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**RARE,
THREATENED
AND ENDANGERED
PLANTS AND ANIMALS OF IDAHO**



Cover Illustration: Western redcedar/shield fern habitat type in Aquarius Research Natural Area, Clearwater County. This natural community is endemic to the warm, moist river terraces at low elevations along the North Fork of the Clearwater River and harbors many rare species. Drawn by Eric Stansbury.

**RARE, THREATENED AND ENDANGERED
PLANTS AND ANIMALS OF IDAHO**

Second Edition
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compiled by:

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INTRODUCTION

National concern for the loss of plant and animal species in the United States culminated in 1973, with the passage of Public Law 93-205, the Endangered Species Act. Since that time there has been considerable activity at all levels of government and with non-governmental organizations directed toward the survival and recovery of endangered, threatened and rare plants and animals. To some degree, planning for and management of rare species in Idaho has been fragmented because of jurisdictional barriers. We have compiled these lists in an effort to consolidate our view of rare species in the state. This booklet is meant to provide an easy source for the identification of those species which are in the greatest jeopardy and to provide land managers, owners, and interested parties with an overview of their conservation status. It is also intended for use by amateur and professional botanists and zoologists to help focus their attention on those taxa most in need of field searches and data collection efforts.

Recognizing that these lists are dynamic and that our knowledge of these species is constantly increasing, we plan to produce an updated version of this booklet biannually. The first edition was published March, 1990. This second edition incorporates all new information on the conservation status of rare plants and animals in Idaho that has come to light in the last two years.

Information Sources

These lists have been compiled using the most current information available on the conservation status, distribution and abundance of plant and animal species native to Idaho. The Idaho Conservation Data Center (formerly the Idaho Natural Heritage Program) maintains a comprehensive computerized and manual data base on Idaho's rare, threatened and endangered plants, animals and ecosystems. Site-specific information is available from the Conservation Data Center. Support for this system comes from many private organizations and public agencies who have as a part of their goals the conservation of rare species and their habitats. These agencies, together with a major contribution from the state's herbaria, museums, and universities provide much of the information that makes up the data base.

Although this report is based on a large volume of information, it is by no means complete. Much is known about some species, very little about others. The Conservation Data Center welcomes additional information or suggestions on any of the taxa listed herein. Such information, as well as data requests, should be directed to:

Conservation Data Center
Idaho Department of Fish and Game
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Boise, ID 83707
Phone: 208/334-3402
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Agency Rare Plant and Animal Conservation Programs

Several State and Federal agencies operating in Idaho have as part of their goals and mandates, the identification and protection of rare species and their habitats:

Idaho Department of Parks and Recreation A law protecting native wildflowers in Idaho was enacted in 1967 (Idaho Code Section 18-3913). It gives the Department of Parks and Recreation the authority to establish and amend a list of plants in need of protection because they might possibly become extinct or they affect the scenic beauty of public roads or public land. Of the 24 species listed in 1967, most are forest herbs and shrubs common in northern Idaho. Only three, *Allotropa virgata*, *Epipactis gigantea*, and *Cornus nuttallii*, occur on our list.

Idaho Department of Fish and Game The Department of Fish and Game is mandated under Idaho Code Section 36-103 to preserve, protect, perpetuate, and manage all wildlife. All fish and wildlife are considered to be property of the state, and their capture and take are regulated by the Department. The Department has regulations which classify wildlife into the following categories: game animals, game birds, game fish, furbearing animals, migratory birds, threatened or endangered wildlife, protected nongame species, unprotected wildlife species, and predatory species. In addition, the Department maintains a list of Species of Special Concern. Threatened or endangered wildlife, protected nongame species, and species of special concern are dealt with in detail in this publication.

U.S. Fish and Wildlife Service The Fish and Wildlife Service administers the Endangered Species Act of 1973, as amended. The Endangered Species Act provides federal protection for those plants and animals listed as Endangered and Threatened (see definitions below) and authorizes the Secretary of the Interior to develop and implement recovery plans for each listed species. For the purposes of species conservation, it also authorizes the Secretary to enter into cooperative agreements with states in which federal Endangered and Threatened species occur. In Idaho, cooperative agreements are in effect with the Department of Fish and Game for animals and the Department of Parks and Recreation for plants.

U.S.D.I Bureau of Land Management It is the policy of the BLM to conserve threatened and endangered species and the ecosystems they depend upon primarily by prescribing management for conservation of lands these species inhabit (BLM Manual Chapter 6840). The primary goals of the Threatened and Endangered Species Program are inventory, monitoring, plan preparation, and plan implementation to insure the maintenance and recovery of these species. Similarly, it is BLM policy to manage candidate species and their habitats to insure that their actions do not contribute to the need to list any candidate species as threatened or endangered. The State Director has the authority to designate Sensitive Species, which are to be managed under the same policy as candidate species. It is also BLM policy to carry out management for the conservation of state-listed plants and animals. The State Director is to develop policies that will assist the state in achieving their management objectives for those species. Lastly, the Bureau has developed a national plan, referred to as Fish and Wildlife 2000, a part of which details broad goals and objectives for the management of threatened and endangered species.

U.S. Forest Service The Secretary of Agriculture's Policy on Fish and Wildlife (Department Regulation 9500-4) directs the Forest Service to manage habitats of all existing plants and animals in order to maintain at least viable populations and to avoid actions which may cause species to become federally listed. The Chief, Forest Service, through Forest Service Manual 2670, has directed the Regional Foresters to establish programs to identify threatened, endangered and sensitive species occurring in the Regions and to provide special management emphasis that will ensure their viability. Forest Service policy for Threatened and Endangered Species is to manage their habitats to achieve recovery objectives so that special protection measures under the Endangered Species Act are no longer necessary. For Sensitive Species, the Forest Service is directed to develop and implement management practices to insure that these species do not become threatened and endangered.

Three Forest Service Regions have jurisdiction in Idaho: Region 1 encompasses five National Forests in northern Idaho (Bitterroot, Clearwater, Idaho Panhandle, Kootenai, and Nez Perce); Region 4 encompasses seven Forests in southern Idaho (Boise, Caribou, Challis, Payette, Salmon, Sawtooth, and Targhee) and; the Wallowa-Whitman National Forest, Region 6, administers the Hells Canyon National Recreation Area-portion of the Nez Perce National Forest. Each Regional Forester has established programs and practices in Idaho, which implement Forest Service objectives and policy in threatened, endangered and sensitive species management.

Outline

This publication is divided into two major sections dealing with plants and animals. The plant section is an alphabetized list of all vascular, moss, and lichen species considered to be of conservation concern in Idaho. Associated with each species are eight columns of information concerning its global and state rarity, conservation status, and distribution within Idaho.

The animal section contains a series of classifications of rare animals by the various state and federal agencies. Each classification contains a definition for that particular agency's designation (e.g., BLM Sensitive Species), policy, and regulations where applicable, followed by the current list of species which are managed under that designation. Because there is considerable overlap in the various agency classifications, the animal section concludes with a table which summarizes, by species, all of the agency rare animal designations.

Definitions Common to Plant and Animal Lists

The introduction of the plant and animal sections contain definitions of symbols and categories specific to each list. Two categories of information, however, are common to both lists: (1) the legal federal status of certain species under the Endangered Species Act, and (2) the Conservation Data Center's assessment of the global and state rarity of each species. These two categories are defined below.

(1) Federal Status

Plants and animals that are listed as Threatened or Endangered Species or are Candidates for Threatened and Endangered status under the Endangered Species Act are defined as follows:

Listed Species (from 50 CFR 17.11 and 17.12):

LE = Listed Endangered Taxa in danger of extinction throughout all or a significant portion of their range.

LT = Listed Threatened Taxa likely to be classified as Endangered within the foreseeable future throughout all or a significant portion of their range.

INTRODUCTION (cont.)

Candidate Species (from Federal Register 56:58804-58836; November 21, 1991):

C1 = Category 1 Taxa for which the U.S. Fish and Wildlife Service currently has substantial information on hand to support the biological appropriateness of proposing to list as endangered or threatened. Proposed rules have not been issued, but development and publication of such rules are anticipated

C2 = Category 2 Taxa for which information now in possession of the U.S. Fish and Wildlife Service indicates that proposing to list as endangered or threatened is possibly appropriate, but for which conclusive data on biological vulnerability and threat are not currently available to support proposed rules. Further biological research and field study may be needed to ascertain the status of taxa in this category.

C2* = Possibly Extinct Category 2 Possibly extinct taxon; needs verification.

Category 3 Taxa that were once being considered for listing as endangered and threatened, but are no longer receiving such consideration. Subcategories are as follows:

3a - Taxon for which the Fish and Wildlife Service has persuasive evidence of extinction.

3b - Taxonomic status is in question.

3c - Taxon is more widespread or abundant than previously believed, or is not subject to identifiable threats.

(2) Conservation Data Center Ranks

Presented here is a prioritization system used by the Network of Natural Heritage Programs and Conservation Data Centers, which currently consists of more than 100 installations in all 50 states, three Canadian provinces and 13 Latin American countries, and in a number of national parks, forests, and other areas. Ranking on a 1 to 5 scale is used for plants, animals and natural communities and is applied separately at the global (rangewide) and state levels.

The rank is primarily based on the number of known occurrences, because a species rarely goes extinct without first becoming rare, but other factors such as habitat quality, estimated number of individuals, narrowness of range of habitat, trends in populations and habitat, threats to the element, and other factors are also considered.

The Network ranking system is meant to exist in parallel with national and state rare species lists because these lists often include additional criteria (e.g., recovery potential, depth of knowledge) that go beyond assessing threats to extinction. See article by Master (Conservation Biology 5:559-563; 1991) for a detailed review and evaluation of this ranking system.

The ranks are summarized as follows:

G = Global rank indicator; denotes rank based on rangewide status.

T = Trinomial rank indicator; denotes rangewide status of infraspecific taxa.

S = State rank indicator; denotes rank based on status within Idaho.

1 = Critically imperiled because of extreme rarity or because of some factor of its biology making it especially vulnerable to extinction (typically 5 or fewer occurrences).

2 = Imperiled because of rarity or because of other factors demonstrably making it very vulnerable to extinction (typically 6 to 20 occurrences).

3 = Rare or uncommon but not imperiled (typically 21 to 100 occurrences).

4 = Not rare and apparently secure, but with cause for long-term concern (usually more than 100 occurrences).

5 = Demonstrably widespread, abundant, and secure.

A = Accidental occurrence (birds only).

E = Exotic or introduced.

U = Unknown.

H = Of historical occurrence (i.e., formerly part of the native biota with the implied expectation that it may be rediscovered).

X = Presumed extinct or extirpated.

Q = Indicates uncertainty about taxonomic status.

? = Not yet ranked.

This list updates the conservation status of rare plants native to Idaho, reported in the first edition of this booklet published in March 1990. Considerable new information concerning Idaho's rare flora has come to light in the last two years as a result of field studies conducted by an expanding network of field botanists. New information has generally been reported at the Idaho Rare Plant Conference, held annually since 1984. This Conference, attended by a wide variety of individuals interested in the conservation of Idaho's rare flora, is sponsored by the Idaho Native Plant Society. Results of the annual Idaho Rare Plant Conferences in 1990, 1991, and 1992, are incorporated into this edition.

Four lists are included in this section. The first three lists summarize the current status and known county distribution of Idaho's rare vascular, moss, and lichen flora. Each list is arranged alphabetically by genus, then by species within the genus. One widely used common name appears with the scientific name. The fourth list includes vascular species dropped from consideration in Idaho, at the annual Rare Plant Conferences in 1990, 1991, and 1992. Nomenclature for scientific names follows that of the regional floras or the recent literature for newly described or monographed taxa.

Seven columns of information are associated with each species, as follows:

1. **Conservation Data Center Rank:** Ranking system used by the Idaho Conservation Data Center to assess the Global (G) and State (S) rarity for each species. See Introduction for an explanation of ranks.

2. **INPS:** Idaho Native Plant Society categories, as follows:

1 = State Priority 1 Taxa in danger of becoming extinct or extirpated from Idaho in the foreseeable future if identifiable factors contributing to their decline continue to operate; these are taxa whose populations are present only at critically low levels or whose habitats have been degraded or depleted to a significant degree.

2 = State Priority 2 Taxa likely to be classified as Priority 1 within the foreseeable future in Idaho, if factors contributing to their population decline or habitat degradation or loss continue.

S = Sensitive Taxa with small populations or localized distributions within Idaho that presently do not meet the criteria for classification as Priority 1 or 2, but whose populations and habitats may be jeopardized without active management or removal of threats.

M = Monitor Taxa that are common within a limited range as well as those taxa which are uncommon, but have no identifiable threats.

R = Review Taxa which may be of conservation concern, but for which we have insufficient data upon which to base a recommendation regarding their appropriate classification.

X = Historical/Extirpated Taxa which are known in Idaho only from historical (pre-1920) records or are considered extirpated from the state.

3. **Federal Status:** Status of plants that are listed or are being considered for listing (candidates) under the Endangered Species Act. See Introduction for explanation of symbols. NOTE: For this edition, information in this column represents recommendations made by the FWS for candidate taxa, but they have yet (as of March 1992) to be published in a Federal Register Notice of Review.

4. **FS R1:** Status of plants on the U.S. Forest Service (FS), Northern Region (R1) Sensitive Species List in Idaho (five National Forests in northern Idaho). Categories are as follows:

S = Sensitive Taxa that are identified by the Regional Forester for which viability is a concern, as evidenced by significant current or predicted downward trends in population numbers or density, or significant current or predicted downward trends in habitat capability that would reduce a species' existing distribution (from Forest Service Manual 2670)

W = Watch Plant species, or recognized subspecies or varieties, that are not known to occur on National Forest land, but are predicted to occur on the basis of suitable habitat, and for which there is concern for population viability, within a state, as evidenced by significant current or predicted downward trend in populations or habitats. These taxa, if found on National Forest land would be designated sensitive species.

PLANTS (cont.)

5. **FS R4:** Plants on the U.S. Forest Service, Intermountain Region (R4) Sensitive Species List in Idaho (seven National Forests in southern Idaho).

S = Sensitive Same definition as Sensitive taxa in FS R1 (Forest Service Manual 2670).

6. **FS R6:** Plants on the U.S. Forest Service, Pacific Northwest Region (R6) Sensitive Species List in Idaho (Hells Canyon National Recreation Area).

S = Sensitive Same definition as Sensitive taxa in FS R1 (Forest Service Manual 2670).

7. **BLM:** Plants on the Idaho State Office, Bureau of Land Management Sensitive Species List. Definition is as follows:

S = Sensitive Sensitive species are those designated by the state director, usually in cooperation with the state agencies responsible for managing the species as sensitive. They are those species that are 1) under status review by USFWS/NMFS; or 2) whose numbers are declining so rapidly that federal listing may become necessary; or 3) with typically small and widely dispersed populations; or 4) those inhabiting ecological refugia or other specialized or unique habitats (BLM Manual 6840).

For Idaho, the Sensitive Plant Species List consists of taxa known or suspected to occur on Bureau lands in Idaho which are: (1) listed as Endangered or Threatened under the Endangered Species Act; (2) category 1 or 2 candidates for federal listing as Endangered or Threatened; or (3) listed by the Idaho Native Plant Society as Priority 1, Priority 2, or Sensitive for the state of Idaho.

8. **County Distribution:** The known Idaho distribution, by county. Codes are as follows.

Ada	Aa
Adams	As
Bannock	Ba
Bear Lake	Bk
Benewah	Bw
Bingham	Bi
Blaine	Bl
Boise	Bo
Bonner	Bn
Bonneville	Bv
Boundary	Bd
Butte	Bu
Camas	Cm
Canyon	Cn
Caribou	Cb
Cassia	Cs
Clark	Ck
Clearwater	Cw
Custer	Cu
Elmore	El
Franklin	Fk
Fremont	Fm
Gem	Ge
Gooding	Go
Idaho	Id
Jefferson	Jf
Jerome	Jr
Kootenai	Ko
Latah	La
Lemhi	Lm
Lewis	Lw
Lincoln	Li
Madison	Ma
Minidoka	Mi
Nez Perce	Ne
Oneida	On
Owyhee	Ow
Payette	Pa
Power	Po
Shoshone	Sh
Teton	Te
Twin Falls	Tw
Valley	Va
Washington	Wa

PLANTS (cont.)

Taxon	Heritage Rank	INPS Cat.	Federal Status	FS R1	FS R4	FS R6	BLM	County Distribution
VASCULAR PLANTS								
<i>Adiantum pedatum</i> subalpine ecotype Subalpine maidenhair fern	G5T2Q/S2	S		S		S		Bd,Id
<i>Agoseris lackschewitzii</i> Pink agoseris	G2/S1	S			S		S	Fm,Lm
<i>Agrostis oregonensis</i> Oregon bentgrass	G4/S1	S		S				Sh
<i>Allium aaseae</i> Aase's onion	G2/S2		C1		S		S	Aa,Bo,Ge
<i>Allium anceps</i> Two-headed onion	G4/S1	2					S	Bu,Id,Tw
<i>Allium madidum</i> Swamp onion	G3Q/S2	S	3c		S			As
<i>Allium punctum</i> Prickle onion	G2G3/S1	R						Ow
<i>Allium tolmiei</i> var. <i>persimile</i> Tolmie's onion	G4T2/S2	M	3c		S			As,Ge,Wa
<i>Allium validum</i> Tall swamp onion	G4/S2	S		W	S			Bo,El,Id,Wa
<i>Allotropa virgata</i> Candystick	G4/S2	2		S	S			Id
<i>Andromeda polifolia</i> Bog-rosemary	G5/S1	1						Bn
<i>Antennaria arcuata</i> Meadow pussytoes	G2/S1		C2					Bl
<i>Arnica alpina</i> var. <i>tomentosa</i> Alpine arnica	G5T5/S1	S		S				Bd
<i>Artemisia campestris</i> ssp. <i>borealis</i> var. <i>purshii</i> Northern sagewort	G5T5/S1	1						Cu
<i>Artemisia packardiae</i> Packard's mugwort	G4/S2	M						Ow
<i>Asclepias incarnata</i> Maidenhair spleenwort	G5/S2?	R						
<i>Asplenium trichomanes</i> Maidenhair spleenwort	G5/SH	X		S				Cw
<i>Asplenium viride</i> (<i>A. trichomanes-ramosum</i>) Green spleenwort	G5/S1	1		S		S		Bk,Cw
<i>Aster jessicae</i> Jessica's aster	G2/S2		C1				S	Cw,La,Lw,Ne
<i>Aster junciformis</i> Rush aster	G3G5/S1	R						Bd,Fm,Va
<i>Astragalus amblytropis</i> Challis milkvetch	G3/S3	S			S		S	Cu,Lm
<i>Astragalus amnis-amissi</i> Lost River milkvetch	G3/S3	S	3c		S			Bu,Cu
<i>Astragalus anserinus</i> Goose Creek milkvetch	G2/S1		C2		S		S	Cs
<i>Astragalus aquilonius</i> Lemhi milkvetch	G3/S3	2			S		S	Bu,Cu,Lm

PLANTS (cont.)

Taxon	Heritage Rank	INPS Cat.	Federal Status	FS R1	FS R4	FS R6	BLM	County Distribution
<i>Astragalus atratus</i> var. <i>inseptus</i> Mourning milkvetch	G4T2/S2		C1				S	Bl,Cm,El,Go,Li
<i>Astragalus atratus</i> var. <i>owyheensis</i> Owyhee mourning milkvetch	G4T3/S3	M				S		Cm,Cn,El,Go,Ow,Tw,Wa
<i>Astragalus bisulcatus</i> var. <i>bisulcatus</i> Two-groove milkvetch	G5/S1	S						Ck,Fm,Lm
<i>Astragalus bourgovii</i> Bourgeau's milkvetch	G5/S1	1						Sh
<i>Astragalus camptopus</i> Murphy milkvetch	G3/S3	M	3c				S	Ow
<i>Astragalus ceramicus</i> var. <i>apus</i> Painted milkvetch	G4T3/S3	M	3c					Bi,Bu,Ck,Fm,Jf,Tw
<i>Astragalus conjunctus</i> Stiff milkvetch	G5/S2?	R						Ow
<i>Astragalus cusickii</i> var. <i>packardiae</i> Packard's milkvetch	G5T1/S1	R						Pa
<i>Astragalus diversifolius</i> Meadow milkvetch	G3?/S1	1						Bi,Bu,Cu,Lm
<i>Astragalus drummondii</i> Drummond's milkvetch	G5/S1	S						Ck,Fm
<i>Astragalus gilviflorus</i> Plains milkvetch	G5/S1	1			S		S	Ck,Fm,Lm
<i>Astragalus jejunus</i> var. <i>jejunus</i> Starveling milkvetch	G5/S2	S					S	Bl
<i>Astragalus kentrophyta</i> var. <i>jessiae</i> Thistle milkvetch	G5T4/S2	S					S	Bu,Ow
<i>Astragalus leptaleus</i> Park milkvetch	G4/S2	S			S		S	Cu,Lm
<i>Astragalus microcystis</i> Least bladder milkvetch	G5/SH	1						Bn,Ko
<i>Astragalus mufordiae</i> Mulford's milkvetch	G2/S1		C1				S	Aa,Ow,Pa,Wa
<i>Astragalus newberryi</i> var. <i>castoreus</i> Newberry's milkvetch	G5T5?/S1	1						Tw
<i>Astragalus oniciformis</i> Picabo milkvetch	G3/S3	M	3c				S	Bl,Li,Mi
<i>Astragalus paysonii</i> Payson's milkvetch	G4/S2	S	3c	S	S			Bv,Cu,Id
<i>Astragalus purshii</i> var. <i>ophiogenes</i> Snake River milkvetch	G5T3/S3	S	3c					Aa,El,Go,Ow,Tw
<i>Astragalus riparius</i> Piper's milkvetch	G3/S1	1					S	La,Ne
<i>Astragalus salmonis</i> Trout Creek milkvetch	G4/S1	2					S	Ow
<i>Astragalus sterilis</i> Barren milkvetch	G3/S1		C1				S	Ow
<i>Astragalus tetrapteris</i> Four-wing milkvetch	G4/S1	2					S	Tw
<i>Astragalus vallis</i> Snake Canyon milkvetch	G5/S3	M						As,Wa

PLANTS (cont.)

Taxon	Heritage Rank	INPS Cat.	Federal Status	FS R1	FS R4	FS R6	BLM	County Distribution
<i>Astragalus vexilliflexus</i> var. <i>nubilus</i> White Clouds milkvetch	G4T1/S1		C2		S			Cu
<i>Astragalus yoder-williamsii</i> Osgood Mountains milkvetch	G2/S2		C2		S		S	Ow
<i>Bacopa rotundifolia</i> Roundleaf water-hyssop	G5/S1	1						Cn
<i>Betula pumila</i> var. <i>glandulifera</i> Dwarf birch	G5T4/S2	S		S				Bd,Bn
<i>Blechnum spicant</i> Deer-fern	G5/S2	2		S			S	Bd,Bn,Bw,Cw,Id
<i>Blepharidachne kingii</i> King's desertgrass	G4/S1	1					S	Ow
<i>Botrychium ascendens</i> Triangular-lobed moonwort	G3?/S1		C2			S		Sh
<i>Botrychium crenulatum</i> Crenulate moonwort	G3?Q/SU	R	C2			S		Bd?,Cw?
<i>Botrychium lanceolatum</i> var. <i>lanceolatum</i> Lance-leaved moonwort	G5T4/S2	2				S		Bd,Bn
<i>Botrychium minganense</i> Mingan moonwort	G4/S1	2		S		S		Bd,Bn,Cw,Id,Sh
<i>Botrychium pinnatum</i> Northern moonwort	G4?/S1	2				S		Bd,Bn,Id
<i>Botrychium simplex</i> Least moonwort	G5/S1	2						Bd,BI,Cu,Cw,Va
<i>Bouteloua gracilis</i> Blue gramma	G5/S1	2						Ck,Lm
<i>Calamagrostis tweedyi</i> Cascade reedgrass	G3/S1	2	3c		S			Id
<i>Calandrinia ciliata</i> Red maids	G4/S1	R						El,Go
<i>Calochortus macrocarpus</i> var. <i>maculosus</i> Green-band mariposa lily	G4T2/S2	2				S		Ne
<i>Calochortus nitidus</i> Broad-fruit mariposa	G3/S3		C1	S		S		Cw,Id,La,Lw,Ne,
<i>Camassia cusickii</i> Cusick's camas	G4/S2	S	3c				S	As,Ge,Wa
<i>Camissonia palmeri</i> Palmer's evening primrose	G3/S2	S					S	Bl
<i>Camissonia pterosperma</i> Winged-seed evening primrose	G4/S2	S					S	Bu,Ck
<i>Cardamine constancei</i> Constance's bittercress	G3/S3	S	3c	S				Cw,Id,Lw,Ne,Sh
<i>Carex aboriginum</i> Indian Valley sedge	GX/SX	X	3a					As
<i>Carex abrupta</i> Abrupt sedge	G5/S1	R						Lm
<i>Carex aenea</i> Bronze sedge	G5/S2	R			S			Fm,Ko,Va
<i>Carex angustata</i> Narrow sedge	G5/S1?	R						As,Va

PLANTS (cont.)

Taxon	Heritage Rank	INPS Cat.	Federal Status	FS R1	FS R4	FS R6	BLM	County Distribution
<i>Carex breweri</i> var. <i>paddoensis</i>	G5T4/S1	S						Cu
Brewer's sedge								
<i>Carex buxbaumii</i>	G5/S3	S			S		S	Bd,Bl,Bn,Cu,Fm,Te,Va
Buxbaum's sedge								
<i>Carex californica</i>	G5/S1	S		S				Cu,Id,Sh
California sedge								
<i>Carex chordorrhiza</i>	G5/S1	1		S				Bn
String-root sedge								
<i>Carex comosa</i>	G5/S1	1		S				Bd,Bn
Bristly sedge								
<i>Carex flava</i>	G5/S3	S					S	Bd,Bn,Bo,Cu,Va
Yellow sedge								
<i>Carex hendersonii</i>	G5/S3	S		S			S	Cw,Id
Henderson's sedge								
<i>Carex idaho</i>	G2Q/SH	R	3c					Ck
Idaho sedge								
<i>Carex incurviformis</i>	G2G3/S1	2						Cu
Maritime sedge								
<i>Carex leptalea</i>	G5/S1	S		S	S			Bd,Bn,Cw,Ko
Bristle-stalked sedge								
<i>Carex livida</i>	G5/S2	S		S				Bl,Bn,Cu,Fm,Lm
Pale sedge								
<i>Carex paupercula</i>	G5/S2	2		S				Bd,Bn
Poor sedge								
<i>Carex sheldonii</i>	G47/S1	R						Ba,Bn,Ow,Va
Sheldon's sedge								
<i>Carex stenophylla</i>	G5/S1	2						Cu
Narrow-leaved sedge								
<i>Carex stramineiformis</i>	G4/S2	S			S			Cu,Lm,Sh
Mt. Shasta sedge								
<i>Carex tumulicola</i>	G4/SH	S		W				Ba,Sh
Foothill sedge								
<i>Cassiope mertensiana</i> ssp. <i>mertensiana</i>	G5T5/S1	R						Bn
Mertens' mountain heather								
<i>Castilleja angustifolia</i> var. <i>flavescens</i>	G5T4/S1	2						Cs
Narrow-leaved Indian paintbrush								
<i>Castilleja christii</i>	G1/S1		C1		S			Cs
Christ's Indian paintbrush								
<i>Castilleja pulchella</i>	G37/S1	M						Fm
Beautiful Indian paintbrush								
<i>Ceanothus prostratus</i>	G5/S1	1			S		S	As
Mahala-mat ceanothus								
<i>Chaenactis cusickii</i>	G3/S1	1	C2				S	Cn,Ow
Cusick's false yarrow								
<i>Chrysothamnus humilis</i>	G3/S1	R						Ow
Dwarf rabbitbrush								
<i>Chrysothamnus nauseosus</i> ssp. <i>nanus</i>	G5T4/S2	M	3c					Wa,Ne
Dwarf gray rabbitbrush								
<i>Chrysothamnus parryi</i> ssp. <i>montanus</i>	G5T1/S1		C2		S			Ck
Centennial rabbitbrush								

PLANTS (cont.)

Taxon	Heritage Rank	INPS Cat.	Federal Status	FS R1	FS R4	FS R6	BLM	County Distribution
<i>Cicuta bulbifera</i> Bulb-bearing waterhemlock	G5/S1	2		S				Bd,Bn,Fm
<i>Claytonia lanceolata</i> var. <i>flava</i> Yellow spring-beauty	G5T1/S1		C2		S			Fm
<i>Cleomella plocasperma</i> Flat-seeded cleomella	G4/S1	1					S	Ow
<i>Collomia debilis</i> var. <i>camporum</i> Flexible alpine collomia	G4T3/S2	S						Lm
<i>Comandra livida</i> Northern comandra	G5/S1	R						Bn
<i>Corallorhiza wisteriana</i> Wister coral-root	G5/S1	R						Bv,Fm
<i>Cornus nuttallii</i> Pacific dogwood	G4/S1	1		S			S	Id
<i>Corydalis caseana</i> ssp. <i>hastata</i> Case's corydalis	G5T3/S3	M	3c					Cw,Id,La,Sh
<i>Coryphantha missouriensis</i> Nipple cactus	G5/S4	M						Bu,Ck,Cu,Lm
<i>Coryphantha vivipara</i> Cushion cactus	G4/S2	S					S	Aa,Cs,Lm,Ow
<i>Crepis bakeri</i> ssp. <i>idahoensis</i> Idaho hawksbeard	G4T1/S1	2						Aa?,As?,La,Ne,Wa?
<i>Cryptantha breviflora</i> Uinta Basin cryptantha	G4/S1	2	3c					Bk
<i>Cryptantha caespitosa</i> Tufted cryptantha	G3/S1	2			S			Bk
<i>Cryptantha propria</i> Malheur cryptantha	G4/S1	R						As,Go,Ow,Tw,Wa
<i>Cryptantha simulans</i> Pine woods cryptantha	G4/S1	S			S		S	Bo,La,Ow
<i>Cuscuta denticulata</i> Sepal-tooth dodder	G4/S1	2						Ck,Id
<i>Cymopterus acaulis</i> var. <i>greeleyorum</i> Greeley's wavewing	G5T2/S1	S					S	Ow
<i>Cymopterus davisii</i> Davis' wavewing	G1/S1		C1		S			Cs
<i>Cymopterus douglassii</i> Douglass' wavewing	G2/S2		C2		S			Cu,Lm
<i>Cymopterus ibapensis</i> Ibapah wavewing	G4/S2	S	3c		S			Bu,Cu,Lm
<i>Cyperus rivularis</i> Shining flatsedge	G5/SU	R						Aa,Cn,Ow
<i>Cypripedium fasciculatum</i> Clustered lady's-slipper	G3G4/S3	2	C2	S	S	S	S	Bw,Cw,Id,Ko,La,Sh
<i>Cypripedium parviflorum</i> (C. <i>calceolus</i> var. <i>p</i>) Small yellow lady's-slipper	G5Q/S1	1		S			S	Bn,Bd,Id
<i>Dasynotus daubenmirei</i> Daubenmire's dasynotus	G3/S3	S	3c	S				Id
<i>Dimeresia howellii</i> Dimeresia	G4/S1	2			S		S	Ow

PLANTS (cont.)

Taxon	Heritage Rank	INPS Cat.	Federal Status	FS R1	FS R4	FS R6	BLM	County Distribution
<i>Dodecatheon dentatum</i>	G4/S3	M						Bw,Cw,Sh
White shooting-star								
<i>Douglasia idahoensis</i>	G2/S2		C1	S	S			Bo,Id,Va
Idaho douglasia								
<i>Downingia bacigalupii</i>	G3G4/SU	R						
Bacigalupi's downingia								
<i>Draba apiculata</i>	G4G5/S1	S						Cu
Pointed draba								
<i>Draba argyraea</i>	G3/S3	M	3c					Bl,Bo,Cu,El,Va
Silvery draba								
<i>Draba fladnizensis</i>	G4/S1	2						Cu
Austrian draba								
<i>Draba incerta</i>	G5/S1	S						Bd,Cu,Fm,Lm
Yellowstone draba								
<i>Draba trichocarpa</i>	G2/S2		C1		S			Cu
Stanley whitlow-grass								
<i>Dryopteris cristata</i>	G5/S2	S		S				Bd,Bn
Crested shield-fern								
<i>Eatonella nivea</i>	G4/S3	M					S	As,Cu,El,Ow
White eatonella								
<i>Ebuophyton austinae</i>	G4/S3	M						Bw,Cw,Id,Ko,La,Sh
Phantom orchid								
<i>Elaeagnus commutata</i>	G5/S3	M			S			Bv,Cu,Jf,Ma
American silverberry								
<i>Eleocharis tenuis</i>	G5/S1	R						Fm
Slender spike-rush								
<i>Epilobium palustre</i>	G5/S2	2		S				Bd,Bn,Cu,Fm
Swamp willow-weed								
<i>Epipactis gigantea</i>	G4/S3	2		S	S		S	As,Bd,Bn,Bo,Ck,Cm,Cu,El,Id,Go, Jr,Lm,Ow,Tw,Va
Giant helleborine								
<i>Equisetum scirpoides</i>	G5/S?	R						
Sedgelike horsetail								
<i>Erigeron humilis</i>	G4/S2	M						Bu,Cu,Lm
Low fleabane								
<i>Erigeron latus</i>	G2/S2		C2		S		S	Ow,Tw
Broad fleabane								
<i>Erigeron salmonensis</i>	G1/S1		C2		S			Lm
Salmon River fleabane								
<i>Eriogonum capistratum</i> var. <i>welshii</i>	G4T2/S2	2						Cu
Welsh's buckwheat								
<i>Eriogonum desertorum</i>	G3G4/S1	1						Cs
Desert buckwheat								
<i>Eriogonum douglasii</i> var. <i>douglasii</i>	G5T4/S1?	R						Ad,El,Id
Douglas' buckwheat								
<i>Eriogonum hookeri</i>	G7/S1	R						Ba
Hooker's buckwheat								
<i>Eriogonum meledonum</i>	G1/S1		C1		S			Cu
Guardian buckwheat								
<i>Eriogonum ochrocephalum</i> var. <i>calcareum</i>	G4?T3Q/S1	2						Pa
Calcareous buckwheat								

PLANTS (cont.)

Taxon	Heritage Rank	INPS Cat.	Federal Status	FS R1	FS R4	FS R6	BLM	County Distribution
<i>Eriogonum salicornioides</i> Annual salt buckwheat	G3/S3	R						Bl,Bu,Ca,El,Ow
<i>Eriogonum shockleyi</i> var. <i>packardiae</i> Packard's cowpie buckwheat	G5T1/S1	2					S	Aa,Go,Ow
<i>Eriogonum shockleyi</i> var. <i>shockleyi</i> Matted cowpie buckwheat	G4T4?/S2	S					S	Aa,Ba,El,Ow
<i>Eriogonum</i> sp. nov. (War Eagle Mountain) War Eagle Mountain buckwheat	G1Q/S1	R						Ow
<i>Eriophorum viridicarinatum</i> Green keeled cotton-grass	G5/S1	1		S				Bn,Fm,Te
<i>Gaultheria hispidula</i> Creeping snowberry	G5/S1	2		S				Bd,Bn,Id
<i>Gentianella propinqua</i> (<i>Gentiana propinqua</i>) Four-parted gentian	G4/S1	M			S			Cu,Fm
<i>Gentianella tenella</i> (<i>Gentiana tenella</i>) Slender gentian	G4/S1	M			S			Cu
<i>Gilia polycladon</i> (<i>Ipomopsis polycladon</i>) Spreading gilia	G4/S1	2					S	Bu,Ow
<i>Glyptopleura marginata</i> White-margined wax plant	G4/S2	1					S	Aa,Cn,Ow,Tw
<i>Grindelia howellii</i> Howell's gumweed	G3/S1		C2	S			S	Bw
<i>Gymnosteris nudicaulis</i> Large-flowered gymnosteris	G4/S3	M					S	Bi,Bl,Bu,Ck,Cn,Cs,El,Ge,Go, Li,Mi,Ow,Po
<i>Gymnosteris parvula</i> Small-flowered gymnosteris	G4/S3	M					S	Bl,Cb,Li,Ow
<i>Hackelia davisii</i> Davis' stickseed	G3/S3	M	3c		S			Cu,Lm,Va
<i>Hackelia ophiobia</i> Rattlesnake stickseed	G3?/S2	S	3c				S	Ow
<i>Hackelia</i> sp. nov. (Sleeping Deer Mountain) Sleeping Deer Mountain stickseed	G1Q/S1	R						Cu
<i>Halimolobos perplexa</i> var. <i>perplexa</i> Puzzling halimolobos	G4T3/S3	M	3c	S	S	S	S	As,Id
<i>Haplopappus aberrans</i> Idaho goldenweed	G3/S3	M	3c		S		S	Bl,Bo,Cu,El
<i>Haplopappus bloomeri</i> Rabbitbrush goldenweed	G4/S1	R						Ow
<i>Haplopappus hirtus</i> var. <i>sonchifolius</i> Sticky goldenweed	G4T3/S1	R						Ne
<i>Haplopappus insecticuriis</i> Bugleg goldenweed	G3/S3		C1		S		S	Cm,El
<i>Haplopappus integrifolius</i> Entire-leaved goldenweed	G4/S1	R						Ck,Fm,Lm
<i>Haplopappus liatrisformis</i> Palouse goldenweed	G2/S1		C1				S	Id,La,Lw,Ne
<i>Haplopappus radiatus</i> Snake River goldenweed	G2/S1		C1		S		S	Wa
<i>Haplopappus uniflorus</i> var. <i>linearis</i> One-flowered goldenweed	G5T3/S1	R						Ow

PLANTS (cont.)

Taxon	Heritage Rank	INPS Cat.	Federal Status	FS R1	FS R4	FS R6	BLM	County Distribution
<i>Howellia aquatilis</i>	G2/S1		C1	S				La
Water howellia								Cs,Po
<i>Hymenoxys richardsonii</i>	G4/S1	1						
Richardson's bitterweed				S			S	Bd,Bn
<i>Hypericum majus</i>	G5/S1	2						
Large Canadian St. John's-wort								Bd,Id,Sh
<i>Ivesia tweedyi</i>	G4/S2	M						
Tweedy's ivesia							S	Bv,Cw,Fm,Lm,Ow
<i>Juncus hallii</i>	G4G5/S2	S						
Hall's rush								Cu,Go,Ow
<i>Juncus hemiendytus</i> var. <i>abjectus</i>	G5T4T5/S2	R						
Dejected rush								Bo,Ow
<i>Juncus tiehmii</i>	G5/S2	R						
Tiehm's rush								Fm
<i>Juncus tweedyi</i>	G3/S1	R						
Tweedy's rush							S	As
<i>Kobresia bellardii</i> (<i>K. myosuroides</i>)	G5/S1	R						
Bellardi's kobresia							S	Te
<i>Kobresia simpliciuscula</i>	G5/SH	X						
Simple kobresia								Bn?,Bd?
<i>Ledum groenlandicum</i>	G5/SH	X						
Bog Labrador-tea								
<i>Lepidium davisii</i>	G3/S3		C2				S	Aa,El,Ow,Tw
Davis' peppergrass								
<i>Lepidium papilliferum</i> (<i>L. montanum</i> var. <i>p.</i>)	G2/S2		C2				S	Aa,Ba,Cn,El,Ge,Pa
Slick spot peppergrass								
<i>Leptodactylon glabrum</i>	G1/S1		C2				S	Ow
Bruneau River prickly phlox								
<i>Leptodactylon pungens</i> ssp. <i>hazeliae</i>	G5T1/S1		C2	S	S	S	S	As,Id
Hazel's prickly phlox								
<i>Lesquerella kingii</i> var. <i>cobrensis</i>	G4T3/S3	M						Bi,Bu,Bv,Po
King's bladderpod								
<i>Lesquerella paysonii</i>	G2/S1	1						Bv
Payson's bladderpod								
<i>Lewisia kelloggii</i>	G4/S1	2						Cu,El,Va
Kellogg's bitterroot								
<i>Lithophragma tenella</i> var. <i>thompsonii</i>	G5T?/S?	R						
Thompson's prairiestar								Bd?,Bn?
<i>Lobelia kalmii</i>	G5/SU	R						
Kalm's lobelia							S	Id,Ne
<i>Lomatium dissectum</i> var. <i>dissectum</i>	G5T5/S1	S						
Fern-leaved desert-parsley							S	Cw,Id,La,Lw,Ne
<i>Lomatium salmoniflorum</i>	G2/S2	S						
Salmon-flower desert-parsley								
<i>Lomatogonium rotatum</i>	G5/S1	1					S	Cu,Lm
Marsh felwort								
<i>Ludwigia polycarpa</i>	G4/S1	2						Ko
Many-fruit false-loosestrife								
<i>Lupinus lepidus</i> var. <i>sellulus</i>	G4T2/S2	M					S	Cm,Ow
(<i>L. hyalii</i> var. <i>subpandens</i>)								
Stool lupine								

PLANTS (cont.)

Taxon	Heritage Rank	INPS Cat.	Federal Status	FS R1	FS R4	FS R6	BLM	County Distribution
<i>Lupinus uncialis</i> Inch-high lupine	G4/S1	S					S	Ow
<i>Lycopodium inundatum</i> Northern bog clubmoss	G5/S1	1		S				Bd,Bn,Fm
<i>Lycopodium obscurum</i> Groundpine	G5/S1	R						Bn
<i>Lycopodium sitchense</i> Sitka clubmoss	G5Q/S1	S		S				Bd,Bn,Id
<i>Machaeranthera laetevirens</i> Vivid green aster	G1/S1		3b		S			Bl,Cs,Cu
<i>Machaeranthera shastensis</i> var. <i>latifolia</i> Shasta aster	G5T4/S1	R						Cs
<i>Machaerocarpus californicus</i> Fringed waterplantain	G4/S2	M					S	Cm,Ow
<i>Maianthemum dilatatum</i> False lily-of-the-valley	G4/SH	1		W				Bn
<i>Malacothrix glabrata</i> Smooth malacothrix	G5/S3	M						El,Ow
<i>Mentzelia congesta</i> Congested stickleaf	G5/S1	R						Go
<i>Mentzelia mollis</i> Smooth stickleaf	G2/S1		C1				S	Ow
<i>Mentzelia torreyi</i> var. <i>acerosa</i> Torrey's blazing star	G4?T3/S3	M					S	Aa,El,Go,Ow,Tw
<i>Mertensia bella</i> Oregon bluebells	G4/S3	S		S				Cw,Id
<i>Mimulus breviflorus</i> ssp. <i>robustus</i> ssp. nov. Short-flowered monkeyflower	G4T1/S1	R						Ow
<i>Mimulus clivicola</i> Bank monkeyflower	G4/S3	2	3c	S	S	S	S	As,Bw,Cw,Id,Ko,La,Ne,Sh,Wa
<i>Mimulus patulus</i> Stalk-leaved monkeyflower	G2?/SU		C2			S		Ne?
<i>Mimulus ringens</i> Allegheny monkeyflower	G5/S1	1						Cn
<i>Mimulus washingtonensis</i> ssp. <i>ampliatius</i> Spacious monkeyflower	G2T1/S1	2						Id,Lw,Ne
<i>Mirabilis macfarlanei</i> Macfarlane's four-o'clock	G1/S1		LE	S	S	S	S	Id
<i>Muhlenbergia racemosa</i> (incl. <i>M. glomerata</i>) Green muhly	G5/S1	1						Bi,Bn,Fm,Te
<i>Musineon lineare</i> Rydberg's musineon	G1G2/S1		C2		S			Bk
<i>Nemacladus rigidus</i> Rigid threadbush	G4/S1	S					S	Ow
<i>Nymphaea tetragona</i> Pygmy water-lily	G5/SH	X		W				Bn
<i>Oenothera psammophila</i> St. Anthony evening primrose	G3/S3		C1				S	Fm
<i>Oryzopsis micrantha</i> Small-flowered ricegrass	G5/S1	2						Ck

PLANTS (cont.)

Taxon	Heritage Rank	INPS Cat.	Federal Status	FS R1	FS R4	FS R6	BLM	County Distribution
<i>Oxalis trillifolia</i>	G5/S1	1		W				Bd,Bn
Trillium-leaved wood-sorrel								
<i>Oxytheca dendroidea</i>	G4/S3	S					S	Bi,Bu,El,Li,Fm
Tree-like oxytheca								
<i>Oxytropis besseyi</i> var. <i>salmonensis</i>	G5T3/S3	M			S			Cu
Challis crazyweed								
<i>Papaver kluanense</i>	G4/SX	X			S			Lm
Arctic poppy								
<i>Parnassia kotzebuei</i> var. <i>kotzebuei</i>	G4T4/S1	M			S			Cu
Kotzebue's grass-of-Parnassus								
<i>Pediocactus simpsonii</i> var. <i>robustior</i>	G4T4/S3	M					S	Cs,Ne,On,Ow,Tw
Simpson's hedgehog cactus								
<i>Penstemon compactus</i>	G2G3/S1	2	3c		S			Fk
Cache penstemon								
<i>Penstemon idahoensis</i>	G1/S1		C2		S		S	Cs
Idaho penstemon								
<i>Penstemon janishiae</i>	G4/S1	2					S	El,Ow
Janish's penstemon								
<i>Penstemon lemhiensis</i>	G3/S3		C2		S		S	Lm
Lemhi penstemon								
<i>Peraphyllum ramosissimum</i>	G4/S1	2					S	Wa
Squaw apple								
<i>Petasites sagittatus</i>	G4/S3	M						Bd,Bn,Ko
Arrowleaf coltsfoot								
<i>Peteria thompsoniae</i>	G4/S1	1	3c				S	Ow
Spine-noded milkvetch								
<i>Phacelia inconspicua</i>	G1/S1		C2				S	Bu,El?
Obscure phacelia								
<i>Phacelia lutea</i> var. <i>calva</i>	G4T2/S2	S					S	Ow
Malheur yellow phacelia								
<i>Phacelia lyallii</i>	G2/S1	S		S	S			Id,Lm
Lyall's phacelia								
<i>Phacelia minutissima</i>	G4/S1	1	C2			S	S	Cm,Ow
Least phacelia								
<i>Phlox idahonis</i>	G1/S1		C1	W				Cw
Clearwater phlox								
<i>Phlox kelseyi</i> var. <i>kelseyi</i>	G4T4/S2	R						Cb,Cu,Lm
Kelsey's phlox								
<i>Physaria didymocarpa</i> var. <i>lyrata</i>	G5T1/S1		C1		S		S	Lm
Salmon twin bladderpod								
<i>Physaria integrifolia</i> var. <i>monticola</i>	G7T7/S1	R						Bv
Mountain twin bladderpod								
<i>Picea glauca</i>	G5/S1	2						Fm
White spruce								
<i>Pityrogramma triangularis</i> (<i>Pentagramma</i> t.)	G5/S1	1		S				Id
Gold-back fern								
<i>Platanthera obtusata</i> (<i>Habenaria obtusata</i>)	G4G5/S1	R				S		Cu,Id
Small northern bog-orchid								
<i>Poa abbreviata</i> ssp. <i>marshii</i>	G5T2/S1	R						Bl,Cu,Lm
Marsh's bluegrass								

PLANTS (cont.)

Taxon	Heritage Rank	INPS Cat.	Federal Status	FS R1	FS R4	FS R6	BLM	County Distribution
<i>Polypodium glycyrrhiza</i> Licorice fern	G5/S1	1		S				Cw
<i>Polystichum braunii</i> Braun's sword-fern	G5/S1	2						Bd,Bn
<i>Polystichum kruckebergii</i> Kruckeberg's sword-fern	G5/S1	S	3c					Cs,Cu,Id
<i>Potamogeton diversifolius</i> Water-thread pondweed	G5/S1	R						Ow,Cm
<i>Primula alcalina</i> Alkali primrose	G1/S1		C1		S		S	Ck,Cu,Lm
<i>Primula incana</i> Jones' primrose	G4/S1	1						Cu,Te
<i>Primula wilcoxiana</i> Wilcox's primrose	G2Q/S2	R	3b				S	Aa,Bo,Cn,El,Ge
<i>Psilocarphus tenellus</i> Slender woolly-heads	G4/S1	S					S	Cw,Id,Ko,La
<i>Psoralea physodes</i> California scurf-pea	G4/S1	1						La
<i>Ranunculus gelidus</i> Arctic buttercup	G4/S1	1						Cu
<i>Ranunculus pygmaeus</i> Pygmy buttercup	G5/S1	S						Cu
<i>Rhinanthus minor</i> (<i>R. crista-gali</i>) Yellow rattle-box	G4/SH	X						La
<i>Rhynchospora alba</i> White beakrush	G5/S1	2		S				Bd,Bn,Va
<i>Ribes howellii</i> Howell's gooseberry	G4/S2	S						Bd,Bn
<i>Ribes sanguineum</i> Red-flowered currant	G5/S1	1		W				Bw
<i>Ribes wolfii</i> Wolf's currant	G4/S1	S		S		S		Id,Va
<i>Romanzoffia sitchensis</i> Sitka mistmaiden	G4/S1	S		S				Bd
<i>Rubus bartonianus</i> Bartonberry	G2/S2	M	C2	S		S		As,Id
<i>Rubus pubescens</i> Dwarf red blackberry	G5/S1	1		W				Bn
<i>Rubus spectabilis</i> Salmonberry	G5/S1	1		W				Bn
<i>Salicornia rubra</i> Red glasswort	G4/S1	M						Bi,BI,Cb,Cs
<i>Salix candida</i> Hoary willow	G5/S2	S			S		S	Bd,Bn,Cb,Cu,Fm,Lm,Te
<i>Salix farriae</i> Farr's willow	G4/S1	2			S	S		Cu
<i>Salix glauca</i> Gray willow	G4/S1	1						Fm
<i>Salix pedicellaris</i> Bog willow	G5/S1	2		S				Bd,Bn

PLANTS (cont.)

Taxon	Heritage Rank	INPS Cat.	Federal Status	FS R1	FS R4	FS R6	BLM	County Distribution
<i>Sanicula graveolens</i>	G4/S1	S						Fm,Id,Va
Sierra sanicle				S				Bd,Bn,Ko
<i>Sanicula marilandica</i>	G5/S2	S						
Black snake-root					S	S		Bl,Cu
<i>Saxifraga adscendens</i> var. <i>oregonensis</i>	G4T4/S1	M						
Wedge-leaf saxifrage					S			Id,Va
<i>Saxifraga bryophora</i> var. <i>tobiasiae</i>	G5T2/S2		C2					
Tobias' saxifrage					S			Bu,Cu,Fm,Lm
<i>Saxifraga cernua</i>	G4/S2	S						
Nodding saxifrage								Bd,Bn,Fm,Va
<i>Scheuchzeria palustris</i>	G5/S2	2						
Pod grass								Bw,Bd,Bn,Ko,La
<i>Scirpus cyperinus</i>	G5/S3	M						
Wool-grass								Bd
<i>Scirpus hudsonianus</i>	G5/S1	R						
Hudson's Bay bulrush				S				Bd,Bn,Fm
<i>Scirpus subterminalis</i>	G4G5/S1	S						
Water clubrush							S	Aa,Go,Ow,Tw
<i>Scutellaria nana</i> var. <i>nana</i>	G4T4/S1	S						
Dwarf skullcap								Id,Lm,Va
<i>Sedum borschii</i>	G3/S2	M						
Borsch's stonecrop				S			S	Id,Sh
<i>Sedum rupicolum</i>	G4Q/S1	S						
(<i>S. lanceolatum</i> var. <i>rupicolum</i>)								
Rock stonecrop								Ow,Te
<i>Senecio streptanthifolius</i> var. <i>laetiflorus</i>	G5T3/S1	R						
Gay-flowered groundsel								Bu,Ck
<i>Silene scaposa</i> var. <i>lobata</i>	G4T4/S3	M	3c					
Scapose silene						S		Id,La,Lw
<i>Silene spaldingii</i>	G2/S1		C1					
Spalding's silene								Bl,Cu,Lm
<i>Silene uralensis</i> ssp. <i>montana</i>	G5T4/S1	2						
(<i>Lychnis apetala</i>)								
Petalless campion								Ow
<i>Solidago spectabilis</i>	G4/SH	X						
Spectacular goldenrod								Cm,El
<i>Sphaeromeria potentilloides</i> (<i>Tanacetum</i> p.)	G5/S1	S						
Cinquefoil tansy						S		Ck,Cu
<i>Stipa pinetorum</i>	G4/S1	S						
Pine needlegrass						S		Cb,Ck,El,Ow
<i>Stipa viridula</i>	G4/S1	S						
Green needlegrass								Bd,Bn
<i>Streptopus streptopoides</i> var. <i>brevipes</i>	G5T4/S1	S						
Kruhsea							S	Aa,Bl,El,Go,Li,Ow
<i>Stylocline filaginea</i>	G4/S2	M						
Stylocline								Cu
<i>Sullivantia purpusii</i>	G3/S1	2	3c					
Purpus' sullivantia								Id,Cw
<i>Synthlipsis platycarpa</i>	G3/S3	M	3c	S				
Evergreen kittentail								

PLANTS (cont.)

Taxon	Heritage Rank	INPS Cat.	Federal Status	FS R1	FS R4	FS R6	BLM	County Distribution
<i>Tauschia tenuissima</i> Leiberg's tauschia	G3/S3	M	3c					Bw,Cw,La,Sh
<i>Telesonix jamesii</i> James' saxifrage	G4/S1	M						Fm
<i>Tellima grandiflora</i> Fringecup	G5/S1	1						Bn
<i>Teucrium canadense</i> var. <i>occidentale</i> American wood sage	G5T4/S1	1						Aa,Cn,Id,Wa
<i>Thalictrum dasycarpum</i> Purple meadow-rue	G5/S1	R						Bd,Bn
<i>Thelypodium flexuosum</i> Flexible thelypody	G5/S1	R						Ow,Pa
<i>Thelypodium laciniatum</i> var. <i>streptanthoides</i> Purple thick-leaved thelypody	G5T4/S1	2						Ne,Id
<i>Thelypodium paniculatum</i> Paniculate thelypody	G3G4/S1	R						Fm
<i>Thelypodium repandum</i> Wavy-leaf thelypody	G2/S2		C1		S		S	Cu,Lm
<i>Thelypteris nevadensis</i> Sierra wood-fern	G4/S1	1		S				Cw
<i>Thelypteris phegopteris</i> Northern beechfern	G5/S1	1		S				Bd,Bn
<i>Thlaspi aileeniae</i> Stanley thlaspi	G3Q/S3	M			S			Bl,Cu
<i>Tofieldia glutinosa</i> ssp. <i>absona</i> Out-of-tune sticky tofieldia	G5T1/S1		C2	S	S			Bn,Id?
<i>Tofieldia glutinosa</i> ssp. <i>brevistyla</i> Short-style sticky tofieldia	G5T4/S1	1						Cw,Va
<i>Townsendia scapigera</i> Scapose townsendia	G4G5/S1	R						Tw
<i>Trientalis arctica</i> Northern starflower	G5/S3	S		S				Bd,Bn
<i>Trientalis latifolia</i> Western starflower	G5/S3	M		S				Bw,Cw,Id,La
<i>Trifolium longipes</i> var. <i>multipedunculatum</i> Many-stalked clover	G4/S1	R		W				Id
<i>Trifolium microdon</i> Valpariso clover	G4Q/SH	R						As,Ow
<i>Trifolium owyheense</i> Owyhee clover	G2?/S1		C2				S	Ow
<i>Trifolium plumosum</i> var. <i>amplifolium</i> Plumed clover	G3T2/S2	S	3c				S	Cw,Id,Lw,Ne,Wa
<i>Vaccinium oxycoccos</i> Bog cranberry	G5/S1	2		S				Bn
<i>Viburnum trilobum</i> (<i>V. opulus</i> var. <i>americanum</i>) High-bush cranberry	G5/SH	X						Bd
<i>Viola sempervirens</i> Redwoods violet	G5/S3	M						Bn,Cw,Ko,Sh
<i>Waldsteinia idahoensis</i> Idaho strawberry	G3/S3	M	3c					Cw,Id,Sh

PLANTS (cont.)

Taxon	Heritage Rank	INPS Cat.	Federal Status	FS R1	FS R4	FS R6	BLM	County Distribution
MOSSES								
<i>Bryum calobryoides</i>	G5/S1	1						El
Beautiful bryum								
<i>Buxbaumia aphylla</i>	G4/SH	1						?
Leafless bug-on-a-stick								
<i>Buxbaumia piperi</i>	G4/SH	1					S	?
Piper's bug-on-a-stick								
<i>Helodium blandowii</i>	G5/S2	S						Bd?,Bn?
Blandow's helodium								
<i>Hookeria lucens</i>	G4/S2?	2						Bd?,Bn?
Light hookeria								
<i>Meesia logiseta</i>	G5/SH	1						?
Meesia								
<i>Sphagnum mendocinum</i>	G4/S1	2						Bn,Id
Peatmoss								
<i>Tayloria serrata</i>	G5/S3?	M						?
Serrate tayloria								
<i>Ulota curvifolia</i>	G5/SU	R						?
Curve-leaved ulota								
<i>Ulota megalospora</i>	G4/S2?	2						?
Large-spored ulota								
LICHENS								
<i>Cladonia transcendens</i>	G5/S2?	2						Id?
Transcending reindeer lichen								
<i>Cladonia verruculosa</i>	G3/S1	2						Id,Sh
Warty reindeer lichen								
<i>Collema curtisporum</i>	G1/S1	1					S	Id,Sh
Short-spored jelly lichen								
<i>Collema furfuraceum</i>	G5/S1	2						Sh
Scurffy jelly lichen								
<i>Hypogymnia enteromorpha</i>	G4/S1	2						Id,Sh
Tube lichen								
<i>Lobaria hallii</i>	G4/S1	2						Sh
Hall's lungwort								
<i>Lobaria linita</i>	G4/S1	2						Id
Smeared lungwort								
<i>Lobaria scrobiculata</i>	G3G4/S1	2						Id,Sh
Pored lungwort								
<i>Pilophorus acicularis</i>	G4/S1	2						Sh
Nail lichen								
<i>Ramalina thrausta</i>	G4/S1	2						Id
Hanging cartilage lichen								
<i>Physcia semipinnata</i>	G5/S1	2						Id
Dot lichen								
<i>Pseudocyphellaria anthraxis</i>	G4/S1	2						Id
White-dot lichen								
<i>Sphaerophorus tuckermannii</i>	G4/S1	2						Id
Tuckermann's ball-bearing lichen								

PLANTS (cont.)

Taxon	Heritage Rank	INPS Cat.	Federal Status	FS R1	FS R4	FS R6	BLM	County Distribution
<i>Texosporium sancti-jacobi</i> Wovenspore lichen	G2/S1	1					S	Aa
<i>Xanthoparmelia idahoensis</i> Idaho range lichen	G2/S1	1					S	Lm

TAXA DROPPED FROM CONSIDERATION IN IDAHO: 1990-1992

1990 Rare Plant Conference

Artemisia papposa (common; no threats)
Asclepias cryptoceras (common; no threats)
Astragalus beckwithii var. *sulcatus* (common; no threats)
Astragalus platytropis (common; no threats)
Astragalus scaphoides (common; no threats)
Astragalus spatulatus (common; no threats)
Carex lenticularis var. *impressa* (not known to occur in Idaho)
Carex lenticularis var. *lenticularis* (not known to occur in Idaho)
Chrysothamnus albidus (not known to occur in Idaho)
Chrysothamnus nauseosus ssp. *graveolens* (common; no threats)
Chrysothamnus nauseosus ssp. *nauseosus* (not known to occur in Idaho)
Collomia heterophylla (common; no threats)
Dodecatheon hendersonii (specimens misidentified; taxon not known to occur in Idaho)
Erigeron radicans (common; no threats)
Eriogonum ochrocephalum var. *sceptrum* (common; no threats)
Halimolobos perplexa var. *lemhiensis* (common; no threats)
Haplopappus resinosus (common; no threats)
Haplopappus spinulosus var. *spinulosus* (common; no threats)
Hydrophyllum occidentale var. *watsonii* (common; no threats)
Juncus kelloggii (taxon does not occur in Idaho; syn. *J. tiehmii* and *J. hemiendytus* var. *abjectus*)
Lotus humistratus (specimens misidentified; taxon not known to occur in Idaho)
Lupinus cusickii (not known to occur in Idaho)
Malacothrix torreyi (common; no threats)
Muhlenbergia glomerata (not known to occur in Idaho; see *M. racemosa*)
Psilocarphus brevissimus var. *brevissimus* (common; no threats)
Psilocarphus oregonus (common; no threats)
Oryzopsis swollenii (common; no threats)
Ribes velutinum var. *nov.* (common; no threats)
Stipa webberi (common; no threats)

1991 Rare Plant Conference

Botrychium lunaria (not known to occur in Idaho)
Botrychium montanum (not known to occur in Idaho)
Botrychium pedunculatum (not known to occur in Idaho)
Campanula scabrella (common, no threats)
Castilleja oregonia (common, no threats)
Dicentra formosa (not known to occur in Idaho outside of cultivation)
Draba daviesiae (not known to occur in Idaho)
Draba maguirei (not known to occur in Idaho)
Eriogonum brevicaule var. *laxifolium* (common, no threats)
Fraseria albicaulis var. *idahoensis* (common, no threats)
Lupinus lyallii ssp. *alcis-temporis* (syn. *L. lepidus* var. *lobbii*, which is common in Idaho)
Penstemon leonardii var. *leonardii* (common, no threats)

ANIMALS (cont.)

AGENCY: Idaho Department of Fish and Game (IDFG)

CLASSIFICATION: Threatened and Endangered Wildlife, Protected Nongame Wildlife

DEFINITIONS:

Threatened Species - Any species likely to be classified as Endangered within the foreseeable future throughout all or a significant portion of its Idaho range.

Endangered Species - Any species in danger of extinction throughout all or a significant portion of its Idaho range.

REGULATIONS: No person shall take or possess those species of wildlife classified as Protected Nongame Species or Threatened or Endangered Wildlife at any time or in any manner, except as provided in Sections 36-106(e)5 and 36-1107, *Idaho Code*, or by Commission regulation.

Threatened Species:

"Spring" and "Summer" Chinook Salmon (*Oncorhynchus tshawytscha*)
Burbot (*Lota lota*)
Grizzly Bear (*Ursus arctos*)

Endangered Species:

Pacific Lamprey (*Lampetra tridentata*)
White Sturgeon (Kootenai River) (*Acipenser transmontanus*)
Sockeye Salmon (*Oncorhynchus nerka*)
"Fall" Chinook Salmon (*Oncorhynchus tshawytscha*)
Bonneville Cutthroat Trout (*Oncorhynchus clarki utah*)
Whooping Crane (*Grus americana*)
Peregrine Falcon (*Falco peregrinus*)
Bald Eagle (*Haliaeetus leucocephalus*)
Gray Wolf (*Canis lupus*)
Caribou (*Rangifer tarandus*)

Protected Nongame Wildlife Species

All birds except:

Feral Pigeon (*Columba livia*)
American Crow (*Corvus brachyrhynchos*)
European Starling (*Sturnus vulgaris*)
House Sparrow (*Passer domesticus*)

Mammals:

Pika (*Ochotona princeps*)
Least Chipmunk (*Tamias minimus*)
Yellow-pine Chipmunk (*Tamias minimus*)
Red-tailed Chipmunk (*Tamias ruficaudus*)
Golden-mantled Ground Squirrel (*Spermophilus lateralis*)
Red Squirrel (*Tamiasciurus hudsonicus*)
Bison (*Bison bison*)

AGENCY: U. S. D. I. Fish and Wildlife Service (USFWS)

CLASSIFICATION: Threatened and Endangered Species, Candidates for Threatened and Endangered Species Status

DEFINITION: See pages 3-4 of this booklet.

THREATENED (LT) AND ENDANGERED (LE) SPECIES:

<u>Taxon</u>	<u>Status</u>
Bald Eagle (<i>Haliaeetus leucocephalus</i>)	LE
Peregrine Falcon (<i>Falco peregrinus</i>)	LE
Whooping Crane (<i>Grus americana</i>)	LE
Gray Wolf (<i>Canis lupus</i>)	LE
Grizzly Bear (<i>Ursus arctos</i>)	LT
Woodland Caribou (<i>Rangifer tarandus caribou</i>)	LE
Sockeye Salmon (<i>Oncorhynchus nerka</i>) ¹	LE
Chinook Salmon (<i>Oncorhynchus tshawytscha</i>) ²	PT

CANDIDATE SPECIES:

White Sturgeon (<i>Acipenser transmontanus</i>)(Kootenai River population only)	C1
Bull Trout (<i>Salvelinus confluentus</i>)	C2
Bonneville Cutthroat Trout (<i>Oncorhynchus clarki utah</i>)	C2
Snake River Fine-spotted Cutthroat Trout (<i>Oncorhynchus clarki</i> ssp.)	C2
Redband Trout (<i>Oncorhynchus mykiss gibbsi</i>)	C2
Leatherside Chub (<i>Gila copei</i>)	C2
Wood River Sculpin (<i>Cottus leiopomus</i>)	C2
Spotted Frog (<i>Rana pretiosa</i>)	C2
White-faced Ibis (<i>Plegadis chihi</i>)	C2
Trumpeter Swan (<i>Cygnus buccinator</i>)	C2
Harlequin Duck (<i>Histrionicus histrionicus</i>)	C2
Northern Goshawk (<i>Accipiter gentilis</i>)	C2
Ferruginous Hawk (<i>Buteo regalis</i>)	C2
Columbian Sharp-tailed Grouse (<i>Tympanuchus phasianellus columbianus</i>)	C2
Mountain Quail (<i>Oreortyx pictus</i>)	C2
Black Tern (<i>Chlidonias niger</i>)	C2
Long-billed Curlew (<i>Numenius americanus</i>)	3c
Loggerhead Shrike (<i>Lanius ludovicianus</i>)	C2
Preble's Shrew (<i>Sorex preblei</i>)	C2
Pygmy Rabbit (<i>Brachylagus idahoensis</i>)	C2
Townsend's Big-eared Bat (<i>Plecotus townsendii townsendii</i>)	C2
Northern Idaho Ground Squirrel (<i>Spermophilus brunneus brunneus</i>)	C1

¹ Sockeye salmon were listed as Endangered under the Endangered Species Act during 1991 by the National Marine Fisheries Service.

² Chinook salmon were proposed for listing as Threatened by the National Marine Fisheries Service in 1991.

ANIMALS (cont.)

Southern Idaho Ground Squirrel (<i>Spermophilus brunneus endemicus</i>)	C2
North American Wolverine (<i>Gulo gulo luscus</i>)	C2
North American Lynx (<i>Felis lynx canadensis</i>)	C2

Invertebrates:

Idaho Pointheaded Grasshopper (<i>Acrolophitus punchellus</i>)	C2
Idaho Dunes Tiger Beetle (<i>Cicindela arenicola</i>)	C2
Blind Cave Leiodid Beetle (<i>Glacivicola bathyscoides</i>)	C2
California Floater (<i>Anodonta californiensis</i>)	C2
Utah Valvata Snail (<i>Valvata utahensis</i>)	PE
Columbia Pebblesnail (<i>Fluminicola columbianus</i>)	C2
Bliss Rapids Snail (undescribed species)	PE
Bruneau Hot Springs Snail (undescribed species)	PE
Idaho Springsnail (<i>Pyrgulopsis idahoensis</i>)	PE
Shortface Lanx (<i>Fisherola nuttalli</i>)	3c
Banbury Springs Limpet (<i>Lanx</i> sp.)	PE
Snake River Physa Snail (<i>Physa natricina</i>)	PE
Marbled Disc (<i>Discus marmorensis</i>)	C2
Mission Creek Oregonian (<i>Cryptomastix magnidentata</i>)	C2
Idaho Banded Mountainsnail (<i>Oreohelix idahoensis</i>)	C2
Boulder Pile Mountainsnail (<i>Oreohelix jugalis</i>)	C2
Carinated Striate Banded Mountainsnail (<i>Oreohelix strigosa goniogyra</i>)	C2
Whorled Mountainsnail (<i>Oreohelix vortex</i>)	C2
Lava Rock Mountainsnail (<i>Oreohelix waltoni</i>)	C2

AGENCY: U. S. D. I. Bureau of Land Management (BLM)

CLASSIFICATION: Sensitive Species

DEFINITION: Sensitive species are those designated by the state director usually in cooperation with the state agencies responsible for managing the species as sensitive. They are those species that are 1) under status review by USFWS/NMFS; or 2) whose numbers are declining so rapidly that federal listing may become necessary; or 3) with typically small and widely dispersed populations; or 4) those inhabiting ecological refugia or other specialized or unique habitats.

Source: BLM Manual 6840 9/16/88

SENSITIVE SPECIES

Fish:

White Sturgeon (*Acipenser transmontanus*)
Sockeye Salmon (*Oncorhynchus nerka*)
Chinook Salmon (*Oncorhynchus tshawytscha*)
Bonneville Cutthroat Trout (*Oncorhynchus clarki utah*)
Westslope Cutthroat Trout (*Oncorhynchus clarki lewisi*)
Bear Lake Cutthroat Trout (*Oncorhynchus clarki ssp.*)
Steelhead Trout (*Oncorhynchus mykiss*)
Redband Trout (*Oncorhynchus mykiss gibbsi*)
Shoshone Sculpin (*Cottus greeni*)
Wood River Sculpin (*Cottus leiopomus*)

Herptiles:

Coeur d'Alene Salamander (*Plethodon vandykei idahoensis*)
Roughskin Newt (*Taricha granulosa*)
Wood Frog (*Rana sylvatica*)
Ringneck Snake (*Diadophis punctatus*)
Night Snake (*Hypsiglena torquata*)
Longnose Snake (*Rhinocheilus lecontei*)
Western Ground Snake (*Sonora semiannulata*)

Birds:

White-faced Ibis (*Plegadis chihi*)
Trumpeter Swan (*Cygnus buccinator*)
Swainson's Hawk (*Buteo swainsoni*)
Ferruginous Hawk (*Buteo regalis*)
Merlin (*Falco columbarius*)
Gyr Falcon (*Falco rusticolus*)
Sharp-tailed Grouse (*Tympanuchus phasianellus*)
Northern Bobwhite (*Colinus virginianus*)
Gambel's Quail (*Callipepla gambelii*)
Mountain Quail (*Oreortyx pictus*)
Long-billed Curlew (*Numenius americanus*)
Burrowing Owl (*Athene cunicularia*)
Boreal Owl (*Aegolius funereus*)

ANIMALS (cont.)

Mammals:

Preble's Shrew (*Sorex preblei*)
Pygmy Shrew (*Sorex hoyi*)
Spotted Bat (*Euderma maculatum*)
Idaho Ground Squirrel (*Spermophilus brunneus*)
Kit Fox (*Vulpes macrotis*)
Fisher (*Martes pennanti*)
Wolverine (*Gulo gulo*)
River Otter (*Lutra canadensis*)
California Bighorn Sheep (*Ovis canadensis californiana*)

ANIMALS (cont.)

AGENCY: U. S. D. A. Forest Service (USFS)

CLASSIFICATION: Sensitive Species

DEFINITION: Those animal species identified by the Regional Forester for which population viability is a concern as evidenced by significant current or predicted downward trends in population numbers or density or significant current or predicted downward trends in habitat capability that would reduce a species' existing distribution.

Source: Forest Service Manual Title 2600

Region 1 USFS list revised May, 1991.

Region 4 USFS list implemented August, 1990.

SENSITIVE SPECIES - REGIONS 1 AND 4 NATIONAL FORESTS IN IDAHO

	<u>R1</u>	<u>R4</u>
White Sturgeon (<i>Acipenser transmontanus</i>)	X	
Chinook Salmon - "Spring" and "Summer" (<i>Oncorhynchus tshawytscha</i>)	X	
Steelhead Trout (<i>Oncorhynchus mykiss</i>)	X	X
Westslope Cutthroat Trout (<i>Oncorhynchus clarki lewisi</i>)	X	X
Bonneville Cutthroat Trout (<i>Oncorhynchus clarki utah</i>)		X
Fine-spotted Cutthroat Trout (<i>Oncorhynchus clarki ssp.</i>)		X
Redband Trout (<i>Oncorhynchus mykiss gibbsi</i>)	X	
Bull Trout (<i>Salvelinus confluentus</i>)	X	X
Burbot (<i>Lota lota</i>)	X	
Shorthead Sculpin (<i>Cottus confusus</i>)	X	
Wood River Sculpin (<i>Cottus leiopomus</i>)		X
Torrent Sculpin (<i>Cottus rhotheus</i>)	X	
Coeur d'Alene Salamander (<i>Plethodon vandykei idahoensis</i>)	X	
Spotted Frog (<i>Rana pretiosa</i>)		X
Common Loon (<i>Gavia immer</i>)	X	X
Trumpeter Swan (<i>Cygnus buccinator</i>)	X	X
Harlequin Duck (<i>Histrionicus histrionicus</i>)	X	X
Northern Goshawk (<i>Accipiter gentilis</i>)		X
Sharp-tailed Grouse (<i>Tympanuchus phasianellus</i>)		X
Mountain Quail (<i>Oreortyx pictus</i>)	X	X
Flammulated Owl (<i>Otus flammeolus</i>)	X	X
Great Gray Owl (<i>Strix nebulosa</i>)		X
Boreal Owl (<i>Aegolius funereus</i>)	X	X
White-headed Woodpecker (<i>Picoides albolarvatus</i>)	X	X
Black-backed Woodpecker (<i>Picoides arcticus</i>)	X	
Three-toed Woodpecker (<i>Picoides tridactylus</i>)		X
Spotted Bat (<i>Euderma maculatum</i>)		X
Townsend's Big-eared Bat (<i>Plecotus townsendii</i>)	X	X
Northern Bog Lemming (<i>Synaptomys borealis</i>)	X	
Idaho Ground Squirrel (<i>Spermophilus brunneus</i>)		X
Fisher (<i>Martes pennanti</i>)	X	X
Wolverine (<i>Gulo gulo</i>)	X	X
Lynx (<i>Felis lynx</i>)	X	X

SUMMARY TABLE: RARE ANIMALS OF IDAHO. E = Endangered, T = Threatened, PT = Proposed Threatened, SSC = Species of Special Concern, C1 = Category 1 Candidate, C2 = Category 2 Candidate, LE = Listed Endangered, LT = Listed Threatened, S = Sensitive. See previous tables and text for a detailed explanation of these symbols.

Taxon	Heritage Rank	State Status	Federal Status	FS R1	FS R4	BLM
FISH						
Pacific Lamprey <i>Lampetra tridentata</i>	G5/S2	E				
White Sturgeon <i>Acipenser transmontanus</i>	G4/S1	SSC E=Kootenai R.	C1	S		S
Sockeye Salmon <i>Oncorhynchus nerka</i>	G5/S1	E	LE			S
Chinook Salmon <i>Oncorhynchus tshawytscha</i>	G5/S3	E=Fall T=Spring Summer	PT	S		S
Steelhead Trout <i>Oncorhynchus mykiss</i>	G5/S4	SSC		S	S	S
Redband Trout <i>Oncorhynchus mykiss gibbsi</i>	G3Q/S2	SSC	C2	S		S
Bull Trout <i>Salvelinus confluentus</i>	G4/S3	SSC	C2	S	S	
Westslope Cutthroat Trout <i>Oncorhynchus clarki lewisi</i>	G5T3/S2	SSC		S	S	S
Bonneville Cutthroat Trout <i>Oncorhynchus clarki utah</i>	G5T2/S1	E	C2		S	S
Yellowstone Cutthroat Trout <i>Oncorhynchus clarki bouveri</i>	G5T3/S2	SSC				
Bear Lake Cutthroat Trout <i>Oncorhynchus clarki ssp.</i>	G5T1/S1	SSC				S
Fine-spotted Cutthroat Trout <i>Oncorhynchus clarki ssp.</i>	G5T1/S1	SSC	C2		S	
Bear Lake Whitefish <i>Prosopium abyssiicola</i>	G1/S1	SSC				
Bonneville Cisco <i>Prosopium gemmiferum</i>	G1/S1	SSC				
Bonneville Whitefish <i>Prosopium spilonotus</i>	G1/S1	SSC				

ANIMALS (cont.)

Taxon	Heritage Rank	State Status	Federal Status	FS R1	FS R4	BLM
Leatherside Chub <i>Gila copei</i>	G4/S1	SSC	C2			S
Sand Roller <i>Percopsis transmontana</i>	G4/S1	SSC				
Burbot <i>Lota lota</i>	G5/S2	T		S		
Shorthead Sculpin <i>Cottus confusus</i>	G5/S5			S		
Bear Lake Sculpin <i>Cottus extensus</i>	G1/S1	SSC				
Shoshone Sculpin <i>Cottus greeniei</i>	G2/S2	SSC				S
Wood River Sculpin <i>Cottus leiopomus</i>	G2/S2	SSC	C2		S	S
Torrent Sculpin <i>Cottus rhotheus</i>	G5/S5			S		
AMPHIBIANS						
Coeur d'Alene Salamander <i>Plethodon idahoensis</i>	G3/S3	SSC		S		S
Wood Frog <i>Rana sylvatica</i>	G5/SH	SSC				S
Spotted Frog <i>Rana pretiosa</i>	G5/S5		C2		S	
Roughskin Newt <i>Taricha granulosa</i>	G5/SE					S
REPTILES						
Western Pond Turtle <i>Clemmys marmorata</i>	G5/S1	SSC				
Northern Alligator Lizard <i>Elgaria coerulea</i>	G5/S2	SSC				
Mojave Black-Collared Lizard <i>Crotaphytus bicinctores</i>	G5/S3	SSC				
Longnose Snake <i>Rhinocheilus lecontei</i>	G5/S3	SSC				S

ANIMALS (cont.)

Taxon	Heritage Rank	State Status	Federal Status	FS R1	FS R4	BLM
Western Ground Snake <i>Sonora semiannulata</i>	G5/S3	SSC				S
Ringneck Snake <i>Diadophis punctatus</i>	G5/S1	SSC				S
Night Snake <i>Hypsiglena torquata</i>	G5/S3					S
Smooth Green Snake <i>Opheodrys vernalis</i>	G5/SH?	SSC				
BIRDS						
Common Loon <i>Gavia immer</i>	G5/S1	SSC		S	S	
American White Pelican <i>Pelecanus erythrorhynchos</i>	G3/S1	SSC				
Great Egret <i>Casmerodius albus</i>	G5/S1	SSC				
White-faced Ibis <i>Plegadis chihi</i>	G5/S2		C2			S
Trumpeter Swan <i>Cygnus buccinator</i>	G4/S1	SSC	C2	S	S	S
Harlequin Duck <i>Histrionicus histrionicus</i>	G5/S1	SSC	C2	S	S	
Bald Eagle <i>Haliaeetus leucocephalus</i>	G3/S3	E	LE			
Northern Goshawk <i>Accipiter gentilis</i>	G4/S4		C2		S	
Swainson's Hawk <i>Buteo swainsoni</i>	G4/S4					S
Ferruginous Hawk <i>Buteo regalis</i>	G4/S3	SSC	C2			S
Merlin <i>Falco columbarius</i>	G4/S1	SSC				S
Peregrine Falcon <i>Falco peregrinus</i>	G3/S1	E	LE			

ANIMALS (cont.)

Taxon	Heritage Rank	State Status	Federal Status	FS R1	FS R4	BLM
Gyr Falcon <i>Falco rusticolus</i>	G5/SA					S
Sharp-tailed Grouse <i>Tympanuchus phasianellus</i>	G5/S2		C2		S	S
Mountain Quail <i>Oreortyx pictus</i>	G5/SE	SSC	C2	S	S	S
Northern Bobwhite <i>Colinus virginianus</i>	G5/SE					S
Gambel's Quail <i>Callipepla gambelii</i>	G5/SE					S
Whooping Crane <i>Grus americana</i>	G5/SE	E	LE			
Upland Sandpiper <i>Bartramia longicauda</i>	G5/S1	SSC				
Long-billed Curlew <i>Numenius americanus</i>	G5/S3		3c			S
Black Tern <i>Chlidonias niger</i>	G4/S2		C2			
Black-billed Cuckoo <i>Coccyzus erythrophthalmus</i>	G5/S1	SSC				
Yellow-billed Cuckoo <i>Coccyzus americanus</i>	G5/S1	SSC	3b			
Flammulated Owl <i>Otus flammeolus</i>	G4/S3	SSC		S	S	
Northern Pygmy-Owl <i>Glaucidium gnoma</i>	G5/S4	SSC				
Burrowing Owl <i>Athene cunicularia</i>	G5/S4					S
Barred Owl <i>Strix varia</i>	G5/S3	SSC				
Great Gray Owl <i>Strix nebulosa</i>	G5/S2	SSC			S	
Boreal Owl <i>Aegolius funereus</i>	G5/S2	SSC		S	S	S

ANIMALS (cont.)

Taxon	Heritage Rank	State Status	Federal Status	FS R1	FS R4	BLM
White-headed Woodpecker <i>Picoides albolarvatus</i>	G5/S2	SSC		S	S	
Black-backed Woodpecker <i>Picoides arcticus</i>	G5/S3			S		
Three-toed Woodpecker <i>Picoides tridactylus</i>	G5/S3	SSC			S	
Pygmy Nuthatch <i>Sitta pygmaea</i>	G5/S3	SSC				
Loggerhead Shrike <i>Lanius ludovicianus</i>	G5/S4		C2			
MAMMALS						
Preble's Shrew <i>Sorex preblei</i>	G4/S1	SSC	C2			S
Pygmy Shrew <i>Sorex hoyi</i>	G5/S1	SSC				S
Coast Mole <i>Scapanus orarius</i>	G5/S1	SSC				
Fringed Myotis <i>Myotis thysanodes</i>	G5/S1	SSC				
California Myotis <i>Myotis californicus</i>	G5/S1	SSC				
Spotted Bat <i>Euderma maculatum</i>	G4/SH	SSC	C2		S	S
Townsend's Big-eared Bat <i>Plecotus townsendii</i>	G4/S2	SSC	C2	S	S	
Western Pipistrelle <i>Pipistrellus hesperus</i>	G5/S1	SSC				
Pygmy Rabbit <i>Brachylagus idahoensis</i>	G5/S3		C2			
Cliff Chipmunk <i>Tamias dorsalis</i>	G7/S1	SSC				
Uinta Chipmunk <i>Tamias umbrinus</i>	G5/S1	SSC				

ANIMALS (cont.)

Taxon	Heritage Rank	State Status	Federal Status	FS R1	FS R4	BLM
Idaho Ground Squirrel <i>Spermophilus brunneus</i>	G2/S2	SSC	C1/C2		S	S
Rock Squirrel <i>Spermophilus variegatus</i>	G5/S1	SSC				
Northern Flying Squirrel <i>Glaucomys sabrinus</i>	G5/S4	SSC				
Dark Kangaroo Mouse <i>Microdipodops megacephalus</i>	G5/S1	SSC				
Little Pocket Mouse <i>Perognathus longinembris</i>	G5/S1	SSC				
Northern Bog Lemming <i>Synaptomys borealis</i>	G5/S1	SSC		S		
Gray Wolf <i>Canis lupus</i>	G4/S1	E	LE			
Kit Fox <i>Vulpes macrotis</i>	G5/SH	SSC				S
Grizzly Bear <i>Ursus arctos</i>	G4/S1	T	LT			
Fisher <i>Martes pennanti</i>	G5/S1	SSC		S	S	S
Wolverine <i>Gulo gulo</i>	G4/S2	SSC	C2	S	S	S
River Otter <i>Lutra canadensis</i>	G5/S4					S
Lynx <i>Felis lynx</i>	G5/S1	SSC	C2	S	S	
Woodland Caribou <i>Rangifer tarandus caribou</i>	G5/S1	E	LE			
California Bighorn Sheep <i>Ovis canadensis californiana</i>	G4/S3					S

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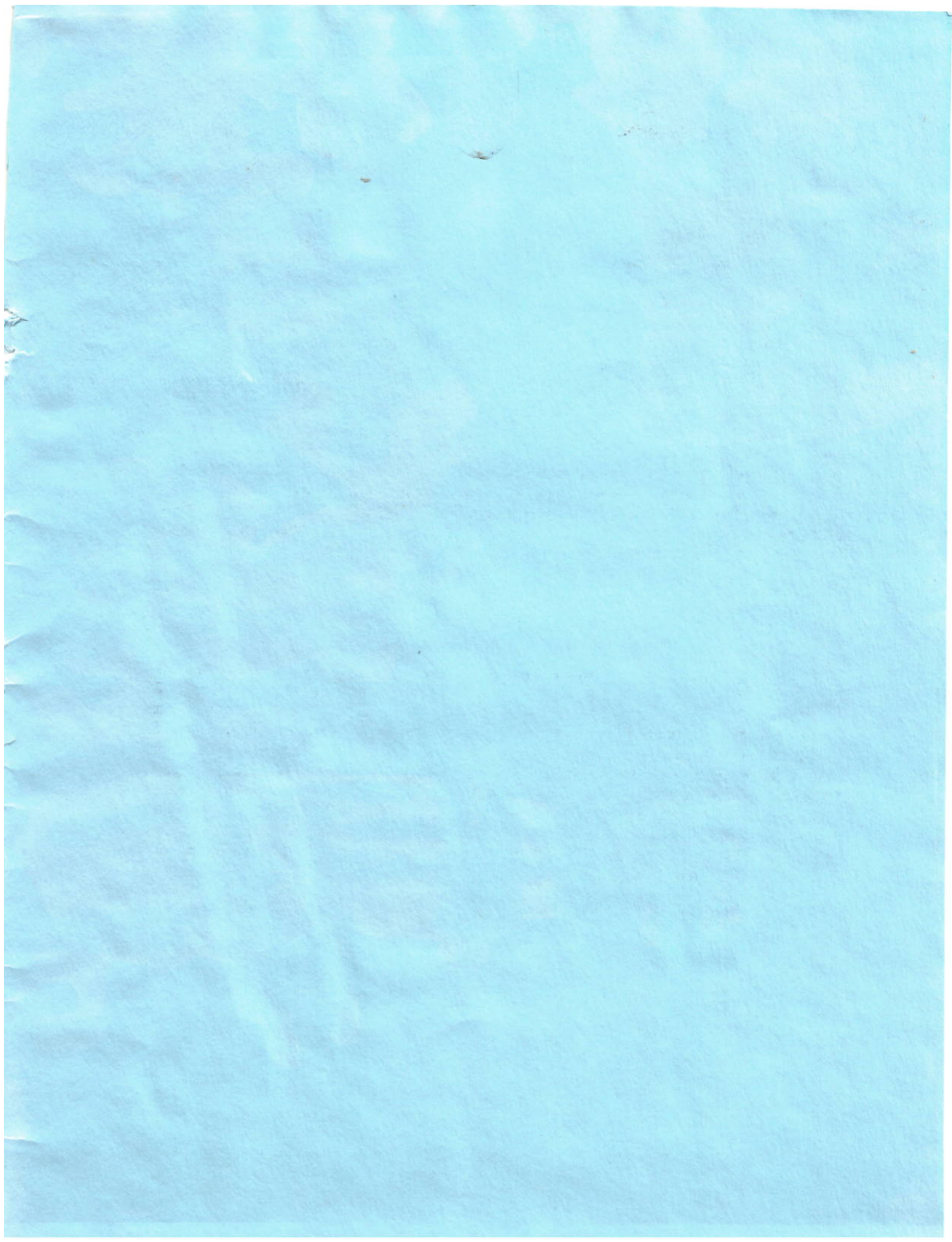
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