



A program of the Natural
Resource Information System,
Montana State Library

Plant Species of Concern

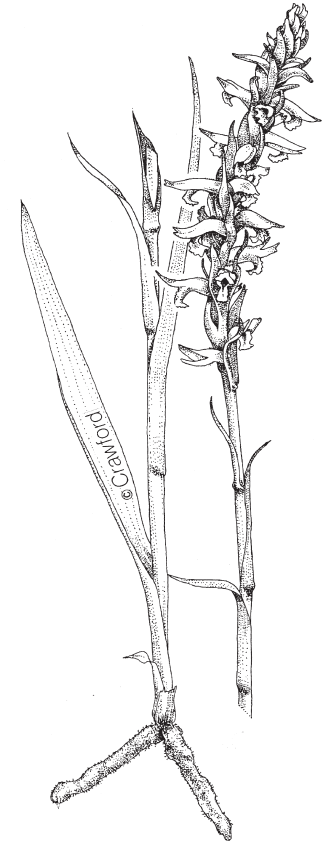
April 2003

Introduction

The Montana Natural Heritage Program (MTNHP) serves as the state's clearinghouse and principle information source on Species of Concern — plants and animals that are at risk or potentially at risk in Montana. This report, which updates and replaces our 2001 publication, identifies 330 vascular plant Species of Concern, and 220 vascular plants of Potential Concern in the state, based on information gathered from field inventories, publications and reports, herbarium specimens, and the knowledge of Montana botanists. Also included are the preliminary status ranks for 111 bryophyte species and 114 lichen species currently considered rare or potentially rare in Montana, based on recent work by experts studying these groups; that listing remains unchanged from the 2001 publication.

This update includes one new Species of Concern. Seven have been downgraded to Potential Concern (see page 2); two other species were added as Potential Concern, bringing the total additions to nine. Also, as of this update, state ranks are now consistent with the lists; all Species of Concern have ranks of S1 through S2S3 or SH (historical records only), whereas the Potential Concern list includes those ranked as S3 or lower or of uncertain status.

The Montana Natural Heritage Program continuously reviews and updates status ranks as new information and insights are generated by field surveys, research, and observations. Proposed rank or rank changes, and information supporting them, are informally reviewed by botanists and resource specialists throughout the state, who provide their perspectives and any additional information to guide the biological assessment process. The information that we receive from botanists and others throughout the state is essential in this process, and contributes to more accurate assessments of species' status. We continue to ask that all observations of these species be reported to the Heritage Program, with as much detail as possible. Field survey forms specifying the information that should be submitted are available on our website.



Ute Ladies' Tresses
(*Spiranthes diluvialis*)
Illustration by Carolyn Crawford

Table of Contents

Introduction	1	Bryophytes	28
How to Read the Lists	2	Lichens	30
Plant Species of Concern	5	Map of Montana Counties	33
Plant Species of Potential Concern	22	Forest Service Sensitive Plant List	34
Introduction to Nonvascular Plant Species	27	BLM Sensitive Plant List	34

Some changes will likely be made to state and global ranks as new information comes in, and changes made between publications may be reflected in data queries to the MTNHP website: <http://nhp.nris.state.mt.us/>.

Our on-line *Rare Plant Field Guide* provides information on species' characteristics, identification, habitat, distribution, and references, as well as technical illustrations and photographs of the plants and their habitats. We are currently in the process of adding expanded habitat information, and sections on ecology and management, as well as a brief justification for the state rank. The *Rare Plant Field Guide* primarily covers Species of Concern, however some Potential Concern species are also included.

Distributional data on Plant Species of Concern can be queried on-line by county, topographic quadrangle (7.5') and public land management unit. A link to the NatureServe website provides access to information on the status of species throughout North America, assembled from state and provincial Natural Heritage databases (<http://www.natureserve.org/>). More detailed information or additional assistance can be requested from MTNHP using the *Information Request* function on our website, or by phone, e-mail or mail.

Additions to the Species of Concern List

Senecio spribillei

Deletions from the Species of Concern List

(Downgraded to Species of Potential Concern)

Allotropa virgata

Botrychium montanum

Carex livida

Chrysosplenium tetrandrum

Lycopodium sitchense

Castilleja gracillima

Oenothera pallida var. *idahoensis*

How To Read The Lists

Species that have been added to the Concern or Potential Concern lists are **bolded and underlined**. Where only the state rank has been changed, that rank is **bolded**. Changes in global ranks are not highlighted. Also provided are federal designations under the U.S. Endangered Species Act and administrative designations assigned by the U.S. Forest Service or Bureau of Land Management; any changes to these status designations since our last publication are not highlighted.

The lists are organized alphabetically by scientific name. Common names are also provided for all vascular plants,

and family names are included for Species of Concern. We have included a number of synonyms recognized as the most current nomenclature or as alternative taxonomic treatments by NatureServe (following Kartesz 1994 and Kartesz 1999) to facilitate searches using NatureServe Explorer (follow the link on our home page). Older names are retained, since they are still used in regional floras; newer names are given in parentheses. We have dropped variety and subspecies designations for many species that are significant in Montana at the species level, regardless of which infraspecific taxa occur (for many of these, only one variety or subspecies is known in Montana). This eliminates potential confusion about whether other subspecies/ varieties, if found, would be included in the status designation. It also minimizes identification to the level of variety and subspecies, which is often difficult with commonly available references. Information on infraspecific taxa will continue to be maintained in our databases.

Heritage Program Ranks

The international network of Natural Heritage Programs employs a standardized ranking system to denote **global** (range-wide) and **state** status (NatureServe 2002). Species are assigned numeric ranks ranging from 1 (high risk) to 5 (demonstrably secure), reflecting the relative degree of risk, based upon available information.

A number of factors are considered in assigning ranks — the number, size and distribution of known occurrences or populations, trends (if known), habitat sensitivity, and definable threats. Factors in a species' life history that make it especially vulnerable are also considered (e.g., dependence on a specific pollinator).

Montana Plant Species of Concern are those with a state ranking of S1 through S2 (including S2S3) or SH (known only from historical records). Species ranked S3 (including S3S4), SU, SR or other special rank designations are treated as Species of Potential Concern. Rank definitions are given below and reflect some updates in terminology in an attempt to avoid terms like "imperiled" that may be perceived as implying "endangered" or "threatened". The meaning and criteria for ranks remain unchanged, to maintain consistency with international standards.

Rank	Definition
G1 S1	At high risk because of extremely limited and potentially declining population numbers and/or habitat, making it highly vulnerable to global extinction or extirpation in the state.

G2	S2	At risk because of very limited and potentially declining population numbers and/or habitat, making it vulnerable to global extinction or extirpation in the state.
G3	S3	Potentially at risk because of limited range, populations 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	Demonstrably secure, though it may be quite rare in parts of its range.
GU	SU	Possibly at risk, but status uncertain; more information is needed.
GH	SH	Historical, known only from records over 50 year ago; may be rediscovered.
GX	SX	Believed to be extinct globally or extirpated in the state; historical records only.
SR		Reported within the state but the documentation has not been confirmed/verified.
SA		Native in nearby states, but in Montana believed to be accidentally introduced, deliberately planted, or escaped from plantings.
HYB		Recurrent hybrids.

Combination Ranks

G#G# or S#S#

Indicates a range of uncertainty about the status of the species.

Sub-rank

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

Qualifiers

Q Distinctiveness of the taxon is questionable; appended to the global rank, e.g. G3Q.

? Denotes uncertainty; inexactness.

Federal Designations

FISH AND WILDLIFE SERVICE

(U.S. Endangered Species Act)

This column indicates the status of a taxon under the federal Endangered Species Act of 1973 (16 U.S.C.A. § 1531-1543 (Supp. 1996)). Note: The *Category 2 Candidates* designation was dropped in 1996 by the USFWS, and former *Candidate 2* species no longer have any formal status under ESA. Regulatory aspects of the Endangered Species Act affect plants only when they occur on federal lands or are affected by federal actions.

LE **Listed endangered**

LT **Listed threatened**

Howellia aquatilis

Silene spaldingii

Spiranthes diluvialis

P **Proposed endangered or threatened**

C **Candidate with listing warranted but precluded**

Botrychium lineare

FOREST SERVICE

The U.S. Forest Service Manual (2670.22) defines the status of sensitive species on Forest Service lands. The Regional Forester (Northern Region) designates sensitive species on National Forests in Montana; these designations were last updated in 1999, and a full list is included on page 34. They apply only on USFS-administered lands.

S Sensitive species, subspecies or varieties, for which the Regional Forester has determined there is a concern for population viability range-wide or in the region.

BUREAU OF LAND MANAGEMENT

The BLM 6840 Manual defines the status of species on Bureau of Land Management lands. The Montana State Office of the BLM assigned these designations in 1996, and a full list is included on page 34. They apply only on BLM-administered lands.

S Sensitive species are proven imperiled in at least part of their ranges and are documented to occur on BLM lands.

W Watch species are either known to be imperiled and suspected to occur on BLM lands, suspected to be imperiled and documented on BLM lands, or needing further study for other reasons.

County Distribution

County listings have been dropped from the Species of Concern List to make formatting easier to read, and to reduce size. A listing that includes county distributions for Species of Concern is still provided and can be downloaded and printed from the MTNHP website at <http://nhp.nris.state.mt.us/>. County distributions can also be queried for any Species of Concern, and queries to the databases will reflect new information as it is added to the system throughout the year.

Range Notes

Because state- and range-wide distribution patterns are important in assessing and understanding species' status, we have categorized distribution patterns in "range notes" for Species of Concern.

SE State Endemic – known to occur only in Montana.

RE Regional Endemic – restricted to the region, occurring in Montana and just one or very few other states or provinces.

D Disjunct – occurs in Montana well outside the principle or normal range of the species, separated by distances that preclude gene flow.

P Peripheral – occurs in Montana at the outer margins of its contiguous range.

S Sparse – Montana is part of a larger range in which the species is sparsely or unevenly distributed.

Acknowledgements

We would like to gratefully acknowledge the many people who contributed information on plant species' occurrences and distribution throughout Montana over the years – those contributions are the building blocks of the MTNHP databases and this publication. Special thanks go to the botanists who reviewed and provided comments on current changes to listings and status ranks, including Peter Lesica, Maria Mantas, John Pierce, Steve Shelly and Jennifer Whipple.

Selected References

Dorn, R.D. 1984. *Vascular Plants of Montana*. Mountain West Publishing, Cheyenne, WY. 276 pp.

Flora of North America Editorial Committee, eds. 1993+. *Flora of North America North of Mexico*. 4+ vols. New York and Oxford.

Heidel, B. 1999. *Montana plant species of special concern*. Montana Natural Heritage Program, Helena. 26pp.

Heidel, B. 2001. *Montana plant species of concern*. Montana Natural Heritage Program, Helena. 38pp.

Kartesz J.T. 1994. *A synonymized checklist of the vascular flora of the United States, Canada, and Greenland*. 2nd ed. 2 vols. Portland, (OR): Timber Press.

Kartesz, J.T. 1999. *A Synonymized Checklist and Atlas with Biological Attributes for the Vascular Flora of the United States, Canada, and Greenland*. First Edition. In: Kartesz, J.T., and C.A. Meacham. *Synthesis of the North American Flora, Version 1.0*. North Carolina Botanical Garden, Chapel Hill, NC.

Lesica, P., G. Moore, K.M. Peterson, and J.H. Rumely. 1984. *Vascular plants of limited distribution in Montana*. Montana Academy of Science Monograph No. 2.

Lesica, P. and J.S. Shelly. 1991. *Sensitive, threatened and endangered vascular plants of Montana*. Montana Natural Heritage Program, Montana State Library, Helena, Montana.

NatureServe Explorer: An on-line encyclopedia of life [web application]. 2002. Version 1.6. Arlington, Virginia, USA: NatureServe. Available: <http://www.natureserve.org/explorer>. (Accessed: April 15, 2003).

The preferred citation for this document is:

Montana Natural Heritage Program. 2003. *Plant Species of Concern*. MTNHP, Helena. 34 pp.

The Montana Natural Heritage Program
P.O. Box 201800
1515 East Sixth Avenue
Helena, MT 59620-1800
(406) 444-5354 Fax (406) 444-0581
<http://nhp.nris.state.mt.us/>
Email Address: mtnhp@state.mt.us

Vascular Plant Species of Concern

<i>Scientific Name</i> Common Name	Family	Global Rank	State Rank	FWS Status	FS Status	BLM Status	Range Notes
<i>Acorus americanus</i> Sweetflag	Acoraceae	G5	S1				P
<i>Adoxa moschatellina</i> Musk-root	Adoxaceae	G5	S2		S	W	S
<i>Agastache cusickii</i> Cusick's Horse-mint	Lamiaceae	G2G3	S1		S	S	RE
<i>Allium acuminatum</i> Tapertip Onion	Liliaceae	G5	S1		S		P
<i>Allium columbianum</i> Columbia Onion	Liliaceae	G3	S1				D
<i>Allium parvum</i> Small Onion	Liliaceae	G5	S2		S		P
<i>Allium simillimum</i> Dwarf Onion	Liliaceae	G4	S1				RE
<i>Alnus rubra</i> Red Alder	Betulaceae	G5	S1				D
<i>Amerorchis rotundifolia</i> Round-leaved Orchis	Orchidaceae	G5	S2S3		S	W	P
<i>Ammannia coccinea</i> Scarlet Ammannia	Lythraceae	G5	SH				S
<i>Amorpha canescens</i> Lead Plant	Fabaceae	G5	SH				P
<i>Antennaria densifolia</i> Dense-leaved Antennaria	Asteraceae	G3	S1		S		D
<i>Aquilegia brevistyla</i> Short-styled Columbine	Ranunculaceae	G5	S2		S		D
<i>Aquilegia formosa</i> Sitka Columbine	Ranunculaceae	G5	S1				P
<i>Arabis demissa</i> Daggett Rockcress	Brassicaceae	G5	S1			W	P
<i>Arabis fecunda</i> Sapphire Rockcress	Brassicaceae	G2	S2		S	S	SE
<i>Arabis lyrata</i> Lyre-leaf Rockcress	Brassicaceae	G5	SH				P
<i>Arctostaphylos patula</i> Green-leaf Manzanita	Ericaceae	G4	S1				D
<i>Asclepias incarnata</i> Swamp Milkweed	Asclepiadaceae	G5	S1				P
<i>Asclepias ovalifolia</i> Ovalleaf Milkweed	Asclepiadaceae	G5?	S1		S	W	P
<i>Asclepias stenophylla</i> Narrowleaf Milkweed	Asclepiadaceae	G4G5	S1			W	P
<i>Asplenium trichomanes</i> Maidenhair Splenwort	Aspleniaceae	G5	SX				S

Vascular Plant Species of Concern

Scientific Name Common Name	Family	Global Rank	State Rank	FWS Status	FS Status	BLM Status	Range Notes
<i>Aster frondosus</i> Alkali Aster	Asteraceae	G4	S1				P
<i>Astragalus aretioides</i> Sweetwater Milkvetch	Fabaceae	G4	S2			W	RE
<i>Astragalus barrii</i> Barr's Milkvetch	Fabaceae	G3	S2 S3		S	W	RE
<i>Astragalus ceramicus</i> var. <i>apus</i> Painted Milkvetch	Fabaceae	G4T3	S1			S	RE
<i>Astragalus convallarius</i> Lesser Rushy Milkvetch	Fabaceae	G5	S2			W	P
<i>Astragalus geyeri</i> var. <i>geyeri</i> Geyer's Milkvetch	Fabaceae	G4?T4?	S2			S	D
<i>Astragalus grayi</i> Gray's Milkvetch	Fabaceae	G4?	S2				RE
<i>Astragalus lackschewitzii</i> Lackschewitz' Milkvetch	Fabaceae	G2	S2		S		RE
<i>Astragalus oreganus</i> Wind River Milkvetch	Fabaceae	G4?	S1			W	RE
<i>Astragalus racemosus</i> Raceme Milkvetch	Fabaceae	G5	S2				P
<i>Astragalus scaphoides</i> Bitterroot Milkvetch	Fabaceae	G3	S2		S	S	RE
<i>Astragalus terminalis</i> Railhead Milkvetch	Fabaceae	G3	S2			S	RE
<i>Athysanus pusillus</i> Sandweed	Brassicaceae	G4	S1		S		P
<i>Atriplex truncata</i> Wedge-leaved Saltbush	Chenopodiaceae	G5	S1			W	S
<i>Bacopa rotundifolia</i> Roundleaf Water-hyssop	Scrophulariaceae	G5	S1			W	S
<i>Balsamorhiza hookeri</i> Hooker's Balsam-root	Asteraceae	G5	S1				P
<i>Balsamorhiza macrophylla</i> Large-leafed Balsam-root	Asteraceae	G3G5	S1		S	W	P
<i>Bidens beckii</i> (<i>Megalodonta beckii</i> var. <i>beckii</i>) Beck Water-marigold	Asteraceae	G4G5T4	S2		S		P
<i>Boisduvalia densiflora</i> Dense Spike-primrose	Onagraceae	G5	SH				P
<i>Botrychium ascendens</i> Upward-lobed Moonwort	Ophioglossaceae	G2G3	S1		S		S
<i>Botrychium campestre</i> Prairie Dunewort	Ophioglossaceae	G3G4	S1				S
<i>Botrychium crenulatum</i> Wavy Moonwort	Ophioglossaceae	G3	S2		S		S

Vascular Plant Species of Concern

<i>Scientific Name</i> Common Name	Family	Global Rank	State Rank	FWS Status	FS Status	BLM Status	Range Notes
<i>Botrychium hesperium</i> Western Moonwort	Ophioglossaceae	G3G4	S2		S		S
<i>Botrychium lineare</i> Linearleaf Moonwort	Ophioglossaceae	G1	S1	PT			S
<i>Botrychium pallidum</i> Pale Moonwort	Ophioglossaceae	G3	S1				S
<i>Botrychium paradoxum</i> Peculiar Moonwort	Ophioglossaceae	G2	S2		S		S
<i>Botrychium pedunculosum</i> Stalked Moonwort	Ophioglossaceae	G2G3	S1		S		S
<i>Botrychium spathulatum</i> Spoon-leaf Moonwort	Ophioglossaceae	G3	S1				S
<i>Brasenia schreberi</i> Watershield	Cabombaceae	G5	S2		S		S
<i>Braya humilis</i> Low Braya	Brassicaceae	G5	S1				S
<i>Calochortus bruneaunis</i> Bruneau Mariposa Lily	Liliaceae	G5	SH				P
<i>Camissonia andina</i> Obscure Evening -primrose	Onagraceae	G4	S2			S	P
<i>Camissonia parvula</i> Small Camissonia	Onagraceae	G5	S1			S	P
<i>Cardamine oligosperma</i> var. <i>kamtschatica</i> Few-seeded Bittercress	Brassicaceae	G5T3T5	S1				P
<i>Carex amplifolia</i> Big-leaf Sedge	Cyperaceae	G4	S1		S		P
<i>Carex chalciolepis</i> (<i>C. heteroneura</i> var. <i>chalciolepis</i>) Copper-scale Sedge	Cyperaceae	G5T4T5	S1				P
<i>Carex chordorrhiza</i> Creeping Sedge	Cyperaceae	G5	S2		S		P
<i>Carex comosa</i> Bristly Sedge	Cyperaceae	G5	S1				S
<i>Carex crawei</i> Craw's Sedge	Cyperaceae	G5	S2			S	S
<i>Carex gravida</i> Pregnant Sedge	Cyperaceae	G5	S1		S	W	P
<i>Carex idaho</i> Idaho Sedge	Cyperaceae	G2Q	S2		S	S	RE
<i>Carex incurviformis</i> Maritime Sedge	Cyperaceae	G4G5	S1				S
<i>Carex lacustris</i> Lake-bank Sedge	Cyperaceae	G5	S1				D

Vascular Plant Species of Concern

Scientific Name Common Name	Family	Global Rank	State Rank	FWS Status	FS Status	BLM Status	Range Notes
<i>Carex lenticularis</i> var. <i>dolia</i> Goose-grass Sedge	Cyperaceae	G5T3Q	S2				RE
<i>Carex multicosata</i> Many-ribbed Sedge	Cyperaceae	G5	S1			W	P
<i>Carex norvegica</i> ssp. <i>inserrulata</i> Toothed Scandinavian Sedge	Cyperaceae	G5T?Q	S1				D
<i>Carex norvegica</i> ssp. <i>stevenii</i> Steven's Scandinavian Sedge	Cyperaceae	G5T?	S1				P
<i>Carex occidentalis</i> Western Sedge	Cyperaceae	G4	SH			W	P
<i>Carex pallescens</i> Palish Sedge	Cyperaceae	G5	S1				D
<i>Carex parryana</i> ssp. <i>idaho</i> (See <i>Carex idaho</i>)							
<i>Carex petricosa</i> Rock Sedge	Cyperaceae	G4	S1				P
<i>Carex prairea</i> Prairie Sedge	Cyperaceae	G5?	S2		S		P
<i>Carex rostrata</i> Beaked Sedge	Cyperaceae	G5	S1		S		P
<i>Carex scoparia</i> Pointed Broom Sedge	Cyperaceae	G5	S2				S
<i>Carex stenoptila</i> Small-winged Sedge	Cyperaceae	G2	S2				S
<i>Carex sychnocephala</i> Many-headed Sedge	Cyperaceae	G4	S1				S
<i>Carex tenuiflora</i> Thin-flowered Sedge	Cyperaceae	G5	S1				P
<i>Carex tincta</i> Slender Sedge	Cyperaceae	G4G5	S1				P
<i>Carex vaginata</i> Sheathed Sedge	Cyperaceae	G5	S1		S		P
<i>Castilleja cervina</i> Deer Indian Paintbrush	Scrophulariaceae	G4	S1				RE
<i>Castilleja covilleana</i> Coville Indian Paintbrush	Scrophulariaceae	G3G4	S2		S		RE
<i>Castilleja exilis</i> Annual Indian Paintbrush	Scrophulariaceae	G5	S2				P
<i>Ceanothus herbaceus</i> New Jersey Tea	Rhamnaceae	G5	SH			W	P
<i>Celastrus scandens</i> Bittersweet	Celastraceae	G5	S1			W	P
<i>Centaurium exaltatum</i> Western Centuary	Gentianaceae	G5	SH				S

Vascular Plant Species of Concern

<i>Scientific Name</i> Common Name	Family	Global Rank	State Rank	FWS Status	FS Status	BLM Status	Range Notes
<i>Centunculus minimus</i> (<i>Anagallis minima</i>) Chaffweed	Primulaceae	G5	S2			W	S
<i>Cercocarpus montanus</i> var. <i>glaber</i> Birchleaf Mountain-mahogany	Rosaceae	G5T3T5	S1S2			W	P
<i>Chenopodium subglabrum</i> Smooth Goosefoot	Chenopodiaceae	G3G4	S1			W	S
<i>Chrysothamnus parryi</i> ssp. <i>montanus</i> Parry's Mountain Rabbitbush	Asteraceae	G5T1	S1				RE
<i>Cirsium brevistylum</i> Short-styled Thistle	Asteraceae	G4	S2				P
<i>Cirsium longistylum</i> Long-styled Thistle	Asteraceae	G2Q	S2		S		SE
<i>Clarkia rhomboidea</i> Common Clarkia	Onagraceae	G5	S2		S		P
<i>Claytonia arenicola</i> Sand Springbeauty	Portulacaceae	G4	S1		S		P
<i>Cleome lutea</i> Yellow Bee Plant	Capparaceae	G5	S1			W	P
<i>Collomia tinctoria</i> Yellow-staining Collomia	Polemoniaceae	G5	S1				P
<i>Corydalis sempervirens</i> Pale Corydalis	Fumariaceae	G4G5	S1				P
<i>Cryptantha fendleri</i> Fendler Cat's-eye	Boraginaceae	G4	S2			W	S
<i>Cryptantha humilis</i> Round-headed Cryptantha	Boraginaceae	G4?	SH			W	P
<i>Cryptantha scoparia</i> Miner's Candle	Boraginaceae	G4?	S1			S	D
<i>Cyperus acuminatus</i> Short-pointed Flatsedge	Cyperaceae	G5	S1			W	S
<i>Cyperus erythrorhizos</i> Red-root Flatsedge	Cyperaceae	G5	SH				S
<i>Cyperus rivularis</i> (<i>C. bipartitus</i>) Shining Flatsedge	Cyperaceae	G5	S1				S
<i>Cyperus schweinitzii</i> Schweinitz' Flatsedge	Cyperaceae	G5	S2			W	P
<i>Cypripedium fasciculatum</i> Clustered Lady's Slipper	Orchidaceae	G4	S2		S		P
<i>Cypripedium parviflorum</i> Small Yellow Lady's Slipper	Orchidaceae	G5	S2S3		S	W	S
<i>Cypripedium passerinum</i> Sparrow's-egg Lady's Slipper	Orchidaceae	G4G5	S2		S		P
<i>Cystopteris montana</i> Mountain Bladder Fern	Dryopteridaceae	G5	SH				P

Vascular Plant Species of Concern

Scientific Name Common Name	Family	Global Rank	State Rank	FWS Status	FS Status	BLM Status	Range Notes
<i>Dalea enneandra</i> Nine-anther Dalea	Fabaceae	G5	S1			W	P
<i>Dalea villosa</i> Silky Prairie Clover	Fabaceae	G5	S1			W	P
<i>Dichanthelium oligosanthes</i> var. <i>scribnerianum</i> Scribner's Panic Grass	Poaceae	G5T5	S1			W	S
<i>Downingia laeta</i> Great Basin Downingia	Campanulaceae	G5	S1			W	S
<i>Draba densifolia</i> Dense-leaf Draba	Brassicaceae	G5	S2				S
<i>Draba fladnizensis</i> White Arctic Draba	Brassicaceae	G4	S1				S
<i>Draba globosa</i> Round-fruited Draba	Brassicaceae	G3	S1			W	RE
<i>Draba macounii</i> Macoun's Draba	Brassicaceae	G3G4	S1				P
<i>Draba porsildii</i> Porslid's Draba	Brassicaceae	G3G4Q	S1				D
<i>Draba ventosa</i> Wind River Draba	Brassicaceae	G3	S1				S
<i>Drosera anglica</i> English Sundew	Droseraceae	G5	S2		S		S
<i>Drosera linearis</i> Linear-leaved Sundew	Droseraceae	G4	S1		S		P
<i>Dryas integrifolia</i> Entire-leaved Avens	Rosaceae	G5	S1				P
<i>Dryopteris cristata</i> Buckler Fern	Dryopteridaceae	G5	S2		S		P
<i>Eleocharis rostellata</i> Beaked Spikerush	Cyperaceae	G5	S2		S	W	S
<i>Elodea longivaginata</i> Long Sheath Waterweed	Hydrocharitaceae	G4G5	S2			W	S
<i>Elymus flavescens</i> (<i>Leymus flavescens</i>) Sand Wildrye	Poaceae	G4	S1			S	P
<i>Elymus innovatus</i> (<i>Leymus innovatus</i>) Northern Wildrye	Poaceae	G5	S1		S		P
<i>Epipactis gigantea</i> Giant Helleborine	Orchidaceae	G3G4	S2		S	W	S
<i>Erigeron asperugineus</i> Idaho Fleabane	Asteraceae	G4	S1		S	W	RE
<i>Erigeron eatonii</i> Eaton's Daisy	Asteraceae	G5	S1				P
<i>Erigeron evermannii</i> Everman Fleabane	Asteraceae	G4	S1		S		RE

Vascular Plant Species of Concern

<i>Scientific Name</i> Common Name	Family	Global Rank	State Rank	FWS Status	FS Status	BLM Status	Range Notes
<i>Erigeron formosissimus</i> Beautiful Fleabane	Asteraceae	G5	S1			W	D
<i>Erigeron lackschewitzii</i> Lackschewitz' Fleabane	Asteraceae	G3	S2		S		RE
<i>Erigeron leiomerus</i> Smooth Fleabane	Asteraceae	G4	S1				P
<i>Erigeron linearis</i> Linear-leaf Fleabane	Asteraceae	G5	S1				P
<i>Erigeron tener</i> Slender Fleabane	Asteraceae	G4	S1				P
<i>Eriogonum caespitosum</i> Mat Buckwheat	Polygonaceae	G5	S1				P
<i>Eriogonum salsuginosum</i> Smooth Buckwheat	Polygonaceae	G4?	S1			S	P
<i>Eriogonum visherii</i> Visher's Buckwheat	Polygonaceae	G3	S1				RE
<i>Eriophorum callitrix</i> Sheated Cotton-grass	Cyperaceae	G5	S1				S
<i>Eriophorum gracile</i> Slender Cotton-grass	Cyperaceae	G5	S2		S		P
<i>Eupatorium maculatum</i> Joe-pye Weed	Asteraceae	G5	S2			W	P
<i>Eupatorium occidentale</i> (<i>Ageratina occidentalis</i>) Western Boneset	Asteraceae	G4	S2		S		P
<i>Euphrasia arctica</i> var. <i>disjuncta</i> (<i>E. disjuncta</i>) Disjunct Eyebright	Scrophulariaceae	G5	S1				P
<i>Eustoma grandiflorum</i> (<i>E. russellianum</i>) Showy Prairie-gentian	Gentianaceae	G5	S1			W	D
<i>Festuca vivipara</i> Viviparous Fescue	Poaceae	G4G5	S2				P
<i>Gentiana glauca</i> Glaucous Gentian	Gentianaceae	G4G5	S1				P
<i>Gentianopsis macounii</i> Macoun's Gentian	Gentianaceae	G5	S1		S	W	P
<i>Gentianopsis simplex</i> Hiker's Gentian	Gentianaceae	G4	S1		S	W	P
<i>Githopsis specularioides</i> Common Blue-cup	Campanulaceae	G5	S1				P
<i>Glossopetalon nevadense</i> (<i>Glossopetalon spinescens</i> var. <i>aridum</i>) Spiny Greenbush	Crossosomataceae	G5 T5?	S1		S		P
<i>Goodyera repens</i> Northern Rattlesnake-plantain	Orchidaceae	G5	S2 S3		S		S

Vascular Plant Species of Concern

Scientific Name Common Name	Family	Global Rank	State Rank	FWS Status	FS Status	BLM Status	Range Notes
<i>Gratiola ebracteata</i> Bractless Hedge-hyssop	Scrophulariaceae	G4	S1				S
<i>Grayia spinosa</i> Spiny Hopsage	Chenopodiaceae	G5	S2			W	P
<i>Grindelia howellii</i> Howell's Gum-weed	Asteraceae	G3	S2S3		S		RE
<i>Gymnosteris parvula</i> Small-flower Gymnosteris	Polemoniaceae	G4	SH				P
<i>Halimolobos perplexa</i> Puzzling Rockcress	Brassicaceae	G4	S1		S		SE
<i>Haplopappus aberrans</i> (<i>Tonestus aberrans</i>) Idaho Goldenweed	Asteraceae	G3	S1		S		RE
<i>Haplopappus carthamoides</i> var. <i>subsquarrosus</i> (<i>Pyrrocoma carthamoides</i> var. <i>subsquarrosa</i>) Beartooth Large-flowered Goldenweed	Asteraceae	G4G5T2T3	S2		S	W	RE
<i>Haplopappus macronema</i> var. <i>macronema</i> (<i>Ericameria discoidea</i> var. <i>discoidea</i>) Discoïd Goldenweed	Asteraceae	G4G5T4	S1		S		P
<i>Haplopappus nanus</i> (<i>Ericameria nana</i>) Dwarf Goldenweed	Asteraceae	G5	S1				P
<i>Haplopappus pygmaeus</i> (<i>Tonestus pygmaeus</i>) Pygmy Goldenweed	Asteraceae	G4	SH				P
<i>Hemicarpha drummondii</i> (<i>Lipocarpha drummondii</i>) Drummond's Hemicarpha	Cyperaceae	G4G5	SH				P
<i>Heteranthera dubia</i> Water Star-grass	Pontederiaceae	G5	S1		S		S
<i>Heterocodon rariflorum</i> Western Pearl-flower	Campanulaceae	G5	S1		S		S
<i>Howellia aquatilis</i> Water Howellia	Campanulaceae	G2	S2	LT	S		S
<i>Hutchinsia procumbens</i> Hutchinsia	Brassicaceae	G5	S1			W	P
<i>Idahoia scapigera</i> Scalepod	Brassicaceae	G5	S1		S		P
<i>Ipomopsis congesta</i> ssp. <i>crebrifolia</i> Ballhead Gilia	Polemoniaceae	G5T3T4	S2				RE
<i>Ipomopsis minutiflora</i> Small-flower Standing-cypress	Polemoniaceae	G2G3	S1				D
<i>Juncus acuminatus</i> Tapered Rush	Juncaceae	G5	S1				S
<i>Juncus albescens</i> Three-flowered Rush	Juncaceae	G5	S2				S
<i>Juncus covillei</i> var. <i>covillei</i> Coville's Rush	Juncaceae	G4G5T5	S1				P

Vascular Plant Species of Concern

Scientific Name Common Name	Family	Global Rank	State Rank	FWS Status	FS Status	BLM Status	Range Notes
<i>Juncus covillei</i> var. <i>obtusatus</i> Coville's Blunt Rush	Juncaceae	G4G5T4	S1				P
<i>Juncus hallii</i> Hall's Rush	Juncaceae	G4G5	S2		S		P
<i>Kalmia polifolia</i> Pale laurel	Ericaceae	G5	S1		S		P
<i>Kelloggia galioides</i> Kelloggia	Rubiaceae	G5	S1				P
<i>Kobresia macrocarpa</i> (<i>K. sibircia</i>) Large-fruited Kobresia	Cyperaceae	G5	S1				P
<i>Kobresia simpliciuscula</i> Simple Kobresia	Cyperaceae	G5	S2				S
<i>Kochia americana</i> Red Sage	Chenopodiaceae	G5	S1				P
<i>Koenigia islandica</i> Island Koenigia	Polygonaceae	G4	S1				D
<i>Lagophylla ramosissima</i> Slender Hareleaf	Asteraceae	G5	S1				P
<i>Lathyrus bijugatus</i> Latah Tule Pea	Fabaceae	G4	S1		S		RE
<i>Leptodactylon caespitosum</i> Leptodactylon	Polemoniaceae	G4	S2			W	P
<i>Lesquerella carinata</i> var. <i>languida</i> Garnet Bladderpod	Brassicaceae	G3G4T1	S1			S	SE
<i>Lesquerella douglasii</i> Douglas Lesquerella	Brassicaceae	G4?	S1				P
<i>Lesquerella humilis</i> Bitterroot Bladderpod	Brassicaceae	G1	S1		S		SE
<i>Lesquerella lesicii</i> Lesica's Bladderpod	Brassicaceae	G1	S1			S	SE
<i>Lesquerella paysonii</i> Payson Bladderpod	Brassicaceae	G3	S1		S		RE
<i>Lesquerella pulchella</i> Beautiful Bladderpod	Brassicaceae	G2	S2		S	S	SE
<i>Lewisia columbiana</i> Columbia Lewisia	Portulacaceae	G4	S1				RE
<i>Lewisia pygmaea</i> var. <i>nevadensis</i> (<i>L. nevadensis</i>) Nevada Lewisia	Portulacaceae	G4	S1				P
<i>Lilaea scilloides</i> Flowering Quillwort	Juncaginaceae	G5?	S1				P
<i>Liparis loeselii</i> Loesel's Twayblade	Orchidaceae	G5	S1		S		P
<i>Lobelia spicata</i> Pale-spiked Lobelia	Campanulaceae	G5	S1				P

Vascular Plant Species of Concern

<i>Scientific Name</i> Common Name	Family	Global Rank	State Rank	FWS Status	FS Status	BLM Status	Range Notes
<i>Lomatium attenuatum</i> Taper-tip Desert-parsley	Apiaceae	G3	S2			S	RE
<i>Lomatium geyeri</i> Geyer's Biscuitroot	Apiaceae	G4	S2		S		RE
<i>Lomatium nuttallii</i> Nuttall's Desert-parsley	Apiaceae	G3	S1			W	P
<i>Lomatogonium rotatum</i> Felwort	Gentianaceae	G5	S1		S	W	S
<i>Lycopodium dendroideum</i> Treelike Clubmoss	Lycopodiaceae	G5	S1		S		P
<i>Lycopodium inundatum</i> Northern Bog Clubmoss	Lycopodiaceae	G5	S1		S		P
<i>Lycopodium lagopus</i> Running Pine	Lycopodiaceae	G5	S1				P
<i>Maianthemum canadense</i> Wild Lily-of-the-valley	Liliaceae	G5	SH				P
<i>Malacothrix torreyi</i> Desert Dandelion	Asteraceae	G4	S1			S	D
<i>Mentzelia montana</i> White-bract Stickleaf	Loasaceae	G4	SH				P
<i>Mentzelia nuda</i> Bractless Mentzelia	Loasaceae	G5	S1			W	P
<i>Mentzelia pumila</i> Dwarf Mentzelia	Loasaceae	G4	S2			W	P
<i>Mertensia bella</i> Oregon Bluebells	Boraginaceae	G4	S1		S		D
<i>Mimulus breviflorus</i> Short-flowered Monkeyflower	Scrophulariaceae	G4	S1				P
<i>Mimulus nanus</i> Dwarf Purple Monkeyflower	Scrophulariaceae	G5	S1				P
<i>Mimulus patulus</i> Washington Monkeyflower	Scrophulariaceae	G2Q	S1		S		D
<i>Mimulus primuloides</i> Primrose Monkeyflower	Scrophulariaceae	G4	S2		S		P
<i>Mimulus ringens</i> Square-stem Monkeyflower	Scrophulariaceae	G5	S1				P
<i>Najas guadalupensis</i> Guadalupe Water-nymph	Najadaceae	G5	S1			W	P
<i>Nama densum</i> Nama	Hydrophyllaceae	G5	S1			S	P
<i>Nuttallanthus texanus</i> Blue Toadflax	Scrophulariaceae	G4G5	S1			W	P
<i>Nymphaea tetragona</i> ssp. <i>leibergii</i> (<i>N. leibergii</i>) Pygmy Water-lily	Nymphaeaceae	G5	S1				D

Vascular Plant Species of Concern

Scientific Name Common Name	Family	Global Rank	State Rank	FWS Status	FS Status	BLM Status	Range Notes
<i>Ophioglossum pusillum</i> Adder's Tongue	Ophioglossaceae	G5	S2		S		S
<i>Orogenia fusiformis</i> Tapered-rood Orogenia	Apiaceae	G5	S2		S		P
<i>Oxytropis campestris</i> var. <i>columbiana</i> Columbia Crazyweed	Fabaceae	G5T3	S1		S		RE
<i>Oxytropis deflexa</i> var. <i>foliolosa</i> Pendent-pod Crazyweed	Fabaceae	G5T?	S1				S
<i>Oxytropis parryi</i> Parry's Crazyweed	Fabaceae	G5	S1				P
<i>Oxytropis podocarpa</i> Stalked-pod Crazyweed	Fabaceae	G4	S1		S		S
<i>Papaver kluanensis</i> (<i>P. radicum</i> ssp. <i>kluanense</i>) Alpine Poppy	Papaveraceae	G5T3T4	S1				S
<i>Papaver pygmaeum</i> Alpine Glacier Poppy	Papaveraceae	G3	S2 S3				RE
<i>Penstemon angustifolius</i> Narrowleaf Penstemon	Scrophulariaceae	G5	S2			W	P
<i>Penstemon attenuatus</i> var. <i>militaris</i> Taper-leaved Beardtongue	Scrophulariaceae	G4T4	S1				RE
<i>Penstemon globosus</i> Globe Beardtongue	Scrophulariaceae	G4	S2				P
<i>Penstemon grandiflorus</i> Large Flowered Beardtongue	Scrophulariaceae	G5?	S1				P
<i>Penstemon lemhiensis</i> Lemhi Beardtongue	Scrophulariaceae	G3	S2		S	S	RE
<i>Penstemon payettensis</i> Payette Beardtongue	Scrophulariaceae	G4	S1		S		RE
<i>Penstemon whippleanus</i> Whipple's Beardtongue	Scrophulariaceae	G5	S1			S	P
<i>Petasites frigidus</i> Palmate-leaved Coltsfoot	Asteraceae	G5	S1		S		P
<i>Phacelia incana</i> Hoary Phacelia	Hydrophyllaceae	G3G4	S2			W	P
<i>Phacelia scopulina</i> Dwarf Phacelia	Hydrophyllaceae	G4	SH			W	D
<i>Phacelia thermalis</i> Hot Spring Phacelia	Hydrophyllaceae	G3G4	S1			W	D
<i>Phippsia algida</i> Ice Grass	Poaceae	G5	S2				D
<i>Phlox andicola</i> Plains Phlox	Polemoniaceae	G4	S2			W	P
<i>Phlox kelseyi</i> var. <i>missoulensis</i> (<i>P. missoulensis</i>) Missoula Phlox	Polemoniaceae	G2	S2		S		SE

Vascular Plant Species of Concern

Scientific Name Common Name	Family	Global Rank	State Rank	FWS Status	FS Status	BLM Status	Range Notes
<i>Physaria brassicoides</i> Double Bladderpod	Brassicaceae	G5	S2				RE
<i>Physaria didymocarpa</i> var. <i>lanata</i> Woolly Twinpod	Brassicaceae	G5T2	S1				RE
<i>Plagiobothrys leptocladus</i> Slender-branched Popcorn-flower	Boraginaceae	G4	S1			W	D
<i>Poa curta</i> Short-leaved Bluegrass	Poaceae	G4	S1			W	P
<i>Poa laxa</i> ssp. <i>banffiana</i> Banff Loose-flowered Bluegrass	Poaceae	G5?T1	S1				D
<i>Polygonum douglasii</i> ssp. <i>austinae</i> Austin's Knotweed	Polygonaceae	G5T4	S 2		S		S
<i>Polystichum kruckebergii</i> Kruckeberg's Sword-fern	Dryopteridaceae	G4	S1				P
<i>Polystichum scopulinum</i> Mountain Holly-fern	Dryopteridaceae	G5	S1				P
<i>Potamogeton obtusifolius</i> Blunt-leaved Pondweed	Potamogetonaceae	G5	S2		S		P
<i>Potentilla brevifolia</i> Short-leaved Cinquefoil	Rosaceae	G4	S1				RE
<i>Potentilla hyparctica</i> (<i>P. nana</i>) Low Arctic Cinquefoil	Rosaceae	G4G5	S1				S
<i>Potentilla plattensis</i> Platte Cinquefoil	Rosaceae	G4	S1			W	S
<i>Potentilla quinquefolia</i> (<i>P. nivea</i> var. <i>pentaphylla</i>) Five-leaf Cinquefoil	Rosaceae	G5T4	S2		S		S
<i>Potentilla uniflora</i> One-flowered Cinquefoil	Rosaceae	G5	S1				S
<i>Primula alcalina</i> Idaho Primrose	Primulaceae	G2	S 1			W	RE
<i>Primula incana</i> Mealy Primrose	Primulaceae	G4G5	S2			W	P
<i>Prunus pumila</i> Sand Cherry	Rosaceae	G5	S1				P
<i>Psilocarphus brevissimus</i> Dwarf Woolly-heads	Asteraceae	G4	S2		S	W	S
<i>Puccinellia lemmonii</i> Lemmon's Alkaligrass	Poaceae	G4	S1				P
<i>Quercus macrocarpa</i> Bur Oak	Fagaceae	G5	S1			S	P
<i>Ranunculus cardiophyllus</i> Heart-leaved Buttercup	Ranunculaceae	G4G5	S2			W	S
<i>Ranunculus gelidus</i> Arctic Buttercup	Ranunculaceae	G4	S1				D

Vascular Plant Species of Concern

<i>Scientific Name</i> Common Name	Family	Global Rank	State Rank	FWS Status	FS Status	BLM Status	Range Notes
<i>Ranunculus hyperboreus</i> High-arctic Buttercup	Ranunculaceae	G5	S1				P
<i>Ranunculus jovis</i> Jove's Buttercup	Ranunculaceae	G4	S2		S		RE
<i>Ranunculus orthorhynchus</i> Straightbeak Buttercup	Ranunculaceae	G5	S1				P
<i>Ranunculus pedatifidus</i> Northern Buttercup	Ranunculaceae	G5	S1			W	S
<i>Ranunculus verecundus</i> Timberline Buttercup	Ranunculaceae	G5	S2				S
<i>Ribes cognatum</i> Shinyleaf Gooseberry	Grossulariaceae	G4Q	S1				RE
<i>Ribes laxiflorum</i> Trailing Black Currant	Grossulariaceae	G5	S1				D
<i>Ribes triste</i> Swamp Red Currant	Grossulariaceae	G5	S1				P
<i>Ribes velutinum</i> Desert Gooseberry	Grossulariaceae	G5	S1				P
<i>Rorippa calycina</i> Persistent-sepal Yellow-cress	Brassicaceae	G3	S1			W	RE
<i>Rotala ramosior</i> Toothcup	Lythraceae	G5	S1				P
<i>Sagina nivalis</i> Arctic Pearlwort	Caryophyllaceae	G5	S1				D
<i>Salix barrattiana</i> Barratt's Willow	Salicaceae	G5	S1		S		S
<i>Salix cascadiensis</i> Cascade's Willow	Salicaceae	G4G5	S1				S
<i>Salix serissima</i> Autumn Willow	Salicaceae	G4	S2			W	P
<i>Satureja douglasii</i> Yerba Buena	Lamiaceae	G4	S2				P
<i>Saussurea densa</i> Dwarf Saw-wort	Asteraceae	G3G4	S2				RE
<i>Saussurea weberi</i> Weber's Saw-wort	Asteraceae	G2G3	S1		S		D
<i>Saxifraga apetala</i> Tiny Swamp Saxifrage	Saxifragaceae	G3Q	S2				RE
<i>Saxifraga hirculus</i> Yellow Marsh Saxifrage	Saxifragaceae	G5	S1				S
<i>Saxifraga tempestiva</i> Storm Saxifrage	Saxifragaceae	G2	S2		S		SE
<i>Scheuchzeria palustris</i> Pod Grass	Scheuchzeriaceae	G5	S2		S		P

Vascular Plant Species of Concern

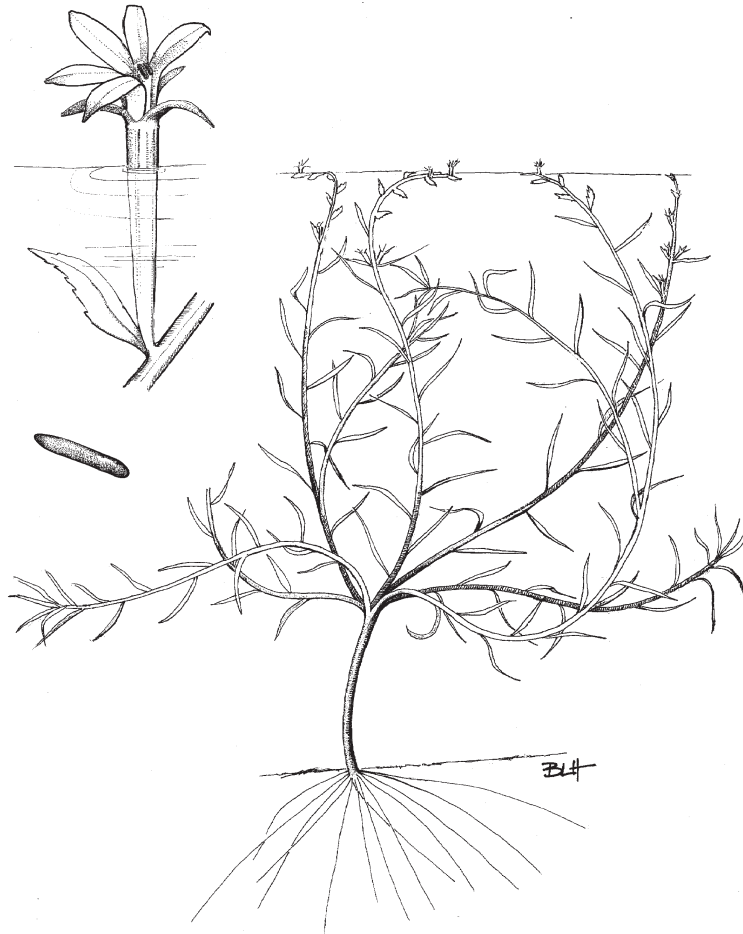
Scientific Name Common Name	Family	Global Rank	State Rank	FWS Status	FS Status	BLM Status	Range Notes
<i>Scirpus cespitosus</i> Tufted Club-rush	Cyperaceae	G5	S2		S		S
<i>Scirpus heterochaetus</i> Slender Bulrush	Cyperaceae	G5	S1				S
<i>Scirpus hudsonianus</i> (<i>Eriophorum alpinum</i>) Hudson's Bay Bulrush	Cyperaceae	G5	S1				P
<i>Scirpus pumilus</i> ssp. <i>rollandii</i> (<i>S. rollandii</i>) Small clubrush	Cyperaceae	G5	S1				P
<i>Scirpus subterminalis</i> Water Bulrush	Cyperaceae	G4G5	S2		S		S
<i>Selaginella selaginoides</i> Low Spike-moss	Selaginellaceae	G5	S2				S
<i>Senecio amplexens</i> Clasping Groundsel	Asteraceae	G4	S1				P
<i>Senecio pauciflorus</i> Few-flowered Butterweed	Asteraceae	G4G5	S1				P
<u>Senecio spribillei</u> Spribillei's Groundsel	Asteraceae	G1	<u>S1</u>				SE
<i>Shoshonea pulvinata</i> Shoshonea	Apiaceae	G2G3	S1		S	S	RE
<i>Sidalcea oregana</i> Oregon Checker-mallow	Malvaceae	G5	S1				P
<i>Silene spaldingii</i> Spalding's Campion	Caryophyllaceae	G2	S1	LT			RE
<i>Sisyrinchium septentrionale</i> Northern Blue-eyed Grass	Iridaceae	G3G4	S1				P
<i>Solidago ptarmicoides</i> Prairie Aster	Asteraceae	G5	S1				P
<i>Solidago sparsiflora</i> Few-flowered Goldenrod	Asteraceae	G5?	S1			W	S
<i>Sphaeralcea munroana</i> White-stemmed Globe-mallow	Malvaceae	G4	S1				P
<i>Sphaeromeria argentea</i> Chicken Sage	Asteraceae	G3G4	S2			S	P
<i>Sphenopholis intermedia</i> Slender Wedgegrass	Poaceae	G5	S1			W	P
<i>Spiranthes diluvialis</i> Ute Ladies' Tresses	Orchidaceae	G2	S2	LT		W	S
<i>Sporobolus asper</i> (<i>S. compositus</i> var. <i>compositus</i>) Longleaf Dropseed	Poaceae	G5T5	SH			W	P
<i>Sporobolus neglectus</i> Small Dropseed	Poaceae	G5	S1			W	P
<i>Stellaria crassifolia</i> Fleshy Stitchwort	Caryophyllaceae	G5	S1			W	P

Vascular Plant Species of Concern

<i>Scientific Name</i> Common Name	Family	Global Rank	State Rank	FWS Status	FS Status	BLM Status	Range Notes
<i>Stellaria jamesiana</i> (<i>Pseudostellaria jamesiana</i>) James' Stitchwort	Caryophyllaceae	G5	S1			W	P
<i>Stephanomeria spinosa</i> Spiny Skeletonweed	Asteraceae	G4	S1			W	P
<i>Stipa lettermanii</i> Letterman's Needlegrass	Poaceae	G5	S1				P
<i>Suckleya suckleyana</i> Poison Suckleya	Chenopodiaceae	G5	S 1				P
<i>Sullivantia hapemanii</i> Wyoming Sullivantia	Saxifragaceae	G3	S2			W	RE
<i>Taraxacum eriophorum</i> Rocky Mountain Dandelion	Asteraceae	G4	S2			S	S
<i>Thalictrum alpinum</i> Alpine Meadowrue	Ranunculaceae	G5	S2		S	S	S
<i>Thelypodium paniculatum</i> Northwestern Thelypody	Brassicaceae	G2	SH			S	RE
<i>Thelypodium sagittatum</i> Slender Thelypody	Brassicaceae	G4	S2				P
<i>Thelypteris phegopteris</i> (<i>Phegopteris connectilis</i>) Northern Beechfern	Thelypteridaceae	G5	S2		S		P
<i>Thlaspi parviflorum</i> Small-flowered Pennycress	Brassicaceae	G3	S2		S		RE
<i>Tofieldia pusilla</i> Small Tofieldia	Liliaceae	G5	S2				P
<i>Townsendia condensata</i> Cushion Townsendia	Asteraceae	G4	S 1 S 2			W	RE
<i>Townsendia florifer</i> Showy Townsendia	Asteraceae	G5	S1			W	P
<i>Trifolium cyathiferum</i> Cup Clover	Fabaceae	G4	S1				P
<i>Trifolium eriocephalum</i> Woolly-head Clover	Fabaceae	G5	S2		S		P
<i>Trifolium gymnocarpon</i> Hollyleaf Clover	Fabaceae	G4	S2		S		P
<i>Utricularia intermedia</i> Flat-leaved Bladderwort	Lentibulariaceae	G5	S1		S		P
<i>Vaccinium myrtilloides</i> Velvetleaf Blueberry	Ericaceae	G5	S1				P
<i>Veratrum californicum</i> California False-hellebore	Liliaceae	G5	S1		S	W	P
<i>Viburnum lentago</i> Nannyberry	Caprifoliaceae	G5	S1				P
<i>Viguiera multiflora</i> (<i>Heliomeris multiflora</i>) Many-flowered Viguiera	Asteraceae	G4G5	S1				P

Vascular Plant Species of Concern

<i>Scientific Name</i> Common Name	Family	Global Rank	State Rank	FWS Status	FS Status	BLM Status	Range Notes
<i>Viola selkirkii</i> Great Spurred Violet	Violaceae	G5?	S1				P
<i>Waldsteinia idahoensis</i> Idaho Barren-strawberry	Rosaceae	G3	S1		S		RE
<i>Wolffia columbiana</i> Columbia Water-meal	Lemnaceae	G5	S2			W	S
<i>Zizia aurea</i> Golden Alexanders	Apiaceae	G5	SH				P



Water Howellia
(Howellia aquatilis)
Illustration by Bonnie Heidel

Plant Species of Potential Concern

April 2003

Species of Potential Concern include several categories of species (and subspecific taxa). Some, while very limited in abundance or distribution in Montana, are not currently thought to be sufficiently rare or at risk to be Species of Concern; these have been ranked S3 or S3S4. Many are noteworthy because they are of limited global distribution and/or regional endemics (G3 or G3G4). A number of other plants of Potential Concern are of undetermined status and still under review (ranked SU), or have been reported to occur in Montana but need further verification (SR). A few species, while very rare in Montana, appear to be adventive – rare in the state but not considered native to the Montana flora (ranked SA). The remaining species on the Potential Concern list are a small number of recurrent hybrids (HYB).

Previous versions of this report included columns indicating categories or reasons for uncertainty. The format of this edition has been modified to better use state ranks for representing the different categories of Potential Concern plants, as referenced above. This condensed format has allowed us to add common names and agency status designations. The former categories correspond to ranks as described below:

S3, S3S4 Limited abundance or distribution in Montana, but not presently considered to be at risk (formerly **Limited Distribution**).

SA Rare but considered likely to be adventive and not native to Montana (formerly **Native?**)

SR Reported to occur in Montana but needs further verification (formerly **Verified?** and **In MT?**).

SU Status undetermined or uncertain and still under review; this includes many plants for which data has not yet been fully assembled and reviewed (formerly **Data Not Compiled**), and others that may be quite rare or limited in distribution, but are not demonstrably vulnerable (formerly **Vulnerable?**).

HYB Recurrent hybrids.

Also previously included were a few species (denoted in the **Publication** column) that had not yet been named and formally described, as is required for scientific validity. Since, without valid names and references, there is no way of identifying or communicating about these plants, we have removed them from the list. We will continue to maintain records of their reported locations, and will add them if and when they are formally named and described (as recently occurred with *Senecio spribillei*).

In the past, the Heritage Program did not regularly keep track of occurrences for Species of Potential Concern. When a species was dropped from Special Concern status, occurrence data was removed from the active Heritage databases. We have now begun managing data on the distribution and status of Potential Concern plants; though it will take some time to reactivate old data records for “dropped” species and begin entering location data for others. The most immediate impact is that species downgraded from Species of Concern to Potential Concern will continue to be “tracked” in the Heritage data system and their occurrences reported through our data request process (with their Potential Concern status clearly indicated). We will also continue entering observational data that we receive for these species, so their status can be monitored in the future.

This publication identifies 220 Species of Potential Concern, including nine additions and five deletions. Of the five deletions, four are as yet unnamed *Botrychium* taxa and one is an unnamed *Draba*.

Further information on any Species of Potential Concern is available upon request.

<i>Scientific Name</i>	Common Name	Global Rank	State Rank	FS Status	BLM Status
<i>Achillea sibirica</i>	Siberian Yarrow	G5?	SA?		
<i>Agastache foeniculum</i>	Lavender Hyssop	G4G5	SU		
<i>Agoseris lackschewitzii</i>	Pink Agoseris	G4	S3		
<i>Agrimonia gryposepala</i>	Tall Hairy Groovebur	G5	SU		
<i>Agrostis borealis (A. mertensii)</i>	Northern Bentgrass	G5	SU		
<i>Allotropa virgata</i>	Candystick	G4	S3	S	
<i>Amaranthus californicus</i>	California Amaranth	G4	SU		
<i>Ambrosia acanthicarpa</i>	Flat-spine Bursage	G5	S3S4		W
<i>Ambrosia tomentosa</i>	Skeleton-leaf Bursage	G4	SR		
<i>Amsinckia lycopsoides</i>	Bugloss Fiddle-neck	G4?	SA?		
<i>Antennaria aromatica</i>	Aromatic Everlasting	G4	S3S4		
<i>Antennaria neodioica</i> ssp. <i>neodioica</i>	Northern Pussytoes	G4T5	SU		
<i>Antennaria pulcherrima</i>	Showy Pussytoes	G4G5	SU		
<i>Arabidopsis salsuginea</i>	Saltwater Cress	G4G5	SR		
<i>Arabis pendulocarpa</i> var. <i>saximontana</i> (<i>A. williamsii</i> var. <i>saximontana</i>)	Wind-river Rockcress	G5T5?	SR		
<i>Arabis sparsiflora</i> var. <i>columbiana</i>	Elegant Columbian Rockcress	G5T2T4	SR		
<i>Arabis sparsiflora</i> var. <i>subvillosa</i>	Elegant Columbian Rockcress	G5T3T5	SR		
<i>Artemisia longiloba</i> (<i>A. arbuscula</i> ssp. <i>longiloba</i>)	Alkali Sagebrush	G5T4	SR		
<i>Artemisia tilesii</i>	Aleutian Mugwort	G5	SR		
<i>Asplenium trichomanes-ramosum</i>	Green Spleenwort	G4	SU		
<i>Aster cusickii</i>	Cusick Aster	G4?	SR		
<i>Aster foliaceus</i> var. <i>lyallii</i>	Lyall's Leafy-bracted Aster	G5T4?	SR		
<i>Aster glaucodes</i>	Gray Aster	G4G5	S3		
<i>Aster simplex</i> var. <i>ramosissimus</i>	Panicled Aster	G5T?	SR		
<i>Astragalus chamaeleuce</i>	Ground Milkvetch	G5	S3		
<i>Astragalus kentrophyta</i> var. <i>kentrophyta</i>	Spiny Milkvetch	G5T4	S3		
<i>Astragalus lentiginosus</i>	Sodaville Milkvetch	G5	S3		
<i>Astragalus leptaleus</i>	Park Milkvetch	G4	S3		
<i>Astragalus miser</i> var. <i>crispatus</i>	Timber Milkvetch	G5T3?	SU		
<i>Astragalus platytropis</i>	Broad-keeled Milkvetch	G5	S3		
<i>Astragalus racemosus</i> var. <i>longisetus</i>	Raceme Milkvetch	G5T4	SR		W
<i>Bidens comosa</i>	Threelobed Beggarticks	G5	SU		W
<i>Bidens frondosa</i>	Devil's Beggarticks	G5	SU		
<i>Bidens vulgata</i> var. <i>schizantha</i>	Tall Bur-marigold	G5T?	SU		W
<i>Botrychium minganense</i>	Mingan Island Moonwort	G4	S3		
<i>Botrychium montanum</i>	Mountain Moonwort	G3	S3	S	
<i>Botrychium simplex</i>	Least Grape-fern	G5	SU		
<i>Botrychium x watertonense</i>	Waterton Moonwort	HYB	HYB		
<i>Bouteloua hirsuta</i>	Hairy Gramma	G5	SU		
<i>Calamagrostis koelerioides</i>	Dense Pine Reedgrass	G5	SA?		
<i>Calamagrostis scopulorum</i>	Ditch Reedgrass	G5	SU		
<i>Calamagrostis tweedyi</i>	Cascade Reedgrass	G3	S3		
<i>Camissonia tanacetifolia</i>	Tansy-leaf Suncup	G5	SR		
<i>Cardamine rupicola</i>	Cliff Toothwort	G3	S3		
<i>Carex aenea</i>	Bronze Sedge	G5	SU		
<i>Carex bigelowii</i>	Bigelow Sedge	G5	SR		
<i>Carex brunnescens</i>	Brownish Sedge	G5	SR		
<i>Carex ebenea</i>	Ebony Sedge	G5	SU		W
<i>Carex eburnea</i>	Ivory Sedge	G5	S3		
<i>Carex jonesii</i>	Jones' Sedge	G5	SU		
<i>Carex livida</i>	Pale Sedge	G5	S3	S	
<i>Carex luzulina</i> var. <i>atropurpurea</i>	Black and Purple Sedge	G5T3	SU		

<i>Scientific Name</i>	Common Name	Global Rank	State Rank	FS Status	BLM Status
<i>Carex microglochin</i>	False Uncinia Sedge	G5?	SU		
<i>Carex misandra</i>	Short-leaf Sedge	G5	S3		
<i>Carex nelsonii</i>	Nelson's Sedge	G3	SU		
<i>Carex neurophora</i>	Alpine Nerved Sedge	G4	S3		
<i>Carex paupercula</i> (<i>C. magellanica</i>)	Poor Sedge	G5	S3	S	
<i>Carex pelocarpa</i>	Dusky-seed Sedge	G4G5	SR		
<i>Carex stramineiformis</i>	Mt. Shasta Sedge	G5	SR		
<i>Carex tenera</i>	Soft Sedge	G5	SU		
<i>Carex torreyi</i>	Torrey's Sedge	G4	S3		W
<i>Castilleja crista-galli</i>	Greater Red Indian Paintbrush	G4?	SU		
<i>Castilleja gracillima</i>	Slender Indian Paintbrush	G3G4	SU	S	W
<i>Castilleja nivea</i>	Snow Indian Paintbrush	G3	SU		
<i>Castilleja pilosa</i> var. <i>longispica</i>	Parrot-head Indian Paintbrush	G4?T4	S3	S	W
<i>Castilleja rustica</i> (<i>C. flava</i> var. <i>rustica</i>)	Rustic Indian Paintbrush	G4G5T3T4	S3		
<i>Chrysosplenium tetrandrum</i>	Northern Golden-carpet	G5	S3		
<i>Chrysothamnus linifolius</i>	Lineleaf Rabbitbrush	G5	S3		W
<i>Cirsium pulcherrimum</i>	Wyoming Thistle	G5	SR		
<i>Claytonia cordifolia</i>	Heart-leaf Springbeauty	G5	SU		
<i>Collomia debilis</i> var. <i>camporum</i>	Flexible Alpine Collomia	G5T2	SU		
<i>Conimitella williamsii</i>	Williams' Conimitella	G3?	SU		
<i>Cordylanthus capitatus</i>	Yakima Bird's-beak	G4	SR		
<i>Cryptogramma cascadenis</i>	Cascade Rockbrake	G5	SU		
<i>Cuscuta pentagona</i> var. <i>pentagona</i>	Field Dodder	G5T5	SU		
<i>Cymopterus hendersonii</i> (<i>Pteryxia hendersonii</i>)	Henderson's Pteryxia	G5	S3		
<i>Cypripedium x columbianum</i>	Lady's Slipper (Hybrid)	HYB	HYB		
<i>Delphinium bicolor</i> ssp. <i>calcicola</i>	Limestone Larkspur	G4G5T3	S3		
<i>Delphinium burkei</i>	Meadow Larkspur	G4	SU		
<i>Delphinium geyeri</i>	Geyer's Larkspur	G5	SU		
<i>Delphinium glaucescens</i>	Electric Peak Larkspur	G3?	SU		
<i>Draba daviesiae</i>	Bitterroot Draba	G3	S3		
<i>Draba lonchocarpa</i> var. <i>exigua</i>	Lance-pod Whitlowgrass	G4T3?	SU		
<i>Echinacea angustifolia</i>	Narrow-leaved Purple Coneflower	G4	SU		
<i>Elatine americana</i>	American Waterwort	G4	SU		
<i>Elatine brachysperma</i>	Short-Seeded Waterwort	G5	SU		
<i>Elatine californica</i>	California Waterwort	G5	SU		
<i>Eleocharis atropurpurea</i>	Purple Spikerush	G4G5	SU		
<i>Eleocharis bella</i>	Delicate Spikerush	G5	SU		
<i>Eleocharis flavescens</i>	Pale Spikerush	G5	SR		
<i>Eleocharis xyridiformis</i>	Creeping Spikerush	G4Q	SU		
<i>Equisetum x ferrissii</i>	Horsetail (Hybrid)	HYB	HYB		
<i>Equisetum x trachyodon</i>	Horsetail (Hybrid)	HYB	HYB		
<i>Erigeron allocotus</i>	Big Horn Fleabane	G3	S3		
<i>Erigeron coulteri</i>	Coulter Fleabane	G5	SU		
<i>Erigeron flabellifolius</i>	Fan-leaved Fleabane	G3	S3		
<i>Erigeron flagellaris</i>	Running Fleabane	G5	SU		
<i>Erigeron lanatus</i>	Woolly Fleabane	G3G4	S3		
<i>Eriogonum capistratum</i> var. <i>muhlickii</i>	Muhlick's Buckwheat	G4T?	S3		
<i>Eriogonum chrysocephalum</i>	A Wild Buckwheat	GUQ	SR		
<i>Eriogonum umbellatum</i> var. <i>aureum</i>	A Wild Buckwheat	G5T3T5	SU		
<i>Eriophorum scheuchzeri</i>	Scheuchzer's Cottongrass	G5	SR		
<i>Eriophorum viridicarinatedum</i>	Green-keeled Cotton-sedge	G5	S3		
<i>Euthamia graminifolia</i>	Flat-top Fragrant-golden-rod	G5	SR		
<i>Evax prolifera</i>	Big-head Evax	G5	SU		

<i>Scientific Name</i>	Common Name	Global Rank	State Rank	FS Status	BLM Status
<i>Festuca subulata</i>	Nodding Fescue	G5	SU		
<i>Floerkea proserpinacoides</i>	False Mermaid-weed	G5	SU		
<i>Galium cymosum</i>	Pacific Bedstraw	G?	SR		
<i>Gentiana aquatica</i>	Wet Meadow Gentian	G4	S3		
<i>Gentiana prostrata</i>	Pygmy Gentian	G5	SU		
<i>Gentianella tenella</i>	Slender Gentian	G4G5	SU		
<i>Geum canadense</i>	White Avens	G5	SU		
<i>Geum rossii</i> var. <i>rossii</i>	Ross's Avens	G5T5	SR		
<i>Gilia inconspicua</i>	Shy Gilia	G5	S3		
<i>Gnaphalium purpureum</i> var. <i>purpureum</i>	Purple Cudweed	G5TU	SA?		
<i>Grindelia nana</i> var. <i>integrifolia</i>	Low Gumweed	G5T?	SU		
<i>Halenia deflexa</i>	Spurred Gentian	G5	S3		
<i>Halimolobos virgata</i>	Twiggy Halimolobos	G4	S3		W
<i>Haplopappus multicaulis</i> (<i>Oonopsis multicaulis</i>)	Many-stem Goldenweed	G4	S3		
<i>Helenium hoopesii</i>	Orange Sneezeweed	G5	SU		
<i>Hesperochiron californicus</i>	California Hesperochiron	G4G5	SU		
<i>Heterotheca villosa</i> var. <i>depressa</i>	Low Golden Aster	G5T3	SR		
<i>Hierochloa alpina</i>	Alpine Sweet Grass	G5	SR		
<i>Hierochloa odorata</i>	Sweet Grass	G4G5	S3		
<i>Horkelia fusca</i>	Pine Woods Horkelia	G5	SR		
<i>Huperzia haleakalae</i>	Haleakalae Fir-clubmoss	G4G5	SU		
<i>Hymenopappus filifolius</i> var. <i>idahoensis</i>	Idaho Hymenopappus	G5T3	SU		
<i>Hymenopappus filifolius</i> var. <i>luteus</i>	Yellowish Hymenopappus	G5T3T5	SU		
<i>Impatiens aurella</i>	Pale-yellow Jewel-weed	G4?	SU		
<i>Impatiens ecalcarata</i>	Spurless Touch-me-not	G3G4	S3		
<i>Ipomopsis congesta</i> ssp. <i>pseudotypica</i>	Wyoming Ipomopsis	G5T3?	SU		
<i>Isoetes lacustris</i>	Western Quillwort	G5	SR		
<i>Isoetes nuttallii</i>	Blackfoot Quillwort	G4?	SR		
<i>Juncus interior</i>	Inland Rush	G4G5	SR		
<i>Juncus triglumis</i>	Three-flowered Rush	G5	SU		
<i>Juncus tweedyi</i>	Tweedy's Rush	G3Q	SU		
<i>Juncus vaseyi</i>	Vasey Rush	G5?	SU		
<i>Lappula cenchrusoides</i>	Great Plains Stickseed	G4	SU		
<i>Lemna minuta</i>	Least Duckweed	G4	SU		
<i>Lemna valdiviana</i>	Pale Duckweed	G5	SU		
<i>Lesquerella klausii</i>	Divide Bladderpod	G3	S3		W
<i>Ligusticum verticillatum</i>	Idaho Lovage	G4G5	SR		
<i>Lilium columbianum</i>	Columbia Lily	G4G5	SU		
<i>Lilium philadelphicum</i>	Wood Lily	G5	S3		
<i>Lobelia kalmii</i>	Kalm's Lobelia	G5	SU		
<i>Lomatium farinosum</i>	Coeur D'Alene Desert-parsley	G4G5	SR		
<i>Lupinus caudatus</i>	Kellogg's Spurred Lupine	G5	SR		
<i>Lycopodium sitchense</i>	Alaskan Clubmoss	G5	S3	S	
<i>Madia minima</i>	Small-headed Tarweed	G4	S3		
<i>Mimulus suksdorfii</i>	Suksdorf Monkeyflower	G4	S3		
<i>Muhlenbergia montana</i>	Mountain Muhly	G5	SR		
<i>Myosotis verna</i>	Early Forget-me-not	G5	S3		
<i>Navarretia divaricata</i>	Mountain Navarretia	G5	SR		
<i>Oenothera elata</i> ssp. <i>hirsutissima</i>	Hairy Primrose	G5T5	SR		
<i>Oenothera pallida</i> var. <i>idahoensis</i>	Pale Evening-primrose	G5T?Q	SU		S
<i>Oryzopsis contracta</i>	Contracted Indian Ricegrass	G3G4	S3		W
<i>Oxalis stricta</i>	Upright Yellow Wood-sorrel	G5	SA?		
<i>Oxytropis besseyi</i> var. <i>fallax</i>	Bessey's Locoweed	G5T3	SU		

<i>Scientific Name</i>	Common Name	Global Rank	State Rank	FS Status	BLM Status
<i>Oxytropis besseyi</i> var. <i>ventosa</i>	Bessey's Locoweed	G5T3?	SU		
<i>Oxytropis lagopus</i> var. <i>conjugens</i>	Rabbit-foot Crazyweed	G4G5T3	S3		
<i>Pedicularis contorta</i> var. <i>rubicunda</i>	Coil-beaked Lousewort	G5T3	S3		
<i>Pedicularis oederi</i>	Oeder's Lousewort	G5	S3		
<i>Pedicularis pulchella</i>	Mountain Lousewort	G3	SU		
<i>Pediocactus simpsonii</i>	Simpson's Hedgehog Cactus	G4	S3		
<i>Pediomelum cuspidatum</i>	Large-bracted Scurf-pea	G4	SR		
<i>Penstemon caryi</i>	Cary's Beardtongue	G3	S3		
<i>Penstemon flavescens</i>	Yellow Beardtongue	G3	S3		
<i>Penstemon montanus</i> var. <i>idahoensis</i>	Idaho Mountain Beardtongue	G4G5T2T3	SU		
<i>Physalis hederifolia</i> var. <i>comata</i>	Prairie Ground Cherry	G5?T4?	SR		
<i>Physaria saximontana</i> var. <i>dentata</i>	Rocky Mountain Twinpod	G3T3	S3		
<i>Physostegia virginiana</i>	False Dragon-head	G5	SR		
<i>Platyschkuhria integrifolia</i>	Basin Daisy	G5	S3		
<i>Poa macroclada</i>	Rydberg Bluegrass	G5	SR		
<i>Polygonum polygaloides</i>	White-margined Knotweed	G4G5	SU		W
<i>Potentilla concinna</i> var. <i>macounii</i> (<i>P. macounii</i>)	Macoun's Early Cinquefoil	G1?Q	SR		
<i>Psilocarphus elatior</i>	Tall Woollyheads	G4Q	SU		
<i>Psoralea hypogaea</i> (<i>Pediomelum hypogaeum</i> var. <i>hypogaeum</i>)	Little Indian Breadroot	G5T4	S3		W
<i>Pyrrocoma integrifolia</i>	Entire-leaf Golden-weed	G3?	SU		
<i>Rubus arcticus</i>	Nagoonberry	G5	SU		
<i>Salix petiolaris</i>	Meadow Willow	G5	SR		
<i>Saxifraga chrysantha</i>	Golden Saxifrage	G4	SU		
<i>Saxifraga marshallii</i>	Marshall Saxifrage	G5	S3		
<i>Saxifraga subapetala</i>	Yellowstone Saxifrage	G3G4Q	SU		
<i>Saxifraga tolmiei</i>	Alpine Saxifrage	G5	S3		
<i>Scirpus cyperinus</i>	Wool Grass	G5	S3		W
<i>Scirpus pendulus</i>	Pendulous Bulrush	G5	SA?		
<i>Sedum leibergii</i>	Borsch's Stonecrop	G4?	S3		
<i>Selaginella densa</i> var. <i>standleyi</i>	Standley's Compact Selaginella	G5T3T5	SU		
<i>Senecio congestus</i>	Marsh Flea-bane	G5	SU		
<i>Senecio debilis</i>	Rocky Mountain Ragwort	G4	S3		
<i>Senecio eremophilus</i>	Cut-leaved Groundsel	G5	SU		
<i>Senecio fuscatus</i>	Twice-hairy Butterweed	G4	S3		
<i>Senecio hyperborealis</i>	Boreal Groundsel	G5	SR		
<i>Silene repens</i>	Creeping Catchfly	G5	SU		
<i>Sparganium androcladum</i>	Branching Bur-reed	G4G5	SA?		
<i>Sphaeromeria capitata</i>	Rock-tansy	G3	S3		
<i>Spiraea x pyramidata</i>	Pyramidal Spiraea	HYB	HYB		
<i>Sporobolus vaginiflorus</i>	Sheathed Dropseed	G5	SA?		
<i>Stanleya tomentosa</i>	Hairy Prince-plume	G4	S3		
<i>Stipa lemmonii</i>	Lemmon's Needle Grass	G5	SR		
<i>Stipa pinetorum</i>	Pineforest Needle Grass	G4	SU		
<i>Synthyris canbyi</i>	Mission Mountain Kittentails	G3	S3		
<i>Synthyris missurica</i>	Western Mountain Synthyris	G4	S3		
<i>Teucrium canadense</i>	American Germander	G5	SU		
<i>Thelesperma megapotamicum</i>	Hopi-tea	G5	SA?		
<i>Tillaea aquatica</i> (<i>Crassula aquatica</i>)	Water Pigmy-weed	G5	SU		
<i>Townsendia leptotes</i>	Slender Townsendia	G4	SR		
<i>Townsendia nuttallii</i>	Nuttall's Townsend-daisy	G3	S3		W
<i>Townsendia spathulata</i>	Sword Townsendia	G3	S3		
<i>Tradescantia bracteata</i>	Bracted Spiderwort	G5	SR		

<i>Scientific Name</i>	Common Name	Global Rank	State Rank	FS Status	BLM Status
<i>Trisetum x orthochaetum</i>	Missoula County Oats	HYB	HYB		
<i>Vaccinium ovalifolium</i>	Oval-leaf Huckleberry	G5	SR		
<i>Verbena bipinnatifida</i> (<i>Glandularia bipinnatifida</i>)	Dakota Vervain	G5	SR		
<i>Vernonia fasciculata</i> ssp. <i>corymbosa</i>	Fascicled Ironweed	G5T3T5	SR		
<i>Viburnum opulus</i>	Guelder-rose Viburnum	G5	SA?		
<i>Viola palustris</i>	Alpine Marsh Violet	G5	SU		
<i>Viola pedatifida</i>	Prairie Violet	G5	SR		
<i>Viola renifolia</i>	Kidney-leaf White Violet	G5	S3	S	W
<i>Viola septentrionalis</i>	Northern Blue Violet	G5	SU		
<i>Wolffia punctata</i>	Spotted Water-meal	G5	SU		



Idaho Sedge
(*Carex idahoa*)
Illustration by Charles Feddema;
From the Manual of the Carices of the
Rocky Mountains and Colorado Basin

Preliminary Ranks for Nonvascular Plant Species

INTRODUCTION

BRYOPHYTES

The preliminary ranks for rare bryophytes are based on a flora compiled for the U.S. Forest Service by Joe Elliott (1995). This list is unchanged from the 2001 publication, except that some global ranks have been updated. Because nonvascular plants are typically so under-represented by collection data, the current focus is on species with the fewest documented Montana records (S1 and SH) and several species of highly restricted habitats. Principle reference collections for Montana bryophytes are located at the University of Montana (MONTU), Montana State University (MONT), and the U.S. Forest Service's Intermountain Research Station Resource Center Herbarium (MRC) in Missoula. The "counties of distribution" listed here are incomplete because not all Montana collection data has been compiled. Anyone who collects a bryophyte species on this list or one potentially new to the state is encouraged to submit the Species of Concern Survey Form and map, or send a copy of the collection label information to MTNHP.

LICHENS

The preliminary ranks for rare lichens are based on a Montana lichen flora being compiled by and status recommendations from McCune and Rosentreter (in progress). Their publication will provide much more information not only on Montana lichens, but also on species of concern and the patterns of rarity exhibited by lichens in Montana. Major reference collections for Montana lichens are located at the University of Montana and Montana State University, in addition to large collections at Oregon State University (OSC), Boise State University (SRP) and the personal herbarium of R. Rosentreter. Anyone collecting a lichen identified on this list or potentially new to the state is encouraged to submit a MTNHP Survey Form and map, or send a copy of collection label information. Location records for lichens have not yet been entered into the MTNHP databases and are not included below, therefore a county distribution for the species cannot be created as of yet.

Selected References

- Conrad, H.S. and P.L. Redfern. 1979. How to know the mosses and liverworts. Wm. C. Brown Co., Dubuque, Iowa. 302 pp.
- Elliott, J.C. Second checklist of Montana mosses (draft). Unpublished report to the U.S. Forest Service. Conservation Biology Research, Helena. 43 pp.
- Elliott, J.C. 1995. Rare mosses, rare habitats. Unpublished report for the 1995 Montana Rare Plant Conference. Conservation Biology Research, Helena, MT. 17 pp.
- Lawton, E. 1971. Keys for the identification of the mosses of the Pacific Northwest (Reprinted from *Moss flora of the Pacific Northwest*). Hattori Botanical Lab., Nichinan, Japan. 66 pp.
- McCune, B. and T. Goward. 1995. Macrolichens of the Northern Rocky Mountains. Mad River Press, Inc. Eureka, CA. 208 pp.
- McCune, B. and R. Rosentreter. In progress. Montana Lichens.
- Schofield, W.B. 1992. Some common mosses of British Columbia. Royal British Columbia Museum, Victoria, B.C. Canada. 394 pp.
- Vitt, D.H., J.E. Marsh and R.B. Bovey. 1988. Mosses, lichens and ferns of northwest North America. Lone Pine Publishing, Edmonton, Alberta, Canada. 296 pp.

Bryophytes

<i>Scientific Name</i>	Family	Global Rank	State Rank	FS Status	County Distribution
<i>Aloina brevirostris</i>	Pottiaceae	G3G5	S1		FLAT, LINC
<i>Amblyodon dealbatus</i>	Meesiaceae	G3G5	SH		FLAT
<i>Andreaea blyttii</i>	Andreaeaceae	G5	S1		SAND
<i>Barbula eustegia</i>	Meteoriaceae	G3?	S1		N/A
<i>Brachythecium reflexum</i>	Brachytheciaceae	G4G5	S1		FLAT, LINC
<i>Brachythecium turgidum</i>	Brachytheciaceae	G4	S1		N/A
<i>Bryum calobryoides</i>	Bryaceae	G3	S1		FLAT, LAKE
<i>Bryum calophyllum</i>	Bryaceae	G5?	SH		N/A
<i>Bryum dichotomum</i>	Bryaceae	G5?	S1		RAVA
<i>Bryum lonchocaulon</i>	Bryaceae	G5?	S1		N/A
<i>Bryum pallens</i>	Bryaceae	G4G5	S1		N/A
<i>Bryum schleicheri</i>	Bryaceae	G5?	S1		GLAC
<i>Callicladium haldanianum</i>	Hypnaceae	G5	SH		N/A
<i>Calliergon richardsonii</i>	Amblystegiaceae	G4	S1		GLAC
<i>Calliergon trifarium</i>	Amblystegiaceae	G4	S1		GLAC
<i>Calliergonella cuspidata</i>	Amblystegiaceae	G5	S1		FLAT
<i>Catoscopium nigrum</i>	Catosciaceae	G4G5	S1		N/A
<i>Cinclidium stygium</i>	Mniaceae	G5	S1		N/A
<i>Crumia latifolia</i>	Pottiaceae	G3	S1		N/A
<i>Cynodontium tenellum</i>	Dicranaceae	G3G5Q	SH		N/A
<i>Dendroalsia abietina</i>	Cryphaeaceae	G4	SH		N/A
<i>Desmatodon cernuus</i>	Pottiaceae	G3G5	SH		N/A
<i>Desmatodon heimii</i>	Pottiaceae	G5	S1		RAVA
<i>Dichodontium olympicum</i>	Dicranaceae	G3G5	S1		N/A
<i>Dicranella grevilleana</i>	Dicranaceae	G2G4	S1		FLAT, GLAC
<i>Dicranella heteromalla</i>	Dicranaceae	G5?	S1		FLAT, GLAC
<i>Dicranoweisia cirrata</i>	Dicranaceae	G4	S1		PARK
<i>Dicranum acutifolium</i>	Dicranaceae	G5?	S1		RAVA
<i>Dicranum fragilifolium</i>	Dicranaceae	G4G5	S1		FLAT, GLAC, LAKE
<i>Dicranum spadiceum</i>	Dicranaceae	G5?	S1		N/A
<i>Didymodon fallax</i> var. <i>reflexus</i>	Pottiaceae	G5T5?	S1		N/A
<i>Didymodon rigidulus</i> var. <i>gracilis</i>	Pottiaceae	G5T5?	S1		N/A
<i>Didymodon vinealis</i> var. <i>brachyphyllus</i>	Pottiaceae	G5T?	S1		RAVA
<i>Distichium inclinatum</i>	Ditrichaceae	G4G5	S1		GLAC
<i>Ditrichum ambiguum</i>	Ditrichaceae	G4?	SH		FLAT
<i>Drepanocladus cardotti</i>	Amblystegiaceae	G1G2	SH		N/A
<i>Entosthodon rubiginosus</i>	Funariaceae	G1G3	SH		CASC
<i>Eucladium verticillatum</i>	Pottiaceae	G4	S1		GRAN, POWE
<i>Eurhynchium pulchellum</i> var. <i>barnesii</i>	Brachytheciaceae	G5T?	S1		LAKE, RAVA, SAND
<i>Fabronia pusilla</i>	Fabroniaceae	G5?	S1		MADI
<i>Fissidens fontanus</i>	Fissidentaceae	G5	S1		GRAN
<i>Funaria americana</i>	Funariaceae	G2G3	SH		CASC, MEAG
<i>Grimmia brittoniae</i>	Grimmiaceae	G1	S1	S	FLAT, SAND
<i>Grimmia incurva</i>	Grimmiaceae	G4G5	S1		RAVA
<i>Grimmia mollis</i>	Grimmiaceae	G3G5	S1		FLAT
<i>Hamatocaulis vernicosus</i>	Amblystegiaceae	G5	S1		N/A
<i>Herzogiella striatella</i>	Hypnaceae	G4G5	S1		N/A
<i>Herzogiella turfacea</i>	Hypnaceae	G4G5	S1		N/A
<i>Hygroamblystegium noterophilum</i>	Amblystegiaceae	G4	S1		N/A
<i>Hygrohypnum cochlearifolium</i>	Amblystegiaceae	G4	S1		LINC
<i>Hypnum callichroum</i>	Hypnaceae	G5?	S1		N/A
<i>Kiaeria blyttii</i>	Dicranaceae	G5	S1		FLAT
<i>Kiaeria falcata</i>	Dicranaceae	G5	S1		N/A

Bryophytes (cont'd)

<i>Scientific Name</i>	Family	Global Rank	State Rank	FS Status	County Distribution
<i>Kiaeria starkei</i>	Dicranaceae	G5	S1		GLAC
<i>Leucolepis acanthoneuron</i>	Mniaceae	G4	S1		LINC
<i>Meesia longiseta</i>	Meesiaceae	G4?	S1		N/A
<i>Meesia triquetra</i>	Meesiaceae	G5	S2	S	CARB, FLAT, GLAC, LAKE LINC, RAVA, TETO
<i>Meesia uliginosa</i>	Meesiaceae	G4	S1		FLAT, GLAC
<i>Mielichhoferia macrocarpa</i>	Bryaceae	G2	S1		N/A
<i>Myurella tenerrima</i>	Pterigynandraceae	G3G4	S1		GLAC
<i>Neckera douglasii</i>	Neckeraceae	G4	S1		FLAT, LAKE
<i>Neckera pennata</i>	Neckeraceae	G5	S1		N/A
<i>Oligotrichum aligerum</i>	Polytrichaceae	G5	S1		LINC
<i>Orthotrichum praemorsum</i>	Orthotrichaceae	GU	S1		RAVA
<i>Oxystegus tenuirostris</i>	Pottiaceae	G5	SH		N/A
<i>Paludella squarrosa</i>	Meesiaceae	G3G5	S1		CARB, GLAC
<i>Paraleucobryum nerve</i>	Dicranaceae	G5?	S1		GLAC
<i>Paraleucobryum longifolium</i>	Dicranaceae	G5	S1		FLAT
<i>Phascum cuspidatum</i>	Pottiaceae	G5	S1		RAVA
<i>Physcomitrium hookeri</i>	Funariaceae	G2G4	SH		N/A
<i>Physcomitrium pyriforme</i>	Funariaceae	G5	SU		RAVA
<i>Plagiobryum demissum</i>	Bryaceae	G3G5	S1		N/A
<i>Plagiobryum zieri</i>	Bryaceae	G3G4	S1		N/A
<i>Platyhypnidium riparioides</i>	Brachytheciaceae	G5	S1		LINC
<i>Pohlia drummondii</i>	Bryaceae	G3G4	S1		N/A
<i>Pohlia obtusifolia</i>	Bryaceae	G2G4	S1	S	N/A
<i>Pohlia vexans</i>	Bryaceae	G3G5	SH		MEAG
<i>Porotrichum bigelovii</i>	Thamnobryaceae	G4	S1		RAVA
<i>Pseudocalliergon turgescens</i>	Amblystegiaceae	G3G5	S1		FLAT
<i>Pseudocrossidium obtusulum</i>	Pottiaceae	GU	S1		RAVA
<i>Pterygoneurum lamellatum</i>	Pottiaceae	G3G5	S1		N/A
<i>Ptychomitrium gardneri</i>	Ptychomitriaceae	G4	S1		N/A
<i>Racomitrium aquaticum</i>	Grimmiaceae	G2G4	S1		N/A
<i>Racomitrium brevipes</i>	Grimmiaceae	GU	S1		N/A
<i>Racomitrium pygmaeum</i>	Grimmiaceae	GU	S1		LINC
<i>Sarmenthypnum sarmentosum</i>	Amblystegiaceae	G4G5	S1		N/A
<i>Schistostega pennata</i>	Schistostegaceae	G4	S1		N/A
<i>Scorpidium scorpioides</i>	Amblystegiaceae	G4G5	S2	S	FLAT, GLAC, LAKE, LEWI LINC, MISS, TETO
<i>Seligeria donniana</i>	Seligeriaceae	G4G5	S1		N/A
<i>Sphagnum centrale</i>	Sphagnaceae	G5	S1		FLAT
<i>Sphagnum compactum</i>	Sphagnaceae	G5	S1		GRAN
<i>Sphagnum contortum</i>	Sphagnaceae	G5	S1		FLAT
<i>Sphagnum fallax</i>	Sphagnaceae	G5	S1		N/A
<i>Sphagnum fimbriatum</i>	Sphagnaceae	G5	S1		LEWI
<i>Sphagnum girgensohnii</i>	Sphagnaceae	G5	S1		N/A
<i>Sphagnum magellanicum</i>	Sphagnaceae	G5	S1		FLAT, MISS, RAVA
<i>Sphagnum mendocinum</i>	Sphagnaceae	G4	S1		MISS
<i>Sphagnum platyphyllum</i>	Sphagnaceae	G5	S1		N/A
<i>Sphagnum riparium</i>	Sphagnaceae	G5	S1		MISS
<i>Sphagnum subnitens</i>	Sphagnaceae	G5	S1		N/A
<i>Sphagnum wulfianum</i>	Sphagnaceae	G5	S1		N/A
<i>Stegonia latifolia</i>	Pottiaceae	G4G5	S1		N/A
<i>Tayloria acuminata</i>	Splachnaceae	G3G4	SH		N/A
<i>Tayloria lingulata</i>	Splachnaceae	G3G5	S1		GLAC

Bryophytes (cont'd)

<i>Scientific Name</i>	Family	Global Rank	State Rank	FS Status	County Distribution
<i>Tayloria serrata</i>	Splachnaceae	G4	S1		MADI
<i>Thamnobryum neckeroides</i>	Thamnobryaceae	GU	SH		N/A
<i>Tortula bartramii</i>	Pottiaceae	G2G4	S1		RAVA
<i>Tortula muralis</i>	Pottiaceae	G5	S1		RAVA
<i>Tortula norvegica</i>	Pottiaceae	G5	S1		GLAC, LAKE, MADI
<i>Tortula papillosa</i>	Pottiaceae	G5	S1		RAVA, SAND
<i>Warnstorfia exannulata</i>	Amblystegiaceae	G5	S1		N/A

Lichens

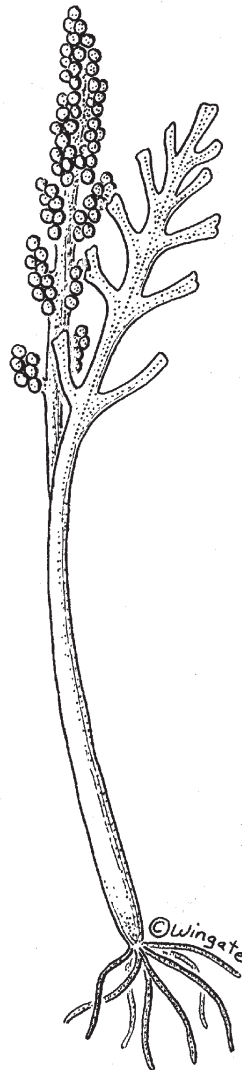
<i>Scientific Name</i>	Family	Global Rank	State Rank	FS Status
<i>Acarospora scabrida</i>	Acarosporaceae	G3G5	S1	SENSITIVE
<i>Adelolecia pilati</i>	Bacidiaceae	G2G4	S1	
<i>Alectoria nigricans</i>	Alectoriaceae	G5	S1	
<i>Alectoria vexillifera</i>	Alectoriaceae	G?	S2	
<i>Arctoparmelia subcentrifuga</i>	Parmeliaceae	G?	S1	
<i>Aspicilia arctica</i>	Hymeneliaceae	G2G4	S1	
<i>Aspicilia fruticulosa</i>	Hymeneliaceae	G3	S1	
<i>Aspicilia myrinii</i>	Hymeneliaceae	G5	S1	
<i>Bacidia auerswaldii</i>	Bacidiaceae	G?	S1	
<i>Bacidia granosa</i>	Bacidiaceae	G?	S1	
<i>Bacidia vermifera</i>	Bacidiaceae	G2G4	S1	
<i>Bryonora castanea</i>	Lecanoraceae	G3G5	S1	
<i>Bryoria friabilis</i>	Parmeliaceae	G3	S2	
<i>Bryoria implexa</i>	Parmeliaceae	G?	S1	
<i>Bryoria nadvornikiana</i>	Parmeliaceae	G?	S1	
<i>Bryoria simplicior</i>	Parmeliaceae	G?	S2	
<i>Bryoria tortuosa</i>	Parmeliaceae	G?	S1	
<i>Buellia badia</i>	Physciaceae	G3?	S1	
<i>Cetraria subalpina</i>	Parmeliaceae	G3?	S2	SENSITIVE
<i>Chaenotheca cinerea</i>	Coniocybaceae	G?	S1	
<i>Chaenotheca subroscida</i>	Coniocybaceae	G?	S1	
<i>Cladina mitis</i>	Cladoniaceae	G5	S1	
<i>Cladina rangiferina</i>	Cladoniaceae	G5	S1	
<i>Cladonia botrytes</i>	Cladoniaceae	G5	S1	
<i>Cladonia digitata</i>	Cladoniaceae	G3G5	S1	
<i>Cladonia transcendens</i>	Cladoniaceae	G5	S1	
<i>Cladonia uncialis</i>	Cladoniaceae	G3G5	S1	
<i>Cliostomum leprosum</i>	Bacidiaceae	G?	S1	
<i>Collema curtisporum</i>	Collemaaceae	G3	S2	SENSITIVE
<i>Collema polycarpon</i>	Collemaaceae	G?	S2	
<i>Cornicularia normoerica</i>	Usneaceae	G3G5	S1	
<i>Cyphelium karelicum</i>	Caliciaceae	G?	S1	
<i>Dactylina madreporiformis</i>	Parmeliaceae	G?	S2	
<i>Dactylina ramulosa</i>	Parmeliaceae	G?	S2	
<i>Dimelaena thysanota</i>	Buelliaceae	G?	S1	
<i>Diploschistes diacapsis</i>	Thelotremataceae	G?	S1	
<i>Endocarpon pulvinatum</i>	Verrucariaceae	G?	S2	
<i>Endocarpon tortuosum</i>	Verrucariaceae	G?	S2	
<i>Euopsis granatina</i>	Lichinaceae	G?	S1	
<i>Evernia divaricata</i>	Parmeliaceae	G?	S1	
<i>Evernia prunastri</i>	Parmeliaceae	G5	S3	

Lichens (cont'd)

<i>Scientific Name</i>	Family	Global Rank	State Rank	FS Status
<i>Farnoldia micropsis</i>	Porpidiaceae	G?	S1	
<i>Cetraria cucullata</i> (<i>Flavocetraria cucullata</i>)	Parmeliaceae	G5	S?	
<i>Flavopunctelia flaventior</i>	Parmeliaceae	G5	S1	
<i>Gyalecta foveolaris</i>	Gyalectaceae	G?	S1	
<i>Gyalecta jenensis</i>	Gyalectaceae	G?	S1	
<i>Hypogymnia enteromorpha</i>	Parmeliaceae	G4	S2	
<i>Hypogymnia inactiva</i>	Parmeliaceae	G3	S1	
<i>Imshaugia aleurites</i>	Parmeliaceae	G5	S1	
<i>Japewia tornoensis</i>	Bacidiaceae	G?	S1	
<i>Lecania fuscella</i>	Bacidiaceae	G?	S1	
<i>Lecanora beringii</i>	Lecanoraceae	G?	S1	
<i>Lecanora umbrosa</i>	Lecanoraceae	G?	S1	
<i>Lecidea dolodes</i>	Lecideaceae	G?	S2	
<i>Lecidia myriocarpoides</i>	Lecideaceae	G	S1	
<i>Lecidea paddensis</i>	Lecideaceae	G?	S1	
<i>Lecidella effugiens</i>	Lecanoraceae	G?	S1	
<i>Leptogium minutissimum</i>	Collembataceae	G?	S1	
<i>Leptogium tenuissimum</i>	Collembataceae	G?	S2	
<i>Lobaria hallii</i>	Lobariaceae	G4	S2	
<i>Lobaria linita</i>	Lobariaceae	G4	S1	
<i>Lobaria scrobiculata</i>	Lobariaceae	G3G4	S1	
<i>Cetraria conmixta</i> (<i>Melanelia commixtra</i>)	Pareliaceae	G?	S1	
<i>Melanelia septentrionalis</i>	Parmeliaceae	G3G5	S1	
<i>Micarea ternaria</i>	Micareaceae	G?	S1	
<i>Miriquidica garovaglii</i>	Lecanoraceae	G?	S1	
<i>Bacidia sabuletorum</i> (<i>Mycobilimbia sabuletorum</i>)	Porpidiaceae	G?	S1	
<i>Neofuscelia loxodes</i>	Parmeliaceae	G3G5	S1	
<i>Neofuscelia subhosseana</i>	Parmeliaceae	G?	S2	
<i>Nodobryoria subdivergens</i> (<i>Bryoria subdivergens</i>)	Parmeliaceae	G2	S2	SENSITIVE
<i>Ophioparma rubricosa</i>	Ophioparmaceae	G?	S3	
<i>Parmelia fraudans</i>	Parmeliaceae	G?	S1	
<i>Parmelia omphalodes</i>	Parmeliaceae	G2G4	S1	
<i>Parmeliella triptophylla</i>	Pannariaceae	G?	S1	
<i>Peltula polyspora</i>	Peltulaceae	G?	S1	
<i>Pertusaria amara</i>	Pertusariaceae	G?	S1	
<i>Pertusaria saximontana</i>	Pertusariaceae	G?	S1	
<i>Pertusaria sommerfeltii</i>	Pertusariaceae	G?	S1	
<i>Phaeophyscia ciliata</i>	Physciaceae	G4G5	S1	
<i>Phaeophyscia kairamoi</i>	Physciaceae	G3G4	S1	
<i>Phaeorrhiza sareptana</i>	Physciaceae	G?	S1	
<i>Physcia semipinnata</i>	Physciaceae	G5	S1	
<i>Platismatia stenophylla</i>	Parmeliaceae	G2G4	S1	
<i>Pseudocyphellaria anomala</i>	Lobariaceae	G2G4	S1	
<i>Psora rubiformis</i>	Psoraceae	G?	S1	
<i>Psorotichia nigra</i>	Lichinaceae	G?	S1	
<i>Psorotichia schaeereri</i>	Lichinaceae	G?	S1	
<i>Ramalina farinacea</i>	Ramalinaceae	G3G5	S2	
<i>Ramalina obtusata</i>	Ramalinaceae	G?	S3	
<i>Ramalina pollinaria</i>	Ramalinaceae	G2G4	S1	
<i>Ramalina thrausta</i>	Ramalinaceae	G3G5	S3	
<i>Rhizocarpon hochstetteri</i>	Rhizocarpaceae	G?	S1	
<i>Rhizocarpon intermediellum</i>	Rhizocarpaceae	G?	S1	
<i>Rhizocarpon polycarpum</i>	Rhizocarpaceae	G?	S1	

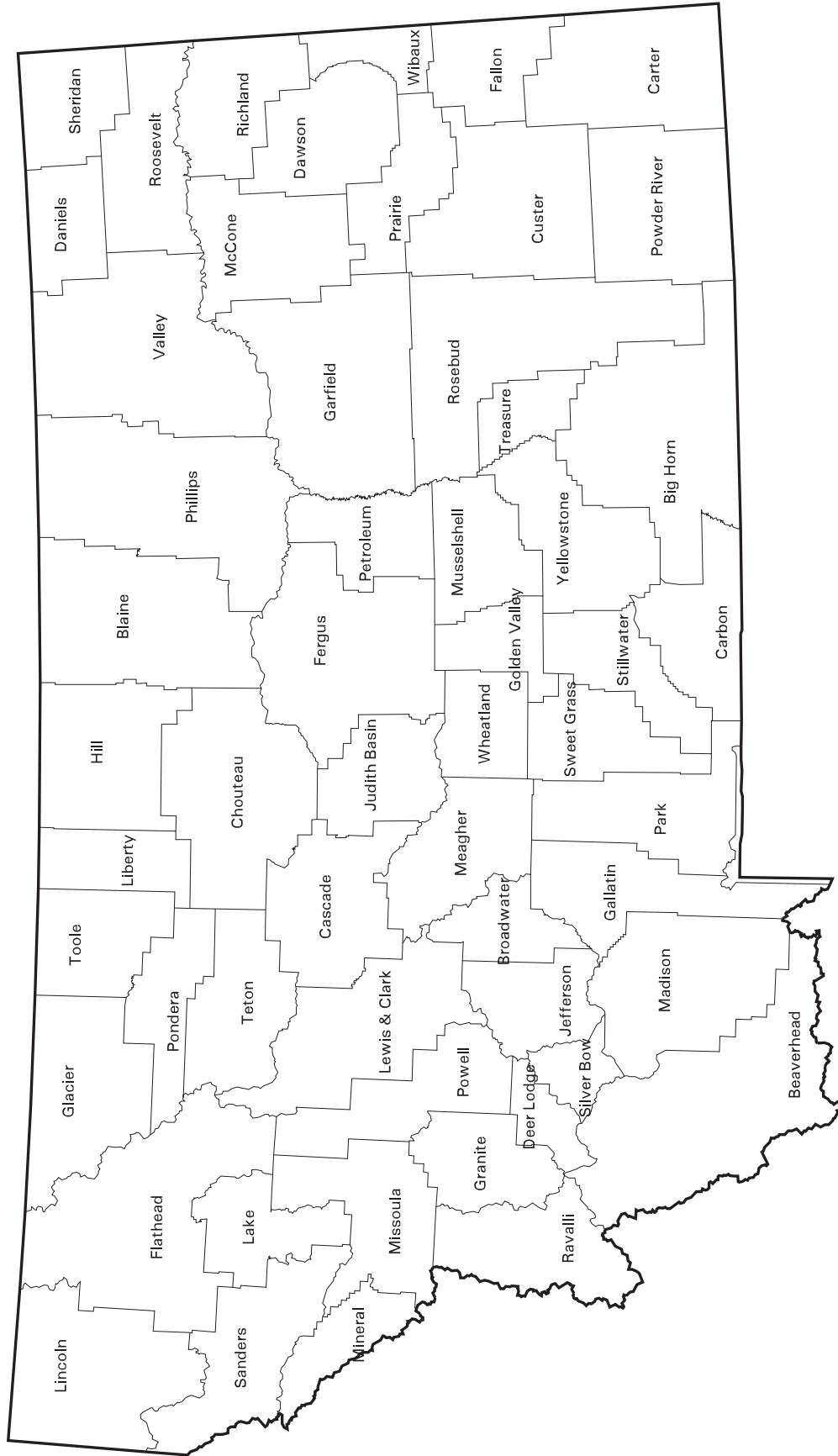
Lichens (cont'd)

<i>Scientific Name</i>	Family	Global Rank	State Rank	FS Status
<i>Rhizoplaca haydenii</i>	Lecanoraceae	G?	S1	
<i>Solorina bispora</i>	Peltigeraceae	G3G5	S1	
<i>Solorina octospora</i>	Peltigeraceae	G3G5	S1	
<i>Solorina saccata</i>	Peltigeraceae	G3G5	S2	
<i>Solorina spongiosa</i>	Peltigeraceae	G3G5	S1	
<i>Sporastatia polyspora</i>	Acarosporaceae	G?	S1	
<i>Stereocaulon paschale</i>	Stereocaulaceae	G5	S1	
<i>Toninia alutacea</i>	Catillariaceae	G?	S1	
<i>Toninia candida</i>	Catillariaceae	G?	S2	
<i>Toninia ruginosa</i>	Catillariaceae	G?	S2	
<i>Cetraria sepincola</i> (<i>Tuckermannopsis sepincola</i>)	Parmeliaceae	G4	S2	
<i>Umbilicaria havaasii</i>	Umbilicariaceae	G3	S1	
<i>Umbilicaria hirsuta</i>	Umbilicariaceae	G2G4	S1	
<i>Umbilicaria lambii</i>	Umbilicariaceae	G2G4	S1	
<i>Umbilicaria muehlenbergii</i>	Umbilicariaceae	G?	S1	
<i>Umbilicaria polyrhiza</i>	Umbilicariaceae	G2G3	S1	
<i>Usnea cavernosa</i>	Parmeliaceae	G3G5	S1	
<i>Verrucaria calkinsiana</i>	Verrucariaceae	G?	S1	
<i>Xanthoparmelia angustiphylla</i>	Parmeliaceae	G5	S1	
<i>Xanthoparmelia montanensis</i>	Parmeliaceae	G5	S1	



Linearleaf Moonwort
(Botrychium lineare)
 Illustration by Janet Wingate;
 From Colorado Rare Plant Field Guide

Montana Counties



Forest Service
Sensitive Plant List

Sensitive - Vascular

Adoxa moschatellina
Agastache cusickii
Allium acuminatum
Allium parvum
Allotropa virgata
Amerorchis rotundifolia
Antennaria densifolia
Aquilegia brevistyla
Arabis fecunda
Asclepias ovalifolia
Astragalus barrii
Astragalus lackschewitzii
Astragalus scaphoides
Athysanus pusillus
Balsamorhiza macrophylla
Bidens beckii
Botrychium ascendens
Botrychium crenulatum
Botrychium hesperium
Botrychium montanum
Botrychium paradoxum
Botrychium pedunculatum
Brasenia schreberi
Carex amplifolia
Carex chordorrhiza
Carex gravida var. *gravida*
Carex idahoa
Carex livida
Carex paupercula
Carex prairea
Carex rostrata
Carex vaginata
Castilleja covilleana
Castilleja gracillima
Castilleja pilosa var. *longispica*
Cirsium longistylum
Clarkia rhomboidea
Claytonia arenicola
Cypripedium fasciculatum
Cypripedium parviflorum
Cypripedium passerinum
Drosera anglica
Drosera linearis
Dryopteris cristata
Eleocharis rostellata
Elymus innovatus
Epipactis gigantea
Erigeron asperugineus
Erigeron evermannii
Erigeron lackschewitzii
Eriophorum gracile
Eupatorium occidentale
Gentianopsis macounii
Gentianopsis simplex
Glossopetalon nevadense
Goodyera repens
Grindelia howellii
Halimolobos perplexa var. *lemhiensis*
Haplopappus aberrans
Haplopappus carthamoides var. *subsquarrosus*

Sensitive (Con't)

Haplopappus macronema var. *macronema*
Heteranthera dubia
Heterocodon rariflorum
Howellia aquatilis - LT
Idahoa scapigera
Juncus hallii
Kalmia polifolia
Lathyrus bijugatus
Lesquerella humilis
Lesquerella paysonii
Lesquerella pulchella
Liparis loeselii
Lomatium geyeri
Lomatogonium rotatum
Lycopodium dendroideum
Lycopodium inundatum
Lycopodium sitchense
Mertensia bella
Mimulus patulus
Mimulus primuloides
Ophioglossum pusillum
Orogenia fusiformis
Oxytropis campestris var. *columbiana*
Oxytropis podocarpa
Penstemon lemhiensis
Penstemon payettensis
Petasites frigidus var. *nivalis*
Phlox kelseyi var. *missoulensis*
Polygonum douglasii ssp. *austinae*
Potamogeton obtusifolius
Potentilla quinquefolia
Psilocarphus brevissimus var. *brevissimus*
Ranunculus jovis
Salix barrattiana
Salix wolfii var. *wolfii*
Saussurea weberi
Saxifraga tempestiva
Scheuchzeria palustris
Scirpus cespitosus
Scirpus subterminalis
Shoshonea pulvinata
Thalictrum alpinum
Thelypteris phegopteris
Thlaspi parviflorum
Trifolium eriocephalum ssp. *arcuatum*
Trifolium gymnocarpon
Utricularia intermedia
Veratrum californicum
Viola renifolia
Waldsteinia idahoensis

Sensitive - Nonvascular

Bryoria subdivergens
Cetraria subalpina
Collema curtisporum
Grimmia brittoniae
Meesia triquetra
Scorpidium scorpioides

Bureau of Land Management
Sensitive Plant List

Sensitive

Agastache cusickii
Arabis fecunda
Astragalus ceramicus var. *apus*
Astragalus geyeri
Astragalus geyeri var. *geyeri*
Astragalus scaphoides
Astragalus terminalis
Camissonia andina
Camissonia parvula
Carex crawei
Carex idahoa
Cryptantha scoparia
Elymus flavescens
Eriogonum salsuginosum
Lesquerella carinata var. *languida*
Lesquerella lesicii
Lesquerella pulchella
Lomatium attenuatum
Malacothrix torreyi
Nama densum
Oenothera pallida var. *idahoensis*
Penstemon lemhiensis
Penstemon whippleanus
Quercus macrocarpa
Shoshonea pulvinata
Sphaeromeria argentea
Taraxacum eriophorum
Thalictrum alpinum
Thelypodium paniculatum

Watch

Adoxa moschatellina
Ambrosia acanthicarpa
Amerorchis rotundifolia
Arabis demissa var. *languida*
Asclepias ovalifolia
Asclepias stenophylla
Astragalus aretioides
Astragalus barrii
Astragalus convallarius var. *convallarius*
Astragalus oregonus
Astragalus racemosus var. *longisetus*
Atriplex truncata
Bacopa rotundifolia
Balsamorhiza macrophylla
Bidens comosa
Bidens vulgata var. *schizantha*
Carex eburnea
Carex gravida var. *gravida*
Carex multicosata
Carex occidentalis
Carex torreyi
Castilleja gracillima
Castilleja pilosa var. *longispica*
Ceanothus herbaceus var. *pubescens*
Celastrus scandens
Centunculus minimus
Cercocarpus montanus var. *glaber*
Chenopodium subglabrum
Chrysothamnus linifolius
Cleome lutea
Conioselinum scopulorum
Cryptantha fendleri
Cryptantha humilis
Cyperus acuminatus

Watch (Con't)

Cyperus schweinitzii
Cypripedium parviflorum
Dalea enneandra
Dalea villosa var. *villosa*
Dichantheium oligosanthes var. *scribnerianum*
Downingia laeta
Draba globosa
Eleocharis rostellata
Elodea longivaginata
Epipactis gigantea
Erigeron asperugineus
Erigeron formosissimus var. *viscidus*
Eupatorium maculatum var. *bruneri*
Eustoma grandiflorum
Gentianopsis macounii
Gentianopsis simplex
Grayia spinosa
Halimolobos virgata
Haplopappus carthamoides var. *subsquarrosus*
Hutchinsia procumbens
Leptodactylon caespitosum
Lesquerella klausii
Lomatium nuttallii
Lomatogonium rotatum
Machaeranthera commixta
Mentzelia nuda
Mentzelia pumila
Mirabilis hirsuta
Najas guadalupensis
Nuttallanthus texanus
Oryzopsis contracta
Penstemon angustifolius
Phacelia incana
Phacelia scopulina
Phacelia thermalis
Phlox andicola
Plagiobothrys leptocladus
Poa curta
Polygonum polygaloides
Potentilla plattensis
Primula alcalina
Primula incana
Psilocarphus brevissimus var. *brevissimus*
Psoralea hypogaea
Ranunculus cardiophyllus
Ranunculus pedatifidus
Rorippa calycina
Salix serissima
Scirpus cyperinus
Solidago sparsiflora
Sphenopholis intermedia
Spiranthes diluvialis - LT
Sporobolus asper
Sporobolus neglectus
Stellaria crassifolia
Stellaria jamesiana
Stephanomeria spinosa
Sullivantia hapemanii var. *hapemanii*
Townsendia condensata
Townsendia florifer
Townsendia nuttallii
Veratrum californicum
Viola renifolia
Wolffia columbiana

