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Idaho’s Rare Vascular Flora: Bibliography, 1896-1991
The compilers

Robert K. Moseley is plant ecologist for the Idaho Department of Fish and Game’s Conservation Data Center in Boise. Previously, he was Natural Areas Ecologist for The Nature Conservancy in Idaho. He holds a B.S. degree in Range Resources and an M.S. degree in Botany from the University of Idaho.

Michael Mancuso is Research Biologist with the Conservation Data Center in Boise. He has a B.S. degree in Microbiology from Colorado State University and an M.N.S. degree in Biological Sciences from the University of Idaho. He held several temporary positions with the Forest Service, U.S. Department of Agriculture, University of Idaho, and the University of Wyoming prior to his present position.

Anne Hedrich is Science Reference Librarian at Utah State University in Logan. She earned a B.S. degree in biological aspects of conservation, a certificate in environmental studies, and an M.A. degree in Library and Information Studies from the University of Wisconsin-Madison. Her past work experience includes a number of temporary positions with the Forest Service and several natural resource libraries.

Nancy L. Shaw is Botanist with the Intermountain Research Station at the Forestry Sciences Laboratory in Boise. She completed a B.S. degree in Zoology at the College of Idaho, an M.S. degree in Botany at Idaho State University, and a Ph.D. degree in Crop Science at Oregon State University.

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Research Summary

This bibliography of published and unpublished literature relating to Idaho’s rare vascular flora covers the period from 1896 to 1991. It provides biologists, managers, and planners an information base so that past efforts are not duplicated, gaps in our knowledge can be identified and filled, and we can efficiently proceed with the conservation of rare plants in Idaho. The references came from the Source Abstract database of the Idaho Conservation Data Center’s Biological and Conservation Data System, an accessible and dynamic information management system directed to the conservation of biological diversity. Keywords pertaining to the subject and species covered are included with each bibliographic entry. Entries are indexed by species.

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Cover Illustration: Calachontus nitidus, drawn by Lenora Oosterhuis.

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Idaho’s Rare Vascular Flora: Bibliography, 1896-1991

Compilers:
Robert K. Moseley
Michael Mancuso
Anne Hedrich
Nancy L. Shaw

INTRODUCTION

Biological diversity—especially in the conservation of rare species and natural ecosystems—is now a major international concern. Increasingly at local levels, researchers and land managers search for ways to contribute to the knowledge needed to solve biodiversity problems. In our effort toward conservation of rare plants in Idaho, we compiled this bibliography to provide biologists, managers, and planners an information base so that past efforts are not duplicated, gaps in our knowledge can be identified and filled, and conservation efforts can proceed efficiently.

When it began in 1984, the Idaho Department of Fish and Game’s Conservation Data Center (formerly the Idaho Natural Heritage Program) inherited a two-decade accumulation of information pertaining to Idaho’s rare plants. Much of this knowledge came from the personal experiences and extensive data compilation efforts of the Rare and Endangered Plants Technical Committee of the Idaho Natural Areas Council. The Technical Committee—consisting of Robert Steele (chair), Steven Brunsfeld, Douglass Henderson, Karl Holte, Frederic Johnson, and Patricia Packard—laid the foundation for rare plant conservation activities in the State and produced the first assessments of the status of Idaho’s rare flora (see entries 694 and 695). Over its 8 years’ existence, the Idaho Conservation Data Center has built upon this foundation and become the State’s central clearinghouse and repository for rare plant data.

The Idaho Conservation Data Center is part of a worldwide information network directed toward the conservation of biological diversity. The network maintains permanent and dynamic atlases and databases on the existence, characteristics, numbers, condition, status, location, and distribution of rare species and communities. Developed and supported by The Nature Conservancy, this standardized information management methodology includes computerized databases known as the Biological and Conservation Data System (BCD). This bibliography was generated from one of the BCD databases, known as the Source Abstract database. In addition to the computerized files, the Idaho Conservation Data Center maintains manual files, which include all of the references cited here.

The bibliography includes both published articles and unpublished reports pertaining to the conservation and management of Idaho’s rare vascular flora and issued from 1896 through 1991. Taxa appearing on the Idaho Native Plant Society’s 1991 list of rare vascular plants for Idaho (see entry 371) formed the basis for this project. However, no sources were located for many taxa. An alphabetical list of the taxa covered by this bibliography appears in the Index. The Index contains only rare species names and may not necessarily reflect other names that appear in publication titles. Spellings for scientific names are taken from the Idaho Native Plant Society’s 1991 list.

A majority of the published literature was located through computerized, global literature searches, conducted for each taxon. About 300 databases were searched to locate information. For some species, searches were conducted in all databases available through the Dialog® vending service. Because of time and monetary constraints, eight particularly useful databases (Agricola, Biosis Previews®, CAB Abstracts, CRIS/USA, Environmental Bibliography, Dissertation Abstracts Online, Geobase™, and Pascal) were consulted for most of the species. All searching was done using scientific names. In general, we excluded sources relating to pharmacology and biochemistry and foreign language publications without English abstracts.

Unpublished reports included in the bibliography pertain primarily to rare taxa as they occur in Idaho and adjacent areas. We did not make an attempt to locate unpublished sources from throughout the range of widely distributed taxa.

Although the Source Abstract record contains many information fields, we used only two to produce this bibliography: CITATION and KEYWORDS. Other fields, such as ABSTRACT, are not included here due to space limitations but are available on request from the Idaho Conservation Data Center (see address at the end of this section).
Each entry consists of two parts:

A. Bibliographic citation—numbered and listed alphabetically by the senior author’s surname.

B. Keywords—a two-part field:

1. Taxon or taxa included in the reference. Several references, such as checklists, rare plant field guides, and floras, contain information on many rare taxa and are indicated as “multispecies.”

2. Subject category(ies) of the reference, falling into one or more of eight general areas:
   a. Biology—pertains to a variety of studies relating to a species’ biology not covered in other categories, including reproductive strategy, pollination, seed dispersal, seed biology, seedling ecology, nature of mortality, anatomy and morphology, pathology, physiology, and mycorrhizal associations, among others.
   b. Community ecology—reference relating to the taxon.
   c. Distribution—relating to the geographical occurrence or range of a taxon or a biogeographical analysis of the taxon or related group.
   d. Genetics—relating to the genetics of a taxon.
   e. Management techniques—relating to the management or recovery of a taxon, or both.
   f. Monitoring—pertaining to the quantitative assessment of a taxon over time.
   g. Status survey—comprehensive review of the distribution, abundance, and conservation status of a taxon throughout all or a portion of its range.
   h. Taxonomy—taxon description or monograph of family, tribe, or genus.

The index assists in the use of the bibliography. It lists the numbers of the bibliographic entries for each taxon.

As with all our BCD databases, the Source Abstract database is constantly being updated as older sources are brought to our attention and new information becomes available. We welcome corrections and additions, which can be forwarded to us at:

Conservation Data Center
Idaho Department of Fish and Game
600 S. Walnut, P.O. Box 25
Boise, ID 83784

Phone: (208) 334-3402
FAX: (208) 334-2114

**BIBLIOGRAPHY**


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Cornus nuttallii
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Cypripedium calceolus parviflorum
Distribution


Trientalis arctica
Distribution


Antennaria arcuata, Astragalus oniciformis
Status survey


Cymopterus davisii
Taxonomy


Cymopterus douglasii
Distribution, taxonomy


Polypodium glycyrrhiza
Taxonomy


Botrychium minganense
Taxonomy


Bouteloua gracilis, Stipa viridula
Community ecology

324. Hebda, Richard J. 1979. Size, productivity, and paleoecological implications of ericaceous pollen from Burns Bog, southern Fraser

Andromeda polifolia, Ledum groenlandicum, Vaccinium oxyccocos
Distribution


Multispecies
Status survey


Silene spaldingii
Status survey


Multispecies
Community ecology


Eubrophyton austinia, Mimulus clivicola
Distribution


Multispecies
Distribution


Gentiana tenella, Phacelia lyallii
Distribution


Douglasia idahoensis
Taxonomy


Coryphantha vivipara, Epipactis gigantea, Hackelia davisii
Status survey


Multispecies
Distribution


Multispecies
Status survey


Multispecies
Distribution, status survey


Astragalus amnis-amissi, Erigeron humilis, Gentiana propinqua, Papaver kluanense
Distribution

Agoseris lackschewitzii
Taxonomy


Rubus spectabilis
Community ecology


Calochortus nitidus, Halimolobos perplexa perplexa, Haplopappus insecticirrus, Lepidium papilliferum, Phacelia inconspicua, Phacelia minutissima
Distribution, taxonomy


Aster jessicae
Taxonomy


Multispecies
Distribution, taxonomy


Astragalus gilviflorus
Community ecology


Cryptantha breviflora, Cryptantha caespitosa, Cryptantha propria
Distribution, taxonomy


Calochortus macrocarpus maculosus, Calochortus nitidus, Crepis bakeri idahoensis, Erigeron engelmannii davisi, Pediocactus simpsonii robustior, Penstemon elegantulus
Distribution


Nymphaea tetragona
Biology


Multispecies
Distribution


Draba apiculata, Draba argyrea, Draba fladnizensis, Draba incerta
Distribution, taxonomy


Collomia debilis camporum, Draba argyrea, Lewisia kelloggii, Salix farriae
Distribution


Tofieldia glutinosa absona, Tofieldia glutinosa brevistyla
Taxonomy


Multispecies
Distribution, taxonomy
Multispecies
Distribution, taxonomy


Multispecies
Distribution, taxonomy


Multispecies
Distribution, taxonomy


Multispecies
Distribution, taxonomy


Multispecies
Distribution, taxonomy


Multispecies
Distribution, taxonomy


Silene scaposa lobata, Silene spaldingii
Distribution, taxonomy


Sphaeromeria potentilloides
Taxonomy


Castilleja christii
Distribution, taxonomy


Penstemon janishiae
Distribution, taxonomy


Allium aaseae
Biology


Astragalus paysonii, Pediocactus simpsonii robustior
Distribution


Scirpus subterminalis
Biology


Dimereis howellii
Distribution

_Carex flava_
Distribution


_Carex breweri padoensis_
Taxonomy


_Blepharidachne kingii_
Taxonomy


_Multispecies_
Status survey


_Carex chordorrhiza_
Biology


_Andromeda polifolia, Equisetum scirpoides, Ledum groenlandicum, Vaccinium oxycoccos_
Community ecology


_Cicuta bulbifera_
Distribution


_Multispecies_
Management techniques


_Multispecies_
Management techniques


_Scirus cypeninus_
Community ecology


_Trifolium longipes multipedunculatum_
Taxonomy


_Multispecies_
Taxonomy


_Multispecies_
Taxonomy


_Astragalus jejunos, Astragalus kentrophyta jessiae, Astragalus leptaleus, Astragalus microcystis, Astragalus mulfordiae_
Distribution, taxonomy

Astragalus newberryi castoreus, Astragalus oniciformis, Astragalus paysonii, Astragalus purshii ophiogenes, Astragalus riparius, Astragalus salmonis, Astragalus tetraperus, Astragalus vallaris, Astragalus vexilliflexus nubilus, Astragalus yoder-williamsii Distribution, taxonomy


Andromeda polifolia, Lycopodium inundatum, Nymphaea tetragona, Rhynchospora alba, Scheuchzeria palustris, Trientalis arctica, Vaccinium oxycoccos Distribution


Carex chordorrhiza, Carex flava Distribution


Kobresia simpliciuscula Community ecology


Camassia cusickii Taxonomy


Allium tolmiei platyphyllum, Botrychium simplex, Calandra ciliata, Camassia cusickii, Cryptantha simulans, Eubrophyton austinae, Halimolobos perplexa perplexa, Mirabilis macfarlanei, Penstemon elegantulus, Peraphyllum ramosissimum Community ecology

384. Johnson, Craig A. [n.d.]. An endangered plant’s (Mirabilis macfarlanei) response to cattle grazing and protection from grazing, and other ecological effects. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 31 p.

Mirabilis macfarlanei Management techniques, monitoring


Mirabilis macfarlanei Distribution


Salix glauca Community ecology


Phlox idahonis Status survey


Cardamine constancei Biology, community ecology, status survey


Cornus nuttallii Monitoring

**Ribes sanguineum**
Distribution


**Carex flava, Salix candida**
Distribution


**Cardamine constancei, Corydalis caseana hastata, Dasynotus daubenmirei, Phlox idahonis, Synthyris platycarpa, Waldsteinia idahoensis**
Biology, community ecology, management techniques


**Multispecies**
Community ecology, distribution


**Multispecies**
Distribution


**Multispecies**
Distribution


**Lycopodium sitchense, Rhynchospora alba**
Distribution


**Botrychium simplex**
Monitoring


**Carex buxbaumi, Carex leptalea, Epilobium palustre, Eriophorum viridicarinatum, Habenaria obtusata, Kobresia simpliciuscula, Muhlenbergia racemosa, Petasites sagittatus, Picea glauca, Salix candida**
Management techniques


**Dasynotus daubenmirei**
Taxonomy


**Howellia aquatilis**
Status survey


**Aster jessicae**
Taxonomy

*Aster jessicae*

**Taxonomy**


**Multispecies Distribution**


*Ranunculus pygmaeus*

**Taxonomy**


*Cypripedium fasciculatum*

**Status survey**


*Nymphaea tetragona*

**Taxonomy**


*Ledum groenlandicum*

**Biology**


*Maianthemum dilatatum*

**Biology, community ecology**


*Maianthemum dilatatum*

**Taxonomy**


*Allotropa virgata*

**Monitoring**


*Haplopappus radiatus*

**Biology, status survey, taxonomy**


*Penstemon compactus*

**Taxonomy**


*Chrysothamnus nauseosus nanus, Haplopappus liatiformis, Haplopappus uniflorus howelli*

**Taxonomy**

**Penstemon lemhiensis**

**Taxonomy**


**Thalictrum dasycarpum**

**Taxonomy**


**Primula alcalina, Primula incana**

Distribution, taxonomy


**Primula alcalina, Primula incana**

Distribution, taxonomy


**Howellia aquatilis**

Status survey


**Astragalus mulfordiae**

Status survey


**Camassia cusickii**

Status survey


**Aster jessicae**

Status survey


**Calamagrostis tweedyi**

Status survey


**Calochortus nitidus**

Status survey


**Haplopappus liatriformis**

Status survey


**Andromeda polifolia, Carex chordorrhiza, Salix candida**

Community ecology


**Betula pumila glandulifera**

Community ecology, distribution

Carex paucercula, Ledum groenlandicum, Vaccinium oxycoccos
Distribution


Ledum groenlandicum, Vaccinium oxycoccos
Distribution


Papaver kluanense
Taxonomy


Polypodium glycyrrhiza
Distribution


Potamogeton diversifolius
Taxonomy


Multispecies
Community ecology


Astragalus yoder-williamsii
Status survey


Multispecies
Distribution


Corallorhiza wisteriana
Distribution


Betula pumila glandulifera
Community ecology


Silene scaposa lobata, Silene spaldingii
Taxonomy


Blechnum spicant, Botrychium lanceolatum lanceolatum, Botrychium simplex, Polypodium glycyrrhiza
Distribution


Parnassia kotzebuei kotzebuei
Distribution


Muhlenbergia racemosa
Taxonomy


**Epilobium palustre**
Distribution, taxonomy


**Ledum groenlandicum**
Community ecology


**Maianthemum dilatatum**
Taxonomy


Multispecies
Distribution


Multispecies
Distribution


**Draba incerta, Phacelia lyalli**
Distribution


**Carex breweri paddoensis, Carex incurviformis, Polystichum kruckebergi**
Distribution


Multispecies
Distribution


**Waldsteinia idahoensis**
Distribution


**Polypodium glycyrrhiza**
Taxonomy


**Salix candida, Salix pedicellaris**
Distribution


**Psilocarphus tenellus**
Community ecology, distribution


**Stellaria calycantha calycantha**
Distribution


Multispecies
Community ecology, distribution


**Andromeda polifolia**
Management techniques

*Haplopappus aberans, Haplopappus bloomeri, Haplopappus insecticurris, Haplopappus integrifolius, Haplopappus latifolius* Distribution, taxonomy


*Haplopappus insecticurris*

Status survey


*Oenothera psammophila*

Biology, community ecology, distribution


*Corallorhiza wisteriana*

Distribution


*Blechnum spicant, Carex hendersonii, Rubus spectabilis, Trientalis latifolia, Viola sempervirens*

Community ecology


*Astragalus mulfordiae, Carex aboriginum*

Distribution


*Astragalus ceramicus apus, Carex idaho*

Distribution


*Carex buxbaumii, Carex livida, Cypripedium calceolus parviflorum, Epilobium palustre, Eriophorum viridecarinatum, Lobelia kalmii, Phlox kelseyi helseyi, Salix candida*

Community ecology, status survey


*Silene spaldingii*

Biology


*Silene spaldingii*

Biology, monitoring


*Silene spaldingii*

Biology, monitoring


*Silene spaldingii*

Biology, monitoring
Howellia aquatilis
Biology


Agoseris lackschewitzii, Astragalus leptaleus, Carex idahoan
Community ecology, distribution


Silene spaldingii
Biology


Carex comosa, Kobresia simpliciuscula, Primula alcalina, Scirpus cyperinus
Distribution


Howellia aquatilis
Biology, distribution, genetics


Howellia aquatilis
Biology, distribution, genetics


Multispecies
Distribution


Multispecies
Distribution


Cornus nuttallii
Monitoring


Multispecies
Monitoring


Allotropa virgata
Monitoring, status survey

**Bouteloua gracilis, Stipa viridula**
Biology


**Astragalus bisulcatus, Astragalus gilviflorus, Bouteloua gracilis, Carex stenophylla, Coryphantha vivipara, Hymenoxys richardsonii, Stipa viridula**
Community ecology, distribution


**Betula pumila glandulifera**
Community ecology


**Andromeda polifolia**
Biology


**Andromeda polifolia, Vaccinium oxycoccos**
Biology


**Eburaphyton austinae**
Distribution


**Multispecies**
Community ecology, distribution


**Festuca subuliflora**
Status survey


**Tauschia tenuissima**
Status survey

489. Lorain, Christine C. 1989. Field investigations of three Region 1 sensitive species on the Clearwater National Forest: *Asplenium trichomanes* (Maidenhair spleenwort), *Thelypteris nevadensis* (Sierra woodfern), and *Dodecatheon hendersonii* (Henderson’s shooting star); plus new locations for additional sensitive species. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 19 p. plus appendices.

**Multispecies**
Status survey


**Astragalus paysonii**
Status survey


**Botrychium crenulatum, Botrychium lanceolatum lanceolatum, Botrychium minganense, Botrychium pinnatum, Botrychium simplex**
Status survey

*Antennaria arcuata*
Status survey


*Tauschia tenuissima*
Status survey


*Cornus nuttallii*
Management techniques, monitoring


*Juncus effusus pacificus*
Management techniques, status survey


Multispecies
Distribution, management techniques


*Cornus nuttallii*
Monitoring


Multispecies
Distribution


*Aster jessicae*
Status survey


*Silene spaldingii*
Status survey


*Grindelia howellii*
Management techniques, status survey


*Mimulus clivicola*
Management techniques, monitoring


*Cornus nuttallii*
Monitoring

*Mimulus clivicola*
Status survey


*Mimulus clivicola*
Status survey


*Blechnum spicant*
Taxonomy


*Papaver kluanense*
Distribution, taxonomy


*Asplenium trichomanes*
Taxonomy


*Andromeda polifolia*
Community ecology


*Allotropa virgata*
Community ecology


*Corallorhiza wisteriana, Cypripedium calceolus parviflorum*
Distribution


*Cypripedium calceolus parviflorum*
Taxonomy


*Corallorhiza wisteriana*
Distribution


*Eriophorum viridicarinatum, Habenaria obtusata, Scirpus hudsonianus, Scirpus subterminalis*
Distribution


*Epilobium palustre*
Community ecology


*Epipactis gigantea*
Status survey


*Haplopappus radiatus*
Status survey

*Astragalus jejunus, Cryptantha breviflora*
Status survey


*Astragalus vexilliflexus nubilus*
Status survey


*Chrysothamnus parryi montanus*
Status survey


*Erythronium grandiflorum nudipetalum*
Status survey


*Astragalus anserinus*
Status survey


*Penstemon idahoensis*
Status survey


*Allium tolmiei platyphyllum, Calochortus nitidus, Erigeron engelmannii davisi, Lomatium rollinsii, Mirabilis clivicola, Mimulus washingtonensis ampliatus, Mirabilis macfarlanei, Pediocactus simpsonii robustus, Penstemon elegantulus, Rubus bartonianus*
Status survey


*Cyperus rivularis*
Distribution


*Antennaria arcuata*
Status survey


*Claytonia lanceolata flava*
Status survey

528. Marriott, Hollis. 1989. *Claytonia lanceolata var. flava*. In: Clark, Tim W.; Harvey, Ann H.; Dorn, Robert D.; Center, David L.; Groves, Craig, eds. Rare, sensitive, and threatened species of the Greater

Claytonia lanceolata flava
Status survey


Astragalus tetrapterus
Distribution, taxonomy


Cornus nuttallii
Community ecology, distribution


Kobresia bellardii, Parnassia kotzebuei kotzebuei, Ranunculus pygmaeus, Salix glauca
Distribution


Musineon lineare
Taxonomy


Tauschia tenuissima
Distribution, taxonomy


Tauschia tenuissima
Taxonomy


Carex buxbaumii, Carex livida
Community ecology


Haplopappus hirtus sonchifolius, Haplopappus insecticuris, Haplopappus integrifolius, Haplopappus liatris formis, Haplopappus radiatus, Haplopappus uniflorus howellii
Taxonomy


Peraphyllum ramosissimum
Genetics, taxonomy


Ribes sanguineum
Management techniques


Botrychium simplex
Distribution


Allium madidum, Allium punctum, Allium tolmiei persimile, Allium tolmiei platyphyllum, Allium validum
Taxonomy

*Lychnis apetala montana*

Taxonomy


Multispecies

Distribution


Multispecies

Distribution


Multispecies

Status survey


*Leptodactylon glabrum, Leptodactylon pungens hazeliae*

Distribution, taxonomy


*Allium tolmiei persimile, Allium tolmiei platyphyllum*

Distribution


*Epipactis gigantea*

Distribution


*Ribes wolfii*

Taxonomy


*Trientalis latifolia*

Community ecology


*Elaeagnus commutata*

Management techniques


*Camassia cusickii, Rubus bartonianus*

Community ecology


*Allium aaseae, Allium tolmiei persimile, Allium tolmiei platyphyllum*

Taxonomy


**Peraphyllum ramosissimum**

Community ecology, distribution


**Bouteloua gracilis, Carex stenophylla**

Community ecology


**Howellia aquatilis**

Management techniques, status survey


**Asplenium trichomanes**

Taxonomy


**Elaeagnus commutata**

Biology


**Stellaria calycantha calycantha**

Taxonomy


**Lomatium rollinsii, Mirabilis macfarlanei**

Distribution


**Halimolobos perplexa perplexa, Leptodactylon pungens hazeliana, Rubus bartonianus**

Distribution


**Calamagrostis tweedyi**

Status survey


**Douglasia idahoensis**

Status survey


**Draba trichocarpa, Eriogonum meledonum, Thlaspi aileenae**

Status survey


**Lomatium rollinsii**

Management techniques, status survey


**Allium validum**

Status survey
566. Moseley, Robert K. 1989. Field investigations of Allium validum (tall swamp onion) and
Douglasia idahoensis (Idaho douglasia), Region 1 sensitive species, on the Nez Perce National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 16 p. plus appendices.

Allium validum, Douglasia idahoensis
Status survey


Epipactis gigantea, Erigeron salmonensis, Hackelia davisi
Status survey


Astragalus amblytropis, Astragalus amnis-amissi, Astragalus aquilonius, Astragalus gilviflorus
Status survey

569. Moseley, Robert K. 1989. Field investigations of Leptodactylon pungens ssp. hazelae (Hazel's prickly phlox) and Mirabilis macfarlanei (Macfarlane's four-o'clock), Region 4 sensitive species, on the Payette National Forest, with notes on Astragalus vallaris (Snake Canyon milkvetch) and Rubus bartonianus (bartonberry). Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 16 p. plus appendices.

Astragalus vallaris, Leptodactylon pungens hazelae, Mirabilis macfarlanei, Rubus bartonianus
Status survey


Saxifraga bryophora tobiasiae
Status survey


Cymopterus douglassii, Cymopterus ibapensis, Erigeron humilis, Lychnis tobiasiae, Saxifraga cernua
Status survey


Multispecies
Status survey


Artemisia packardiae
Status survey


Astragalus mulfordiae
Status survey

report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 20 p. plus appendices.

Claytonia lanceolata flava
Status survey


Phacelia inconspicua
Status survey


Primula alcalina
Status survey


Carex flava, Cicuta bulbifera, Dryopteris cristata, Hypericum majus, Lycopodium inundatum, Petasites sagittatus, Salix candida, Scirpus cyperinus
Status survey


Carex aboriginum
Status survey


Douglasia idahoensis
Status survey


Multispecies Distribution


Allium tolmiei persimile
Community ecology


Astragalus leptaleus
Status survey


Asplenium viride, Cryptantha caespitosa, Cypripedium fasciculatum, Musineon lineare, Penstemon compactus, Stipa viridula
Status survey

and Game, Conservation Data Center, Boise, ID.

Epipactis gigantea, Erigeron engelmannii davisii, Lomatium rollinsii, Mirabilis macfarlanei
Community ecology, management techniques, status survey


Pityrogramma triangularis
Distribution


Carex incurviformis, Draba fladnizensis, Erigeron humilis, Parnassia kotzebuei kotzebuei, Potentilla nivea, Ranunculus gelidus, Ranunculus pygmaeus, Saxifraga adscendens oregonensis, Saxifraga cernua
Distribution


Multispecies
Status survey


Allium aaseae
Status survey

590. Moseley, Robert; Groves, Craig, compilers. 1990. Rare, threatened and endangered plants and animals of Idaho. Boise, ID: Idaho Department of Fish and Game, Conservation Data Center. 33 p.

Multispecies
Distribution


Allium tolmiei persimile, Castilleja oresbia, Penstemon elegantulus
Status survey


Draba trichocarpa, Eriogonum meledonum
Biology, monitoring


Asplenium viride, Musineon lineare, Penstemon compactus
Status survey


Phacelia lyallii, Physaria didymocarpa lyrata
Status survey


Penstemon lemhiensis
Status survey

*Draba trichocarpa, Eriogonum meledonum*

Monitoring


*Bouteloua gracilis, Ledum groenlandicum, Saxifraga cernua*

Community ecology


Multispecies

Distribution


*Salicornia rubra*

Community ecology

600. Muir, Patricia S.; McCune, Bruce. [n.d.]. A dial quadrat for mapping herbaceous plants. Unpublished manuscript on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 8 p.

*Primula alcalina*

Monitoring


*Lycopodium inundatum*

Distribution


*Physaria didymocarpa lyrata*

Taxonomy


*Draba incerta*

Taxonomy


*Draba fladnizensis*

Distribution, taxonomy


*Cicuta bulbifera*

Distribution, taxonomy


*Carex buxbaumii*

Community ecology


*Cyperus rivularis*

Distribution


*Penstemon compactus*

Community ecology


*Cyropedium calceolus parviflorum, Lycopodium inundatum, Salix candida*

Distribution

Calochortus macrocarpus maculosus, Epipactis gigantea, Lepidium papilliferum
Taxonomy


Haploppappus bloomeri
Taxonomy


Haploppappus aberrans
Taxonomy


Andromeda polifolia, Carex chordorrhiza, Carex paucercula, Salix pedicellaris
Community ecology


Dryopteris cristata
Distribution


Coryphantha vivipara
Biology


Coryphantha vivipara, Pediocactus simpsonii robustior
Biology


Coryphantha vivipara
Biology


Epipactis gigantea
Management techniques


Cypripedium calceolus parviflorum, Gentiana propinqua
Distribution


Polystichum braunii
Distribution


Multispecies
Distribution


Multispecies
Distribution


Multispecies
Distribution


Multispecies
Distribution

**Cornus nuttallii**
Community ecology


**Cornus nuttallii**
Genetics


**Allium aaseae, Astragalus amblytropis**
Monitoring


**Saxifraga cernua**
Distribution


**Calochortus macrocarpus maculosus, Calochortus nitidus**
Taxonomy


**Allium tilmiei platiphyllum**
Taxonomy


**Allium aaseae, Allium tilmiei persimile, Allium tilmiei platiphyllum, Allium validum**
Distribution, taxonomy


**Phlox idahonis**
Status survey


**Tofieldia glutinosa absena**
Status survey


**Astragalus amnis-amissi**
Status survey


**Astragalus atratus inseptus**
Status survey


**Cardamine constancei**
Status survey


**Dasynotus daubenmirei**
Status survey


**Thelypodium repandum**
Status survey


**Allium aaseae**
Status survey

Antennaria arcuata
Status survey


Erigeron latus
Status survey


Hackelia davisii
Status survey


Halimolobos perplexa perplexa
Status survey


Lepidium davisii
Status survey


Allium anceps, Astragalus tetrapertus, Cymopterus corrugatus, Eriogonum douglasii douglasii, Glycypleura marginata, Lepidium davisii, Mentzelia torreyi acerosa, Scutellaria nana
Status survey


Astragalus purshii ophiogenes
Status survey


Astragalus oniciformis
Status survey


Telesonix jamesii
Distribution


Carex buxbaumii
Community ecology


Rhynchospora alba
Community ecology


Carex chordorrhiza
Community ecology, distribution

*Coryphantha vivipara*
Distribution


*Adiantum pedatum* subalpine ecotype
Taxonomy


*Adiantum pedatum* subalpine ecotype
Taxonomy


*Cardamine constancei*, *Cornus nuttallii*, *Cypripedium fasciculatum*, *Synthyris platycarpa*, *Tellima grandiflora*, *Trientalis latifolia*

Community ecology


*Ceanothus prostratus*
Community ecology


*Salix farriae*
Community ecology


*Cardamine constancei*, *Synthyris platycarpa*, *Trientalis latifolia*
Distribution


*Leptodactylon glabrum*
Distribution, taxonomy


*Grindelia howellii*
Status survey


*Agoseris lackschewitzii*
Status survey


*Lycopodium inundatum*
Distribution


*Lycopodium inundatum*
Distribution


*Leptodactylon pungens hazeliae*
Distribution, taxonomy

Astragalus kentrophyta jessiae, Astragalus mulfordiae, Astragalus tetramerus, Camissonia palmeri, Cleomella plocaasperma, Eriogonum ochrocephalum clacareum, Lupinus uncialis, Mentzelia mollis

Distribution, taxonomy


Multispecies

Distribution, taxonomy


Mimulus patulus, Mimulus washingtonensis ampliatus

Taxonomy


Cornus nuttallii

Community ecology


Townsendia scapigera

Biology


Andromeda polifolia

Community ecology, monitoring


Eriogonum douglasii douglasii

Distribution


Botrychium simplex

Distribution


Muhlenbergia racemosa

Biology


Corallorhiza wisteriana

Distribution


Corallorhiza wisteriana

Distribution


Corallorhiza wisteriana

Distribution


Vaccinium oxycoccos

Distribution, taxonomy


Nymphaea tetragona

Distribution, taxonomy


Peteria thompsoniae

Taxonomy

*Agrostis oregonensis, Bouteloua gracilis, Muhlenbergia racemosa*

Taxonomy


*Carex buxbaumii, Cypripedium calceolus parviflorum, Cypripedium fasciculatum, Epipactis gigantea, Habenaria obtusata, Juncus haliotis, Kobresia simpliciuscula, Scirpus subterminalis*

Distribution, taxonomy


*Ceanothus prostratus*

Biology


*Eatonella nivea*

Genetics


*Allium aaseae*

Biology


*Ledum groenlandicum*

Community ecology


*Bouteloua gracilis, Stipa viridula*

Community ecology


Multispecies

Community ecology


*Stellaria calycantha calycantha, Stellaria oxyphylla*

Taxonomy


*Gentiana propinqua*

Community ecology


*Penstemon lemhiensis*

Biology, community ecology


*Penstemon lemhiensis*

Biology

Penstemon lemhiensis
Biology, distribution


Papaver kluanense
Taxonomy


Multispecies
Status survey


Multispecies
Distribution, status survey


Multispecies
Distribution, status survey


Multispecies
Distribution


Betula pumila glandulifera
Community ecology


Nymphaea tetragona
Distribution


Ledum groenlandicum
Biology, community ecology


Ledum groenlandicum
Biology, community ecology


Astragalus bisulcatus, Astragalus drummondi, Sanicula marilandica
Biology


Scirpus subterminalis
Community ecology

Multispecies Community ecology, distribution


Multispecies Community ecology, distribution


Blepharidachne kingii

Genetics


Multispecies Distribution


Multispecies Distribution


Botrychium lanceolatum lanceolatum, Botrychium pinnatum

Distribution, taxonomy


Coryphantha vivipara

Distribution


Tofieldia glutinosa brevistyla

Taxonomy


Oxytheca dendroidea

Distribution


Eriogonum capistratum welskii, Eriogonum meledonum, Eriogonum shockleyi packardiae, Eriogonum sp. nov. (War Eagle Mountain)

Taxonomy


Potamogeton diversifolius

Taxonomy


Howellia aquatilis

Management techniques


Ledum groenlandicum

Biology


Kobresia bellardii, Kobresia simpliciuscula

Distribution

Asplenium viride
Distribution


Astragalus amblytropis
Biology, monitoring, status survey


Carex aenea, Carex breueri paddoensis, Carex buxbaumii, Carex chordorrhiza, Carex flava, Carex leptalea, Carex paucercula
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Scirpus subterminalis
Community ecology


Mertensia bella
Status survey


Halimolobos perplexa perplexa
Taxonomy


Lepidium davisii
Taxonomy


Draba trichocarpa, Thlaspi aileenae
Distribution, taxonomy


Betula pumila glandulifera
Status survey


Botrychium pinnatum
Distribution


Cornus nuttallii
Community ecology, distribution


Sullivantia purpurii
Taxonomy


Multispecies
Status survey


Physaria didymocarpa lyrata
Biology, distribution, management techniques

Multispecies 
Distribution, status survey


Multispecies 
Distribution


Haplopappus bloomeri 
Community ecology


Epipactis gigantea 
Biology


Grindelia howellii 
Management techniques


Dissertation.

Carex leptalea, Lycopodium inundatum, Sceuchzeria palustris, Scirpus subterminalis, Trientalis arctica, Vaccinium oxycoccos 
Community ecology


Cornus nuttallii 
Biology


Cornus nuttallii 
Biology


Eriophorum viridicarinatum 
Community ecology


Polystichum braunii 
Biology


Polystichum braunii 
Distribution


Draba incerta 
Biology


Cardamine constancei 
Distribution


Silene spaldingii
Status survey


Epipactis gigantea
Status survey


Lesquerella paysonii
Status survey


Howellia aquatilis
Monitoring, status survey


Tauschia tenuissima
Taxonomy


Lomatium rollinsii
Biology


Lomatium rollinsii
Distribution, taxonomy


Carex flava
Biology, community ecology


Carex flava
Biology, community ecology


Camassia cusickii
Management techniques


Scirpus cyperinus
Taxonomy


Carex chordorrhiza
Distribution


Nymphaea tetragona, Scirpus subterminalis
Distribution


Ranunculus gelidus
Distribution

759. Shaw, N. L.; Monsen, S. B.; Stevens, R. [In preparation]. Chapter IV-3. Rosaceae. In: Monsen,

*Peraphyllum ramosissimum*
Management techniques


*Ledum groenlandicum*
Community ecology


*Penstemon lemhiensis*
Status survey


*Howellia aquatilis*
Status survey


*Howellia aquatilis*
Monitoring, status survey


*Grindelia howellii*
Status survey


*Claytonia lanceolata var. flava*
Status survey


*Claytonia lanceolata var. flava*
Status survey


*Penstemon lemhiensis*
Status survey


*Penstemon lemhiensis*
Monitoring, status survey

Astragalus
Haplopappus
Multispecies
Habenaria

Howellia


Habenaria obtusata
Distribution


Multispecies
Status survey


Astragalus jejunus, Cryptantha breviflora
Status survey


Mirabilis macfarlanei
Status survey


Haplopappus radiatus
Status survey


Silene spaldingii
Status survey


Multispecies
Distribution


Astragalus sterilis
Status survey


Allium tolmiei persimile, Castilleja orebia, Mimulus clivicola, Penstemon elegantulus
Status survey


Betula pumila glandulifera
Community ecology


Andromeda polifolia, Carex chordorrhiza, Carex leptalea, Carex paupercula, Salix candida, Salix pedicellaris, Scheuchzeria palustris
Community ecology


Andromeda polifolia, Rhynchospora alba
Community ecology
Andromeda polifolia
Community ecology


*Pityrogramma triangularis*
Taxonomy


*Peraphyllum ramosissimum*
Biology


*Astragalus atratus inseptus, Astragalus oniciformis*
Status survey


*Astragalus atratus inseptus*
Status survey


*Mentzelia mollis*
Status survey


*Astragalus atratus inseptus*
Status survey


*Astragalus sterilis*
Status survey


*Astragalus atratus inseptus*
Monitoring


*Botrychium simplex*
Distribution


Multispecies
Taxonomy

of Agriculture, Soil Conservation Service; SCS-TP-159. 438 p.

Multispecies
Taxonomy


Tellima grandiflora
Distribution, genetics


Blechnum spicant
Biology, genetics


Polystichum braunii, Polystichum kruckebergii
Taxonomy


Ludwigia polycarpa
Distribution


Multispecies
Distribution


Coryphantha vivipara
Distribution


Astragalus mulfordiae, Astragalus purshii ophiogenes, Astragalus sterilis, Erigeron latus, Lepidium davisi, Mentzelia mollis, Penstemon elegantulus
Distribution


Gentiana tenella
Biology


Gentiana tenella
Biology


Botrychium minganense, Botrychium pinnatum, Pityrogramma triangularis
Distribution, taxonomy


Multispecies
Distribution, taxonomy


Carex angustata
Distribution, taxonomy


Periphyllum ramosissimum

Biology


Ceanothus prostratus

Distribution


Thelypteris phlegopteris

Community ecology


Allotropa virgata

Distribution


Blechnum spicant, Cardamine constancei, Carex hendersonii, Corydalis caseana hastata, Cypripedium fasciculatum, Dodecatheon dentatum, Juncus effusus pacificus, Phlox idahonis, Tridentalis latifolia, Viola sempervirens

Community ecology


Multispecies

Distribution


Grindelia howellii

Taxonomy

814. Stickney, Peter F. 1980. Data base for post-fire succession, first 6 to 9 years, in Montana


Calamagrostis tweedyi

Community ecology


Oenothera psammophila

Biology


Oenothera psammophila

Biology, taxonomy


Blechnum spicant, Rhynchospora alba

Distribution


Allotropa virgata

Distribution


Asplenium trichomanes

Distribution


Betula pumila glandulifera, Carex buxbaumii, Carex comosa, Scirpus cyperinus, Thalictrum dasycarpum, Vaccinium oxyccocus, Viburnum opulus americanum

Distribution

Allotropa virgata
Taxonomy


Cicuta bulbifera
Distribution


Scirpus subterminalis
Distribution


Rubus spectabilis
Biology, community ecology


Ceanothus prostratus
Community ecology


Cyperus rivularis
Distribution, taxonomy


Astragalus vexilliflexus nubilus, Draba apiculata
Status survey


Botrychium pinnatum, Carex brevicaulis, Cicutla bulbifera, Kobresia bellardii, Rhinanthes minor, Scirpus cyperinus
Distribution


Habenaria obtusata
Biology


Habenaria obtusata
Biology


Habenaria obtusata
Biology


Ledum groenlandicum
Distribution


Dodecatheon dentatum
Taxonomy


Lomatium salmoniflorum
Biology

*Lepidium davisi*, *Lepidium papilliferum*

Status survey


**Multispecies**

Distribution, taxonomy


*Ceanothus prostratus*

Management techniques


**Astragalus salmonis**, *Erigeron latus*, *Mentzelia mollis*

Distribution


*Phacelia inconspicua*

Status survey


*Salicornia rubra*

Community ecology


*Salicornia rubra*

Community ecology


*Bouteloua gracilis*

Community ecology


*Stipa viridula*

Community ecology


*Rubus spectabilis*

Community ecology


*Carex buxbaumii*, *Carex livida*

Community ecology


*Carex buxbaumii*

Community ecology


*Corydalis caseana hastata*

Biology
Cornus nuttallii, Rubus spectabilis
Biology


Thelypteris nevadensis
Taxonomy


Betula pumila glandulifera
Community ecology, distribution


Sedum borschii, Sedum rupicolum
Taxonomy


Salicornia rubra
Community ecology


Muhlenbergia racemosa
Community ecology


Multispecies
Distribution


Mirabilis macfarlanei
Management techniques


Mirabilis macfarlanei
Management techniques

Proceedings of the South Dakota Academy of Science. 56: 243-244.

**Asplenium viride**

**Distribution**


**Multispecies Community ecology, distribution**


**Rhinanthus minor**

**Taxonomy**


**Agrostis oregonensis**

**Taxonomy**


**Ledu groenlandicum**

**Community ecology**


**Ceanothus prostratus**

**Community ecology**


**Elaeagnus commutata, Peraphyllum ramosissimum**

**Biology**


**Habenaria obtusata**

**Biology**


**Astragalus mulfordiae**

**Distribution**


**Polystichum braunii, Polystichum kruckebergii**

**Taxonomy**


**Eburophyton austinia**

**Distribution**


**Botrychium lanceolatum, Botrychium minganense, Botrychium pinnatum**

**Distribution, taxonomy**


**Botrychium simplex, Polystichum kruckebergii**

**Management techniques**


**Botrychium lanceolatum lanceolatum, Botrychium minganense, Botrychium simplex**

**Distribution, taxonomy**

875. Wagner, Warren H.; Farrar, Donald R.; McAlpin, Bruce W. 1970. Pteridology of the Highlands Biological Station area, southern

Asplenium trichomanes, Botrychium lanceolatum lanceolatum, Thelypteris phegopteris
Community ecology, distribution


Botrychium lunaria, Botrychium minganense
Taxonomy


Botrychium crenulatum
Taxonomy


Botrychium crenulatum, Botrychium lanceolatum lanceolatum, Botrychium minganense, Botrychium pinnatum, Botrychium simplex
Taxonomy


Botrychium minganense
Distribution, taxonomy


Botrychium crenulatum, Botrychium lanceolatum lanceolatum, Botrychium minganense, Botrychium simplex
Taxonomy


Botrychium lanceolatum lanceolatum, Botrychium minganense, Botrychium pinnatum, Botrychium simplex
Taxonomy


Calandrinia ciliata
Distribution


Oenothera psammophila
Taxonomy


Allotropa virgata
Distribution, taxonomy


Allotropa virgata
Biology


Multispecies
Distribution


Multispecies
Distribution

Multispecies
Distribution


Multispecies
Distribution


Multispecies
Distribution


Multispecies
Distribution


*Penstemon lemhiensis*
Status survey


Multispecies
Distribution


*Carex flava*, *Eriophorum viridicarinatum*, *Lobelia kalmii*, *Salix candida*
Community ecology


*Arnica alpina tomentosa*
Distribution


*Saxifraga cernua*
Biology


*Downingia bacigalupii*
Taxonomy


Multispecies
Distribution


*Penstemon compactus*
Status survey


*Draba apiculata*
Taxonomy


Multispecies
Distribution

902. Welsh, Stanley L.; Atwood, N. Duane; Goodrich, Sherel; Higgins, Larry C. 1987. A

Musineon lineare, Penstemon compactus
Status survey


Carex buxbaumii, Juncus hallii
Distribution


Rubus pubescens
Biology


Rubus pubescens
Biology


Astragalus eucosmus
Status survey


Dryopteris cristata
Taxonomy


Scirpus cyperinus
Community ecology


Salix candida
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Collomia debilis camporum
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Taxonomy


Astragalus diversifolius
Biology


Astragalus diversifolius, Astragalus tetrapterus
Biology


*Potamogeton diversifolius*

Biology


*Claytonia lanceolata flavia*

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*Musineon lineare*

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*Pityrogramma triangularis*

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Status survey


*Carex livida*, *Kobresia simpliciuscula*, *Trientalis arctica*

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*Cuscuta denticulata*

Distribution, taxonomy


*Astragalus bisulcatus*, *Astragalus gilviflorus*

Distribution


*Astragalus paysonii*

Community ecology


*Juncus tiehmii*, *Psilocarphus tenellus*

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*Carex livida*, *Eriophorum viridicarinatum*

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