

APPENDIX F - SPECIAL STATUS PLANTS IN THE IDAHO FALLS AND TWIN FALLS DISTRICTS

TABLE 1. SPECIAL STATUS PLANTS IN THE IDAHO FALLS AND TWIN FALLS DISTRICTS					
Common Name	Scientific Name	BLM Status	Global Rank /Threat Rating or State Status	BLM Field Office of Known Occurrence	Vegetation Types of Occurrence
Type 1					
Ute's-ladies tresses	<i>Spiranthes diluvialis</i>	Threatened	G2	Upper Snake	Riparian
Type 2					
Goose Creek milkvetch	<i>Astragalus anserinus</i>	Sensitive	G2, 8	Burley	Low-elevation Shrub Steppe Mid-elevation Shrub Steppe Juniper, Pinyon-Juniper Mix
Lemhi milkvetch	<i>Astragalus aquilonius</i>	Sensitive	G3, 5	Upper Snake	Low-elevation Shrub Steppe
Starveling milkvetch	<i>Astragalus jejunus</i> var. <i>jejunus</i>	Sensitive	G3/T3, 9	Pocatello	Mid-elevation Shrub Steppe
Tufted cryptantha	<i>Cryptantha caespitosa</i>	Sensitive	G3, 2	Pocatello	Mid-elevation Shrub Steppe Mountain Shrub
Welsh's buckwheat	<i>Eriogonum capistratum</i> var. <i>welshii</i>	Sensitive	G4/T2, 9	Upper Snake	Mid-elevation Shrub Steppe Mountain Shrub
Saint Anthony evening primrose	<i>Oenothera psammophila</i>	Sensitive	G3, 8	Upper Snake	Other (sand dunes)
Obscure phacelia	<i>Phacelia inconspicua</i>	Sensitive	G1, 5	Upper Snake	Mid-elevation Shrub Steppe Aspen, Aspen/Conifer Mix Mountain Shrub
Least phacelia	<i>Phacelia minutissima</i>	Sensitive	G3, 5	Shoshone	Riparian Mid-elevation Shrub Steppe Aspen, Aspen/Conifer Mix
Alkali primrose	<i>Primula alcalina</i>	Sensitive	G2, 8	Upper Snake	Riparian

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Rolland's bulrush	<i>Scirpus rollandii</i> (<i>Scirpus pumilus</i> ssp. <i>rollandii</i>)	Sensitive	G3, 8	Upper Snake	Riparian
Malheur princesplume	<i>Stanleya confertifolia</i>	Sensitive	G2, 2	Shoshone	Low-elevation Shrub Steppe
Type 3					
Two-headed onion	<i>Allium anceps</i>	Sensitive	S2	Burley, Upper Snake	Low-elevation Shrub Steppe Mid-elevation Shrub Steppe
Lost River milkvetch	<i>Astragalus amnis-amissi</i>	Sensitive	G3, 11	Upper Snake	Other (limestone cliffs)
Mourning milkvetch	<i>Astragalus atratus</i> var. <i>inseptus</i>	Sensitive	G4/T3, 12	Shoshone	Low-elevation Shrub Steppe Mid-elevation Shrub Steppe
Meadow milkvetch	<i>Astragalus diversifolius</i>	Sensitive	G2, 11	Upper Snake	Riparian
Tufted milkvetch	<i>Astragalus gilviflorus</i>	Sensitive	S1	Upper Snake	Mid-elevation Shrub Steppe Mountain Shrub
Picabo milkvetch	<i>Astragalus oniciformis</i>	Sensitive	G3, 11	Upper Snake, Shoshone	Low-elevation Shrub Steppe Mid-elevation Shrub Steppe
Four-wing milkvetch	<i>Astragalus tetrapterus</i>	Sensitive	S1	Burley	Low-elevation Shrub Steppe Mid-elevation Shrub Steppe
Western sedge	<i>Carex occidentalis</i>	Sensitive	S1	Upper Snake	Mountain Shrub Aspen, Aspen/Conifer Mix Dry Conifer
Uinta Basin cryptantha	<i>Cryptantha breviflora</i>	Sensitive	S2	Pocatello	Mid-elevation Shrub Steppe Juniper, Pinyon-Juniper Mix
Sepal-tooth dodder	<i>Cuscuta denticulata</i>	Sensitive	S1	Upper Snake	Mid-elevation Shrub Steppe

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Chatterbox orchid	<i>Epipactis gigantea</i>	Sensitive	S2	Burley, Upper Snake, Shoshone	Riparian
Great Basin desert buckwheat	<i>Eriogonum desertorum</i>	Sensitive	S1	Pocatello	Mid-elevation Shrub Steppe Juniper, Pinyon-Juniper Mix
Bugleg goldenweed	<i>Haplopappus insecticuriis (Pyrocoma insecticuriis)</i>	Sensitive	G3, 11	Shoshone	Mid-elevation Shrub Steppe
Spreading gilia	<i>Ipomopsis polycladon</i>	Sensitive	S2	Upper Snake	Salt Desert Shrub Low-elevation Shrub Steppe Mid-elevation Shrub Steppe
Davis peppergrass	<i>Lepidium davisii</i>	Sensitive	G3, 11	Burley	Low-elevation Shrub Steppe
Marsh felwort	<i>Lomatogonium rotatum</i>	Sensitive	S1	Upper Snake	Riparian
Idaho penstemon	<i>Penstemon idahoensis</i>	Sensitive	G2, 11	Burley	Mid-elevation Shrub Steppe Juniper, Pinyon-Juniper Mix
Small-flowered ricegrass	<i>Piptatherum micranthum</i>	Sensitive	S2	Upper Snake	Other (limestone cliffs)
Tall dropseed	<i>Sporobolus asper</i>	Sensitive	S1	Shoshone	Low-elevation Shrub Steppe
Green needlegrass	<i>Stipa viridula (Nassella viridula)</i>	Sensitive	S2	Upper Snake, Pocatello	Mid-elevation Shrub Steppe
Tufted Townsend daisy	<i>Townsendia scapigera</i>	Sensitive	S2	Burley	Low-elevation Shrub Steppe Mid-elevation Shrub Steppe Mountain Shrub

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Type 4					
Rush aster	<i>Aster junciformis</i> (<i>Symphyotrichum boreale</i>)	Sensitive	S	Upper Snake	Riparian
Two-grooved milkvetch	<i>Astragalus bisulcatus</i> var. <i>bisulcatus</i>	Sensitive	S	Upper Snake	Low-elevation Shrub Steppe Riparian
Drummond's milkvetch	<i>Astragalus drummondii</i>	Sensitive	S	Upper Snake	Mid-elevation Shrub Steppe Mountain Shrub
Newberry's milkvetch	<i>Astragalus newberryi</i> var. <i>castoreus</i>	Sensitive	S	Burley	Low-elevation Shrub Steppe Mid-elevation Shrub Steppe
Winged-seed evening primrose	<i>Camissonia pterosperma</i>	Sensitive	S	Upper Snake	Mid-elevation Shrub Steppe
Foothill sedge	<i>Carex tumulicola</i>	Sensitive	S	Pocatello	Mid-elevation Shrub Steppe
Earth lichen	<i>Catapyrenium congestum</i>	Sensitive	S	Shoshone	Low-elevation Shrub Steppe
Cushion cactus	<i>Coryphantha vivipara</i> (<i>Escobaria vivipara</i>)	Sensitive	S	Upper Snake	Mid-elevation Shrub Steppe Mountain Shrub
Bacigalupi's downingia	<i>Downingia bacigalupii</i>	Sensitive	S	Shoshone	Riparian
White eatonella	<i>Eatonella nivea</i>	Sensitive	S	Shoshone	Salt Desert Shrub Low-elevation Shrub Steppe
White-margined wax plant	<i>Glyptopleura marginata</i>	Sensitive	S	Burley	Salt Desert Shrub Low-elevation Shrub Steppe
Cooper's rubber-plant	<i>Hymenoxys cooperi</i> var. <i>canescens</i>	Sensitive	S	Pocatello	Mid-elevation Shrub Steppe
Red glasswort	<i>Salicornia rubra</i>	Sensitive	S	Pocatello	Riparian
Hoary willow	<i>Salix candida</i>	Sensitive	S	Upper Snake, Pocatello	Riparian

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Type 5					
Cusick's horse-mint	<i>Agastache cusickii</i>	Watch	R	Burley	Mid-elevation Shrub Steppe Mountain Shrub Juniper, Pinyon-Juniper Mix
Coral lichen	<i>Aspicilia fruticulosa</i>	Watch	R	Pocatello	Low-elevation Shrub Steppe
Park milkvetch	<i>Astragalus leptaleus</i>	Watch	M	Upper Snake	Riparian
Snake River milkvetch	<i>Astragalus purshii</i> var. <i>ophiogenes</i>	Watch	M	Shoshone	Low-elevation Shrub Steppe
Fringed redmaids	<i>Calandria ciliata</i>	Watch	R	Shoshone	Mid-elevation Shrub Steppe
Buxbaum's sedge	<i>Carex buxbaumii</i>	Watch	M	Shoshone	Riparian
Birchleaf mountain-mahogany	<i>Cercocarpus montanus</i>	Watch	R	Pocatello	Mountain Shrub
Silky cryptantha	<i>Cryptantha sericea</i>	Watch	M	Pocatello	Low-elevation Shrub Steppe Mid-elevation Shrub Steppe
Ibapah springparsley	<i>Cymopterus ibapensis</i>	Watch	R	Upper Snake, Pocatello	Low-elevation Shrub Steppe
Swamp willow-herb	<i>Epilobium palustre</i>	Watch	M	Upper Snake	Riparian
Hall's rush	<i>Juncus hallii</i>	Watch	R	Upper Snake, Pocatello	Riparian
Congested blazing-star	<i>Mentzelia congesta</i>	Watch	R	Shoshone	Low-elevation Shrub Steppe Mid-elevation Shrub Steppe Juniper, Pinyon-Juniper Mix
Wild timothy	<i>Muhlenbergia racemosa</i>	Watch	R	Upper Snake, Pocatello	Riparian

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Simpson's hedgehog cactus	<i>Pediocactus simpsonii</i>	Watch	M	Burley, Pocatello	Salt Desert Shrub Low-elevation Shrub Steppe Mid-elevation Shrub Steppe Mountain Shrub Juniper, Pinyon-Juniper Mix
Cusick's primrose	<i>Primula cusickiana</i>	Watch	R	Shoshone	Mid-elevation Shrub Steppe Mountain Shrub
Lost River silene	<i>Silene scaposa</i> var. <i>lobata</i>	Watch	M	Upper Snake	Mid-elevation Shrub Steppe

F.1 SPECIAL STATUS PLANTS

Rare species are afforded protection under the Endangered Species Act (ESA) of 1973, as amended, and under Bureau of Land Management (BLM) regulations. The mandates of the ESA only apply to rare species that have been officially listed as threatened or endangered, are proposed for listing, or are candidates for listing (BLM Manual 6840). BLM is required to consult with the U.S. Fish and Wildlife Service (USFWS) on potential impacts to listed plant species. The USFWS also suggests BLM consult with them informally when assessing projects that may impact candidate species.

BLM sensitive species are designated by the State Director under 16 U.S.C. 1536 (a)(2). Sensitive species shall be managed so they will not need to be listed as proposed, threatened, or endangered, with the same level of protection as candidate species (BLM Manual 6840). A protocol for identification of Idaho BLM special status plants was developed in 2002. This protocol was modeled after a similar protocol developed by Region 1 of the U.S. Forest Service and mostly relies on an international system for ranking species imperilment originally set up by the Nature Conservancy for the Natural Heritage Program's and Conservation Data Centers in North and South America. States and provinces continue to use this global and state/provincial ranking system to assess extinction threats at the global and more local scales. In addition to these rankings, Idaho BLM used other sources of information and criteria to help better define trends and threats for rare plant species. This includes the Idaho Native Plant Society's ranking system and the USFWS "Listing Priority Ranking Table." Status of all rare plant taxa is reviewed and updated annually at the Idaho Rare Plant Conference. The status rankings listed in this appendix are the results of the 2003 Idaho Rare Plant Conference and the 2003 Idaho Special Status Plant list. Ranking categories and protocols for special status plants are as follows:

TYPE 1. THREATENED, ENDANGERED, AND PROPOSED SPECIES

These species are listed by the USFWS as threatened or endangered, or they are proposed for listing under the ESA.

TYPE 2. RANGEWIDE/GLOBALLY IMPERILMENT SPECIES

These are taxa designated as USFWS candidate species or are ranked by the Idaho Conservation Data Center (IDCDC) as critically imperiled to globally rare (G1–G3 or T1–T3) with a threat priority of 1–9 (see below for acronyms, definitions, and threat priority table).

TYPE 3. REGIONAL/STATE IMPERILMENT SPECIES

These are taxa that are in danger of becoming extirpated from Idaho in the foreseeable future if factors contributing to their decline or habitat degradation or loss continues. These are taxa that are ranked by the IDCDC with global ratings of G1–G3 or T1–T3 with a threat priority of 10–12 or that have an Idaho Native Plant Society ranking of Priority 1–2.

TYPE 4. SPECIES OF CONCERN

These are taxa that are generally rare in Idaho and may be local endemics with currently low threat levels or peripheral, rare species. These taxa are designated by the Idaho Native Plant Society as Sensitive. They have small populations or localized distribution within Idaho and do not meet the criteria for classification as Priority 1 or 2, but their populations and habitats might be jeopardized without active management or removal of threats.

TYPE 5. WATCH LIST

Watch list taxa are not considered BLM sensitive species. These are taxa that may be added to the sensitive species list depending on new information concerning threats and species biology or statewide trends. The Idaho Native Plant Society lists these taxa as "Monitor" and "Review". The Watch list includes three general categories of taxa:

- A. Local endemic, peripheral, disjunct or generally rare taxa with stable, downward or suspected downward population trends where the threats and/or species biology is not well understood.
- B. Wide-ranging taxa with decreasing trend nationally or regionally but not in Idaho (or status in Idaho is unknown).
- C. Taxa that may or may not warrant federal protection, however data are insufficient to determine their conservation status at this time.

F.2 RANKING SYSTEM

The following ranking system was used during the Idaho Rare Plant Conference (2002) to determine the conservation rank of Idaho's global priority and state rare plant species.

GLOBALLY RARE SPECIES (TAXA RARE THROUGHOUT THEIR RANGE):

G = Global rank indicator; denotes rank based on range-wide status.

T = Trinomial rank indicator; denotes range-wide status of variety or subspecies.

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

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

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

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

5 = Demonstrably widespread, abundant, and secure.

STATE RARE SPECIES (TAXA RARE WITHIN IDAHO POLITICAL BOUNDARIES; MORE COMMON ELSEWHERE):

State Priority 1 (S1) = Taxa in danger of becoming extinct or extirpated from Idaho in the foreseeable future if identifiable factors contributing to their decline continue to operate. These are taxa whose populations are present only at critically low levels or whose habitats have been degraded or depleted to a significant degree.

State Priority 2 (S2) = Taxa likely to be classified as Priority 1 within the foreseeable future in Idaho, if factors contributing to population decline or habitat degradation or loss continue.

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

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

Review (R) = Taxa that may be of conservation concern in Idaho, but lack sufficient data to base a recommendation regarding their appropriate classification.

TABLE 2. THREAT PRIORITY			
Priority	Taxonomy	Threat	
		Magnitude	Immediacy
1	Monotypic genus	High	Imminent
2	Species		
3	Subspecies/Variety		
4	Monotypic genus		Non-imminent
5	Species		
6	Subspecies/Variety		
7	Monotypic genus	Low	Imminent
8	Species		
9	Subspecies/Variety		
10	Monotypic genus		Non-imminent
11	Species		
12	Subspecies/Variety		

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