

# Appendix 14

## CSKT Sensitive Species and Heritage Program Ranks for Species in the Flathead Subbasin

### Confederated Salish and Kootenai Tribes (CSKT) Sensitive Terrestrial Species List

The tribes and state classify 39 terrestrial, vertebrate wildlife species in the subbasin as sensitive (table xx). All are considered sensitive due to low populations, threats to their habitats, or highly restricted distributions. These species do not necessarily have legal protection but are considered sensitive to human activities and attention to their habitat and population needs may be warranted during the planning of resource management activities. The status of many of these species is not known because there have been few population or habitat studies.

Table 1. CSKT sensitive terrestrial species

<b>Amphibians</b>	
Boreal toad	Tailed frog
<b>Birds</b>	
Common loon	Common tern
American white pelican	Forster's tern
Black-crowned night-heron	Black tern
White-faced ibis	Yellow-billed cuckoo
Trumpeter swan	Flammulated owl
Harlequin duck	Burrowing owl
Bald eagle	Great gray owl
Northern goshawk	Boreal owl
Ferruginous hawk	Black swift
Peregrine falcon	Black-backed woodpecker
Columbian sharp-tailed grouse	Loggerhead shrike
Black-necked stilt	Baird's sparrow
Franklin's gull	Le conte's sparrow
Caspian tern	
<b>Mammals</b>	
Townsend's big-eared bat	Woodland caribou
Northern bog lemming	Wolverine
Gray wolf	Fisher
Grizzly bear	River Otter
Lynx	

### Montana Natural Heritage Program Ranks

Species have been evaluated and ranked on the basis of their global (range-wide) status, and their Montana-wide status, using the standardized ranking system of the Natural Heritage Network (NatureServe 2003). Species on the list may be common elsewhere but rare in Montana because they are on the margin of their range. These species are noted with a \* on the list. A number of factors are considered when assigning ranks including the number, size, and distribution of known populations, trends (if known), habitat sensitivity, and life history factors which make species especially vulnerable. Species are assigned ranks ranging from 1 (highest concern) to 5 (lowest concern). Rank definitions

follow the table.

MONTANA PLANT AND ANIMAL SPECIES OF CONCERN - FLATHEAD WATERSHED						
Montana Natural Heritage Program (August 21, 2003)						
SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	ESA STATUS	USFS STATUS	BLM STATUS
<i>Accipiter gentilis</i>	Northern Goshawk	G5	S3S4	SENSITIVE	SPECIAL STATUS	
<i>Acorus americanus</i>	Sweetflag	G5	S1			
<i>Allium columbianum</i>	Columbia Onion	G3	S1			
<i>Aloina brevirostris</i>		G3G5	S1			
<i>Amblyodon dealbatus</i>		G3G5	SH			
<i>Amerorchis rotundifolia</i>	Round-leaved Orchis	G5	S2S3	SENSITIVE	WATCH	
<i>Ammodramus leconteii</i>	Le Conte's Sparrow	G4	S1S2B	SPECIAL STATUS		
<i>Arabis lyrata</i> var. <i>kamchatica</i>	Lyre-leaf Rockcress	G5T5?	SH			
<i>Arctostaphylos patula</i>	Green-leaf Manzanita	G4	S1			
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	G5	SX			
<i>Aster frondosus</i>	Alkali Aster	G4	S1			
<i>Atriplex truncata</i>	Wedge-leaved Saltbush	G5	S1	WATCH		
<i>Bidens beckii</i>	Beck Water-marigold	G4	S2	SENSITIVE	SENSITIVE	
Bird rookery	Bird Rookery	Z	SNR			
<i>Boisduvalia densiflora</i>	Dense Spike-primrose	G5	SH			
<i>Botrychium ascendens</i>	Upward-lobed Moonwort	G2G3	S1	SENSITIVE	SENSITIVE	
<i>Botrychium campestre</i>	Prairie Dunewort	G3	S1			
<i>Botrychium crenulatum</i>	Wavy Moonwort	G3	S2	SENSITIVE	SENSITIVE	
<i>Botrychium hesperium</i>	Western Moonwort	G3	S2	SENSITIVE	SENSITIVE	
<i>Botrychium lineare</i>	Linearleaf Moonwort	G1	S1	C		
<i>Botrychium montanum</i>	Mountain Moonwort	G3	S3	SENSITIVE	SENSITIVE	
<i>Botrychium pallidum</i>	Pale Moonwort	G2G3	S1			
<i>Botrychium paradoxum</i>	Peculiar Moonwort	G2	S2	SENSITIVE	SENSITIVE	
<i>Botrychium pedunculatum</i>	Stalked Moonwort	G2G3	S2	SENSITIVE	SENSITIVE	
<i>Botrychium spathulatum</i>	Spoon-leaf Moonwort	G3	S1			
<i>Brachythecium reflexum</i>		G4G5	S1			
<i>Brasenia schreberi</i>	Watershield	G5	S2	SENSITIVE	SENSITIVE	
<i>Bryum calobryoides</i>		G3	SH			
<i>Bryum schleicheri</i>		G5?	S1			
<i>Caenis youngi</i>	A Mayfly	G4	S2			
<i>Calliergon richardsonii</i>		G4	S1			
<i>Calliergon trifarium</i>		G4	S1			
<i>Calliergonella cuspidata</i>		G5	S1			
<i>Canis lupus</i>	Gray Wolf	G4	S3	PS:LE,LT,XN	ENDANGERED	SPECIAL STATUS
<i>Cardamine oligosperma</i> var.	Few-seeded Bittercress	G5TNR	S1			
<i>Carex chordorrhiza</i>	Creeping Sedge	G5	S2	SENSITIVE	SENSITIVE	
<i>Carex comosa</i>	Bristly Sedge	G5	S1			
<i>Carex incurviformis</i> var.	Maritime Sedge	G4G5T4T5	S1			
<i>Carex lenticularis</i> var. <i>dolia</i>	Goose-grass Sedge	G5T3Q	S2			
<i>Carex livida</i>	Pale Sedge	G5	S3	SENSITIVE	SENSITIVE	
<i>Carex prairea</i>	Prairie Sedge	G5?	S2	SENSITIVE	SENSITIVE	
<i>Carex rostrata</i>	Beaked Sedge	G5	S1	SENSITIVE	SENSITIVE	
<i>Carex stenoptila</i>	Small-winged Sedge	G2	S2			

<i>Carex sychnocephala</i>	Many-headed Sedge	G4	S1			
<i>Carex tenuiflora</i>	Thin-flowered Sedge	G5	S1			
<i>Carex tinctoria</i>	Slender Sedge	G4G5	SU			
<i>Castilleja cervina</i>	Deer Indian Paintbrush	G4	S1			
<i>Centunculus minimus</i>	Chaffweed	G5	S2	WATCH		
<i>Cetraria subalpina</i>		G3?	S2	SENSITIVE	SENSITIVE	
<i>Chlidonias niger</i>	Black Tern	G4	S3B	SPECIAL STATUS		
<i>Cirsium brevistylum</i>	Short-styled Thistle	G4	S2			
<i>Coenagrion interrogatum</i>	Subarctic Bluet	G5	S1S2			
<i>Collema curtisporum</i>		G1G2	S1	SENSITIVE		
<i>Collomia tinctoria</i>	Yellow-staining Collomia	G5	S1			
<i>Contopus cooperi</i>	Olive-sided Flycatcher	G4	S3B			
<i>Corydalis sempervirens</i>	Pale Corydalis	G4G5	S1			
<i>Corynorhinus townsendii</i>	Townsend's Big-eared Bat	G4	S2S3	PS	SPECIAL STATUS	
<i>Cottus confusus</i>	Shorthead Sculpin	G5	SU			
<i>Cyperus acuminatus</i>	Short-pointed Flatsedge	G5	S1	WATCH		
<i>Cyperus erythrorhizos</i>	Red-root Flatsedge	G5	SH			
<i>Cypripedium fasciculatum</i>	Clustered Lady's-slipper	G4	S2	SENSITIVE	SENSITIVE	
<i>Cypripedium parviflorum</i>	Small Yellow Lady's-slipper	G5	S3	SENSITIVE	WATCH	
<i>Cypripedium passerinum</i>	Sparrow's-egg Lady's-slipper	G4G5	S2	SENSITIVE	SENSITIVE	
<i>Cypseloides niger</i>	Black Swift	G4	S3B			
<i>Cystopteris montana</i>	Mountain Bladder Fern	G5	SH			
<i>Dichanthelium oligosanthes</i> var.	Scribner's Panic Grass	G5T5	S1	WATCH		
<i>Dicranella heteromalla</i>		G5?	S1			
<i>Dicranum fragilifolium</i>		G4G5	S1			
<i>Discus brunsoni</i>	Mission Range Disc	G1	S1			
<i>Ditrichum ambiguum</i>		G4?	SH			
<i>Draba densifolia</i>	Dense-leaf Draba	G5	S2			
<i>Draba macounii</i>	Macoun's Draba	G3G4	S1			
<i>Drosera anglica</i>	English Sundew	G5	S2	SENSITIVE	SENSITIVE	
<i>Drosera linearis</i>	Linear-leaved Sundew	G4	S1	SENSITIVE	SENSITIVE	
<i>Dryopteris cristata</i>	Buckler Fern	G5	S2	SENSITIVE	SENSITIVE	
<i>Elatine californica</i>	California Waterwort	G5	SU			
<i>Eleocharis rostellata</i>	Beaked Spikerush	G5	S2	SENSITIVE	WATCH	
<i>Enallagma optimolocus</i>	Last Best Place Damselfly	G1G3Q	S1S3			
<i>Epipactis gigantea</i>	Giant Helleborine	G3G4	S2	SENSITIVE	WATCH	
<i>Erigeron eatonii</i> ssp. <i>eatonii</i>	Eaton's Daisy	G5T5	S1			
<i>Erigeron lackschewitzii</i>	Lackschewitz' Fleabane	G3	S3	SENSITIVE	SENSITIVE	
<i>Eriophorum gracile</i>	Slender Cottongrass	G5	S2	SENSITIVE	SENSITIVE	
<i>Euphrasia arctica</i> var. <i>disjuncta</i>	Disjunct Eyebright	G5	S1			
<i>Eurhynchium pulchellum</i> var.		G5TNR	S1			
<i>Falco peregrinus</i>	Peregrine Falcon	G4	S2B	PS:LE	Endangered	SPECIAL STATUS
<i>Felis lynx</i>	Lynx	G5	S3	PS:LT		
<i>Festuca vivipara</i>	Viviparous Fescue	G4G5Q	S2			
<i>Gavia immer</i>	Common Loon	G5	S2B	SENSITIVE	SPECIAL STATUS	
<i>Gentiana glauca</i>	Glaucous Gentian	G4G5	S1			
<i>Goodyera repens</i>	Northern Rattlesnake-plantain	G5	S3	SENSITIVE	SENSITIVE	
<i>Gratiola ebracteata</i>	Bractless Hedge-hyssop	G4	S1			
<i>Grimmia brittoniae</i>		G1	S2	SENSITIVE	SENSITIVE	
<i>Grimmia mollis</i>		G3G5	S1			

<i>Grindelia howellii</i>	Howell's Gum-weed	G3	S2S3	SENSITIVE	SENSITIVE
<i>Gulo gulo luscus</i>	North American Wolverine	G4T4	S3	SENSITIVE	SPECIAL STATUS
<i>Haliaeetus leucocephalus</i>	Bald Eagle	G4	S3B,S3N	PS:LT,PDL	THREATENED SPECIAL STATUS
<i>Heteranthera dubia</i>	Water Star-grass	G5	S1	SENSITIVE	SENSITIVE
<i>Histrionicus histrionicus</i>	Harlequin Duck	G4	S2B	SENSITIVE	SPECIAL STATUS
<i>Howellia aquatilis</i>	Water Howellia	G2	S2	LT	THREATENED THREATENED
<i>Juncus albescens</i>	Three-flowered Rush	G5	S2		
<i>Kalmia polifolia</i>	Pale Laurel	G5	S1		
<i>Kiaeria blyttii</i>		G5	S1		
<i>Kiaeria starkei</i>		G5	S1		
<i>Kobresia simpliciuscula</i>	Simple Kobresia	G5	S2		
<i>Lagophylla ramosissima</i>	Slender Hareleaf	G5	S1		
<i>Lathyrus bijugatus</i>	Latah Tule Pea	G4	S1	SENSITIVE	SENSITIVE
<i>Lednia tumana</i>	Meltwater Lednian Stonefly	G1	S1		
<i>Lilaea scilloides</i>	Flowering Quillwort	G5?	S1		
<i>Liparis loeselii</i>	Loesel's Twayblade	G5	S1	SENSITIVE	SENSITIVE
<i>Lycopodium dendroideum</i>	Treelike Clubmoss	G5	S1	SENSITIVE	SENSITIVE
<i>Lycopodium inundatum</i>	Northern Bog Clubmoss	G5	S1	SENSITIVE	SENSITIVE
<i>Lycopodium lagopus</i>	Running Pine	GNR	S1		
<i>Lycopodium sitchense</i>	Alaskan Clubmoss	G5	S3		
<i>Magnipelta mycophaga</i>	Spotted Slug	G2G3	S1S3		
<i>Meesia triquetra</i>		G5	G5	Y:	SENSITIVE SENSITIVE
<i>Meesia uliginosa</i>		G4	G4	Y:	
<i>Mimulus breviflorus</i>	Short-flowered Monkeyflower	G4	S1		
<i>Mimulus patulus</i>	Stalk-leaved Monkeyflower	G2Q	S1	SENSITIVE	SENSITIVE
<i>Myurella tenerrima</i>		G3G4	S1		
<i>Najas guadalupensis</i>	Guadalupe Water-nymph	G5	S1	WATCH	
<i>Neckera douglasii</i>		G4	S1		
<i>Nymphaea tetragona</i> ssp. <i>leibergii</i>	Pygmy Water-lily	G5	S1		
<i>Oncorhynchus clarki lewisi</i>	Westslope Cutthroat Trout	G4T3	S2	SPECIAL STATUS	
<i>Ophioglossum pusillum</i>	Adder's Tongue	G5	S2	SENSITIVE	SENSITIVE
<i>Oreohelix alpina</i>	Alpine Mountainsnail	G1	S1		
<i>Oreohelix elrodi</i>	Carinate Mountainsnail	G1	S1		
<i>Otus flammeolus</i>	Flammulated Owl	G4	S3B	SENSITIVE	SPECIAL STATUS
<i>Oxytropis campestris</i> var.	Columbia Crazyweed	G5T3	S1	SENSITIVE	SENSITIVE
<i>Oxytropis podocarpa</i>	Stalked-pod Crazyweed	G4	S1	SENSITIVE	SENSITIVE
<i>Paludella squarrosa</i>		G3G5	S1		
<i>Papaver pygmaeum</i>	Alpine Glacier Poppy	G3	S3		
<i>Paraleucobryum enerve</i>		G5?	S1		
<i>Paraleucobryum longifolium</i>		G5	S1		
Peatland	Peatland	Z	SNR		
<i>Petasites frigidus</i> var. <i>frigidus</i>	Palmate-leaved Coltsfoot	G5T5	S1	SENSITIVE	SENSITIVE
<i>Physa megalochlamys</i>	Large-mantle Physa	G3	S1		
<i>Picoides arcticus</i>	Black-backed Woodpecker	G5	S3	SENSITIVE	SPECIAL STATUS
<i>Poa laxa</i> ssp. <i>banffiana</i>	Banff Loose-flowered Bluegrass	G5?T1	S1		
<i>Polygonum douglasii</i> ssp. <i>austinae</i>	Austin's Knotweed	G5T4	S2S3	SENSITIVE	SENSITIVE
<i>Polystichum kruckebergii</i>	Kruckeberg's Sword-fern	G4	S1		
<i>Potamogeton obtusifolius</i>	Blunt-leaved Pondweed	G5	S2	SENSITIVE	SENSITIVE
<i>Potentilla quinquefolia</i>	Five-leaf Cinquefoil	G5T4	S2	SENSITIVE	SENSITIVE
<i>Potentilla uniflora</i>	One-flowered Cinquefoil	G5	S1		

<i>Pseudocalliergon turgescens</i>		G3G5	S1			
<i>Psilocarphus brevissimus</i> var.	Dwarf Woolly-heads	G4TNR	S2	SENSITIVE	WATCH	
<i>Ranunculus verecundus</i>	Timberline Buttercup	G5	S2			
<i>Rhyacophila ebria</i>	A Caddisfly	G1?	S1?			
<i>Rhyacophila glacieri</i>	A Rhyacophilan Caddisfly	G1	S1			
<i>Rotala ramosior</i>	Toothcup	G5	S1			
<i>Sagina nivalis</i>	Arctic Pearlwort	G5	S1			
<i>Salix barrattiana</i>	Barratt's Willow	G5	S1	SENSITIVE	SENSITIVE	
<i>Salvelinus confluentus</i> pop. 2	Bull Trout - Columbia River	G3T2Q	SNR	LT		
<i>Saussurea densa</i>	Dwarf Saw-wort	G3G4	S2			
<i>Scheuchzeria palustris</i>	Pod Grass	G5	S2	SENSITIVE	SENSITIVE	
<i>Scirpus cespitosus</i>	Tufted Club-rush	G5	S2	SENSITIVE	SENSITIVE	
<i>Scirpus hudsonianus</i>	Hudson's Bay Bulrush	G5	S1			
<i>Scirpus subterminalis</i>	Water Bulrush	G4G5	S2	SENSITIVE	SENSITIVE	
<i>Scorpidium scorpioides</i>		G4G5	S2	SENSITIVE	SENSITIVE	
<i>Senecio pauciflorus</i>	Few-flowered Butterweed	G4G5	S1			
<i>Sidalcea oregana</i>	Oregon Checker-mallow	G5	S1	PS		
<i>Silene spaldingii</i>	Spalding's Campion	G2	S1	LT		
<i>Somatochlora walshii</i>	Brush-tipped Emerald	G5	S1S2			
<i>Sphagnum centrale</i>		G5	S1			
<i>Sphagnum contortum</i>		G5	S1			
<i>Sphagnum magellanicum</i>		G5	S1			
<i>Sphagnum wulfianum</i>		G5	S1			
<i>Sporobolus neglectus</i>	Small Dropseed	G5	S1	WATCH		
<i>Stagnicola elrodi</i>	Flathead Pondsnaill	G1	S1			
<i>Stagnicola elrodiana</i>	Largemouth Pondsnaill	G1	S1			
State champion tree	State Champion Tree	Z	SNR			
<i>Sterna caspia</i>	Caspian Tern	G5	S2B			
<i>Sterna forsteri</i>	Forster's Tern	G5	S2B			
<i>Strix nebulosa</i>	Great Gray Owl	G5	S3	SPECIAL STATUS		
<i>Synaptomys borealis</i>	Northern Bog Lemming	G4	S2	SENSITIVE	SPECIAL STATUS	
<i>Tayloria lingulata</i>		G3G5	S1			
<i>Thelypteris phegopteris</i>	Northern Beechfern	G5	S2			
<i>Thymallus arcticus montanus</i>	Montana Arctic Grayling	G5T1Q	S1	C	SPECIAL STATUS	
<i>Tofieldia pusilla</i>	Small Tofieldia	G5	S2			
<i>Tortula norvegica</i>		G5	S1			
<i>Tortula papillosa</i>		G5	S1			
<i>Ursus arctos horribilis</i>	Grizzly Bear	G4T3T4	S3	PS:LT,XN	THREATENED	SPECIAL STATUS
<i>Utricularia intermedia</i>	Flat-leaved Bladderwort	G5	S1	SENSITIVE	SENSITIVE	
<i>Vaccinium myrtilloides</i>	Velvetleaf Blueberry	G5	S1			
<i>Wolffia columbiana</i>	Columbia Water-meal	G5	S2	WATCH		
<i>Zacoleus idahoensis</i>	Sheathed Slug	G3G4	S2S3			
<i>Zapada cordillera</i>	A Stonefly	G3	S2			
<i>Zapada glacier</i>	Western Glacier Stonefly	G2	S1			

**Global/State**      **Definition (GRank = Range-wide; SRank= Montana)**

G1 / S1              Critically imperiled because of extreme rarity or because of some factor(s) of its biology

G2 / S2	making it especially vulnerable to extinction. Imperiled because of rarity or because of other factor(s) demonstrably making it very vulnerable to extinction throughout its range.
G3 / S3	Either very rare and local throughout its range, or found locally (even abundantly at some of its locations) in a restricted range, or vulnerable to extinction throughout its range because of other factor(s).
G4 / S4	Apparently secure, though it may be quite rare in parts of its range, especially at the periphery.
G5 / S5	Demonstrably secure, though it may be quite rare in parts of its range, especially at the periphery.
GU / SU	Possibly in peril, but status uncertain; more information needed.
GH / SH	Historically known; may be rediscovered.
GX / SX	Believed to be extinct; historical records only.

**Other codes:**

B	A state rank modifier indicating breeding status for a migratory species. Example: S1B, S2N -- breeding occurrences for the species are ranked S1 (critically imperiled) in the state, nonbreeding occurrences are ranked S2 in the state.
F	A state rank modifier indicating a false report of a species.
HYB	A hybrid of species.
M	A state rank modifier indicating migratory stopover status for a species. Example: S1M --migratory stopover sites are ranked S1 (critically imperiled) in the state.
N	A state rank modifier indicating non-breeding/wintering status for a species. Example: S1B,S1N -- breeding occurrences for the species are ranked S1 (critically imperiled) in the state, nonbreeding occurrences are also ranked S1 in the state.
Q	Taxonomic questions or problems involved, more information needed; appended to the global rank.
R	Reported in the state, but lacking documentation that would provide a basis for either accepting or rejecting the report.
T	Rank for a subspecific taxon (subspecies, variety, or population); appended to the global rank for the full species.
#	A modifier to SX or SH; the species has been reintroduced but the population is not yet established.
?	Inexact or uncertain: for numeric ranks, denotes inexactness.
*	A species on the margin of their range or an isolated population in Montana

**Fish and Wildlife Service**

The symbols in this column denote the categories defined by the U.S. Fish and Wildlife Service and indicate the status of a taxon under the federal Endangered Species Act of 1973 (16 U.S.C.A. §1531-1543 (Supp. 1996)).

Categories are listed below:

- E listed endangered.
- T listed threatened
- PE proposed endangered
- PT proposed threatened
- C candidate (those species for which the U.S. Fish and Wildlife Service has sufficient information on biological status and threats to propose to list them as threatened or endangered).

### **Forest Service**

The status of species in Montana as defined by the U.S. Forest Service manual (2670.22). These species are listed by the Regional Forester (Northern Region) on National Forests in Montana.

- S Sensitive; animal species identified by the Regional Forester for which population viability is a concern as evidenced by significant downward trend in population or a significant downward trend in habitat capacity.

### **Bureau of Land Management Status**

The status of species on Bureau of Land Management land is defined by the BLM 6840 manual and designated by the Montana State Office of the BLM in 1996:

- S Special Status animals and Sensitive plant species: proven to be imperiled in at least part of its range and documented to occur on BLM lands.
- W watch species: either known to be imperiled and suspected to occur on BLM lands, suspected to be imperiled and documented on BLM lands, or needing further study for other reasons.