

ALBERTA NATURAL HERITAGE INFORMATION CENTRE
TRACKING AND WATCH LISTS
VASCULAR PLANTS, MOSSES, LIVERWORTS AND HORNWORTS



Compiled by Joyce Gould
July, 2006

Alberta
COMMUNITY DEVELOPMENT



A Member of NatureServe's Network
of Conservation Data Centres.

Front page: Haller's apple moss
Photo Credit: René Belland

Haller's apple moss (*Bartramia halleriana* Hedw.) is considered a nationally and provincially rare species of Moss (ranked S1 by the Alberta Natural Heritage Information Centre). The species is known from Europe, Asia, South America, Australia, New Zealand and Hawaii and in Canada is known from few sites in British Columbia and Alberta. Haller's apple moss is associated with acidic (siliceous) rock of forested cliffs and ledges in the Rocky Mountains. This species is currently protected under the federal *Species at Risk Act* (SARA).

For copies of this report, contact:
Alberta Natural Heritage Information Centre
Parks and Protected Areas Division
Alberta Community Development
2nd Floor, 9820 – 106 Street
Edmonton, AB T5K 2J6
780-427-7702

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ALBERTA NATURAL HERITAGE INFORMATION CENTRE
TRACKING AND WATCH LISTS -VASCULAR PLANTS, MOSSES, LIVERWORTS AND HORNWORTS

Compiled by Joyce Gould
July, 2006

This list contains the tracking and watch lists for vascular plants, mosses, liverworts and hornworts as developed by the Alberta Natural Heritage Information Centre (ANHIC), Alberta Community Development. The addition of liverworts and hornworts to the list is relatively new and the ranks for these groups should be viewed as preliminary in nature. We encourage submission of locational information for any of the taxa on either the tracking or watch lists. A Rare Plant and Lichen Survey Form is attached for your convenience.

Background

The ANHIC was initiated as a joint project of The Nature Conservancy, Canadian Heritage, Alberta Region and Alberta Environmental Protection. It is housed within the Parks and Protected Areas Division of Alberta Community Development. The ANHIC has established both formal and informal links with organizations and individuals with expertise and information about plants in Alberta. The Devonian Botanic Garden of the University of Alberta is an affiliate.

The purpose of the Centre is to collect, evaluate and make available information on the elements of native biodiversity of Alberta—plants, lichens, fungi, animals, natural communities and landscapes. This is done in part through the production of tracking and watch lists.

Tracking and Watch Lists

Tracking lists include elements of high priority because they are rare or of conservation concern in some other way. They are most commonly ranked S1, S2 and occasionally S3 (see below for an explanation of ranking). Data for those species on the tracking lists are entered into a series of data files and linked to a geographic information system. Watch lists include elements for which we want to collect more information but for which data is compiled rather than processed to the fullest extent. The tracking and watch lists are under constant review and revision based on available data and will be updated and published on a periodic basis.

Information contained within previous publications on the rare vascular flora of the province (Argus and White 1978, Argus and Pryer 1990, Packer and Bradley 1984) has been incorporated into the ANHIC and updated. This was done using various sources of information including published and unpublished literature, field surveys, herbarium specimens, rare plant files and discussions with knowledgeable individuals. The same types of information were used to develop the tracking list for nonvasculars. The tracking and watch lists are organized by taxonomic group and then alphabetically by scientific name.

Ranks are reviewed periodically based on data contained within the ANHIC and therefore, information submitted to us by individuals is of great help. Several individuals have assisted in the production of various versions of the list through review of ranks and/or taxonomy and their assistance is gratefully acknowledged: Dr. Peter Achuff (vasculars and non-vasculars), Dr. Susan Aiken (*Festuca*), Lorna Allen (vasculars), Dr. George Argus (*Salix*), Dr. John Bain (*Erigeron*, *Packera*, *Senecio*), Dr. Peter Ball, (*Carex*), Dr. Randy Bayer (*Antennaria*), Dr. René Belland (non-vasculars), Cheryl Bradley (vasculars), Dr. Donald Britton (ferns), Dan Brunton, (*Isoetes*, ferns), Dana Bush (vasculars), Richard Caners (non-vasculars), Dr. Adolf Ceska (vasculars), Donna Cherniawsky (vasculars), Beth Cornish (vasculars), Patsy Cotterill (vasculars), Dr. Bill Crins (*Carex*), Stephen Darbyshire (*Poaceae*), Jennifer Doubt (non-vasculars), Dorothy Fabijan (vasculars), Dr. Bruce Ford (*Carex*), Gina Fryer (vasculars), Joanne Golden, (*Packera*, *Senecio*), Dr. Graham Griffiths (vasculars), Roxanne Hastings (non-vasculars), Julie Hrapko (vasculars), Derek Johnson (vasculars and non-vasculars), Dr. John Kartesz (vasculars), Linda Kershaw (vasculars), Jane Lancaster (vasculars), Ian

Macdonald (vasculars), Dr. Robert Naczi, (Carex), Dr. John Packer (vasculars), Ross Priddle (non-vasculars), Dr. Kathleen Pryer (Gymnocarpium), Dale Soppet (vasculars), Dr. Robert Soreng (Poaecae), Dr. Lisa Standley (Acutae Group of Carex), Dr. Dale Vitt (non-vasculars), Ksenija Vujnovic (vasculars), the late Dr. W. H. Wagner (Botrychium), Cliff Wallis (vasculars), Kathleen Wilkinson (vasculars), Joan Williams (vasculars), Patrick Williston (Botrychium) and Roberta Yakimchuk (vasculars).

Species that are on the watch lists are typically taxa that have restricted distributions within Alberta but are common within their range. Information is collected to ascertain trends in populations. We may decide to move a species from the watch list to the tracking list if information suggests that the species may be in decline. If a population of a taxon on the watch list is encountered, please fill out and submit a Rare Plant and Lichen Survey Form.

Plants Requiring Further Information

In addition to the plants listed on the watch and tracking lists, we will be compiling information on the following species:

Calypso bulbosa Venus'slipper (white form only)
Corallorhiza maculata f. *flavida* spotted coral-root (yellow form only)
Erigeron scotteri fleabane
Geranium viscosissimum f. *album* sticky purple geranium
Lilium philadelphicum var. *andinum* f. *immaculatum* yellow wood lily
Wolffia columbiana watermeal (large celled and small celled forms)
Myriophyllum verticillatum water-milfoil (semi-terrestrial form only)

Comments and additional information on any of these species as well as those on the tracking and watch lists are welcomed.

Rank

Elements are evaluated and ranked on their status (globally and state/provincially) using a system developed by The Nature Conservancy which is in use throughout North America. Ranking is usually based primarily on the number of occurrences, since that is frequently the only information available. Information, such as population size and trend, life history and reproductive strategies, range and current threats is used when available. The ranks in Alberta are defined as:

RANK (G=global; S=Alberta)

G1 S1: < 5 occurrences or only a few remaining individuals.

G2 S2: 6-20 occurrences or with many individuals in fewer occurrences.

G3 S3: 21 -100 occurrences may be rare and local throughout its range, or in a restricted range (may be abundant in some locations or may be vulnerable to extirpation because of some factor of its biology).

G4 S4: apparently secure under present conditions, typically >100 occurrences but may be fewer with many large populations; may be rare in parts of its range, especially peripherally.

G5 S5: demonstrably secure under present conditions, > 100 occurrences, may be rare in parts of its range, especially peripherally.

GNR SNR: unranked or under review

GH SH: historically known, may be relocated in the future.

GNA SNA: conservation status not applicable (includes exotic species)

T_: rank for a subspecific taxon

X: believed to be extirpated

G? or S?: not yet ranked

_?: rank questionable

Nomenclatural Changes and Taxonomic Revisions

Changes in nomenclature or taxonomy may result in some confusion regarding the status of species. Ongoing work, particularly the Flora of North America project, is resulting in taxonomic revision and nomenclatural changes to many of the vascular taxa occurring in Alberta. We are incorporating these changes into the database, and subsequently the tracking list, as information becomes available. The scientific name (SName) reflects these changes where possible.

Updates and Additional Information

We are asking for your help in keeping our databases as accurate and up-to-date as possible. If you discover any new occurrences of species on this list, please submit a Rare Plant and Lichen Survey Form. Feel free to notify us of any inaccuracies or discrepancies you may notice in our data, or if you have comments on the rank, and give us your suggestions on how our services could be more useful to you.

Information on the ANHIC is available through the Internet at <http://www.cd.gov.ab.ca/preserving/parks/anhic/infosite.asp> or by

contacting:

John Rintoul
Coordinator, Alberta Natural Heritage Information Centre
Alberta Community Development
2nd Floor, 9820 106 Street
Edmonton, AB T5K 2J6
(780) 427-6639; (780) 427-5980 (fax); john.rintoul@gov.ab.ca (e-mail)

Comments on this list, or requests to be put on the mailing list for updates, should be directed to:

Joyce Gould
Senior Botanist, Alberta Natural Heritage Information Centre
Alberta Community Development
2nd Floor, 9820 106 Street
Edmonton, AB T5K 2J6
(780) 427-7702; (780) 427-5980 (fax); joyce.gould@gov.ab.ca (e-mail)

Data requests should be directed to:

John Rintoul
Data Manager, Alberta Natural Heritage Information Centre
Alberta Community Development
2nd Floor, 9820 106 Street
Edmonton, AB T5K 2J6
(780) 427-6639; (780) 427-5980 (fax); john.rintoul@gov.ab.ca (e-mail)

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Tracking List: Vascular Plants

2006-07-08

| Scientific Name | Common Name | S Rank | G Rank | Code |
|---|-------------------------|--------|---------|------------|
| <i>Adenocaulon bicolor</i> | pathfinder | S2S3 | G5? | PDAST06010 |
| <i>Adiantum aleuticum</i> | western maidenhair fern | S2 | G5? | PPADI030Q0 |
| <i>Agoseris lackschewitzii</i> | pink false dandelion | S2 | G4 | PDAST090C0 |
| <i>Agropyron x brevifolium</i> | | SNR | GNA | PMPOA030Q0 |
| <i>Agrostis exarata</i> | spike redtop | S2 | G5 | PMPOA040D0 |
| <i>Agrostis humilis</i> | low bent grass | S1 | G4 | PMPOA040P0 |
| <i>Agrostis mertensii</i> | northern bent grass | S2 | G5 | PMPOA040T0 |
| <i>Agrostis thurberiana</i> | Thurber's bent grass | S2 | G5 | PMPOA04160 |
| <i>Allium geyeri</i> | Geyer's onion | S2 | G4G5 | PMLIL02100 |
| <i>Alopecurus alpinus</i> | alpine foxtail | S2 | G5 | PMPOA07020 |
| <i>Amaranthus californicus</i> | Californian amaranth | S1S2 | G4 | PDAMA040A0 |
| <i>Ambrosia acanthicarpa</i> | bur ragweed | S2 | G5 | PDAST0C010 |
| <i>Anagallis minima</i> | chaffweed | S1S2 | G5 | PDPRI01020 |
| <i>Anemone quinquefolia</i> | wood anemone | S1 | G5 | PDRAN040L0 |
| <i>Antennaria aromatica</i> | scented everlasting | S2 | G4 | PDAST0H0V0 |
| <i>Antennaria corymbosa</i> | corymbose everlasting | S1 | G5 | PDAST0H070 |
| <i>Antennaria luzuloides</i> | silvery everlasting | S1 | G5 | PDAST0H0C0 |
| <i>Antennaria monocephala ssp angustata</i> | one-headed everlasting | S2 | G4G5TNR | PDAST0H0F1 |
| <i>Aquilegia formosa</i> | Sitka columbine | S2 | G5 | PDRAN050B0 |
| <i>Aquilegia jonesii</i> | Jones' columbine | S2 | G4 | PDRAN050D0 |
| <i>Arabidopsis salsuginea</i> | mouse-ear cress | S1 | G4G5 | PDBRA05020 |
| <i>Arabis lemmonii</i> | Lemmon's rock cress | S2 | G5 | PDBRA06110 |
| <i>Arctagrostis arundinacea</i> | polar grass | S1 | G5T5 | PMPOA0H011 |
| <i>Arenaria longipedunculata</i> | sandwort | S1 | G3Q | PDCAR040H0 |
| <i>Aristida purpurea var longiseta</i> | red three-awn | S1 | G5T5? | PMPOA0K0W1 |
| <i>Arnica amplexicaulis</i> | stem-clasping arnica | S2 | G4G5 | PDAST0Q030 |
| <i>Arnica longifolia</i> | long-leaved arnica | S2 | G5 | PDAST0Q0E0 |
| <i>Arnica louiseana</i> | rock arnica | S3 | G3 | PDAST0Q0F0 |
| <i>Arnica parryi</i> | nodding arnica | S2 | G5 | PDAST0Q0J0 |
| <i>Artemisia furcata var furcata</i> | forked wormwood | S1 | G4TNR | PDAST0S0M2 |
| <i>Artemisia tilesii</i> | Herriot's sagewort | S2 | G5 | PDAST0S1Q0 |
| <i>Artemisia tridentata</i> | big sagebrush | S2 | G5 | PDAST0S1R0 |
| <i>Asclepias viridiflora</i> | green milkweed | S1 | G5 | PDASC02260 |
| <i>Aster campestris</i> | meadow aster | S2 | G5 | PDASTE8090 |
| <i>Aster eatonii</i> | Eaton's aster | S2 | G5 | PDASTE80E0 |
| <i>Aster pauciflorus</i> | few-flowered aster | S2 | G4 | PDASTEL010 |
| <i>Aster umbellatus</i> | flat-topped white aster | S2 | G5 | PDASTEH020 |
| <i>Aster x maccallae</i> | | S1S2 | GNA | PDAST0T5G0 |
| <i>Astragalus bodinii</i> | Bodin's milk vetch | S1 | G4 | PDFAB0F1C0 |
| <i>Astragalus kentrophyta var kentrophyta</i> | prickly milk vetch | S1S2 | G5T4 | PDFAB0F4J7 |
| <i>Astragalus purshii</i> | Pursh's milk vetch | S2 | G5 | PDFAB0F7A0 |
| <i>Athyrium alpestre var americanum</i> | alpine spleenwort | S1 | G4G5 | PPDRY02010 |
| <i>Atriplex canescens</i> | saltbush | SU | G5 | PDCHE04090 |
| <i>Atriplex powellii</i> | Powell's saltbush | S1 | G4 | PDCHE041L0 |
| <i>Atriplex truncata</i> | saltbush | S1 | G5 | PDCHE04230 |
| <i>Bacopa rotundifolia</i> | water hyssop | S1 | G5 | PDSCR06080 |
| <i>Bidens frondosa</i> | common beggarticks | S1 | G5 | PDAST180R0 |
| <i>Blysmus rufus</i> | Red Bulrush | S1 | G5 | PMCYP0Q1C0 |
| <i>Boisduvalia glabella</i> | smooth boisduvalia | S2 | G5 | PDONA01030 |
| <i>Bolboschoenus fluviatilis</i> | river bulrush | S1 | G5 | PMCYP0Q0P0 |
| <i>Boschniakia rossica</i> | ground-cone | S1 | G5 | PDORO01020 |
| <i>Botrychium ascendens</i> | ascending grape fern | S1 | G2G3 | PPOPH010S0 |
| <i>Botrychium boreale</i> | northern grape fern | SU | GNR | PPOPH01230 |
| <i>Botrychium campestre</i> | field grape fern | S1 | G3G4 | PPOPH010W0 |

| Scientific Name | Common Name | S Rank | G Rank | Code |
|---|-------------------------------|--------|----------|------------|
| <i>Botrychium crenulatum</i> | | S1 | G3 | PPOPH010L0 |
| <i>Botrychium hesperium</i> | western grape fern | SU | G3G4 | PPOPH010Q0 |
| <i>Botrychium lanceolatum</i> | lance-leaved grape fern | S2 | G5 | PPOPH01070 |
| <i>Botrychium lineare</i> | straight-leaf moonwort | S1 | G1 | PPOPH01120 |
| <i>Botrychium michiganense</i> | | SU | G1 | PPOPH01200 |
| <i>Botrychium minganense</i> | Mingan grape fern | S2S3 | G4 | PPOPH010R0 |
| <i>Botrychium oneidense</i> | blunt-lobe grape-fern | S1 | G4Q | PPOPH010C0 |
| <i>Botrychium pallidum</i> | | S1 | G3 | PPOPH01130 |
| <i>Botrychium paradoxum</i> | paradoxical grape fern | S1 | G2 | PPOPH010J0 |
| <i>Botrychium pedunculatum</i> | | S1 | G2G3 | PPOPH010T0 |
| <i>Botrychium pinnatum</i> | | S1 | G4? | PPOPH010V0 |
| <i>Botrychium simplex</i> | dwarf grape fern | S2 | G5 | PPOPH010E0 |
| <i>Botrychium spathulatum</i> | | S2 | G3 | PPOPH01140 |
| <i>Botrychium x watertonense</i> | | S1 | GNA | PPOPH01160 |
| <i>Boykinia heucheriformis</i> | telesonix | S2 | G4 | PDSAX18010 |
| <i>Brasenia schreberi</i> | watershield | S1 | G5 | PDCAB01010 |
| <i>Braya humilis var maccallae</i> | leafy braya | S1 | G5T2T3Q | PDBRA0D047 |
| <i>Braya humilis var porsildii</i> | | S1 | G5TNRQ | PDBRA0D048 |
| <i>Braya purpurascens</i> | alpine braya | S1S2 | G5T4T5 | PDBRA0D023 |
| <i>Brickellia grandiflora</i> | large-flowered brickellia | S2 | G5 | PDAST1H0L0 |
| <i>Bromus latiglumis</i> | Canada brome | S1 | G5 | PMPOA151M0 |
| <i>Calamagrostis lapponica</i> | Lapland reed grass | S1 | G5 | PMPOA170N0 |
| <i>Calylophus serrulatus</i> | shrubby evening-primrose | S2 | G5 | PDONA02040 |
| <i>Camassia quamash var quamash</i> | blue camas | S2 | G5T3T5 | PMLIL0E047 |
| <i>Camissonia andina</i> | upland evening-primrose | S1 | G4 | PDONA03010 |
| <i>Camissonia breviflora</i> | taraxia | S1 | G5 | PDONA03060 |
| <i>Campanula aparinoides</i> | marsh bellflower | S1 | G5 | PDCAM02030 |
| <i>Campanula uniflora</i> | alpine harebell | S2 | G4 | PDCAM020Y0 |
| <i>Cardamine bellidifolia</i> | alpine bitter cress | S2S3 | G5 | PDBRA0K020 |
| <i>Cardamine oligosperma var kamtschatica</i> | mountain cress | S2 | G5T3T5 | PDBRA0K0U1 |
| <i>Cardamine parviflora</i> | small bitter cress | S1 | G5 | PDBRA0K0V0 |
| <i>Cardamine pratensis</i> | meadow bitter cress | S1S2 | G5 | PDBRA0K0Z0 |
| <i>Carex adusta</i> | browned sedge | S1 | G5 | PMCYP03070 |
| <i>Carex aperta</i> | open sedge | S1 | G4 | PMCYP030U0 |
| <i>Carex arcta</i> | narrow sedge | S1 | G5 | PMCYP030X0 |
| <i>Carex backii</i> | Back's sedge | S2 | G4 | PMCYP031F0 |
| <i>Carex bicolor</i> | | SU | G5 | PMCYP031Q0 |
| <i>Carex cordillerana</i> | | S1 | GNR | PMCYP03KY0 |
| <i>Carex crawei</i> | Crawe's sedge | S2 | G5 | PMCYP03360 |
| <i>Carex echinata ssp echinata</i> | little prickly sedge | S1 | G5T5 | PMCYP03431 |
| <i>Carex glacialis</i> | glacier sedge | S2 | G5 | PMCYP03570 |
| <i>Carex heleonastes</i> | Hudson Bay sedge | S2 | G4 | PMCYP035T0 |
| <i>Carex heteroneura var epapillosa</i> | blackened sedge | S1 | G5TNR | PMCYP035X3 |
| <i>Carex houghtoniana</i> | sand sedge | S2 | G5 | PMCYP03690 |
| <i>Carex hystericina</i> | porcupine sedge | S1 | G5 | PMCYP036D0 |
| <i>Carex illota</i> | small-headed sedge | S1 | G4G5 | PMCYP036F0 |
| <i>Carex incurviformis var incurviformis</i> | seaside sedge | S2 | G4G5T4T5 | PMCYP036G2 |
| <i>Carex infirmivervia</i> | | S1 | G4G5 | PMCYP03L40 |
| <i>Carex lachenalii</i> | two-parted sedge | S2 | G5 | PMCYP031T0 |
| <i>Carex lacustris</i> | lakeshore sedge | S2 | G5 | PMCYP036W0 |
| <i>Carex lenticularis var dolia</i> | lens-fruited sedge | S1 | G5T3Q | PMCYP037A3 |
| <i>Carex lenticularis var lenticularis</i> | | S1 | G5T5 | PMCYP037A5 |
| <i>Carex leptopoda</i> | taper-fruit short-scale sedge | S1 | G5 | PMCYP037G0 |
| <i>Carex mertensii</i> | purple sedge | S1 | G5 | PMCYP038E0 |
| <i>Carex misandra</i> | nodding sedge | S1S2 | G5 | PMCYP038N0 |

| Scientific Name | Common Name | S Rank | G Rank | Code |
|--|----------------------------------|--------|--------|------------|
| <i>Carex nebrascensis</i> | Nebraska sedge | S2 | G5 | PMCYP03940 |
| <i>Carex oligosperma</i> | few-fruited sedge | S1S2 | G5? | PMCYP039Q0 |
| <i>Carex paysonis</i> | Payson's sedge | S1S2 | G4 | PMCYP03A80 |
| <i>Carex pedunculata</i> | stalked sedge | S1 | G5 | PMCYP03AA0 |
| <i>Carex petasata</i> | pasture sedge | S1S2 | G5 | PMCYP03AE0 |
| <i>Carex platylepis</i> | broad-scaled sedge | S1S2 | G4? | PMCYP03AQ0 |
| <i>Carex podocarpa</i> | alpine sedge | S2 | G4G5 | PMCYP03AV0 |
| <i>Carex preslii</i> | Presl sedge | S2 | G4 | PMCYP03B30 |
| <i>Carex saximontana</i> | | S1 | G5 | PMCYP03C20 |
| <i>Carex scoparia</i> | broom sedge | S1 | G5 | PMCYP03C90 |
| <i>Carex supina</i> | weak sedge | S1 | G5 | PMCYP03DB0 |
| <i>Carex tinctoria</i> | tinged sedge | SU | G4G5 | PMCYP03DQ0 |
| <i>Carex umbellata</i> | umbellate sedge | S1 | G5 | PMCYP03E60 |
| <i>Carex vesicaria</i> | blister sedge | S1 | G5 | PMCYP03EE0 |
| <i>Carex vulpinoidea</i> | fox sedge | S2 | G5 | PMCYP03EN0 |
| <i>Castilleja pallida</i> | pale greenish paintbrush | SU | G5 | PDSCROD2D0 |
| <i>Castilleja parviflora</i> | small-flowered Indian paintbrush | S1 | G5? | PDSCROD2E0 |
| <i>Castilleja sessiliflora</i> | downy paintbrush | S1 | G5 | PDSCROD300 |
| <i>Cerastium brachypodium</i> | | S1 | G5 | PDCAR060Y0 |
| <i>Cheilanthes gracillima</i> | lace fern | S1 | G4G5 | PPADI090B0 |
| <i>Chenopodium atrovirens</i> | goosefoot | S1 | G5 | PDCHE09060 |
| <i>Chenopodium desiccatum</i> | goosefoot | S1S2 | G5 | PDCHE090H0 |
| <i>Chenopodium incanum</i> | goosefoot | S1 | G5 | PDCHE090T0 |
| <i>Chenopodium leptophyllum</i> | narrow-leaved goosefoot | SU | G5 | PDCHE090V0 |
| <i>Chenopodium subglabrum</i> | smooth narrow-leaved goosefoot | S1 | G3G4 | PDCHE091G0 |
| <i>Chenopodium watsonii</i> | Watson's goosefoot | S1 | G5 | PDCHE091K0 |
| <i>Chrysosplenium iowense</i> | golden saxifrage | S3 | G3 | PDSAX07030 |
| <i>Chrysosplenium tetrandrum</i> | green saxifrage | S3 | G5 | PDSAX07050 |
| <i>Cirsium scariosum</i> | thistle | SU | G5 | PDAST2E2Q0 |
| <i>Conimitella williamsii</i> | conimitella | S2 | G3? | PDSAX08010 |
| <i>Coreopsis tinctoria</i> | common tickseed | S2S3 | G5 | PDAST2L0V0 |
| <i>Cornus unalaschensis</i> | | SNR | G5? | PDCOR010F0 |
| <i>Crepis atribarba</i> | hawk's-beard | S2 | G5 | PDAST2R020 |
| <i>Crepis intermedia</i> | intermediate hawk's-beard | S2 | G5 | PDAST2R090 |
| <i>Crepis occidentalis</i> | small-flowered hawk's-beard | S2 | G5 | PDAST2R0E0 |
| <i>Cryptantha affinis</i> | | SU | G4 | PDBOR0A020 |
| <i>Cryptantha kelseyana</i> | Kelsey's cat's eye | S1 | G4 | PDBOR0A1L0 |
| <i>Cryptantha minima</i> | tiny cryptanthe | S1 | G5 | PDBOR0A1Y0 |
| <i>Cryptogramma stelleri</i> | Steller's rock brake | S2 | G5 | PPADI0B020 |
| <i>Cuscuta gronovii</i> | common dodder | S1 | G5 | PDCUS010T0 |
| <i>Cynoglossum virginianum var boreale</i> | wild comfrey | S1 | G5T4T5 | PDBOR0B081 |
| <i>Cyperus schweinitzii</i> | sand nut-grass | S2 | G5 | PMCYP06360 |
| <i>Cyperus squarrosus</i> | awned nut-grass | S1 | G5 | PMCYP064B0 |
| <i>Cypripedium acaule</i> | stemless lady's-slipper | S3 | G5 | PMORC0Q010 |
| <i>Cypripedium montanum</i> | mountain lady's-slipper | S2 | G4 | PMORC0Q080 |
| <i>Cystopteris montana</i> | mountain bladder fern | S2 | G5 | PPDRY07050 |
| <i>Danthonia spicata</i> | poverty oat grass | S1S2 | G5 | PMPOA200A0 |
| <i>Deschampsia elongata</i> | slender hair grass | S1 | G5 | PMPOA22080 |
| <i>Diphasiastrum sitchense</i> | ground-fir | S2 | G5 | PPLYC01100 |
| <i>Douglasia montana</i> | mountain dwarf-primula | S1 | G4? | PDPRI04040 |
| <i>Downingia laeta</i> | downingia | S1S2 | G5 | PDCAM06080 |
| <i>Draba densifolia</i> | whitlow-grass | S1S2 | G5 | PDBRA110W0 |
| <i>Draba fladnizensis</i> | whitlow-grass | S1S2 | G4 | PDBRA110Z0 |
| <i>Draba glabella</i> | whitlow-grass | S1 | G4G5 | PDBRA11100 |
| <i>Draba kananaskis</i> | Kananaskis whitlow-grass | S1 | G1Q | PDBRA111C0 |

| Scientific Name | Common Name | S Rank | G Rank | Code |
|--|---------------------------|--------|----------|------------|
| <i>Draba longipes</i> | whitlow-grass | S1S2 | G4 | PDBRA111G0 |
| <i>Draba macounii</i> | Macoun's whitlow-grass | S2 | G3G4 | PDBRA111H0 |
| <i>Draba porsildii</i> | Porsild's whitlow-grass | S2 | G3G4 | PDBRA11200 |
| <i>Draba reptans</i> | whitlow-grass | S1S2 | G5 | PDBRA11270 |
| <i>Draba ventosa</i> | whitlow-grass | S2 | G3 | PDBRA112N0 |
| <i>Drosera linearis</i> | slender-leaved sundew | S2 | G4 | PDDRO02060 |
| <i>Dryopteris cristata</i> | crested shield fern | S1 | G5 | PPDRY0A090 |
| <i>Dryopteris filix-mas</i> | male fern | S1 | G5 | PPDRY0A0B0 |
| <i>Elatine triandra</i> | waterwort | S1 | G5 | PDELTO2090 |
| <i>Eleocharis compressa var borealis</i> | flattened spike-rush | S1 | G5T5 | PMCYP091S2 |
| <i>Eleocharis engelmannii</i> | Engelmann's spike-rush | S1 | G4G5Q | PMCYP090M0 |
| <i>Eleocharis mamillata</i> | | SNR | | PMCYP092B0 |
| <i>Eleocharis tenuis</i> | slender spike-rush | SU | G5 | PMCYP091S0 |
| <i>Ellisia nyctelea</i> | waterpod | S2 | G5 | PDHYD02010 |
| <i>Elodea bifoliata</i> | two-leaved waterweed | S1 | G4G5 | PMHYD03010 |
| <i>Elymus scribneri</i> | Scribner's wheat grass | S2 | G5 | PMPOA2H170 |
| <i>Elymus virginicus</i> | Virginia wild rye | SNR | G5 | PMPOA2H0M0 |
| <i>Epilobium clavatum</i> | willowherb | S2 | G5 | PDONA06050 |
| <i>Epilobium glaberrimum ssp fastigiatum</i> | willowherb | S1 | G5T4T5 | PDONA06091 |
| <i>Epilobium halleanum</i> | willowherb | S1 | G5 | PDONA060A0 |
| <i>Epilobium lactiflorum</i> | willowherb | S2 | G5 | PDONA060D0 |
| <i>Epilobium leptocarpum</i> | willowherb | S1 | G5 | PDONA060F0 |
| <i>Epilobium luteum</i> | willowherb | S1 | G5 | PDONA060H0 |
| <i>Epilobium mirabile</i> | willowherb | SNR | G4Q | PDONA060K0 |
| <i>Epilobium saximontanum</i> | Rocky Mountain willowherb | S1 | G5 | PDONA060W0 |
| <i>Erigeron divergens</i> | fleabane | S1 | G5 | PDAST3M160 |
| <i>Erigeron flagellaris</i> | creeping fleabane | S1S2 | G5 | PDAST3M1F0 |
| <i>Erigeron hyssopifolius</i> | wild daisy fleabane | S1 | G5 | PDAST3M1Y0 |
| <i>Erigeron lackschewitzii</i> | front-range fleabane | S1 | G3 | PDAST3M5W0 |
| <i>Erigeron ochroleucus var scribneri</i> | buff fleabane | S2 | G5T5 | PDAST3M2V2 |
| <i>Erigeron pallens</i> | pale alpine fleabane | S2 | G4 | PDAST3M300 |
| <i>Erigeron radicans</i> | dwarf fleabane | S2 | G3 | PDAST3M3L0 |
| <i>Erigeron trifidus</i> | trifid-leaved fleabane | S1S2 | G2G3Q | PDAST3M4L0 |
| <i>Eriogonum cernuum</i> | nodding umbrella-plant | S2 | G5 | PDPGN08110 |
| <i>Eriogonum pauciflorum</i> | | SU | G5 | PDPGN084M0 |
| <i>Eriophorum callitrix</i> | beautiful cotton grass | S2 | G5 | PMCYP0A050 |
| <i>Eupatorium maculatum</i> | spotted Joe-pye weed | S1S2 | G5 | PDAST3P140 |
| <i>Festuca altaica</i> | northern rough fescue | S2 | G5 | PMPOA2V020 |
| <i>Festuca lenensis</i> | | SU | G4G5 | PMPOA2V1L0 |
| <i>Festuca minutiflora</i> | tiny-flowered fescue | S2 | G5 | PMPOA2V1M0 |
| <i>Festuca occidentalis</i> | western fescue | S1 | G5 | PMPOA2V0M0 |
| <i>Festuca subulata</i> | fescue | S1 | G5 | PMPOA2V0T0 |
| <i>Festuca viviparoides ssp krajiniae</i> | viviparous fescue | S1 | G4G5TNR | PMPOA2V1X1 |
| <i>Fraxinus pennsylvanica</i> | green ash | S1 | G5 | PDOLE040D0 |
| <i>Galium bifolium</i> | two-leaved Bedstraw | S1 | G5 | PDRUB0N090 |
| <i>Gayophytum racemosum</i> | low willowherb | S1 | G5 | PDONA09070 |
| <i>Gentiana calycosa</i> | mountain gentian | S3 | G4 | PDGEN06090 |
| <i>Gentiana fremontii</i> | marsh gentian | S2 | G4 | PDGEN060Y0 |
| <i>Gentianopsis detonsa ssp raupii</i> | northern fringed gentian | S1 | G3G5T3T5 | PDGEN08032 |
| <i>Geranium carolinianum</i> | Carolina wild geranium | S1 | G5 | PDGER02070 |
| <i>Geranium erianthum</i> | geranium | SH | G5 | PDGER020D0 |
| <i>Glyceria elata</i> | tufted tall manna grass | S2 | G4G5 | PMPOA2Y060 |
| <i>Gnaphalium microcephalum</i> | common cudweed | SH | G5 | PDAST440E0 |
| <i>Gnaphalium viscosum</i> | clammy cudweed | SH | G5 | PDAST440T0 |
| <i>Gratiola neglecta</i> | clammy hedge-hyssop | S2S3 | G5 | PDSCR0R070 |

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|--|------------------------------|--------|--------|------------|
| <i>Gymnocarpium disjunctum</i> | | S1 | G4 | PPDRY0D020 |
| <i>Gymnocarpium jessoense</i> | northern oak fern | S1 | G5 | PPDRY0D050 |
| <i>Halimolobos virgata</i> | slender mouse-ear-cress | S1S2 | G4 | PDBRA1A040 |
| <i>Hedyotis longifolia</i> | long-leaved bluets | S2 | G4G5 | PDRUB1T0E0 |
| <i>Heliotropium curassavicum</i> | spatulate-leaved heliotrope | S1 | G5 | PDBOR0J080 |
| <i>Heuchera glabra</i> | alpine alumroot | S1 | G5 | PDSAX0E0E0 |
| <i>Hippuris montana</i> | mountain mare's-tail | S1 | G4 | PDHPR01010 |
| <i>Hordeum pusillum</i> | little barley | SH | G5 | PMPOA380B0 |
| <i>Huperzia haleakalae</i> | | S2 | G4G5 | PPLYC02050 |
| <i>Huperzia selago</i> | mountain club-moss | S1 | G5 | PPLYC02070 |
| <i>Hydrophyllum capitatum</i> | woollen-breeches | S2S3 | G4? | PDHYD08030 |
| <i>Hymenopappus filifolius</i> | tufted hymenopappus | S2 | G5 | PDAST51030 |
| <i>Hypericum majus</i> | large Canada St. John's-wort | S2 | G5 | PDCLU03120 |
| <i>Hypericum scouleri ssp scouleri</i> | western St. John's-wort | S1S2 | G5T3T5 | PDCLU030Q2 |
| <i>Iliamna rivularis</i> | mountain hollyhock | S2 | G5 | PDMALOK070 |
| <i>Iris missouriensis</i> | western blue flag | S1 | G5 | PMIRI090L0 |
| <i>Isoetes bolanderi var bolanderi</i> | Bolander's quillwort | S1 | G4T4 | PPISO01011 |
| <i>Isoetes echinospora</i> | northern quillwort | S1 | G5? | PPISO01040 |
| <i>Isoetes maritima</i> | | S1 | G4 | PPISO01100 |
| <i>Isoetes occidentalis</i> | | S1 | G4G5 | PPISO01110 |
| <i>Isoetes x truncata</i> | | S1 | GNA | PPISO01170 |
| <i>Juncus biglumis</i> | two-glumed rush | S2 | G5 | PMJUN010B0 |
| <i>Juncus brevicaudatus</i> | short-tail rush | S2 | G5 | PMJUN010G0 |
| <i>Juncus nevadensis</i> | Nevada rush | S1 | G5 | PMJUN011Z0 |
| <i>Juncus parryi</i> | Parry's rush | S2 | G4G5 | PMJUN01250 |
| <i>Juncus regelii</i> | Regel's rush | S1 | G4? | PMJUN012D0 |
| <i>Juncus stygius var americanus</i> | marsh rush | S2 | G5T5 | PMJUN012N1 |
| <i>Koenigia islandica</i> | koenigia | S1 | G4 | PDPGN0D010 |
| <i>Lactuca biennis</i> | tall blue lettuce | S2 | G5 | PDAST5F010 |
| <i>Larix occidentalis</i> | western larch | S2 | G5 | PGPIN02040 |
| <i>Lesquerella arctica var purshii</i> | northern bladderpod | S2 | G4TNR | PDBRA1N033 |
| <i>Lewisia pygmaea var pygmaea</i> | dwarf bitter-root | S2 | G5T5 | PDPOR040C3 |
| <i>Lewisia rediviva</i> | bitter-root | S1 | G5 | PDPOR040D0 |
| <i>Leymus mollis</i> | American dune grass | S1 | G5 | PMPOA6P030 |
| <i>Lilaea scilloides</i> | flowering-quillwort | S1 | G5? | PMJCG01010 |
| <i>Linanthus septentrionalis</i> | linanthus | S2 | G5 | PDPLM09120 |
| <i>Listera caurina</i> | western twayblade | S1 | G4? | PMORC1N040 |
| <i>Listera convallarioides</i> | broad-lipped twayblade | S2 | G5 | PMORC1N050 |
| <i>Lithophragma glabrum</i> | rockstar | S2 | G4G5 | PDSAX0M050 |
| <i>Lithophragma parviflorum</i> | small-flowered rockstar | S2 | G5 | PDSAX0M080 |
| <i>Lobelia dortmanna</i> | water lobelia | S1 | G4G5 | PDCAM0E0C0 |
| <i>Lobelia spicata</i> | spiked lobelia | S1 | G5 | PDCAM0E190 |
| <i>Loiseleuria procumbens</i> | alpine azalea | S1S2 | G5 | PDERI0Q010 |
| <i>Lomatium cous</i> | biscuit-root | S1S2 | G5 | PDAPI1B0C0 |
| <i>Lomatogonium rotatum</i> | marsh felwort | S2S3 | G5 | PDGEN0C010 |
| <i>Lupinus arcticus ssp subalpinus</i> | arctic lupine | SU | G5T5 | PDFAB2B0G3 |
| <i>Lupinus minimus</i> | least lupine | S1 | G3G4 | PDFAB2B2N0 |
| <i>Lupinus polyphyllus</i> | large-leaved lupine | S1 | G5 | PDFAB2B370 |
| <i>Lupinus wyethii</i> | Wyeth's lupine | S1 | G5 | PDFAB2B470 |
| <i>Luzula acuminata</i> | wood-rush | S1 | G5 | PMJUN02010 |
| <i>Luzula groenlandica</i> | wood-rush | S1 | G4 | PMJUN020B0 |
| <i>Luzula rufescens</i> | reddish wood-rush | S1 | G5 | PMJUN020H0 |
| <i>Lycopodiella inundata</i> | bog club-moss | S1 | G5 | PPLYC03060 |
| <i>Lysimachia hybrida</i> | lance-leaved loosestrife | S2 | G5 | PDPRI070A0 |
| <i>Malaxis monophylla</i> | white adder's-mouth | S2 | G5 | PMORC1R060 |

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|---|-----------------------------|--------|--------|------------|
| <i>Malaxis paludosa</i> | bog adder's-mouth | S1 | G4 | PMORC1R070 |
| <i>Marsilea vestita</i> | hairy pepperwort | S2 | G5 | PPMAR01080 |
| <i>Melica smithii</i> | melic grass | S1S2 | G4 | PMPOA3X0F0 |
| <i>Melica spectabilis</i> | onion grass | S2 | G5 | PMPOA3X0G0 |
| <i>Mertensia lanceolata</i> | lance-leaved lungwort | S2 | G5 | PDBOR0N0C0 |
| <i>Mertensia longiflora</i> | large-flowered lungwort | S2 | G4G5 | PDBOR0N0D0 |
| <i>Microseris nutans</i> | nodding scorzonella | S2 | G5 | PDAST6E0C0 |
| <i>Mimulus breweri</i> | Brewer's monkeyflower | S1 | G5 | PDSCR1B0N0 |
| <i>Mimulus floribundus</i> | small yellow monkeyflower | S1 | G5 | PDSCR1B170 |
| <i>Mimulus glabratus</i> | smooth monkeyflower | S1 | G5 | PDSCR1B1A0 |
| <i>Mimulus guttatus</i> | yellow monkeyflower | SU | G5 | PDSCR1B1E0 |
| <i>Mimulus ringens</i> | square-stem monkeyflower | S1 | G5 | PDSCR1B2F0 |
| <i>Mimulus tilingii</i> | | S1 | G5 | PDSCR1B2M0 |
| <i>Minuartia elegans</i> | purple alpine sandwort | S1 | G4G5 | PDCAR0G0A0 |
| <i>Monotropa hypopithys</i> | pinemap | S2 | G5 | PDMON03020 |
| <i>Montia linearis</i> | linear-leaved montia | S1 | G5 | PDPOR05080 |
| <i>Montia parvifolia</i> | small-leaved montia | S1 | G4G5 | PDPOR050A0 |
| <i>Muhlenbergia racemosa</i> | marsh muhly | S1 | G5 | PMPOA481D0 |
| <i>Munroa squarrosa</i> | false buffalo grass | S1 | G5 | PMPOA49010 |
| <i>Najas flexilis</i> | slender naiad | S1S2 | G5 | PMNAJ01020 |
| <i>Nemophila breviflora</i> | small baby-blue-eyes | S1S2 | G5 | PDHYD0B020 |
| <i>Nothocalais cuspidata</i> | prairie false dandelion | S2 | G5 | PDAST6P020 |
| <i>Nuttallanthus canadensis sensu lato</i> | field toad-flax | S1 | G5 | PDSCR2P040 |
| <i>Nymphaea leibergii</i> | pygmy water-lily | S1 | G5 | PDNYM050J0 |
| <i>Nymphaea tetragona</i> | white water-lily | S1 | G5 | PDNYM050B0 |
| <i>Oenothera flava</i> | low yellow evening-primrose | S2 | G5 | PDONA0C0E0 |
| <i>Oenothera psammophila</i> | | SU | G3 | PDONA0C140 |
| <i>Onosmodium molle</i> | western false gromwell | S2 | G4G5 | PDBOR0S030 |
| <i>Oryzopsis canadensis</i> | Canadian rice grass | S1 | G5 | PMPOA4J030 |
| <i>Oryzopsis exigua</i> | little rice grass | S1 | G5 | PMPOA80030 |
| <i>Oryzopsis micrantha</i> | little-seed rice grass | S2 | G5 | PMPOA4J070 |
| <i>Osmorhiza longistylis</i> | smooth sweet cicely | S2 | G5 | PDAP11K060 |
| <i>Osmorhiza purpurea</i> | purple sweet cicely | S2 | G4G5 | PDAP11K080 |
| <i>Oxytropis campestris var davisii</i> | | S2? | G5T3 | PDFAB2X04A |
| <i>Oxytropis lagopus var conjugans</i> | hare-footed locoweed | S1 | G4G5T3 | PDFAB2X0A2 |
| <i>Packera contermina</i> | Arctic butterweed | S3 | G3 | PDASTE60F0 |
| <i>Packera subnuda</i> | ragwort | S2 | G5 | PDAST8H0Z0 |
| <i>Panicum acuminatum</i> | hot-springs millet | SU | G5 | PMPOA24020 |
| <i>Panicum leibergii</i> | Leiberg's millet | S1 | G5 | PMPOA240K0 |
| <i>Panicum wilcoxianum</i> | | S1 | G5 | PMPOA241Q0 |
| <i>Papaver pygmaeum</i> | alpine poppy | S2 | G3 | PDPAP0H0G0 |
| <i>Papaver radicum ssp kluanense</i> | alpine poppy | S2 | G5T3T4 | PDPAP0H0J2 |
| <i>Pedicularis flammea</i> | flame-colored lousewort | S2 | G3G5 | PDSCR1K0E0 |
| <i>Pedicularis langsдорffii ssp arctica</i> | Arctic lousewort | S2 | G5T5 | PDSCR1K0N1 |
| <i>Pedicularis oederi</i> | | S1 | G5 | PDSCR1K0R0 |
| <i>Pedicularis racemosa</i> | leafy lousewort | S1 | G5 | PDSCR1K0Y0 |
| <i>Pedicularis sudetica</i> | purple rattle | S1 | G5 | PDSCR1K110 |
| <i>Pellaea gastonyi</i> | Gaston's cliff brake | S1 | G2G4 | PPADI0H0G0 |
| <i>Pellaea glabella</i> | smooth cliff brake | S2 | G5 | PPADI0H060 |
| <i>Pellaea glabella ssp occidentalis</i> | | S1 | G5T4 | PPADI0H061 |
| <i>Pellaea glabella ssp simplex</i> | | S2 | G5T4? | PPADI0H066 |
| <i>Penstemon fruticosus var scouleri</i> | shrubby beardtongue | S2 | G4T4 | PDSCR1L2G2 |
| <i>Phacelia linearis</i> | linear-leaved scorpionweed | S2 | G5 | PDHYD0C2Q0 |
| <i>Phacelia lyallii</i> | Lyall's scorpionweed | S2 | G3 | PDHYD0C2T0 |
| <i>Phegopteris connectilis</i> | northern beech fern | S2 | G5 | PPTHE02010 |

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|---|----------------------------|--------|--------|------------|
| <i>Philadelphus lewisii</i> | mock orange | S1 | G5 | PDHDR090H0 |
| <i>Phlox gracilis ssp gracilis</i> | slender phlox | S1 | G5T5 | PDPLMOD251 |
| <i>Physocarpus malvaceus</i> | mallow-leaved ninebark | S1 | G4G5 | PDROS19030 |
| <i>Physostegia ledinghamii</i> | false dragonhead | S2 | G3? | PDLAM1G0E0 |
| <i>Picradeniopsis oppositifolia</i> | picradeniopsis | S1 | G5? | PDAST76010 |
| <i>Pinguicula villosa</i> | small butterwort | S1 | G4 | PDLNT01080 |
| <i>Pinus albicaulis</i> | whitebark pine | S2 | G4 | PGPIN04010 |
| <i>Pinus flexilis</i> | limber pine | S2 | G5 | PGPIN040F0 |
| <i>Pinus monticola</i> | western white pine | SU | G5 | PGPIN040M0 |
| <i>Plantago maritima</i> | sea-side plantain | S1 | G5 | PDPLN020U0 |
| <i>Platanthera stricta</i> | slender bog orchid | S2 | G5 | PMORC1Y0P0 |
| <i>Poa gracillima</i> | Pacific bluegrass | S2 | G4 | PMPOA4Z120 |
| <i>Poa laxa ssp banffiana</i> | | S1 | G5?T1 | PMPOA4Z1D1 |
| <i>Poa lettermanii</i> | Letterman's bluegrass | S1 | G4 | PMPOA4Z1H0 |
| <i>Poa nevadensis</i> | Nevada bluegrass | SU | G5 | PMPOA4Z1U0 |
| <i>Poa stenantha</i> | bluegrass | SU | G5 | PMPOA4Z2C0 |
| <i>Polanisia dodecandra</i> | clammyweed | S2 | G5 | PDCPP08010 |
| <i>Polygala paucifolia</i> | fringed milkwort | S1 | G5 | PDPGL02180 |
| <i>Polygonum minimum</i> | least knotweed | S2 | G5 | PDPGN0L1E0 |
| <i>Polypodium hesperium</i> | western polypody | S1S2 | G5 | PPPOL020G0 |
| <i>Potamogeton foliosus</i> | leafy pondweed | S2 | G5 | PMPOT030B0 |
| <i>Potamogeton nodosus</i> | longleaf pondweed | S1 | G5 | PMPOT030P0 |
| <i>Potamogeton obtusifolius</i> | blunt-leaved pondweed | S2 | G5 | PMPOT030R0 |
| <i>Potamogeton robbinsii</i> | Robbins' pondweed | S1 | G5 | PMPOT030Z0 |
| <i>Potamogeton strictifolius</i> | linear-leaved pondweed | S2 | G5 | PMPOT03110 |
| <i>Potentilla drummondii</i> | Drummond's cinquefoil | S2 | G5 | PDROS1B0J0 |
| <i>Potentilla finitima</i> | sandhills cinquefoil | S1 | G2G4Q | PDROS1B2T0 |
| <i>Potentilla hookeriana</i> | Hooker's cinquefoil | S2 | G4 | PDROS1B0W0 |
| <i>Potentilla macounii</i> | Macoun's cinquefoil | S1 | G1? | PDROS1B2L0 |
| <i>Potentilla multifida</i> | branched cinquefoil | S1 | G5 | PDROS1B110 |
| <i>Potentilla multisecta</i> | smooth-leaved cinquefoil | S2 | GNR | PDROS12W0 |
| <i>Potentilla plattensis</i> | low cinquefoil | S1S2 | G4 | PDROS1B1E0 |
| <i>Potentilla subjuga</i> | | S1 | G4 | PDROS1B1X0 |
| <i>Potentilla villosa</i> | hairy cinquefoil | S2 | G4 | PDROS1B250 |
| <i>Prenanthes alata</i> | white lettuce | S1 | G5 | PDAST7K010 |
| <i>Prenanthes sagittata</i> | purple rattlesnakeroot | S2 | G3G4 | PDAST7K0C0 |
| <i>Primula egaliksensis</i> | primrose | S2 | G4 | PDPRI08060 |
| <i>Primula stricta</i> | erect primrose | S1 | G4 | PDPRI080J0 |
| <i>Psilocarphus brevissimus var brevissimus</i> | dwarf woollyheads | S2 | G4T4? | PDAST7R011 |
| <i>Puccinellia cusickii</i> | Cusick's salt-meadow grass | SU | G3G4Q | PMPOA53160 |
| <i>Puccinellia distans ssp hauptiana</i> | | S1 | G5T3T4 | PMPOA530A3 |
| <i>Pyrola picta</i> | white-veined wintergreen | S1 | G4G5 | PDPYR04070 |
| <i>Quercus macrocarpa</i> | burr oak | S1? | G5 | PDFAG05190 |
| <i>Ranunculus glaberrimus</i> | early buttercup | S2 | G5 | PDRAN0L0Z0 |
| <i>Ranunculus nivalis</i> | snow buttercup | S1 | G5 | PDRAN0L1U0 |
| <i>Rhododendron lapponicum</i> | Lapland rose-bay | S2 | G5 | PDERI150G0 |
| <i>Rhynchospora capillacea</i> | slender beak-rush | S1 | G4 | PMCYP0N070 |
| <i>Ribes laxiflorum</i> | mountain currant | S2 | G5 | PDGRO020V0 |
| <i>Romanzoffia sitchensis</i> | Sitka romanzoffia | S2 | G4 | PDHYD0E020 |
| <i>Rorippa curvipes</i> | yellow cress | SU | G5 | PDBRA27080 |
| <i>Rorippa curvipes var truncata</i> | blunt-leaved yellow cress | S1S2 | G5 | PDBRA270R0 |
| <i>Rorippa sinuata</i> | spreading yellow cress | S1 | G5 | PDBRA270K0 |
| <i>Rorippa tenerrima</i> | slender cress | S1S2 | G5 | PDBRA270P0 |
| <i>Rubus x paracaulis</i> | hybrid dwarf raspberry | S1 | GNA | PDROS1K900 |
| <i>Rumex paucifolius</i> | alpine sheep sorrel | S1 | G5 | PDPGN0P130 |

| Scientific Name | Common Name | S Rank | G Rank | Code |
|--|----------------------------------|--------|----------|------------|
| <i>Ruppia cirrhosa</i> | widgeon-grass | S1S2 | G5 | PMRUP01020 |
| <i>Sagina decumbens</i> | spreading pearlwort | S1 | G5 | PDCAR0P030 |
| <i>Sagina nivalis</i> | pearlwort | SU | G5 | PDCAR0P070 |
| <i>Sagina nodosa</i> | pearlwort | S1 | G5 | PDCAR0P080 |
| <i>Sagittaria latifolia</i> | broad-leaved arrowhead | S1 | G5 | PMALI040H0 |
| <i>Salix alaxensis var alaxensis</i> | Alaska willow | S2 | G5T4T5 | PDSAL02011 |
| <i>Salix commutata</i> | changeable willow | S2 | G5 | PDSAL020T0 |
| <i>Salix lanata ssp calcicola</i> | woolly willow | S1 | G4T4 | PDSAL021L1 |
| <i>Salix raupii</i> | Raup's willow | S1 | G2 | PDSAL022H0 |
| <i>Salix sitchensis</i> | Sitka willow | S1 | G5 | PDSAL022T0 |
| <i>Salix stolonifera</i> | willow | S1 | G4G5 | PDSAL022V0 |
| <i>Salix tyrrellii</i> | Tyrrell's willow | S1 | G5T2 | PDSAL022B6 |
| <i>Sarracenia purpurea</i> | pitcher-plant | S2 | G5 | PDSAR02070 |
| <i>Saussurea americana</i> | American saw-wort | S1 | G5 | PDAST8B020 |
| <i>Saxifraga flagellaris ssp setigera</i> | spiderplant | S2 | G5T3T5 | PDSAX0U0L3 |
| <i>Saxifraga nivalis</i> | alpine saxifrage | S2 | G4G5 | PDSAX0U140 |
| <i>Saxifraga odontoloma</i> | saxifrage | S1 | G5 | PDSAX0U180 |
| <i>Saxifraga oregana var montanensis</i> | Oregon saxifrage | SU | G4G5TNRQ | PDSAX0U1A1 |
| <i>Schoenoplectus heterochaetus</i> | Slender Bulrush | S1 | G5 | PMCYP0Q0T0 |
| <i>Scirpus pallidus</i> | pale bulrush | S1 | G5 | PMCYP0Q140 |
| <i>Sedum divergens</i> | spreading stonecrop | S2 | G5? | PDCRA0A0B0 |
| <i>Selaginella wallacei</i> | Wallace's little club-moss | S1 | G5 | PPSEL011C0 |
| <i>Shinnersoseris rostrata</i> | annual skeletonweed | S2 | G5? | PDAST8J010 |
| <i>Silene antirrhina</i> | sleepy catchfly | S1 | G5 | PDCAR0U040 |
| <i>Silene involucrata</i> | alpine bladder catchfly | S1S2 | G5 | PDCAR0U0T0 |
| <i>Sisyrinchium septentrionale</i> | pale blue-eyed grass | S2S3 | G3G4 | PMIRI0D180 |
| <i>Sparganium fluctuans</i> | bur-reed | S1 | G5 | PMSPA01060 |
| <i>Sparganium glomeratum</i> | bur-reed | S1 | G4? | PMSPA01070 |
| <i>Sparganium hyperboreum</i> | northern bur-reed | S1 | G5 | PMSPA01080 |
| <i>Spartina pectinata</i> | prairie cord grass | S1 | G5 | PMPOA5S090 |
| <i>Spergularia salina</i> | salt-marsh sand spurry | S2 | G5 | PDCAR0W0D0 |
| <i>Sphenopholis obtusata</i> | prairie wedge grass | S2 | G5 | PMPOA5T030 |
| <i>Spiraea splendens</i> | pink meadowsweet | S1 | G5 | PDROS1Q0N0 |
| <i>Spiranthes lacera</i> | northern slender ladies'-tresses | S1 | G5 | PMORC2B0D0 |
| <i>Stellaria americana</i> | American chickweed | S1 | G3G4 | PDCAR0X030 |
| <i>Stellaria arenicola</i> | sand-dune chickweed | S1 | G5T3 | PDCAR0X0N4 |
| <i>Stellaria crispa</i> | wavy-leaved chickweed | S2 | G5 | PDCAR0X0B0 |
| <i>Stellaria obtusa</i> | chickweed | S1 | G5 | PDCAR0X0U0 |
| <i>Stellaria umbellata</i> | chickweed | S1 | G5 | PDCAR0X120 |
| <i>Streptopus roseus</i> | rose mandarin | S1 | G5 | PMLIL1X020 |
| <i>Streptopus streptopoides</i> | twisted-stalk | S1 | G5 | PMLIL1X030 |
| <i>Suaeda moquinii</i> | Moquin's sea-blite | S2 | G5 | PDCHE0P0F0 |
| <i>Suckleya suckleyana</i> | poison suckleya | S1S2 | G5 | PDCHE0Q010 |
| <i>Suksdorfia ranunculifolia</i> | suksdorfia | S2 | G5 | PDSAX0W010 |
| <i>Suksdorfia violacea</i> | blue suksdorfia | S1 | G4 | PDSAX0W020 |
| <i>Tanacetum bipinnatum ssp huronense</i> | Indian tansy | S2 | G5T4T5 | PDAST92012 |
| <i>Taxus brevifolia</i> | western yew | S1 | G4G5 | PGTXA01010 |
| <i>Tellima grandiflora</i> | fringe-cups | S1 | G5 | PDSAX0Z010 |
| <i>Thelesperma subnudum var marginatum</i> | greenthread | S1 | G5T5 | PDAST980A1 |
| <i>Thuja plicata</i> | western red cedar | S1S2 | G5 | PGCUP06030 |
| <i>Torreyochloa pallida var fernaldii</i> | | SNR | G5T4Q | PMPOA61031 |
| <i>Torreyochloa pallida var pauciflora</i> | few-flowered salt-meadow grass | S1 | G5T5 | PMPOA61033 |
| <i>Townsendia condensata</i> | alpine townsendia | S2 | G4 | PDAST9C040 |
| <i>Townsendia exscapa</i> | low townsendia | S2 | G5 | PDAST9C060 |
| <i>Tradescantia occidentalis</i> | western spiderwort | S1 | G5 | PMCOM0B0F0 |

| Scientific Name | Common Name | S Rank | G Rank | Code |
|---|------------------------|--------|--------|------------|
| <i>Triantha occidentalis ssp brevistyla</i> | western false-asphodel | S1 | G5T4 | PMLIL1Y032 |
| <i>Triantha occidentalis ssp montana</i> | western false-asphodel | S1 | G5T4T5 | PMLIL1Y034 |
| <i>Trichophorum clintonii</i> | Clinton's bulrush | S1 | G4 | PMCYP0Q0A0 |
| <i>Trillium ovatum</i> | western wakerobin | S1 | G5 | PMLIL200M0 |
| <i>Tripterocalyx micranthus</i> | sand verbena | S1S2 | G5 | PDNYC0G030 |
| <i>Trisetum cernuum</i> | nodding trisetum | S2 | G5 | PMPOA69030 |
| <i>Trisetum cernuum var canescens</i> | tall trisetum | S2 | G5TNR | PMPOA69031 |
| <i>Trisetum montanum</i> | mountain trisetum | S1 | G4G5 | PMPOA69090 |
| <i>Trisetum wolfii</i> | awnless trisetum | S1 | G4 | PMPOA690E0 |
| <i>Tsuga heterophylla</i> | western hemlock | S1 | G5 | PGPIN06030 |
| <i>Utricularia cornuta</i> | horned bladderwort | S1 | G5 | PDLNT02030 |
| <i>Vaccinium ovalifolium</i> | oval-leaved blueberry | S2 | G5 | PDERI180P0 |
| <i>Veronica catenata</i> | water speedwell | S2S3 | G5 | PDSCR20090 |
| <i>Viola pallens</i> | Macloskey's violet | S2 | G5T5 | PDVIO04142 |
| <i>Viola pedatifida</i> | crowfoot violet | S2 | G5 | PDVIO041J0 |
| <i>Viola praemorsa ssp linguifolia</i> | | S2 | G5T5 | PDVIO041L3 |
| <i>Wolffia columbiana</i> | watermeal | S2 | G5 | PMLEM03030 |
| <i>Woodsia glabella</i> | smooth woodsia | S1 | G5 | PPDRY0U040 |
| <i>Yucca glauca</i> | soapweed | S1 | G5 | PMAGA0B0F0 |

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Watch List: Vascular Plants

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| Scientific Name | Common Name | S Rank | G Rank | Code |
|--|-----------------------------------|--------|----------|------------|
| <i>Angelica dawsonii</i> | yellow angelica | S3 | G4 | PDAP107080 |
| <i>Aster engelmannii</i> | elegant aster | S3S4 | G4G5 | PDASTEC040 |
| <i>Atriplex suckleyi</i> | endolepis | S3 | G4? | PDCHE041W0 |
| <i>Berberis repens</i> | creeping mahonia | S3 | G5 | PDBER060E0 |
| <i>Botrychium multifidum var intermedium</i> | leather grape fern | S2 | G5T4? | PPOPH010B3 |
| <i>Bromus inermis</i> | awnless brome | S5 | G5 | PMPOA150L0 |
| <i>Bromus vulgaris</i> | woodland brome | S2S3 | G5 | PMPOA151L0 |
| <i>Bupleurum americanum</i> | thorough-wax | S3 | G5 | PDAP10F010 |
| <i>Calochortus apiculatus</i> | mariposa lily | S3 | G4 | PMLIL0D050 |
| <i>Carex capitata</i> | capitate sedge | S2 | G5 | PMCYP032H0 |
| <i>Carex geyeri</i> | Geyer's sedge | S3 | G5 | PMCYP03540 |
| <i>Carex hookerana</i> | Hooker's sedge | S2 | G4? | PMCYP03660 |
| <i>Carex lasiocarpa</i> | hairy-fruited sedge | S4 | G5 | PMCYP03720 |
| <i>Carex parryana var parryana</i> | Parry's sedge | S1S2 | G4T4 | PMCYP03A35 |
| <i>Castilleja cusickii</i> | yellow paintbrush | S3 | G4G5 | PDSCR0D0Q0 |
| <i>Ceanothus velutinus</i> | snowbrush | S3 | G5 | PDRHA041H0 |
| <i>Claytonia megarhiza</i> | alpine spring beauty | S3 | G4G5 | PDPOR030A0 |
| <i>Coptis trifolia</i> | goldthread | S3 | G5 | PDRAN0A040 |
| <i>Crataegus douglasii</i> | Douglas hawthorn | S3 | G5 | PDROS0H860 |
| <i>Disporum hookeri var oregonum</i> | Oregon fairybells | S3 | G5T4T5 | PMLIL0R012 |
| <i>Dryopteris fragrans</i> | fragrant shield fern | S3 | G5 | PPDRY0A0C0 |
| <i>Elodea nuttallii</i> | Nuttall's waterweed | SNR | G5 | PMHYD03080 |
| <i>Erigeron lanatus</i> | woolly fleabane | S3 | G3G4 | PDAST3M250 |
| <i>Gentiana glauca</i> | alpine gentian | S3 | G4G5 | PDGEN060E0 |
| <i>Hierochloa alpina</i> | alpine sweet grass | S2 | G5 | PMPOA35010 |
| <i>Lomatium sandbergii</i> | Sandberg's wild parsley | S3 | G4 | PDAP11B1R0 |
| <i>Lupinus nootkatensis</i> | Nootka lupine | S3 | G5 | PDFAB2B2S0 |
| <i>Luzula hitchcockii</i> | smooth wood-rush | S3S4 | G5T4 | PMJUN020A2 |
| <i>Lycopus americanus</i> | American water-horehound | S3 | G5 | PDLAM0X010 |
| <i>Minuartia nuttallii ssp nuttallii</i> | Nuttall's sandwort | S3 | G5T4T5 | PDCAR0G0M4 |
| <i>Muhlenbergia asperifolia</i> | scratch grass | S2 | G5 | PMPOA48070 |
| <i>Najas guadalupensis</i> | southern naiad | SNR | | PMNAJ01050 |
| <i>Osmorhiza occidentalis</i> | western sweet cicely | S3 | G4G5 | PDAP11K070 |
| <i>Parietaria pensylvanica</i> | American pellitory | S2 | G5 | PDURT06060 |
| <i>Parnassia parviflora</i> | small northern grass-of-parnassus | S2 | G4 | PDSAX0P0A0 |
| <i>Paxistima myrsinites</i> | mountain-lover | S3 | G4G5 | PDCEL0A020 |
| <i>Pedicularis capitata</i> | large-flowered lousewort | S2 | G5 | PDSCR1K060 |
| <i>Pedicularis lanata</i> | woolly lousewort | S2 | G4G5 | PDSCR1K0L0 |
| <i>Penstemon albertinus</i> | blue beardtongue | S3 | G4G5 | PDSCR1L050 |
| <i>Penstemon eriantherus</i> | crested beardtongue | S3 | G4 | PDSCR1L270 |
| <i>Penstemon lyallii</i> | large-flowered beardtongue | S3 | G4 | PDSCR1L3U0 |
| <i>Phacelia hastata</i> | silver-leaved scorpionweed | S3 | G5 | PDHYD0C1Z0 |
| <i>Plantago canescens</i> | western ribgrass | S2 | G4G5 | PDPLN02080 |
| <i>Polygonum polygaloides ssp confertiflorum</i> | Watson's knotweed | S2 | G4G5T3T4 | PDPGN0L1Y1 |
| <i>Polypodium sibiricum</i> | | S2S3 | G5? | PPPOL02170 |
| <i>Potentilla paradoxa</i> | bushy cinquefoil | S2 | G5 | PDROS1B1A0 |
| <i>Pyrola bracteata</i> | large wintergreen | S3 | G5T3T5 | PDPYR04022 |
| <i>Pyrola grandiflora</i> | Arctic wintergreen | S2 | G5 | PDPYR04050 |
| <i>Pyrocoma uniflora</i> | one-flowered ironplant | S3 | G5 | PDASTDT0K0 |
| <i>Ranunculus occidentalis var brevistylis</i> | western buttercup | S2 | G5T5 | PDRAN0L1V6 |
| <i>Ranunculus uncinatus</i> | hairy buttercup | S2 | G5 | PDRAN0L2P0 |
| <i>Ribes viscosissimum</i> | sticky currant | S3 | G5 | PDGRO021R0 |
| <i>Saxifraga ferruginea</i> | saxifrage | S2 | G5 | PDSAX0U0K0 |
| <i>Saxifraga mertensiana</i> | Merten's saxifrage | S3 | G5 | PDSAX0U0Y0 |

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| Scientific Name | Common Name | S Rank | G Rank | Code |
|--|--------------------------|--------|--------|------------|
| <i>Schizachyrium scoparium var scoparium</i> | little bluestem | S3 | G5T5 | PMPOA5D096 |
| <i>Sedum stenopetalum</i> | narrow-petaled stonecrop | S3 | G4G5 | PDCRA0A1H0 |
| <i>Senecio megacephalus</i> | large-flowered ragwort | S3 | G4? | PDAST8H200 |
| <i>Solidago mollis</i> | velvety goldenrod | S3 | G5 | PDAST8P110 |
| <i>Stephanomeria runcinata</i> | rush-pink | S2 | G5 | PDAST8U0C0 |
| <i>Trichophorum pumilum</i> | dwarf bulrush | S2 | G5 | PMCYP0Q250 |
| <i>Wolffia borealis</i> | northern ducksmeal | S3 | G5 | PMLEM03060 |
| <i>Woodsia ilvensis</i> | rusty woodsia | S3 | G5 | PPDRY0U050 |
| <i>Xerophyllum tenax</i> | bear-grass | S3S4 | G4G5 | PMLIL26020 |

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Tracking List: Mosses, Liverworts and Hornworts

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| Scientific Name | Common Name | S Rank | G Rank | Code |
|--|-------------------------------|--------|--------|------------|
| <i>Aloina brevirostris</i> | short-beaked rigid screw moss | S2 | G3G5 | NBMUS03020 |
| <i>Aloina rigida</i> | aloe-like rigid screw moss | S2 | G3G5 | NBMUS03040 |
| <i>Amblyodon dealbatus</i> | | S2 | G3G5 | NBMUS05010 |
| <i>Amphidium mougeotii</i> | | S1 | G5 | NBMUS07030 |
| <i>Anastrophyllum assimile</i> | liverwort | S1S2 | G3? | NBHEP04010 |
| <i>Anastrophyllum helleranum</i> | liverwort | S2 | G5 | NBHEP04030 |
| <i>Anastrophyllum michauxii</i> | liverwort | S1 | G4 | NBHEP04040 |
| <i>Anastrophyllum saxicola</i> | liverwort | S1? | G3G4 | NBHEP04060 |
| <i>Andreaea alpestris</i> | | S1 | G5? | NBMUS0A090 |
| <i>Andreaea blyttii</i> | | S1 | G5 | NBMUS0A010 |
| <i>Andreaea nivalis</i> | red rock moss | S2 | G5 | NBMUS0A040 |
| <i>Anoetangium aestivum</i> | | S1 | G3G5 | NBMUS0B010 |
| <i>Anomobryum filiforme</i> | | S1 | G4 | NBMUS80010 |
| <i>Anomodon minor</i> | | S1 | G5 | NBMUS0C020 |
| <i>Aongstroemia longipes</i> | | S2 | G3G5 | NBMUS0E010 |
| <i>Arctoa fulvella</i> | | S1 | G3G5 | NBMUS0H010 |
| <i>Arnellia fennica</i> | liverwort | S2 | G5 | NBHEP0A010 |
| <i>Asterella lindenberghiana</i> | liverwort | S1 | G3G5 | NBHEP0C050 |
| <i>Asterella saccata</i> | liverwort | S1 | G4G5 | NBHEP0C070 |
| <i>Athalamia hyalina</i> | liverwort | S2 | G5 | NBHEP0D010 |
| <i>Atrichum selwynii</i> | | S2 | G4 | NBMUS0M060 |
| <i>Atrichum undulatum</i> | undulated crane's bill moss | S1S2 | G5 | NBMUS0M080 |
| <i>Aulacomnium acuminatum</i> | | S1 | G3? | NBMUS0N010 |
| <i>Aulacomnium androgynum</i> | | S2 | G5 | NBMUS0N020 |
| <i>Barbilophozia attenuata</i> | liverwort | S1 | G5 | NBHEP0E020 |
| <i>Barbilophozia binsteadii</i> | liverwort | S1 | G4 | NBHEP0E040 |
| <i>Barbilophozia kunzeana</i> | liverwort | S2 | G5 | NBHEP0E090 |
| <i>Barbilophozia quadriloba</i> | liverwort | S2 | G5 | NBHEP0E0B0 |
| <i>Barbula coreensis</i> | | S1 | G3G5 | NBMUS0Q100 |
| <i>Bartramia halleriana</i> | Haller's apple moss | S1 | G4G5 | NBMUS0R020 |
| <i>Bartramia pomiformis</i> | | S2 | G5 | NBMUS0R050 |
| <i>Blasia pusilla</i> | liverwort | S1 | G5 | NBHEP0G010 |
| <i>Blindia acuta</i> | sharp-pointed weissia | S2 | G5 | NBMUS0V010 |
| <i>Brachythecium acuminatum</i> | | SNR | G5 | NBMUS0Z010 |
| <i>Brachythecium acutum</i> | | SU | GNRQ | NBMUS0Z020 |
| <i>Brachythecium calcareum</i> | | S1 | G3G4 | NBMUS0Z060 |
| <i>Brachythecium frigidum</i> | | SU | G4 | NBMUS0Z0D0 |
| <i>Brachythecium hylotapetum</i> | | S3 | GU | NBMUS0Z0G0 |
| <i>Brachythecium plumosum</i> | | S2 | G5 | NBMUS0Z0L0 |
| <i>Brachythecium reflexum</i> | | S2 | G4G5 | NBMUS0Z0N0 |
| <i>Brachythecium rutabulum</i> | | S2? | G5 | NBMUS0Z0R0 |
| <i>Bryobrittonia longipes</i> | | S2 | G3 | NBMUS8F010 |
| <i>Bryoerythrophyllum ferruginascens</i> | red leaf moss | S1 | G3G4 | NBMUS18040 |
| <i>Bryohaplocladium virginianum</i> | | S1 | G5 | NBMUS9A020 |
| <i>Bryum algovicum</i> | | S2 | G4G5 | NBMUS1A030 |
| <i>Bryum amblyodon</i> | | S1 | G5? | NBMUS1A1S0 |
| <i>Bryum arcticum</i> | | S1 | G5? | NBMUS1A060 |
| <i>Bryum calobryoides</i> | | S1 | G3 | NBMUS1A1W0 |
| <i>Bryum calophyllum</i> | | S1 | G5? | NBMUS1A0E0 |
| <i>Bryum cyclophyllum</i> | | S2 | G4G5 | NBMUS1A1G0 |
| <i>Bryum dichotomum</i> | | S1 | GNR | NBMUS1A1N0 |
| <i>Bryum flaccidum</i> | | SU | G5 | NBMUS1A1Q0 |
| <i>Bryum knowltonii</i> | | S1 | G3G4 | NBMUS1A0P0 |
| <i>Bryum lonchocaulon</i> | | SU | G5? | NBMUS1A0Q0 |

| Scientific Name | Common Name | S Rank | G Rank | Code |
|------------------------------------|--------------------------------|--------|--------|------------|
| <i>Bryum marratii</i> | | S1 | G3G4 | NBMUS1A0S0 |
| <i>Bryum muehlenbeckii</i> | | S1S2 | G4G5 | NBMUS1A0V0 |
| <i>Bryum pallens</i> | | S2 | G4G5 | NBMUS1A0X0 |
| <i>Bryum porsildii</i> | | S1 | G2 | NBMUS4Q010 |
| <i>Bryum purpurascens</i> | | S1 | G3G4 | NBMUS1A100 |
| <i>Bryum schleicheri</i> | | S1 | G5? | NBMUS1A150 |
| <i>Bryum stirtonii</i> | | S1S2 | G5? | NBMUS1A310 |
| <i>Bryum turbinatum</i> | | S2 | G5 | NBMUS1A1A0 |
| <i>Bryum uliginosum</i> | | S2 | G3G5 | NBMUS1A1B0 |
| <i>Buxbaumia aphylla</i> | bug on a stick | S2 | G4G5 | NBMUS1B010 |
| <i>Buxbaumia piperi</i> | | S1 | G4 | NBMUS1B030 |
| <i>Buxbaumia viridis</i> | green shield moss | S1 | G3G4 | NBMUS1B040 |
| <i>Callicladium haldanianum</i> | | S1 | G5 | NBMUS1C010 |
| <i>Calypogeia integristipula</i> | liverwort | S1 | G4G5 | NBHEP0M020 |
| <i>Calypogeia muelleriana</i> | liverwort | SNR | G5 | NBHEP0M030 |
| <i>Calypogeia suecica</i> | liverwort | S1 | G5 | NBHEP0M070 |
| <i>Campylium radicale</i> | | S2 | G3G5 | NBMUS1J070 |
| <i>Cephalozia bicuspidata</i> | liverwort | S1 | G5 | NBHEP0P020 |
| <i>Cephalozia catenulata</i> | liverwort | SNR | G5 | NBHEP0P030 |
| <i>Cephalozia loitlesbergeri</i> | | SNR | G5 | NBHEP0P070 |
| <i>Cephaloziella arctica</i> | liverwort | S1 | G5 | NBHEP0Q010 |
| <i>Cephaloziella divaricata</i> | liverwort | SNR | G5 | NBHEP0Q050 |
| <i>Cephaloziella elachista</i> | liverwort | SNR | G4 | NBHEP0Q060 |
| <i>Cephaloziella hampeana</i> | liverwort | S1 | G5 | NBHEP0Q090 |
| <i>Cephaloziella rubella</i> | liverwort | SNR | G5 | NBHEP0Q0H0 |
| <i>Cephaloziella subdentata</i> | liverwort | SNR | G4G5 | NBHEP0Q0K0 |
| <i>Chandonanthus setiformis</i> | liverwort | S1 | G5 | NBHEP0S030 |
| <i>Chiloscyphus pallescens</i> | liverwort | S1 | G5 | NBHEP0U020 |
| <i>Chiloscyphus polyanthos</i> | liverwort | S1 | G5 | NBHEP0U030 |
| <i>Cirriphyllum cirrosum</i> | | S2 | G5? | NBMUS1Q020 |
| <i>Claopodium bolanderi</i> | | S1S2 | G4 | NBMUS1R010 |
| <i>Conardia compacta</i> | | S2 | G3G5 | NBMUS1U010 |
| <i>Conocephalum conicum</i> | liverwort | S2 | G5 | NBHEP0Y010 |
| <i>Coscinodon cribrosus</i> | sieve-toothed moss | S1 | G3G4 | NBMUS96020 |
| <i>Cryptocolea imbricata</i> | liverwort | S1 | G3 | NBHEP10010 |
| <i>Cynodontium alpestre</i> | | S1 | G3G5 | NBMUS22010 |
| <i>Cynodontium glaucescens</i> | glaucous shield moss | S1 | G3G4 | NBMUS22060 |
| <i>Cynodontium schisti</i> | | S1S2 | G3G5 | NBMUS22030 |
| <i>Cyrtomnium hymenophylloides</i> | | S1S2 | G5? | NBMUS9R010 |
| <i>Desmatodon cernuus</i> | narrow-leaved chain-teeth moss | S1 | G3G5 | NBMUS25010 |
| <i>Desmatodon heimii</i> | long-stalked beardless moss | S2 | G5 | NBMUS25060 |
| <i>Desmatodon laureri</i> | | S1 | G5? | NBMUS25080 |
| <i>Desmatodon leucostoma</i> | | S2 | G2G4 | NBMUS25090 |
| <i>Desmatodon randii</i> | | S1 | G3? | NBMUS250D0 |
| <i>Desmatodon systylius</i> | | S2 | G4G5 | NBMUS250E0 |
| <i>Dichelyma falcatum</i> | | S2 | G4G5 | NBMUS26020 |
| <i>Dichodontium olympicum</i> | | S1 | G3G5 | NBMUS27010 |
| <i>Dicranella cerviculata</i> | red-necked fork moss | S1 | G5? | NBMUS28010 |
| <i>Dicranella crispera</i> | curl-leaved fork moss | S2 | G3G5 | NBMUS28020 |
| <i>Dicranella heteromalla</i> | silky fork moss | S1 | G5? | NBMUS28040 |
| <i>Dicranella palustris</i> | drooping-leaved fork moss | S1 | G5? | NBMUS28080 |
| <i>Dicranella subulata</i> | awl-leaved fork moss | S2 | G5? | NBMUS280D0 |
| <i>Dicranum angustum</i> | cushion moss | S1S2 | G5? | NBMUS2B020 |
| <i>Dicranum brevifolium</i> | cushion moss | SU | GU | NBMUS2B0U0 |
| <i>Dicranum majus</i> | greater fork moss | SH | G4G5 | NBMUS2B0C0 |

| Scientific Name | Common Name | S Rank | G Rank | Code |
|------------------------------------|------------------------------------|--------|--------|------------|
| <i>Dicranum ontariense</i> | cushion moss | S1 | G4G5 | NBMUS2B0R0 |
| <i>Dicranum pallidisetum</i> | alpine curly heron's bill moss | S1S2 | GU | NBMUS2B0F0 |
| <i>Dicranum spadicium</i> | cushion moss | S2 | G5? | NBMUS2B0L0 |
| <i>Dicranum tauricum</i> | broken-leaf moss | S1S2 | G4 | NBMUS2B0N0 |
| <i>Didymodon asperifolius</i> | | S1 | G3G5 | NBMUS2C010 |
| <i>Didymodon fallax</i> | fallacious screw moss | S2 | G5 | NBMUS2C0B0 |
| <i>Didymodon johansenii</i> | | S2 | G5? | NBMUS2C030 |
| <i>Didymodon nigrescens</i> | | S1 | G3G5 | NBMUS2C0F0 |
| <i>Didymodon rigidulus</i> | rigid screw moss | S2 | G5 | NBMUS2C060 |
| <i>Didymodon subandreaeoides</i> | | S2 | GU | NBMUS2C090 |
| <i>Didymodon tophaceus</i> | blunt-leaved hair moss | S1S2 | G5 | NBMUS2C070 |
| <i>Didymodon vinealis</i> | | S1 | G5 | NBMUS2C0A0 |
| <i>Diplophyllum albicans</i> | liverwort | S1 | G5 | NBHEP15010 |
| <i>Diplophyllum taxifolium</i> | liverwort | S1 | G5 | NBHEP15090 |
| <i>Discelium nudum</i> | naked weissia | S1 | G3G4 | NBMUS2E010 |
| <i>Ditrichum montanum</i> | | S1 | GU | NBMUS2G050 |
| <i>Drepanocladus brevifolius</i> | brown moss | SU | GNRQ | NBMUS2J0E0 |
| <i>Drepanocladus capillifolius</i> | brown moss | SU | GU | NBMUS2J0H0 |
| <i>Drepanocladus crassicosatus</i> | brown moss | S2 | G3G5 | NBMUS2J020 |
| <i>Drepanocladus sendtneri</i> | brown moss | S1 | G5? | NBMUS2J0A0 |
| <i>Dryptodon patens</i> | spreading fringe moss | S2 | G4G5 | NBMUS2L010 |
| <i>Encalypta brevicolla</i> | candle-snuffer moss | S2 | G4 | NBMUS2M030 |
| <i>Encalypta brevipes</i> | candle-snuffer moss | S1 | G3 | NBMUS2M040 |
| <i>Encalypta intermedia</i> | candle-snuffer moss | S1 | G4 | NBMUS2M100 |
| <i>Encalypta longicolla</i> | candle-snuffer moss | S1 | G3 | NBMUS2M060 |
| <i>Encalypta spatulata</i> | candle-snuffer moss | S1 | G3 | NBMUS2M120 |
| <i>Encalypta vulgaris</i> | common extinguisher moss | S1S2 | G5 | NBMUS2M090 |
| <i>Entodon concinnus</i> | | S2 | G4G5 | NBMUS2N040 |
| <i>Entodon schleicheri</i> | | S1 | G3G5 | NBMUS2N100 |
| <i>Fissidens adianthoides</i> | maidenhair moss | S2 | G5 | NBMUS2W010 |
| <i>Fissidens grandifrons</i> | narrow-leaved Chinese phoenix moss | S2 | G4 | NBMUS2W0F0 |
| <i>Fissidens limbatus</i> | | S1 | G3G5 | NBMUS2W0M0 |
| <i>Fontinalis antipyretica</i> | | S1 | G5 | NBMUS2X020 |
| <i>Fontinalis dalecarlica</i> | | S1 | G3G5 | NBMUS2X040 |
| <i>Fontinalis missourica</i> | | S1 | G4G5 | NBMUS2X0B0 |
| <i>Fontinalis neomexicana</i> | | S1S2 | G3G5 | NBMUS2X0C0 |
| <i>Frullania inflata</i> | liverwort | S1 | G5 | NBHEP1A0D0 |
| <i>Funaria americana</i> | cord moss | S1 | G3? | NBMUS2Z010 |
| <i>Funaria muhlenbergii</i> | Muhlenberg's cord moss | S1 | G4 | NBMUS2Z070 |
| <i>Grimmia alpestris</i> | alpine grimmia | S2 | G3G5 | NBMUS32150 |
| <i>Grimmia anomala</i> | mountain forest grimmia | S2 | G5 | NBMUS321D0 |
| <i>Grimmia caespiticia</i> | | S1 | GNR | NBMUS32250 |
| <i>Grimmia donniana</i> | Donian grimmia | S2 | G4G5 | NBMUS320F0 |
| <i>Grimmia elatior</i> | large grimmia | S1S2 | G3G5 | NBMUS320G0 |
| <i>Grimmia incurva</i> | black grimmia | S1 | G4G5 | NBMUS320M0 |
| <i>Grimmia mollis</i> | | S2 | G3G5 | NBMUS320R0 |
| <i>Grimmia montana</i> | sun grimmia | S2 | G5? | NBMUS320S0 |
| <i>Grimmia ovalis</i> | | S1 | G5? | NBMUS320Y0 |
| <i>Grimmia reflexidens</i> | | SNR | GNR | NBMUS32240 |
| <i>Grimmia teretinervis</i> | | S1 | G3G5 | NBMUS32160 |
| <i>Grimmia torquata</i> | twisted-leaved grimmia | S2 | G3G5 | NBMUS32170 |
| <i>Grimmia trichophylla</i> | hair-pointed grimmia | S1 | G5? | NBMUS32180 |
| <i>Gymnocolea inflata</i> | liverwort | S1 | G5 | NBHEP1D020 |
| <i>Gymnomitrium concinatum</i> | liverwort | S1 | G5 | NBHEP1E020 |
| <i>Gymnomitrium corallioides</i> | liverwort | S1 | G4G5 | NBHEP1E030 |

| Scientific Name | Common Name | S Rank | G Rank | Code |
|---------------------------------------|-------------------------|--------|--------|------------|
| <i>Harpanthus flotovianus</i> | liverwort | S1 | G5 | NBHEP1J020 |
| <i>Herzogiella seligeri</i> | | S1 | G3G4 | NBMUS3E010 |
| <i>Heterocladium dimorphum</i> | | S1 | G4G5 | NBMUS3F010 |
| <i>Homalothecium nevadense</i> | | S2 | G4 | NBMUS3L050 |
| <i>Homalothecium pinnatifidum</i> | | S2 | G4 | NBMUS3L070 |
| <i>Hygroamblystegium noterophilum</i> | | SU | G4 | NBMUS3R020 |
| <i>Hygroamblystegium tenax</i> | | S2 | G5 | NBMUS3R030 |
| <i>Hygrohypnum alpestre</i> | | S1 | G3G5 | NBMUS3S010 |
| <i>Hygrohypnum cochlearifolium</i> | | S1 | G4 | NBMUS3S040 |
| <i>Hygrohypnum duriusculum</i> | | S1 | G3G5 | NBMUS3S0H0 |
| <i>Hygrohypnum molle</i> | | S1S2 | G4G5 | NBMUS3S080 |
| <i>Hygrohypnum ochraceum</i> | | S2 | G5 | NBMUS3S0A0 |
| <i>Hygrohypnum smithii</i> | | S1 | G3G5 | NBMUS3S0C0 |
| <i>Hygrohypnum styriacum</i> | | S2 | GU | NBMUS3S0K0 |
| <i>Hylocomiastrum pyrenaicum</i> | | S1 | G4G5 | NBMUS9G010 |
| <i>Hypnum callichroum</i> | | S1 | G5? | NBMUS3V030 |
| <i>Hypnum pallescens</i> | | S2 | G5 | NBMUS3V0D0 |
| <i>Hypnum procerrimum</i> | | S2 | G3G4 | NBMUS3V0G0 |
| <i>Hypnum recurvatum</i> | | S2 | G3G5 | NBMUS3V0N0 |
| <i>Jaffueliobryum raii</i> | | S1 | G4? | NBMUS97010 |
| <i>Jaffueliobryum wrightii</i> | | S2 | G4G5 | NBMUS97020 |
| <i>Jungermannia atrovirens</i> | liverwort | S2 | G4G5 | NBHEP1P010 |
| <i>Jungermannia exsertifolia</i> | liverwort | S1 | G5? | NBHEP1P060 |
| <i>Jungermannia leiantha</i> | liverwort | SNR | G5 | NBHEP1P0B0 |
| <i>Jungermannia obovata</i> | liverwort | S1 | G4G5 | NBHEP1P0C0 |
| <i>Jungermannia polaris</i> | liverwort | S1 | G4 | NBHEP1P0D0 |
| <i>Jungermannia pumila</i> | liverwort | S1 | G5 | NBHEP1P0E0 |
| <i>Jungermannia rubra</i> | liverwort | SNR | G2G4 | NBHEP1P0G0 |
| <i>Jungermannia sphaerocarpa</i> | liverwort | S1 | G5 | NBHEP1P0H0 |
| <i>Kiaeria blyttii</i> | Blytt's fork moss | S2 | G5 | NBMUS41010 |
| <i>Kiaeria falcata</i> | sickle-leaved fork moss | S1 | G5 | NBMUS41020 |
| <i>Kiaeria starkei</i> | alpine broom moss | S2 | G5 | NBMUS41040 |
| <i>Leptodictyum humile</i> | | S1 | G5 | NBMUS44080 |
| <i>Lescuraea saxicola</i> | | S1 | G4G5 | NBMUS47010 |
| <i>Leskea gracilescens</i> | | S1 | G5 | NBMUS48020 |
| <i>Leskea obscura</i> | | S1 | G5 | NBMUS48030 |
| <i>Leskea polycarpa</i> | | S1 | G4G5 | NBMUS48040 |
| <i>Leskeella nervosa</i> | | S2 | G5 | NBMUS49010 |
| <i>Limprichtia cossonii</i> | | SU | GU | NBMUS93020 |
| <i>Loeskypnum badium</i> | | S1 | G4G5 | NBMUS86020 |
| <i>Lophocolea bidentata</i> | liverwort | SNR | G5 | NBHEP1W010 |
| <i>Lophozia alpestris</i> | liverwort | S1 | G5 | NBHEP1Y020 |
| <i>Lophozia ascendens</i> | liverwort | S1 | G4 | NBHEP1Y030 |
| <i>Lophozia badensis</i> | liverwort | S1 | G5? | NBHEP1Y040 |
| <i>Lophozia bantriensis</i> | liverwort | S1 | G4? | NBHEP1Y050 |
| <i>Lophozia capitata</i> | liverwort | S1 | G4 | NBHEP1Y070 |
| <i>Lophozia collaris</i> | liverwort | S1 | G5 | NBHEP1Y080 |
| <i>Lophozia excisa</i> | liverwort | S1 | G5 | NBHEP1Y0A0 |
| <i>Lophozia gillmanii</i> | liverwort | S1 | G5 | NBHEP1Y0B0 |
| <i>Lophozia grandiretis</i> | liverwort | S2 | G3? | NBHEP1Y0C0 |
| <i>Lophozia guttulata</i> | liverwort | S2 | G4G5 | NBHEP1Y0E0 |
| <i>Lophozia heterocolpos</i> | liverwort | S2 | G5 | NBHEP1Y0F0 |
| <i>Lophozia incisa</i> | liverwort | S2 | G5 | NBHEP1Y0J0 |
| <i>Lophozia laxa</i> | liverwort | S1 | G4 | NBHEP1Y0L0 |
| <i>Lophozia longidens</i> | liverwort | S1 | G5 | NBHEP1Y0M0 |

| Scientific Name | Common Name | S Rank | G Rank | Code |
|--------------------------------|----------------------|--------|--------|------------|
| <i>Lophozia obtusa</i> | liverwort | S1 | G4G5 | NBHEP1Y0N0 |
| <i>Lophozia opacifolia</i> | liverwort | S1 | G4 | NBHEP1Y0P0 |
| <i>Lophozia pellucida</i> | liverwort | S1 | G3? | NBHEP1Y0Q0 |
| <i>Lophozia rutheana</i> | liverwort | S1 | G4? | NBHEP1Y0U0 |
| <i>Lophozia wenzelii</i> | liverwort | S1 | G4G5 | NBHEP1Y0Y0 |
| <i>Mannia fragrans</i> | liverwort | S1 | G5 | NBHEP20020 |
| <i>Mannia pilosa</i> | liverwort | S1 | G4? | NBHEP20030 |
| <i>Mannia triandra</i> | liverwort | S1 | G3G4 | NBHEP20050 |
| <i>Marchantia alpestris</i> | liverwort | S1 | G3G5 | NBHEP21010 |
| <i>Marsupella alpina</i> | liverwort | S1 | G3G5 | NBHEP22010 |
| <i>Marsupella brevissima</i> | liverwort | S1 | G4? | NBHEP22050 |
| <i>Marsupella commutata</i> | liverwort | S1 | G2G4 | NBHEP22060 |
| <i>Marsupella emarginata</i> | liverwort | SNR | G5 | NBHEP22080 |
| <i>Marsupella revoluta</i> | liverwort | S1S2 | G3G5 | NBHEP220B0 |
| <i>Marsupella sparsifolia</i> | liverwort | S1 | G3G4 | NBHEP220C0 |
| <i>Marsupella sphacelata</i> | liverwort | S1 | G5 | NBHEP220D0 |
| <i>Marsupella ustulata</i> | liverwort | S1 | G5 | NBHEP220E0 |
| <i>Meesia longiseta</i> | | S1 | G4? | NBMUS4L010 |
| <i>Mnium ambiguum</i> | | S2 | G5 | NBMUS4S0Y0 |
| <i>Moerckia blyttii</i> | liverwort | S1 | G4 | NBHEP28010 |
| <i>Moerckia hibernica</i> | liverwort | S1S2 | G4? | NBHEP28020 |
| <i>Myurella sibirica</i> | | S1 | G4? | NBMUS4U020 |
| <i>Myurella tenerrima</i> | | S2 | G3G4 | NBMUS4U030 |
| <i>Nardia breidlerii</i> | liverwort | S1 | G4G5 | NBHEP2A010 |
| <i>Nardia geoscyphus</i> | liverwort | S1 | G5 | NBHEP2A030 |
| <i>Neckera pennata</i> | | S2S3 | G5 | NBMUS4W030 |
| <i>Odontoschisma denudatum</i> | liverwort | S1 | G5 | NBHEP2D010 |
| <i>Odontoschisma elongatum</i> | liverwort | S1 | G3G4 | NBHEP2D020 |
| <i>Oligotrichum aligerum</i> | | S1S2 | G5 | NBMUS51010 |
| <i>Oligotrichum hercynicum</i> | Hercynian hair moss | S2 | G5 | NBMUS51030 |
| <i>Oligotrichum parallelum</i> | | S1S2 | G5 | NBMUS51040 |
| <i>Oreas martiana</i> | | S1 | G5? | NBMUS53010 |
| <i>Orthothecium intricatum</i> | | S1 | G4G5 | NBMUS55040 |
| <i>Orthothecium strictum</i> | | S1S2 | G5? | NBMUS55060 |
| <i>Orthotrichum affine</i> | | SU | G3G5 | NBMUS56010 |
| <i>Orthotrichum cupulatum</i> | | SNR | G4G5 | NBMUS56070 |
| <i>Orthotrichum hallii</i> | | SNR | G4 | NBMUS560D0 |
| <i>Orthotrichum pallens</i> | | S2 | G5 | NBMUS560M0 |
| <i>Orthotrichum pumilum</i> | | S1S2 | G5 | NBMUS560Q0 |
| <i>Orthotrichum pylaisii</i> | | S1S2 | G4G5 | NBMUS560T0 |
| <i>Orthotrichum rivulare</i> | | S1 | G4 | NBMUS560U0 |
| <i>Oxystegus tenuirostris</i> | acid-soil moss | S1 | G4 | NBMUS8D020 |
| <i>Pellia endiviifolia</i> | liverwort | S2 | G5 | NBHEP2H010 |
| <i>Pellia epiphylla</i> | liverwort | S1 | G5 | NBHEP2H020 |
| <i>Pellia neesiana</i> | liverwort | S2 | G5 | NBHEP2H030 |
| <i>Phascum cuspidatum</i> | cuspidate earth moss | S2 | G5 | NBMUS5B010 |
| <i>Phascum vlassovii</i> | | SNA | G2? | NBMUS5B040 |
| <i>Philonotis marchica</i> | | S1 | G5 | NBMUS5C060 |
| <i>Philonotis yezoana</i> | | S1 | G2G3 | NBMUS5C0C0 |
| <i>Physcomitrium hookeri</i> | bladder-cap moss | S1 | G2G4 | NBMUS5E030 |
| <i>Physcomitrium pyriforme</i> | urn moss | S1 | G5 | NBMUS5E070 |
| <i>Plagiobryum demissum</i> | | S1 | G3G5 | NBMUS5G010 |
| <i>Plagiobryum zieri</i> | | S2 | G4G5 | NBMUS5G020 |
| <i>Plagiomnium ciliare</i> | | S2 | G5 | NBMUS81030 |
| <i>Plagiomnium rostratum</i> | | S1 | G5 | NBMUS81080 |

| Scientific Name | Common Name | S Rank | G Rank | Code |
|-----------------------------------|-----------------------------|--------|--------|------------|
| <i>Platydictya minutissima</i> | | SU | G3 | NBMUS5K030 |
| <i>Pleuroclada albescens</i> | liverwort | S2 | G4G5 | NBHEP2N010 |
| <i>Pogonatum dentatum</i> | hair-like pogonatum | S2 | G3G5 | NBMUS5R040 |
| <i>Pogonatum urnigerum</i> | urn-like pogonatum | S2S3 | G5 | NBMUS5R060 |
| <i>Pohlia andalusica</i> | | S1 | G3G5 | NBMUS5S0X0 |
| <i>Pohlia annotina</i> | | S1 | G4G5 | NBMUS5S010 |
| <i>Pohlia atropurpurea</i> | | S1 | G4G5 | NBMUS5S020 |
| <i>Pohlia brevinervis</i> | | S1 | G1G2 | NBMUS5S110 |
| <i>Pohlia bulbifera</i> | | S1 | G4G5 | NBMUS5S030 |
| <i>Pohlia camptotrachela</i> | | S1 | G3G5 | NBMUS5S0Z0 |
| <i>Pohlia crudoides</i> | | S1 | G2G4 | NBMUS5S080 |
| <i>Pohlia drummondii</i> | | S2 | G3G4 | NBMUS5S0A0 |
| <i>Pohlia elongata</i> | | S1 | G4G5 | NBMUS5S0B0 |
| <i>Pohlia filum</i> | | S1 | G4G5 | NBMUS5S0W0 |
| <i>Pohlia longicolla</i> | | S1 | G4G5 | NBMUS5S0G0 |
| <i>Pohlia obtusifolia</i> | | S1 | G2G4 | NBMUS5S0K0 |
| <i>Pohlia vexans</i> | | S1 | G3G5 | NBMUS5S0R0 |
| <i>Polytrichum longisetum</i> | slender hairy-cap | S1 | G5 | NBMUS5T040 |
| <i>Porella cordaeana</i> | liverwort | S1 | G4 | NBHEP2Q020 |
| <i>Porella platyphylla</i> | liverwort | S1 | G5 | NBHEP2Q050 |
| <i>Pottia intermedia</i> | | SU | G3G5 | NBMUS5V0A0 |
| <i>Pseudobryum cinclidioides</i> | | S2 | G5 | NBMUS9N010 |
| <i>Pseudoleskea atricha</i> | | SU | G5 | NBMUS5Z010 |
| <i>Pseudoleskea patens</i> | | S2 | G5 | NBMUS5Z050 |
| <i>Pseudoleskea stenophylla</i> | | S2 | G5? | NBMUS5Z070 |
| <i>Pseudoleskeella sibirica</i> | | S2 | G5? | NBMUS60060 |
| <i>Pterygoneurum ovatum</i> | hairy-leaved beardless moss | S1 | G5 | NBMUS65040 |
| <i>Pterygoneurum sessile</i> | | S2 | G4? | NBMUS65050 |
| <i>Racomitrium aciculare</i> | | S1 | G5 | NBMUS6B010 |
| <i>Racomitrium elongatum</i> | | S1 | GU | NBMUS6B110 |
| <i>Racomitrium fasciculare</i> | | S2 | G5 | NBMUS6B060 |
| <i>Racomitrium heterostichum</i> | | S2? | G5 | NBMUS6B070 |
| <i>Racomitrium macounii</i> | | S1 | GU | NBMUS6B0C0 |
| <i>Racomitrium microcarpon</i> | | S1? | GNRQ | NBMUS6B0D0 |
| <i>Racomitrium sudeticum</i> | | S1S2 | G5? | NBMUS6B150 |
| <i>Radula complanata</i> | liverwort | S1 | G4 | NBHEP2V040 |
| <i>Reboulia hemisphaerica</i> | liverwort | S1 | G5 | NBHEP2W010 |
| <i>Rhizomnium andrewsianum</i> | | S1 | G3G5 | NBMUS9Q030 |
| <i>Rhizomnium magnifolium</i> | | S2 | G4G5 | NBMUS9Q080 |
| <i>Rhizomnium nudum</i> | | S2 | G4 | NBMUS9Q040 |
| <i>Rhodobryum ontariense</i> | | S2 | G5 | NBMUS6F020 |
| <i>Rhytidadelphus squarrosus</i> | pipecleaner moss | S1 | G4G5 | NBMUS6J020 |
| <i>Riccardia chamedryfolia</i> | liverwort | SNR | G5 | NBHEP2Y010 |
| <i>Riccardia latifrons</i> | liverwort | S2 | G4G5 | NBHEP2Y030 |
| <i>Riccardia multifida</i> | liverwort | S2S3 | G5 | NBHEP2Y040 |
| <i>Riccardia palmata</i> | liverwort | S1 | G5 | NBHEP2Y050 |
| <i>Riccia beyrichiana</i> | liverwort | S1 | G5 | NBHEP2Z030 |
| <i>Riccia cavernosa</i> | liverwort | S1 | G5 | NBHEP2Z080 |
| <i>Riccia fluitans</i> | liverwort | S2 | G5 | NBHEP2Z0D0 |
| <i>Ricciocarpos natans</i> | liverwort | S2 | G5 | NBHEP30010 |
| <i>Sarmenthyphnum sarmentosum</i> | | S2 | G4G5 | NBMUS85010 |
| <i>Sauteria alpina</i> | liverwort | S1 | G4? | NBHEP32010 |
| <i>Scapania apiculata</i> | liverwort | S1 | G5? | NBHEP33030 |
| <i>Scapania brevicaulis</i> | liverwort | S1 | G2G3 | NBHEP33050 |
| <i>Scapania carinthiaca</i> | liverwort | SNR | G3? | NBHEP33070 |

| Scientific Name | Common Name | S Rank | G Rank | Code |
|----------------------------------|-------------------------------|--------|--------|------------|
| <i>Scapania curta</i> | liverwort | S2 | G5 | NBHEP330A0 |
| <i>Scapania cuspiduligera</i> | liverwort | S2 | G5 | NBHEP330B0 |
| <i>Scapania glaucocephala</i> | liverwort | S2 | G4G5 | NBHEP330D0 |
| <i>Scapania mucronata</i> | liverwort | S1 | G5 | NBHEP330N0 |
| <i>Scapania nemorosa</i> | liverwort | SNR | G5 | NBHEP330P0 |
| <i>Scapania paludicola</i> | liverwort | S2 | G5 | NBHEP330S0 |
| <i>Scapania paludosa</i> | liverwort | S2 | G5 | NBHEP330T0 |
| <i>Scapania subalpina</i> | liverwort | S1 | G4G5 | NBHEP33130 |
| <i>Scapania undulata</i> | liverwort | S1 | G5 | NBHEP33170 |
| <i>Schistidium agassizii</i> | elf bloom moss | S1 | G3G5 | NBMUS95010 |
| <i>Schistidium heterophyllum</i> | | SH | G3 | NBMUS95060 |
| <i>Schistidium pulvinatum</i> | | S1 | G5 | NBMUS95040 |
| <i>Schistidium tenerum</i> | thread bloom moss | S2 | G5? | NBMUS95090 |
| <i>Schistidium trichodon</i> | | S1 | G2G4 | NBMUS95110 |
| <i>Schistostega pennata</i> | luminous moss | S1S2 | G3G4 | NBMUS6P010 |
| <i>Scleropodium obtusifolium</i> | | SH | G4 | NBMUS6T040 |
| <i>Scouleria aquatica</i> | | S2 | G4 | NBMUS6W010 |
| <i>Seligeria calcarea</i> | chalk brittle moss | S1 | G4? | NBMUS6X010 |
| <i>Seligeria campylopoda</i> | | S2 | G3G5 | NBMUS6X020 |
| <i>Seligeria donniana</i> | Donian beardless moss | S2 | G4G5 | NBMUS6X030 |
| <i>Seligeria subimmersa</i> | | S1 | G5? | NBMUS6X070 |
| <i>Seligeria tristichoides</i> | | SU | G4 | NBMUS6X080 |
| <i>Sphagnum balticum</i> | peat moss | S1 | G2G4 | NBMUS6Z040 |
| <i>Sphagnum compactum</i> | neat bog moss | S2 | G5 | NBMUS6Z070 |
| <i>Sphagnum contortum</i> | twisted bog moss | S2 | G5 | NBMUS6Z1T0 |
| <i>Sphagnum fallax</i> | peat moss | S2 | G5 | NBMUS6Z230 |
| <i>Sphagnum fimbriatum</i> | fringed bog moss | S2 | G5 | NBMUS6Z0A0 |
| <i>Sphagnum lindbergii</i> | Lindberg's bog moss | S2 | G5? | NBMUS6Z0K0 |
| <i>Sphagnum platyphyllum</i> | | S1 | G5 | NBMUS6Z0X0 |
| <i>Splachnum ampullaceum</i> | flagon-fruited splachnum | S2 | G5 | NBMUS71010 |
| <i>Splachnum luteum</i> | yellow collar moss | S3 | G3 | NBMUS71020 |
| <i>Splachnum rubrum</i> | red collar moss | S3 | G3 | NBMUS71040 |
| <i>Splachnum sphaericum</i> | globe-fruited splachnum | S2 | G3G5 | NBMUS71050 |
| <i>Splachnum vasculosum</i> | large-fruited splachnum | S2 | G3G5 | NBMUS71060 |
| <i>Tayloria acuminata</i> | point-leaf small-kettle moss | SU | G3G4 | NBMUS79010 |
| <i>Tayloria froelichiana</i> | Froelichian splachnum | S1 | G3G5 | NBMUS79020 |
| <i>Tayloria hornschurchii</i> | small-kettle moss | S1 | G3G5 | NBMUS79030 |
| <i>Tayloria lingulata</i> | tongue-leaf small-kettle moss | S2 | G3G5 | NBMUS79040 |
| <i>Tayloria serrata</i> | slender splachnum | S2 | G4 | NBMUS79050 |
| <i>Tayloria splachnoides</i> | splachnoid cyrtodon | S1 | G2G3 | NBMUS79060 |
| <i>Tetraplodon urceolatus</i> | alpine lemming moss | S2 | G3G5 | NBMUS7C040 |
| <i>Thamnobryum neckeroides</i> | | S1 | G4 | NBMUS7D020 |
| <i>Thuidium philibertii</i> | | S1S2 | G5 | NBMUS7F0A0 |
| <i>Timmia norvegica</i> | | S2 | G4? | NBMUS7G030 |
| <i>Timmia sibirica</i> | | S1 | G5? | NBMUS7G040 |
| <i>Tortella inclinata</i> | bent screw moss | S2 | G4G5 | NBMUS7K050 |
| <i>Tortula bartramii</i> | | S1 | G2G4 | NBMUS7L040 |
| <i>Tortula caninervis</i> | | S1 | G5? | NBMUS7L0U0 |
| <i>Tortula subulata</i> | | S1 | G5? | NBMUS7L0T0 |
| <i>Trichodon cylindricus</i> | narrow-fruited fork moss | S1 | G4G5 | NBMUS7N020 |
| <i>Tritomaria exsecta</i> | liverwort | S1 | G5 | NBHEP3C010 |
| <i>Tritomaria polita</i> | liverwort | S2 | G4 | NBHEP3C040 |
| <i>Tritomaria scitula</i> | liverwort | S2S3 | G4 | NBHEP3C060 |
| <i>Ulota curvifolia</i> | | S2S3 | G3G5 | NBMUS7T030 |
| <i>Voitia nivalis</i> | hidden kettle moss | S1 | G4 | NBMUS7W020 |

2006-07-08

| Scientific Name | Common Name | S Rank | G Rank | Code |
|------------------------------------|-------------------------|---------------|---------------|-------------|
| <i>Warnstorfia pseudostraminea</i> | brown moss | S1 | G3 | NBMUS88080 |
| <i>Warnstorfia tundrae</i> | brown moss | S2 | GU | NBMUS88070 |
| <i>Weissia controversa</i> | green-cushioned weissia | S2 | G5 | NBMUS7X020 |
| <i>Zygodon viridissimus</i> | | S1 | G5 | NBMUS7Z050 |

Number of Records in this Report: 388

Watch List: Mosses, Liverworts and Hornworts

2006-07-08

| Scientific Name | Common Name | S Rank | G Rank | Code |
|--------------------------------|---------------------------------|--------|--------|------------|
| <i>Andreaea rupestris</i> | black rock moss | S3 | G5 | NBMUS0A060 |
| <i>Anthelia julacea</i> | liverwort | SNR | G3G4 | NBHEP07010 |
| <i>Calypogeia neesiana</i> | liverwort | S3 | G5 | NBHEP0M040 |
| <i>Calypogeia sphagnicola</i> | liverwort | SNR | G4 | NBHEP0M060 |
| <i>Calypogeia trichomanis</i> | liverwort | SNR | G5 | NBHEP0M090 |
| <i>Campylium polygamum</i> | | S3 | G5 | NBMUS1J060 |
| <i>Cephalozia macounii</i> | liverwort | SNR | G3 | NBHEP0P090 |
| <i>Coscinodon calyptratus</i> | sieve-toothed big calyptra moss | S3 | G3G5 | NBMUS96010 |
| <i>Cynodontium strumiferum</i> | | S3 | G3G5 | NBMUS22040 |
| <i>Cynodontium tenellum</i> | | S2S3 | G3G5Q | NBMUS22050 |
| <i>Gymnostomum aeruginosum</i> | tufted rock beardless moss | S3 | G5 | NBMUS35010 |
| <i>Herzogiella turfacea</i> | | S3 | G4G5 | NBMUS3E030 |
| <i>Hygrohypnum bestii</i> | | S3 | G4 | NBMUS3S020 |
| <i>Jungermannia hyalina</i> | liverwort | SNR | G5 | NBHEP1P090 |
| <i>Oncophorus virens</i> | green spur-fruited fork moss | S3 | G5 | NBMUS52020 |
| <i>Polytrichum lyallii</i> | hair cap moss | S3 | GU | NBMUS5T050 |
| <i>Rhytidiopsis robusta</i> | pipecleaner moss | S3 | G4 | NBMUS6K010 |
| <i>Roellia roellii</i> | | S3 | G4 | NBMUS6M010 |
| <i>Sphagnum subsecundum</i> | twisted bog moss | S3 | G5 | NBMUS6Z1A0 |
| <i>Stegonia pilifera</i> | | S3 | G5? | NBMUS72020 |

Number of Records in this Report: 20



ALBERTA NATURAL HERITAGE INFORMATION CENTRE

RARE NATIVE PLANT AND LICHEN SURVEY FORM

Please enter all information available to you and attach a detailed sketch or map showing the location of the population and/or area search. Submit the form even if the targeted species is not found.
Electronic submissions are preferred.

SPECIES: _____

OBSERVER NAME, ADDRESS, TELEPHONE NUMBER AND E-MAIL: _____

SURVEY DETAILS:

SURVEY DATE(S): _____

1st VISIT OR REPEAT VISIT TO SITE: _____ EO NUMBER IF REPEAT VISIT: _____

TYPE OF SURVEY (check one): targeted survey for this species general rare plant survey
 targeted survey for another species. If so, name other species _____

SURVEY EFFORT: time spent _____ and/or size of area searched (please attach map or provide
utm coordinates of area searched) _____

DOCUMENTATION:

PHOTOGRAPH TAKEN (please attach to form if possible): Y / N

SPECIMEN COLLECTED: Y / N COLLECTION NUMBER: _____

NAME OF HERBARIUM WHERE DEPOSITED (and accession number): _____

DETERMINATION (check where appropriate and fill in blanks): determined by _____

keyed (reference used) _____ compared with specimen at _____

compared with illustration/photo in _____ verified by _____

key characteristic(s) used for determination _____

LOCATION INFORMATION (please attach map):

SITE NAME: _____

TOPOGRAPHIC MAP NUMBER: _____ Was the location determined using a GPS? Y / N
DIRECTIONS TO POPULATION (include descriptions of landmarks and distances if possible):

ELEVATION: _____ m SOURCE OF CO-ORDINATES (GPS, TOPO MAP): _____

UTM EASTING: _____ UTM NORTHING: _____ Precision (+/-m) _____

GRID ZONE: _____ NORTH AMERICAN DATUM: 27 83

LEGAL: TWP: _____ RGE: _____ W: _____ M SECTION: _____ LSD: _____

LATITUDE: _____ LONGITUDE: _____

POPULATION INFORMATION: ___ count or ___ estimate (check one)

Number of individuals (for vascular plants) or number and size of clumps (for bryophytes and lichens):

_____ vegetative _____ in bud _____ in flower
_____ immature seed/spore producing structure _____ mature seed/spore producing structure
_____ dispersing seed/spores _____ seedlings _____ fruit/sporophyte from previous years
Extent of population: length _____ width _____ (map as polygon if possible)

Shape of area (attach sketch if possible and/or include polygon information from gps unit or shape file):

FULL EXTENT OF POPULATION KNOWN: ___ YES ___ NO ___ UNKNOWN

SITE/HABITAT DESCRIPTION (include information on habitat [alpine, aquatic, cliff, forest, grassland, peatland for vasculars, plant communities / dominant species / associated species. Attach extra sheet if necessary.)
Information on plant community can be provided using existing forms such as ANHIC ecological community form:

SUBSTRATE (for non-vasculars and lichens) (check appropriate category for all that apply and list type):

___ wood _____ bark _____ rock _____
___ soil _____ other (name) _____

ASPECT: _____ SLOPE: _____

MOISTURE:

___ inundated ___ saturated (wet-mesic) ___ moist (mesic) ___ dry-mesic ___ dry (xeric)

LIGHT LEVELS:

___ open ___ partial ___ filtered ___ shade

SOIL pH (if known): _____ SOIL TEXTURE (if known): _____ SOIL TYPE (if known): _____

WATER pH (if known) _____

CURRENT LAND USE: _____

OWNERSHIP (if known. Include name/address/phone number): _____

DOES THE LANDOWNER WANT THE EXACT LOCATION WITHHELD FROM THE PUBLIC: _____

THREATS TO HABITAT OR POPULATION (include information on whether population will be impacted by development): _____

CONSERVATION/MANAGEMENT NEEDS (include information on proposed mitigation): _____

IS THIS SURVEY PART OF AN ENVIRONMENTAL ASSESSMENT OR FIELD REPORT? YES/NO

IF YES, WHAT IS THE NAME OF REPORT OF WHERE INFORMATION WILL BE PUBLISHED/DEPOSITED (if known): _____

Additional comments and/map of area surveyed and location of populations:

Return to:

Alberta Natural Heritage Information Centre
2nd Floor, 9820 106 Street,
Edmonton, AB T5K 2J6 (780) 427-5209.

Electronic submissions preferred:
John.rintoul@gov.ab.ca or joyce.gould@gov.ab.ca

For ANHIC use only

Source code: _____

Element code: _____

EO ID Number: _____ ID: _____