii</b><br>Sprague's Pipit                      | 8/1/2001 | Risk assessed at S3S4 due to threats to habitat.                                  |
| <b>Plegadis chihi</b><br>White-faced Ibis                       | 8/1/2001 | Risk assessed at S1 due to limited distribution and apparent rarity in Montana.   |
| <b>Lagopus leucura</b><br>White-tailed Ptarmigan                | 8/1/2001 | Risk assessed at S3 due to apparent rarity and threats to habitat.                |
| <b>Sceloporus graciosus</b><br>Common Sagebrush Lizard          | 8/1/2001 | Risk assessed at S3 due to apparent rarity as indicated by available data.        |
| <b>Plestiodon skiltonianus</b><br>Western Skink                 | 8/1/2001 | Risk assessed at S3 due to apparent rarity.                                       |
| <b>Anaxyrus cognatus</b><br>Great Plains Toad                   | 8/1/2001 | Risk assessed at S3 due to apparent rarity.                                       |
| <b>Sander canadensis</b><br>Sauger                              | 8/1/2001 | Risk assessed at S2 due to declining population trends.                           |
| <b>Zaitzevia therae</b><br>Warm Spring Zaitzevian Riffle Beetle | 8/1/2001 | Risk assessed at S1 due to limited distribution and apparent rarity in Montana.   |
| <b>Oncopodura cruciata</b><br>A Springtail                      | 8/1/2001 | Risk assessed at S12 due to limited distribution and apparent rarity in Montana.  |
| <b>Discus shimekii</b><br>Striate Disc                          | 8/1/2001 | Risk assessed at S1 due to apparent rarity.                                       |

ADDITIONS TO STATEWIDE LIST

| SPECIES   | DATE     | NOTES   |
|---|----------|---|
| <b>Sclerobunus cavicolens</b><br>A Cave Obligate Harvestman | 8/1/2001 | Risk assessed at S12 due to limited distribution and apparent rarity in Montana.  |
| <b>Salmasellus steganothrix</b><br>A Cave Obligate Isopod   | 8/1/2001 | Risk assessed at S12 due to apparent rarity.  |
| <b>Stygobromus montanensis</b><br>A Subterranean Amphipod   | 8/1/2001 | Risk assessed at S12 due to limited distribution and apparent rarity in Montana.  |
| <b>Stygobromus obscurus</b><br>A Subterranean Amphipod      | 8/1/2001 | Risk assessed at S12 due to limited distribution and apparent rarity in Montana.  |
| <b>Stygobromus puteanus</b><br>A Subterranean Amphipod      | 8/1/2001 | Risk assessed at S12 due to limited distribution and apparent rarity in Montana.  |
| <b>Lasiurus borealis</b><br>Eastern Red Bat                 | 1/1/1999 | Risk assessed at S1 due to apparent rarity in Montana.  |
| <b>Anaxyrus boreas</b><br>Western Toad                      | 1/1/1999 | Risk assessed at S354 due to declining population trends.   |
| <b>Polioptila caerulea</b><br>Blue-gray Gnatcatcher         | 3/1/1997 | Risk assessed at S1 due to limited distribution and apparent rarity in Montana.   |
| <b>Euphydrys gillettii</b><br>Gillette's Checkerspot        | 3/1/1997 | Risk assessed at S3 due to apparent rarity.   |
| <b>Coenagrion interrogatum</b><br>Subarctic Bluet           | 3/1/1997 | Risk assessed at S12 due to apparent rarity.  |
| <b>Leucorrhinia borealis</b><br>Boreal Whiteface            | 3/1/1997 | Risk assessed at S1 due to apparent rarity.   |
| <b>Somatochlora walshii</b><br>Brush-tipped Emerald         | 3/1/1997 | Risk assessed at S12 due to apparent rarity.  |
| <b>Erpetogomphus designatus</b><br>Eastern Ringtail         | 3/1/1997 | Risk assessed at S1 due to apparent rarity.   |
| <b>Somatochlora albicincta</b><br>Ringed Emerald            | 3/1/1997 | Risk assessed at S13 due to apparent rarity.  |
| <b>Aeshna subarctica</b><br>Subarctic Darner                | 3/1/1997 | Risk assessed at S12 due to apparent rarity.  |
| <b>Erythemis collocata</b><br>Western Pondhawk              | 3/1/1997 | Risk assessed at S12 due to apparent rarity.  |
| <b>Oreohelix sp. 3</b><br>Bearmouth Mountainsnail           | 3/1/1997 | Risk assessed at S12 due to apparent rarity.  |
| <b>Oreohelix sp. 5</b><br>Brunson Mountainsnail             | 3/1/1997 | Risk assessed at S12 due to apparent rarity.  |
| <b>Oreohelix sp. 31</b><br>Byrne Resort Mountainsnail       | 3/1/1997 | Risk assessed at S12 due to apparent rarity.  |
| <b>Oreohelix sp. 4</b><br>Drummond Mountainsnail            | 3/1/1997 | Risk assessed at S1 due to apparent rarity.   |
| <b>Oreohelix yavapai mariae</b><br>Gallatin Mountainsnail   | 3/1/1997 | Risk assessed at S1 due to apparent rarity.   |
| <b>Oreohelix sp. 6</b><br>Kintla Lake Mountainsnail         | 3/1/1997 | Risk assessed at S1 due to apparent rarity.   |
| <b>Oreohelix sp. 7</b><br>Kitchen Creek Mountainsnail       | 3/1/1997 | Risk assessed at S12 due to apparent rarity.  |
| <b>Amnicola sp. 2</b><br>Lake Amnicola                      | 3/1/1997 | Risk assessed at S1 due to apparent rarity.   |
| <b>Discus brunsoni</b><br>Lake Disc                         | 3/1/1997 | Risk assessed at SH (historic records only) due to collection at a single locality without resurvey in several decades. |

ADDITIONS TO STATEWIDE LIST

| SPECIES   | DATE     | NOTES  |
|---|----------|--|
| <b>Physa megalochlamys</b><br>Large-mantle Physa            | 3/1/1997 | Risk assessed at S1 due to apparent rarity.  |
| <b>Oreohelix sp. 10</b><br>Missoula Mountainsnail           | 3/1/1997 | Risk assessed at S13 due to apparent rarity.   |
| <b>Stagnicola montanensis</b><br>Mountain Marshsnail        | 3/1/1997 | Risk assessed at S13 due to apparent rarity.   |
| <b>Colligyrus greggi</b><br>Rocky Mountain Dusksnail        | 3/1/1997 | Risk assessed at S1 due to limited distribution and apparent rarity in Montana.  |
| <b>Zacoleus idahoensis</b><br>Sheathed Slug                 | 3/1/1997 | Risk assessed at S12 due to apparent rarity.   |
| <b>Fisherola nuttalli</b><br>Shortface Lanx                 | 3/1/1997 | Risk assessed at S13 due to apparent rarity.   |
| <b>Oreohelix sp. 11</b><br>Subcarinate Mountainsnail        | 3/1/1997 | Risk assessed at S1 due to apparent rarity.  |
| <b>Cynomys ludovicianus</b><br>Black-tailed Prairie Dog     | 6/1/1996 | Risk assessed at S354 due to declining population trends, unknown viability of many current colonies, and its key role in the life history of several other threatened and endangered species. |
| <b>Ammospiza nelsoni</b><br>Nelson's Sparrow                | 6/1/1996 | Risk assessed at S1 due to limited distribution and apparent rarity in Montana after recent first detections of breeding individuals.  |
| <b>Coturnicops noveboracensis</b><br>Yellow Rail            | 6/1/1996 | Risk assessed at S1 due to limited distribution and apparent rarity in Montana after recent first detections of breeding individuals.  |
| <b>Lampropeltis gentilis</b><br>Western Milksnake           | 6/1/1996 | Risk assessed at S2 due to limited distribution and apparent rarity in Montana.  |
| <b>Lithobates pipiens</b><br>Northern Leopard Frog          | 6/1/1996 | Risk assessed at S354 due to catastrophic population declines in western Montana and apparent declines in eastern Montana.   |
| <b>Oreohelix alpina</b><br>Alpine Mountainsnail             | 6/1/1996 | Risk assessed at S1 due to limited distribution and apparent rarity in Montana.  |
| <b>Oreohelix amariradix</b><br>Bitterroot Mountainsnail     | 6/1/1996 | Risk assessed at S12 due to limited distribution and apparent rarity in Montana.   |
| <b>Fluminicola fuscus</b><br>Columbia Pebblesnail           | 6/1/1996 | Risk assessed at SX (extirpated) as a result of the lack of recent records.  |
| <b>Magnipelta mycophaga</b><br>Magnum Mantleslug            | 6/1/1996 | Risk assessed at S13 due to limited distribution and apparent rarity in Montana.   |
| <b>Hemphillia danielsi</b><br>Marbled Jumping-slug          | 6/1/1996 | Risk assessed at S13 due to limited distribution and apparent rarity in Montana.   |
| <b>Myotis evotis</b><br>Long-eared Myotis                   | 2/1/1995 | Added to list because species was on the USFWS Category 2 Candidate list.  |
| <b>Myotis volans</b><br>Long-legged Myotis                  | 2/1/1995 | Added to list because species was on the USFWS Category 2 Candidate list.  |
| <b>Myotis ciliolabrum</b><br>Western Small-footed Myotis    | 2/1/1995 | Added to list because species was on the USFWS Category 2 Candidate list.  |
| <b>Myotis yumanensis</b><br>Yuma Myotis                     | 2/1/1995 | Added to list because species was on the USFWS Category 2 Candidate list.  |
| <b>Empidonax alnorum</b><br>Alder Flycatcher                | 2/1/1995 | Risk assessed at S1 because of limited distribution and rarity of breeding populations in Montana.   |
| <b>Sceloporus graciosus</b><br>Common Sagebrush Lizard      | 2/1/1995 | Added to list because species was on the USFWS Category 2 Candidate list and because of apparent rarity.   |
| <b>Phrynosoma hernandesi</b><br>Greater Short-horned Lizard | 2/1/1995 | Added to list because species was on the USFWS Category 2 Candidate list. Note: at this time the species in Montana was recognized as Short-horned Lizard ( <i>Phrynosoma douglasi</i> ).      |
| <b>Rana luteiventris</b><br>Columbia Spotted Frog           | 2/1/1995 | Added to list because species was on the USFWS Category 2 Candidate list.  |

ADDITIONS TO STATEWIDE LIST

| SPECIES   | DATE     | NOTES  |
|---|----------|--|
| <b>Ascaphus montanus</b><br>Rocky Mountain Tailed Frog    | 2/1/1995 | Added to list because species was on the USFWS Category 2 Candidate list.  |
| <b>Platygobio gracilis</b><br>Flathead Chub               | 2/1/1995 | Added to list because species was on the USFWS Category 2 Candidate list.  |
| <b>Hybognathus placitus</b><br>Plains Minnow              | 2/1/1995 | Added to list because species was on the USFWS Category 2 Candidate list.  |
| <b>Hybognathus argyritis</b><br>Western Silvery Minnow    | 2/1/1995 | Added to list because species was on the USFWS Category 2 Candidate list.  |
| <b>Speyeria idalia</b><br>Regal Fritillary                | 2/1/1995 | Added to list because species was on the USFWS Category 2 Candidate list.  |
| <b>Phyciodes batesii</b><br>Tawny Crescent                | 2/1/1995 | Added to list because species was on the USFWS Category 2 Candidate list and because of apparent rarity.   |
| <b>Oreohelix strigosa berryi</b><br>Berry's Mountainsnail | 2/1/1995 | Added to list because species was on the USFWS Category 2 Candidate list and because of apparent rarity.   |
| <b>Discus shimelkii</b><br>Striate Disc                   | 2/1/1995 | Added to list because species was on the USFWS Category 2 Candidate list. Note: this addition referred to Cockerell's Striate Disc ( <i>Discus shimelkii cockerelli</i> ); this subspecies is no longer recognized from Montana. |
| <b>Leucophaeus pipixcan</b><br>Franklin's Gull            | 3/1/1994 | Risk assessed at S354 due to rarity of breeding records and habitat.   |
| <b>Sorex merriami</b><br>Merriam's Shrew                  | 5/1/1993 | Risk assessed at S3 for undocumented reasons.  |
| <b>Cypseloides niger</b><br>Black Swift                   | 5/1/1993 | Risk assessed at S3 for undocumented reasons.  |
| <b>Mniotilta varia</b><br>Black-and-white Warbler         | 5/1/1993 | Risk assessed at S153 for undocumented reasons.  |
| <b>Nycticorax nycticorax</b><br>Black-crowned Night-Heron | 5/1/1993 | Risk assessed at S3 for undocumented reasons.  |
| <b>Himantopus mexicanus</b><br>Black-necked Stilt         | 5/1/1993 | Risk assessed at S3 for undocumented reasons.  |
| <b>Poecile hudsonicus</b><br>Boreal Chickadee             | 5/1/1993 | Risk assessed at S3 for undocumented reasons.  |
| <b>Hydroprogne caspia</b><br>Caspian Tern                 | 5/1/1993 | Risk assessed at S3 for undocumented reasons.  |
| <b>Tyrannus vociferans</b><br>Cassin's Kingbird           | 5/1/1993 | Risk assessed at S153 for undocumented reasons.  |
| <b>Aechmophorus clarkii</b><br>Clark's Grebe              | 5/1/1993 | Risk assessed at S254 for undocumented reasons.  |
| <b>Sterna hirundo</b><br>Common Tern                      | 5/1/1993 | Risk assessed at S3 for undocumented reasons.  |
| <b>Sterna forsteri</b><br>Forster's Tern                  | 5/1/1993 | Risk assessed at S3 for undocumented reasons.  |
| <b>Passerina cyanea</b><br>Indigo Bunting                 | 5/1/1993 | Risk assessed at S254 for undocumented reasons.  |
| <b>Brachylagus idahoensis</b><br>Pygmy Rabbit             | 9/1/1992 | Risk assessed at S4 for undocumented reasons.  |
| <b>Centronyx bairdii</b><br>Baird's Sparrow               | 9/1/1992 | Risk assessed at S3 for undocumented reasons.  |
| <b>Chlidonias niger</b><br>Black Tern                     | 9/1/1992 | Risk assessed at S3 for undocumented reasons.  |
| <b>Picoides arcticus</b><br>Black-backed Woodpecker       | 9/1/1992 | Risk assessed at S3 for undocumented reasons.  |

ADDITIONS TO STATEWIDE LIST

| SPECIES  | DATE      | NOTES  |
|--|-----------|--|
| <b>Lanius ludovicianus</b><br>Loggerhead Shrike          | 9/1/1992  | Risk assessed at S5 for undocumented reasons.  |
| <b>Accipiter gentilis</b><br>Northern Goshawk            | 9/1/1992  | Risk assessed at S4 for undocumented reasons.  |
| <b>Rana luteiventris</b><br>Columbia Spotted Frog        | 9/1/1992  | Risk assessed at S4 and added to list for undocumented reasons.  |
| <b>Dicamptodon aterrimus</b><br>Idaho Giant Salamander   | 9/1/1992  | Added to list as a result of recognition of the Idaho Giant Salamander as a sister species to the Pacific Giant Salamander ( <i>Dicamptodon aterrimus</i> ) which was formerly recognized as having discontinuous coastal and inland populations. Risk was assessed at S1 due to rarity and limited likely distribution. |
| <b>Cycleptus elongatus</b><br>Blue Sucker                | 9/1/1992  | Risk assessed at S3 for undocumented reasons.  |
| <b>Acroloxus coloradensis</b><br>Rocky Mountain Capshell | 9/1/1992  | Risk assessed at S1 for undocumented reasons.  |
| <b>Myotis septentrionalis</b><br>Northern Myotis         | 2/15/1989 | Added because species was formerly recognized as synonymous with Keen's Myotis ( <i>Myotis keeni</i> ). Thus, Keen's Myotis was dropped and Northern Myotis was added.   |
| <b>Sternula antillarum</b><br>Least Tern                 | 2/15/1989 | Risk assessed at S1 for undocumented reasons.  |
| <b>Plegadis chihi</b><br>White-faced Ibis                | 2/15/1989 | Risk assessed at S1 for undocumented reasons.  |
| <b>Elgaria coerulea</b><br>Northern Alligator Lizard     | 4/22/1987 | Risk assessed at S3 for undocumented reasons.  |
| <b>Notropis hudsonius</b><br>Spottail Shiner             | 4/22/1987 | Risk assessed at S3 for undocumented reasons.  |
| <b>Cottus rhotheus</b><br>Torrent Sculpin                | 4/22/1987 | Risk assessed at S2 for undocumented reasons.  |
| <b>Rhyacophila ebria</b><br>A Rhyacophilan Caddisfly     | 4/22/1987 | Risk assessed at S1 for undocumented reasons.  |
| <b>Rhyacophila newelli</b><br>A Rhyacophilan Caddisfly   | 4/22/1987 | Risk assessed at S2 for undocumented reasons.  |
| <b>Rhyacophila glaciera</b><br>A Rhyacophilan Caddisfly  | 4/22/1987 | Risk assessed at S1 for undocumented reasons.  |
| <b>Agapetus montanus</b><br>An Agapetus Caddisfly        | 4/22/1987 | Risk assessed at S2 for undocumented reasons.  |
| <b>Caenis youngi</b><br>A Mayfly                         | 4/22/1987 | Risk assessed at S2 for undocumented reasons.  |
| <b>Isocapnia integra</b><br>Alberta Snowfly              | 4/22/1987 | Risk assessed at S2 for undocumented reasons.  |
| <b>Utacapnia columbiana</b><br>Columbian Snowfly         | 4/22/1987 | Risk assessed at S2 for undocumented reasons.  |
| <b>Zapada cordillera</b><br>Cordilleran Forestfly        | 4/22/1987 | Risk assessed at S2 for undocumented reasons.  |
| <b>Isocapnia crinita</b><br>Hooked Snowfly               | 4/22/1987 | Risk assessed at S2 for undocumented reasons.  |
| <b>Isoperla petersoni</b><br>Springs Stripetail          | 4/22/1987 | Risk assessed at S2 for undocumented reasons.  |
| <b>Zapada glacier</b><br>Western Glacier Stonefly        | 4/22/1987 | Risk assessed at S1 for undocumented reasons.  |



**This section is not Filtered**

| SPECIES REMOVED FROM STATEWIDE LIST                        |           |   |
|--|-----------|---|
| SPECIES  | DATE      | NOTES   |
| <b>Falco peregrinus</b><br>Peregrine Falcon                | 3/1/2022  | Species is rapidly recolonizing historic habitat and faces few threats.   |
| <b>Spea bombifrons</b><br>Plains Spadefoot                 | 9/25/2018 | Recent nocturnal calling surveys conducted after precipitation events on warm evenings have often detected this species east of the Continental Divide. It appears that the previous perception of rarity was due in part to lack of historical survey effort and difficulty detecting the species during much of the year and in most weather conditions. Given these data, the SOC status can no longer be justified and the rank has been increased to S4.   |
| <b>Caenis youngi</b><br>A Mayfly                           | 6/23/2015 | Removed from SOC list after macroinvertebrate surveys across Montana found the species to be less habitat-restricted than previously believed.  |
| <b>Sceloporus graciosus</b><br>Common Sagebrush Lizard     | 5/10/2013 | Risk downgraded from S3 to S4 due to detection of apparently stable populations in a high percentage of rock outcrop sites across their known range in eastern Montana (higher percentages in southeastern Montana and lower percentages in northeastern Montana).  |
| <b>Lepus californicus</b><br>Black-tailed Jackrabbit       | 5/8/2013  | Moved to PSOC list with a new state rank of SU and noted as a "Species of Highest Inventory Need" due to a lack of information on distribution and status.  |
| <b>Lasiurus borealis</b><br>Eastern Red Bat                | 5/8/2013  | Moved to PSOC list with a new state rank of SU and noted as a "Species of Highest Inventory Need" due to a lack of information on distribution and status.  |
| <b>Chaetodipus hispidus</b><br>Hispid Pocket Mouse         | 5/8/2013  | Moved to PSOC list with a new state rank of SU and noted as a "Species of Highest Inventory Need" due to a lack of information on distribution and status.  |
| <b>Zapus hudsonius</b><br>Meadow Jumping Mouse             | 5/8/2013  | Moved to PSOC list with a new state rank of SU and noted as a "Species of Highest Inventory Need" due to a lack of information on distribution and status.  |
| <b>Neotamias umbrinus</b><br>Uinta Chipmunk                | 5/8/2013  | Moved to PSOC list with a new state rank of SU and noted as a "Species of Highest Inventory Need" due to a lack of information on distribution and status.  |
| <b>Spilogale gracilis</b><br>Western Spotted Skunk         | 5/8/2013  | Moved to PSOC list with a new state rank of SU and noted as a "Species of Highest Inventory Need" due to a lack of information on distribution and status.  |
| <b>Haliaeetus leucocephalus</b><br>Bald Eagle              | 4/17/2012 | Risk downgraded from S3 to S4 because populations numbers have steadily increased since the 1980s and breeding pairs now occupy a high percentage of suitable habitat across the state. However the species is still protected under the Bald and Golden Eagle Protection Act of 1940.  |
| <b>Ammodramus savannarum</b><br>Grasshopper Sparrow        | 4/17/2012 | Risk downgraded from S3B to S4B because although populations face some habitat loss, the estimated statewide population is large and population trends are stable to increasing.  |
| <b>Myotis septentrionalis</b><br>Northern Myotis           | 7/19/2011 | Moved to Potential Species of Concern List due to limited documentation and uncertainty about the species use of habitats in Montana. After statewide mist net and acoustic survey efforts, the species has only been documented at two localities. It is possible that the species uses habitats in Montana outside of the summer season that has been the focus of recent sampling efforts. Additional sampling is needed in the fall to see if the species is migrating through, or overwintering in, the state more regularly.                                    |
| <b>Canis lupus</b><br>Gray Wolf                            | 5/5/2011  | On May 5, 2011, the Gray Wolf was removed from the Endangered Species Act by the Secretary of the Interior at the direction of the President of the United States and Congress under a rider associated with the Department of Defense and Full-Year Appropriations Act of 2011. Because the species was ranked at a state conservation status of S4 and was only included on the Species of Concern List in order to make its federal status information available in environmental reviews, federal delisting resulted in removal from the Species of Concern List. |
| <b>Canis lupus</b><br>Gray Wolf                            | 5/25/2010 | Risk evaluated at S4. Although the population is still relatively small, the species has expanded into available habitat across western Montana and has had a 528% increase in the number of breeding pairs in the state between 1999 and 2009. Plans for management of human conflict with wolves provide a high probability of maintaining a stable population into the future.   |
| <b>Picoides dorsalis</b><br>American Three-toed Woodpecker | 5/1/2009  | Risk downgraded from S3S4 to S4 due to increasing availability of preferred habitats.   |
| <b>Icterus galbula</b><br>Baltimore Oriole                 | 5/1/2009  | Risk downgraded from S3S4 to S4 due to habitats evaluated as less threatened than previously recognized.  |
| <b>Tyto alba</b><br>Barn Owl                               | 5/1/2009  | Risk downgraded from S1 to S4 due to expanding range and population in Montana.   |
| <b>Mniotilta varia</b><br>Black-and-white Warbler          | 5/1/2009  | Risk downgraded from S2S3 to S4 due to habitats being evaluated as less threatened than previously recognized, but kept as a Potential Species of Concern due to limited survey effort.   |
| <b>Selasphorus platycercus</b><br>Broad-tailed Hummingbird | 5/1/2009  | Risk downgraded from S1 to S4 due to stable population trends, but kept as a Potential Species of Concern due to limited baseline data in Montana.  |
| <b>Tyrannus vociferans</b><br>Cassin's Kingbird            | 5/1/2009  | Risk downgraded from S2 to S4 due to stable population trends, but kept as a Potential Species of Concern due to limited baseline data for Montana.   |
| <b>Spiza americana</b><br>Dickcissel                       | 5/1/2009  | Risk downgraded from S1S2 to S4 due to stable population trends and fewer threats to habitats than previously recognized. Kept as a Potential Species of Concern due to limited baseline data in Montana.   |
| <b>Sialia sialis</b><br>Eastern Bluebird                   | 5/1/2009  | Risk downgraded from S2 to S4 due to use of widely available artificial nest boxes and stable population trends. Kept as a Potential Species of Concern due to limited baseline data for Montana.   |

**SPECIES REMOVED FROM STATEWIDE LIST**

| SPECIES   | DATE      | NOTES  |
|---|-----------|--|
| <b>Calamospiza melanocorys</b><br>Lark Bunting          | 5/1/2009  | Risk downgraded from S3 to S4 due to stable to increasing population trends.   |
| <b>Surnia ulula</b><br>Northern Hawk Owl                | 5/1/2009  | Risk downgraded from S1 to S4 due to stable population trends, but kept as a Potential Species of Concern due to limited baseline data in Montana.   |
| <b>Contopus cooperi</b><br>Olive-sided Flycatcher       | 5/1/2009  | Risk downgraded from S3 to S4 due to increasing trends in population and available habitat.  |
| <b>Icterus spurius</b><br>Orchard Oriole                | 5/1/2009  | Risk downgraded from S2S4 to S4 due to increasing population trends and habitats evaluated as less threatened than previously recognized.  |
| <b>Sphyrapicus thyroideus</b><br>Williamson's Sapsucker | 5/1/2009  | Risk downgraded from S3S4 to S4 due to stable to increasing population trends and habitats evaluated as less threatened than previously recognized.  |
| <b>Lithobates pipiens</b><br>Northern Leopard Frog      | 5/1/2009  | Risk to eastern Montana populations downgraded from S3 to S4 due to widespread occupancy of suitable habitat in eastern Montana during recent surveys. Western Montana populations, which have been nearly extirpated since the early 1980s, remain at an S1 level of risk. Eastern populations were kept as Potential Species of Concern due to ongoing concerns about diseases such as the pathogenic chytrid fungus <i>Batrachochytrium dendrobatidis</i> . |
| <b>Accipiter gentilis</b><br>Northern Goshawk           | 10/1/2008 | Risk downgraded from S3 to S4 due to recent surveys indicating the species is more common than previously recognized.  |
| <b>Agapetus montanus</b><br>An Agapetus Caddisfly       | 10/1/2008 | Risk downgraded from S2 to S3 due to habitat being evaluated as less threatened than previously recognized, but kept as a Potential Species of Concern due to potentially growing threats to habitat.  |
| <b>Radiodiscus abietum</b><br>Fir Pinwheel              | 7/1/2006  | Risk downgraded to Potential Species of Concern as a result of recent surveys and in order to remain consistent with other invertebrate species listed as Species of Concern.  |
| <b>Stagnicola montanensis</b><br>Mountain Marshsnail    | 7/1/2006  | Dropped from consideration because taxonomic research indicated that the species' designation was invalid.   |
| <b>Sorex eximius</b><br>Western Pygmy Shrew             | 7/1/2004  | Risk downgraded from S3 to S4 because the species was evaluated as more common than previously recognized.   |
| <b>Spilogale gracilis</b><br>Western Spotted Skunk      | 7/1/2004  | Moved to Potential Species of Concern List for undocumented reasons.   |
| <b>Dicamptodon aterrimus</b><br>Idaho Giant Salamander  | 1/1/2003  | Dropped because reports of the species presence in Montana were deemed false.  |
| <b>Lasiurus borealis</b><br>Eastern Red Bat             | 8/1/2001  | Moved to the Species on Review List for undocumented reasons.  |
| <b>Myotis septentrionalis</b><br>Northern Myotis        | 8/1/2001  | Moved to Species on Review List because species is rare and possibly out of range.   |
| <b>Himantopus mexicanus</b><br>Black-necked Stilt       | 8/1/2001  | Moved to the Species on Review List for undocumented reasons.  |
| <b>Aegolius funereus</b><br>Boreal Owl                  | 8/1/2001  | Dropped because species was found to be more common than previously recognized.  |
| <b>Aechmophorus clarkii</b><br>Clark's Grebe            | 8/1/2001  | Moved to Species on Review list for undocumented reasons.  |
| <b>Oreohelix sp. 3</b><br>Bearmouth Mountainsnail       | 8/1/2001  | Dropped because taxa had not been formally described as a species.   |
| <b>Oreohelix sp. 5</b><br>Brunson Mountainsnail         | 8/1/2001  | Dropped because taxa had not been formally described as a species.   |
| <b>Oreohelix sp. 31</b><br>Byrne Resort Mountainsnail   | 8/1/2001  | Dropped because taxa had not been formally described as a species.   |
| <b>Oreohelix sp. 4</b><br>Drummond Mountainsnail        | 8/1/2001  | Dropped because taxa had not been formally described as a species.   |
| <b>Oreohelix sp. 6</b><br>Kintla Lake Mountainsnail     | 8/1/2001  | Dropped because taxa had not been formally described as a species.   |
| <b>Oreohelix sp. 7</b><br>Kitchen Creek Mountainsnail   | 8/1/2001  | Dropped because taxa had not been formally described as a species.   |
| <b>Amnicola sp. 2</b><br>Lake Amnicola                  | 8/1/2001  | Dropped because taxa had not been formally described as a species.   |

SPECIES REMOVED FROM STATEWIDE LIST

| SPECIES   | DATE     | NOTES   |
|---|----------|---|
| <b>Oreohelix sp. 10</b><br>Missoula Mountainsnail           | 8/1/2001 | Dropped because taxa had not been formally described as a species.  |
| <b>Oreohelix sp. 11</b><br>Subcarinate Mountainsnail        | 8/1/2001 | Dropped because taxa had not been formally described as a species.  |
| <b>Plegadis chihi</b><br>White-faced Ibis                   | 9/1/1999 | Dropped for undocumented reasons.   |
| <b>Fluminicola fuscus</b><br>Columbia Pebblesnail           | 9/1/1999 | Dropped because species was presumed to be extirpated from Montana due to habitat destruction.  |
| <b>Discus shimekii</b><br>Striate Disc                      | 9/1/1999 | Dropped for undocumented reasons.   |
| <b>Myotis evotis</b><br>Long-eared Myotis                   | 6/1/1996 | Dropped from USFWS Category 2 Candidate list.   |
| <b>Myotis volans</b><br>Long-legged Myotis                  | 6/1/1996 | Dropped from USFWS Category 2 Candidate list.   |
| <b>Myotis ciliolabrum</b><br>Western Small-footed Myotis    | 6/1/1996 | Dropped from USFWS Category 2 Candidate list.   |
| <b>Sceloporus graciosus</b><br>Common Sagebrush Lizard      | 6/1/1996 | Dropped due to indications the species is more common and widespread than previously known.   |
| <b>Phrynosoma hernandesi</b><br>Greater Short-horned Lizard | 6/1/1996 | Dropped from USFWS Category 2 Candidate list. Note: at this time the species in Montana was recognized as Short-horned Lizard ( <i>Phrynosoma douglasi</i> ). |
| <b>Rana luteiventris</b><br>Columbia Spotted Frog           | 6/1/1996 | Dropped from USFWS Category 2 Candidate list.   |
| <b>Ascaphus montanus</b><br>Rocky Mountain Tailed Frog      | 6/1/1996 | Dropped from USFWS Category 2 Candidate list.   |
| <b>Platygobio gracilis</b><br>Flathead Chub                 | 6/1/1996 | Dropped from USFWS Category 2 Candidate list.   |
| <b>Hybognathus placitus</b><br>Plains Minnow                | 6/1/1996 | Dropped from USFWS Category 2 Candidate list.   |
| <b>Hybognathus argyritis</b><br>Western Silvery Minnow      | 6/1/1996 | Dropped from USFWS Category 2 Candidate list.   |
| <b>Speyeria idalia</b><br>Regal Fritillary                  | 6/1/1996 | Dropped from USFWS Category 2 Candidate list.   |
| <b>Lanius ludovicianus</b><br>Loggerhead Shrike             | 2/1/1995 | Dropped from USFWS Category 2 Candidate list.   |
| <b>Mniotilta varia</b><br>Black-and-white Warbler           | 3/1/1994 | Dropped for undocumented reasons.   |
| <b>Poecile hudsonicus</b><br>Boreal Chickadee               | 3/1/1994 | Dropped for undocumented reasons.   |
| <b>Passerina cyanea</b><br>Indigo Bunting                   | 3/1/1994 | Dropped for undocumented reasons.   |
| <b>Icterus spurius</b><br>Orchard Oriole                    | 3/1/1994 | Dropped for undocumented reasons.   |
| <b>Ascaphus montanus</b><br>Rocky Mountain Tailed Frog      | 3/1/1994 | Dropped because species was found to be more widespread and common than previously recognized.  |
| <b>Speyeria idalia</b><br>Regal Fritillary                  | 3/1/1994 | Dropped for undocumented reasons.   |
| <b>Rana luteiventris</b><br>Columbia Spotted Frog           | 5/1/1993 | Dropped for undocumented reasons.   |
| <b>Myotis californicus</b><br>California Myotis             | 9/1/1992 | Dropped for undocumented reasons.   |

SPECIES REMOVED FROM STATEWIDE LIST

| SPECIES  | DATE      | NOTES                             |
|--|-----------|-----------------------------------|
| <b>Sialia sialis</b><br>Eastern Bluebird             | 9/1/1992  | Dropped for undocumented reasons. |
| <b>Numenius americanus</b><br>Long-billed Curlew     | 9/1/1992  | Dropped for undocumented reasons. |
| <b>Buteo swainsoni</b><br>Swainson's Hawk            | 9/1/1992  | Dropped for undocumented reasons. |
| <b>Elgaria coerulea</b><br>Northern Alligator Lizard | 9/1/1992  | Dropped for undocumented reasons. |
| <b>Cycleptus elongatus</b><br>Blue Sucker            | 5/1/1991  | Dropped for undocumented reasons. |
| <b>Taricha granulosa</b><br>Rough-skinned Newt       | 2/27/1990 | Dropped for undocumented reasons. |
| <b>Sorex merriami</b><br>Merriam's Shrew             | 4/22/1987 | Dropped for undocumented reasons. |
| <b>Sorex eximius</b><br>Western Pygmy Shrew          | 4/22/1987 | Dropped for undocumented reasons. |
| <b>Spilogale gracilis</b><br>Western Spotted Skunk   | 4/22/1987 | Dropped for undocumented reasons. |
| <b>Strix varia</b><br>Barred Owl                     | 4/22/1987 | Dropped for undocumented reasons. |
| <b>Dolichonyx oryzivorus</b><br>Bobolink             | 4/22/1987 | Dropped for undocumented reasons. |
| <b>Spizella breweri</b><br>Brewer's Sparrow          | 4/22/1987 | Dropped for undocumented reasons. |
| <b>Spizella pallida</b><br>Clay-colored Sparrow      | 4/22/1987 | Dropped for undocumented reasons. |
| <b>Accipiter cooperii</b><br>Cooper's Hawk           | 4/22/1987 | Dropped for undocumented reasons. |
| <b>Megascops asio</b><br>Eastern Screech-Owl         | 4/22/1987 | Dropped for undocumented reasons. |
| <b>Spizella pusilla</b><br>Field Sparrow             | 4/22/1987 | Dropped for undocumented reasons. |
| <b>Aquila chrysaetos</b><br>Golden Eagle             | 4/22/1987 | Dropped for undocumented reasons. |
| <b>Asio otus</b><br>Long-eared Owl                   | 4/22/1987 | Dropped for undocumented reasons. |
| <b>Falco columbarius</b><br>Merlin                   | 4/22/1987 | Dropped for undocumented reasons. |
| <b>Accipiter gentilis</b><br>Northern Goshawk        | 4/22/1987 | Dropped for undocumented reasons. |
| <b>Glaucidium gnoma</b><br>Northern Pygmy-Owl        | 4/22/1987 | Dropped for undocumented reasons. |
| <b>Aegolius acadicus</b><br>Northern Saw-whet Owl    | 4/22/1987 | Dropped for undocumented reasons. |
| <b>Falco mexicanus</b><br>Prairie Falcon             | 4/22/1987 | Dropped for undocumented reasons. |
| <b>Bartramia longicauda</b><br>Upland Sandpiper      | 4/22/1987 | Dropped for undocumented reasons. |
| <b>Sialia mexicana</b><br>Western Bluebird           | 4/22/1987 | Dropped for undocumented reasons. |

SPECIES REMOVED FROM STATEWIDE LIST

| SPECIES   | DATE      | NOTES                             |
|---|-----------|-----------------------------------|
| <b>Megascops kennicottii</b><br>Western Screech-Owl | 4/22/1987 | Dropped for undocumented reasons. |

## This section is not filtered by Geography

It includes species in need of recent survey data across their entire Montana range.  
Species and Rank/Status filters are used, if selected.

## SOC and PSOC that Lack Baseline Surveys

All Records (no filtering)

| MAMMALS (MAMMALIA)   |  |           |             |            |   |   |               | 12 SPECIES   |
|--|--|-----------|-------------|------------|---|---|---------------|--|
| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT                | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)             | MT STATUS | GLOBAL RANK | STATE RANK | USFS FOREST   | BLM FIELD OFFICE                          | FWP REGION    | COMMENTS   |
| <b>Chaetodipus hispidus</b><br>Hispid Pocket Mouse         | <b>Heteromyidae</b><br>Pocket Mice / Kangaroo Rats | SOC       | G5          | S3         | Custer  | Miles City                                | 7             | Surveys needed in mixed grassland and open Ponderosa Pine forest in Carter County.   |
| <b>Erethizon dorsatum</b><br>North American Porcupine      | <b>Erethizontidae</b><br>Porcupines                | PSOC      | G5          | S3S4       | All forests   | All field offices                         | All regions   | Need baseline surveys of mixed conifer/deciduous forest with shrub understory statewide.   |
| <b>Euderma maculatum</b><br>Spotted Bat                    | <b>Vespertilionidae</b><br>Bats                    | SOC       | G4          | S3         | Beaverhead/Deerlodge, Custer, Helena, Lewis and Clark                       | Billings, Butte, Dillon, Havre, Lewistown | 3, 4, 5, 6, 7 | Need acoustic surveys targeting big cliff habitats. Once areas of high activity are identified, targeted mistnetting in the early to mid summer should be used to document breeding. |
| <b>Lepus californicus</b><br>Black-tailed Jackrabbit       | <b>Leporidae</b><br>Rabbits                        | PSOC      | G5          | SU         | Beaverhead/Deerlodge  | Dillon                                    | 3             | Need summer and winter headlight/spotlight surveys in sagebrush and grassland habitats across Beaverhead and Madison counties.   |
| <b>Marmota caligata</b><br>Hoary Marmot                    | <b>Sciuridae</b><br>Squirrels                      | PSOC      | G5          | S3S4       | Beaverhead/Deerlodge, Bitterroot, Lewis and Clark, Lolo, Flathead, Kootenai | Dillon                                    | 1, 2, 3, 4    | Need surveys of grass and forb covered alpine/subalpine slopes with talus nearby.  |
| <b>Myotis yumanensis</b><br>Yuma Myotis                    | <b>Vespertilionidae</b><br>Bats                    | SOC       | G5          | S3         | Flathead, Kootenai, Lolo  |   | 1             | Need targeted acoustic surveys paired with mist netting and genetic analysis in Northwestern Montana.  |
| <b>Neotamias umbrinus</b><br>Uinta Chipmunk                | <b>Sciuridae</b><br>Squirrels                      | PSOC      | G5          | SU         | Custer, Gallatin  | Billings, Butte                           | 3, 5          | Need targeted surveys in all high mountain ranges adjacent to the border with northwestern Wyoming.  |
| <b>Perognathus parvus</b><br>Columbia Plateau Pocket Mouse | <b>Heteromyidae</b><br>Pocket Mice / Kangaroo Rats | SOC       | G5          | S3         | Beaverhead/Deerlodge  | Dillon                                    | 3             | Need surveys target grasslands and shrublands with sandier soils.  |
| <b>Spilogale gracilis</b><br>Western Spotted Skunk         | <b>Mephitidae</b><br>Skunks                        | PSOC      | G5          | SU         | Bitterroot, Beaverhead/Deerlodge, Custer, Gallatin, Helena                  | Billings, Butte, Dillon, Missoula         | 2, 3, 5, 7    | Woody or brushy areas along streams or near outcrops should be targeted for survey; recent detections have all been with camera traps.   |
| <b>Thomomys idahoensis</b><br>Idaho Pocket Gopher          | <b>Geomyidae</b><br>Pocket Gophers                 | PSOC      | G4          | S2S4       | Beaverhead/Deerlodge  | Dillon                                    | 3             | In southwestern Montana, the species' northern range boundary and habitat occupancy rates both need to be assessed relative to the distribution of Northern Pocket Gopher.           |
| <b>Urocitellus armatus</b><br>Uinta Ground Squirrel        | <b>Sciuridae</b><br>Squirrels                      | PSOC      | G5          | S3S4       | Beaverhead/Deerlodge, Custer, Gallatin                                      | Butte, Dillon                             | 3, 5          | Need targeted surveys for the species in subalpine meadows and forest edges.   |
| <b>Zapus hudsonius</b><br>Meadow Jumping Mouse             | <b>Dipodidae</b><br>Jumping Mice                   | PSOC      | G5          | S3S4       | Custer  | Billings, Miles City                      | 7             | Need surveys targeting riparian areas and moist grasslands across southeastern Montana.  |

| BIRDS (AVES)                                |  |           |             |            |   |                         |               | 14 SPECIES                                     |
|---|--|-----------|-------------|------------|---|-------------------------|---------------|--|
| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON) | MT STATUS | GLOBAL RANK | STATE RANK | USFS FOREST   | BLM FIELD OFFICE        | FWP REGION    | COMMENTS                                       |
| <b>Aegolius funereus</b><br>Boreal Owl      | <b>Strigidae</b><br>Owls               | PSOC      | G5          | S3S4       | Beaverhead/Deerlodge, Bitterroot, Custer, Flathead, Gallatin, Helena, Kootenai, Lewis and Clark, Lolo | Butte, Dillon, Missoula | 1, 2, 3, 4, 5 | Need call playback surveys of conifer forests. |



|  |  |      |      |       |   |   |                |   |
|--|--|------|------|-------|---|---|----------------|---|
| <b>Beucephala islandica</b><br>Barrow's Goldeneye          | <b>Anatidae</b><br>Swans / Geese / Ducks | PSOC | G5   | S4    | Beaverhead/Deerlodge, Bitterroot, Flathead, Gallatin, Helena, Lewis and Clark, Lolo, Kootenai         | Billings, Butte, Dillon, Lewistown, Missoula  | 1, 2, 3, 4, 5  | Need surveys of mountain lakes and wetlands.  |
| <b>Chaetura pelagica</b><br>Chimney Swift                  | <b>Apodidae</b><br>Swifts                | PSOC | G4G5 | S3S4B | Custer  | Butte, Glasgow, Havre, Miles City, Phillips, Upper Missouri River National Monument                         | 5, 6, 7        | Need surveys of potential roost sites.  |
| <b>Coccyzus americanus</b><br>Yellow-billed Cuckoo         | <b>Cuculidae</b><br>Cuckoos              | SOC  | G5   | S3B   | All Forests   | Billings, Butte, Dillon, Lewistown, Miles City, Missoula  | 1,2,3, 4, 5, 7 | Need call playback surveys along lower elevation riparian areas.  |
| <b>Coccyzus erythrophthalmus</b><br>Black-billed Cuckoo    | <b>Cuculidae</b><br>Cuckoos              | SOC  | G5   | S3B   | Beaverhead/Deerlodge, Custer, Gallatin, Helena, Lewis and Clark                                       | Billings, Butte, Dillon, Glasgow, Havre, Lewistown, Phillips County, Upper Missouri River National Monument | 3, 4, 5, 6, 7  | Need call playback surveys along lower elevation riparian areas east of the Continental Divide.   |
| <b>Cypseloides niger</b><br>Black Swift                    | <b>Apodidae</b><br>Swifts                | SOC  | G4   | S1B   | Beaverhead/Deerlodge, Bitterroot, Flathead, Kootenai, Lewis and Clark, Lolo                           | Missoula  | 1, 2, 3, 4, 5  | Need surveys of potential waterfall nest sites.   |
| <b>Lagopus leucura</b><br>White-tailed Ptarmigan           | <b>Phasianidae</b><br>Upland Game Birds  | SOC  | G5   | S3    | Flathead, Helena, Lewis and Clark, Lolo   |   | 1,4            | Need treeline/alpine surveys.   |
| <b>Leucosticte tephrocotis</b><br>Gray-crowned Rosy-Finch  | <b>Fringillidae</b><br>Finches           | SOC  | G5   | S2    | Beaverhead/Deerlodge, Bitterroot, Flathead, Helena, Kootenai, Lewis and Clark                         |   | 1, 2, 4        | Need surveys of areas near cliffs and talus that are among glaciers and snowfields above treeline.  |
| <b>Lophodytes cucullatus</b><br>Hooded Merganser           | <b>Anatidae</b><br>Swans / Geese / Ducks | PSOC | G5   | S4    | Beaverhead/Deerlodge, Bitterroot, Flathead, Gallatin, Helena, Lewis and Clark, Lolo, Kootenai         | Billings, Butte, Dillon, Missoula   | 1, 2, 3, 4, 5  | Need stream surveys.  |
| <b>Megascops kennicottii</b><br>Western Screech-Owl        | <b>Strigidae</b><br>Owls                 | PSOC | G4G5 | S3S4  | Beaverhead/Deerlodge, Bitterroot, Flathead, Gallatin, Helena, Lewis and Clark, Lolo                   | Butte, Dillon, Missoula   | 1, 2, 3, 4     | Need nocturnal call playback surveys along lower elevation riparian areas across western Montana.   |
| <b>Phalaenoptilus nuttallii</b><br>Common Poorwill         | <b>Caprimulgidae</b><br>Nightjars        | PSOC | G5   | S4B   | All forests   | All field offices   | All regions    | Need baseline nocturnal calling surveys in grasslands and shrublands.   |
| <b>Selasphorus platycercus</b><br>Broad-tailed Hummingbird | <b>Trochilidae</b><br>Hummingbirds       | PSOC | G5   | S4B   | Beaverhead/Deerlodge, Custer, Gallatin  | Billings, Butte, Dillon   | 3, 5, 7        | Need surveys in shrubby hillside and open forest habitats during the known breeding period; preferably with trapping surveys to confirm reproduction. |
| <b>Strix nebulosa</b><br>Great Gray Owl                    | <b>Strigidae</b><br>Owls                 | SOC  | G5   | S3    | Beaverhead/Deerlodge, Bitterroot, Custer, Flathead, Gallatin, Helena, Kootenai, Lewis and Clark, Lolo | Butte, Dillon, Missoula   | 1, 2, 3, 4, 5  | Need nocturnal call playback surveys of meadows and other open areas within conifer forests.  |
| <b>Surnia ulula</b><br>Northern Hawk Owl                   | <b>Strigidae</b><br>Owls                 | SOC  | G5   | S3    | Flathead, Lewis and Clark, Kootenai   |   | 1, 4           | Need surveys in conifer forests, especially in post-fire landscapes, within and around their known breeding range.                                    |

REPTILES (REPTILIA)

7 SPECIES

| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON) | MT STATUS | GLOBAL RANK | STATE RANK | USFS FOREST | BLM FIELD OFFICE | FWP REGION | COMMENTS |
|---|--|-----------|-------------|------------|-------------|------------------|------------|----------|
|---|--|-----------|-------------|------------|-------------|------------------|------------|----------|

|   |   |      |    |     |   |   |               |  |
|---|---|------|----|-----|---|---|---------------|--|
| <b>Chelydra serpentina</b><br>Snapping Turtle               | <b>Chelydridae</b><br>Snapping Turtles              | SOC  | G5 | S3  | Custer  | Billings, Miles City  | 5, 7          | Need trapping surveys on permanent waters; especially rivers and streams.  |
| <b>Elgaria coerulea</b><br>Northern Alligator Lizard        | <b>Anguidae</b><br>Alligator Lizards                | SOC  | G5 | S3  | Bitterroot, Flathead, Kootenai, Lolo                            | Missoula  | 1, 2          | Need surveys of the margins of talus slopes below the subalpine.   |
| <b>Heterodon nasicus</b><br>Plains Hog-nosed Snake          | <b>Colubridae</b><br>Colubrid Snakes                | SOC  | G5 | S2  | Custer  | Billings, Glasgow, Havre, Lewistown, Miles City, Phillips County, Upper Missouri River Breaks                           | 4, 5, 6, 7    | Need funnel trap surveys of sand/gravelly soils, particularly in and adjacent to riparian areas.   |
| <b>Ophedrys vernalis</b><br>Smooth Greensnake               | <b>Colubridae</b><br>Colubrid Snakes                | SOC  | G5 | S2  |   | Miles City  | 6             | Need road and wetland/wet meadow habitat surveys across and slightly beyond their known range during wetter weather in May, June, and early July.          |
| <b>Phrynosoma douglasii</b><br>Pygmy Short-horned Lizard    | <b>Phrynosomatidae</b><br>Sagebrush / Spiny Lizards | PSOC | G5 | SNA | Beaverhead/Deerlodge  | Dillon  | 3             | One 1936 museum record from "Centennial Valley, Montana" and more recent unverified observation record from upper Horse Prairie Creek southwest of Dillon. |
| <b>Phrynosoma hernandesi</b><br>Greater Short-horned Lizard | <b>Phrynosomatidae</b><br>Sagebrush / Spiny Lizards | SOC  | G5 | S3  | Beaverhead/Deerlodge, Custer, Gallatin, Helena, Lewis and Clark | Butte, Billings, Dillon, Glasgow, Havre, Lewistown, Miles City, Phillips County, Upper Missouri River National Monument | 3, 4, 5, 6, 7 | Need visual encounter surveys of sandy/gravelly soils in grasslands and shrublands.  |
| <b>Plestiodon skiltonianus</b><br>Western Skink             | <b>Scincidae</b><br>Skinks                          | SOC  | G5 | S3  | Bitterroot, Kootenai, Lolo                                      | Missoula  | 1, 2          | Need pitfall trap surveys targeting open conifer forests and adjacent grasslands.  |

### FISH (ACTINOPTERYGII)

3 SPECIES

| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT          | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON) | MT STATUS | GLOBAL RANK | STATE RANK | USFS FOREST        | BLM FIELD OFFICE | FWP REGION | COMMENTS   |
|--|--|-----------|-------------|------------|--------------------|------------------|------------|--|
| <b>Myoxocephalus thompsonii</b><br>Deepwater Sculpin | <b>Cottidae</b><br>Sculpins            | SOC       | G5          | S3         |                    | Havre            | 4          | Only documented on the Canadian side of Upper Waterton Lake.   |
| <b>Percopsis omiscomaycus</b><br>Trout-perch         | <b>Percopsidae</b><br>Trout-perch      | SOC       | G5          | S2         |                    | Havre            | 4          | Need focal surveys of deepwater lake habitats and associated tributaries across their range: gillnetting, seining. |
| <b>Prosopium coulterii</b><br>Pygmy Whitefish        | <b>Salmonidae</b><br>Trout             | SOC       | G5          | S3         | Flathead, Kootenai |                  | 1, 4       | Need gill netting and slat trap surveys of deepwater lake habitats.  |

### SOC and PSOC with Outdated Surveys

All Records (no filtering)

### MAMMALS (MAMMALIA)

1 SPECIES

| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT        | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)             | MT STATUS | GLOBAL RANK | STATE RANK | USFS FOREST   | BLM FIELD OFFICE | FWP REGION | COMMENTS  |
|--|--|-----------|-------------|------------|---|------------------|------------|---|
| <b>Synaptomys borealis</b><br>Northern Bog Lemming | <b>Cricetidae</b><br>New World Mice / Rats / Voles | SOC       | G5          | S2         | Beaverhead/Deerlodge, Bitterroot, Flathead, Kootenai, Lewis and Clark, Lolo | Missoula         | 1, 2, 4    | Baseline surveys date to the 1990s. Need surveys of wet meadow and fen habitats with sphagnum moss. |

### BIRDS (AVES)

2 SPECIES

| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT   | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON) | MT STATUS | GLOBAL RANK | STATE RANK | USFS FOREST  | BLM FIELD OFFICE | FWP REGION | COMMENTS  |
|---|--|-----------|-------------|------------|--|------------------|------------|---|
| <b>Leucosticte atrata</b><br>Black Rosy-Finch | <b>Fringillidae</b><br>Finches         | SOC       | G4          | S2         | Beaverhead/Deerlodge,<br>Bitterroot, Custer,<br>Gallatin, Helena | Dillon           | 2, 3, 4, 5 | Species received some baseline survey effort in 1968 and again in 1983 that covered most of the known range of the species in the state. Currently FWP biologists are conducting range wide surveys targeting alpine nesting habitats (crevices in alpine cliffs and talus) and snowfields to provide more robust information about this species. |
| <b>Sternula antillarum</b><br>Least Tern      | <b>Laridae</b><br>Gulls / Terns        | SOC       | G4          | S1B        |  | Miles City       | 7          | Last systematic surveys on the lower Yellowstone River date to the 1990s. Need surveys of unvegetated sand-pebble beaches of shorelines and islands.  |

#### AMPHIBIANS (AMPHIBIA)

1 SPECIES

| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT             | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)        | MT STATUS | GLOBAL RANK | STATE RANK | USFS FOREST                   | BLM FIELD OFFICE | FWP REGION | COMMENTS   |
|---|---|-----------|-------------|------------|-------------------------------|------------------|------------|--|
| <b>Plethodon idahoensis</b><br>Coeur d'Alene Salamander | <b>Plethodontidae</b><br>Lungless Salamanders | SOC       | G4          | S2         | Bitterroot,<br>Kootenai, Lolo |                  | 1, 2       | Range-wide baseline surveys date to the 1980s. More recent surveys have been conducted in Northwestern Montana, but surveys are still needed in the central and southern portions of this species range. Need surveys of waterfall spray zones, springs, seeps, and streambanks that have underground cracks, crevices, and chambers that have year round water. |

#### INVERTEBRATES - MOLLUSKS

1 SPECIES

| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)                | MT STATUS | GLOBAL RANK | STATE RANK | USFS FOREST      | BLM FIELD OFFICE | FWP REGION | COMMENTS  |
|---|---|-----------|-------------|------------|------------------|------------------|------------|---|
| <b>Fisherola nuttalli</b><br>Shortface Lanx | <b>Lymnaeidae</b><br>Fossarials / Pondsnailed / Lanxs | SOC       | G2          | S1         | Bitterroot, Lolo | Missoula         | Region 2   | Need surveys of historically occupied cold fast streams and rivers with cobble-boulder diatom covered substrates in the Clark Fork River basin. |

### Non SOC that Lack Baseline Surveys

All Records (no filtering)

#### MAMMALS (MAMMALIA)

9 SPECIES

| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT           | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON)                | MT STATUS | GLOBAL RANK | STATE RANK | USFS FOREST   | BLM FIELD OFFICE   | FWP REGION          | COMMENTS   |
|---|---|-----------|-------------|------------|---|--|---------------------|--|
| <b>Glaucomys sabrinus</b><br>Northern Flying Squirrel | <b>Sciuridae</b><br>Squirrels                         |           | G5          | S4         | Lewis and Clark,<br>Helena, Custer,<br>Gallatin,<br>Bitterroot,<br>Flathead,<br>Beaverhead-<br>Deerlodge, Lolo,<br>Kootenai | Missoula, Butte,<br>Billings, Dillon,<br>Lewistown                       | 1, 2, 3, 4, 5       | All observations are incidental. The species geographic range may be broader than is currently recognized. Species needs surveys of forested areas across its known and potential geographic range in the state using nest boxes, live tomahawk traps with wax card board shelters, or potentially camera traps. |
| <b>Lepus townsendii</b><br>White-tailed Jackrabbit    | <b>Leporidae</b><br>Rabbits                           |           | G5          | S4         | Lewis and Clark,<br>Helena, Custer,<br>Gallatin,<br>Bitterroot,<br>Flathead,<br>Beaverhead-<br>Deerlodge, Lolo              | Missoula, Miles<br>City, Butte,<br>Billings, Dillon,<br>Malta, Lewistown | 1, 2, 3, 4, 5, 6, 7 | Structured surveys are needed for this species across the state. Spotlighting and/or visual encounter surveys along roads at night should be adequate to establish baselines for this species.   |
| <b>Neotoma cinerea</b><br>Bushy-tailed Woodrat        | <b>Cricetidae</b><br>New World Mice / Rats /<br>Voles |           | G5          | S5         | Lewis and Clark,<br>Helena, Custer,<br>Gallatin,<br>Bitterroot,<br>Flathead,<br>Beaverhead-<br>Deerlodge, Lolo,<br>Kootenai | Missoula, Miles<br>City, Butte,<br>Billings, Dillon,<br>Malta, Lewistown | 1, 2, 3, 4, 5, 6, 7 | Species has never really been targeted with surveys and the majority of observations are incidental or detections of middens. To determine baseline metrics, systematic surveys of suitable structures like cliffs, rock outcrops, and caves is necessary across this species range.                             |

|   |                                     |  |    |    |  |  |                     |  |
|---|-------------------------------------|--|----|----|--|--|---------------------|--|
| <b>Ochotona princeps</b><br>American Pika           | <b>Ochotonidae</b><br>Pikas         |  | G5 | S5 | Lewis and Clark, Helena, Custer Gallatin, Bitterroot, Flathead, Beaverhead-Deerlodge, Lolo, Kootenai | Missoula, Butte, Billings, Dillon, Malta, Lewistown  | 1, 2, 3, 4, 5       | Systematic surveys are limited to the Bitterroot Mountains and relatively small areas in the Absaroka/Beartooths. Across other ranges, observations are primarily incidental in nature. Species needs systematic surveys of talus, boulder fields, and adjacent meadow habitats across a range of elevations throughout their known breeding range in the state.   |
| <b>Sciurus niger</b><br>Eastern Fox Squirrel        | <b>Sciuridae</b><br>Squirrels       |  | G5 | S4 | Custer Gallatin  | Miles City, Billings   | 5,7                 | Within the native range of this species, no taxa specific surveys have been conducted and other small mammal survey methods are unlikely to detect this species. Visual encounter transects or tomahawk live trapping along ash draws and riparian corridors in SC and SE Montana is needed to establish robust baselines for this species.  |
| <b>Sylvilagus audubonii</b><br>Desert Cottontail    | <b>Leporidae</b><br>Rabbits         |  | G5 | S5 | Custer, Lewis and Clark  | Billings, Glasgow, Havre, Lewistown, Miles City, Phillips County, Upper Missouri River National Monument | 4, 5, 6, 7          | Range-wide systematic surveys are needed for all cottontail species. Identification of cottontail species can be problematic in areas where the ranges of Desert Mountain, and/or Eastern Cottontail overlap. To gain information about the status of this species live trapping efforts across E Montana are necessary.   |
| <b>Sylvilagus floridanus</b><br>Eastern Cottontail  | <b>Leporidae</b><br>Rabbits         |  | G5 | S4 | Custer   | Miles City   | 7                   | Summer and winter headlight/spotlight surveys need to be conducted in riparian areas across the species' known range. Trapping/handling may be needed to distinguish from Desert Cottontail with certainty.  |
| <b>Sylvilagus nuttallii</b><br>Mountain Cottontail  | <b>Leporidae</b><br>Rabbits         |  | G5 | S5 | Lewis and Clark, Helena, Custer Gallatin, Bitterroot, Flathead, Beaverhead-Deerlodge, Lolo, Kootenai | Missoula, Miles City, Butte, Billings, Dillon, Malta, Lewistown  | 1, 2, 3, 4, 5, 6, 7 | Baseline surveys across central and eastern Montana are needed for this and other cottontail species. Although track and spotlight surveys are appropriate for regions with a single species, due similar appearance and habitat associations of this group, surveys conducted in areas with multiple cottontail species should use methods that allow in hand identification.   |
| <b>Thomomys talpoides</b><br>Northern Pocket Gopher | <b>Geomysidae</b><br>Pocket Gophers |  | G5 | S5 | Lewis and Clark, Helena, Custer Gallatin, Bitterroot, Flathead, Beaverhead-Deerlodge, Lolo, Kootenai | Missoula, Butte, Billings, Dillon, Lewistown   | 1, 2, 3, 4, 5       | Surveys targeting Pocket Gophers need to be conducted across Beaverhead, Madison, Gallatin, Ravalli, Granite, Deerlodge, and Silver Bow Counties in order to determine the range boundaries and degree of overlap in ranges of Idaho and Northern Pocket Gophers. Taxa specific live trapping methods and/or EDNA collection from spoil piles or burrows should be implemented. Across the rest of Montana, Northern Pocket Gopher distribution and status information could easily be gathered through documentation of excavation spoil piles. |

**BIRDS (AVES)**

**15 SPECIES**

| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT         | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON) | MT STATUS | GLOBAL RANK | STATE RANK | USFS FOREST  | BLM FIELD OFFICE  | FWP REGION          | COMMENTS  |
|---|--|-----------|-------------|------------|--|---|---------------------|---|
| <b>Actitis macularius</b><br>Spotted Sandpiper      | <b>Scolopacidae</b><br>Sandpipers      |           | G5          | S5B        | Lewis and Clark, Helena, Custer Gallatin, Bitterroot, Flathead, Beaverhead-Deerlodge, Lolo, Kootenai | Missoula, Miles City, Butte, Billings, Dillon, Malta, Lewistown | 1, 2, 3, 4, 5, 6, 7 | Although this species may be documented incidentally during other structured surveys, current survey effort is not adequate to establish baseline metrics for this species. Surveys targeting streams and rivers across this species range are necessary. |
| <b>Aeronautes saxatalis</b><br>White-throated Swift | <b>Apodidae</b><br>Swifts              |           | G5          | S5B        | Lewis and Clark, Helena, Custer Gallatin, Bitterroot, Flathead, Beaverhead-Deerlodge, Lolo, Kootenai | Missoula, Miles City, Butte, Billings, Dillon, Malta, Lewistown | 1, 2, 3, 4, 5, 6, 7 | Observations are mostly incidental from a variety of citizen birders. Need a survey effort targeting cliff roosting/nesting sites across western and southeastern Montana.  |

|  |  |      |      |       |   |   |                     |   |
|--|--|------|------|-------|---|---|---------------------|---|
| <b>Archilochus alexandri</b><br>Black-chinned Hummingbird      | <b>Trochilidae</b><br>Hummingbirds         |      | G5   | S4B   | Lewis and Clark, Helena, Custer Gallatin, Bitterroot, Flathead, Beaverhead-Deerlodge, Lolo, Kootenai                            | Missoula, Butte, Billings, Dillon                               | 1, 2, 3, 4          | Species is not well represented by BBS, IMBCR, or other point count surveys. Most data has come from citizen birders or special efforts like Ned and Gigi Batchelder's trapping program. Need more focal surveys of preferred shrubby hillside and open forest habitats during the known breeding period; preferably with trapping surveys to confirm reproduction. |
| <b>Bucephala albeola</b><br>Bufflehead                         | <b>Anatidae</b><br>Swans / Geese / Ducks   |      | G5   | S5B   | Lewis and Clark, Helena, Custer Gallatin, Bitterroot, Flathead, Beaverhead-Deerlodge, Lolo, Kootenai                            | Missoula, Miles City, Butte, Billings, Dillon, Malta, Lewistown | 1, 2, 3, 4, 5, 6, 7 | Range-wide waterbird surveys led by FWP were conducted in 1996 and 2009-1010, although coverage was poor in SW Montana. Other surveys associated with Wildlife Refuges are performed more regularly. Across the rest of the range survey effort is inadequate or to determine state-wide baseline metrics for the species.  |
| <b>Bucephala clangula</b><br>Common Goldeneye                  | <b>Anatidae</b><br>Swans / Geese / Ducks   |      | G5   | S5    | Lewis and Clark, Helena, Custer Gallatin, Bitterroot, Flathead, Beaverhead-Deerlodge, Lolo, Kootenai                            | Missoula, Miles City, Butte, Billings, Dillon, Malta, Lewistown | 1, 2, 3, 4, 5, 6, 7 | Species breeds in mountain lakes. Although they are detected on annual Wildlife Refuge and WPA surveys this does not provide adequate range-wide survey coverage. Targeted surveys of suitable waterbodies in the spring and summer will provide baseline data and help assess the status of this species in Montana.   |
| <b>Chaetura vauxi</b><br>Vaux's Swift                          | <b>Apodidae</b><br>Swifts                  |      | G5   | S4B   | Lewis and Clark, Helena, Bitterroot, Flathead, Beaverhead-Deerlodge, Lolo, Kootenai   | Missoula, Butte, Lewistown                                      | 1, 2                | Observations are mostly incidental from a variety of citizen birders and confirmed breeding has mostly been documented through detection of injured fledglings. Need a survey effort targeting likely roost sites in urban areas across western Montana.  |
| <b>Chordeiles minor</b><br>Common Nighthawk                    | <b>Caprimulgidae</b><br>Nightjars          |      | G5   | S5B   | Lewis and Clark, Helena, Custer Gallatin, Bitterroot, Flathead, Beaverhead-Deerlodge, Lolo, Kootenai                            | Missoula, Miles City, Butte, Billings, Dillon, Malta, Lewistown | 1, 2, 3, 4, 5, 6, 7 | Species is almost exclusively reported through incidental observations. Need statewide surveys of this species using Western Working Group of Partners in Flight protocols. This could possibly be combined with surveys for other nocturnal bird species.  |
| <b>Empidonax wrightii</b><br>Gray Flycatcher                   | <b>Tyrannidae</b><br>Flycatchers           | PSOC | G5   | S3S4B | Custer Gallatin, Beaverhead-Deerlodge   | Billings, Dillon  | 3, 5                | Species is a rare summer breeder and not covered by the annual BBS survey routes and IMBCR and/or other point count efforts given their rarity. The species' distribution/status may best be tracked by citizen birders surveying appropriate sagebrush habitats in and around the areas in SW and SC Montana where they have been previously detected.\)           |
| <b>Gallinago delicata</b><br>Wilson's Snipe                    | <b>Scolopacidae</b><br>Sandpipers          |      | G5   | S5    | Lewis and Clark, Dakota Prairie Grasslands, Helena, Custer Gallatin, Bitterroot, Flathead, Beaverhead-Deerlodge, Lolo, Kootenai | Missoula, Miles City, Butte, Billings, Dillon, Malta, Lewistown | 1, 2, 3, 4, 5, 6, 7 | This species is detected by BBS and other point counts, but spring nocturnal bird calling surveys may be necessary to establish robust baseline metrics. It may be possible to pair this survey work with nocturnal amphibian calling surveys.  |
| <b>Glaucidium gnoma</b><br>Northern Pygmy-Owl                  | <b>Strigidae</b><br>Owls                   |      | G4G5 | S4    | Lewis and Clark, Helena, Custer Gallatin, Bitterroot, Flathead, Beaverhead-Deerlodge, Lolo, Kootenai                            | Missoula, Butte, Billings, Dillon, Lewistown                    | 1, 2, 3, 4, 5       | Need to establish a late winter / early spring rangewide call playback survey beyond what has been done by the ORI for a portion of western Montana, and the early 1990s surveys by MTNHP on portions of the Gallatin and Lewis and Clark National Forests.   |
| <b>Junco hyemalis aikeni</b><br>Dark-eyed Junco (White-winged) | <b>Passerellidae</b><br>New World Sparrows |      | G5T4 | SU    | Custer Gallatin   | Miles City  | 7                   | Species had some baseline surveys done in association with Northern Goshawk calling stations on portions of the Sioux District of the Custer National Forest, but needs focal surveys on other Ponderosa Pine savannah across and adjacent to their known range in SE Montana.  |

|  |  |  |        |     |  |   |                     |   |
|--|--|--|--------|-----|--|---|---------------------|---|
| <b>Mergus merganser</b><br>Common Merganser                        | <b>Anatidae</b><br>Swans / Geese / Ducks   |  | G5     | S5B | Lewis and Clark, Helena, Custer Gallatin, Bitterroot, Flathead, Beaverhead-Deerlodge, Lolo, Kootenai | Missoula, Miles City, Butte, Billings, Dillon, Malta, Lewistown | 1, 2, 3, 4, 5, 6, 7 | Although this species is included with the annual May USFWS waterfowl population and habitat (HAPET) surveys, these surveys are only conducted across eastern Montana and western Montana receives little survey effort. To determine state-wide baseline metrics, stream surveys targeting this species are needed.  |
| <b>Selasphorus calliope</b><br>Calliope Hummingbird                | <b>Trochilidae</b><br>Hummingbirds         |  | G5     | S5B | Lewis and Clark, Helena, Custer Gallatin, Bitterroot, Flathead, Beaverhead-Deerlodge, Lolo, Kootenai | Missoula, Butte, Billings, Dillon, Lewistown                    | 1, 2, 3, 4, 5       | Species is not well represented by BBS, IMBCR, or other point count surveys. Most data has come from citizen birders or special efforts like Ned and Gigi Batchelder's trapping program. Need more focal surveys of preferred shrubby hillside and open forest habitats during the known breeding period; preferably with trapping surveys to confirm reproduction. |
| <b>Spizella breweri taverneri</b><br>Brewer's Sparrow (Timberline) | <b>Passerellidae</b><br>New World Sparrows |  | G5T4T5 | S3B | Lewis and Clark  | Malta, Lewistown  | 4                   | Need systematic baseline surveys of subalpine shrub habitats along the east front of the Rocky Mountains.   |
| <b>Strix varia</b><br>Barred Owl                                   | <b>Strigidae</b><br>Owls                   |  | G5     | S4  | Lewis and Clark, Helena, Custer Gallatin, Bitterroot, Flathead, Beaverhead-Deerlodge, Lolo, Kootenai | Missoula, Butte, Dillon, Malta, Lewistown                       | 1, 2, 3, 4          | Need to establish a late winter / early spring rangewide call playback survey beyond what has been done by the ORI for a portion of western Montana, and the early 1990s surveys by MTNHP on portions of the Gallatin and Lewis and Clark National Forests.   |

| REPTILES (REPTILIA)                          |  |           |             |            |  |  |                  | 1 SPECIES  |
|--|--|-----------|-------------|------------|--|--|------------------|--|
| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT  | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON) | MT STATUS | GLOBAL RANK | STATE RANK | USFS FOREST  | BLM FIELD OFFICE   | FWP REGION       | COMMENTS   |
| <b>Charina bottae</b><br>Northern Rubber Boa | <b>Boidae</b><br>Boas                  |           | G5          | S4         | Lewis and Clark, Helena, Custer Gallatin, Bitterroot, Flathead, Beaverhead-Deerlodge, Lolo, Kootenai | Missoula, Miles City, Butte, Billings, Dillon, Lewistown | 1, 2, 3, 4, 5, 7 | Current data is completely incidental. Species needs focal road surveys on evenings after thunderstorms in June and July across their known range. This might be able to be paired with other fieldwork. Since 2012 several observations of this species have been reported to the northeast of the Bighorn Mountains extending the range of this species into Southeastern Montana. Future survey efforts should include this area to provide further data on its range in this area. |

: Citation for data on this website:  
 : Montana Animal Species of Concern Report. Montana Natural Heritage Program and Montana Fish, Wildlife and Parks. Retrieved on 7/10/2023, from [mtnhp.org/SpeciesOfConcern/?AorP=a](https://mtnhp.org/SpeciesOfConcern/?AorP=a)