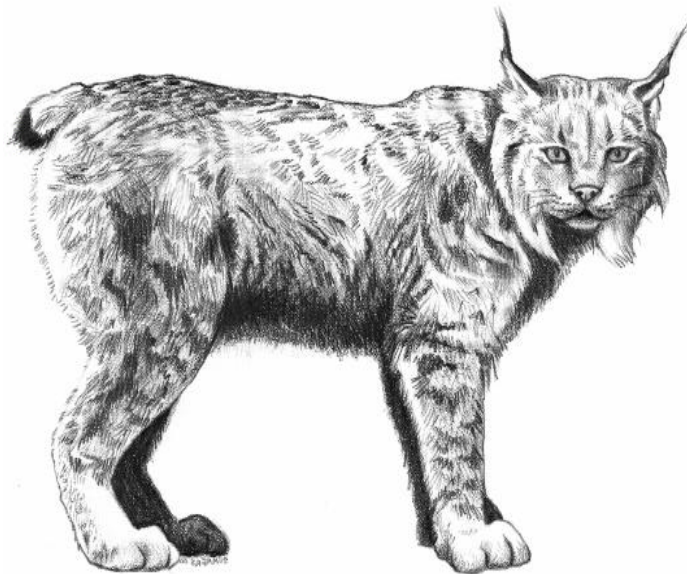
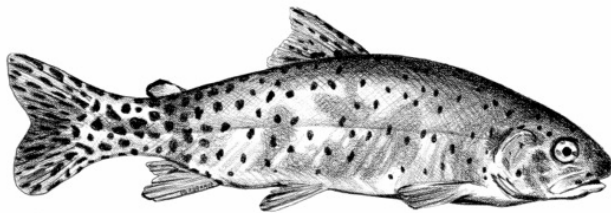
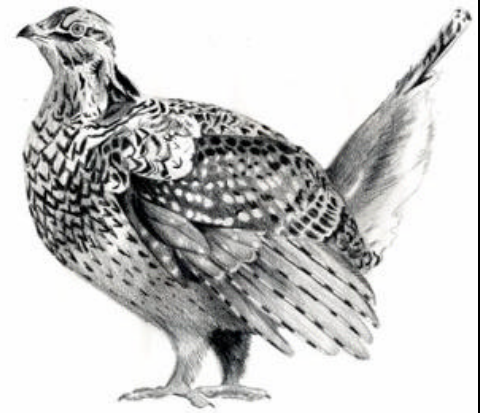


# Wyoming Plant and Animal Species of Concern

November 2003

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**Douglas Keinath, Zoologist**  
**Bonnie Heidel, Botanist**  
**Gary Beauvais, Director**

Wyoming Natural Diversity Database (WYNDD)  
University of Wyoming  
Department 3381 // 1000 E. University Avenue  
Laramie, Wyoming 82071

PHONE: 307 766-3023  
FAX: 307 766-3026

EMAIL: [wndd@uwyo.edu](mailto:wndd@uwyo.edu)  
HOMEPAGE: [www.uwyo.edu/WYNDD](http://www.uwyo.edu/WYNDD)

## INTRODUCTION

Interest in rare species has increased substantially over the past 40 years, and currently there is broad support for the conservation of rare plants and animals in North America. Natural resource managers, policy makers, and the public require an understanding of the identity, distribution, and abundance of rare species in order to develop effective conservation strategies. Such information is especially vital to management plans that strive to integrate the conservation of rare species with development of natural resources.

This publication provides the most complete information available on the status of rare vertebrate species and vascular plant species in Wyoming. It updates and replaces previous lists (Fertig and Beauvais 1999, Fertig and Heidel 2002), and documents 473 plants and 125 vertebrates of conservation and management concern in Wyoming. For each species, a summary of factors used in weighing species' status including distribution, abundance, trends, and intrinsic vulnerability, is also provided.

The Wyoming Natural Diversity Database (WYNDD) at the University of Wyoming serves as the information clearinghouse on species of concern in Wyoming. Professional biologists at WYNDD conduct primary field research, literature reviews, and information summaries to maintain a comprehensive database of information on rare plants and animals. Readers are encouraged to help in this effort and improve this list by submitting data on rare species to WYNDD. Rare species observation forms are included in this publication, and are also posted at [[www.uwyo.edu/wyndd](http://www.uwyo.edu/wyndd)].

*This document, supporting information, and staff contacts are available at: [www.uwyo.edu/wyndd](http://www.uwyo.edu/wyndd)  
All parties are encouraged to contact WYNDD with comments, new data, or requests for the most current status information.*

## CHANGES FROM PREVIOUS LISTS

The ranks, statuses, and known distributions of rare species are dynamic due to ongoing research and re-examination of existing data. Differences in these items relative to previous lists reflect WYNDD's ongoing efforts to maintain comprehensive and current information. New species added since 1999 (animals) or 2002 (plants), and any changes in ranks, counties, or managed areas, are indicated in bold. Brackets enclosing species names indicate recent synonyms.

The animal portion of this list represents a major improvement over previous versions. It employs a more systematic and replicable ranking procedure, which is explained in detail in Keinath and Beauvais (2003). A

similar ranking procedure was employed in the 2002 plant list (Fertig and Heidel 2002) with minor revisions in this 2003 application.

The enclosed animal and plant lists introduce the Wyoming Contribution Rank, which provides more precise information on how Wyoming populations of a given taxon contribute to the rangewide persistence of that taxon. Details of this ranking system are in Keinath and Beauvais (2003) and Fertig and Heidel (2003).

The list format has been changed to provide readers with more species-specific information while still maintaining a concise layout. For each species we have included information on range context, abundance, vulnerability, and other factors that contribute to the status ranks. We also provide a more complete listing of species' statuses as determined by other organizations. For example, we now denote which species have been recently petitioned for listing under the Endangered Species Act.

Both the plant and animal lists are organized into a series of sub-lists:

**Species of Concern:** These are taxa that WYNDD has determined to be of conservation concern within the state of Wyoming. These taxa exhibit a combination of biological factors that predispose them to decline or potential extirpation from the state. Many of these taxa are also given special statuses by federal and state agencies.

**Species of Potential Concern:** These are taxa for which there is some evidence suggesting a moderate degree conservation concern, including species that are locally common but occupy a restricted range that is vulnerable to landscape changes. For animals, this list also includes species for which basic biological information is anecdotal, incomplete, or otherwise lacking in the detail needed for a reliable assessment and ranking. Also, some animals on this list may also have taxonomic questions yet to be resolved. WYNDD often collects data opportunistically for species of potential concern, but focuses most of its efforts on species of known concern.

**Species of Uncertain Status:** These are plant taxa that may warrant conservation attention but for which there are substantial questions regarding taxonomy, identification, or continued occurrence in the state.

**Dropped:** These taxa appeared on previous Species of Concern or Species of Potential Concern Lists, but have been dropped from this 2003 version. Taxa are usually dropped when new data or re-examination of older data indicates a lessening in their degree of conservation concern.

## CODES AND DEFINITIONS

**Heritage Rank:** WYNDD uses a standardized ranking system originally developed by The Nature Conservancy and its network of natural heritage programs (now coordinated by NatureServe [Arlington, Virginia]) to indicate the probability of extinction, at both the global and state scales, of each plant and animal taxon. The following letters denote the spatial scale at which a taxon's status is scored :

- G = Global rank: refers to the range-wide probability of extinction for a species
- T = Trinomial rank: refers to the range-wide probability of extinction for a subspecies or variety
- S = State rank: refers to probability of extinction from WY for a given taxon

These letters are each followed by a numeric, 1-5 score:

- 1 = Critically imperiled because of extreme rarity (often <5 extant occurrences) or because some factor makes it highly vulnerable to extinction
- 2 = Imperiled because of rarity (often 6-20 extant occurrences) or because of factors making it vulnerable to extinction
- 3 = Rare or local throughout its range or found locally in a restricted range (often 21-100 known occurrences)
- 4 = Apparently secure, although it may be quite rare in parts of its range, especially at the periphery
- 5 = Demonstrably secure, although it may be rare in parts of its range, especially at the periphery

Some taxa receive non-numeric scores, indicating special situations:

- H = Known only from historical records (typically pre-1970; varies by taxon)
- A = Accidental or vagrant: taxon appears irregularly and infrequently; *typically applied only to animals*
- X = Believed to be extinct
- U = Uncertain status: taxon possibly in peril but more information is needed

Some taxa may also receive rank modifiers, indicating other special situations:

- B = Breeding rank: indicates the status of a migratory species during the breeding season; *applied only to animals*
- N = Non-breeding rank: indicates the status of a migratory species during the non-breeding season; *applied only to animals*

- Z = Rank not applicable: indicates that a migratory species is essentially absent or unrankable for the season in question (used with "B" or "N"); *applied only to animals*
- Q = Questions exist regarding the taxonomic validity of a species, subspecies, or variety
- ? = Questions exist regarding the assigned numeric score

**Wyoming Contribution Rank:** WYNDD has developed a ranking system that indicates the contribution of WY populations of a taxon to the rangewide persistence of that taxon.

Very High = WY populations contribute greatly to the taxon's rangewide persistence. Typically applies to native, resident taxa with small continental ranges that are centered on WY

High = In combination with populations in adjacent states, WY populations contribute substantially to the taxon's rangewide persistence. Typically applies to native, resident taxa that are more secure in WY than elsewhere and have a moderate proportion of their continental range in WY

Medium = WY populations contribute to the taxon's rangewide persistence, but are apparently no more critical than populations in other states. Typically applies to native, resident taxa that are as secure in WY as elsewhere and have a moderate proportion of their continental range in WY

Low = WY populations contribute minimally to the taxon's rangewide persistence. Typically applies to taxa that are more prevalent and secure in other states, and occur only intermittently or peripherally in WY

## Federal Status:

US Fish and Wildlife Service (USFWS): The Endangered Species Act of 1973 directs the USFWS to identify and protect rare plants and animals. The following categories are currently used to rank listed and candidate species. The candidate system was revised in 1996, eliminating the old categories of C2 and 3C.

Endangered: In danger of extinction. For plants this applies to all of a taxon's range; for animals this may apply to only a portion of a taxon's range

Threatened: Likely to become Endangered in the near future. For plants this applies to all of a taxon's range; for animals this may apply to only a portion of a taxon's range

Proposed De-list: Formally proposed for de-listing from Endangered or Threatened status; awaiting final rule

Proposed: Formally proposed for listing as Endangered or Threatened; awaiting final rule

Candidate (formerly C1): Existing biological information supports a formal proposal to list as Endangered or Threatened, but developing a listing regulation is precluded by higher priority listing activities.

Recent De-list: Recently de-listed from Endangered or Threatened status

Listing Denied: A formal proposal for listing as Endangered or Threatened was recently denied

Petitioned: A petition to list as Endangered or Threatened has been received by USFWS; awaiting USFWS review

USDA Forest Service (USFS): USFS has adopted policies to ensure that agency actions do not drive rare taxa towards listing as Threatened or Endangered under the Endangered Species Act.

USFS Region 2 and Region 4 have developed lists of "Sensitive Species" that warrant special attention on USFS lands (USDA FS 1991, 1994, 2003). Sensitive species are defined as "plant and animal species identified by the Regional Forester for which population viability is a concern as evidenced by: (a) significant current or predicted downward trends in population numbers or density, and/or (b) significant current or predicted downward trends in habitat capability that would reduce a species' existing distribution." Sensitive species are usually designated for an entire region, but independent "Forest Sensitive" lists are maintained by some individual National Forests. The following codes are used to represent sensitive species designations by USFS:

USFS R2 Sensitive: Sensitive in Bighorn, Black Hills, Medicine Bow, and Shoshone National Forests, and the Thunder Basin National Grassland

USFS R4 Sensitive: Sensitive in Bridger-Teton, Caribou, Targhee, Wasatch-Cache, and Ashley (including Flaming Gorge National Recreation Area) National Forests

USDI Bureau of Land Management (BLM): BLM has adopted policies to ensure that agency actions do not drive rare taxa towards listing as Threatened or Endangered under the Endangered Species Act.

The BLM Wyoming State Office has established a list of "Sensitive Species" warranting special attention on BLM lands (USDI BLM 2001, 2002). BLM Sensitive species are "species that could easily become endangered or extinct in the state", including (a) species under status review by the FWS/ National Marine and Fisheries Service, (b) species whose numbers are declining so rapidly that Federal listing may become necessary, (c) species with typically small or fragmented populations, and (d) species inhabiting specialized refugia or other unique habitats. The following code is used to represent sensitive species designations by BLM:

WY BLM Sensitive: Sensitive in all Wyoming BLM Field Offices

**State Status:** *The text below applies only to animals. At this time there is no system used by the state of WY to indicate the status of rare native plants.*

Wyoming Game and Fish Department (WGF): The WGF uses a 1-4 "Native Species Status" score to rank the status of vertebrate species:

NSS1 = Populations greatly restricted or declining, extirpation possible -OR- Ongoing significant loss of habitat

NSS2 = Populations declining, extirpation possible; habitat restricted or vulnerable but no recent or ongoing significant loss; species likely sensitive to human disturbance -OR- Populations declining or restricted in numbers or distribution, extirpation not imminent; ongoing significant loss of habitat

NSS3 = Populations greatly restricted or declining, extirpation possible; habitat not restricted, vulnerable but no loss; species not sensitive to human disturbance -OR- Populations declining or restricted in numbers or distribution, extirpation not imminent; habitat restricted or vulnerable but no recent or ongoing significant loss; species likely sensitive to human disturbance -OR- Species widely distributed; population status or trends unknown but suspected to be stable; on-going significant loss of habitat

NSS4 = Populations greatly restricted or declining, extirpation possible; habitat stable and not restricted -OR- Populations declining or restricted in numbers or distribution, extirpation not imminent; habitat not restricted, vulnerable but no loss; species not sensitive to human disturbance -OR- Species widely distributed, population status or trends unknown but suspected to be stable; habitat restricted or vulnerable but no recent or on-going significant loss; species likely sensitive to human disturbance -OR-

Populations stable or increasing and not restricted in numbers or distribution; on-going significant loss of habitat

**County:** WY counties in which rare species occur. Vague or unsubstantiated county records are indicated by "?". County names in brackets indicate former range of now extinct taxa. Records for Yellowstone Nat'l Park are listed by Park or Teton County.

ALB	Albany	NAT	Natrona
BIG	Big Horn	NIO	Niobrara
CAM	Campbell	PAR	Park
CAR	Carbon	PLA	Platte
CON	Converse	SHE	Sheridan
CRO	Crook	SUB	Sublette
FRE	Fremont	SWE	Sweetwater
GOS	Goshen	TET	Teton
HOT	Hot Springs	UIN	Uinta
JOH	Johnson	WAS	Washakie
LAR	Laramie	WES	Weston
LIN	Lincoln		

**Managed Area :** Codes show federal and state managed areas in which rare plants are known to occur. Blank entries indicate that a species is known only from other state or privately owned lands. Vague or unsubstantiated records are indicated by "?". Codes are as follows:

AFB =	Air Force Base
BLM =	Bureau of Land Management
NF =	National Forest
NG =	National Grassland
NHS =	National Historic Site
NM =	National Monument
NP =	National Park
NRA =	National Recreation Area
NWR =	National Wildlife Refuge
SP =	State Park

In addition, records reported from Wind River Indian Reservation are indicated by:

IR =	Indian Reservation
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**Range context:** The extent and position of a taxon's continental range relative to WY.

Local endemic: continental range is no larger (approx.) than Natrona Co., WY (72 X 72 mi)

Regional endemic: continental range is no larger (approx.) than the state of WY

Widespread: continental range is much larger than the state of WY

Core: WY encompasses >50% of the continental range

Edge: WY encompasses <50% of the continental range

Disjunct: WY populations are widely isolated (by about 300 mi or more) from the main, contiguous portion of the continental range

**Number of Occurrences:** Number of extant (documented since 1970) and discrete reproductive populations of a rare plant in WY.

Very Low	= 1-5 occurrences
Low	= 6-20 occurrences
Moderate	= 21-75 occurrences
High	= >75 occurrences
Unknown	

**Abundance:** Number of individuals, or area of occupied habitat, of a rare plant in WY.

Rare = <5000 individuals or <500 occupied ac.

Uncommon = 5000-50000 individuals or 500-5000 occupied ac.

Unknown

**Trend:** Change in number of individuals, occurrences, or area of occupied habitat. *Historical* refers roughly to the period 1850 - 1950. *Recent* generally refers to the period since 1950.

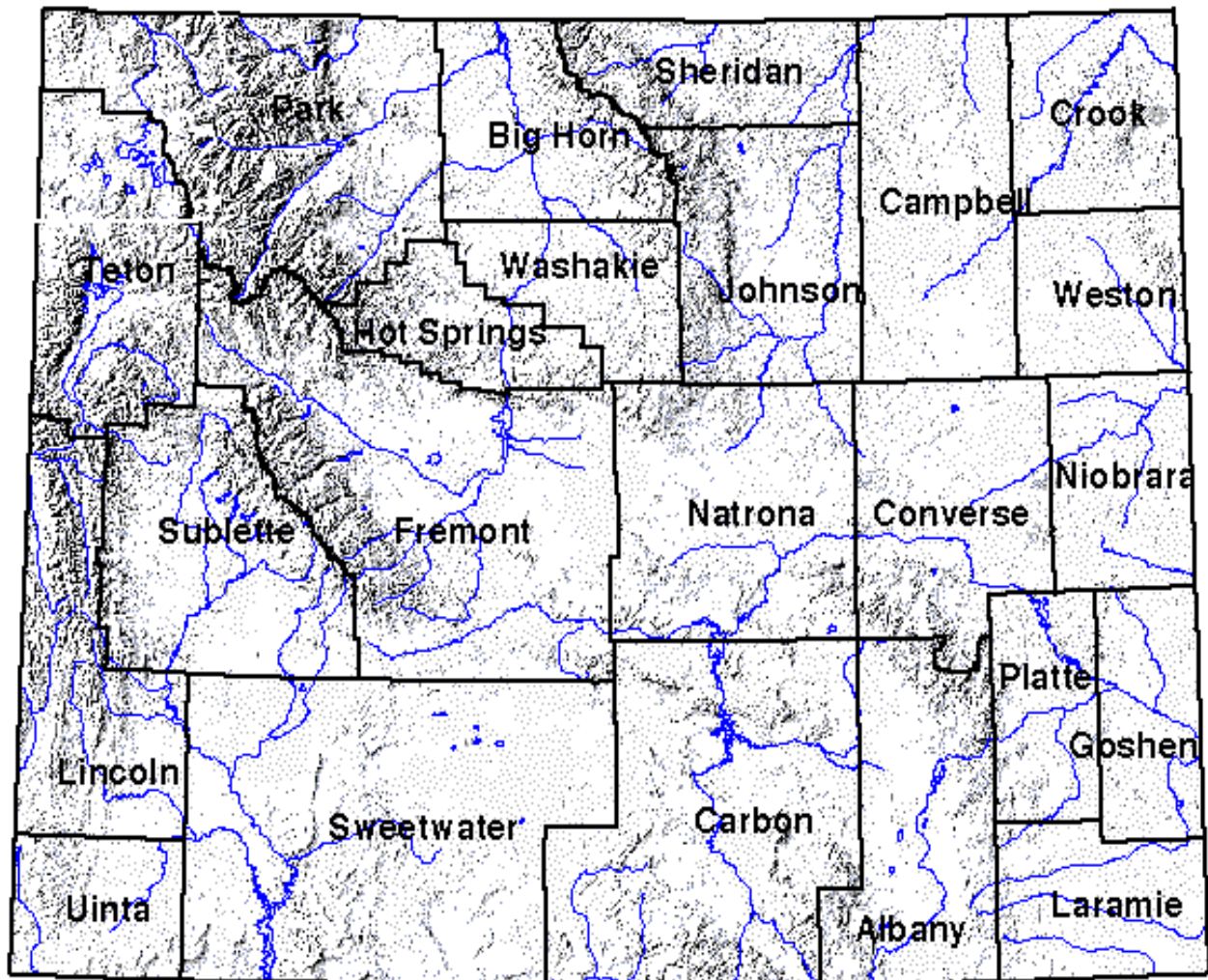
Large decline = >50% decline in numbers, occurrences, or area

Moderate decline = <50% decline in numbers, occurrences, or area

Stable = no substantial decline or increase

Increase = any substantial increase in individuals, occurrences, or area

Unknown



**Intrinsic Vulnerability:** The susceptibility of a taxon to decline due to inherent biological factors. Such factors include fecundity, population density, dispersal ability, pollinator limitations, competitive ability, likelihood of hybridization, and habitat specialization. Intrinsic vulnerability is scored with an emphasis on conditions in Wyoming that may represent a subset of rangewide conditions.

High = Taxon restricted to 1 rare habitat type -OR- exhibits at least 2 of the following characteristics: very low population density, very low dispersal ability, very low fecundity, pollinator limitations, predisposition to disease

Moderate = Taxon restricted to 2-4 habitat types -OR- exhibits at least 1 of the following characteristics: very low population density, very low dispersal ability, very low fecundity, pollinator limitations, predisposition to disease

Low = Taxon occurs in a variety of habitat types (usually all within 1 biome) -OR- has no life history traits that predisposes it to declines resulting from moderate environmental changes

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## Plant Species of Concern

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Abies concolor</i> White fir	G5/S1		SWE, UIN?	Rock Springs BLM Wasatch-Cache NF?	Widespread/ Edge	Very Low	Rare	Unknown	Stable?	Moderate	Low
<i>Abronia ammophila</i> Yellowstone sand verbena	G1/S1		PAR, TET	Yellowstone NP	Local Endemic/ Core	Very Low	Rare	Large Decline	<b>Moderate Decline?</b>	High	Very High
<i>Achnatherum nevadense</i> [ <i>Stipa nevadensis</i> ] Nevada needlegrass	G4/S1		CAR, FRE	Lander BLM Rawlins BLM Rock Springs BLM	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Achnatherum scribneri</i> [ <i>Stipa scribneri</i> ] Scribner needlegrass	G4/S1		LAR		Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Achnatherum swallenii</i> [ <i>Oryzopsis swallenii</i> ] Swallen mountain -ricegrass	G4/S2		LIN, SUB	Kemmerer BLM Pinedale BLM Rock Springs BLM	Regional Endemic/ Edge	Low	Uncommon	Unknown	Stable?	Moderate	Medium
<i>Adiantum aleuticum</i> [ <i>Adiantum pedatum</i> ] Aleutian maidenhair	G5?/ S1		TET	Grand Teton NP Yellowstone NP	Disjunct	Very Low	Uncommon	Unknown	Stable?	<b>Low</b>	High
<i>Adoxa moschatellina</i> Moschatel	G5/S2		ALB, CRO, PAR, SHE, WAS	Bighorn NF Black Hills NF Medicine Bow NF? Shoshone NF Yellowstone NP	<b>Disjunct</b>	Low	Rare	Unknown	Stable?	High	High
<i>Agalinis tenuifolia</i> var. <i>parviflora</i> Slender false -foxglove	G5T4/ S1		GOS, NIO, PLA	Ft. Laramie NHS	Widespread/ Edge	Very Low	<b>Uncommon</b>	Moderate Decline?	Unknown	Moderate	Low
<i>Agrostis mertensii</i> [ <i>Agrostis borealis</i> ] Northern bentgrass	G5/S1		ALB, PAR	Medicine Bow NF Shoshone NF Yellowstone NP	Disjunct	Very Low	Unknown	Unknown	Stable?	Moderate	High
<i>Agrostis oregonensis</i> Oregon bentgrass	G4/ S1?		PAR, TET	Bridger-Teton NF? Grand Teton NP? Shoshone NF Yellowstone NP	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	High
<i>Agrostis rossiae</i> Ross bentgrass	G1/S1		TET	Yellowstone NP	Local Endemic/ Core	Very Low	Rare	Moderate Decline	Moderate Decline?	High	Very High
<i>Aletes humilis</i> Larimer aletes	G2G3 /SH		ALB		Regional Endemic/ Edge	Very Low	Unknown	Unknown	Unknown	High	High
<i>Amerorchis rotundifolia</i> [ <i>Orchis rotundifolia</i> ] Round-leaved orchid	G5/S1	USFS R2 Sensitive	PAR	Shoshone NF	<b>Disjunct</b>	Very Low	Rare	Unknown	Moderate Decline?	High	High
<i>Ammannia robusta</i> Robust toothcup	G5/S1		WES		Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Androsace chamaejasme</i> ssp. <i>carinata</i> [ <i>A. lehmanniana</i> ] Sweet-flowered rock -jasmine	G5T4/ S1S2	USFS R4 Sensitive	FRE, HOT, PAR, TET	Cody BLM? Shoshone NF Targhee NF Yellowstone NP?	Widespread/ Edge	Low	Uncommon	Unknown	Stable	Moderate	Low
<i>Androstephium breviflorum</i> Purple funnel-lily	G5/S1		CAR, SWE	Rawlins BLM	Widespread/ Edge	Very Low	Uncommon	Unknown	Unknown	Moderate	Low
<i>Anemone lyallii</i> <b>Lyall's wood anemone</b>	<b>G5/S1</b>		<b>TET</b>	<b>Targhee NF</b>	<b>Disjunct</b>	<b>Very Low</b>	<b>Unknown</b>	<b>Unknown</b>	<b>Unknown</b>	<b>Moderate ?</b>	<b>High</b>
<i>Anemone narcissiflora</i> ssp. <i>zephyra</i> Zephyr windflower	G5T4/ S1		BIG, JOH, SHE	Bighorn NF	Regional Endemic/ Edge	Very Low	Uncommon	Stable?	Stable	Moderate	Medium



## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Antennaria arcuata</i> Meadow pussytoes	G2/S2	USFS R4 Sensitive WY BLM Sensitive	FRE, SUB	Lander BLM Pinedale BLM Rock Springs BLM	Regional Endemic/ Core	Moderate	Uncommon	Moderate Decline	Stable	Moderate	Very High
<i>Antennaria flagellaris</i> Stoloniferous pussytoes	G5?/ S1S2		PAR, TET	Shoshone NF Yellowstone NP	Disjunct	Low	Unknown	Unknown	Unknown	Moderate	High
<i>Antennaria monocephala</i> Single-head pussytoes	G4G5 /S1		FRE, JOH, PAR, SUB, TET	Bighorn NF Bridger-Teton NF Shoshone NF Targhee NF	Widespread/Edge	Low	Rare	Stable?	Stable	Moderate	Low
<i>Aquilegia brevistyla</i> Small-flower columbine	G5/S1	<b>USFS R2 Sensitive</b>	PAR?, WES	Black Hills NF Newcastle BLM Shoshone NF?	Disjunct	Very Low	Unknown	Moderate Decline?	Unknown	Moderate	Medium
<i>Aquilegia formosa</i> var. <i>formosa</i> Crimson columbine	G5T5/ SH		PAR?	Shoshone NF? Yellowstone NP?	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Aquilegia laramiense</i> Laramie columbine	G2/S2	USFS R2 Sensitive WY BLM Sensitive	ALB, CON	Medicine Bow NF Rawlins BLM?	Local Endemic/ Core	<b>Moderate</b>	Rare	<b>Stable?</b>	Stable?	High	Very High
<i>Arceuthobium douglasii</i> Douglas-fir dwarf-mistletoe	G5/S1		LIN, TET	<b>Bridger-Teton NF</b> Targhee NF	Widespread/ Edge	Very Low	Uncommon	Moderate Decline?	Unknown	High	Low
<i>Arctous rubra</i> [ <i>Arctostaphylos rubra</i> ] Red manzanita	G5/S1		PAR	Shoshone NF	Disjunct	Very Low	Rare	Unknown	Stable?	Moderate	High
<i>Argyrochosma fendleri</i> [ <i>Notholaena fendleri</i> ] Fendler's false cloak-fern	G3/S1		LAR		Widespread/ Edge	Very Low	Rare	Unknown	Stable?	Moderate	High
<i>Aristida curtissii</i> [ <i>Aristida basiramea</i> var. <i>curtissii</i> ] Curtis' three-awn	G5T5/ S1		CRO?, WES		Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Aristida oligantha</i> Prairie three-awn	G5/S1		WES	Thunder Basin NG	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Arnica angustifolia</i> var. <i>tomentosa</i> [ <i>Arnica alpina</i> var. <i>tomentosa</i> ] Alpine arnica	G5T5/ S1		FRE	Shoshone NF	Widespread/ Edge	Very Low	Rare	Stable?	Stable	Moderate	Low
<i>Arnica lonchophylla</i> Northern arnica	G4/S2		BIG, JOH, SHE	Bighorn NF Buffalo BLM	Disjunct	Moderate	Uncommon	Stable?	Stable?	Moderate	High
<i>Artemisia biennis</i> var. <i>diffusa</i> Mystery wormwood	G5T1 Q/S1	WY BLM Sensitive	SWE		Regional Endemic/ core?	Very Low	Rare	Unknown	Large Decline	High	Very High
<i>Artemisia porteri</i> Porter's sagebrush	G2/S2	WY BLM Sensitive	FRE, JOH, NAT	Buffalo BLM Casper BLM Lander BLM	Local Endemic/ Core	Low	Uncommon	Unknown	Stable?	High	Very High
<i>Asclepias arenaria</i> Sand milkweed	G5/S1		GOS	Casper BLM	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	High	Low
<i>Asclepias engelmanniana</i> Engelmann's milkweed	G5/S1		GOS		Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Asclepias hallii</i> Hall's milkweed	G3/ SH		ALB	Rawlins BLM?	Widespread/ Edge	Very Low	Unknown	Moderate Decline?	Unknown	Moderate	High
<i>Asclepias subverticillata</i> Bedstraw milkweed	G4G5 /SH		CAR	Rawlins BLM?	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Low	Low
<i>Asclepias uncialis</i> Dwarf milkweed	G3?/ SH	USFS R2 Sensitive	SWE?	Rock Springs BLM? Seedskaadee NWR?	Disjunct	Very Low	Unknown	Moderate Decline?	Unknown	High	High
<i>Asclepias verticillata</i> Whorled milkweed	G5/S1		CRO	Devils Tower NM	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Aspidotis densa</i> [ <i>Cryptogramma densa</i> ] Pod-fem	G5/S1		TET	Grand Teton NP	Widespread/ Edge	Very Low	Rare	Unknown	Stable?	High	Low
<i>Asplenium trichomanes</i> Maidenhair spleenwort	G5/S1		ALB, NAT	Medicine Bow NF	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	High	Low
<i>Asplenium trichomanes-ramosum</i> [ <i>Asplenium viride</i> ] Green spleenwort	G4/S2		CAR, SHE, SUB, TET, WAS	Bighorn NF Bridger-Teton NF Medicine Bow NF Targhee NF	Disjunct	Low	Rare	Unknown	Stable?	Moderate	High
<i>Astragalus barrii</i> [ <i>Orophaca barrii</i> ] Barr's milkvetch	G3/S3	<b>USFS R2 Sensitive</b>	CAM, CON, JOH, NAT, NIO, SHE, WES	Buffalo BLM Casper BLM Newcastle BLM Thunder Basin NG	Regional Endemic/ Core	Moderate	Uncommon	Moderate Decline	Moderate Decline?	Moderate	High
<i>Astragalus bisulcatus</i> var. <i>haydenianus</i> Hayden's milkvetch	G5T4 ?/ S1?		CAR, FRE?, LIN?, SWE, UIN	Lander BLM Kemmerer BLM Rawlins BLM Rock Springs BLM	Widespread/ Edge	Low?	Unknown	Unknown	Unknown	Moderate	Low
<i>Astragalus calycosus</i> var. <i>calycosus</i> King's milkvetch	G5T4 ?/ S1S2		LIN, SWE, UIN	Kemmerer BLM	Widespread/ Edge	Low	Rare	Unknown	Stable?	Moderate	Low
<i>Astragalus coltonii</i> var. <i>moabensis</i> Moab milkvetch	G4T3 ?/ S2		SWE, UIN	Kemmerer BLM Rock Springs BLM	Regional Endemic/ Edge	Low	Uncommon	Unknown	Stable?	Moderate	Medium
<i>Astragalus diversifolius</i> Meadow milkvetch	G3/ SH	USFS R4 Sensitive	<b>SWE?</b>	<b>Rock Springs BLM? Seedskaadee NWR?</b>	Regional Endemic/ Edge	Unknown	Unknown	Large Decline?	Unknown	High	High
<i>Astragalus gilviflorus</i> var. <i>purpureus</i> [ <i>Orophaca triphylla</i> var. <i>purpurea</i> ] Dubois milkvetch	G5T2/ S2	WY BLM Sensitive	FRE	Lander BLM Shoshone NF Wind River IR	Local Endemic/ Core	Low	Uncommon	Unknown	Stable	High	Very High
<i>Astragalus jejunus</i> var. <i>articulatus</i> Hyattville milkvetch	G3T1/ S1	WY BLM Sensitive	BIG	Worland BLM	Local Endemic/ Core	Very Low	Rare	Unknown	Moderate Decline?	High	Very High
<i>Astragalus lentiginosus</i> var. <i>salinus</i> Sodaville milkvetch	G5T5/ S1		LIN, UIN	Fossil Butte NM Kemmerer BLM	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	High	Low

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Astragalus leptaleus</i> Park milkvetch	G4/ SH	<b>USFS R2 Sensitive</b> Targhee NF Sensitive	CAR	Medicine Bow NF	Regional Endemic/ Edge	Very Low	Unknown	Large Decline?	Unknown	Moderate	Medium
<i>Astragalus paysonii</i> Payson's milkvetch	G3/S2	USFS R4 Sensitive	LIN, SUB, TET	Bridger-Teton NF Targhee NF	Regional Endemic/ Core	Moderate	Uncommon	Moderate Decline	Stable?	High	High
<i>Astragalus platytropis</i> Broad-keeled milkvetch	G5/S1		PAR	Cody BLM	Disjunct	Very Low	Unknown	Unknown	Unknown	High?	High
<i>Astragalus proimanthus</i> [ <i>Orophaca proimantha</i> ] Precocious milkvetch	G1/S1	WY BLM Sensitive	SWE	Rock Springs BLM	Local Endemic/ Core	Very Low	Rare	Moderate Decline?	Moderate Decline	High	Very High
<i>Astragalus racemosus</i> var. <i>longisetus</i> Long-stalked racemose milkvetch	G5T4/ S1		NIO	Newcastle BLM?	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Astragalus racemosus</i> var. <i>racemosus</i> Racemose milkvetch	G5T5/ S1		NIO, WES	<b>Newcastle BLM</b> <b>Thunder Basin NG</b>	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Astragalus racemosus</i> var. <i>treleasei</i> Trelease's racemose milkvetch	G5T2/ S2	WY BLM Sensitive	SUB, UIN	<b>Kemmerer BLM</b> Pinedale BLM	Regional Endemic/ Core	Low	Rare	Moderate Decline	Unknown	Moderate	Very High
<i>Astragalus robbinsii</i> var. <i>minor</i> Robbins' milkvetch	G5T5/ S1		LIN, SUB, TET	Bridger-Teton NF	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Astragalus terminalis</i> Railhead milkvetch	G3/S1		TET	Bridger-Teton NF Grand Teton NP National Elk Refuge	Regional Endemic/ Edge	Very Low	Uncommon	Unknown	Stable?	Moderate	High
<i>Athyrium distentifolium</i> var. <i>americanum</i> [ <i>Athyrium alpestre</i> var. <i>americanum</i> ] American alpine lady fern	G4G5 T4T5/ S1		ALB, TET	Grand Teton NP Medicine Bow NF Targhee NF <b>Yellowstone NP</b>	Widespread/ Edge	Low	Rare	Moderate Decline?	Stable?	High	Low
<i>Atriplex falcata</i> [ <i>Atriplex gardneri</i> var. <i>falcata</i> ] Sickle saltbush	G4Q/ S1		SUB, SWE, UIN	Kemmerer BLM Pinedale BLM Rock Springs BLM	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Atriplex wolfii</i> [ <i>Atriplex tenuissima</i> ] Wolf's orache	G3G4 /S1		CAR, SWE	Rawlins BLM Rock Springs BLM	Regional Endemic/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Medium
<i>Bacopa rotundifolia</i> Roundleaf water-hyssop	G5/S1		CRO, LAR		Widespread/ Edge	Very Low	Unknown	Unknown	Increase?	Moderate	Low
<i>Bahia dissecta</i> Dissected bahia	G5/ S1S2		ALB, CAR, CON, LAR	Casper BLM? Curt Gowdy SP Medicine Bow NF Rawlins BLM?	Widespread/ Edge	Low	Rare	Unknown	Stable?	Moderate	Low
<i>Besseyia alpina</i> Alpine kittentails	G4/S1		ALB, CAR	Medicine Bow NF	Regional Endemic/ Edge	Very Low	Uncommon	Unknown	Stable?	Moderate	Medium
<i>Besseyia plantaginea</i> White River kittentails	G?/S1		ALB	Medicine Bow NF	Regional Endemic/ Edge	Very Low	Uncommon	Moderate Decline?	Stable	Moderate	Medium

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Boechera crandallii</i> [ <i>Arabis crandallii</i> ] Crandall's rockcress	G2/S1		CAR, SWE	Ashley NF [FGNRA] Rawlins BLM Rock Springs BLM	Regional Endemic/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Very High
<i>Boechera perennans</i> [ <i>Arabis perennans</i> ] Perennial rockcress	G5/S1		ALB		Widespread/ Edge	Very Low	Uncommon	Moderate Decline?	Unknown	Moderate	Low
<i>Boechera pusilla</i> [ <i>Arabis pusilla</i> ] Small rockcress	G1/S1	WY BLM Sensitive	FRE	Rock Springs BLM	Local Endemic/ Core	Very Low	Rare	Unknown	Stable	High	Very High
<i>Boechera selbyi</i> [ <i>Arabis selbyi</i> ] Selby's rockcress	G4?Q/ S1		SWE	Ashley NF [FGNRA] Rawlins BLM Rock Springs BLM	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Botrychium ascendens</i> Upward-lobe moonwort	G2G3 /S1	USFS R4 Sensitive	FRE, JOH. <b>PAR</b>	Bighorn NF Shoshone NF	Disjunct	Very Low	Rare	Unknown	Unknown	High	High
<i>Botrychium campestre</i> Prairie moonwort	<b>G3G4</b> /S1	USFS R2 Sensitive	CRO	Black Hills NF	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	High	High
<i>Botrychium lanceolatum</i> var. <i>lanceolatum</i> Lance-leaved moonwort	<b>G5T4</b> /S1		CAR, FRE, JOH	Bighorn NF Shoshone NF <b>Yellowstone NP</b>	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	High	Low
<i>Botrychium minganense</i> [ <i>B. lunaria</i> var. <i>onondagense</i> ] Mingan moonwort	G4/S1		FRE, JOH, PAR, SHE	Bighorn NF Shoshone NF	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	High	Low
<i>Botrychium multifidum</i> <i>Leathery grape-fern</i>	<b>G5/S2</b>	<b>USFS R2</b> Sensitive	CAR, SUB, <b>TET</b>	<b>Bridger-Teton NF</b> <b>Grand Teton NP</b> <b>Medicine Bow NF</b> <b>Yellowstone NP</b>	<b>Widespread/ Edge</b>	<b>Low</b>	<b>Rare</b>	<b>Unknown</b>	<b>Unknown</b>	<b>High</b>	<b>Low</b>
<i>Botrychium virginianum</i> Rattlesnake fern	<b>G5/S2</b>		CRO, PAR, SHE, TET	Bighorn NF Black Hills NF Grand Teton NP Shoshone NF Targhee NF Yellowstone NP	Widespread/ Edge	Low	Rare	Unknown	Unknown	Moderate	Low
<i>Bouteloua simplex</i> Mat grama	G5/S1		LAR	FE Warren AFB	Widespread/ Edge	Very Low	Unknown	Moderate Decline?	Unknown	Moderate	Low
<i>Braya glabella</i> Arctic braya	G5/S1	USFS R2 Sensitive	SUB, TET	Bridger-Teton NF	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Braya humilis</i> Low braya	G5/S1		FRE	Shoshone NF	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Brickellia microphylla</i> var. <i>scabra</i> Little-leaved brickell-bush	G4G5 T4?/ S1		FRE, NAT, SWE	Ashley NF (FGNRA) Casper BLM Lander BLM Rock Springs BLM	Widespread/ Edge	Low	Rare	Unknown	Unknown	Moderate	Low
<i>Bromus pubescens</i> Hairy wood brome	G5/ SH		CON		Widespread/ Edge	Very Low	Unknown	Large Decline?	Unknown	Moderate	Low
<i>Campanula aparinoides</i> Marsh bellflower	G5/S1		CRO	Black Hills NF	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Carex alopecoidea</i> Foxtail sedge	<b>G5/S2</b>	USFS R2 Sensitive	CRO	Black Hills NF	Disjunct	Low	Rare	Moderate Decline?	Unknown	Moderate	Medium

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Carex concinna</i> Beautiful sedge	G4G5/S1		PAR, SUB	Black Hills NF Bridger-Teton NF Shoshone NF Yellowstone NP	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Carex crawei</i> Crawe's sedge	G5/S1		GOS, LAR	FE Warren AFB	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	High?	Low
<i>Carex cusickii</i> Cusick's sedge	G5/S2		PAR, TET	Grand Teton NP Yellowstone NP	Widespread/ Edge	Low	Uncommon	Unknown	Stable?	Moderate	Low
<i>Carex deweyana</i> var. <i>bolanderi</i> [ <i>Carex bolanderi</i> ] Bolander's sedge	G5T5/S1		LIN, PAR, TET	Bridger-Teton NF Grand Teton NP Shoshone NF Targhee NF Yellowstone NP	Widespread/ Edge	Very Low?	Unknown	Unknown	Unknown	Moderate	Low
<i>Carex diandra</i> Lesser panicked sedge	G5/S1S2	USFS R2 Sensitive	ALB, PAR, TET	Grand Teton NP Medicine Bow NF Shoshone NF Yellowstone NP	Disjunct	Low	Rare	Unknown	Unknown	Moderate	High
<i>Carex eburnea</i> Ebony sedge	G5/S1		CRO		Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Carex echinata</i> ssp. <i>echinata</i> [ <i>Carex muricata</i> ] Little prickly sedge	G5/S1		PAR?, TET	Grand Teton NP Yellowstone NP	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Carex egglestonii</i> Eggleston's sedge	G4/S1		ALB, CAR	Medicine Bow NF	Regional Endemic/ Edge	Very Low	Unknown	Moderate Decline?	Unknown	Moderate	Medium
<i>Carex emoryi</i> Emory's sedge	G5/S1		CRO, PLA?	Devils Tower NM	Widespread/ Edge	Very Low	Uncommon	Unknown	Unknown	Moderate	Low
<i>Carex flava</i> Yellow sedge	G5/S1		PAR, TET	Yellowstone NP	Widespread/ Edge	Very Low	Rare	Unknown	Stable?	Moderate	Low
<i>Carex granularis</i> var. <i>haleana</i> Meadow sedge	G5T4/S2		CRO	Black Hills NF	Disjunct	Low	Unknown	Unknown	Unknown	Moderate	High
<i>Carex incurviformis</i> var. <i>danaensis</i> [ <i>Carex maritima</i> ] Incurved sedge	G4G5/T3/S2	USFS R4 Sensitive	FRE, PAR, SUB	Bridger-Teton NF Shoshone NF	Disjunct	Low	Rare	Unknown	Stable?	Moderate	Medium
<i>Carex laeviculmis</i> Smooth-stemmed sedge	G5/S1		TET	Grand Teton NP JDR Parkway	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Carex leptalea</i> Bristly-stalk sedge	G5/S2	USFS R2 Sensitive	ALB, CRO, PAR, TET	Black Hills NF Grand Teton NP Medicine Bow NF Shoshone NF Targhee NF Yellowstone NP	Disjunct	Low	Rare	Unknown	Stable?	Moderate	High
<i>Carex limosa</i> Mud sedge	G5/S2		BIG, CAR, PAR, SUB, TET	Bighorn NF Bridger-Teton NF Medicine Bow NF Shoshone NF Targhee NF Yellowstone NP	Disjunct	Low	Uncommon	Unknown	Stable?	Moderate	High

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Carex livida</i> Livid sedge	G5/S2	USFS R2 Sensitive	PAR, TET	Shoshone NF Yellowstone NP	Disjunct	Low	Uncommon	Unknown	Unknown	High	High
<i>Carex luzulina</i> var. <i>atropurpurea</i> Black and purple sedge	G5T3/ S2	USFS R4 Sensitive	FRE, SUB, TET	Bridger-Teton NF Shoshone NF	Regional Endemic/ Core	Low	Rare?	Unknown	Unknown	Moderate	High
<i>Carex microglochin</i> False uncinia sedge	G5?/ S1		FRE, PAR, SUB	Bridger-Teton NF Shoshone NF Yellowstone NP	Disjunct	Very Low	Uncommon	Unknown	Unknown	High	High
<i>Carex misandra</i> [ <i>Carex fuliginosa</i> var. <i>misandra</i> ] Short-leaf sedge	G5/S1		BIG, FRE, JOH, PAR	Bighorn NF Shoshone NF	<b>Disjunct</b>	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Carex nelsonii</i> Nelson's sedge	G3?/ S2		ALB, CAR, FRE, PAR	Medicine Bow NF Shoshone NF	Regional Endemic/ Core	Low	Uncommon	Moderate Decline?	Unknown	Moderate	High
<i>Carex occidentalis</i> Western sedge	G4/S1		ALB, FRE?, PAR, TET?	Cody BLM Medicine Bow NF Rawlins BLM? Shoshone NF	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Carex oreocharis</i> Mountain-loving sedge	G3/S1		ALB, LAR	Curt Gowdy SP Medicine Bow NF	Regional Endemic/ Edge	Very Low	Uncommon	Moderate Decline?	Stable?	Moderate	High
<i>Carex parryana</i> var. <i>unica</i> [ <i>Carex parryana</i> ssp. <i>hallii</i> ; <i>C. hallii</i> ] Hall's sedge	G4?Q/ S1		ALB, CAR, LAR, PLA	Medicine Bow NF <b>Rawlins BLM</b>	Widespread/ Edge	Very Low	Uncommon	Moderate Decline	Unknown	Moderate	Low
<i>Carex proposita</i> Smoky Mountain sedge	G4/ SH		TET	Bridger-Teton NF? Grand Teton NP?	Widespread/ Edge	Very Low	Unknown	Large Decline?	Unknown	Moderate	Low
<i>Carex richardsonii</i> Richardson sedge	G4/S1		CRO	Black Hills NF	Disjunct	Very Low	Unknown	Unknown	Unknown	Moderate	High
<i>Carex rosea</i> Rosy sedge	G5/S1		CRO	Black Hills NF	Disjunct	Very Low	Unknown	Unknown	Unknown	Moderate	High
<i>Carex sartwellii</i> var. <i>sartwellii</i> Sartwell's sedge	G4G5 T4T5/ S1		ALB, FRE, JOH, PAR, SHE, TET	Grand Teton NP Medicine Bow NF National Elk Refuge Wind River IR? Yellowstone NP	Widespread/ Edge	Very Low	Uncommon	Moderate Decline?	Unknown	Moderate	Low
<i>Carex scirpoidea</i> var. <i>scirpiformis</i> Canadian single-spike sedge	G5T4 Q/ S1		PAR, TET	<b>Grand Teton NP</b> Nation Elk Refuge Shoshone NF	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	High	Low
<i>Carex stricta</i> Strict sedge	G5/S1		NIO		Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Ceanothus herbaceus</i> Prairie redroot	G5/S1		CRO	Black Hills NF	Widespread/ Edge	Very Low	Rare	Unknown	Moderate Decline	Moderate	Low
<i>Ceanothus martinii</i> Utah mountain lilac	G4/S1		LIN, SWE	Fossil Butte NM Rock Springs BLM	Widespread/ Edge	Very Low	Rare	Unknown	Moderate Decline?	Moderate	Low
<i>Celtis occidentalis</i> Common hackberry	G5/S1		GOS, PLA, SHE	Bighorn NF Casper BLM?	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Centunculus minimus</i> Chaffweed	G5/S1		CRO, PLA	Black Hills NF	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Cercocarpus ledifolius</i> var. <i>intricatus</i> [ <i>Cercocarpus intricatus</i> ] Dwarf mountain mahogany	G5T4/ S1		SWE	Ashley NF (FGNRA) Rock Springs BLM	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Chamaechaenactis scaposa</i> Fullstem	G4/ S1S2		SWE	Kemmerer BLM Rock Springs BLM	Regional Endemic/ Edge	Low?	Rare	Unknown	Unknown	Moderate	Medium
<i>Chamaesyce geyeri</i> [ <i>Euphorbia geyeri</i> ] Geyer's spurge	G5/S1		GOS	Casper BLM	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Chamaesyce serpens</i> [ <i>Euphorbia serpens</i> ] Matted broom-spurge	G5/S1		CRO		Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Low	Low
<i>Chenopodium incanum</i> var. <i>incanum</i> Mealy goosefoot	G5T?/ S1		GOS		Widespread/ Edge	Very Low	Uncommon	Unknown	Unknown	Low	Low
<i>Chenopodium watsonii</i> Watson goosefoot	G5/S1		GOS, LAR, WES	Bighorn NF? Buffalo BLM Casper BLM Worland BLM	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Chionophila jamesii</i> Rocky Mountain snowlover	G4?/ S1		ALB, CAR	Medicine Bow NF	Regional Endemic/ Edge	Very Low	Uncommon	Unknown	Stable?	Moderate	Medium
<i>Chrysothamnus greenii</i> Greene rabbitbrush	G5/ S1?		SWE	Rawlins BLM	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Cicuta bulbifera</i> Bulb-bearing water-hemlock	G5/S1		TET	Targhee NF	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Circaea lutetiana</i> var. <i>canadensis</i> Canadian enchanter's nightshade	G5T5/ S1		CRO	Black Hills NF	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Cirsium aridum</i> Cedar Rim thistle	G2Q/ S2	WY BLM Sensitive	CAR, FRE, SUB, SWE	Lander BLM Pinedale BLM Rawlins BLM Rock Springs BLM	Local Endemic/ Core	Low	Uncommon	Unknown	Moderate Decline?	Moderate	Very High
<i>Cirsium canovirens</i> Gray-green thistle	G4G5 / SH		PAR	Yellowstone NP ?	Widespread/ Edge	Very Low	Unknown	<b>Unknown</b>	Unknown	Moderate	Low
<i>Cirsium foliosum</i> Leafy thistle	G5/S1		PAR, SHE	Bighorn NF Yellowstone NP	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Cirsium ownbeyi</i> Ownbey's thistle	G3/S2	WY BLM Sensitive	SWE	Ashley NF (FGNRA) Rock Springs BLM	Regional Endemic/ Edge	Low	Uncommon	Unknown	Stable?	Moderate	Medium
<i>Clarkia pulchella</i> Large-flower clarkia	G5?/ SH		TET	Bridger-Teton NF?	Widespread/ Edge	Very Low	Unknown	Large Decline?	Unknown	Moderate	Low
<i>Cleome multicaulis</i> Many-stemmed spider-flower	G2G3 / S1	WY BLM Sensitive	NAT	Casper BLM Pathfinder NWR	Disjunct	Very Low	Uncommon	Moderate Decline?	Stable?	High	High
<i>Collomia grandiflora</i> Large-flower collomia	G5/ SH		LIN, SWE?		Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Crassula solieri</i> [ <i>Crassula aquatica</i> , <i>Tillaea aquatica</i> - misapplied] Pygmyweed	G4G5 / S1		FRE, PAR	Shoshone NF Yellowstone NP	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Cryptantha gracilis</i> Slender cryptantha	G5/S1		SWE	Ashley NF (FGNRA) Rock Springs BLM	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Cryptantha rollinsii</i> Rollins' cat's-eye	G3/S1		SWE	Ashley NF? (FGNRA?) Rock Springs BLM Seedskaadee NWR	Regional Endemic/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Medium

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Cryptantha subcapitata</i> Owl Creek miner's candle	G2/S2	WY BLM Sensitive	FRE	Boysen St. Park Lander BLM Wind River IR	Local Endemic/ Core	Very Low	Uncommon	Unknown	Stable?	High	Very High
<i>Cryptogramma stelleri</i> Fragile rockbrake	G5/S1		FRE, PAR, SHE, TET	Bighorn NF Bridger-Teton NF Shoshone NF Targhee NF Yellowstone NP	Disjunct	Low	Rare	Unknown	Unknown	Moderate	High
<i>Cuscuta indecora</i> var. <i>neuropetala</i> Pretty dodder	G5T5/ S1		GOS, PLA, SHE	Casper BLM? Glendo St. Park	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Cuscuta megalocarpa</i> [ <i>Cuscuta umbrosa</i> ] Big-fruited dodder	G5/ SH		PLA		Widespread/ Edge	Very Low	Unknown	Large Decline?	Unknown	Moderate	Low
<i>Cuscuta occidentalis</i> Western dodder	G5/S1		LIN, SWE	Fossil Butte NM Rock Springs BLM?	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Cuscuta plattensis</i> Wyoming dodder	G1?Q/ S1		CON, GOS, PLA	Casper BLM Glendo St. Park	Regional Endemic/ Core?	Very Low	Unknown	Large Decline?	Unknown	Moderate ?	Very High
<i>Cymopterus alpinus</i> [ <i>Oreoxis alpina</i> ] Alpine oreoxis	G4/S1		ALB	Medicine Bow NF Rawlins BLM?	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Cymopterus evertii</i> Evert's waferparsnip	G2G3 /S2S3	WY BLM Sensitive	HOT, PAR	Cody BLM Shoshone NF	<b>Local Endemic</b> / Core	Moderate	Uncommon	Unknown	Stable?	Moderate	Very High
<i>Cymopterus williamsii</i> Williams' waferparsnip	G2G3 /S2S3	WY BLM Sensitive	BIG, JOH, NAT, WAS	Bighorn NF? Buffalo BLM Casper BLM Worland BLM	Local Endemic/ Core	Moderate	Uncommon	Unknown	Stable?	Moderate	Very High
<i>Cyperus acuminatus</i> Short-point flatsedge	G5/S1		CAM, GOS		Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Cyperus bipartitus</i> [ <i>Cyperus rivularis</i> ] Shining flatsedge	G5/S1		GOS, PLA	Guernsey St. Park <b>Fort Laramie NHS</b>	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Cyperus erythrorhizos</i> Red-root flatsedge	G5/S1		CRO, PLA	Keyhole St. Park <b>Greyrocks WMA</b>	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Cypripedium fasciculatum</i> Clustered lady-slipper	G4/ S2S3	USFS R4 Sensitive	ALB, CAR	Medicine Bow NF	Disjunct	Moderate	Uncommon	Moderate Decline?	Stable?	Moderate	High
<i>Cypripedium montanum</i> Mountain lady-slipper	G4G5 /S1	<b>USFS R2 Sensitive</b>	JOH, SHE	Bighorn NF	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Moderate Decline	High	Low
<i>Cypripedium parviflorum</i> var. <i>pubescens</i> [ <i>Cypripedium calceolus</i> var. <i>pubescens</i> ] Large yellow lady-slipper	G5T?/ S1S2	<b>USFS R2 Sensitive</b>	BIG, CRO, FRE, SHE, WAS	Bighorn NF Black Hills NF? Wind River IR	Disjunct	Low	Rare	Moderate Decline?	Moderate Decline	High	High
<i>Dalea aurea</i> Golden prairie-clover	G5/S1		GOS, PLA	Casper BLM	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Dalea cylindriceps</i> Andean prairie-clover	G3?/ S1		ALB, GOS, PLA	<b>Casper BLM</b>	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	High
<i>Dalea enneandra</i> Nine-anther prairie-clover	G5/S1		CRO, WES	Newcastle BLM	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low



## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Dalea villosa</i> var. <i>villosa</i> Silky prairie-clover	G5T5/ S1		GOS, LAR	Casper BLM	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Delphinium ramosum</i> Mountain larkspur	G4/S1		LAR		Regional Endemic/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Medium
<i>Deschampsia danthonioides</i> Annual hairgrass	G5/S1		PAR	Shoshone NF Yellowstone NP	Widespread/ Edge	Very Low	Unknown	Unknown	Moderate Decline?	Moderate	Low
<i>Descurainia pinnata</i> var. <i>paysonii</i> [ <i>Descurainia incisa</i> ssp. <i>paysonii</i> ] Payson's tansymustard	G5T3 ?/ S2		CAR, SWE	Ashley NF (FGNRA) Rawlins BLM Rock Springs BLM	Widespread/ Edge	Low	Uncommon	Unknown	Unknown	High	Medium
<i>Descurainia torulosa</i> Wyoming tansymustard	G1/S1	USFS R2 Sensitive USFS R4 Sensitive WY BLM Sensitive	FRE, PAR, SWE, TET	Bridger-Teton NF Cody BLM? Rock Springs BLM Shoshone NF	Local Endemic/ Core	Low	Rare	Unknown	Unknown	High	Very High
<i>Dichanthelium linearifolium</i> [ <i>Panicum linearifolium</i> ] Slim-leaf witchgrass	G5/S1		ALB, CRO, WES	Black Hills NF Medicine Bow NF	Disjunct	Very Low	Unknown	Unknown	Unknown	Moderate	High
<i>Diphasiastrum complanatum</i> [ <i>Lycopodium complanatum</i> ] Ground cedar	G5/S1	USFS R2 Sensitive	CRO	Black Hills NF	Disjunct	Very Low	Rare	Unknown	Stable?	Moderate	High
<i>Dodecatheon jeffreyi</i> Jeffrey's shootingstar	G5/S1		<b>TET</b>	<b>Grand Teton NP</b>	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Unknown	Low
<i>Downingia laeta</i> Great Basin downingia	G5/S1		ALB, CAR, UIN	Kemmerer BLM? Rawlins BLM	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Draba borealis</i> Boreal draba	G4/S2	Bridger- Teton NF Sensitive	LIN, PAR, SUB, TET	Bridger-Teton NF Grand Teton NP National Elk Refuge Shoshone NF Yellowstone NP	Disjunct	Low	Rare	Moderate Decline?	Stable?	Moderate	High
<i>Draba fladnizensis</i> var. <i>pattersonii</i> White arctic whitlow-grass	G4T2 T3/ S2		FRE, JOH, LIN, PAR, TET?	Bighorn NF <b>Bridger-Teton NF</b> <b>Grand Teton NP</b> Shoshone NF <b>Targhee NF</b>	Regional Endemic/ Edge	Very Low	Unknown	Unknown	Stable?	Moderate	Medium
<i>Draba glabella</i> Rock whitlow-grass	G4G5 / SH		PAR	Shoshone NF	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Draba juniperina</i> [ <i>Draba oligosperma</i> var. <i>juniperina</i> ] Uinta draba	G3Q/ S2		SWE, UIN	Ashley NF (FGNRA) Rock Springs BLM	Regional Endemic/ Core	Low	Uncommon	Unknown	Stable	Moderate	High
<i>Draba paysonii</i> var. <i>paysonii</i> Payson's draba	G5T3/ S2		FRE, LIN, PAR, SUB	Bridger-Teton NF Shoshone NF Yellowstone NP ?	Regional Endemic/ Core?	Low	Rare	Unknown	Unknown	Moderate	High
<i>Draba paysonii</i> var. <i>treleasei</i> Trelease's draba	G5T4 ?/ S1		<b>FRE</b> , PAR	Shoshone NF Yellowstone NP ?	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Draba pectinipila</i> [ <i>Draba oligosperma</i> var. <i>pectinipila</i> ] Comb-hair whitlow-grass	G1Q/S1		PAR	Shoshone NF	Regional Endemic/ Core	Very Low	Rare	Unknown	Stable?	High	Very High
<i>Draba porsildii</i> [Includes vars. <i>brevicula</i> and <i>porsildii</i> ] Porsild's whit low-grass	G3G4/S1		FRE, HOT, PAR, SUB	Bridger-Teton NF Shoshone NF	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Draba spectabilis</i> var. <i>oxyloba</i> Showy draba	G3?T3Q/SH		CAR	Medicine Bow NF	Regional Endemic/ Edge	Very Low	Unknown	Unknown	Large Decline?	Moderate	High
<i>Drosera anglica</i> English sundew	G5/S2	<b>USFS R2 Sensitive</b>	PAR, TET	Grand Teton NP JDR Parkway Shoshone NF Yellowstone NP	<b>Disjunct</b>	Low	Rare	Moderate Decline?	Unknown	High	High
<i>Dryopteris expansa</i> [ <i>Dryopteris assimilis</i> ; <i>Dryopteris carthusiana</i> ] Spreading woodfern	G5/S1		PAR, TET	Grand Teton NP Shoshone NF Yellowstone NP	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Dulichium arundinaceum</i> Three-way sedge	G5/S1		TET	Yellowstone NP	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Eleocharis bella</i> Delicate spikerush	G5/S1		TET	Grand Teton NP	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Eleocharis flavescens</i> var. <i>thermalis</i> Warm Springs spikerush	G5T2T3Q/S2		PAR, TET	JDR Parkway <b>Grand Teton NP</b> Yellowstone NP	Disjunct	Low	Rare	Moderate Decline?	Stable	Moderate	High
<i>Eleocharis ovata</i> Ovate spike-rush	G5/S1		CRO	Black Hills NF <b>Grand Teton NP</b>	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Eleocharis parvula</i> var. <i>anachaeta</i> Small spike-rush	G5/S1		GOS		Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Eleocharis tenuis</i> var. <i>borealis</i> [ <i>E. elliptica</i> ] Boreal spikerush	G5T5/S1	<b>USFS R2 Sensitive</b>	PLA, TET	Medicine Bow NF Yellowstone NP	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Elymus simplex</i> var. <i>luxurians</i> [ <i>Leymus simplex</i> ] Long-awned alkali wild-rye	G4?QT?/S1		SWE	Rock Springs BLM	<b>Local Endemic / Core</b>	Very Low	Rare	Unknown	Unknown	Moderate	Very High
<i>Elymus triticoides</i> [ <i>Leymus triticoides</i> ] Creeping wildrye	G4G5/SH		ALB	Hutton Lake NWR	Widespread/ Edge	Very Low	Unknown	Large Decline?	Unknown	Moderate	Low
<i>Elymus villosus</i> Hairy wild-rye	G5/S1		CRO	<b>Black Hills NF</b> Devils Tower NM Newcastle BLM	Widespread/ Edge	Very Low	Unknown	Moderate Decline?	Unknown	Moderate	Low
<i>Ephedra viridis</i> var. <i>viridis</i> Green Mormon tea	G5T5/S1		SWE	Rock Springs BLM	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Epipactis gigantea</i> Giant helleborine	G4/S1	<b>USFS R2 Sensitive</b>	BIG, TET	Grand Teton NP Yellowstone NP	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Moderate Decline?	High	Low

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Equisetum fluviatile</i> Water horsetail	G5/S1		PAR, TET	Grand Teton NP Shoshone NF Yellowstone NP	<b>Widespread/ Edge</b>	Very Low	Rare	Large Decline?	Unknown	Moderate	Low
<i>Equisetum scirpoides</i> Dwarf scouring rush	G5/S1		CRO	Black Hills NF	Disjunct	Very Low	Rare	Unknown	Stable?	Moderate	High
<i>Equisetum sylvaticum</i> Woodland horsetail	G5/S1		CRO, SHE	Bighorn NF Black Hills NF	Disjunct	Very Low	Rare	Unknown	Stable	Moderate	High
<i>Eragrostis hypnoides</i> Teal love grass	G5/S1		GOS, SHE		Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Eriastrum wilcoxii</i> [ <i>Eriastrum sparsiflorum</i> var. <i>wilcoxii</i> ] Wilcox eriastrum	G5/ S1S2		FRE, SWE	Lander BLM Rock Springs BLM Seedskaadee NWR	Widespread/ Edge	Low	Rare	Unknown	Unknown	Moderate	Low
<i>Erigeron compactus</i> var. <i>consimilis</i> [ <i>Erigeron consimilis</i> ] San Rafael daisy	G4G5 /S1		SWE	Rawlins BLM Rock Springs BLM	Regional Endemic/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Erigeron elatior</i> Tall fleabane	G4/S2		ALB, CAR	Medicine Bow NF Rawlins BLM?	Regional Endemic/ Edge	Low?	Uncommon	Moderate Decline?	Unknown	Moderate	Medium
<i>Erigeron humilis</i> Low fleabane	G4/S2		BIG, PAR, SUB	Bighorn NF Bridger-Teton NF Shoshone NF	Widespread/ Edge	Low	Rare	Unknown	Unknown	High	Low
<i>Erigeron lanatus</i> Woolly fleabane	G3G4 /S1	USFS R4 Sensitive	SUB	Bridger-Teton NF	Disjunct	Very Low	Rare	Unknown	Stable?	Moderate	High
<i>Erigeron pinnatisectus</i> Pinnate fleabane	G4/S2		ALB, CAR	Medicine Bow NF	Regional Endemic/ Edge	Low	Uncommon	Unknown	Stable?	Moderate	Medium
<i>Erigeron radicans</i> Taprooted fleabane	G3/S2		FRE, PAR, SUB, <b>TET</b>	Bridger-Teton NF Shoshone NF	<b>Regional Endemic/ Edge</b>	Low	Rare	Unknown	Unknown	Moderate	Medium
<i>Eriogonum corymbosum</i> var. <i>corymbosum</i> Crisp-leaf wild buckwheat	G5T5/ S1		SWE	Rock Springs BLM	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Eriogonum divaricatum</i> Divergent wild buckwheat	G4G5 /S1		LIN, SUB, SWE, UIN	Kemmerer BLM Pinedale BLM Rock Springs BLM	Widespread/ Edge	Very Low	Uncommon	Moderate Decline?	Unknown	Moderate	Low
<i>Eriogonum exilifolium</i> Slender-leaved buckwheat	G3/S2	<b>USFS R2 Sensitive</b>	ALB, CAR	Medicine Bow NF Rawlins BLM	Regional Endemic/ Core	Low	Uncommon	Unknown	Unknown	Moderate	High
<i>Eriogonum hookeri</i> Hooker wild buckwheat	G5/S1		CAR, SWE	Rawlins BLM? Rock Springs BLM	Widespread/ Edge	Very Low	Unknown	Moderate Decline?	Unknown	Moderate	Low
<i>Eriogonum mancum</i> Mancos wild buckwheat	G4/S1		BIG	Cody BLM	Regional Endemic/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Medium
<i>Eriogonum pauciflorum</i> var. <i>nebraskense</i> Nebraska buckwheat	G5T? Q/S1		PLA, GOS		Regional Endemic/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Medium
<i>Eriophorum callitrix</i> var. <i>callitrix</i> Sheathed cotton-grass	G5T5/ S1		FRE, PAR	Shoshone NF	Disjunct	Very Low	Rare	Unknown	Stable?	Moderate	High
<i>Eriophorum chamissonis</i> Russet cotton-grass	G5/ <b>S2</b>	<b>USFS R2 Sensitive</b>	PAR, SHE, TET	Bighorn NF Shoshone NF Yellowstone NP	Widespread/ Edge	Low	Uncommon	Moderate Decline?	Unknown	Moderate	Low

## Plant Species of Concern (continued)

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<i>Eriophorum gracile</i> Slender cotton-grass	G5/S2	USFS R2 Sensitive	ALB, PAR, TET	Bridger-Teton NF? Grand Teton NP <b>Medicine Bow NF</b> Shoshone NF Targhee NF Yellowstone NP	Widespread/ Edge	Low	Rare	Unknown	Unknown	Moderate	Low
<i>Eriophorum scheuchzeri</i> Scheuchzer cotton-grass	G5/S1		FRE, PAR, SUB	Bridger-Teton NF Shoshone NF	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Eriophorum viridicarinatum</i> Green keeled cotton-grass	G5/ <b>S1S2</b>		PAR, TET	Grand Teton NP National Elk Refuge Shoshone NF Yellowstone NP	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Eritrichum howardii</i> Howard forget-me-not	G4/ S2?		JOH, PAR, SHE	Bighorn NF Buffalo BLM Cody BLM Shoshone NF	Regional Endemic/Edge	Low	Uncommon	Unknown	Unknown	Moderate	Medium
<i>Euphorbia exstipulata</i> var. <i>exstipulata</i> Square-seeded spurge	G5T5/ SH		PLA	Casper BLM?	Disjunct	Very Low	Unknown	Large Decline?	Unknown	Moderate	High
<i>Euphorbia hexagona</i> Six-angle spurge	G5/S1		GOS, PLA	<b>Casper BLM</b> Guernsey SP	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Eustoma grandiflorum</i> [ <i>Eustoma russellianum</i> ] Showy prairie-gentian	G5/S1		GOS, NAT, PLA		Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	High	Low
<i>Euthamia graminifolia</i> var. <i>major</i> [ <i>Solidago graminifolia</i> var. <i>major</i> ] Flat-top fragrant goldenrod	G5T5/ S1		ALB, PLA	Casper BLM Medicine Bow NF	Widespread/ Edge	Very Low	Unknown	Moderate Decline?	Unknown	Moderate	Low
<i>Festuca hallii</i> [ <i>Festuca altaica</i> ssp. <i>hallii</i> ; included in <i>F. scabrella</i> by some authors] Hall's fescue	G4/S2	USFS R2 Sensitive	ALB, JOH?, PAR	Bighorn NF? Cody BLM Medicine Bow NF Shoshone NF	Widespread/ Edge	Low	Uncommon	Moderate Decline?	Unknown	Moderate	Low
<i>Filago prolifera</i> [ <i>Evax prolifera</i> ] Bighead pygmycudweed	G5/S1		PLA		Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Froelichia gracilis</i> Slender cottonweed	G5/ SH		WES		Widespread/ Edge	Very Low	Unknown	Moderate Decline?	Unknown	Moderate	Low
<i>Galium coloradoense</i> [ <i>Galium multiflorum</i> var. <i>coloradoense</i> ] Colorado bedstraw	G4/S1		SWE	Rawlins BLM Rock Springs BLM	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Gaura neomexicana</i> ssp. <i>coloradensis</i> Colorado butterfly plant	G3T2/ S2	USFWS Threaten.	LAR, PLA	FE Warren AFB	Regional Endemic/ Core	Low	Uncommon	Large Decline?	Moderate Decline	High	Very High
<i>Gentiana affinis</i> var. <i>bigelovii</i> Bigelow's prairie gentian	G5T4/ S1		ALB, LAR	Medicine Bow NF	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Gentianella propinqua</i> Four-part gentian	G5/S1		PAR	Shoshone NF	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low

## Plant Species of Concern (continued)

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<i>Gentianopsis simplex</i> Hiker's gentian	G4/S1		TET	Yellowstone NP	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Glandularia bipinnatifida</i> Dakota vervain	G5/S1		CRO, FRE	Devils Tower NM	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Glossopetalon spinescens</i> var. <i>meionandrum</i> [ <i>Forsellesia meionandra</i> ] Utah greasebush	G5T3/ S1		SWE	Ashley NF (FGNRA) Rock Springs BLM	Regional Endemic/ Edge	Very Low	Rare	Unknown	Stable	Moderate	Medium
<i>Gymnocarpium dryopteris</i> [incl. <i>Gymnocarpium disjunctum</i> & <i>G. x brittonianum</i> ] Oak fern	G5/S2		CAR, CRO, TET	Black Hills NF Grand Teton NP Medicine Bow NF	Widespread/Ed ge	Low	Rare	Unknown	Moderate Decline?	Moderate	Low
<i>Helianthemum bicknellii</i> [ <i>Crocyanthemum bicknellii</i> ] Plains frostweed	G5/S1		CRO	Black Hills NF Devils Tower NM <b>Newcastle BLM</b>	Widespread/ Edge	Very Low	Rare	Unknown	Stable	Moderate	Low
<i>Helictotrichon mortonianum</i> Alpine oatgrass	G4/S1		FRE	Shoshone NF	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Hesperochiron californicus</i> California hesperochiron	G4G5 / S1		SUB, UIN	Pinedale BLM	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Hesperostipa neomexicana</i> [ <i>Stipa neomexicana</i> ] New Mexico needlegrass	G4G5 / S1		PLA	Casper BLM Guernsey St. Park	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Heterocodon rariflorus</i> Western pearl-flower	G5/ SH		TET	Targhee NF	Widespread/ Edge	Very Low	Unknown	Large Decline?	Unknown	Moderate	Low
<i>Heterotheca pumila</i> Little golden-aster	G4/S1		ALB, CAR	Medicine Bow NF	Regional Endemic/ Edge	Very Low?	Rare?	Unknown	Unknown	Moderate	Medium
<i>Horkelia fusca</i> var. <i>parviflora</i> Pine woods horkelia	G5T?/ SH		TET	Yellowstone NP	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Huperzia haleakalae</i> [ <i>Lycopodium selago</i> , <i>Huperzia selago</i> - misapplied] Fir clubmoss	G5/ SH		TET	Grand Teton NP	Disjunct	Very Low	Unknown	Unknown	Unknown	Moderate	High
<i>Hymenopappus tenuifolius</i> Chalk-hill woollywhite	G5/ SH		CRO	Black Hills NF?	Widespread/ Edge	Very Low	Unknown	Large Decline?	Unknown	Moderate	Low
<i>Ionactis alpina</i> [ <i>Aster scopulorum</i> ] Lava aster	G5/S1		PAR	Yellowstone NP	Widespread/ Edge	Very Low	Uncommon	Unknown	Stable?	Moderate	Low
<i>Ipomopsis aggregata</i> var. <i>tenuituba</i> [ <i>Ipomopsis tenuituba</i> ] Slender-trumpet ipomopsis	G5T4 T5/S1		ALB, CAR	Medicine Bow NF	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Ipomopsis aggregata</i> var. <i>weberi</i> Weber's scarlet-gilia	G5T2/ S1	USFS R2 Sensitive WY BLM Sensitive	CAR	Medicine Bow NF Rawlins BLM	Regional Endemic/ Edge	Very Low	Rare	Unknown	Large Decline?	Moderate	High
<i>Ipomopsis longiflora</i> [ <i>Gilia longiflora</i> ] Longflowered gilia	G5/S1		GOS		Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Ipomopsis polycladon</i> [ <i>Gilia polycladon</i> ] Lavender ipomopsis	G4/S1		SWE	Ashley NF (FGNRA)	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Ipomopsis spicata</i> var. <i>robruthii</i> [ <i>Ipomopsis spicata</i> var. <i>robruthiorum</i> ] Kirkpatrick's ipomopsis	G4?T 2/S2		HOT, PAR	Shoshone NF	Local Endemic/ Core	Low	Rare	Unknown	Stable?	Moderate	Very High
<i>Isoetes occidentalis</i> [ <i>Isoetes lacustris</i> ] Western quillwort	G4G5 /S1		PAR, TET	Yellowstone NP	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Juncus filiformis</i> Thread rush	G5/S1		CAR, PAR, TET	Grand Teton NP Medicine Bow NF Targhee NF Yellowstone NP	Widespread/ Edge	Low?	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Juncus triglumis</i> var. <i>albescens</i> [ <i>Juncus albescens</i> ] Northern white rush	G5T5/ S1		ALB, FRE, PAR, SUB	Bridger-Teton NF Medicine Bow NF Shoshone NF	Disjunct	Very Low	Rare	Moderate Decline?	Stable?	Moderate	High
<i>Juncus triglumis</i> var. <i>triglumis</i> Three-flower rush	G5T5/ S1		JOH, PAR	Bighorn NF Shoshone NF	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Juncus vaseyi</i> Vasey rush	G5?/ S1		ALB, FRE, SUB	Bridger-Teton NF Medicine Bow NF	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Kelloggia galioides</i> Milk kelloggia	G5/S1		FRE?, LIN?, PAR, TET	Bridger-Teton NF Grand Teton NP Shoshone NF Yellowstone NP	Widespread/ Edge	Low?	Rare	Unknown	Unknown	Moderate	Low
<i>Kobresia sibirica</i> [ <i>Kobresia macrocarpa</i> ; <i>Kobresia schoenoides</i> ] Siberian kobresia	G5/S1		PAR	Shoshone NF	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Kobresia simpliciuscula</i> Simple kobresia	G5/S1	<b>USFS R2 Sensitive</b>	FRE?, PAR	Shoshone NF	Disjunct	Very Low	Rare	Unknown	Stable?	Moderate	High
<i>Koenigia islandica</i> Koenigia	G4/S1		FRE, PAR	Shoshone NF	Disjunct	Low?	Rare	Unknown	Unknown	Moderate	High
<i>Lathyrus eucosmus</i> Seemly sweetpea	G4G5 /S1		FRE	Lander BLM	Disjunct	Very Low	Unknown	Unknown	Unknown	Moderate	High
<i>Lathyrus lanszwertii</i> var. <i>lanszwertii</i> Nevada sweetpea	G4G5 T4/ S1		FRE?, HOT, UIN	Kemmerer BLM Wasatch-Cache NF Worland BLM	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Lechea intermedia</i> Narrowleaf pinweed	G5/S1		CRO	Black Hills NF	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Lemna valdiviana</i> Pale duckweed	G5/S1		TET	Grand Teton NP Yellowstone NP	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Lepidium integrifolium</i> var. <i>integrifolium</i> Entire-leaved peppergrass	G1G2 T1?/ S1	WY BLM Sensitive	LIN, UIN	Fossil Butte NM Kemmerer BLM	Regional Endemic/ Core?	Very Low	Rare	Large Decline?	Moderate Decline?	High	Very High
<i>Lepidium montanum</i> var. <i>alyssoides</i> [ <i>Lepidium alyssoides</i> var. <i>a.</i> ] Mountain peppergrass	G5T5 ?/ S1		SUB	Pinedale BLM	Widespread/ Edge	Very Low	Rare	Unknown	Stable?	Moderate	High

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Lesquerella arenosa</i> var. <i>argillosa</i> Sidesaddle bladderpod	G5T3/S1	WY BLM Sensitive	NIO	Newcastle BLM	Regional Endemic/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Medium
<i>Lesquerella carinata</i> var. <i>carinata</i> Keeled bladderpod	G3G4 T3T4/S1		FRE?, TET	Bridger-Teton NF Grand Teton NP National Elk Refuge Targhee NF	Regional Endemic/ Edge	Low	Uncommon	Unknown	Stable	Moderate	Medium
<i>Lesquerella fremontii</i> Fremont bladderpod	G2S2	USFS R2 Sensitive WY BLM Sensitive	FRE	Lander BLM Shoshone NF	Local Endemic/ Core	Low	Uncommon	Unknown	Stable?	Moderate	Very High
<i>Lesquerella macrocarpa</i> Large-fruited bladderpod	G2S2	WY BLM Sensitive	FRE, LIN, SUB, SWE	Kemmerer BLM Pinedale BLM Rock Springs BLM	Local Endemic/ Core	Low	Uncommon	Unknown	Moderate Decline?	High	Very High
<i>Lesquerella multiceps</i> Western bladderpod	G3S1	WY BLM Sensitive	LIN	Kemmerer BLM? Targhee NF	Regional Endemic/ Edge	Very Low	Rare	Moderate Decline?	Stable?	Moderate	Medium
<i>Lesquerella parvula</i> [ <i>Lesquerella alpina</i> var. <i>parvula</i> ] Narrowleaved bladderpod	G5T3 ?/ S1		CAR, SWE, UIN	Kemmerer BLM Medicine Bow NF?	Regional Endemic/ Edge	Very Low	Rare	Unknown	Stable?	Moderate	Medium
<i>Lesquerella prostrata</i> Prostrate bladderpod	G3S1	WY BLM Sensitive	LIN, UIN	Kemmerer BLM	Regional Endemic/ Core	Low	Uncommon	Unknown	Stable?	Moderate	High
<i>Liatris lancifolia</i> Lance-leaf gay-feather	G4S1		GOS		Widespread/ Edge	Very Low	Rare	Unknown	Moderate Decline	Moderate	Low
<i>Ligularia bigelovii</i> var. <i>hallii</i> [ <i>Senecio bigelovii</i> var. <i>hallii</i> ] Bigelow's groundsel	G4T 3T4/S1		ALB, CAR	Medicine Bow NF	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Ligusticum tenuifolium</i> Slender-leaved lovage	G5S1 ?		CAR	Medicine Bow NF	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Linanthus watsonii</i> [ <i>Leptodactylon watsonii</i> ] Watson's prickly-phlox	G3G5 /S1		FRE, HOT, SWE, WAS	Ashley NF (FGNRA) Bighorn NF Cody BLM Wind River IR	Widespread/ Edge	Very Low	Rare	Unknown	Stable?	Moderate	Low
<i>Lipocarpha drummondii</i> [ <i>Hemicarpha drummondii</i> ] Dwarf bulrush	G4G5 /S1		ALB, GOS, PLA, WES	Rawlins BLM? <b>Rawhide WMA</b>	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Listera convallarioides</i> Broad-leaved twayblade	G5S1		ALB, CON, SHE, TET	Bighorn NF Grand Teton NP Medicine Bow NF Rawlins BLM Targhee NF Yellowstone NP	Widespread/ Edge	Low	Rare	Moderate Decline?	Unknown	High	Low
<i>Lithospermum multiflorum</i> Many-flowered gromwell	G4/ SH		LAR		Disjunct	Very Low	Unknown	Large Decline?	Unknown	Moderate	High
<i>Lobelia siphilitica</i> Great blue lobelia	G5S1		GOS, NIO	Ft. Laramie NHS	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Loeflingia squarrosa</i> var. <i>artemisiarum</i> Sage-like loeflingia	G5T2 T3/SH		SWE	Rock Springs BLM?	Widespread/ Edge	Very Low	Unknown	Large Decline?	Unknown	Moderate	Medium

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Loeflingia squarrosa</i> var. <i>texana</i> Texas spreading loeflingia	G5T4 ?/ S1		CRO, WES	Newcastle BLM?	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Lomatium attenuatum</i> Absaroka biscuitroot	G3/S2		PAR	Cody BLM Shoshone NF	Regional Endemic/ Core	Low	Uncommon	Unknown	Moderate Decline?	Moderate	Very High
<i>Lomatium triternatum</i> var. <i>anomalum</i> Ternate desert-parsley	G5T?/ S1		LIN	Fossil Butte NM Kemmerer BLM	Regional Endemic/ Edge?	Very Low	Rare	Unknown	Unknown	Moderate	Medium
<i>Lomatogonium rotatum</i> Marsh felwort	G5/S2		ALB, CAR, LAR	Medicine Bow NF	Disjunct	Low	Rare	Moderate Decline?	Unknown	Moderate	High
<i>Luzula glabrata</i> var. <i>hitchcockii</i> [ <i>Luzula hitchcockii</i> ] Smooth wood-rush	G5T4/ S1		PAR, TET	Bridger-Teton NF Grand Teton NP Shoshone NF Targhee NF Yellowstone NP	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Lycopodium dendroideum</i> Treelike clubmoss	G5/ S1S2		CRO	Black Hills NF	Disjunct	Low	Uncommon	Unknown	Unknown	Moderate	High
<i>Lycopus uniflorus</i> Northern bugleweed	G5/S1		CRO, TET	Black Hills NF Yellowstone NP	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Lysimachia thysiflora</i> Swamp loosestrife	G5/S1		ALB, TET	Yellowstone NP	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	High	Low
<i>Lythrum alatum</i> var. <i>alatum</i> Winged loosestrife	G5/S1		CRO, NIO, PLA	Casper BLM	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Machaeranthera bigelovii</i> var. <i>bigelovii</i> Bigelow's tansy-aster	G4G5 T? /S1		ALB	Medicine Bow NF	Regional Endemic/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Medium
<i>Machaeranthera coloradoensis</i> var. <i>coloradoensis</i> [ <i>Haplopappus coloradoensis</i> ] Colorado tansy-aster	G2T2 ?/ S2	USFS R2 Sensitive	ALB, CAR	Medicine Bow NF <b>Rawlins BLM</b>	Regional Endemic/ <b>Core?</b>	<b>Low</b>	Rare	Moderate Decline?	Unknown	Moderate	High
<i>Marsilea vestita</i> var. <i>oligospora</i> [ <i>Marsilea oligospora</i> ] Pepperwort	G5/S1		SUB, TET	Bridger-Teton NF? Grand Teton NP	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Melica smithii</i> Smith melic grass	G4/ SH		TET	Grand Tet on NP? Targhee NF? <b>Yellowstone NP?</b>	Widespread/ Edge	Very Low	Rare	Large Decline?	Unknown	Moderate	Low
<i>Mentzelia oligosperma</i> Few-seed stickleaf	G4/S1		CRO, PLA, WES	Casper BLM Guernsey St. Park	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Mentzelia rusbyi</i> Rusby's stickleaf	G4?/ S1		ALB, CAR	Medicine Bow NF Rawlins BLM?	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Mentzelia speciosa</i> Jeweled blazingstar	G3?/ S1		LAR		Regional Endemic/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Medium
<i>Mimulus nanus</i> Dwarf purple monkeyflower	G5/S1		TET	Yellowstone NP	Widespread/ Edge	Very Low	Rare	Unknown	Stable?	Moderate	Low
<i>Mimulus rubellus</i> Ciliolate-toothed monkeyflower	G5/S1		CAR, NAT, PAR	Casper BLM Rawlins BLM Yellowstone NP	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Stable	Moderate	Low



## Plant Species of Concern (continued)

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<i>Minuartia filiorum</i> [ <i>Arenaria filiorum</i> ; <i>A. rubella</i> var. <i>filiorum</i> ] Thread-branch stitchwort	G3G4 /S1		SUB, TET	Bridger-Teton NF	Regional Endemic/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Medium
<i>Monarda pectinata</i> Plains lemon bee-balm	G5/S1		GOS	Casper BLM	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Monardella odoratissima</i> var. <i>glauca</i> Mountain wild-mint	G4G5 T?/S1		LIN	Bridger-Teton NF	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Monolepis pusilla</i> Red poverty-weed	G5/S1		SWE, WAS	Rock Springs BLM Worland BLM?	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Montiastrum lineare</i> Linearleaf miner's-lettuce	G5/S1		PAR, TET	Yellowstone NP	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Muhlenbergia glomerata</i> [incl. in <i>Muhlenbergia racemosa</i> by some authors] Marsh muhly	G5/S2		CRO, GOS?, PAR, SUB, TET	Black Hills NF National Elk Refuge Pinedale BLM? Shoshone NF Yellowstone NP	Widespread/ Edge	<b>Low</b>	Rare	Moderate Decline?	Stable?	Moderate	Low
<i>Muhlenbergia montana</i> Mountain muhly	G5/S1		CAR, LAR	Curt Gowdy SP	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Muhlenbergia torreyi</i> Ring muhly	G4/S1		LAR		Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Musineon vaginatum</i> Sheathed musineon	G3?/ S2		BIG, SHE	Bighorn NF Cody BLM	Regional Endemic/ Edge	Low	Rare	Unknown	Unknown	Moderate	Medium
<i>Myosotis verna</i> Spring forget-me-not	G5/S1		CRO	Black Hills NF	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Myriophyllum quitense</i> Andean water-milfoil	G4?/ S1		TET	Yellowstone NP	Disjunct	Very Low	Unknown	Unknown	Unknown	Moderate	High
<i>Myriophyllum verticillatum</i> Whorled water-milfoil	G5/S1		PAR, TET	Yellowstone NP	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Najas guadalupensis</i> Southern naiad	G5/S1		SUB?, TET	Bridger-Teton NF? Grand Teton NP	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Nothocalais troximoides</i> False agoseris	G5/S1		PAR, SHE	Cody BLM Grand Teton NP <b>Yellowstone NP</b>	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Oenothera canescens</i> Spotted evening-primrose	G4G5 /S1		GOS		Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Oenothera howardii</i> Howard's evening-primrose	G3G4 /S1		LAR		Regional Endemic/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Medium
<i>Onoclea sensibilis</i> Sensitive fern	G5/S1		CRO	Black Hills NF	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Ophioglossum pusillum</i> [ <i>Ophioglossum vulgatum</i> ] Adder's-tongue	G5/S1		TET	Yellowstone NP	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Opuntia erinacea</i> var. <i>utahensis</i> Utah old man prickly -pear	G5T4/ S1?		SWE	Rock Springs BLM?	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Opuntia polyacantha</i> var. <i>juniperina</i> Juniper prickly-pear	G5T3 ?Q/ S1		SUB, SWE	Ashley NF (FGNRA) Kemmerer BLM Pinedale BLM Seedskaadee NWR	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Opuntia polyacantha</i> var. <i>rufispina</i> Rufous-spine prickly-pear	G5T5/ S2		LIN, SWE	Ashley NF (FGNRA) Kemmerer BLM Rawlins BLM Rock Springs BLM	Widespread/ Edge	Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Orobanche corymbosa</i> var. <i>corymbosa</i> [ <i>Orobanche californica</i> var. <i>corymbosa</i> ] Flat-top broomrape	G4T4/ S1		PAR, SUB, TET	Bridger-Teton NF Grand Teton NP Shoshone NF Yellowstone NP	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Orobanche ludoviciana</i> var. <i>arenosa</i> Louisiana broomrape	G5T5/ SH		TET	Grand Teton NP Yellowstone NP?	Widespread/ Edge	Very Low	Unknown	Large Decline?	Unknown	Moderate	Low
<i>Oxytheca dendroidea</i> Tree-like oxytheca	G4/ SH		FRE, HOT, SUB?, SWE	Lander BLM? Rock Springs BLM Worland BLM?	Widespread/ Edge	Very Low	Unknown	Large Decline?	Unknown	Moderate	Low
<i>Oxytropis besseyi</i> var. <i>obnapiformis</i> [ <i>Oxytropis obnapiformis</i> ] Maybell locoweed	G5T2/ S1		FRE, NAT, SWE, UIN	Lander BLM Kemmerer BLM	Regional Endemic/ Edge?	Low	Rare	Unknown	Unknown	Moderate	High
<i>Packera crocata</i> [ <i>Senecio crocatus</i> ] Saffron groundsel	G3S1 ?		ALB, SWE	Medicine Bow NF Rock Springs BLM	Regional Endemic/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	High
<i>Packera indecora</i> [ <i>Senecio indecorus</i> ] Plains ragwort	G5/S1		PAR	Shoshone NF	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Packera pseudoaurea</i> var. <i>flavula</i> [ <i>Senecio pseudoaureus</i> var. <i>flavulus</i> ] Streambank groundsel	G5T?/ S1		ALB, CAR, LAR	FE Warren AFB Medicine Bow NF	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Paeonia brownii</i> Brown's peony	G5/S1		TET	Grand Teton NP Targhee NF Yellowstone NP	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Palafoxia rosea</i> var. <i>macrolepis</i> Rosy palafoxia	G5T3 T4/S1		CON, GOS	Thunder Basin NG	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Papaver kluanense</i> [ <i>Papaver lapponicum</i> var. <i>occidentale</i> <i>P. radiculatum</i> ssp. <i>kluanensis</i> ] Alpine poppy	G3G4 /S2		BIG, FRE?, JOH?, PAR, SUB	Bighorn NF Bridger-Teton NF Cody BLM Shoshone NF	Disjunct	Low	Rare	Unknown	Stable?	Moderate	High
<b><i>Parnassia kotzebuei</i></b> <b>Kotzebuei's grass-of-parnassus</b>	G4/S2	<b>USFS R2 Sensitive</b>	<b>JOH, PAR, SUB, TET</b>	<b>Bighorn NF Bridger-Teton NF Grand Teton NP Shoshone NF</b>	<b>Widespread/ Edge</b>	<b>Low</b>	<b>Unknown</b>	<b>Unknown</b>	<b>Stable?</b>	<b>Moderate</b>	<b>Low</b>
<i>Paronychia jamesii</i> James nailwort	G4/S1		ALB, GOS		Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low

## Plant Species of Concern (continued)

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<i>Paronychia pulvinata</i> Rocky Mountain nailwort	G3/S1		ALB, CAR	Medicine Bow NF Rawlins BLM	Regional Endemic/ Edge	Very Low	Rare	Unknown	Stable?	Moderate	High
<i>Parrya nudicaulis</i> Naked-stemmed parrya	G5/S2	USFS R4 Sensitive	FRE, PAR, SUB, TET	Bridger-Teton NF Shoshone NF	Disjunct	Low	Uncommon	Unknown	Stable	Moderate	High
<i>Pectis angustifolia</i> Crown-seed fetid-marigold	G4G5 / S1		CON, GOS, PLA	Casper BLM? Thunder Basin NG	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Pedicularis contorta</i> var. <i>ctenophora</i> Coil-beaked lousewort	G5T3/ S2		BIG, JOH, SHE	Bighorn NF Buffalo BLM	Regional Endemic/ <b>Edge</b>	Low	Uncommon	Unknown	Unknown	Moderate	Medium
<i>Pedicularis oederi</i> Oeder's lousewort	G5/S2		PAR	Shoshone NF	Disjunct	Very Low	Uncommon	Unknown	Stable?	Moderate	High
<i>Pedicularis parryi</i> ssp. <i>mogollonica</i> Mogollon lousewort	G5T2 T4Q/ S1		BIG?, UIN	Bighorn NF? Wasatch-Cache NF	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Pediomelum digitatum</i> [ <i>Psoralea digitata</i> ] Palm-leaved scurfpea	G5/S1		GOS	Casper BLM	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Pediomelum linearifolium</i> [ <i>Psoralea linearifolia</i> ] Narrowleaf scurfpea	G4?/ S1		LAR		Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Pellaea atropurpurea</i> [WY material may all be <i>Pellaea gastonyi</i> ] Purple-stem cliff-brake	G5/S1 ?		CRO	Black Hills NF Newcastle BLM	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Pellaea gastonyi</i> Gastony's cliff-brake	G2G4 / S1		CRO	Black Hills NF	Widespread/ Edge	Very Low?	Rare	Unknown	Unknown	Moderate	Low
<i>Pellaea suksdorfiana</i> [ <i>Pellaea glabella</i> var. <i>simplex</i> ] Smooth cliff-brake	G5T4 ?/ S1		CRO, PLA, TET	Black Hills NF Targhee NF	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Penstemon absarokensis</i> Absaroka beardtongue	G2/S2	<b>USFS R2 Sensitive WY BLM Sensitive</b>	FRE, PAR	Cody BLM Shoshone NF Wind River IR	Local Endemic/ Core	Low	Uncommon	Unknown	Stable?	Moderate	Very High
<i>Penstemon acaulis</i> var. <i>acaulis</i> Stemless beardtongue	G3T2/ S1	USFS R4 Sensitive WY BLM Sensitive	SWE	Ashley NF (FGNRA) Rock Springs BLM	Regional Endemic/ Core	Very Low	Rare	Unknown	Moderate Decline	High	Very High
<i>Penstemon angustifolius</i> var. <i>caudatus</i> Narrowleaf beardtongue	G5T4 ?/ S1		GOS	Casper BLM	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<b><i>Penstemon caryi</i> Cary's beardtongue</b>	<b>G3/S3</b>	<b>USFS R2 Sensitive</b>	<b>BIG, SHE, WAS</b>	<b>Bighorn NF Cody BLM Worland BLM</b>	<b>Regional Endemic/ Core</b>	<b>Low</b>	<b>Uncommon</b>	<b>Unknown</b>	<b>Stable?</b>	<b>Moderate</b>	<b>High</b>
<i>Penstemon cyathophorus</i> North Park beardtongue	G3/ S1S2		CAR	Medicine Bow NF Rawlins BLM	Regional Endemic/ Edge	Low	Rare	Unknown	Stable?	Moderate	Medium
<i>Penstemon gibbensii</i> Gibbens' beardtongue	G1/S1	WY BLM Sensitive	CAR, SWE	Rawlins BLM	Regional Endemic/ Core	Very Low	Rare	Unknown	Moderate Decline?	High	Very High
<i>Penstemon haydenii</i> Blowout penstemon	G1/S1	USFWS Endanger.	CAR	Rawlins BLM	Regional Endemic/ Edge	Very Low	Rare	Unknown	Stable?	High	Very High

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Penstemon laricifolius</i> ssp. <i>exilifolius</i> White beardtongue	G4T2 Q/S2	USFS R2 Sensitive	LAR, NAT, NIO, PAR, SUB	Medicine Bow NF, Rawlins BLM	Regional Endemic/ Core	Low	Rare	Stable?	Unknown	Moderate	High
<i>Penstemon scariosus</i> var. <i>garrettii</i> Garrett's beardtongue	G4T3/ S1		SWE, UIN	Rock Springs BLM	Regional Endemic/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Medium
<i>Penstemon watsonii</i> Watson beardtongue	G5/ SH		UIN	Kemmerer BLM?	Regional Endemic/ Edge	Very Low	Unknown	Large Decline?	Unknown	Moderate	Medium
<i>Phacelia alba</i> [ <i>Phacelia neomexicana</i> var. <i>alba</i> ] White scorpion-weed	G4G5 /S1		ALB, LAR	Curt Gowdy SP Medicine Bow NF Rawlins BLM	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Phacelia demissa</i> [includes vars. <i>demissa</i> & <i>knightii</i> ] Intermountain phacelia	G5/S1		FRE, SWE	Rock Springs BLM	Regional Endemic/ Edge [If recognized, var. <i>knightii</i> is a local endemic/core]	Very Low	Rare	Unknown	Unknown	Moderate	Medium
<i>Phacelia denticulata</i> Rocky Mountain phacelia	G3?/ S2		ALB, LAR	Curt Gowdy SP Medicine Bow NF Rawlins BLM	Regional Endemic/ Edge	Low	Rare	Unknown	Moderate Decline?	Moderate	Medium
<i>Phacelia glandulosa</i> var. <i>deserta</i> Desert glandular phacelia	G4T1 T2Q/ S1?		LIN, SUB, SWE	Ashley NF (FGNRA) Kemmerer BLM Pinedale BLM Rawlins BLM Rock Springs BLM	Local Endemic/ Core	Low	Rare	Unknown	Unknown	Moderate	Very High
<i>Phacelia incana</i> Western phacelia	G3G4 /S1		CAR, SWE	Ashley NF (FGNRA) Rawlins BLM? Rock Springs BLM	Widespread/ Edge	Low	Rare	Unknown	Unknown	Moderate	Low
<i>Phacelia salina</i> Nelson phacelia	G3?Q/ S2		CAR, LIN, SUB, SWE, UIN	Pinedale BLM Rawlins BLM Rock Springs BLM	Widespread/ Edge	Low	Rare	Unknown	Unknown	Moderate	Low
<i>Phacelia tetramera</i> Tiny phacelia	G4/S1		FRE, SWE	Rock Springs BLM	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Philadelphus microphyllus</i> var. <i>occidentalis</i> Little-leaf mock-orange	G5?T 3T4/ S1		SWE	Ashley NF (FGNRA) Rock Springs BLM	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Phippsia algida</i> Ice grass	G5/S1		FRE?, PAR, SUB	Bridger-Teton NF Shoshone NF	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Phlox albomarginata</i> White-margined phlox	G4/S1		LIN	Kemmerer BLM	Regional Endemic/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Medium
<i>Phlox diffusa</i> ssp. <i>scleranthifolia</i> [included in <i>Phlox hoodii</i> by some authors] Diffuse phlox	G5T?/ S1		PAR	Shoshone NF	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Phlox pungens</i> Beaver Rim phlox	G2/S2	WY BLM Sensitive	FRE, LIN, SUB	Lander BLM Pinedale BLM Rock Springs BLM	Local Endemic/ Core	Low	Uncommon	Unknown	Stable?	Moderate	Very High
<i>Phryma leptostachya</i> Lopseed	G5/S1		CRO		Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Physalis virginiana</i> var. <i>virginiana</i> Virginia ground-cherry	G5/S1		CRO, WES	Black Hills NF Newcastle BLM	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Physaria condensata</i> Tufted twinpod	G2/S2	WY BLM Sensitive	LIN, SUB, UIN	Fossil Butte NM Kemmerer BLM Pinedale BLM Rock Springs BLM	Local Endemic/ Core	Low	Uncommon	Unknown	Stable	Moderate	Very High
<i>Physaria dornii</i> Dorn's twinpod	G1/S1	WY BLM Sensitive	LIN, UIN	Kemmerer BLM	Local Endemic/ Core	Very Low	Uncommon	Unknown	Stable	High	Very High
<i>Physaria lanata</i> [ <i>Physaria didymocarpa</i> var. <i>lanata</i> ] Woolly twinpod	G5T2/ S2	<b>USFS R2 Sensitive</b>	BIG, CAM, HOT?, JOH, PAR, SHE, WAS	Bighorn NF Buffalo BLM <b>Worland BLM</b>	Regional Endemic/ Core	Low	Uncommon	Unknown	Stable	Moderate	Very High
<i>Physaria saximontana</i> var. <i>saximontana</i> Rocky Mountain twinpod	G3T2/ S2	WY BLM Sensitive	CAR?, FRE, HOT, PAR	Lander BLM Shoshone NF Wind River IR Worland BLM	Local Endemic/ Core	Low	Uncommon	Unknown	Stable?	Moderate	Very High
<i>Physocarpus alternans</i> Dwarf ninebark	G4/S1		SWE	Rock Springs BLM	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Platanthera orbiculata</i> [ <i>Habenaria orbiculata</i> ] Round-leaved orchid	G5?/ S1	USFS R2 Sensitive	CRO	Black Hills NF	Disjunct	Very Low	Rare	Unknown	Unknown	High	High
<i>Polemonium micranthum</i> Annual polemonium	G5/ SH		PAR	Yellowstone NP	Widespread/ Edge	Very Low	Unknown	Large Decline?	Unknown	Moderate	Low
<i>Polygala verticillata</i> Whorled milkwort	G5/S1		CAM, CRO	Black Hills NF? Newcastle BLM Thunder Basin NG	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Polygonatum biflorum</i> Common Solomon's-seal	G5/S1		CRO	Black Hills NF	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Polygonum spergulariiforme</i> Fall knotweed	G5T4 ?/ S1		JOH?, PAR, SHE, WAS	Worland BLM	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Polypodium saximontanum</i> [ <i>Polypodium vulgare</i> var. <i>columbianum</i> ] Rocky Mountain polypody	G3?/ S1		ALB, CAR, CON	Medicine Bow NF	Regional Endemic/ Edge	Very Low	Rare	Unknown	Stable?	Moderate	Medium
<i>Polystichum scopulinum</i> Rock holly -fern	G5/ SH		TET	Targhee NF Yellowstone NP	Widespread/ Edge	Very Low	Unknown	Large Decline?	Unknown	Moderate	Low
<i>Populus deltoides</i> var. <i>wislizeni</i> [ <i>Populus fremontii</i> var. <i>wislizeni</i> ] Fremont cottonwood	G5T4/ S1		CAR, SWE	Rawlins BLM	Widespread/ Edge	Very Low	Unknown	Unknown	Stable	Moderate	Low
<i>Porterella carnosula</i> Western porterella	G4/S1		TET, UIN	Grand Teton NP Wasatch-Cache NF Yellowstone NP	Widespread/ Edge	Very Low	Uncommon	Moderate Decline?	Unknown	Moderate	Low
<i>Potamogeton amplifolius</i> Large-leaved pondweed	G5/S1		CAR, FRE, JOH, PAR, SUB	Bighorn NF Bridger-Teton NF Medicine Bow NF Shoshone NF	Widespread/ Edge	Low	Rare	Unknown	Unknown	Moderate	Low
<i>Potamogeton diversifolius</i> Water-thread pondweed	G5/S1		CRO	Black Hills NF	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Potamogeton friesii</i> Fries pondweed	G4/S1		CAR, PAR, TET	Bridger-Teton NF Grand Teton NP Medicine Bow NF	Widespread/Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Potamogeton illinoensis</i> Illinois pondweed	G5/S1		ALB, NAT, PAR, SUB	Bridger-Teton NF <b>Casper BLM?</b> <b>Yellowstone NP</b>	Widespread/Edge	Very Low	Unknown	Large Decline?	Unknown	Moderate	Low
<i>Potamogeton nodosus</i> Longleaf pondweed	G5/S1		CAR, FRE, PLA, TET	Rawlins BLM? Wind River IR Yellowstone NP	Widespread/Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Potamogeton obtusifolius</i> Blunt-leaf pondweed	G5/SH		TET	Grand Teton NP JDR Parkway	Disjunct	Very Low	Unknown	Large Decline?	Unknown	Moderate	High
<i>Potamogeton praelongus</i> White-stem pondweed	G5/S1		ALB, PAR	Medicine Bow NF Shoshone NF Yellowstone NP	Widespread/Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Potamogeton robbinsii</i> Flatleaf pondweed	G5/S1		CAR, FRE, SUB, TET	Bridger-Teton NF Medicine Bow NF Yellowstone NP	Disjunct	Very Low	Unknown	Unknown	Large Decline?	Moderate	High
<i>Potamogeton strictifolius</i> Strict-leaved pondweed	G5/S1?		ALB, SUB, SWE?, TET	Bridger-Teton NF Rawlins BLM Rock Springs BLM? Yellowstone NP	Disjunct	Very Low	Unknown	Unknown	Moderate Decline?	Moderate	High
<i>Potamogeton zosteriformis</i> Flatstem pondweed	G5/SH		TET	Grand Teton NP	Widespread/Edge	Very Low	Unknown	Unknown	Moderate Decline?	Moderate	Low
<i>Potentilla ambigens</i> Giant cinquefoil	G3/SH		ALB	Rawlins BLM?	Widespread/Edge	Very Low	Unknown	Large Decline?	Unknown	Moderate	Medium
<i>Potentilla hyparctica</i> [ <i>Potentilla nana</i> ] Arctic cinquefoil	G4G5/S1		FRE, SUB	Bridger-Teton NF Shoshone NF	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Potentilla multisecta</i> [ <i>Potentilla diversifolia</i> var. <i>multisecta</i> ] Deep Creek cinquefoil	G3G4/Q/S1		SWE, UIN	Kemmerer BLM Rock Springs BLM	Widespread/Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Potentilla subjuga</i> Twinleaf cinquefoil	G4/S2		FRE, HOT, PAR	<b>Bridger-Teton NF</b> Cody BLM Shoshone NF <b>Worland BLM</b>	Regional Endemic/Edge	Low	Rare	Unknown	Unknown	Moderate	Medium
<i>Potentilla uniflora</i> One-flower cinquefoil	G5/S2		FRE, HOT?, PAR, SUB, TET	Bridger-Teton NF Shoshone NF	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Prenanthes racemosa</i> ssp. <i>multiflora</i> Many-flowered rattlesnake-root	G5T4/S1		ALB, CRO	Black Hills NF Medicine Bow NF	Widespread/Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Primula egaliksensis</i> Greenland primrose	G4/S1	USFS R2 Sensitive Bridger-Teton NF Sensitive	PAR, SUB	Bridger-Teton NF Shoshone NF	Disjunct	Very Low	Rare	Unknown	Stable?	High	High

Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Prosartes hookeri</i> Drops of gold (Hooker's fairybell)	G5T4 T5/S2		CRO	Black Hills NF	Disjunct	Low	Rare	Unknown	Unknown	Moderate	High
<i>Pseudognaphalium microcephalum</i> var. <i>thermale</i> [ <i>Gnaphalium microcephalum</i> var. <i>thermale</i> ] White cudweed	G5T4 Q/S1		PAR, TET	Yellowstone NP	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Psilocarpus brevissimus</i> Dwarf woolly-heads	G4/S2		CAM, FRE, NAT, SUB	Casper BLM Lander BLM Pinedale BLM <b>Rock Springs BLM</b>	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Puccinellia cusickii</i> [Incl. in <i>P. nuttalliana</i> by some authors] Cusick's alkali-grass	G3G4 Q/S1		ALB, CRO, JOH, NAT		Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Pyrrocoma carthamoides</i> var. <i>subsquarrosa</i> [ <i>Haplopappus carthamoides</i> var. <i>subsquarrosus</i> s] Absaroka goldenweed	G4G5 T2T3/ S2	USFS R2 Sensitive	PAR	Cody BLM Shoshone NF	Regional Endemic/ Core	Low	Rare	Unknown	Unknown	Moderate	Very High
<i>Pyrrocoma clementis</i> var. <i>clementis</i> [ <i>Haplopappus clementis</i> ] Tranquil goldenweed	G3G4 T?/S1		CAR, FRE	Medicine Bow NF?	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Pyrrocoma clementis</i> var. <i>villosa</i> [ <i>Haplopappus clementis</i> ] Hairy tranquil goldenweed	G3G4 T?/S1	<b>USFS R2 Sensitive</b>	BIG, FRE, JOH, SHE, WAS	Bighorn NF Wind River IR Worland BLM	Regional Endemic/ Core	Very Low	Rare	Moderate Decline?	Unknown	High	Very High
<i>Pyrrocoma crocea</i> [ <i>Haplopappus croceus</i> ] Western goldenweed	G4?/ S1		CAR	Medicine Bow NF Rawlins BLM	Widespread/ Edge	Very Low	Uncommon	Moderate Decline?	Unknown	Moderate	Low
<i>Pyrrocoma integrifolia</i> [ <i>Haplopappus integrifolius</i> ] Entire-leaved goldenweed	G3?/ S1	<b>USFS R2 Sensitive</b>	BIG, FRE, PAR, WAS	Shoshone NF Worland BLM? Yellowstone NP	Regional Endemic/ Edge	Very Low	Unknown	Moderate Decline?	Unknown	Moderate	Medium
<i>Ranunculus flabellaris</i> Yellow water-crowfoot	G5/ SH		UIN	Kemmerer BLM?	Widespread/ Edge	Very Low	Unknown	Large Decline?	Unknown	Moderate	Low
<i>Ranunculus gelidus</i> [ <i>Ranunculus verecundus</i> ] Timberline buttercup	G5/S1		FRE, PAR, TET	Shoshone NF	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Rayjacksonia annua</i> [ <i>Haplopappus annuus</i> ] Viscid tansy -aster	G4G5 /S1		GOS, WES	Thunder Basin NG	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Rorippa calycina</i> Persistent sepal yellowcress	G3/ S2S3	WY BLM Sensitive	ALB, BIG, CAR, FRE, PAR, SWE, WAS	Ashley NF (FGNRA) Bighorn Canyon NRA Boysen St. Park Buffalo Bill St. Park Cody BLM Lander BLM Pathfinder NWR Rawlins BLM Seminole St. Park Worland BLM	Regional Endemic/ Core	<b>Moderate</b>	Uncommon	Moderate Decline?	Increase?	Moderate	High
<i>Rorippa truncata</i> [ <i>Rorippa curvipes</i> var. <i>truncata</i> ] Wild yellowcress	G5/S1		FRE, GOS, NAT, PAR	Pathfinder NWR	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Rubus acaulis</i> [ <i>Rubus arcticus</i> ssp. <i>acaulis</i> ] Northern blackberry [Nagoonberry]	G5/S1	USFS R2 Sensitive	JOH, TET	Bighorn NF Yellowstone NP	Widespread/ Edge	Very Low	Rare	Unknown	Stable?	High	Low
<i>Sagittaria latifolia</i> var. <i>latifolia</i> Broadleaf arrowhead	G5T5/ S1		GOS		Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Salix barrattiana</i> Barratt willow	G5/S1	<b>USFS R2 Sensitive</b>	PAR	Shoshone NF	Disjunct	Very Low	Rare	Unknown	Stable	High	High
<i>Salix candida</i> Hoary willow	G5/S2	<b>USFS R2 Sensitive</b>	ALB, PAR, SUB, TET	Bridger-Teton NF Medicine Bow NF Pinedale BLM? National Elk Refuge Shoshone NF Yellowstone NP	Widespread/ Edge	Low	Rare	Moderate Decline?	Moderate Decline?	High	Low
<i>Salix myrtillofolia</i> var. <i>myrtillofolia</i> Myrtleleaf willow	G5T5/ S1	USFS R2 Sensitive	PAR	Shoshone NF	Disjunct	Very Low	Rare	Unknown	Unknown	High	High
<i>Salix serissima</i> Autumn willow	G4/S1	USFS R2 Sensitive	ALB	Medicine Bow NF	Disjunct	Very Low	Rare	Unknown	Stable	Moderate	High
<i>Sambucus cerulea</i> Blue elderberry	G5?/ S1?		JOH, SHE, SWE	Bighorn NF? Rock Springs BLM	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Sanicula graveolens</i> Sierra sanicle	G4/ S1S2		PAR, TET	Shoshone NF Yellowstone NP	<b>Disjunct</b>	Low	Rare	Unknown	Stable?	Moderate	High
<i>Saussurea weberi</i> [Incl. in <i>S. densa</i> by some authors] Weber's saw-wort	G2G3 /S2	USFS R4 Sensitive	FRE, SUB, TET	Bridger-Teton NF Shoshone NF	Regional Endemic/ Edge	Low	Uncommon	Unknown	Stable?	Moderate	Medium
<i>Saxifraga serpyllifolia</i> var. <i>chrysantha</i> [ <i>Saxifraga chrysantha</i> ] Golden saxifrage	G4/S1		ALB, CAR, FRE, PAR, SUB	Bridger-Teton NF Medicine Bow NF Shoshone NF	Widespread/ Edge	Low	Rare	Unknown	Unknown	Moderate	Low
<i>Scheuchzeria palustris</i> Pod-grass	G5/S1		TET	Yellowstone NP	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High



## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Schoenoplectus americanus</i> [ <i>Scirpus americanus</i> ] American bulrush	G5/S2		BIG, FRE, PAR, TET	Yellowstone NP JDR Parkway	Widespread/Edge	Low	Unknown	Unknown	Stable?	Moderate	Low
<i>Schoenoplectus heterochaetus</i> [ <i>Scirpus heterochaetus</i> ] Slender bulrush	G5/S1		CAM, CRO, SHE		Widespread/Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Schoenoplectus saximontanus</i> [ <i>Scirpus saximontanus</i> ] Rocky Mountain bulrush	G5/S1		GOS	Casper BLM?	Widespread/Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Schoenoplectus subterminalis</i> [ <i>Scirpus subterminalis</i> ] Water bulrush	G4G5/S1		TET	Yellowstone NP	Disjunct	Very Low	Rare	Unknown	Stable?	Moderate	High
<i>Scirpus cyperinus</i> Cottongrass bulrush	G5/S2		CRO, YEL	Black Hills NF Yellowstone NP	Widespread/Edge	Low	Uncommon	Unknown	Stable?	Moderate	Low
<i>Scolochloa festucacea</i> Sprangle-top	G5/S1		PAR	Yellowstone NP	Disjunct	Very Low	Rare?	Unknown	<b>Moderate Decline?</b>	Moderate	High
<i>Selaginella mutica</i> Blunt-leaf spike-moss	G4G5/S1		CAR, LAR, SWE	Ashley NF (FGNRA) Curt Gowdy SP Medicine Bow NF	Widespread/Edge	Very Low	Rare	Unknown	Stable?	Moderate	Low
<i>Selaginella rupestris</i> Ledge spike-moss	G5/S1		CRO, WES	Black Hills NF	Disjunct	Very Low	Rare	Unknown	Stable?	Moderate	High
<i>Selaginella selaginoides</i> Low spike-moss	G5/S1	<b>USFS R2 Sensitive</b>	SUB, TET	Bridger-Teton NF Pinedale BLM Targhee NF Yellowstone NP	Widespread/Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Selaginella underwoodii</i> Underwood's spike-moss	G5?/S1		ALB, LAR, PLA	Medicine Bow NF	Widespread/Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Selaginella watsonii</i> Watson's spike-moss	G4/S1		PAR	Shoshone NF	Widespread/Edge	Very Low	Rare	Unknown	Stable?	Moderate	Low
<i>Senecio hydrophiloides</i> Sweet-marsh butterweed	G5/S1		TET	Grand Teton NP	Widespread/Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Senecio spartioides</i> var. <i>multicapitatus</i> Many-headed broom groundsel	G5T4/S1		CAR, SWE	Rawlins BLM Rock Springs BLM	Widespread/Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Sesuvium verrucosum</i> Sea purslane	G5/S1?		CAM	Thunder Basin NG?	Widespread/Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Shinneroseris rostrata</i> Annual skeleton-weed	G5?/S1		CAR, GOS, LAR, PLA	Casper BLM Rawlins BLM	Widespread/Edge	Low	Rare	Unknown	Unknown	Moderate	Low
<i>Shoshonea pulvinata</i> Shoshonea	G2G3/S2	<b>USFS R2 Sensitive WY BLM Sensitive</b>	FRE, HOT, PAR	Cody BLM Shoshone NF Wind River IR Worland BLM	Regional Endemic/ Core	Low	Uncommon	Unknown	Stable?	Moderate	Very High
<i>Silene douglasii</i> Douglas' campion	G4/S1		LIN	Kemmerer BLM	Widespread/Edge	Low	Rare	Unknown	Unknown	Moderate	Low
<i>Silene kingii</i> "var. <i>kingii</i> " King's campion	G2G4 QT?/S1		FRE, HOT, PAR	Cody BLM Shoshone NF	Disjunct	Low	Rare	Unknown	Unknown	Moderate	High

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Silene kingii</i> var. <i>novum</i> new variety of King's campion	G2G4 QT?/ S1		PAR	Shoshone NF	Local Endemic/ Core	Very Low	Rare	Unknown	Unknown	Moderate	Very High
<i>Silene repens</i> var. <i>australe</i> Creeping campion	G5T3/ S1		SUB, TET	Bridger-Teton NF	Regional Endemic/Edge	Very Low	Rare	Unknown	Unknown	Moderate	Medium
<i>Silphium integrifolium</i> var. <i>laeve</i> Rosinweed	G4G5 T4?/ S1		LAR	FE Warren AFB	Disjunct	Very Low	Rare	Unknown	Stable?	Moderate	High
<i>Sisyrinchium idahoense</i> var. <i>idahoense</i> Idaho blue-eyed grass	G5T4/ S1		PAR, TET	Yellowstone NP	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Sorghastrum nutans</i> Indian grass	G5/S1		CRO, GOS, PLA	Black Hills NF Fort Laramie NHS	Widespread/ Edge	Very Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Sparganium eurycarpum</i> Large bur-reed	G5/S1		CRO, NIO, SHE	Black Hills NF	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Sparganium natans</i> [ <i>Sparganium minimum</i> ] Small bur-reed	G5/S1		CAR, FRE, PAR, TET	Grand Teton NP Medicine Bow NF Shoshone NF Yellowstone NP	Widespread/ Edge	Very Low	Rare	Unknown	Stable?	Moderate	Low
<i>Sphaeromeria simplex</i> Laramie false sagebrush	G2/S2	WY BLM Sensitive	ALB, CAR, CON, NAT	Rawlins BLM	Local Endemic/ Core	Low	Uncommon	Unknown	Stable?	High	Very High
<i>Spiranthes diluvialis</i> Ute ladies' tresses	G3/S1	USFWS Threaten.	CON, GOS, LAR, NIO	Casper BLM	Widespread/ Edge	Very Low	Rare	Unknown	Moderate Decline?	High	High
<i>Spirodela polyrrhiza</i> Common water-flaxseed	G5/ SH		TET	Grand Teton NP	Widespread/ Edge	Very Low	Unknown	Moderate Decline?	Unknown	Moderate	Low
<i>Sporobolus compositus</i> [ <i>Sporobolus asper</i> ] Longleaf dropseed	G5T5/ S1		CAM, CRO, GOS		Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Sporobolus heterolepis</i> Northern dropseed	G5/S1		CRO, WES		Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Sporobolus neglectus</i> Small dropseed	G5/ SH		BIG, PAR	Cody BLM?	Widespread/ Edge	Very Low	Unknown	Moderate Decline?	Unknown	Moderate	Low
<i>Stellaria crispa</i> Crimped stitchwort	G5/S1		PAR, TET	Grand Teton NP Yellowstone NP	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Stephanomeria fluminea</i> Teton wire-lettuce	G2/S2		PAR, SUB, TET	Bridger-Teton NF Grand Teton NP Shoshone NF	Local Endemic/ Core	Low	Uncommon	Unknown	Unknown	Moderate	Very High
<i>Stephanomeria pauciflora</i> Prairie skeletonplant	G5/S1		PLA	Casper BLM	Widespread/ Edge	Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Symphyotrichum porteri</i> [ <i>Aster porteri</i> ] Porter's aster	G3G4 /S1		ALB, CAR?, LAR	Curt Gowdy SP Medicine Bow NF	Regional Endemic/ Edge	Very Low	Rare	Unknown	Stable?	Moderate	Medium
<i>Talinum parviflorum</i> Small-flowered fame-flower	G5/S2		ALB, CAM, CON, LAR, PLA, WES	Buffalo BLM? Medicine Bow NF Thunder Basin NG?	Widespread/ Edge	Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Thelesperma caespitosum</i> Green River greenthread	G1/S1	USFS R4 Sensitive WY BLM Sensitive	SWE	Ashley NF (FGNRA) Rock Springs BLM	Regional Endemic/ Core	Very Low	Uncommon	Unknown	Moderate Decline?	High	Very High

Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Thelesperma pubescens</i> Uinta greenthread	G1/S1	USFS R4 Sensitive WY BLM Sensitive	SWE, UIN	Rock Springs BLM Wasatch-Cache NF	Local Endemic/ Core	Very Low	Uncommon	Unknown	Stable?	High	Very High
<i>Tonestus pygmaeus</i> [ <i>Haplopappus pygmaeus</i> ] Pygmy goldenweed	G4/S1		ALB, CAR	Medicine Bow NF	Widespread/ Edge	Very Low	Rare	Unknown	Stable?	Moderate	Low
<i>Torreyochloa pallida</i> var. <i>fernaldii</i> [ <i>Puccinellia fernaldii</i> ] Fernald alkali-grass	G5?T 4Q/ S1		TET	Grand Teton NP	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Townsendia condensata</i> var. <i>anomala</i> [ <i>Townsendia anomala</i> ] North Fork Easter-daisy	G4T2/ S2	USFS R2 Sensitive	PAR	Shoshone NF	Local Endemic/ Core	Low	Uncommon	Unknown	Stable?	High	Very High
<i>Townsendia florifera</i> [ <i>Townsendia florifer</i> ] Showy Easter-daisy	G5/ SH		TET	Grand Teton NP?	Widespread/ Edge	Very Low	Unknown	Large Decline?	Unknown	Moderate	Low
<i>Townsendia microcephala</i> Cedar Mountain Easter-daisy	G1/S1	WY BLM Sensitive	SWE, UIN	Rock Springs BLM	Local Endemic/ Core	Very Low	Rare	Unknown	Stable?	High	Very High
<i>Tradescantia bracteata</i> Long-bract spiderwort	G5/S1		CRO	Black Hills NF?	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Trautvetteria carolinensis</i> Carolina tassel-rue	G5/S1		TET	Yellowstone NP	Disjunct	Very Low	Rare	Unknown	Unknown	Moderate	High
<i>Trichophorum pumilum</i> [ <i>Scirpus rollandii</i> , <i>S. pumilus</i> ] Pygmy bulrush	G3Q/ S1		ALB, PAR, TET	Bridger-Teton NF Medicine Bow NF National Elk Refuge Shoshone NF	Disjunct	Very Low	Rare	Unknown	Stable?	Moderate	High
<i>Trifolium barnebyi</i> [ <i>Trifolium haydenii</i> var. <i>barnebyi</i> ] Barneby's clover	G1/S1	WY BLM Sensitive	FRE	Lander BLM	Local Endemic/ Core	Very Low	Uncommon	Unknown	Stable?	High	Very High
<i>Trillium ovatum</i> Western trillium	G5/S2		CAR	Medicine Bow NF Rawlins BLM	Disjunct	Low	Rare	Unknown	Unknown	Moderate	High
<i>Triodanis holzingeri</i> Holzinger Venus' looking-glass	G4/S1		GOS, PLA	Casper BLM?	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Triodanis leptocarpa</i> Slim-pod Venus' looking-glass	G5?/ S1		CAM, CRO, JOH, SHE	Bighorn NF? Black Hills NF	Widespread/ Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Trisetum canescens</i> Tall trisetum	G5/S1		TET	Yellowstone NP	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Triteleia grandiflora</i> [ <i>Brodiaea grandiflora</i> ] Large flower triteleia	G4G5 / S2	USFS R2 Sensitive	LIN, TET	Bridger-Teton NF? Caribou NF Grand Teton NP Targhee NF Yellowstone NP	Widespread/ Edge	Low	Rare	Unknown	Moderate Decline?	Moderate	Low
<i>Utricularia intermedia</i> Flat-leaf bladderwort	G5/S1		TET	National Elk Refuge	Widespread/ Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low

## Plant Species of Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Utricularia minor</i> Lesser bladderwort	G5/S2	<b>USFS R2 Sensitive</b>	ALB, PAR, TET, WAS	Bighorn NF Grand Teton NP Medicine Bow NF Shoshone NF Yellowstone NP	Widespread/Edge	Low	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Vaccinium myrtilloides</i> var. <i>oreophilum</i> Dwarf bilberry	G5T?/S1		ALB, CAR, TET	Medicine Bow NF Yellowstone NP	Widespread/Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Viburnum edule</i> Squashberry	G5/S1		ALB, <b>CRO</b> , PAR	<b>Black Hills NF</b> Medicine Bow NF Shoshone NF Yellowstone NP	Widespread/Edge	Low?	Rare	Moderate Decline?	Unknown	Moderate	Low
<i>Viburnum opulus</i> var. <i>americanum</i> Highbush cranberry	G5T5/S1	<b>USFS R2 Sensitive</b>	CRO	Black Hills NF	Disjunct	Low	Rare	Unknown	Unknown	Moderate	High
<i>Viola orbiculata</i> Western rough-leaved violet	G4/S1		LIN, FRE, TET	Grand Teton NP JDR Parkway Yellowstone NP	Widespread/Edge	Very Low	Unknown	Moderate Decline?	Unknown	Moderate	Low
<i>Viola pedatifida</i> Prairie violet	G5/S1		CRO	Black Hills NF Devils Tower NM Newcastle BLM?	Widespread/Edge	Very Low	Rare	Unknown	Unknown	Moderate	Low
<i>Viola renifolia</i> var. <i>brainerdii</i> Kidney leaf white violet	G5T5/S1		CRO, TET	Black Hills NF Bridger-Teton NF? Targhee NF	Disjunct	Very Low	Unknown	Unknown	Unknown	Moderate	High
<i>Xerophyllum tenax</i> Western beargrass	G4G5/S1		TET	Grand Teton NP JDR Parkway Targhee NF Yellowstone NP	Widespread/Edge	Very Low	Unknown	Unknown	Unknown	Moderate	Low
<i>Yermo xanthocephalus</i> Desert yellowhead	G1/S1	USFWS Threaten.	FRE	Lander BLM	Local Endemic/Core	Very Low	Rare	Unknown	Stable?	High	Very High

## Plant Species of Potential Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Antennaria aromatica</i> Aromatic pussytoes	G3G4/S2		BIG, FRE, LIN, PAR, SUB, TET	Bighorn NF Bridger-Teton NF Cody BLM Grand Teton NP Shoshone NF Yellowstone NP	Regional Endemic/ Edge	Moderate	Uncommon	Unknown	Stable?	Moderate	High
<i>Astragalus drabelliformis</i> Big Piney milkvetch	G2G3/S2S3		LIN?, SUB	Bridger-Teton NF Pinedale BLM	Local Endemic/Core	Moderate	Abundant	Moderate Decline	Moderate Decline	Low	Very High
<i>Astragalus nelsonianus</i> [ <i>Astragalus pectinatus</i> var. <i>platyphyllus</i> ] Nelson's milkvetch	G3/S3		FRE, NAT, SWE	Ashley NF (FGNRA) Casper BLM Lander BLM Rawlins BLM Rock Springs BLM	Regional Endemic/ Core	Moderate	Uncommon	Stable?	Stable	Low	Very High
<i>Astragalus shultziorum</i> [ <i>Astragalus molybdenus</i> , A. m. var. <i>shultziorum</i> ] Shultz's milkvetch	G3Q/S3		LIN, SUB, TET	Bridger-Teton NF Grand Teton NP Targhee NF	Local Endemic/Core	Moderate	Uncommon	Unknown	Stable?	Moderate	Very High
<i>Astragalus tridactylus</i> Three-fingered milkvetch	G4/S2		ALB, LAR, PLA?	Rawlins BLM?	Regional Endemic/ Edge	Low	Uncommon	Unknown	Unknown	Moderate	High
<i>Boechea pendulina</i> var. <i>russeola</i> [ <i>Arabis pendulina</i> var. <i>russeola</i> ] Daggett rock cress	G5T3/S3		ALB, CAR, FRE, NAT, SUB?, SWE, UIN?	Casper BLM Lander BLM Rawlins BLM Rock Springs BLM	Regional Endemic/ Core	Moderate	Uncommon	Unknown	Stable?	Moderate	Very High
<i>Boechea williamsii</i> var. <i>williamsii</i> [ <i>Arabis williamsii</i> var. <i>williamsii</i> ] Williams' rock cress	G3QT 3/S3		FRE, PAR, SUB	Bridger-Teton NF Rock Springs BLM Shoshone NF	Regional Endemic/ Core	Moderate	Uncommon	Unknown	Unknown	Moderate	Very High
<i>Castilleja crista-galli</i> Cock's-comb paintbrush	G3/S2		PAR	Shoshone NF Yellowstone NP	Regional Endemic/ Edge	Low	Unknown	Unknown	Stable?	Moderate	High
<i>Castilleja nivea</i> Snow paintbrush	G3/S2		FRE, HOT, PAR	Buffalo Bill St. Park Cody BLM Shoshone NF	Regional Endemic/ Core	Moderate	Uncommon	Unknown	Stable?	Moderate	Very High
<i>Castilleja nivea</i> Snow paintbrush	G3/S2		FRE, HOT, PAR	Buffalo Bill St. Park Cody BLM Shoshone NF	Regional Endemic/ Core	Moderate	Uncommon	Unknown	Stable?	Moderate	Very High
<i>Cryptantha stricta</i> <i>Erect cryptantha</i>	G3/S2		CAR, FRE, NAT, SWE, UIN	Ashley NF (BCNRA) Casper BLM Kemmerer BLM Lander BLM Rawlins BLM Rock Springs BLM	Regional Endemic/ Core	Low	Uncommon	Unknown	Stable	Moderate	Very High
<i>Draba crassa</i> Thick-leaf whitlow-grass	G3/S2		FRE, PAR, SUB, TET	Bridger-Teton NF Grand Teton NP Shoshone NF	Regional Endemic/ Edge	Low	Uncommon	Unknown	Stable?	Moderate	High

## Plant Species of Potential Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Draba globosa</i> [ <i>Draba apiculata</i> var. <i>apiculata</i> ; <i>D. densifolia</i> var. <i>apiculata</i> ] Rockcress draba	G3/S2	USFS R4 Sensitive	ALB, FRE, LIN, PAR, SUB, TET	Bridger-Teton NF Grand Teton NP Medicine Bow NF Shoshone NF Targhee NF	Regional Endemic/ Edge	Low	Uncommon	Unknown	Stable	Moderate	High
<i>Ericameria discoidea</i> var. <i>linearis</i> [ <i>Haplopappus macronema</i> var. <i>linearis</i> ; <i>H. m.</i> var. <i>canescens</i> ] Narrowleaf goldenweed	G4G5 T3/ S2	USFS R4 Sensitive	FRE, LIN, PAR, SUB, TET	Bridger-Teton NF Kemmerer BLM Shoshone NF Wind River IR Yellowstone NP	Regional Endemic/ Edge	Moderate	Uncommon?	Unknown	Stable?	Moderate	High
<i>Erigeron allocotus</i> Bighorn fleabane	G3/S2 S3		BIG, SHE, WAS	Bighorn Canyon NRA Bighorn NF Cody BLM Worland BLM	Regional Endemic/ Core	Moderate	Uncommon	Unknown	Stable	Moderate	Very High
<i>Erigeron flabellifolius</i> Fan-leaved fleabane	G3G4 /S2		HOT, PAR	Cody BLM Shoshone NF Yellowstone NP	Regional Endemic/ Core	Low	Uncommon	Unknown	Stable?	Moderate	Very High
<i>Eriogonum brevicaulis</i> var. <i>canum</i> [ <i>Eriogonum lagopus</i> ] Rabbit buckwheat	G3/S2		BIG, PAR, SHE	Bighorn Canyon NRA Cody BLM	Regional Endemic/ Core	Low	Abundant	Unknown	Stable	Moderate	Very High
<i>Ipomopsis crebrifolia</i> [ <i>Ipomopsis congesta</i> ssp. <i>crebrifolia</i> ] Compact gilia	G3/S2 S3		FRE, LIN, SUB, SWE, TET	Bridger-Teton NF Kemmerer BLM Pinedale BLM Rock Springs BLM	Regional Endemic/ Core	Moderate	Uncommon	Unknown	Stable?	Moderate	Very High
<i>Lesquerella paysonii</i> Payson's bladderpod	G3/S3	USFS R4 Sensitive	LIN, SUB, TET	Bridger-Teton NF Grand Teton NP Pinedale BLM Targhee NF	Regional Endemic/ Core	Moderate	Uncommon	Unknown	Stable?	Moderate	Very High
<i>Lomatium bicolor</i> var. <i>bicolor</i> Wasatch biscuitroot	G4T3/ S2		LIN, SUB, TET, UIN	Bridger-Teton NF Rock Springs BLM Targhee NF	Regional Endemic/ Edge	Low	Uncommon	Unknown	Unknown	Moderate	High
<i>Mentzelia sinuata</i> Wavy-leaf stickleaf	G3?/S 2		ALB, LAR	Rawlins BLM?	Regional Endemic/ Edge	Low	Unknown	Unknown	Unknown	Moderate	High
<i>Oonopsis wardii</i> [ <i>Haplopappus wardii</i> ] Ward's goldenweed	G3/S3		ALB, CAR, NAT, PLA	Casper BLM Hutton Lake NWR Rawlins BLM	Local Endemic/Core	Moderate	Uncommon	Unknown	Increase?	Moderate	Very High
<i>Pedicularis pulchella</i> Mountain lousewort	G3/S2		BIG, FRE, HOT, JOH, PAR, SUB, TET	Bighorn NF Bridger-Teton NF Shoshone NF	Regional Endemic/ Core	Low	Uncommon	Unknown	Stable?	Moderate	Very High
<i>Penstemon caryi</i> Cary beardtongue	G3/S3	USFS R2 Sensitive	BIG, SHE, WAS	Bighorn NF Cody BLM Worland BLM	Regional Endemic/ Core	Low	Uncommon	Unknown	Stable?	Moderate	Very High
<i>Penstemon pachyphyllus</i> var. <i>mucronatus</i> [P. <i>mucronatus</i> ] Sheep Creek beardtongue	G5T4/ S2		CAR, SWE	Ashley NF (FGNRA) Rawlins BLM Rock Springs BLM	Regional Endemic/ Edge	Low	Uncommon	Unknown	Stable?	Moderate	High

## Plant Species of Potential Concern (continued)

Scientific Name Common Name	Heritage Rank	Federal Status	County	Managed Areas	Range Context	# Occurs.	Abundance	Historic Trends	Recent Trends	Intrinsic Vulnerability	Wyoming Contribution Rank
<i>Phlox opalensis</i> <i>Opal phlox</i>	G3/S3		LIN, SUB, SWE, UIN	Ashley NF (FGNRA) Kemmerer BLM Pinedale BLM Rock Springs BLM Seedskaadee NWR	Regional Endemic/ Core	Moderate	Abundant	Unknown	Stable	Moderate	Very High
<i>Physaria eburniflora</i> <i>Devil's Gate twinpod</i>	G3/S3		CAR, FRE, NAT	Casper BLM Lander BLM Rawlins BLM	Local Endemic/Core	Moderate	Uncommon	Unknown	Stable	Moderate	Very High
<i>Physaria vitulifera</i> <i>Rydberg twinpod</i>	G4/S2		ALB, CAR, NAT	Medicine Bow NF Rawlins BLM	Regional Endemic/ Edge	Low	Rare	Unknown	Stable	Moderate	High
<i>Sisyrinchium pallidum</i> <i>Pale blue-eyed grass</i>	G2G3 /S2S3		ALB, CAR	Hutton Lake NWR? Mortensen Lake NWR Rawlins BLM	Regional Endemic/ Edge?	Low	Abundant	Unknown	Increase?	Moderate	High
<i>Stanleya tomentosa</i> var. <i>tomentosa</i> <i>Hairy prince's-plume</i>	G4T3/ S2		BIG, FRE, HOT, PAR	Bighorn Canyon NRA Bighorn NF Cody BLM Lander BLM Worland BLM	Regional Endemic/ Core	Low	Rare	Unknown	Moderate Decline?	Moderate	Very High
<i>Sullivantia hapemanii</i> var. <i>hapemanii</i> <i>Hapeman's sullivantia</i>	G3T3/ S3	USFS R2 Sensitive	BIG, HOT, JOH, NAT, SHE, WAS	Bighorn NF Buffalo BLM Cody BLM Lander BLM? Worland BLM	Regional Endemic/ Core	Moderate	Uncommon	Unknown	Stable	Moderate	Very High
<i>Symphyotrichum molle</i> [ <i>Aster mollis</i> ] <i>Soft aster</i>	G3/S3	USFS R2 Sensitive USFS R4 Sensitive	BIG, JOH, NAT, SHE, SUB, WAS	Bighorn NF Bridger-Teton NF? Buffalo BLM Casper BLM Worland BLM	Regional Endemic/Core	Moderate	Abundant	Unknown	Stable	Moderate	Very High

**Taxa Dropped From Previous Lists:** The following species have been dropped from the 2002 WYNDD list of plant species of special concern. Unless otherwise noted, all have been found to be more common in the state than previously recognized and are no longer considered vulnerable to extirpation.

*Adenocaulon bicolor*  
(American trailplant)  
*Agrimonia gryposepala*  
(Common agrimony)  
*Anemone virginiana*  
(Virginia anemone)  
*Antennaria neglecta*  
(Field pussytoes)  
*Astragalus nelsonianus*  
(Nelson's milkvetch; moved to potential spp. of concern list)  
*Carex paupercula*  
(Bog sedge)  
*Carex preslii*  
(Presl sedge; all specimens have been redetermined)  
*Cypripedium fasciculatum*  
(Clustered lady's-slipper; moved to potential spp. of concern list)  
*Elymus diversiglumis*  
(Interrupted wild-rye)  
*Epilobium oregonense*  
(Oregon willow-herb)  
*Juncus brevicaudatus*  
(Tweedy's rush)  
*Lonicera caerulea* var. *caurina*  
(Western honey-suckle)  
*Ostrya virginiana* var. *virginiana*  
(Hop-hornbeam)  
*Piptantherum pungens*  
(Slender mountain-ricegrass)  
*Solidago speciosa* var. *pallida*  
(Showy goldenrod)

**Status Uncertain:** This list includes species that may warrant conservation attention, but which are not currently listed due to uncertainties regarding taxonomy, identification, or confirmed occurrence in the state.

*Allium drummondii* (reported)  
*Alnus viridis* var. *crispa* (status not known)  
*Arabis fructicosa* (taxonomic questions)  
*Arnica amplexicaulis* (status not known)  
*Artemisia pattersonii* (reported)  
*Astragalus* undescribed species (status not known)  
*Botrychium boreale* (reported)  
*Botrychium hesperium* (reported)  
*Botrychium pinnatum* (reported)  
*Bouteloua eriopoda* (reported)  
*Callirhoe involucreta* (status not known)  
*Carex stenoptila* (identification problems)  
*Cirsium barnebyi* (reported)  
*Claytonia tuberosa* ssp. *rosea* (status not known)  
*Dichanthelium depauperatum* (reported)  
*Draba longipes* (reported)  
*Erigeron coulteri* (reported)  
*Erigeron pumilus* var. *gracilior* (taxonomic questions)  
*Eriogonum inflatum* (reported)  
*Festuca thurberi* (status not known)  
*Gayophytum decipiens* (identification problems)  
*Gentiana nutans* (taxonomic questions)  
*Gilia ophthalmoides* (taxonomic questions)  
*Hieracium fendleri* (status not known)  
*Hymenopappus filifolius* var. *megacephalus* (taxonomic questions)  
*Isoetes echinospora* (taxonomic questions)  
*Juncus articulatus* (status not known)  
*Lesquerella subumbellata* (reported)  
*Listera borealis* (status not known)  
*Lysichiton americanus* (reported)  
*Mertensia arizonica* (identification problems)  
*Mimulus tilingii* var. *tilingii* (status not known)  
*Muhlenbergia mexicana* (status not known)  
*Orthocarpus tenuifolius* (reported)  
*Oryzopsis canadensis* (reported)  
*Polystichum braunii* (reported)  
*Potamogeton epiphydrous* (status not known)  
*Potamogeton fibrillosus* (taxonomic questions)

*Ribes hirtellum* (reported)  
*Salix barclayi* (status not known)  
*Stephanomeria exigua* (reported)  
*Stipa thurberiana* (reported)  
*Telesonix jamesii* (reported)  
*Thalictrum revolutum* (taxonomic questions)  
*Utricularia ochroleuca* (reported, probably *U. intermedia*)



## Animal Species of Concern – BIRDS

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
Common loon ( <i>Gavia immer</i> )	G5/S1B/S2N	Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. High External Threats. SN Rank based on migratory concerns.	High	Low portion of its range in Wyoming, Restricted continental distribution, and equal security in Wyoming relative to other areas.	USFS R4 Sensitive, WYGF NSS1	ALB, BIG, CAR, CRO, FRE, HOT, JOH, LIN, NAT, PAR, PLA, SHE, SUB, SWE, TET, UIN
Clark's grebe ( <i>Aechmophorus clarkii</i> [ <i>Aechmophorus occidentalis</i> ])	G5/S1B	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Patchy Distribution.	High	Medium portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	WYGF NSS4	ALB, FRE, LIN, NAT, PAR, TET
American white pelican (Breeding colonies) ( <i>Pelecanus erythrorhynchos</i> )	G3/S1B	Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. High External Threats. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	WYGF NSS3	ALB, CAR?, FRE?, NAT, PAR, TET
American bittern ( <i>Botaurus lentiginosus</i> )	G4/S3B	Large WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, WYGF NSS3	ALB, BIG, CAR, CRO, FRE, GOS, LIN, PAR, SWE, TET, UIN
White-faced ibis ( <i>Plegadis chihi</i> )	G5/S1B	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. High External Threats. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	Wyoming BLM Sensitive, WYGF NSS3	ALB, CAR, FRE, GOS, HOT, LAR, LIN, SUB, SWE, TET, UIN
Trumpeter swan ( <i>Cygnus buccinator</i> )	G4/S2	Moderate WY Range. Low Range Occupation. Low Abundance. High External Threats. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and More security in Wyoming relative to other areas.	USFWS ESA Listing Denied, USFS R2 Sensitive, USFS R4 Sensitive, Wyoming BLM Sensitive, WYGF NSS2	CAR, FRE, LIN, NAT, PAR, SUB, SWE, TET
Harlequin duck ( <i>Histrionicus histrionicus</i> )	G4/S1B	Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. High External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, USFS R4 Sensitive, WYGF NSS3	BIG?, FRE, HOT, LIN, PAR, SUB, TET
Bald eagle ( <i>Haliaeetus leucocephalus</i> )	G4/S3B/S5N	Moderate WY Range. Low Abundance.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFWS Threatened (proposed for de-listing), WYGF NSS2	ALB, BIG, CAM, CAR, CON, FRE, GOS, HOT, JOH, LAR, LIN, NAT, NIO, PAR, PLA, SHE, SUB, SWE, TET, UIN, WAS?
Northern goshawk ( <i>Accipiter gentilis</i> )	G5/S3	Moderate WY Range. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFWS ESA Listing Denied, USFS R2 Sensitive, USFS R4 Sensitive, Wyoming BLM Sensitive, WYGF NSS4	ALB, BIG, CAR, CRO, FRE, JOH, LAR, LIN, NAT, PAR, SHE, SUB, SWE, TET, UIN, WAS
Ferruginous hawk ( <i>Buteo regalis</i> )	G4/S4B/S5N	Large WY Range. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats.	Low	Medium portion of its range in Wyoming, Wide continental distribution, and More security in Wyoming relative to other areas.	USFS R2 Sensitive, Wyoming BLM Sensitive, WYGF NSS3	all counties
American peregrine falcon ( <i>Falco peregrinus anatum</i> )	G4/T3/S2	Moderate WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	Recently de-listed by USFWS, USFS R2 Sensitive, USFS R4 Sensitive, Wyoming BLM Sensitive, WYGF NSS3	ALB, CAR, JOH, PAR, SUB, SWE, TET

## Animal Species of Concern – BIRDS (continued)

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
White-tailed ptarmigan ( <i>Lagopus leucurus</i> )	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Declining Abundance. Moderate Biological Vulnerability. High External Threats. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Less security in Wyoming relative to other areas.	USFS R2 Sensitive	ALB, CAR?, FRE?, LIN, PAR, SWE?, TET
Columbian sharp-tailed grouse ( <i>Tympanuchus phasianellus columbianus</i> )	G4/T3/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats. Patchy Distribution.	High	Medium portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFWS ESA Listing Denied, USFS R2 Sensitive, USFS R4 Sensitive, Wyoming BLM Sensitive	CAR
Greater sage grouse ( <i>Centrocercus urophasianus</i> )	G4/S4	Large WY Range. Moderate Biological Vulnerability. Moderate External Threat s. Patchy Distribution.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and More security in Wyoming relative to other areas.	USFWS ESA Petitioned, USFS R2 Sensitive, Wyoming BLM Sensitive	ALB?, BIG, CAM, CAR, CON, CRO, FRE, HOT, JOH, LIN, NAT, PAR, PLA, SHE, SUB, SWE, TET, UIN, WAS, WES
Whooping crane ( <i>Grus americana</i> )	G1/SAB/ S1N	Accidental. Low Range Occupation. Low Abundance. Declining Abundance. High Biological Vulnerability. High External Threats. Patchy Distribution.	Low	Accidental or occasional in Wyoming	USFWS Endangered	FRE, LIN, PAR, SUB, SWE, TET, UIN
Snowy plover ( <i>Charadrius alexandrinus</i> )	G4/SA	Accidental. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. High External Threats. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive	ALB, CAR, CRO, FRE, NAT, SWE
Mountain plover ( <i>Charadrius montanus</i> )	G2/S2	Moderate WY Range. Moderate Biological Vulnerability. High External Threats. Patchy Distribution.	High	Medium portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFWS ESA Listing Denied, USFS R2 Sensitive, WYGF NSS4	ALB, BIG, CAM, CAR, CON, CRO, FRE, GOS, HOT, JOH, LAR, LIN, NAT, NIO, PAR, PLA, SUB, SWE, WAS, WES
Long-billed curlew ( <i>Numenius americanus</i> )	G5/S3B	Moderate WY Range. Moderate Biological Vulnerability. Moderate External Threats. Patchy Distribution.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, Wyoming BLM Sensitive, WYGF NSS3	ALB, CAM, CAR, CON, CRO, FRE, GOS, HOT, LAR, LIN, NAT, NIO, PAR, PLA, SHE?, SUB, SWE, TET, UIN, WES
Caspian tern ( <i>Sterna caspia</i> )	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Less security in Wyoming relative to other areas.	WYGF NSS3	ALB, CAR, FRE, LIN, PAR, TET
Forster's tern ( <i>Sterna forsteri</i> )	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. High External Threats. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	WYGF NSS3	ALB, CAR?, FRE, LIN
Black tern (Breeding colonies) ( <i>Chlidonias niger</i> )	G4/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Declining Abundance. Moderate Biological Vulnerability. High External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, WYGF NSS3	ALB, LAR?, LIN?, PAR

## Animal Species of Concern – BIRDS (continued)

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
Black-billed cuckoo ( <i>Coccyzus erythrophthalmus</i> )	G5/S2	Moderate WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. High External Threats.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Less security in Wyoming relative to other areas.		ALB, BIG, CAM, CAR, CRO, FRE, GOS, HOT?, JOH, NAT, SHE, TET, WAS?
Yellow-billed cuckoo ( <i>Coccyzus americanus</i> )	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. High External Threats. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Less security in Wyoming relative to other areas.	USFWS ESA Candidate (Western subspecies), USFS R2 Sensitive, Wyoming BLM Sensitive, WYGF NSS2	ALB, BIG, CAR, CON, CRO, FRE, GOS, HOT, JOH, NAT, PAR, PLA, SHE, SWE, TET, UIN
Northern pygmy-owl ( <i>Glaucidium gnoma</i> )	G5/S2	Small WY Range. Low Range Occupation. Low Abundance. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Less security in Wyoming relative to other areas.	WYGF NSS4	FRE, LIN?, PAR, TET, UIN?
Burrowing owl ( <i>Athene cucularia</i> [Speotyto cucularia])	G4/S3	Moderate WY Range. Moderate Biological Vulnerability. High External Threats.	Low	Medium portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, Wyoming BLM Sensitive, WYGF NSS4	all counties
Great gray owl ( <i>Strix nebulosa</i> )	G5/S2	Moderate WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R4 Sensitive, WYGF NSS4	CAR, FRE, PAR, SUB, TET
Short-eared owl ( <i>Asio flammeus</i> )	G5/S2	Moderate WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive	all counties
Boreal owl ( <i>Aegolius funereus</i> )	G5/S2	Moderate WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. High External Threats. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, USFS R4 Sensitive, WYGF NSS4	ALB, CAR, FRE, JOH, LIN, NAT, PAR, PLA, SHE, TET, UIN
Calliope hummingbird ( <i>Stellula calliope</i> )	G5/S3	Moderate WY Range. Low Abundance. Uncertain Abundance Trends. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.		ALB, CAR, LIN, PAR, SHE, SUB, TET
Lewis' woodpecker ( <i>Melanerpes lewis</i> )	G4/S2	Moderate WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, WYGF NSS3	ALB, CON, CRO, FRE, LAR, NAT, PAR, PLA, TET, UIN, WES
Williamson's sapsucker ( <i>Sphyrapicus thyroideus</i> )	G5/S2	Moderate WY Range. Low Range Occupation. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats. Patchy Distribution.	High	Medium portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.		ALB, BIG?, CAR, CON, FRE, JOH, LAR, LIN?, PAR, SHE, SUB, SWE?, TET, UIN?
Three-toed woodpecker ( <i>Picoides tridactylus</i> )	G5/S3	Moderate WY Range. Low Range Occupation. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, USFS R4 Sensitive	ALB, BIG, CAR, CRO, FRE, HOT?, JOH, LIN?, NAT, PAR, SHE, SUB, SWE?, TET, UIN, WAS, WES?
Black-backed woodpecker ( <i>Picoides arcticus</i> )	G5/S1	Very Small WY Range. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, WYGF NSS4	CRO, FRE?, LIN, NAT?, PAR, TET, WES?

## Animal Species of Concern – BIRDS (continued)

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
Loggerhead shrike ( <i>Lanius ludovicianus</i> )	G4/S3	Large WY Range. Low Range Occupation. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, Wyoming BLM Sensitive	all counties
Western scrub-jay ( <i>Aphelocoma californica</i> [ <i>Aphelocoma coerulescens</i> ])	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	WYGF NSS3	CAR, LAR, NAT, SWE
Juniper titmouse ( <i>Baeolophus ridgwayi</i> [ <i>Baeolophus griseus</i> ])	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. High External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Less security in Wyoming relative to other areas.	WYGF NSS3	FRE, SWE, UIN?
Bushtit ( <i>Psaltriparus minimus</i> )	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Less security in Wyoming relative to other areas.	WYGF NSS3	NAT, SWE, UIN
Pygmy nuthatch ( <i>Sitta pygmaea</i> )	G5/S2	Moderate WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. High External Threats. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Less security in Wyoming relative to other areas.	WYGF NSS4	ALB, BIG, CAM, CON, CRO, JOH, LAR, LIN, NAT, PAR, SHE, SUB, TET
Virginia's warbler ( <i>Vermivora virginiae</i> )	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.		ALB, CAR?, CON?, CRO?, GOS, JOH?, LIN, SUB?, SWE, UIN
Black-throated gray warbler ( <i>Dendroica nigrescens</i> )	G5/S2	Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		ALB, FRE, NAT, SWE, UIN?
Sage sparrow ( <i>Amphispiza belli</i> )	G5/S3	Moderate WY Range. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats. Patchy Distribution.	High	High portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, Wyoming BLM Sensitive	ALB, BIG, CAM, CAR, CON, FRE, GOS, HOT, JOH, LIN, NAT, NIO, PAR, PLA, SUB, SWE, UIN, WAS, WES
Baird's sparrow ( <i>Ammodramus bairdii</i> )	G4/S1B?/ SZN	Uncertain WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats. Regional Endemic.	Low	Occasional in Wyoming.	Wyoming BLM Sensitive, WYGF NSS4	ALB?, CAM, CON, GOS?, LAR?, NIO?, PLA?, UIN
McCown's longspur ( <i>Calcarius mccownii</i> )	G5/S2	Moderate WY Range. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats. Regional Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, WYGF NSS4	ALB, CAM, CAR, CON, CRO, FRE, GOS, JOH, LAR, NAT, NIO, PAR, PLA, SWE, WES
Chestnut-collared longspur ( <i>Calcarius ornatus</i> )	G5/S1	Small WY Range. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats. Regional Endemic.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, WYGF NSS4	ALB, CAM, CAR, CON, CRO, FRE, GOS, LAR, NIO, PAR, WES

## Animal Species of Concern – BIRDS (continued)

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
Bobolink ( <i>Dolichonyx oryzivorus</i> )	G5/S2	Moderate WY Range. Low Range Occupation. Moderate Biological Vulnerability. Moderate External Threats. Patchy Distribution.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Less security in Wyoming relative to other areas.	WYGF NSS4	CAM, CAR, CRO, FRE, NAT, PAR, SHE
Scott's oriole ( <i>Icterus parisorum</i> )	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Less security in Wyoming relative to other areas.	WYGF NSS3	SWE
Brown-capped rosy finch [Rosy finch] ( <i>Leucosticte australis</i> [ <i>Leucosticte arctoa</i> ])	G4/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. High External Threats. Regional Endemic.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Less security in Wyoming relative to other areas.		ALB, CAR?
Black-rosy finch [Rosy finch] ( <i>Leucosticte atrata</i> [ <i>Leucosticte artcoa</i> ])	G4/S1B/S2N	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. High External Threats. Local Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.		ALB, FRE, LIN, NAT, PAR, SUB, SWE, TET, UIN

## Species of Concern – FISH

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
Shovelnose sturgeon (Scaphirhynchus platyrhynchus)	G4/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. High External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	WYGF NSS2	CAM, JOH, SHE
Goldeye (Hiodon alosoides)	G5/S2	Moderate WY Range. Low Range Occupation. Unknown Abundance. Moderate Biological Vulnerability. High External Threats. Patchy Distribution.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	WYGF NSS2	JOH
Leatherside chub (Gila copei [Snyderichthys copei])	G3G4/S1	Very Small WY Range. Low Range Occupation. Moderate Biological Vulnerability. Moderate External Threats. Regional Endemic.	High	Medium portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	Wyoming BLM Sensitive, WYGF NSS1	LIN, TET, UIN
Humpback chub (Gila cypha)	G1/SX	Extirpated. Local Endemic.	Low	Accidental or occasional in Wyoming	USFWS Endangered	(SWE)
Roundtail chub [Bonytail] (Gila robusta)	G3/S3	Small WY Range. Low Range Occupation.	Low	Medium portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, Wyoming BLM Sensitive, WYGF NSS1	CAR, LIN, SUB, SWE, UIN
Bonytail chub (Gila elegans)	G1/SX	Extirpated. Patchy Distribution.	Low	Accidental or occasional in Wyoming	USFWS Endangered	(SWE)
Western silvery minnow (Hybognathus argyritis [Hybognathus nuchalis])	G4/S2	Very Small WY Range. Low Range Occupation.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	WYGF NSS1	BIG, CAM, CRO, HOT, JOH, PAR, SHE, WAS
Sturgeon chub (Macrhybopsis gelida [Hybopsis gelida])	G3/S1	Small WY Range. Low Range Occupation. Unknown Abundance. High Biological Vulnerability. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFWS ESA Listing Denied, USFS R2 Sensitive, WYGF NSS1	BIG, CAM, JOH, SHE, WAS
Pearl dace [Northern dace] (Margariscus margarita [Semotilus margarita])	G5/S1	Very Small WY Range. Low Range Occupation. Unknown Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, WYGF NSS1	NIO?
Hornyhead chub (Nocomis biguttatus)	G5/S1	Very Small WY Range. Low Range Occupation. Moderate Biological Vulnerability. Moderate External Threats.	Low	Medium portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, WYGF NSS1	ALB, CAR, CON?, FRE, GOS, LAR?, NAT?, PLA
Suckermouth minnow (Phenacobius mirabilis)	G5/S2	Very Small WY Range. Low Range Occupation. Unknown Abundance. Uncertain Abundance Trends.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	WYGF NSS1	GOS, PLA
Finescale dace (Phoxinus neogaeus)	G5/S2	Very Small WY Range. Low Range Occupation. Unknown Abundance. Uncertain Abundance Trends.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, WYGF NSS1	CRO, NIO, WES?
Colorado River squawfish (Ptychocheilus lucius)	G1/SX	Extirpated. Local Endemic.	Low	Accidental or occasional in Wyoming	USFWS Endangered	(SWE)
Kendall Warm Springs dace (Rhinichthys osculus thermalis)	G5/T1/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. High External Threats. Local Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and More security in Wyoming relative to other areas.	WYGF NSS2, USFWS Endangered	SUB

## Animal Species of Concern – FISH (continued)

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
Bluehead sucker ( <i>Catostomus discobolus</i> )	G4/S3	Small WY Range. Low Range Occupation. Unknown Abundance. Uncertain Abundance Trends.	Low	Medium portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, Wyoming BLM Sensitive, WYGF NSS1	CAR, LIN, SUB, SWE, TET, UIN
Flannelmouth sucker ( <i>Catostomus latipinnis</i> )	G3G4/S3	Small WY Range. Low Range Occupation. Unknown Abundance. Uncertain Abundance Trends.	Low	Medium portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, Wyoming BLM Sensitive, WYGF NSS1	CAR, LIN, SUB, SWE, UIN
Snake River Sucker ( <i>Chasmistes muriei</i> [ <i>Chasmistes liorus</i> ])	GX/SX	Extirpated. Low Range Occupation.	Low	Accidental or occasional in Wyoming		(TET)
Razorback sucker [Humpback sucker] ( <i>Xyrauchen texanus</i> )	G1/SX	Extirpated. Low Range Occupation.	Low	Accidental or occasional in Wyoming	USFWS Endangered	(SWE)
Yellowstone cutthroat trout (Native pops.) ( <i>Oncorhynchus clarki bouvieri</i> )	G4/T2/S2	Moderate WY Range. Low Range Occupation. High Biological Vulnerability. Regional Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and More security in Wyoming relative to other areas.	USFWS ESA Listing Denied, USFS R2 Sensitive, Wyoming BLM Sensitive, WYGF NSS3	BIG, CAR?, FRE, HOT, PAR, SHE, SUB, TET, WAS
Westslope cutthroat trout ( <i>Oncorhynchus clarki lewisi</i> )	G4/T3/S1	Very Small WY Range. Low Range Occupation. Low Abundance. High Biological Vulnerability. Regional Endemic.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Equal security in Wyoming relative to other areas.	USFWS ESA Listing Denied, USFS R4 Sensitive	PAR, TET
Fine-spotted Snake River cutthroat trout (Native populations) ( <i>Oncorhynchus clarki</i> ssp. 2 (undescribed subspecies))	G4/T1Q/S1	Small WY Range. Low Range Occupation. Low Abundance. High Biological Vulnerability. Local Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Equal security in Wyoming relative to other areas.	USFS R4 Sensitive, Wyoming BLM Sensitive, WYGF NSS4	FRE, LIN, SUB, TET
Colorado River cutthroat trout (Native populations) ( <i>Oncorhynchus clarki pleuriticus</i> )	G4/T2/S1	Small WY Range. Low Range Occupation. Low Abundance. High Biological Vulnerability. Regional Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Less security in Wyoming relative to other areas.	USFWS Petitioned for ESA listing, USFS R2 Sensitive, USFS R4 Sensitive, Wyoming BLM Sensitive, WYGF NSS2	CAR, LIN, SUB, SWE, UIN
Bonneville cutthroat trout [Bear River cutthroat trout] (Native populations) ( <i>Oncorhynchus clarki utah</i> )	G4/T2/S1	Very Small WY Range. Low Range Occupation. High Biological Vulnerability. Local Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and More security in Wyoming relative to other areas.	USFWS ESA Listing Denied, USFS R4 Sensitive, Wyoming BLM Sensitive, WYGF NSS2	LIN, UIN
Greenback cutthroat trout ( <i>Oncorhynchus clarki stomias</i> )	G4/T2/SX	Extirpated. High Biological Vulnerability. Regional Endemic.	Low	Accidental or occasional in Wyoming	USFWS Threatened	(ALB, LAR)
Arctic grayling (Upper Missouri River fluvial population) ( <i>Thymallus arcticus</i> )	G5/T2/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Declining Abundance. Moderate Biological Vulnerability. Moderate External Threats. Regional Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	WYGF NSS4, USFWS ESA Candidate	PAR, TET
Orangethroat darter ( <i>Etheostoma spectabile</i> )	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats.	Low	Medium portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	WYGF NSS2	LAR

## Species of Concern – AMPHIBIANS

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
Boreal western toad (Northern Rocky Mountain population) ( <i>Bufo boreas boreas</i> (undescribed taxon))	G4/T4/S1	Small WY Range. Low Range Occupation. Moderate Biological Vulnerability. High External Threats. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, Wyoming BLM Sensitive, WYGF NSS2	FRE, LIN, PAR, SUB, TET, UIN, WAS?
Boreal western toad (Southern Rocky Mountain population) ( <i>Bufo boreas boreas</i> (undescribed taxon))	G4/T1/S1	Recognized taxon for management purposes. Very Small WY Range. Low Range Occupation. Low Abundance. Declining Abundance. High Biological Vulnerability. High External Threats. Regional Endemic.	High	Medium portion of its range in Wyoming, Restricted continental distribution, and Less security in Wyoming relative to other areas.	USFWS ESA Candidate, USFS R2 Sensitive, WYGF NSS2	ALB, CAR, CON, LAR
Wyoming toad ( <i>Bufo baxteri</i> [ <i>Bufo hemiophrys baxteri</i> ])	G1/T1/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Declining Abundance. High Biological Vulnerability. High External Threats. Local Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Equal security in Wyoming relative to other areas.	USFWS Endangered, WYGF NSS1	ALB
Great Basin spadefoot toad ( <i>Spea intermontana</i> [ <i>Scaphiopus intermontanus</i> ])	G5/S3	Moderate WY Range. Low Range Occupation. Unknown Abundance. Uncertain Abundance Trends. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	Wyoming BLM Sensitive, WYGF NSS4	CAR?, FRE, LIN, NAT, SWE, UIN
Northern leopard frog ( <i>Rana pipiens</i> )	G5/S3	Large WY Range. Moderate Biological Vulnerability. High External Threats. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, Wyoming BLM Sensitive, WYGF NSS4	all counties
Columbia spotted frog [Spotted frog] (statewide) ( <i>Rana luteiventris</i> [ <i>Rana pretiosa</i> ])	G4/S3	Moderate WY Range. Low Range Occupation. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, USFS R4 Sensitive, Wyoming BLM Sensitive, WYGF NSS5	FRE, LIN, PAR, SHE, SUB, TET
Wood frog (statewide) ( <i>Rana sylvatica</i> )	G5/S1	Small WY Range. Low Range Occupation. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, WYGF NSS3	ALB, BIG, CAR, JOH, SHE



## Species of Concern – REPTILES

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
Ornate box turtle ( <i>Terrapene ornata ornata</i> )	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		GOS
Six-lined racerunner [Prairie linedracerunner] ( <i>Cnemidophorus sexlineatus viridis</i> )	G5/S2	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		GOS?, PLA
Northern many-lined skink ( <i>Eumeces multivirgatus multivirgatus</i> )	G5/S1	Very Small WY Range. Low Range Occupation. Unknown Abundance and Trends. Regional Endemic.	High	Medium portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.		GOS, LAR, NIO, PLA
Northern plateau lizard ( <i>Sceloporus undulatus elongatus</i> )	G5/T5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats. Regional Endemic.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.		CAR, SWE
Red-lipped prairie lizard [Orange-lipped plateau lizard] ( <i>Sceloporus undulatus erythrocheilus</i> )	G5/T5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats. Local Endemic.	High	Medium portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.		ALB, CON, LAR?, PLA
Northern prairie lizard ( <i>Sceloporus undulatus garmani</i> )	G5/T5/S1	Very Small WY Range. Low Range Occupation. Moderate Biological Vulnerability. Moderate External Threats. Regional Endemic.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.		GOS, LAR?, NIO?, PLA
Tree lizard ( <i>Urosaurus ornat us</i> )	G5/S2	Very Small WY Range. Low Abundance.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		SWE
Lesser earless lizard ( <i>Holbrookia maculata</i> )	G5/S2	Very Small WY Range. Low Range Occupation. Low Abundance.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Less security in Wyoming relative to other areas.		GOS?, LAR, PLA
Rubber boa ( <i>Charina bottae</i> )	G5/S2	Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		BIG?, FRE, LIN, PAR, SHE, SUB, TET, WAS
Smooth green snake (eastern and western) ( <i>Liochlorophis vernalis</i> [ <i>Lv. vernalis</i> , <i>L.v. blanchardi</i> ; <i>Opheodrys v. vernalis</i> , <i>O.v. blanchardi</i> ])	G5/S2	Small WY Range. Low Range Occupation. Uncertain Abundance Trends. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.		ALB, CAR, CON, CRO, NAT, WES
Black Hills redbelly snake ( <i>Storeria occipitomaculata pahasapae</i> )	G5/T3/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats. Local Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Equal security in Wyoming relative to other areas.	USFS R2 Sensitive	CRO, WES?
Midget faded rattlesnake ( <i>Crotalus viridis concolor</i> )	G5/T3/S1	Very Small WY Range. Uncertain Abundance Trends. High External Threats. Regional Endemic.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	Wyoming BLM Sensitive	SWE

## Species of Concern – MAMMALS

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
Hayden's shrew ( <i>Sorex haydeni</i> )	G4/S3	Small WY Range. Low Abundance. Uncertain Abundance Trends.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		ALB, CAR, CON, CRO, JOH, SHE, WES
Southern Rocky Mountain pygmy shrew ( <i>Sorex hoyi montanus</i> )	G7/S1	Very Small WY Range. Low Abundance. Uncertain Abundance Trends. Patchy Distribution.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, WYGF NSS2	ALB, CAR
Preble's shrew ( <i>Sorex preblei</i> )	G4/S1	Very Small WY Range. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats.	Low	Medium portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	WYGF NSS3	LIN, PAR?, TET, UIN
Fringed myotis (statewide) ( <i>Myotis thysanodes</i> )	G4G5/S2	Large WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. High External Threats.	Low	Medium portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, Wyoming BLM Sensitive, WYGF NSS2	ALB, BIG, CAR, CRO?, FRE?, GOS, JOH?, LAR?, NAT?, PAR, PLA?, SHE, SUB, SWE?, WAS, WES
Black Hills fringed myotis ( <i>Myotis thysanodes pahasapensis</i> )	G7/T1/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. High External Threats. Local Endemic.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, Wyoming BLM Sensitive, WYGF NSS2	CRO?, WES
Yuma myotis ( <i>Myotis yumanensis</i> )	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		BIG?, CAR, FRE?, JOH?, NAT?, PAR, SHE, SWE, UIN?, WAS?
Spotted bat ( <i>Euderma maculatum</i> )	G4/S3	Large WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, USFS R4 Sensitive, Wyoming BLM Sensitive, WYGF NSS2	ALB?, BIG, FRE?, HOT?, JOH?, LIN?, PAR, SUB?, SWE, TET?, UIN?, WAS
Townsend's big-eared bat ( <i>Corynorhinus townsendii</i> [ <i>Plecotus townsendii</i> ])	G4/S2	Large WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. High External Threats.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, USFS R4 Sensitive, Wyoming BLM Sensitive, WYGF NSS2	ALB?, BIG, CAM?, CAR?, CON?, CRO?, FRE?, GOS?, HOT?, JOH?, LAR?, LIN?, NAT?, NIO?, PAR, PLA?, SHE?, SUB?, SWE, TET?, UIN?, WAS, WES?
Pallid bat ( <i>Antrozous pallidus</i> )	G5/S1	Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats. Patchy Distribution.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	WYGF NSS2	BIG?. CAR?. GOS, HOT, SWE, WAS
Bighorn Mountain pika ( <i>Ochotona princeps obscura</i> )	G5/T1/S1	Very Small WY Range. Low Abundance. Uncertain Abundance Trends. High External Threats. Local Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Equal security in Wyoming relative to other areas.		BIG, JOH?, SHE, WAS?

## Animal Species of Concern – MAMMALS (continued)

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
Pygmy rabbit ( <i>Brachylagus idahoensis</i> ) [ <i>Sylvilagus idahoensis</i> )]	G4/S1	Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. High External Threats. Patchy Distribution.	High	Low portion of its range in Wyoming. Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFWS Petitioned for ESA listing, Action Pending; Wyoming BLM Sensitive; WYGF NSS3	FRE, LIN, SUB, SWE, UIN
Bighorn Mountain snowshoe hare ( <i>Lepus americanus seclusus</i> )	G5/T3/S1	Very Small WY Range. Uncertain Abundance Trends. Local Endemic.	Very High	High portion of its range in Wyoming. Restricted continental distribution, and Equal security in Wyoming relative to other areas.		BIG?, JOH?, SHE?, WAS?
Cliff chipmunk ( <i>Tamias dorsalis utahensis</i> [Eutamias dorsalis])	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. High External Threats.	High	Low portion of its range in Wyoming. Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	WYGF NSS3	SWE
Black Hills yellow-bellied marmot ( <i>Marmota flaviventris dacota</i> )	G7/S2	Very Small WY Range. Low Abundance. Uncertain Abundance Trends. Local Endemic.	Very High	High portion of its range in Wyoming. Restricted continental distribution, and Equal security in Wyoming relative to other areas.		CRO?, WES?
Allen's thirteen-lined ground squirrel ( <i>Spermophilus tridecemlineatus alleni</i> )	G5/T1/S1	Very Small WY Range. Low Range Occupation. Unknown Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats. Local Endemic.	Very High	High portion of its range in Wyoming. Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive	BIG?, FRE, HOT, JOH, SUB, WAS?
Black-tailed prairie dog (Large towns) ( <i>Cynomys ludovicianus</i> )	G4/S2	Moderate WY Range. Low Range Occupation. Declining Abundance. High Biological Vulnerability. High External Threats. Patchy Distribution.	High	Medium portion of its range in Wyoming. Restricted continental distribution, and More security in Wyoming relative to other areas.	USFWS ESA Candidate, USFS R2 Sensitive, WYGF NSS3	ALB, CAM, CON, CRO, GOS?, JOH, LAR, NAT, NIO, PAR, PLA, SHE, WAS?, WES
White-tailed prairie dog (Large towns) ( <i>Cynomys leucurus</i> )	G4/S3	Large WY Range. Low Range Occupation. High Biological Vulnerability. High External Threats. Regional Endemic.	Very High	High portion of its range in Wyoming. Restricted continental distribution, and More security in Wyoming relative to other areas.	USFWS Petitioned for ESA listing, Action Pending; USFS R2 Sensitive, Wyoming BLM Sensitive, WYGF NSS3	ALB, BIG, CAR, FRE, HOT, JOH, LIN, NAT, PAR, SUB, SWE, UIN, WAS
Black Hills red squirrel ( <i>Tamiasciurus hudsonicus dakotensis</i> )	G5/T3/S2	Very Small WY Range. Uncertain Abundance Trends. Local Endemic.	Very High	High portion of its range in Wyoming. Restricted continental distribution, and Equal security in Wyoming relative to other areas.		CRO?, WES?
Wyoming pocket gopher ( <i>Thomomys clusius</i> [Thomomys talpoides])	G2/S2	Small WY Range. Low Range Occupation. Uncertain Abundance Trends. Local Endemic.	Very High	High portion of its range in Wyoming. Restricted continental distribution, and Equal security in Wyoming relative to other areas.	USFS R2 Sensitive, Wyoming BLM Sensitive	CAR, SWE
Idaho pocket gopher ( <i>Thomomys idahoensis</i> [Thomomys talpoides])	G4/S2	Small WY Range. Low Range Occupation. Uncertain Abundance Trends. Regional Endemic.	Very High	High portion of its range in Wyoming. Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	Wyoming BLM Sensitive, WYGF NSS3	LIN, SUB, UIN
Canyon mouse ( <i>Peromyscus crinitus</i> )	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats.	High	Low portion of its range in Wyoming. Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	WYGF NSS3	SWE
Pinon mouse ( <i>Peromyscus truei</i> )	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming. Wide continental distribution, and Less security in Wyoming relative to other areas.	WYGF NSS3	SWE

## Animal Species of Concern – MAMMALS (continued)

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
Water vole (statewide) ( <i>Microtus richardsoni</i> [ <i>Arvicola richardsoni</i> ])	G5/S2	Moderate WY Range. Low Range Occupation. Moderate Biological Vulnerability. High External Threats. Patchy Distribution.	High	Medium portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, WYGF NSS3	BIG, FRE, HOT?, JOH, LIN, PAR, SHE, SUB, TET, UIN, WAS
Black Hills southern red-backed vole ( <i>Clethrionomys gapperi brevicaudus</i> )	G5/T3/S2	Very Small WY Range. Uncertain Abundance Trends. Local Endemic.	High	Medium portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.		CRO?, WES?
Bear Lodge meadow jumping mouse ( <i>Zapus hudsonius campestris</i> )	G5/T3/S1	Small WY Range. Low Range Occupation. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats. Regional Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.		CRO, WES
Preble's meadow jumping mouse ( <i>Zapus hudsonius preblei</i> )	G5/T2/S1	Small WY Range. Low Range Occupation. Low Abundance. High Biological Vulnerability. Local Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFWS Threatened	ALB, CAR?, CON, GOS?, LAR, PLA
Gray wolf ( <i>Canis lupus</i> )	G4/S1	Small WY Range. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and Equal security in Wyoming relative to other areas.	USFWS Endangered	FRE, PAR, TET, SUB?
Swift fox ( <i>Vulpes velox</i> )	G3/S2	Moderate WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats. Patchy Distribution.	High	Low portion of its range in Wyoming, Restricted continental distribution, and More security in Wyoming relative to other areas.	USFWS ESA Listing Denied, USFS R2 Sensitive, Wyoming BLM Sensitive, WYGF NSS3	ALB, CAM, CAR, CON, CRO?, FRE, GOS, JOH?, LAR, NAT, NIO, PLA, SWE, WES
Grizzly bear ( <i>Ursus arctos horribilis</i> )	G4/S1	Small WY Range. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats. Patchy Dist.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Equal security in Wyoming relative to other areas.	USFWS Threatened	FRE, PAR, SUB, TET
Fisher ( <i>Martes pennanti</i> )	G5/S1	Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Less security in Wyoming relative to other areas.	USFS R4 Sensitive	ALB?, CAR?, FRE?, JOH?, PAR, SUB, TET
Black-footed ferret ( <i>Mustela nigripes</i> )	G1/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Declining Abundance. High Biological Vulnerability. High External Threats. Regional Endemic.	High	Medium portion of its range in Wyoming, Restricted continental distribution, and Less security in Wyoming relative to other areas.	USFWS Endangered, WYGF NSS1	ALB, CAR
North American Wolverine ( <i>Gulo gulo luscus</i> [ <i>Gulo luscus</i> ])	G4/S2	Moderate WY Range. Low Range Occupation. Low Abundance.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Less security in Wyoming relative to other areas.	USFWS ESA Listing Denied, USFS R2 Sensitive, USFS R4 Sensitive, WYGF NSS3	ALB?, BIG?, CAR?, FRE, LIN, PAR, SHE?, SUB, TET
River otter ( <i>Lontra canadensis</i> [ <i>Lutra Canadensis</i> ])	G5/S3	Moderate WY Range. Low Range Occupation. Patchy Distribution.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive	ALB, BIG?, CAR?, FRE, HOT?, JOH, LIN, NAT, PAR, SHE?, SUB, SWE, TET, UIN?
Canada lynx [North American lynx] ( <i>Lynx canadensis</i> [ <i>Felis lynx</i> ])	G5/S1	Small WY Range. Low Range Occupation. Low Abundance.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Less security in Wyoming relative to other areas.	USFWS Threatened, WYGF NSS1	ALB?, BIG, CAR?, FRE, JOH, LIN, PAR, SHE, SUB, TET, UIN
American bison (Free-ranging herds) ( <i>Bos bison</i> [ <i>Bison bison</i> ])	G4/S1	Very Small WY Range. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats. Patchy Distribution.	High	Medium portion of its range in Wyoming, Restricted continental distribution, and More security in Wyoming relative to other areas.	USFWS Petitioned for ESA listing (Yellowstone DPS)	PAR, TET

## Animal Species of Potential Concern – ALL TAXA

Please note that not all species on the potential concern list have been fully incorporated into the new ranking system. S-ranks given in square brackets (e.g., [S3B]) are carried over from the 1999 list and S-rank reasons in square brackets are from the range comments section of the 1999 list. A designation of Not Ranked (NR) in the Wyoming contribution rank columns means that these species have not yet been assigned a Wyoming contribution rank. All these fields will be updated in future lists, at which time decisions may be made to elevate or remove certain species from this list.

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
<b>BIRDS</b>						
Least bittern ( <i>Ixobrychus exilis</i> )	G5/S1B	Very Small WY Range. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats.	Low	Accidental or occasional in Wyoming		ALB?
Snowy egret ( <i>Egretta thula</i> )	G5/[S3B]	[Breed: N periph.]	NR	NR	WYGF NSS3	ALB, CAR, FRE, GOS, HOT, JOH, LAR, LIN, NAT, PAR, SHE, SUB, SWE, TET, UIN
Black-crowned night-heron ( <i>Nycticorax nycticorax</i> )	G5/[S3B]	[Breed: interior periph.]	NR	NR	WYGF NSS3	all counties?
Ring-necked duck ( <i>Aythya collaris</i> )	G5/S4B	Moderate WY Range. Low Abundance.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Equal security in Wyoming relative to other areas.		ALB, BIG, CAR, FRE, JOH, LIN?, NAT, PAR, SUB, TET, UIN
Bufflehead ( <i>Bucephala albeola</i> )	G5/S2B	Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. High External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		CAR, FRE, JOH, LIN, NAT, PAR, SUB, SWE, TET, UIN
Tundra swan ( <i>Cygnus columbianus</i> )	G5/S2N	Uncertain WY Range.	Low	Accidental or occasional in Wyoming		all except NIO?
Common goldeneye ( <i>Bucephala clangula</i> )	G5/[S3B]	[Breed: S periph. Winter: core]	NR	NR		all except CRO, WES
Golden eagle ( <i>Aquila chrysaetos</i> )	G5/[S3B]	[Year-round: core]	NR	NR		all counties
Osprey ( <i>Pandion haliaetus</i> )	G5/[S3B]	[Breed: S periph.]	NR	NR		all counties
Merlin ( <i>Falco columbarius</i> )	G5/S4	Large WY Range. Low Abundance.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	WYGF NSS3	ALB, BIG, CAM, CAR, CON, CRO, FRE, HOT, JOH, LAR, LIN, NAT, PAR, SHE, SUB, SWE, TET, UIN, WAS, WES
Arctic peregrine falcon ( <i>Falco peregrinus tundrius</i> )	G4/T3/SU	Uncertain WY Range.	Low	Accidental or occasional in Wyoming	Recently de-listed by USFWS, Wyoming BLM Sensitive, WYGF NSS3	all counties?
Greater prairie-chicken ( <i>Tympanuchus cupido</i> )	G4/SA	Accidental. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. High Biological Vulnerability. High External Threats. Regional Endemic.	Low	Accidental or occasional in Wyoming	USFS R2 Sensitive	LAR?

## Species of Potential Concern – All Taxa (continued)

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
Virginia rail ( <i>Rallus limicola</i> )	G5/[S3B]	[Breed: core]	NR	NR		ALB, CAR, CON, GOS, JOH?, LAR, LIN, NAT, PAR, PLA, SHE, TET, UIN
Sandhill crane ( <i>Grus canadensis</i> )	G5/S3B/S5N	Small WY Range. Low Abundance.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		all counties
Piping plover ( <i>Charadrius melodus</i> )	G3/SA	Accidental. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. High External Threats. Patchy Distribution.	Low	Accidental or occasional in Wyoming	USFWS Threatened	CRO?, GOS?, LAR, NAT?
Black-necked stilt ( <i>Himantopus mexicanus</i> )	G5/[S3B]	[Breed: N periph.]	NR	NR		ALB, BIG, CAR, FRE, GOS, JOH, LIN, NAT, PAR, SUB, SWE, TET, UIN
American avocet ( <i>Recurvirostra americana</i> )	G5/[S3B]	[Breed: core]	NR	NR		all counties
Red-necked phalarope ( <i>Phalaropus lobatus</i> )	G5/[S3N]	[Migratory only?]	NR	NR		CAR, NAT, PAR, SWE, TET
Herring gull (Breeding colonies) ( <i>Larus argentatus</i> )	G5/SA	Accidental. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats.	Low	Accidental or occasional in Wyoming		ALB
Ring-billed gull (Breeding colonies) ( <i>Larus delawarensis</i> )	G5/S2	Very Small WY Range. Low Abundance. Uncertain Abundance Trends.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		ALB, FRE, PAR?, TET ?
Eastern phoebe ( <i>Sayornis phoebe</i> )	G5/SA	Accidental. Low Abundance. Uncertain Abundance Trends.	Low	Accidental or occasional in Wyoming		CRO, JOH, SHE, SWE
Hammond's flycatcher ( <i>Empidonax hammondi</i> )	G5/S4	Moderate WY Range. Uncertain Abundance Trends.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		ALB, FRE, GOS, LIN, PAR, SHE, SUB, SWE, TET, UIN
Winter wren ( <i>Troglodytes troglodytes</i> )	G5/SA	Accidental. Low Range Occupation. Low Abundance. Uncertain Abundance Trends.	Low	Accidental or occasional in Wyoming		FRE, LIN, NAT, SHE, TET
American Dipper ( <i>Cinclus mexicanus</i> )	G5/S4	Moderate WY Range.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		BIG?, JOH?, LIN?, PAR?, SHE? SUB?, TET?, WAS?
Golden-crowned kinglet ( <i>Regulus satrapa</i> )	G5/S3B/S4N	Moderate WY Range. Low Range Occupation. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Equal security in Wyoming relative to other areas.	USFS R2 Sensitive	ALB, BIG, CAM, CAR, CRO, FRE, JOH, LAR, LIN, NAT, PAR, SHE, SUB, TET
Eastern bluebird ( <i>Sialia sialis</i> )	G5/S2	Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Less security in Wyoming relative to other areas.		ALB, CON, CRO, FRE, GOS, JOH, LAR, PLA, WES
Townsend's warbler ( <i>Dendroica townsendi</i> )	G5/SA	Accidental. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats.	Low	Accidental or occasional in Wyoming		FRE, HOT, PAR, SUB, SWE, TET

## Species of Potential Concern – All Taxa (continued)

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
Rose-breasted grosbeak (Pheucticus ludovicianus)	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats.	Low	Accidental or occasional in Wyoming		ALB, NAT
Dickcissel (Spiza americana)	G5/S1	Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats. Patchy Distribution.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		CAM, CRO, FRE, GOS, LAR, SHE, WES
Cassin's sparrow (Aimophila cassinii)	G5/SA	Accidental. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats.	Low	Accidental or occasional in Wyoming	USFS R2 Sensitive	GOS
Grasshopper sparrow (Ammodramus savannarum)	G5/S4	Moderate WY Range.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, WYGF NSS4	ALB, BIG, CAM, CAR, CON, CRO, FRE, GOS, HOT, JOH, LAR, LIN, NAT, NIO, PAR, PLA, SHE, SUB, SWE, UIN, WAS, WES
Brewer's sparrow (Spizella breweri)	G5/S5	Large WY Range. Declining Abundance. Moderate Biological Vulnerability. Moderate External Threats.	Medium	High portion of its range in Wyoming, Wide continental distribution, and More security in Wyoming relative to other areas.	USFS R2 Sensitive, Wyoming BLM Sensitive	all counties
White-winged junco (Junco hyemalis aikenii)	G5/T4/S3	Small WY Range. Uncertain Abundance Trends. Local Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.		CAM, CRO, LAR, NAT, NIO, PAR, SHE, WES
Northern bobwhite (Native populations) (Colinus virginianus)	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		GOS, LAR, NIO, PLA
California gull (Breeding colonies) (Larus californicus)	G5/[S2B]	[Breed: S periph.]	NR	NR		ALB, CAR, FRE, NAT?, PAR, TET
Common tern (Sterna hirundo)	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Less security in Wyoming relative to other areas.		ALB, FRE
Barn owl (Tyto alba)	G5/S2	Uncertain WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		CAM?, CON?, GOS?, LAR?, NIO?, PLA?, SWE?, UIN?, WES?
Western screech-owl (Otus kennicottii)	G5/S2	Very Small WY Range. Low Range Occupation. Low Abundance.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		LIN?, SUB, TET, UIN?
Eastern screech-owl (Otus asio)	G5/[S3]	[Year-round: W periph.]	NR	NR		ALB, BIG, CAM, CAR, CON, CRO, FRE?, GOS, HOT, JOH, LAR, NAT, NIO, PLA, PAR?, SHE, WAS, WES

## Species of Potential Concern – All Taxa (continued)

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
Flammulated owl ( <i>Otus flammeolus</i> )	G4/S1 ?	Uncertain WY Range. Low Range Occupation. Unknown Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats. Patchy Distribution.	High	Uncertain portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, USFS R4 Sensitive	ALB, BIG, FRE, NAT, TET
Chimney swift ( <i>Chaetura pelagica</i> )	G5/[S3B]	[Breed: W periph.]	NR	NR		CAR, CON, GOS, LAR, NAT, NIO?, PLA, SHE
Ash-throated flycatcher ( <i>Myiarchus cinerascens</i> )	G5/[S3B]	[Breed: N periph.]	NR	NR	WYGF NSS3	CAR, NAT, SWE, UIN
Canyon wren ( <i>Catherpes mexicanus</i> )	G5/[S2S3]	[Year-round: NE periph.]	NR	NR		BIG, CON, CRO, FRE, JOH, NAT, PAR, PLA, SHE, SWE, TET, WAS
Sage thrasher ( <i>Oreoscoptes montanus</i> )	G5/S5	Large WY Range. Moderate Biological Vulnerability. Moderate External Threats.	Medium	High portion of its range in Wyoming, Wide continental distribution, and More security in Wyoming relative to other areas.	Wyoming BLM Sensitive	ALB, BIG, CAM, CAR, CRO?, CON, FRE, GOS, HOT, JOH, LAR, LIN, NAT, NIO, PAR, PLA?, SHE, SUB, SWE, TET, UIN, WAS, WES
Red-eyed vireo ( <i>Vireo olivaceus</i> )	G5/[S3B]	[Breed: SW periph.]	NR	NR		ALB, CON, CRO, FRE, JOH, NAT, PAR, PLA, SHE, SWE, TET, WES
Blue grosbeak ( <i>Guiraca caerulea</i> )	G5/[S3B]	[Breed: N periph.]	NR	NR		BIG, CAR, FRE, GOS, LAR, NAT, PLA, SHE, SWE
White-winged crossbill ( <i>Loxia leucoptera</i> )	G5/S2	Moderate WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Equal security in Wyoming relative to other areas.		ALB, CRO, FRE, LAR, PAR, SWE, TET, WES
Clay-colored sparrow ( <i>Spizella pallida</i> )	G5/[S3B]	[Breed: S periph.]	NR	NR		ALB, CAM, CON?, CRO, FRE, GOS, JOH, LAR, NAT, PAR, SHE, TET, WAS
Indigo bunting ( <i>Passerina cyanea</i> )	G5/[S3B]	[Breed: WNW periph.]	NR	NR	WYGF NSS4	CRO, WES
<b><u>FISH</u></b>						
Common shiner ( <i>Luxilus cornutus</i> )	G5/[S3S4]	[W periph. Disjunct]	NR	NR	WYGF NSS3	ALB, CAR, CON, FRE?, GOS, LAR, NAT, PLA
Iowa darter ( <i>Etheostoma exile</i> )	G5/[S3S4]	[SW periph. Disjunct]	NR	NR	WYGF NSS4	ALB, CAR, CON, FRE?, GOS, LAR, NAT, NIO, PLA
Burbot [Ling] ( <i>Lota lota</i> )	G5/[S3S4]	[S periph.]	NR	NR	WYGF NSS2	BIG, FRE, HOT, PAR, WAS
Sauger ( <i>Stizostedion canadense</i> )	G5/[S3S4]	[W periph.]	NR	NR	WYGF NSS2	BIG, CAM, FRE, HOT, JOH, PAR, SHE, WAS
<b><u>AMPHIBIANS</u></b>						
Tiger salamander ( <i>Ambystoma tigrinum</i> )	G5/S4	Large WY Range. Uncertain Abundance Trends. Moderate Biological Vulnerability.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	WYGF NSS4	all counties
Great Plains toad ( <i>Bufo cognatus</i> )	G5/[S3]	[W periph.]	NR	NR	WYGF NSS4	CAM, CRO?, NIO? WES



## Species of Potential Concern – All Taxa (continued)

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
Columbia spotted frog [Spotted frog] (Bighorn Mountain Spotted Frog) ( <i>Rana luteiventris</i> [ <i>Rana pretiosa</i> ] (undescribed taxon))	G4/T1Q/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Local Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Equal security in Wyoming relative to other areas.	USFS R2 Sensitive, USFS R4 Sensitive, Wyoming BLM Sensitive, WYGF NSS5	SHE
Wood frog (Southern Rockies Wood Frog) ( <i>Rana sylvatica</i> (undescribed taxon))	G5/T2Q/S1	Small WY Range. Low Range Occupation. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats. Local Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, WYGF NSS3	ALB, CAR
Wood frog (Bighorn Mountain Wood Frog) ( <i>Rana sylvatica</i> (undescribed taxon))	G5/T1Q/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats. Local Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Equal security in Wyoming relative to other areas.	USFS R2 Sensitive, WYGF NSS3	BIG, JOH, SHE
<b><u>REPTILES</u></b>						
Milk snake ( <i>Lampropeltis triangulum</i> )	G5/S3	Moderate WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		0
Great Basin gopher snake ( <i>Pituophis catenifer deserticola</i> [ <i>P. melanoleucus deserticola</i> ])	G5/T5/S3	Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		SWE
Western plains garter snake ( <i>Thamnophis radix haydenii</i> )	G5/T5/[S4]	[W periph.]	NR	NR		CAM, CRO?, GOS, LAR, NIO, PLA?, WES?
Eastern yellowbelly racer ( <i>Coluber constrictor flaviventris</i> )	G5/T5/[S4]	[W periph.]	NR	NR		ALB, BIG?, CAR, CAM, CON, CRO, GOS, JOH, NAT, NIO?, PLA, SHE, WAS?, WES
Spiny softshell turtle ( <i>Apalone spinifer</i> [ <i>Trionyx spiniferus</i> ])	G5/[S4]	[W periph.]	NR	NR		BIG, CAM, CRO?, GOS, HOT, JOH, NIO, PLA, SHE, WAS, WES?
<b><u>MAMMALS</u></b>						
Dwarf shrew ( <i>Sorex nanus</i> )	G4/S4	Large WY Range. Low Range Occupation. Uncertain Abundance Trends. Patchy Distribution.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	WYGF NSS3	ALB, CAM, CAR, CON?, FRE?, HOT?, JOH, LAR?, LIN, NAT?, PAR, PLA?, SUB?, SWE?, TET, UIN
Eastern mole ( <i>Scalopus aquaticus</i> )	G5/S2	Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		GOS, LAR?, PLA
Hoary bat ( <i>Lasiurus cinereus</i> )	G5/S4	Large WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		ALB, BIG?, CAM, CAR, CON, CRO, FRE?, GOS?, HOT?, JOH?, LAR?, LIN, NAT?, NIO?, PAR, PLA?, SHE?, SUB?, SWE, TET, UIN?, WAS, WES?

## Species of Potential Concern – All Taxa (continued)

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
Silver-haired bat (Lasionycteris noctivagans)	G5/[S3B]	[Breed: core]	NR	NR		all except SUB, TET
Western small-footed myotis (Myotis ciliolabrum [Myotis leibii])	G5/[S3B]	[Breed: core Winter: N periph.]	NR	NR	WYGF NSS3	ALB, BIG, CAR, CON, CRO, FRE, GOS, HOT, JOH, LAR, LIN, NAT, PAR, PLA, SHE, SWE, WAS
Long-legged myotis (Myotis volans)	G5/[S3B]	[Breed: E periph.]	NR	NR	WYGF NSS2	all except CAM, NIO
Long-eared myotis (Myotis evotis)	G5/S4	Large WY Range. Low Range Occupation.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.	Wyoming BLM Sensitive, WYGF NSS2	ALB?, BIG, CAM?, CAR, CON?, CRO, FRE, GOS?, HOT, JOH, LAR?, LIN?, NAT?, NIO?, PAR, PLA?, SHE, SUB, SWE, TET, UIN, WAS, WES?
Eastern cottontail (Sylvilagus floridanus)	G5/S3	Very Small WY Range. Low Abundance. Uncertain Abundance Trends.	Low	Accidental or occasional in Wyoming		GOS, LAR, PLA?
Wyoming ground squirrel (Spermophilus elegans)	G5/[S3S4]	[Reg. endm.]	NR	NR		ALB, CAR, CON, FRE, HOT, LAR, LIN, NAT, PAR, PLA?, SWE, SUB, TET, UIN, WAS
Uinta ground squirrel (Spermophilus amatus)	G5/[S3S4]	[Reg. endm.]	NR	NR		FRE, LIN, PAR, SUB, SWE, TET, UIN
Abert's squirrel (Sciurus aberti)	G5/S1	Very Small WY Range. Low Abundance. Uncertain Abundance Trends. Regional Endemic.	Low	Accidental or occasional in Wyoming		ALB, LAR
Red squirrel (Bighorn Mountain population) (Tamiasciurus hudsonicus (undescribed taxon))	G5/T3Q/S3	Very Small WY Range. Uncertain Abundance Trends. Local Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Equal security in Wyoming relative to other areas.		BIG?, JOH?, SHE?, WAS?
Northern flying squirrel (Black Hills population) (Glaucomys sabrinus (undescribed taxon))	G5/T2Q/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats. Local Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.		CRO, WES
Olive-backed pocket mouse (Perognathus fasciatus)	G5/[S4]	[Core]	NR	NR	WYGF NSS3	ALB, BIG, CAR, CAM, CON, CRO?, FRE, GOS, HOT?, JOH, NAT, NIO, LAR, PAR?, PLA, SHE, SWE, WAS, WES?
White-footed mouse (Peromyscus leucopus)	G5/S3	Small WY Range. Low Range Occupation.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Less security in Wyoming relative to other areas.		CAM, CRO, JOH?, NIO, SHE
Southern red-backed vole (Bighorn Mountain population) (Clethrionomys gapperi (undescribed taxon))	G5/T3Q/S3	Very Small WY Range. Uncertain Abundance Trends. Local Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Equal security in Wyoming relative to other areas.		BIG?, JOH?, SHE?, WAS?

## Species of Potential Concern – All Taxa (continued)

Common Name (Scientific Name)	Heritage Rank	Heritage State Rank Reasons	WY Cont. Rank	Wyoming Contribution Rank Reasons	Federal and State Status	County of Occurrence
Water vole (Bighorn Mountain population) ( <i>Microtus richardsoni</i> [ <i>Arvicola richardsoni</i> ] (undescribed taxon))	G5/T2Q/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats. Local Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive, WYGF NSS3	BIG, JOH, SHE, WAS
Native Rocky Mountain red fox ( <i>Vulpes vulpes macroura</i> )	G?/T1Q/S1	Small WY Range. Low Range Occupation. Low Abundance. Declining Abundance. Moderate Biological Vulnerability. High External Threats. Patchy Distribution.	High	Medium portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.		ALB?, CAR?, FRE?, HOT?, LIN?, PAR?, SUB?, TET?, UIN?
Common gray fox ( <i>Urocyon cinereoargenteus</i> )	G5/S2	Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		CAM?, CON?, CRO?, GOS?, JOH?, NAT?, NIO?, PLA?, WES
Ringtail ( <i>Bassariscus astutus</i> )	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends.	Low	Accidental or occasional in Wyoming		ALB, CAR?, LIN, SWE, UIN?
American marten [Pine marten] (Bighorn Mountain population) ( <i>Martes americana</i> (undescribed taxon))	G5/T2Q/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats. Local Endemic.	Very High	High portion of its range in Wyoming, Restricted continental distribution, and Equal security in Wyoming relative to other areas.	USFS R2 Sensitive	BIG, JOH, SHE, WAS
American marten [Pine marten] (Black Hills population) ( <i>Martes americana</i> (undescribed taxon))	G5/T2Q/S1	Reintroduced Taxon. Very Small WY Range. Low Range Occupation. Low Abundance. Moderate Biological Vulnerability. Moderate External Threats. Local Endemic.	High	Medium portion of its range in Wyoming, Restricted continental distribution, and Uncertain security in Wyoming relative to other areas.	USFS R2 Sensitive	CRO?, WES?
Least weasel ( <i>Mustela nivalis</i> [ <i>Mustela rixosa</i> ])	G5/S1	Very Small WY Range. Low Range Occupation. Low Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats.	Low	Accidental or occasional in Wyoming	WYGF NSS3	CAM, JOH?, SHE
Plains (eastern) spotted skunk ( <i>Spilogale putorius interruptua</i> )	G5/T4/S3	Moderate WY Range. Low Range Occupation. Unknown Abundance. Uncertain Abundance Trends. Moderate Biological Vulnerability. Moderate External Threats.	Low	Low portion of its range in Wyoming, Wide continental distribution, and Uncertain security in Wyoming relative to other areas.		CAM?, CON?, CRO?, GOS?, JOH?, LAR?, NIO?, PLA?, SHE?, WES?
Bighorn sheep ( <i>Ovis canadensis</i> )	G4/[S3S4]	[Historic: core Extant: disjunct]	NR	NR		ALB, BIG, CAR, CON?, FRE, HOT, LIN, NAT?, PAR, SUB, TET, WAS?

## Species Dropped from Previous Lists – All Taxa

Common Name (Scientific Name)	Action Taken
Milk snake ( <i>Lampropeltis triangulum</i> )	Moved to Potential Concern List
Great Basin gopher snake ( <i>Pituophis catenifer deserticola</i> [P. <i>melanoleucus deserticola</i> ] )	Moved to Potential Concern List
Ring-necked duck ( <i>Aythya collaris</i> )	Moved to Potential Concern List
Bufflehead ( <i>Bucephala albeola</i> )	Moved to Potential Concern List
Merlin ( <i>Falco colum barius</i> )	Moved to Potential Concern List
Arctic peregrine falcon ( <i>Falco peregrinus tundrius</i> )	Moved to Potential Concern List
Greater prairie-chicken ( <i>Tympanuchus cupido</i> )	Moved to Potential Concern List
Northern bobwhite (Native populations only) ( <i>Colinus virginianus</i> )	Moved to Potential Concern List
Piping plover ( <i>Charadrius melodus</i> )	Moved to Potential Concern List
Upland sandpiper ( <i>Bartramia longicauda</i> )	Dropped from Concern List
Wilson's phalarope ( <i>Phalaropus tricolor</i> )	Dropped from Concern List
Ring-billed gull (Breeding colonies only) ( <i>Larus delawarensis</i> )	Moved to Potential Concern List
Herring gull (Breeding colonies only) ( <i>Larus argentatus</i> )	Moved to Potential Concern List
Common tern ( <i>Sterna hirundo</i> )	Moved to Potential Concern List
Barn owl ( <i>Tyto alba</i> )	Moved to Potential Concern List
Western screech-owl ( <i>Otus kennicottii</i> )	Moved to Potential Concern List
Black-chinned hummingbird ( <i>Archilochus alexandri</i> )	Dropped from Concern List
Rufous hummingbird ( <i>Selasphorus rufus</i> )	Dropped from Concern List
Eastern phoebe ( <i>Sayornis phoebe</i> )	Moved to Potential Concern List
Hammond's flycatcher ( <i>Empidonax hammondi</i> )	Moved to Potential Concern List
Cassin's kingbird ( <i>Tyrannus vociferans</i> )	Dropped from Concern List
Winter wren ( <i>Troglodytes troglodytes</i> )	Moved to Potential Concern List
Golden-crowned kinglet ( <i>Regulus satrapa</i> )	Moved to Potential Concern List
Eastern bluebird ( <i>Sialia sialis</i> )	Moved to Potential Concern List
Townsend's warbler ( <i>Dendroica townsendi</i> )	Moved to Potential Concern List
Rose-breasted grosbeak ( <i>Pheucticus ludovicianus</i> )	Moved to Potential Concern List
Dickcissel ( <i>Spiza americana</i> )	Moved to Potential Concern List
Cassin's sparrow ( <i>Aimophila cassinii</i> )	Moved to Potential Concern List
Grasshopper sparrow ( <i>Ammodramus savannarum</i> )	Moved to Potential Concern List
Brewer's sparrow ( <i>Spizella breweri</i> )	Moved to Potential Concern List

Common Name (Scientific Name)	Action Taken
White-winged junco ( <i>Junco hyemalis aikeni</i> )	Moved to Potential Concern List
White-winged crossbill ( <i>Loxia leucoptera</i> )	Moved to Potential Concern List
Dwarf shrew ( <i>Sorex nanus</i> )	Moved to Potential Concern List
Eastern mole ( <i>Scalopus aquaticus</i> )	Moved to Potential Concern List
Long-eared myotis ( <i>Myotis evotis</i> )	Moved to Potential Concern List
Hoary bat ( <i>Lasiurus cinereus</i> )	Moved to Potential Concern List
Eastern cottontail ( <i>Sylvilagus floridanus</i> )	Moved to Potential Concern List
Spotted ground squirrel ( <i>Spermophilus spilosma</i> )	Dropped from Concern List
Northern flying squirrel (Black Hills population) ( <i>Glaucomys sabrinus</i> (undescribed taxon))	Moved to Potential Concern List
Abert's squirrel ( <i>Sciurus aberti</i> )	Moved to Potential Concern List
Plains pocket mouse ( <i>Perognathus flavescens</i> )	Dropped from Concern List
Silky pocket mouse ( <i>Perognathus flavus</i> )	Dropped from Concern List
Great Basin pocket mouse ( <i>Perognathus parvus</i> )	Dropped from Concern List
Hispid pocket mouse ( <i>Chaetodipus hispidus</i> [ <i>Perognathus hispidus</i> ])	Dropped from Concern List
Plains harvest mouse ( <i>Reithrodontomys montanus</i> )	Dropped from Concern List
White-footed mouse ( <i>Peromyscus leucopus</i> )	Moved to Potential Concern List
Water vole (Bighorn Mountain population) ( <i>Microtus richardsoni</i> [ <i>Arvicola richardsoni</i> ] (undescribed taxon))	Moved to Potential Concern List
Common gray fox ( <i>Urocyon cinereoargenteus</i> )	Moved to Potential Concern List
Ringtail ( <i>Bassariscus astutus</i> )	Moved to Potential Concern List
American marten [Pine marten] (Bighorn Mountain population) ( <i>Martes americana</i> (undescribed taxon))	Moved to Potential Concern List
Least weasel ( <i>Mustela nivalis</i> [ <i>Mustela rixosa</i> ])	Moved to Potential Concern List
Plains (eastern) spotted skunk ( <i>Spilogale putorius interruptua</i> )	Moved to Potential Concern List
Western spotted skunk ( <i>Spilogale gracilis</i> [ <i>Spilogale putorius</i> ])	Dropped from Concern List
Swainson's hawk ( <i>Buteo swainsoni</i> )	Dropped from Watch List
Prairie falcon ( <i>Falco mexicanus</i> )	Dropped from Watch List
Red-naped sapsucker ( <i>Sphyrapicus nuchalis</i> )	Dropped from Watch List
Willow flycatcher ( <i>Empidonax traillii</i> )	Dropped from Watch List
Cordilleran flycatcher [Western flycatcher] ( <i>Empidonax occidentalis</i> [ <i>Empidonax difficilis</i> ])	Dropped from Watch List
Marsh wren ( <i>Cistothorus palustris</i> )	Dropped from Watch List
Lark bunting ( <i>Calamospiza melanocorys</i> )	Dropped from Watch List
American marten [Pine marten] (statewide) ( <i>Martes americana</i> )	Dropped from Watch List

**RARE ANIMAL OBSERVATION FORM** WYNDD, Univ. Wyoming - Dept. 3381, Laramie, WY 82071

**SPECIES NAME** \_\_\_\_\_

Date of observation \_\_\_\_\_ Observers \_\_\_\_\_

Obs. affiliation/ contact info \_\_\_\_\_

**LOCATION:** (if possible, please attach copy of map with location noted)

USGS quad name \_\_\_\_\_ County \_\_\_\_\_

Township \_\_\_\_\_ Range \_\_\_\_\_ Section \_\_\_\_\_ 1/4 of sec \_\_\_\_\_ 1/4 of 1/4 sec \_\_\_\_\_

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Datum \_\_\_\_\_ UTM-N \_\_\_\_\_ UTM-E \_\_\_\_\_

Description of location \_\_\_\_\_

Jurisdiction (e.g., USFS District, BLM Resource Area) \_\_\_\_\_

**BIOLOGY:** # of: individuals \_\_\_\_\_ adults \_\_\_\_\_ juv / subadults \_\_\_\_\_  
(males) \_\_\_\_\_ (m) \_\_\_\_\_ (m) \_\_\_\_\_  
(females) \_\_\_\_\_ (f) \_\_\_\_\_ (f) \_\_\_\_\_

Life-history notes \_\_\_\_\_

Reproductive notes \_\_\_\_\_

Behavioral notes \_\_\_\_\_

**HABITAT:** Elevation \_\_\_\_\_ Distance to open water \_\_\_\_\_

Vegetation at site \_\_\_\_\_

Vegetation in surroundings \_\_\_\_\_

Land use at site \_\_\_\_\_

Aquatic setting (e.g., pond, riffle, pool) \_\_\_\_\_

**DOCUMENTATION:** Visual \_\_\_\_\_ Tracks \_\_\_\_\_ Scat \_\_\_\_\_ Song/call \_\_\_\_\_ Roadkill \_\_\_\_\_

Other \_\_\_\_\_

Specimen collected? (collector, coll. #, where located) \_\_\_\_\_

Photo taken? (photographer, photo #, where located) \_\_\_\_\_

Identification confirmed? \_\_\_\_\_

((Please attach any sheets necessary to elaborate or diagram any information associated with this observation))

DATE OF SURVEY: \_\_\_\_/\_\_\_\_/\_\_\_\_ OBSERVER(S): \_\_\_\_\_

**PLANT SPECIES OF CONCERN SURVEY FORM**  
**WYNDD, Univ. Wyoming - Dept. 3381, Laramie, WY 82071**

SPECIES NAME: \_\_\_\_\_ COUNTY: \_\_\_\_\_

LOCATION: (attach annotated topo map copies with population location or GIS electronic files if available)

USGS QUAD: \_\_\_\_\_ ELEVATION RANGE: \_\_\_\_\_

TOWNSHIP, RANGE, SECTION(s), 1/4SEC(s): \_\_\_\_\_

NATIONAL FOREST DISTRICT/BLM FIELD OFFICE/OTHER: \_\_\_\_\_

DIRECTIONS TO SITE (Refer to physiographic region, roads, trails, topo features, nearest town, etc.) \_\_\_\_\_

TOTAL NO. of INDIVIDUALS (by SUBPOPULATION) \_\_\_\_\_

SIZE (ACRES) AND DISTRIB.: \_\_\_\_\_

% FLOWERING \_\_\_\_\_ % FRUITING \_\_\_\_\_ % VEGETATIVE \_\_\_\_\_

VEGETATION TYPE/ DOMINANT SPECIES: \_\_\_\_\_

ASSOCIATED SPECIES: \_\_\_\_\_

GENERAL SETTING: \_\_\_\_\_

ASPECT (S, SE, NNW, etc.): \_\_\_\_\_ % SLOPE: \_\_\_\_\_ SLOPE POSITION: \_\_\_\_\_

SLOPE SHAPE: \_\_\_\_\_ LIGHT EXPOSURE: \_\_\_\_\_ MOISTURE: \_\_\_\_\_

SOIL TEXTURE: \_\_\_\_\_ SOIL SERIES/GEOLOGY: \_\_\_\_\_

LAND USE/ SIGNS OF DISTURBANCE: \_\_\_\_\_

PHOTOGRAPH TAKEN? : \_\_\_\_\_ VEGETATION PLOT?: \_\_\_\_\_

SPECIMEN (COLLECTOR/ COLL. #/REPOSITORY): \_\_\_\_\_

COMMENTS: \_\_\_\_\_

Please use the reverse side for elaborating or diagramming any of the information on this form