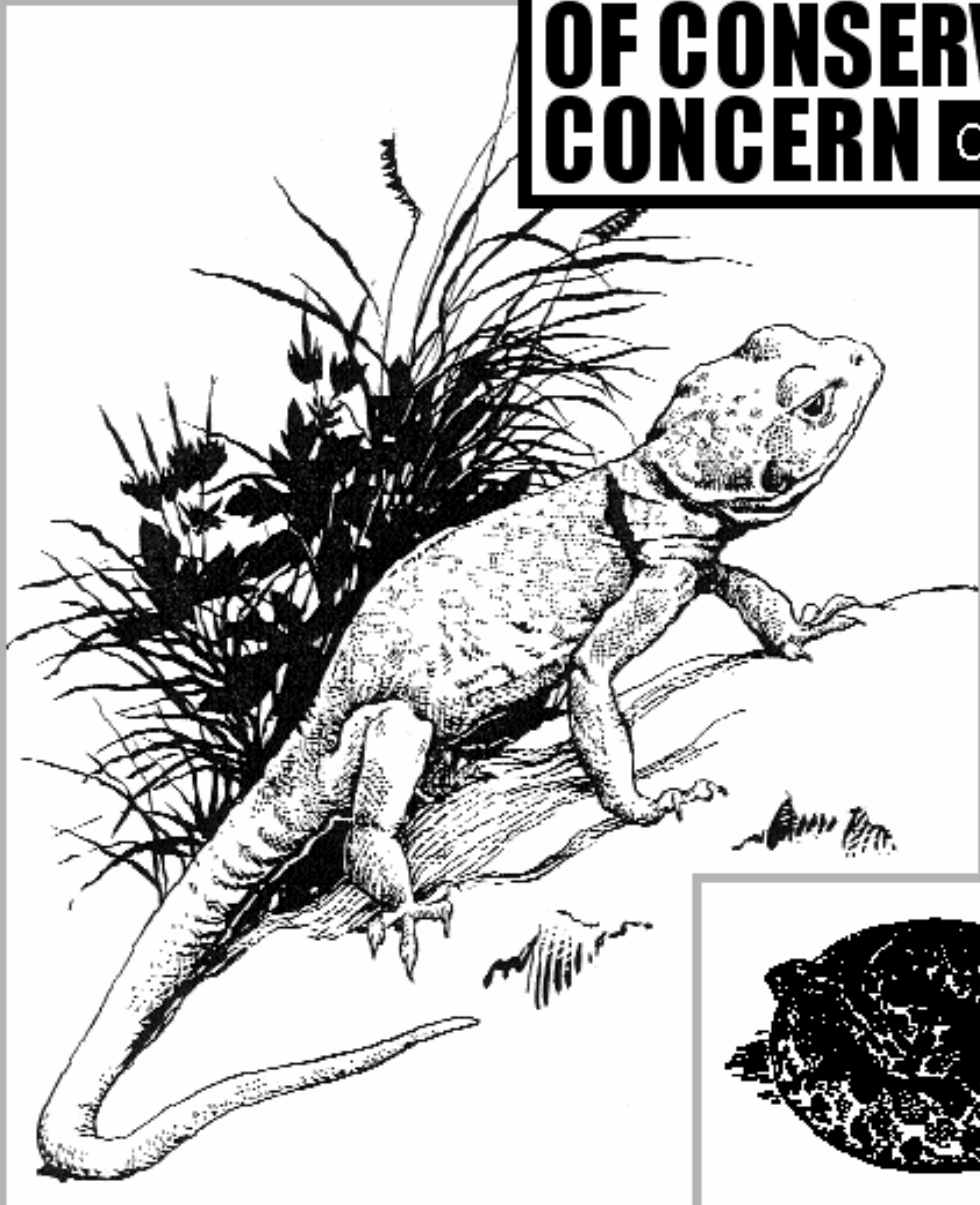




MISSOURI DEPARTMENT OF
CONSERVATION

**MISSOURI SPECIES
AND COMMUNITIES
OF CONSERVATION
CONCERN CHECKLIST**



**JANUARY
2003**



* Terrestrial Natural Communities. Does not include aquatic, geologic or cave communities.

Cover illustrations (top to bottom):

Alligator Snapping Turtle (*Macrochelys temminckii*) by Tom R. Johnson

Eastern Collared Lizard (*Crotaphytus collaris collaris*) by Charles W. Schwartz

Eastern Massasauga Rattlesnake (*Sistrurus catenatus catenatus*) by Al Agnew

Cover Design by Patrick Kipp

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ACKNOWLEDGMENTS

The following individuals contributed to the development of this document: Bruce Allen (Missouri Botanical Garden), Mike Arduser (Missouri Department of Conservation-MDC), Chris Barnhart (Southwest Missouri State University), Jeff Briggler (MDC), Dorothy Butler (MDC), Sue Bruenderman (MDC), Rick Clawson (MDC), Tom Dailey (MDC), Bob DiStefano (MDC), Bill Elliott (MDC), Dennis Figg (MDC), Jane Fitzgerald (Partners In Flight), Dave Hamilton (MDC), Peggy Horner (MDC), Bob Hrabik (MDC), Brad Jacobs (MDC), Tom Johnson (MDC), Harold Kerns (MDC), Karen Kramer (MDC), Doug Ladd (The Nature Conservancy), Paul McKenzie (U.S. Fish and Wildlife Service), Travis Moore (MDC), Greg Pedano (Missouri Botanical Garden), William Pflieger, Barry Poulton (U.S. Geological Survey), Andy Roberts (U.S. Fish and Wildlife Service-USFWS), Amy Salveter (USFWS), Randy Sarver (Department of Natural Resources), Tim Smith (MDC), Janet Sternburg (MDC), James Trager (Missouri Botanical Garden, Shaw Nature Reserve), Linden Trial (MDC), Jim D. Wilson (MDC), Matthew Winston (MDC), George Yatskiyevych (MDC).

The Global and State Ranking System methodology was developed and provided by The Nature Conservancy, Conservation Science Division, in association with the Network of Natural Heritage Programs and Conservation Data Centers. October, 1992. Biological and Conservation Data Systems (Supplement number 2+, released March, 1994) Arlington, Virginia.

An appropriate citation for this edition of the *Checklist* is:

Missouri Natural Heritage Program. 2003. Missouri species and communities of conservation concern checklist. Missouri Department of Conservation. Jefferson City, Missouri. xv + 29 pp.

This checklist is updated annually. The most current version is always available by contacting the Missouri Department of Conservation, Science Division. Checklist information is also available on the Missouri Department of Conservation's website: www.missouriconservation.org/nathis/endangered/index.htm

INTRODUCTION

The Department of Conservation is charged with the protection and management of Missouri's fish, forest, and wildlife resources. In the brief time since the settlement of Missouri, many plants and animals have declined to levels of concern and some have disappeared entirely. The species cataloged in this checklist represent 18 percent of the native vascular plants, 14 percent of the nonvascular plants and 28 percent of the vertebrate animals in Missouri. Together, the animals, plants, and natural communities represent Missouri's biological diversity—a heritage worth protecting.

The Department maintains two references relating to the status of listed plants and animals in Missouri; the *Missouri Species of Conservation Concern Checklist* and the *Wildlife Code of Missouri*. **The Missouri Species of Conservation Concern Checklist possesses no legal authority and is utilized for planning and communication purposes.** All species in the State of Missouri are protected as biological diversity elements unless a method of legal harvest is described in the *Wildlife Code*. Species listed in the *Wildlife Code* under [3CSR10-4.111](#) are protected by [State Endangered Species Law 252.240](#). Some of the plants and animals in the checklist also appear in the *Wildlife Code* and are afforded special legal protection. All federally endangered and threatened plants and animals are protected by the Endangered Species Act of 1973 (ESA) and by Missouri State Endangered Species Law.

How to use the checklist

The checklist, developed with the cooperation of specialists throughout the state, is a list of plants, animals, and natural communities the Department of Conservation is particularly concerned about due to population declines or apparent vulnerability. The state rank (SRANK) shows the level of concern for each species' continued existence in Missouri. For each Element (i.e., species, subspecies or variety, or natural community type), at least 6 basic factors are considered when assigning an SRANK:

- the estimated number of Element Occurrences (EOs) throughout the Element's state range
- the estimated state abundance of the Element (measured by population, area, or stream length)
- the estimated size of the Element's state range
- the trend in the Element's distribution over its state range
- the estimated number of adequately protected EOs throughout the Element's state range
- the degree to which the Element is threatened in the state

The checklist also indicates, for each lichen, plant, and animal Element in the heritage inventory, information on the Element's global rank (i.e., its relative rarity or endangerment in the world). This is useful for understanding the relative rarity or endangerment of an Element from a global perspective (beyond state, national, or regional boundaries). Global ranks (i.e., GRANKS), are completed by the Heritage/Conservation Data Center (CDC) personnel and/or NatureServe. For each Element, the same six factors listed above for SRANKS are considered when assigning GRANKS, but in a global context. Additionally, the fragility or susceptibility of the Element to intrusion or disturbance is considered when assigning a global rank.

The checklist is arranged by broad taxonomic groups (e.g., terrestrial natural communities, flowering plants, insects, fish, mammals). Within each group, species are arranged alphabetically by their scientific names and terrestrial natural communities by community type. Each Element is identified by its scientific name, common name, federal status, state status, global rank, and state rank.

TERMS AND DEFINITIONS

Federal Status

The federal status is derived from the provisions of the Endangered Species Act of 1973, as amended, which is administered by the U.S. Fish and Wildlife Service. Passage of the Endangered Species Act of 1973 gave the United States one of the most far-reaching laws ever enacted by any country to prevent the extinction of imperiled animals and plants. Protecting endangered and threatened species and restoring them to the point where their existence is no longer jeopardized is the primary objective of the Fish and Wildlife Service's Endangered Species Program.

E = ENDANGERED

Any species which is in danger of extinction throughout all or a significant portion of its range.

T = THREATENED

Any species which is likely to become endangered within the foreseeable future.

C = CANDIDATE

Plants or animals which the Service is reviewing for possible addition to the list of endangered and threatened species.

PE = PROPOSED ENDANGERED

PT = PROPOSED THREATENED

Species officially proposed for listing as endangered or threatened. Final ruling not yet made.

State Status

Rule 3CSR10-4.111 of the *Wildlife Code of Missouri* and certain state statutes apply to state *Code* listed species. The state status "endangered" is determined by the Department of Conservation under constitutional authority.

Global Rank

A numeric rank (G1 through G5) of relative endangerment based primarily on the number of occurrences of the element (i.e., species, subspecies, or variety) globally. Other factors in addition to the number of occurrences are considered when assigning a rank, so the numbers of occurrences suggested for each numeric rank below are not absolute guidelines.

G1 = Critically imperiled globally because of extreme rarity or because of some factor(s) making it especially vulnerable to extinction. (typically 5 or fewer occurrences or very few remaining individuals or acres)

G2 = Imperiled globally because of rarity or because of some factor(s) making it very vulnerable to extinction throughout its range. (6 to 20 occurrences or few remaining individuals or acres)

G3 = Either very rare and local throughout its range or found locally (even abundantly at some of its locations) in a restricted range (e.g., a single western state, a physiographic region in the East) or because of other factors making it vulnerable to extinction throughout its range. (21 to 100 occurrences)

G4 = Widespread, abundant, and apparently secure globally, though it may be quite rare in parts of its range, especially at the periphery. Thus, the element is of long-term concern. (usually more than 100 occurrences)

- G5** = Demonstrably widespread, abundant, and secure globally, though it may be quite rare in parts of its range, especially at the periphery.
- G#G#**= Numeric range rank: A range between two of the numeric ranks. Denotes range of uncertainty about the exact rarity of the element.
- G?** = Unranked: element is not yet ranked globally.
- GU** = Unrankable: Possibly in peril range-wide but status uncertain; need more information.
- GH** = Historical: Of historical occurrence throughout its range, i.e., formerly part of the established biota, with the expectation that it may be rediscovered (e.g., Bachman's warbler).
- GX** = Extinct: Believed to be extinct throughout range (e.g., passenger pigeon) with virtually no likelihood that it will be rediscovered.
- Subrank:
- T** = Taxonomic subdivision: rank applies to a subspecies or variety.
- Qualifiers:
- ?** = Inexact: denotes inexact numeric rank.
- Q** = Questionable taxonomy: taxonomic status is questionable; numeric rank may change with taxonomy.

State Rank

A numeric rank (S1 through S5) of relative endangerment based primarily on the number of occurrences of the element (i.e., species, subspecies, or variety) within the state. Other factors considered when assigning a rank include: abundance, population trends, distribution, number of protected sites, degree of threat, suitable habitat trends, level of survey effort and life history. Thus, the number of occurrences suggested for each numeric rank below are not absolute guidelines. Missouri species of conservation concern typically do not fall within the range of S4-S5.

- S1** = Critically imperiled in the state because of extreme rarity or because of some factor(s) making it especially vulnerable to extirpation from the state. (typically 5 or fewer occurrences or very few remaining individuals or acres)
- S2** = Imperiled in the state because of rarity or because of some factor(s) making it very vulnerable to extirpation from the state. (6 to 20 occurrences or few remaining individuals or acres)
- S3** = Rare and uncommon in the state. (21 to 100 occurrences)
- S4** = Widespread, abundant, and apparently secure in state, with many occurrences, but the species is of long-term concern. (usually more than 100 occurrences)
- S5** = Demonstrably widespread, abundant, and secure in the state, and essentially ineradicable under present conditions.
- S#S#**= Numeric range rank: A range between two of the ranks. Denotes range of uncertainty about the exact rarity of the element.
- S?** = Unranked: Species is not yet ranked in the state.
- SU** = Unrankable: Possibly in peril in the state, but status uncertain; need more information.
- SE** = Exotic: An exotic established in the state; may be native in nearby regions (e.g., house finch or catalpa in eastern U.S.)
- SA** = Accidental: Accidental or casual in the state (i.e., infrequent and far outside usual range).
- SP** = Potential: Potential that element occurs in the state but no occurrences reported.
- SR** = Reported: Element reported in the state but without persuasive documentation which would provide a basis for either accepting or rejecting (e.g., misidentified specimen) the report.

SRF = Reported falsely: Element erroneously reported in the state and the error has persisted in the literature.

SH = Historical: Element occurred historically in the state (with expectation that it may be rediscovered). Perhaps having not been verified in the past 20 years, and suspected to be still extant.

SX = Extirpated: Element is believed to be extirpated from the state.

Qualifiers:

? = Inexact or uncertain: for numeric ranks, denotes inexactness; for SE denotes uncertainty of exotic status. (The ? qualifies the character immediately preceding it in the SRANK.)

CHANGES TO THE 2003 SPECIES CHECKLIST

STATUS CHANGES:

Plants

Carex aquatilis var. *aquatilis* (water sedge) from S1 to SRF reflecting the accepted taxonomy in Vol. 1 of the revised Steiermark's Flora of Missouri by Yatskievych (1999).

Tridens flavus var. *chapmanii* (a grass) from SH to S2 based on several extant specimen-based records recently confirmed.

Vitis rotundifolia (muscadine) from SH to S1 based on the confirmed identification of a 1993 specimen collected in Dunklin County.

Mollusks

Antrobia culveri (Tumbling Creek cavesnail) from federal candidate to state and federal endangered. This species is known from one cave in Taney County and the population has drastically declined in the past 3 years.

Lampsilis rafinesqueana (Neosho mucket) as a federal candidate species due to its decline throughout its range.

Leptodea leptodon (scaleshell mussel) from PE to state and federal endangered.

Fish

Lepisosteus spatula (alligator gar) from SX to SU based on a specimen caught by a fisherman.

Macrhybopsis gelida (sturgeon chub) was removed as a federal candidate species due to information indicating this species is more abundant than previously thought.

Macrhybopsis meeki (sicklefin chub) was removed as a federal candidate species due to information indicating this species is more abundant than previously thought.

Amphibians

Cryptobranchus alleganiensis alleganiensis (eastern hellbender) to proposed state endangered due to recent information documenting drastic declines throughout its range.

Cryptobranchus alleganiensis bishopi (Ozark hellbender) to a federal candidate species and proposed state endangered due to recent information documenting drastic declines throughout its range.

Birds

Pandion haliaetus (osprey) from SX to S3 since nesting has been confirmed in Missouri.

Mammals

Sylvilagus aquaticus (swamp rabbit) from S2? to S2. Surveys conducted in 2001 and early winter 2002 removed uncertainty of the swamp rabbit's S2 (imperiled) status.

ADDITIONS:

Plants

Calamagrostis stricta ssp. *inexpansa* as S2S3. This addition is based on rarity information found in Vol. 1 of the revised Steiermark's Flora of Missouri by Yatskievych (1999).

Calopogon tuberosus (grass pink orchid) as S2. This addition is based on rarity information found in Vol. 1 of the revised Steiermark's Flora of Missouri by Yatskievych (1999).

Campylium protensum (a moss) as SU. This species was recently discovered in Iron County which is the first report of its occurrence in Missouri.

Carex aquatilis var. *substricta* (a sedge) as S1. This addition reflects the accepted taxonomy in Vol. 1 of the revised Steiermark's Flora of Missouri by Yatskievych (1999).

Carex tenera var. *echinodes* (a sedge) as SH. An historical specimen collected in Jackson County was recently confirmed.

Carex timida (timid sedge) as S1S2. This taxon was recently described as new to science and a 1938 Steiermark collection was annotated to the species. The plant was relocated in 2002 at the same Taney County location.

Festuca sororia (a fescue) as SH. This addition is based on rarity information found in Vol. 1 of the revised Steiermark's Flora of Missouri by Yatskievych (1999).

Lemna obscura (a duckweed) as SU. This addition is based on rarity information found in Vol. 1 of the revised Steiermark's Flora of Missouri by Yatskievych (1999).

Lemna turionifera (a duckweed) as SH. This addition is based on rarity information found in Vol. 1 of the revised Steiermark's Flora of Missouri by Yatskievych (1999).

Nyssa biflora (swamp black gum) as SH. A specimen collected in 1892 from Dunklin County was recently confirmed.

Panicum dichotomum var. *mattamuskeetense* (a panic grass) as SH. This addition is based on rarity information found in Vol. 1 of the revised Steiermark's Flora of Missouri by Yatskievych (1999).

Panicum dichotomum var. *nitidum* (a panic grass) as S1. This addition is based on rarity information found in Vol. 1 of the revised Steiermark's Flora of Missouri by Yatskievych (1999).

Panicum sabulorum (hemlock witchgrass) as SRF. This addition reflects the accepted taxonomy found in Vol. 1 of the revised Steiermark's Flora of Missouri by Yatskievych (1999).

Salix eriocephala var. *famelica* (diamond willow) as SU. This willow was recently discovered to occur in Missouri during a review of specimens for the Flora of North America project. It is known now from one site in Adair County.

Schoenoplectus californicus (giant bulrush) as S1. Two populations were recently discovered in Missouri.

Smilax illinoensis (carrion flower) as S2S3. This addition is based on rarity information found in Vol. 1 of the revised Steiermark's Flora of Missouri by Yatskievych (1999).

Solidago riddellii (Riddell's goldenrod) as S2. This addition is based on the small number of known extant sites and its apparent restriction to fens.

Mollusks

Gastrocopta rogersensis (a snaggletooth snail) as SU/G2. This species was recently described and is restricted to high quality xeric or dry-mesic limestone/dolomite wooded cliffs. Currently, only one known population occurs in Missouri (Taney County). Several other populations occur in Arkansas, Illinois, Iowa and Wisconsin.

Fish

Cottus sp. (grotto sculpin) as S2 and as a federal candidate species. This is a unique population in Perry County that may be declining due to threatened habitat.

Amphibians

Ambystoma tigrinum tigrinum (eastern tiger salamander) as SU. Although thought to occur statewide, this species was added to the list due to our limited knowledge of breeding localities and loss of some known breeding sites.

Bufo cognatus (Great Plains toad) was added as SU due to the limited distribution of this species in the Missouri River floodplain and the lack of records to determine its status.

Necturus maculosus maculosus (common mudpuppy) as SU because of the limited knowledge of its status, distribution, and apparent decline of many other river and stream species occurring in the same habitat.

Necturus maculosus louisianensis (Red River mudpuppy) was added as SU for the same reasons as *N. m. maculosus*.

Typhlotriton spelaeus (grotto salamander) has been added back to the 2003 Checklist as S2S3 (change from S3) due to population declines identified in several caves.

Mammals

Spermophilus franklinii (Franklin's ground squirrel) as S2S3 due to limited knowledge of its status and distribution, loss of habitat in MO, and documented declines in states within its range.

NOTE: A number of cave invertebrates were added to the 2003 Checklist, but they are not noted in this section.

DELETIONS:

Plants

Carex bicknellii var. *bicknellii* (a Bicknell sedge) changed from an S? to S4 and removed from the Checklist due to taxonomic revision.

Carex bicknellii var. *opaca* (a sedge) changed from S? to S3S4 and removed from the Checklist due to taxonomic revision.

Desmodium humifusum (a tick trefoil) removed from Checklist because it is now considered a hybrid

Eleocharis parvula var. *anachaeta* (small spike rush) removed from Checklist based on taxonomic decision found in Vol. 1 of the revised Steyermark's Flora of Missouri by Yatskievych (1999).

Fontinalis sphagnifolia (an aquatic moss) changed from S1 to S4S5 and removed from Checklist due to the discovery of several new records of this species over the last year. It is more common than previously thought.

Malaxis unifolia (green adder's mouth) removed from Checklist due to the number of extant sites for the species and new records continually being discovered. It is more abundant than previously thought.

Ophioglossum vulgatum (adder's-tongue) removed from the Checklist because the quantity of new records in the last few years negates the need to track this species. The status will remain S3.

Spiranthes ovalis var. *erostellata* (oval ladies' tresses) from S2 to S3 and removed from the Checklist because we now have over 30 extant sites, many from non-conservative habitats.

TAXONOMIC CHANGES:

Plants

Baeomyces absolutus to *Dibaesis absoluta* (a lichen)

Campyllum stellatum to *C. s.* var. *stellatum* (yellow starry fen moss)

Diarrhena americana var. *americana* to *D. americana* (American beakgrain)

Eleocharis parvula var. *anachaeta* to *E. parvula* (small spike rush)

Parmotrema subsidiosum to *Rimelia subsidiosa* (a lichen)

Quercus prinoides var. *prinoides* to *Q. prinoides* (dwarf chinquapin oak)

Ruppia maritima var. *rostrata* to *R. maritima* (ditch grass)

Wolffia punctata to *Wolffia borealis* (dotted water meal)

Crustaceans

Orconectes sp. 1 was described and named *Orconectes stygocaneyi* (Caney Mountain cave crayfish).

Fish

Etheostoma clarum to *Ammocrypta clara* (western sand darter)

Reptiles

Macrochelys temminckii to *Macrochelys temminckii* (alligator snapping turtle)

Terrestrial Natural Communities of Conservation Concern

In addition to lichens, plants, and animals, the Missouri Natural Heritage Program tracks occurrences of high quality natural communities. Terrestrial natural communities are interrelated assemblages of plants, animals, and other living organisms incorporated into their physical surroundings- including geologic substrate, soils, topography and aspect- that are shaped by climate and other natural processes. High quality sites are ones that provide diverse assemblages of native species and represent the least distressed examples of ecosystems that existed in Missouri prior to European settlement. These natural communities frequently provide the habitat necessary for Missouri's listed lichens, plants, and animals. Because the Missouri Department of Conservation tracks occurrences of high quality natural communities, we encourage the submission of site information on natural communities as we do for species listed in this Checklist.

State ranks are assigned to natural communities using criteria that are similar to species S ranks. (Criteria include total number of occurrences, number of occurrences by grade [A-D], total acres, number of counties in which the community type occurs, number of protected occurrences, and threats.) Global ranks are not yet applied to communities due to the difficulty in reconciling Missouri's classification system with larger scale classifications.

Natural community types have been classified using The Terrestrial Natural Communities of Missouri (Nelson, 1985). This classification system was developed to accomplish an inventory of the state's natural communities, prioritized by quality, size and distribution, to help meet land protection goals. Inventory results suggest that certain changes in the 1985 classification would more accurately reflect the natural community types that occur or that could be restored across the state. Biologists from Missouri Department of Conservation, Missouri Department of Natural Resources, National Park Service Ozark National Scenic Riverways, United States Forest Service Mark Twain National Forest, and The Nature Conservancy are currently completing a revision of the 1985 classification. The following list of Terrestrial Natural Communities of Conservation Concern reflects the types described by the revision that are considered to be the most threatened.

S1, S1S2, S2 and SH Terrestrial Natural Communities by Major Community Type:

Forest	SRANK
Mesic sand forest	S2
Mesic bottomland forest	S2
Woodland	
Wet-mesic bottomland woodland	S1
Upland flatwoods	S2
Bottomland flatwoods	S2
Sinkhole flatwoods	S2
Mesic bottomland woodland	SH

Savanna	SRANK
Dry-mesic loess/glacial till savanna	S1
Sand savanna	S2
Dry-mesic chert savanna	SH
Dry-mesic limestone/dolomite savanna	SH
Dry-mesic sandstone/shale savanna	SH
Mesic loess/glacial till savanna	SH
Prairie	
Mesic loess/glacial till prairie	S1
Sand prairie	S1
Dry loess/glacial till prairie	S2
Dry-mesic loess/glacial till prairie	S2
Dry limestone/dolomite prairie	S2
Dry-mesic limestone/dolomite prairie	S2
Wet-mesic bottomland prairie	S2
Wet bottomland prairie	S2
Glade	
Chert glade	S2
Wetlands	
Saline seep	S1
Glacial fen	S1S2
Pond swamp	S2
Prairie fen	S2

**THREATENED AND ENDANGERED SPECIES IN MISSOURI
AS OF JANUARY, 2003**

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>STATE</u> ¹	<u>FEDERAL</u> ²
<u>PLANTS</u>			
Mead's Milkweed	<i>Asclepias meadii</i>	Endangered	Threatened
Decurrent False Aster	<i>Boltonia decurrens</i>	Endangered	Threatened
Geocarpon	<i>Geocarpon minimum</i>	Endangered	Threatened
Small Whorled Pogonia ³	<i>Isotria medeoloides</i>	Endangered	Threatened
Missouri Bladder-Pod	<i>Lesquerella filiformis</i>	Endangered	Endangered
Pondberry	<i>Lindera melissifolium</i>	Endangered	Endangered
E. Prairie Fringed Orchid ³	<i>Platanthera leucophaea</i>	Endangered	Threatened
W. Prairie Fringed Orchid	<i>Platanthera praeclara</i>	Endangered	Threatened
Running Buffalo Clover	<i>Trifolium stoloniferum</i>	Endangered	Endangered
<u>MOLLUSKS</u>			
Tumbling Creek Cavesnail	<i>Antrobia culveri</i>	Endangered	Endangered
Elephantear	<i>Elliptio crassidens</i>	Endangered	
Curtis Pearlymussel ³	<i>Epioblasma florentina curtisii</i>	Endangered	Endangered
Snuffbox	<i>Epioblasma triquetra</i>	Endangered	
Ebonyshell	<i>Fusconaia ebena</i>	Endangered	
Neosho Mucket	<i>Lampsilis rafinesqueana</i>	Candidate	
Pink Mucket	<i>Lampsilis abrupta</i>	Endangered	Endangered
Higgins Eye ³	<i>Lampsilis higginsii</i>	Endangered	Endangered
Scaleshell	<i>Leptodea leptodon</i>	Endangered	Endangered
Sheepnose	<i>Plethobasus cyphus</i>	Endangered	
Fat Pocketbook	<i>Potamilus capax</i>	Endangered	Endangered
Winged Mapleleaf ³	<i>Quadrula fragosa</i>	Endangered	Endangered
<u>INSECTS</u>			
American Burying Beetle ³	<i>Nicrophorus americanus</i>	Endangered	Endangered
Hine's Emerald Dragonfly	<i>Somatochlora hineana</i>	Endangered	Endangered
<u>FISH</u>			
Grotto Sculpin	<i>Cottus</i> sp.	Candidate	
Lake Sturgeon	<i>Acipenser fulvescens</i>	Endangered	
Ozark Cavefish	<i>Amblyopsis rosae</i>	Endangered	Threatened
Crystal Darter	<i>Crystallaria asprella</i>	Endangered	
Arkansas Darter	<i>Etheostoma cragini</i>	Candidate	
Swamp Darter	<i>Etheostoma fusiforme</i>	Endangered	
Harlequin Darter	<i>Etheostoma histrio</i>	Endangered	
Niangua Darter	<i>Etheostoma nianguae</i>	Endangered	Threatened
Goldstripe Darter	<i>Etheostoma parvipinne</i>	Endangered	
Redfin Darter	<i>Etheostoma whipplei</i>	Endangered	
Spring Cavefish	<i>Forbesichthys agassizi</i>	Endangered	
Cypress Minnow	<i>Hybognathus hayi</i>	Endangered	
Taillight Shiner	<i>Notropis maculatus</i>	Endangered	
Sabine Shiner	<i>Notropis sabiniae</i>	Endangered	
Topeka Shiner	<i>Notropis Topeka</i>	Endangered	Endangered
Mountain Madtom	<i>Noturus eleutherus</i>	Endangered	
Neosho Madtom	<i>Noturus placidus</i>	Endangered	Threatened
Longnose Darter	<i>Percina nasuta</i>	Endangered	
Flathead Chub	<i>Platygobio gracilis</i>	Endangered	
Pallid Sturgeon	<i>Scaphirhynchus albus</i>	Endangered	Endangered
Central Mudminnow	<i>Umbra limi</i>	Endangered	

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>STATE</u> ¹	<u>FEDERAL</u> ²
<u>AMPHIBIANS</u>			
Eastern Hellbender	<i>Cryptobranchus a. alleganiensis</i>	Endangered ⁴	
Ozark Hellbender	<i>Cryptobranchus a. bishopi</i>	Endangered ⁴	Candidate
<u>REPTILES</u>			
Western Chicken Turtle	<i>Deirochelys reticularia miaria</i>	Endangered	
Western Fox Snake	<i>Elaphe vulpina vulpina</i>	Endangered	
Blanding's Turtle	<i>Emydoidea blandingii</i>	Endangered	
Yellow Mud Turtle	<i>Kinosternon f. flavescens</i>	Endangered	
Illinois Mud Turtle	<i>Kinosternon f. spooneri</i>	Endangered	
MS Green Water Snake ^a	<i>Nerodia cyclopion</i>	Endangered	
Eastern Massasauga	<i>Sistrurus c. catenatus</i>	Endangered	Candidate
<u>BIRDS</u>			
Bachman's Sparrow	<i>Aimophila aestivalis</i>	Endangered	
American Bittern	<i>Botaurus lentiginosus</i>	Endangered	
Northern Harrier	<i>Circus cyaneus</i>	Endangered	
Snowy Egret	<i>Egretta thula</i>	Endangered	
Peregrine Falcon	<i>Falco peregrinus</i>	Endangered	
Bald Eagle	<i>Haliaeetus leucocephalus</i>	Endangered	Threatened
Swainson's Warbler	<i>Limnothlypis swainsonii</i>	Endangered	
King Rail	<i>Rallus elegans</i>	Endangered	
Interior Least Tern	<i>Sterna antillarum athalassos</i>	Endangered	Endangered
Greater Prairie-Chicken	<i>Tympanuchus cupido</i>	Endangered	
Barn Owl	<i>Tyto alba</i>	Endangered	
<u>MAMMALS</u>			
Ozark Big-Eared Bat ³	<i>Corynorhinus townsendii ingens</i>	Endangered	Endangered
Black-Tailed Jackrabbit	<i>Lepus californicus</i>	Endangered	
Gray Bat	<i>Myotis grisescens</i>	Endangered	Endangered
Indiana Bat	<i>Myotis sodalist</i>	Endangered	Endangered
Mountain Lion	<i>Puma concolor</i>	Endangered	
Spotted Skunk	<i>Spilogale putorius</i>	Endangered	

¹Listed in the *Wildlife Code of Missouri*, Rule 3CSR10-4,111 Endangered Species.

²Federally Listed Species under the Endangered Species Act (ESA) of 1973 as Amended:

Endangered = Any species that is in danger of extinction throughout all or a significant portion of its range.

Threatened = Any species that is likely to become endangered within the foreseeable future.

Candidate = Plants or animals that the U.S. Fish & Wildlife Service is reviewing for possible addition to the list of Endangered and Threatened species.

Proposed = Any species proposed for listing as Threatened or Endangered by the U.S. Fish & Wildlife Service.

³Considered extirpated, historical or accidental occurrence in Missouri.

⁴Proposed State Endangered at time of printing. Contact Endangered Species Coordinator for current status.

SCIENTIFIC NAME	COMMON NAME	SRANK	GRANK	STATE STATUS	FEDERAL STATUS
LICHENS					
CLADONIA CERVICORNIS SSP VERTICILLATA	A LICHEN	S?		G4G5T?	
CLADONIA LEPORINA	A LICHEN	S2		G4G5	
COLLEMA NIGRESCENS	A LICHEN	SU		G3G5	
DENDRISCOAULON INTRICATULUM	A LICHEN	S?		G2G4	
DERMATOCARPON MOULINSII	A LICHEN	S1		G?	
DIBAEIS ABSOLUTA	A LICHEN	S1		G4	
FLAVOPARMELIA RUTIDOTA	A LICHEN	S?		G?	
GRAPHINA SOPHISTICASCENS	A LICHEN	SH		G?	
IMSHAUGIA ALEURITES	A LICHEN	S?		G5	
LECIDEA LURIDA	A LICHEN	SU		G?	
PANNARIA RUBIGINOSA	A LICHEN	S1		G4?	
PARMELIA SQUARROSA	A LICHEN	S?		G5	
PARMELINA HORRESCENS	A LICHEN	S1		G5	
PARMOTREMA HYPOLEUCINUM	A LICHEN	S1		G?	
PARMOTREMA MADAGASCARIACEUM	A LICHEN	S?		G3G5	
PARMOTREMA TINCTORUM	A LICHEN	S2		G5?	
PSEUDOCYPHELLARIA AURATA	A LICHEN	S1		G3G5	
PSORA ICTERICA	A LICHEN	S1		G5?	
PSORA TUCKERMANII	A LICHEN	SRF		G5	
PYCNOTHELIA PAPILLARIA	A LICHEN	S1		G3G5	
RAMALINA INTERMEDIA	A LICHEN	S1		G4G5	
RIMELIA SUBSIDIOSA	A LICHEN	S1		G4G5	
TUCKERMANNOPSIS CILIARIS	A LICHEN	S?		G3G5	
USNEA ANGULATA	A LICHEN	S1		G2G3	
XANTHOPARMELIA AUSTRALASICA	A LICHEN	S1		G5	
XANTHOPARMELIA TINCTINA	A LICHEN	SRF		G5	
LIVERWORTS AND HORNWORTS					
ANEURA PINGUIS	A LIVERWORT	SU		G5	
ANTHOCEROS PUNCTATUS	A HORNWORT	S?		G5	
BAZZANIA TRILOBATA	A LIVERWORT	S1		G5	
KURZIA SETACEA	A LIVERWORT	S1		G4G5	
KURZIA SYLVATICA	A LIVERWORT	S1		G5	
MARSUPELLA SPHACELATA	A LIVERWORT	S1		G5	
METZGERIA CONJUGATA	A LIVERWORT	S1S2		G5	
METZGERIA FURCATA	A LIVERWORT	S?		G5	
NARDIA LESCURII	A LIVERWORT	S?		G3?	
NOTOTHYLAS ORBICULARIS	A HORNWORT	S1		G5	
NOWELLIA CURVIFOLIA	A LIVERWORT	S?		G5	
PHAEOCEROS OREGANUS	A HORNWORT	S1		G?Q	
PREISSIA QUADRATA	A LIVERWORT	S?		G5	
PTILIDIUM PULCHERRIMUM	A LIVERWORT	S1		G5	
RECTOLEJEUNEA MAXONII	A LIVERWORT	S1		G4	
RICCARDIA MULTIFIDA	A LIVERWORT	S1		G5	
RICCARDIA PALMATA	A LIVERWORT	S1		G5	
RICCIA STENOPHYLLA	A LIVERWORT	SU		G3G5	
RICCIA SULLIVANTII	A LIVERWORT	S?		G4Q	
MOSSES					
ACAULON MUTICUM VAR RUFESCENS	A MOSS	S?		G4G5T4	
ANOMOBRYUM FILIFORME	A MOSS	S1		G4	
ARCHIDIUM ALTERNIFOLIUM	A MOSS	S1		G4G5	
BARBULA CONVOLUTA VAR CONVOLUTA	A MOSS	S?		G5T?	
BRACHELYMA SUBULATUM	A MOSS	S1		G4G5	
BRUCHIA FLEXUOSA	A MOSS	S?		G4	
BRYOXIPHUM NORVEGICUM	SWORD MOSS	S1		G5?	
BRYUM ALGOVICUM VAR ALGOVICUM	A MOSS	S1		G4G5T?	
BRYUM CYCLOPHYLLUM	A MOSS	S?		G4G5	
BRYUM KLINGGRAEFFII	A MOSS	S?		G4G5	
BRYUM MINIATUM	A MOSS	S1		G3G4	
BRYUM SUBAPICULATUM	A MOSS	SX		G5?	
BRYUM ULIGINOSUM	A MOSS	S1		G3G5	
CALLIERGONELLA CUSPIDATA	A MOSS	S?		G5	
CAMPYLUM POLYGAMUM	A MOSS	S1		G5	

SCIENTIFIC NAME	COMMON NAME	SRANK	GRANK	STATE STATUS	FEDERAL STATUS
CAMPYLUM PROTENSUM	A MOSS	SU	G5T3T5		
CAMPYLUM RADICALE	A MOSS	SU	G3G5		
CAMPYLUM STELLATUM VAR STELLATUM	YELLOW STARRY FEN MOSS	SU	G5T5		
CAMPYLOPDIELLA STENOCARPA	A MOSS	S1	G5		
CAMPYLOPUS TALLULENSIS	A MOSS	S1	G4		
DICHELYMA CAPILLACEUM	A MOSS	S1	G5		
DICRANELLA RUFESCENS	A MOSS	S1S2	G5?		
DICRANUM POLYSETUM	A MOSS	S1	G5		
DIDYMODON REVOLUTUS	A MOSS	S1	G4		
DIDYMODON RIGIDULUS VAR GRACILIS	A MOSS	S?	G5T5?		
DIDYMODON RIGIDULUS VAR RIGIDULUS	A MOSS	S1	G5T4?		
ENCALYPTA PROCERA	EXTINGUISHER MOSS	S1	G4G5		
EPHEMERUM COHAERENS	EMERALD DEWDROPS	S1	G4G5		
EPHEMERUM CRASSINERVIUM VAR CRASSINERVIUM	A MOSS	S?	G5T4		
EPHEMERUM SERRATUM	A MOSS	SU	G5		
EPHEMERUM SPINULOSUM	EMERALD DEWDROPS	S?	G4G5		
FONTINALIS SULLIVANTII	A MOSS	S1	G3G5		
FORSSTROEMIA PRODUCTA	A MOSS	S1	G5?		
GRIMMIA OLNEYI	A MOSS	S?	G3G5		
GRIMMIA OVALIS	A MOSS	SRF	G5?		
GRIMMIA TERETINERVIS	A MOSS	S1	G3G5		
HELODIUM PALUDOSUM	A MOSS	S1	G3G5		
HOMALIADELPHUS SHARPII	SHARPS HOMALIADELPHUS	S1	G3?		
HYPNUM CUPRESSIFORME VAR FILIFORME	A MOSS	S1	G5T?		
HYPNUM IMPONENS	A MOSS	S?	G5		
HYPNUM PALLESCENS	A MOSS	S1	G5		
ISOPTERYGIOPSIS MUELLERIANA	A MOSS	S1	G5		
LESKEA AUSTRALIS	A MOSS	S1	G4		
LESKEA POLYCARPA VAR POLYCARPA	A MOSS	S?	G4G5T?		
LEUCODON BRACHYPUS VAR BRACHYPUS	A MOSS	SRF	G5T5		
MICROMITRIUM MEGALOSPORUM	A MOSS	S1S2	G4		
MNIUM THOMSONII	A MOSS	S?	G5		
MYURELLA SIBIRICA	A MOSS	S?	G4?		
NECKERA BESSERI	A MOSS	S1	G5		
ORTHOTRICHUM ANOMALUM	A MOSS	S?	G4G5		
ORTHOTRICHUM DIAPHANUM	A MOSS	S?	G5		
ORTHOTRICHUM ELEGANS	A MOSS	S1	G5		
PHYSCOMITRELLA PATENS	A MOSS	S1S2	G4		
PHYSCOMITRIUM COLLENCHYMATUM	A MOSS	S1	G2G4		
PLAGIOMNIUM ELLIPTICUM	A MOSS	S?	G5		
PLAGIOMNIUM ROSTRATUM	A MOSS	S1	G5		
PLAGIOTHECIUM DENTICULATUM	A MOSS	S1	G5		
PLATYLOMELLA LESCURI	A MOSS	S?	G5		
POLYTRICHUM PILIFERUM	A HAIR CAP MOSS	S1	G5		
PSEUDOTAXIPHYLLUM DISTICHACEUM	A MOSS	S?	G4G5		
PTYCHOMITRIUM SINENSE	A MOSS	S1	G4G5		
PYRAMIDULA TETRAGONA	A MOSS	S?	G3G5		
RHABDOWEISIA CRISPATA	A MOSS	S1	G5		
RHYTIDIADELPHUS TRIQUETRUS	SHAGGY MOSS	S?	G5		
RHYTIDIUM RUGOSUM	GOLDEN GLADE-MOSS	S1	G5		
SCOPELOPHILA LIGULATA	COPPER MOSS	SRF	G5?		
SELIGERIA CALCAREA	A MOSS	S?	G4?		
SELIGERIA DONNIANA	A MOSS	S1	G4G5		
SELIGERIA PUSILLA	A MOSS	S1	G3G5		
SEMATOPHYLLUM MARYLANDICUM	A MOSS	S1	G5		
SPHAGNUM ANGUSTIFOLIUM	NARROWLEAF PEATMOSS	S1	G5		
SPHAGNUM CAPILLACEUM VAR TENERUM	SPHAGNUM	SRF	G5		
SPHAGNUM CAPILLIFOLIUM	NORTHERN PEATMOSS	S1	G5		
SPHAGNUM CENTRALE	SPHAGNUM	S1S2	G5		
SPHAGNUM CUSPIDATUM	SPHAGNUM	S1	G5		
SPHAGNUM FALLAX	SPHAGNUM	SRF	G5		
SPHAGNUM FIMBRIATUM	SPHAGNUM	S1	G5		
SPHAGNUM GIRGENSOHNII	SPHAGNUM	SRF	G5		
SPHAGNUM IMBRICATUM	SPHAGNUM	SSYN	G?Q		
SPHAGNUM MARGARITAE	PEATMOSS	S?	G?		
SPHAGNUM RUSSOWII	SPHAGNUM	SRF	G5		
SPHAGNUM SUBTILE	SPHAGNUM	S1	G5?Q		
SYRRHOPODON TEXANUS	A MOSS	S1	G5		
THAMNOBRYUM ALLEGHANIENSE	A MOSS	S1	G5?		
TORTULA PAPILLOSA	A MOSS	S?	G5		

SCIENTIFIC NAME	COMMON NAME	SRANK	GRANK	STATE STATUS	FEDERAL STATUS
TREMATODON LONGICOLLIS	A MOSS	S1	G5		
ZYGODON APICULATUS	A MOSS	S1	GU		
FERNS AND FERN ALLIES					
ASPLENIUM MONTANUM	MOUNTAIN SPLEENWORT	SH	G5		
BOTRYCHIUM BITERNATUM	FEW-LOBED GRAPE FERN	S1	G5		
CHEILANTHES ALABAMENSIS	ALABAMA LIP-FERN	S1	G4G5		
CHEILANTHES TOMENTOSA	WOOLLY LIP-FERN	S1	G5		
CYSTOPTERIS TENUIS	A BLADDERFERN	S1	G4G5		
DENNSTAEDTIA PUNCTILOBULA	HAY-SCENTED FERN	S2	G5		
DRYOPTERIS CARTHUSIANA	SPINULOSE SHIELD FERN	S2	G5		
DRYOPTERIS CELSA	LOG FERN	S1	G4		
DRYOPTERIS CRISTATA	CRESTED FERN	S1	G5		
DRYOPTERIS GOLDIANA	GOLDIE'S FERN	S2	G4		
DRYOPTERIS INTERMEDIA	EVERGREEN WOODFERN	S1	G5		
EQUISETUM PRATENSE	MEADOW HORSETAIL	SRF	G5		
HUPERZIA POROPHILA	FIR CLUBMOSS	S2	G4		
ISOETES ENGELMANNII VAR ENGELMANNII	ENGELMANN'S QUILLWORT	S1?	G4T?		
LYCOPODIUM DENDROIDEUM	ROUND-BRANCHEDGROUNDSPINE	S1	G5		
LYCOPODIUM DIGITATUM	A CLUBMOSS	S2	G5		
LYCOPODIUM TRISTACHYUM	GROUND CEDAR	S1	G5		
MARSILEA MUCRONATA	MARSILEA	SRF	G5Q		
MATTEUCCIA STRUTHIOPTERIS VAR PENNSYLVANICA	OSTRICH FERN	S2	G5T5		
OPHIOGLOSSUM CROTALOPHOROIDES	BULBOUS ADDERS-TONGUE	S1	G5		
OPHIOGLOSSUM PETIOLATUM	STALKED ADDERS-TONGUE	SX	G5		
PELLAEA GLABELLA VAR MISSOURIENSIS	MISSOURI CLIFFBRAKE	S1S2	G5T1T2		
PILULARIA AMERICANA	AMERICAN PILL WORT	SU	G5		
WOODSIA OBTUSA SSP OCCIDENTALIS	BLUNT-LOBE WOODSIA	S1	G5T?		
WOODWARDIA AREOLATA	NETTED CHAIN FERN	S2	G5		
FLOWERING PLANTS					
ACALYPHA DEAMII	LARGE SEEDED MERCURY	SH	G4?		
ACONITUM UNCLINATUM	SOUTHERN MONKSHOOD	S1	G4		
AGALINIS AURICULATA	AURICULATEFALSEFOXGLOVE	S2	G3		
AGALINIS HETEROPHYLLA	PRAIRIE FALSE FOXGLOVE	S1	G4G5		
AGALINIS PURPUREA	PURPLE FALSE FOXGLOVE	S2	G5		
AGALINIS SKINNERIANA	PALE GERARDIA	S3	G3		
AGALINIS VIRIDIS	GREEN FALSE FOXGLOVE	S1	G4?		
AGRIMONIA GRYPOSEPALA	TALL AGRIMONY	SU	G5		
ALLIUM BURDICKII	WILD LEEK	S2	G4G5		
ALOPECURUS AEQUALIS	FLOATING FOXTAIL GRASS	S2	G5		
AMMANNIA AURICULATA	WRIGHT AMMANNIA	SRF	G5		
AMSONIA CILIATA VAR FILIFOLIA	CILIATE BLUE STAR	S2S3	G5?T4?		
ANEMONE CYLINDRICA	THIMBLEWEED	S2	G5		
ANEMONE QUINQUEFOLIA	WOOD ANEMONE	S1	G5		
ARABIS GLABRA	TOWER MUSTARD	S1	G5		
ARALIA NUDICAULIS	WILD SARSAPARILLA	S2	G5		
ARENARIA LATERIFLORA	GROVE SANDWORT	S2S3	G5		
ARISTIDA ADSCENSIONIS	SIXWEEKS THREE-AWN	SH	G5		
ARISTIDA DESMANTHA	CURLY THREE-AWN	S1	G5		
ARISTIDA LANOSA	WOOLLYLEAF THREE-AWN	S1	G5		
ARMORACIA LACUSTRIS	LAKE CRESS	S2	G4?		
ARONIA MELANOCARPA	BLACK CHOKEBERRY	S1	G5		
ARTEMISIA DRACUNCULUS SSP GLAUCA	A WORMWOOD	SH	G5T4T5Q		
ASCLEPIAS MEADII	MEAD'S MILKWEED	S2	G2	E	T
ASCLEPIAS SPECIOSA	SHOWY MILKWEED	SA	G5		
ASTER BRACHYACTIS	RAYLESS ALKALI ASTER	SH	G5T5		
ASTER DUMOSUS VAR STRICTIOR	TRADESCANT ASTER	S2	G5T4		
ASTER FRAGILIS VAR FRAGILIS	SMALL WHITE ASTER	S1	G4G5T?Q		
ASTER FURCATUS	FORKED ASTER	S2	G3		
ASTER MACROPHYLLUS	BIG-LEAVED ASTER	S2	G5		
ASTER PUBENTIOR	FLAT-TOPPED WHITE ASTER	S1	G5		
ASTER SUBULATUS VAR LIGULATUS	SALT MARSH ASTER	S2	G5T5		
ASTRAGALUS LOTIFLORUS	LOW MILK VETCH	S2	G5		
ASTRANTHIUM INTEGRIFOLIUM	WESTERN DAISY	S2	G5		
BARTONIA PANICULATA	SCREWSTEM	S1	G5		

SCIENTIFIC NAME	COMMON NAME	SRANK	GRANK	STATE STATUS	FEDERAL STATUS
BARTONIA VIRGINICA	YELLOW BARTONIA	S1	G5		
BERBERIS CANADENSIS	AMERICAN BARBERRY	S2	G3		
BERGIA TEXANA	BERGIA	S2	G5		
BERULA ERECTA	CUT-LEAVED WATER-PARSNIP	S1	G4G5		
BIDENS LAEVIS	A BEGGAR'S TICK	SH	G5		
BOLBOSCHOENUS MARITIMUS SSP PALUDOSUS	BAYONET GRASS	S1	G5T?		
BOLTONIA DECURRENS	DECURRENT FALSE ASTER	S1	G2	E	T
BOUTELOUA GRACILIS	BLUE GRAMA	S1	G5		
BOUTELOUA HIRSUTA	HAIRY GRAMA	S2	G5		
BROMUS CILIATUS	FRINGED BROME	SRF	G5		
BROMUS LATIGLUMIS	A BROME	S2S3	G5		
BROMUS NOTTOWAYANUS	A BROME	S2S3	G3G4		
BUCHLOE DACTYLOIDES	BUFFALO GRASS	S1	G4G5		
CALAMAGROSTIS PORTERI SSP INSPERATA	OFERHOLLOW REEDGRASS	S3	G4T3		
CALAMAGROSTIS STRICTA SSP INEXPANSA	NORTHERN REEDGRASS	S2S3	G5T5		
CALAMOVILFA LONGIFOLIA VAR LONGIFOLIA	LONG-LEAVED REEDGRASS	SH	G5T5		
CALLICARPA AMERICANA	FRENCH MULBERRY	S1	G5		
CALLIRHOE BUSHII	BUSH'S POPPY MALLOW	S2	G3		
CALLIRHOE TRIANGULATA	CLUSTERED POPPY MALLOW	SH	G3		
CALOPOGON TUBEROSUS	GRASS PINK ORCHID	S2	G5		
CALTHA PALUSTRIS	MARSH MARIGOLD	S1	G5		
CAMASSIA ANGUSTA	A WILD HYACINTH	S3	G5?Q		
CAMPANULA APARINOIDES	MARSH BELLFLOWER	S1	G5		
CAMPANULA ROTUNDIFOLIA	HAREBELL	S1	G5		
CAREX ABSCONDIRA	A SEDGE	S1	G4G5		
CAREX ALATA	BROADWING SEDGE	S2S3	G5		
CAREX ALBICANS VAR AUSTRALIS	BELLOW BEAKED SEDGE	S1	G5T5		
CAREX ALBOLUTESCENS	GREENISH-WHITE SEDGE	S1S2	G5		
CAREX AQUATILIS VAR AQUATILIS	WATER SEDGE	SRF	G5T5		
CAREX AQUATILIS VAR SUBSTRICTA	A SEDGE	S1	G5T?		
CAREX ARKANSANA	A SEDGE	S3	G4		
CAREX ATHERODES	AWNED SEDGE	S1	G5		
CAREX ATLANTICA SSP ATLANTICA	A SEDGE	S1	G5T4		
CAREX BROMOIDES	A SEDGE	S2	G5		
CAREX BUXBAUMII	BROWN BOG SEDGE	S2	G5		
CAREX CHEROKEENSIS	CHEROKEE SEDGE	S2	G4G5		
CAREX COMMUNIS	FIBROUS-ROOT SEDGE	S1	G5		
CAREX COMOSA	BRISTLY SEDGE	S2	G5		
CAREX CONOIDEA	FIELD SEDGE	S1	G5		
CAREX DEBILIS VAR DEBILIS	WHITE-EDGE SEDGE	S1	G5T5		
CAREX DEBILIS VAR RUDGEI	WHITE-EDGE SEDGE	SRF	G5T5		
CAREX DECOMPOSITA	EPIPHYTIC SEDGE	S3	G3		
CAREX FISSA VAR FISSA	A SEDGE	S1	G3G4QT3?		
CAREX FLACCOSPERMA	A SEDGE	S1	G5		
CAREX GIGANTEA	GIANT SEDGE	S1S2	G4		
CAREX GRACILLIMA	GRACEFUL SEDGE	S1	G5		
CAREX JOORII	CYPRESS-SWAMP SEDGE	SH	G4G5		
CAREX LACUSTRIS	LAKE-BANK SEDGE	S2	G5		
CAREX LAXICULMIS	SPREADING SEDGE	S2	G5		
CAREX LAXIFLORA VAR LAXIFLORA	A CAREX	S1	G5T5		
CAREX LONGII	GREENISH-WHITE SEDGE	S1	G5		
CAREX MICRODONTA	A SEDGE	S1	G4		
CAREX MOLESTIFORMIS	A SEDGE	S2	G?		
CAREX NIGROMARGINATA VAR FLORIDANA	A SEDGE	S1	G4G5T5?		
CAREX OKLAHOMENSIS	OKLAHOMA SEDGE	S2	G4		
CAREX OXYLEPIS	SHARP-SCALE SEDGE	S2	G5?		
CAREX PRASINA	DROOPING SEDGE	S1	G4		
CAREX RENIFORMIS	RENIFORM SEDGE	S1	G4?		
CAREX SARTWELLII	SARTWELL'S SEDGE	S1	G4G5		
CAREX SCABRATA	ROUGH SEDGE	SH	G5		
CAREX SOCIALIS	A SEDGE	S2	G4		
CAREX SPRENGELII	LONGBEAK SEDGE	S1	G5?		
CAREX STERILIS	A SEDGE	S1	G4		
CAREX STRAMINEA	STRAW SEDGE	S1	G5		
CAREX STRICTA	TUSSOCK SEDGE	S2?	G5		
CAREX SYCHNOCEPHALA	A SEDGE	S1	G4		
CAREX TENERA VAR ECHINODES	A SEDGE	SH	G5T?Q		
CAREX TETANICA	RIGID SEDGE	S1	G4G5		
CAREX TEXENSIS	A SEDGE	S1	G5		
CAREX TIMIDA	TIMID SEDGE	S1S2	G2G3		

SCIENTIFIC NAME	COMMON NAME	SRANK	GRANK	STATE STATUS	FEDERAL STATUS
CAREX TONSA	SHAVED SEDGE	SH	G4G5		
CAREX TRIANGULARIS	TRIANGULAR SEDGE	S1	G5		
CAREX TRICHOCARPA	HAIRY-FRUITED SEDGE	S1	G4		
CAREX VESICARIA VAR MONILE	A SEDGE	S2?	G5T4		
CAREX WILLDENOWII	WILLDENOW'S SEDGE	S1?	G5		
CAREX WOODII	WOOD'S SEDGE	SRF	G4		
CARYA GLABRA VAR GLABRA	PIGNUT HICKORY	SU	G5T5		
CARYA PALLIDA	SAND HICKORY	S2S3	G5		
CASTANEA PUMILA VAR OZARKENSIS	OZARK CHINQUAPIN	S2	G5T3		
CASTILLEJA PURPUREA VAR PURPUREA	PURPLE PAINTBRUSH	SH	G5T?		
CASTILLEJA SESSILIFLORA	DOWNY PAINTED CUP	S2	G5		
CAYAPONIA GRANDIFOLIA	A GOURD	S1	G4		
CENTROSEMA VIRGINIANUM	COASTAL BUTTERFLY-PEA	SU	G5		
CERATOPHYLLUM ECHINATUM	COONTAIL	S1?	G4?		
CHAETOPAPPA ASTEROIDES	COMMON LEASTDAISY	S2S3	G5		
CHAMAESYCE GEYERI	GEYER'S SPURGE	S1	G5		
CHASMANTHIUM LAXUM SSP LAXUM	SLENDER SPIKE GRASS	S1	G5T?		
CHASMANTHIUM LAXUM SSP SESSILIFLORUM	A SPIKE GRASS	SH	G5T5		
CHELONE OBLIQUA VAR SPECIOSA	ROSE TURTLEHEAD	S2	G4T3		
CHENOPODIUM STRICTUM VAR GLAUCOPHYLLUM	A GOOSEFOOT	SH	G5TU		
CISSUS INCISA	MARINE VINE	S2	G3G5		
CLEMATIS FREMONTII	FREMONT'S LEATHERFLOWER	S3	G5		
CLEMATIS VIORNA	A LEATHERFLOWER	S1	G5		
CLEOME SERRULATA	ROCK MOUNTAIN BEE PLANT	SH	G5		
COELOGLOSSUM VIRIDE VAR VIRESCENS	LONG-BRACTED ORCHID	S1	G5T5		
COELORACHIS CYLINDRICA	JOINT GRASS	S1	G4G5		
CONYZA CANADENSIS VAR PUSILLA	FLEABANE	S1S2	G5T5		
CORALLORHIZA TRIFIDA VAR VERNA	EARLY CORAL ROOT	SRF	G5T?Q		
CORISPERMUM HYSSOPIFOLIUM	A BUGSEED	SH	GU		
CORISPERMUM ORIENTALE	ORIENTAL TICK-SEED	SU	GU		
CORYDALIS MICRANTHA SSP AUSTRALIS	A CORYDALIS	S2	G5T5?		
CRATAEGUS MARSHALLII	PARSLEY HAW	S1	G5		
CRATAEGUS SPATHULATA	A HAWTHORN	S1	G5		
CROTONOPSIS LINEARIS	NARROWLEAF RUSHFOIL	S1	G5		
CYNOSCIADIUM DIGITATUM	FINGER DOG-SHADE	S2	G4G5		
CYPERUS COMPRESSUS	COCO GRASS	SU	G5		
CYPERUS CROCEUS	BALDWIN'S CYPERUS	S1	G5		
CYPERUS DIANDRUS	UMBRELLA FLATSEDEGE	S1	G5		
CYPERUS FLAVICOMUS	AN UMBRELLA SEDGE	S1	G5		
CYPERUS GRAYOIDES	AN UMBRELLA SEDGE	S2	G3		
CYPERUS HYSTRICINUS	FLATSEDEGE	S1	G4		
CYPERUS PLUKENETII	PLUKENET'S CYPERUS	S1	G5		
CYPERUS POLYSTACHYOS VAR TEXENSIS	MANY-SPIKED CYPERUS	S2	G5T5		
CYPERUS RETROFLEXUS	UMBRELLA SEDGE	S1	G5		
CYPERUS RETROFRACTUS	TEASEL-LIKE CYPERUS	S1S2	G5		
CYPERUS SCHWEINITZII	SCHWEINITZ'S FLATSEDEGE	S3	G5		
CYPERUS SETIGERUS	BRISTLED CYPERUS	S1	G3G5		
CYPRIPEDIUM CANDIDUM	SMALL WHITE LADY-SLIPPER	S1	G4		
CYPRIPEDIUM REGINAE	SHOWY LADY-SLIPPER	S2S3	G4		
DALEA ENNEANDRA	NINE-ANTHER DALEA	S2	G5		
DALEA GATTINGERI	GATTINGER PRAIRIE-CLOVER	S1	G3G4		
DALEA MULTIFLORA	ROUND-HEADED PRAIRIE CLOVER	SH	G5		
DECODON VERTICILLATUS	SWAMP LOOSESTRIFE	S1	G5		
DELPHINIUM EXALTATUM	TALL LARKSPUR	S2	G3		
DESCURAINIA PINNATA SSP PINNATA	TANSY MUSTARD	SH	G5T5		
DESMODIUM NUTTALLII	NUTTALL TICK-TREFOIL	S3	G5		
DESMODIUM OCHROLEUCUM	CREAMFLOWER TICK TREFOIL	SH	G2?		
DESMODIUM STRICTUM	PINELAND TICK TREFOIL	S1	G4		
DESMODIUM VIRIDIFLORUM	VELVETY TICK TREFOIL	S1	G5?		
DIARRHENA AMERICANA	AMERICAN BEAKGRAIN	S1	G4?		
DICHONDRA CAROLINENSIS	PONY-FOOT GRASS	S1	G5		
DISTICHLIS SPICATA VAR SPICATA	SEASHORE SALT GRASS	S1	G5T?		
DODECATHEON AMETHYSTINUM	AMETHYST SHOOTING STAR	S2	G4		
DODECATHEON FRENCHII	FRENCH'S SHOOTING STAR	S1	G3		
DRACOPIS AMPLEXICAULIS	CLASPING LEAVED CONEFLOWER	S1?	G5		
ECHINACEA ANGUSTIFOLIA VAR ANGUSTIFOLIA	NARROW-LEAVED CONEFLOWER	S1	G4T4		
ECHINOCHLOA WALTERI	A BARNYARD GRASS	S1	G5		
ECHINODORUS TENELLUS VAR PARVULUS	DWARF BURHEAD	S1	G3T3		
ELATINE TRIANDRA	WATERWORT	SH	G5		
ELEOCHARIS ATROPURPUREA	A SPIKE RUSH	S1	G4G5		

SCIENTIFIC NAME	COMMON NAME	SRANK	GRANK	STATE STATUS	FEDERAL STATUS
ELEOCHARIS EQUISETOIDES	HORSETAIL SPIKE RUSH	SH	G4		
ELEOCHARIS LANCEOLATA	LANCE-LIKE SPIKE RUSH	S1	G4G5		
ELEOCHARIS WOLFII	WOLF'S SPIKE RUSH	S2	G3?		
ELODEA CANADENSIS	BROAD WATERWEED	SU	G5		
ELYMUS DIVERSIGLUMIS	WILD RYE	SH	G3?Q		
EPIFAGUS VIRGINIANA	BEECH DROPS	S2	G5		
EPILOBIUM LEPTOPHYLLUM	WILLOW HERB	S1	G5		
ERAGROSTIS GLOMERATA	A LOVE GRASS	S1	G3G5		
ERAGROSTIS REPTANS	CREEPING LOVE GRASS	S1	G5		
ERIANTHUS GIGANTEUS	PLUME GRASS	S1	G5		
ERIANTHUS STRICTUS	NARROW PLUMEGRASS	SH	G5		
ERIOGONUM LONGIFOLIUM VAR LONGIFOLIUM	UMBRELLA PLANT	S2	G4T4		
ERYSIMUM CAPITATUM VAR CAPITATUM	WESTERN WALLFLOWER	S3?	G5T5		
EUONYMUS AMERICANUS	STRAWBERRY BUSH	S2	G5		
EUPATORIUM MACULATUM	SPOTTED JOE-PYE WEED	S1	G5		
EUPATORIUM ROTUNDIFOLIUM VAR SCABRIDUM	A THOROUGHWORT	S1?	G5T?		
EUPATORIUM SEMISERRATUM	A THOROUGHWORT	S1S2	G5		
FESTUCA SORORIA	A FESCUE	SH	G4		
FILIPENDULA RUBRA	QUEEN OF THE PRAIRIE	S2	G4G5		
FIMBRISTYLIS LITTORALIS VAR LITTORALIS	A FIMBRISTYLIS	S1?	G3G5T?		
FIMBRISTYLIS MILIACEA	A FIMBRISTYLIS	SRF	G5		
FLOERKEA PROSERPINACOIDES	FALSE MERMAID	SU	G5		
FRAGARIA VESCA VAR AMERICANA	WOODLAND STRAWBERRY	S1	G5T5		
FUIRENA SIMPLEX VAR ARISTULATA	AN UMBRELLA GRASS	S2?	G5T?		
GAILLARDIA AESTIVALIS VAR FLAVOVIRENS	A BLANKET FLOWER	SH	G5T?		
GALIUM BOREALE SSP SEPTENTRIONALE	NORTHERN BEDSTRAW	S2	G5T?		
GAURA COCCINEA VAR COCCINEA	SCARLET GAURA	S1	G5T?		
GAYLUSSACIA BACCATA	BLACK HUCKLEBERRY	S1	G5		
GENTIANA ANDREWSII VAR ANDREWSII	CLOSED GENTIAN	S1	G5?T5?		
GEOCARPON MINIMUM	GEOCARPON	S2	G2	E	T
GEUM VIRGINIANUM	PALE AVENS	S1	G5		
GILLENIA TRIFOLIATA	INDIAN PHYSIC	SH	G4G5		
GLYCERIA ACUTIFLORA	SHARP-SCALED MANNA GRASS	S3	G5		
GLYCYRRHIZA LEPIDOTA VAR LEPIDOTA	WILD LICORICE	SH	G5T?		
GRATIOLA VISCIDULA	HEDGE HYSSOP	S1	G4G5		
HEDYOTIS BOSCHII	A BLUET	S1	G5		
HEDYOTIS UNIFLORA	CLUSTERED BLUETS	S1	G5		
HELENIUM VIRGINICUM	VIRGINIA SNEEZEWEED	S1	G2	E	T
HELIANTHEMUM CANADENSE	A ROCKROSE	SU	G5		
HELIANTHUS ANGUSTIFOLIUS	SWAMP SUNFLOWER	S2	G5		
HELIOTROPIUM CURASSAVICUM	SEASIDE HELIOTROPE	S1	G5		
HETEROTHECA CANESCENS	HOARY GOLDEN ASTER	SH	G5?		
HEUCHERA PARVIFLORA VAR PARVIFLORA	LITTLE LEAVED ALUM ROOT	S1	G4T4		
HOTTONIA INFLATA	FEATHERFOIL	S2	G4		
HYDROCOTYLE VERTICILLATA VAR VERTICILLATA	WATER PENNYWORT	S1	G5T5		
HYDROLEA OVATA	OVATE FIDDLELEAF	S2	G5		
HYPERICUM ADPRESSUM	CREEPING ST. JOHN'S-WORT	S1	G2G3		
HYPERICUM CANADENSE	CANADIAN ST. JOHN'S-WORT	SRF	G5		
HYPERICUM DENSIFLORUM	BUSHY ST. JOHN'S-WORT	SRF	G5		
HYPERICUM LOBOCARPUM	A ST. JOHN'S WORT	SH	G4Q		
HYPERICUM MAJUS	GREATER ST. JOHN'S-WORT	SH	G5		
HYPERICUM PYRAMIDATUM	GREAT ST. JOHN'S-WORT	S1	G4		
ILEX VERTICILLATA VAR PADIFOLIA	WINTERBERRY	S3	G5T?		
ISOLEPIS MOLESTUS	GULF COAST BULRUSH	SH	G4?		
ISOTRIA MEDEOLOIDES	SMALL WHORLED POGONIA	SH	G2	E	T
ISOTRIA VERTICILLATA	LARGE WHORLED POGONIA	S1S2	G5		
IVA XANTHIFOLIA	A MARSH ELDER	SH	G5		
JUNCUS ALPINOARTICULATUS	RICHARDSON RUSH	SH	G5		
JUNCUS BALTICUS VAR LITTORALIS	BALTIC RUSH	S1	G5T5		
JUNCUS BRACHYPHYLLUS	SMALL-HEADED RUSH	SH	G5		
JUNCUS BUFONIUS VAR BUFONIUS	TOAD RUSH	S1	G5T5		
JUNCUS CANADENSIS VAR CANADENSIS	CANADA RUSH	S1	G5T5		
JUNCUS DEBILIS	WEAK RUSH	S1	G5		
JUNCUS NODOSUS	KNOTTED RUSH	SH	G5		
JUNCUS VALIDUS	A RUSH	S1	G5		
JUSTICIA OVATA	A WATER WILLOW	S2	G5		
LACTUCA HIRSUTA	HAIRY LETTUCE	SU	G5?		
LACTUCA LUDOVICIANA	WESTERN LETTUCE	SH	G4G5		
LACTUCA TATARICA SSP PULCHELLA	BLUE LETTUCE	S1	G5T5		
LATHYRUS PUSILLUS	A WILD PEA	SH	G5?		

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LECHEA RACEMULOSA	ILLINOIS PINWEED	SH	G5		
LEITNERIA FLORIDANA	CORKWOOD	S2	G3		
LEMNA OBSCURA	A DUCKWEED	SU	G5		
LEMNA TRISULCA	STAR DUCKWEED	S2	G5		
LEMNA TURIONIFERA	A DUCKWEED	SH	G5		
LESQUERELLA FILIFORMIS	MISSOURI BLADDER-POD	S3	G3	E	E
LIATRIS PUNCTATA VAR NEBRASKANA	A BLAZING STAR	S3	G5T3T5		
LIATRIS SCARIOSEA VAR NIEUWLANDII	A BLAZING STAR	S2	G5?T3T5		
LIATRIS SPICATA	BUTTON SNAKEROOT	SX	G5		
LILIUM PHILADELPHICUM VAR ANDINUM	PRAIRIE LILY	S1	G5T4T5		
LILIUM SUPERBUM	TURK'S CAP LILY	S1	G5		
LIMNOBIUM SPONGIA	AMERICAN FROGBIT	S2	G4		
LIMNOSCIADIUM PINNATUM	PINNATE DOGSHADE	S1	G5?		
LIMOSELLA AQUATICA	MUDWORT	SH	G5		
LINDERA MELISSIFOLIUM	PONDBERRY	S1	G2	E	E
LIPARIS LOESELII	LOESEL'S TWAYBLADE	S2	G5		
LIPOCARPHA ARISTULATA	LIPOCARPHA	SU	G5?		
LIPOCARPHA DRUMMONDII	A LIPOCARPHA	SH	G4G5		
LOBELIA PUBERULA VAR MINEOLANA	DOWNY LOBELIA	SH	G5T?		
LOMATIUM FOENICULACEUM SSP FOENICULACEUM	HAIRY PARSLEY	S1S3	G5T5		
LUDWIGIA LEPTOCARPA	PRIMROSE WILLOW	S2	G5		
LUDWIGIA MICROCARPA	A FALSE LOOSESTRIFE	S2	G5		
LUDWIGIA REPENS	A FALSE LOOSESTRIFE	SU	G5		
LYCOPUS ASPER	BUGLE WEED	SH	G5		
LYGODESMIA JUNCEA	SKELETON PLANT	S3	G5		
LYONIA MARIANA	STAGGER BUSH	SH	G5		
LYSIMACHIA THYRSIFLORA	TUFTED LOOSESTRIFE	S1	G5		
MALUS ANGUSTIFOLIA	NARROW-LEAVED WILD CRAB	S1	G5?		
MALVASTRUM HISPIDUM	YELLOW FALSE MALLOW	S3	G3G5		
MARSHALLIA CAESPITOSA VAR CAESPITOSA	BARBARA'S BUTTONS	S3	G4T4		
MARSHALLIA CAESPITOSA VAR SIGNATA	BARBARA'S BUTTONS	S1	G4T4		
MATELEA OBLIQUA	CLIMBING MILKWEED	SR	G4?		
MECARDONIA ACUMINATA	WATER HYSSOP	S1	G5		
MEDEOLA VIRGINIANA	INDIAN CUCUMBER-ROOT	SH	G5		
MENYANTHES TRIFOLIATA VAR MINOR	BOGBean	S1	G5T?		
MICROSERIS CUSPIDATA	PRAIRIE DANDELION	S2	G5		
MIMULUS GLABRATUS VAR FREMONTII	ROUNDLEAF MONKEY FLOWER	SH	G5T5		
MITREOLA PETIOLATA	MITERWORT	S1	G5		
MONARDA CLINOPODIA	A HORSEMINT	SH	G5		
MONARDA PUNCTATA VAR OCCIDENTALIS	DOTTED MONARDA	S2	G5T4T5		
MONARDA PUNCTATA VAR VILLICAULIS	HORSEMINT	SH	G5T?		
NAJAS FLEXILIS	A NAIAD	S1S2	G5		
NAJAS GRACILLIMA	THREAD-LIKE NAIAD	S2	G5?		
NEMASTYLIS GEMINIFLORA	PRAIRIE IRIS	S2	G4		
NEVIUSIA ALABAMENSIS	SNOW WREATH	SH	G2		
NYSSA BIFLORA	SWAMP BLACK GUM	SH	G5		
OBOLARIA VIRGINICA	VIRGINIA PENNYWORT	S2	G5		
OENOTHERA CLELANDII	EVENING PRIMROSE	S2	G3G5		
OENOTHERA FRUTICOSA SSP FRUTICOSA	SHRUBBY SUNDROPS	S1	G5T5		
OENOTHERA FRUTICOSA SSP GLAUCA	SHRUBBY SUNDROPS	SH	G5T5		
OENOTHERA PERENNIS	SMALL SUNDROPS	S1	G5		
OENOTHERA RHOMBIPETALA	AN EVENING PRIMROSE	S1S2	G4G5		
OENOTHERA TRILOBA	STEMLESS EVENING PRIMROSE	S2	G4		
OPUNTIA MACRORHIZA	LOW PRICKLY PEAR	S2	G5		
OPUNTIA POLYACANTHA VAR POLYACANTHA	STARVATION CACTUS	SX	G5T5		
OROBANCHE LUDOVICIANA	A BROOMRAPE	S1	G5		
OROBANCHE MULTIFLORA	A BROOMRAPE	S1	G5		
ORYZOPSIS RACEMOSA	BLACK-SEEDED MOUNTAIN RICE	S1	G5		
OXYTROPIS LAMBERTII	LOCOWEED	S2	G5		
PANICUM ACUMINATUM VAR LONGILIGULATUM	A PANIC GRASS	SRF	G5T4T5		
PANICUM DICHOTOMUM VAR MATTAMUSKEETENSE	A PANIC GRASS	SH	G5T?		
PANICUM DICHOTOMUM VAR NITIDUM	A PANIC GRASS	S1	G5T?		
PANICUM DICHOTOMUM VAR YADKINENSE	A PANIC GRASS	S1	G5T3T4Q		
PANICUM HIANIS	GAPING PANIC GRASS	S3	G5		
PANICUM LEIBERGII	A PANIC GRASS	SU	G5		
PANICUM PORTORICENSE	A PANIC GRASS	S1	G5T5		
PANICUM SABULORUM	HEMLOCK WITCHGRASS	SRF	G5		
PANICUM VERRUCOSUM	WARTY PANICGRASS	S1	G4		
PARONYCHIA VIRGINICA VAR SCOPARIA	VIRGINIA WHITLOW WORT	S1	G4T4Q		
PASPALUM BIFIDUM	PITCHFORK PASPALUM	S1	G5		

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PASPALUM DISSECTUM	MUDBANK PASPALUM	SH	G4?		
PASPALUM SETACEUM VAR SETACEUM	SLENDER PASPALUM	S1	G5T5		
PEDIOMELUM ARGOPHYLLUM	SILVERY PSORALEA	S2	G5		
PELTANDRA VIRGINICA	ARROW ARUM	S2	G5		
PENSTEMON COBAEA VAR COBAEA	A BEARD-TONGUE	S1	G4T?		
PENSTEMON GRANDIFLORUS	LARGE BEARD-TONGUE	S1	G5?		
PERIDERIDIA AMERICANA	EASTERN EULOPHUS	SU	G4		
PHILADELPHUS PUBESCENS VAR VERRUCOSUS	MOCK ORANGE	S1	G5?TU		
PHLOX AMPLIFOLIA	LARGE-LEAVED PHLOX	S3?	G3G5		
PHLOX BIFIDA SSP STELLARIA	BIFID PHLOX	S1	G5?T3		
PHLOX CAROLINA SSP ANGUSTA	CAROLINA PHLOX	SH	G5?T?		
PHLOX CAROLINA SSP CAROLINA	CAROLINA PHLOX	S1	G5?T3T5Q		
PHLOX MACULATA SSP PYRAMIDALIS	WILD SWEET WILLIAM	S2	G5T4T5		
PHYLA NODIFLORA	FOG FRUIT	SH	G5		
PHYLLANTHUS POLYGONOIDES	KNOTWEED LEAF-FLOWER	S1	G5		
PHYSOSTEGIA INTERMEDIA	A FALSE DRAGONHEAD	S1	G5		
PLANTAGO PATAGONICA	WOOLLY PLANTAIN	S2	G5		
PLATANThERA CILIARIS	YELLOW-FRINGED ORCHID	S1	G5		
PLATANThERA CLAVELLATA	GREEN WOOD ORCHID	S2	G5		
PLATANThERA FLAVA VAR FLAVA	PALE GREEN ORCHID	S2	G4T4?Q		
PLATANThERA FLAVA VAR HERBIOLA	NORTHERN REIN ORCHID	S2	G4T4Q		
PLATANThERA LEUCOPHAEA	EASTERN PRAIRIE FRINGED ORCHID	SH	G2	E	T
PLATANThERA PRAECLARA	WESTERN PRAIRIE FRINGED ORCHID	S1	G2	E	T
PLATANThERA PSYCODES	SMALL PURPLE-FRINGED ORCHID	SX	G5		
PLUCHEA FOETIDA	MARSH FLEABANE	SH	G5		
POA INTERIOR	INLAND BLUEGRASS	S1	G5		
POGONIA OPHIOGLOSSOIDES	SNAKE-MOUTH ORCHID	S1	G5		
POLYGONELLA AMERICANA	JOINTWEED	S2	G5		
POLYGONUM AMPHIBIUM VAR STIPULACEUM	WATER SMARTWEED	S1	G5T5		
POLYGONUM ARIFOLIUM	HALBERD-LEAVED TEAR THUMB	S1	G5		
POLYGONUM DENSIFLORUM	DENSE-FLOWER SMARTWEED	S1	G5		
POLYGONUM PROLIFICUM	BUSHY KNOTWEED	SRF	G4G5		
POLYGONUM PUNCTATUM VAR MAJUS	DOTTED SMARTWEED	SU	G4G5		
POLYMNIA LAEVI GATA	SMOOTH LEAF-CUP	SX	G3		
POLYPREMUM PROCUMBENS	JUNIPER-LEAF	S2	G5		
POPULUS GRANDIDENTATA	BIG-TOOTHED ASPEN	S1	G5		
POPULUS TREMULOIDES VAR TREMULOIDES	QUAKING ASPEN	S2	G5T?		
POTAMOGETON EPIHYDRUS	NUTTALL PONDWEED	SH	G5		
POTAMOGETON PULCHER	SPOTTED PONDWEED	S2S3	G5		
POTAMOGETON PUSILLUS VAR PUSILLUS	SLENDER PONDWEED	S1	G5T5		
POTENTILLA NICOLLETII	BUSHY CINQUEFOIL	SH	G?		
PRENANTHES RACEMOSA	RATTLESNAKE ROOT	SH	G5		
PRIONOPSIS CILIATA	A GOLDENWEED	S1	G4G5		
PTILIMNIUM CAPILLACEUM	MOCK BISHOP'S WEED	SH	G5		
PYCNANTHEMUM TUTICUM	BLUNT MOUNTAIN MINT	S2	G5		
PYCNANTHEMUM TORREI	TORREY MOUNTAIN MINT	SH	G2		
QUERCUS ELLIPSOIDALIS	NORTHERN PIN OAK	S1	G4		
QUERCUS NIGRA	WATER OAK	S2	G5		
QUERCUS PRINOIDES	DWARF CHINQUAPIN OAK	S3?	G5		
QUERCUS STELLATA VAR MARGARETTA	SAND POST OAK	SH	G5		
QUERCUS TEXANA	NUTTALL'S OAK	S2	G4G5		
RANUNCULUS CYMBALARIA	SEASIDE CROWFOOT	SH	G5		
RHYNCHOSIA DIFFORMIS	DOUBLE-FORMED SNOUTBEAN	S1	G5?		
RHYNCHOSPORA HARVEYI	HARVEY'S BEAK-RUSH	S1	G4		
RHYNCHOSPORA MACROSTACHYA	HORNED RUSH	S1	G4		
RIBES AMERICANUM	GOOSEBERRY	S1	G5		
ROSA BLANDA	SMOOTH ROSE	S1	G5		
ROSA VIRGINIANA	A ROSE	SU	G5		
RUBUS MISSOURICUS	PRICKLY GROUND BERRY	SH	GHQ		
RUBUS STRIGOSUS	RED RASPBERRY	SH	G5		
RUDBECKIA GRANDIFLORA VAR GRANDIFLORA	ROUGH CONEFLOWER	S1	G5T?		
RUMEX ORBICULATUS	WATER DOCK	SRF	G5		
RUPPIA MARITIMA	DITCH GRASS	S1	G5		
SABATIA BRACHIATA	MARSH PINK	S1	G5?		
SACCIOLEPIS STRIATA	AMERICAN CUPSCALE	S1	G5		
SAGITTARIA AMBIGUA	KANSAS ARROWHEAD	S1	G2?		
SAGITTARIA PLATYPHYLLA	OVATE-LEAVED ARROWHEAD	SH	G5		
SALIX DISCOLOR	PUSSY WILLOW	S1	G5		
SALIX ERIOCEPHALA VAR FAMELICA	DIAMOND WILLOW	SU	G5T?		
SALIX PETIOLARIS	MEADOW WILLOW	S1	G5		

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SAMBUCUS CANADENSIS VAR LACINIATA	ELDERBERRY	S1	G5T?Q		
SAMBUCUS RACEMOSA SSP PUBENS	RED-BERRIED ELDERBERRY	S1	G5T4T5		
SANICULA SMALLII	BLACK SNAKEROOT	SH	G5		
SAPINDUS DRUMMONDII	SOAPBERRY	S2	G5T5		
SCHOENOPECTUS AMERICANUS	OLNEY'S BULRUSH	SH	G5		
SCHOENOPECTUS CALIFORNICUS	GIANT BULRUSH	S1	G5		
SCHOENOPECTUS DELTARUM	DELTA BULRUSH	SH	G3G4		
SCHOENOPECTUS ETUBERCULATUS	CANBY'S BULRUSH	S1	G3G4		
SCHOENOPECTUS HALLII	HALL'S BULRUSH	S1	G2		
SCHOENOPECTUS PURSHIANUS	WEAKSTOCK BULRUSH	S1	G4G5		
SCHOENOPECTUS SAXIMONTANUS	A BULRUSH	S1	G5		
SCHOENOPECTUS SUBTERMINALIS	SWAYING RUSH	S1	G4G5		
SCHOENOPECTUS TORREYI	TORREY'S BULRUSH	SH	G5?		
SCIRPUS DIVARICATUS	A BULRUSH	SH	G5		
SCIRPUS PALLIDUS	PALE BULRUSH	S2	G5		
SCIRPUS PEDICELLATUS	A BULRUSH	SH	G4		
SCLERIA RETICULARIS VAR PUBESCENS	MUHLENBERG'S NUT-RUSH	S1	G5		
SCROPHULARIA LANCEOLATA	EARLY FIGWORT	SH	G5		
SCUTELLARIA ELLIPTICA VAR HIRSUTA	HAIRY SKULLCAP	S1	G5T?		
SCUTELLARIA GALERICULATA	MARSH SKULLCAP	S1	G5		
SCUTELLARIA MONTANA	LARGE-FLOWERED SKULLCAP	SRF	G2		T
SENECIO TOMENTOSUS	HAIRY GROUNDSEL	SH	G4G5		
SIDA ELLIOTTII	ELLIOTT SIDA	S1	G4G5		
SISYRINCHIUM ATLANTICUM	EASTERN BLUE-EYED GRASS	S2	G5		
SMILAX ILLINOENSIS	CARRION FLOWER	S2S3	G4?		
SOLIDAGO RIDDELLII	RIDDELL'S GOLDENROD	S2	G5		
SPERMOLEPIS INERMIS	RED RIVER SPERMOLEPIS	S3?	G5		
SPHENOPHOLIS PENNSYLVANICA	SWAMP OATS	SH	G4		
SPIRAEA ALBA	MEADOW-SWEET	S1	G5		
SPIRAEA TOMENTOSA	HARDHACK	S1	G5		
SPOROBOLUS AIROIDES	ALKALI SACATON	S1	G5		
STACHYS ASPERA	HEDGE NETTLE	SH	G5T4?		
STENOSIPHON LINIFOLIUS	STENOSIPHON	S2	G5		
STYLISMA PICKERINGII VAR PATTERSONII	A STYLISMA	S1	G4T4		
STYRAX GRANDIFOLIUS	BIGLEAF SNOWBELL	SRF	G5		
SULLIVANTIA SULLIVANTII	SULLIVANTIA	S2	G4		
SYMPHORICARPUS OCCIDENTALIS	WOLFBERRY	S1	G5		
THALIA DEALBATA	WATER CANNA	S2	G4		
THELESERMA FILIFOLIUM VAR FILIFOLIUM	THELESERMA	S2	G4G5T?		
TIPULARIA DISCOLOR	CRANEFLY ORCHID	S1	G4G5		
TORREYOCHLOA PALLIDA	PALE MANNA GRASS	S1	G5?		
TRADESCANTIA OZARKANA	OZARK SPIDERWORT	S2	G3		
TRAGIA RAMOSA	A NOSEBURN	S2	G5		
TRAUTVETTERIA CAROLINIENSIS	FALSE BUGBANE	S2	G5		
TREPOCARPUS AETHUSAE	TREPOCARPUS	S1	G4G5		
TRIADENUM TUBULOSUM	MARSH ST. JOHN'S WORT	S1	G4?		
TRICHOSTEMA SETACEUM	BLUE CURLS	S1	G5		
TRIDENS FLAVUS VAR CHAPMANII	A GRASS	S2	G5T?		
TRIDENS MUTICUS VAR ELONGATUS	SLIM TRIDENS	SH	G5T?		
TRIDENS OKLAHOMENSIS	OKLAHOMA FLUFF GRASS	HYB	G?		
TRIFOLIUM CAROLINIANUM	CAROLINA CLOVER	SH	G5		
TRIFOLIUM STOLONIFERUM	RUNNING BUFFALO CLOVER	S1	G3		E E
TRILLIUM NIVALE	SNOW TRILLIUM	S3?	G4		
TRILLIUM PUSILLUM VAR OZARKANUM	OZARK WAKE ROBIN	S2	G3T3		
TRIODANIS HOLZINGERI	A VENUS' LOOKING GLASS	SH	G4		
TRIODANIS LAMPROSPERMA	A VENUS' LOOKING GLASS	S2	G5?		
TRIOSTEUM ANGUSTIFOLIUM VAR EAMESII	YELLOW-FLOWERED HORSE GENTIAN	S1	G5T?Q		
TYPHA DOMINGENSIS	SOUTHERN CATTAIL	S1	G4G5		
ULMUS CRASSIFOLIA	CEDAR ELM	S1	G5		
ULMUS THOMASII	ROCK ELM	S2	G5		
URTICA CHAMAEDRYOIDES	WEAK NETTLE	S1	G4G5		
UTRICULARIA SUBULATA	SLENDER BLADDERWORT	S1	G5		
VALERIANELLA OZARKANA	OZARK CORN SALAD	S2	G3		
VERONICA AMERICANA	AMERICAN BROOKLIME	SH	G5		
VIBURNUM DENTATUM VAR DEAMII	SOUTHERN ARROW-WOOD	S1	G5T4T5Q		
VIBURNUM LENTAGO	NANNYBERRY	SH	G5		
VIBURNUM RECOGNITUM	NORTHERN ARROW-WOOD	S1	G5		
VICIA LUDOVICIANA VAR LUDOVICIANA	LOUISIANA VETCH	SH	G5T?		
VICIA MINUTIFLORA	PYGMY-FLOWERED VETCH	SH	G5		
VIOLA MACLOSKEYI SSP PALLENS	SMOOTH WHITE VIOLET	S2	G5T5		

SCIENTIFIC NAME	COMMON NAME	SRANK	GRANK	STATE STATUS	FEDERAL STATUS
VITIS ROTUNDIFOLIA	MUSCADINE	S1	G5		
WALDSTEINIA FRAGARIOIDES SSP FRAGARIOIDES	BARREN STRAWBERRY	S2	G5T5		
WOLFFIA BOREALIS	DOTTED WATERMEAL	SU	G5		
WOLFFIA COLUMBIANA	COLUMBIA WATER-MEAL	SU	G5		
WOLFFIELLA GLADIATA	WOLFFIELLA	S1	G5		
XYRIS JUPICAI	YELLOW-EYED-GRASS	S1	G5		
XYRIS TORTA	YELLOW-EYED GRASS	S1	G5		
YUCCA ARKANSANA	ARKANSAS YUCCA	S2	G5		
YUCCA GLAUCA	SMALL SOAPWEED YUCCA	S2	G5		
ZANNICHELLIA PALUSTRIS VAR MAJOR	HORNED PONDWEED	S3?	G5T?		
ZIGADENUS ELEGANS	WHITE CAMAS	S2	G5		
ZIGADENUS NUTTALLII	DEATH CAMAS	S1	G5		
ZIZANIA PALUSTRIS VAR INTERIOR	INTERIOR WILD RICE	SH	G4G5T4T5		

FLATWORMS

MACROCOTYLA GLANDULOSA	PINK PLANARIAN	S1	G1G3		
MACROCOTYLA LEWISI	LEWIS' CAVE PLANARIAN	S1	G1G2		
SPHALLOPLANA EVAGINATA	PERRYVILLE CAVE PLANARIAN	S1	G1G2		
SPHALLOPLANA HUBRICHTI	HUBRICHT'S CAVE PLANARIAN	S1	G3G4		

MOLLUSKS

ALASMIDONTA MARGINATA	ELKTOE	S2?	G4		
AMNICOLA STYGIA	STYGIAN CAVESNAIL	S1	G1		
ANODONTA SUBORBICULATA	FLAT FLOATER	S2	G5		
ANODONTOIDES FERUSSACIANUS	CYLINDRICAL PAPERSHELL	S1?	G5		
ANTROBIA CULVERI	TUMBLING CREEK CAVESNAIL	S1	G1	E	E
ARCIDENS CONFRAGOSUS	ROCK POCKETBOOK	S3	G4		
CUMBERLANDIA MONODONTA	SPECTACLECASE	S3	G2G3		
CYPROGENIA ABERTI	WESTERN FANSHELL	S1S2	G2		
ELLIPTIO CRASSIDENS	ELEPHANTEAR	S1	G5	E	
EPIOBLASMA FLORENTINA CURTISII	CURTIS PEARLY MUSSEL	S1	G1T1	E	E
EPIOBLASMA TRIQUETRA	SNUFFBOX	S1	G3	E	
EUCONULUS FULVUS	BROWN HIVE	SU	G4G5		
FONTIGENS ALDRICHI	OZARK SPRINGSNAIL	S4	G3G4		
FONTIGENS ANTROECETES	ENIGMATIC CAVESNAIL	S2	G2		
FONTIGENS PROSERPINA	PROSERPINE CAVESNAIL	S1	G1		
FUSCONAIA EBENA	EBONYSHELL	S1?	G4G5	E	
GASTROCOPTA ROGERSENSIS	A SNAGGLETOOTH SNAIL	SU	G2		
HENDERSONIA OCCULTA	CHERRYSTONE SNAIL	S3	G4		
LAMPASILIS ABRUPTA	PINK MUCKET	S2	G2	E	E
LAMPASILIS HIGGINSII	HIGGINS EYE	SA	G1	E	E
LAMPASILIS RAFINESQUEANA	NEOSHO MUCKET	S2	G2	C	
LAMPASILIS REEVIANA REEVIANA	ARKANSAS BROKENRAY	S2?	G3T1T2		
LEPTODEA LEPTODON	SCALESHELL	S1S2	G1	E	E
LEPTOXIS ARKANSENSIS	ARKANSAS MUDALIA	SU	G1		
LIGUMIA RECTA	BLACK SANDSHELL	S1S2	G5		
LINISA TEXASIANA	TEXAS LIPTOOTH	SU	G?		
MILLERELIX DELTOIDEA	A SNAIL	SU	G?		
OBOVARIA JACKSONIANA	SOUTHERN HICKORYNUT	S1	G1G2		
OBOVARIA OLIVARIA	HICKORYNUT	S2S3	G4		
PLECTOMERUS DOMBEYANUS	BANKCLIMBER	S3	G4		
PLETHOBASUS CYPHYUS	SHEEPNOSE	S1	G3	E	
PLEUROCERA ALVEARE	ROUGH HORNSNAIL	S1S3	G3G4		
POTAMILUS CAPAX	FAT POCKETBOOK	S1	G1	E	E
PTYCHOBANCHUS OCCIDENTALIS	OUACHITA KIDNEYSHELL	S2S3	G3G4		
PYRGULOPSIS OZARKENSIS	OZARK PYRG	SU	G1		
QUADRULA CYLINDRICA CYLINDRICA	RABBITSFOOT	S1	G3T3		
QUADRULA FRAGOSA	WINGED MAPLELEAF	SX	G1	E	E
QUADRULA NODULATA	WARTYBACK	S3	G4		
SIMPSONAIAS AMBIGUA	SALAMANDER MUSSEL	S1?	G3		
SOMATOGYRUS ROSEWATERI	CHERT PEBBLESNAIL	S1S3	G1		
STAGNICOLA ELODES	MARSH PONDSNAIL	S3?	G5		
TOXOLASMA LIVIDUS	PURPLE LILLIPUT	S2	G2		
TOXOLASMA TEXASIENSIS	TEXAS LILLIPUT	S3	G4		
VENTRIDENS BRITTSI	WESTERN DOME	SU	G?		
VENTRIDENS DEMISSUS	PERFORATE DOME	SU	G4G5		

SCIENTIFIC NAME	COMMON NAME	SRANK	GRANK	STATE STATUS	FEDERAL STATUS
VERTIGO GOULDI	VARIABLE VERTIGO	SU	G4G5		
VERTIGO MERAMECENSIS	BLUFF VERTIGO	SU	G2		
VERTIGO OSCARIANA	CAPITAL VERTIGO	SU	G4		
XOLOTREMA DENOTATUM	BLACK VELVET WEDGE SNAIL	SU	G5		
ARACHNIDS					
APOCHTHONIUS MYSTERIUS	MYSTERY CAVE PSEUDOSCORPION	S1	G1G2		
APOCHTHONIUS TYPHLUS	STONECOUNTYCAVEPSEUDOSCORPION	S1	G1G2		
HESPEROCHERNES OCCIDENTALIS	A TROGLOBITIC PSEUDOSCORPION	S3	G4G5		
MUNDOCHTHONIUS CAVERNICOLUS	CAVERNICOLOUS PSEUDOSCORPION	SU	G3G4		
PHANETTA SUBTERRANEA	SUBTERRANEAN CAVE SPIDER	S1	G4		
PORRHOMMA CAVERNICOLA	CAVERNICOLOUS PORRHOMMA SPIDER	S2	G4G5		
CRUSTACEANS					
ALLOCRANGONYX HUBRICHTI	HUBRICHT'S LONG-TAILED AMPHIPOD	S3	G1		
BACTRURUS BRACHYCAUDUS	SHORT-TAILEDGROUNDWATER AMPHIPOD	S4	G3G4		
BACTRURUS HUBRICHTI	SWORD-TAIL CAVE AMPHIPOD	S1	G3G4		
BACTRURUS PSEUDOMUCRONATUS	FALSE SWORD-TAILED CAVE AMPHIPOD	S2	G1G3		
CAECIDOTEA ANTRICOLA	CAVE ISOPOD	S4	G3G4		
CAECIDOTEA DIMORPHA	AN ISOPOD	S1S3	G1G3		
CAECIDOTEA FUSTIS	FUSTIS CAVE ISOPOD	S2	G3		
CAECIDOTEA SALEMENSIS	SALEM CAVE ISOPOD	S2	G3G4		
CAECIDOTEA SERRATA	SERRATED CAVE ISOPOD	S1	G1G2		
CAECIDOTEA STILADACTYLA	SLENDER-FINGERED CAVE ISOPOD	S1	G2G3		
CAECIDOTEA STYGIA	STYGIAN CAVE ISOPOD	S1	G4G5		
CAMBARELLUS PUER	CAJUN DWARF CRAYFISH	S3?	G4G5		
CAMBARELLUS SHUFELDTII	SHUFELDT'S DWARF CRAYFISH	S3?	G5		
CAMBARUS ACULABRUM	CAVE CRAYFISH	SP	G1		E
CAMBARUS HUBRICHTI	SALEM CAVE CRAYFISH	S3	G2		
CAMBARUS SETOSUS	BRISTLY CAVE CRAYFISH	S3	G2		
CYCLOPS CLANDESTINUS	CLANDESTINE GROUNDWATER COPEPOD	S1S3	G?		
FALLICAMBARUS FODIENS	DIGGER CRAYFISH	S2S3	G5		
FAXONELLA CLYPEATA	SHIELD CRAYFISH	S2S3	G5		
LIRCEUS MEGAPODUS	AN ISOPOD	SU	G?		
MACROBRACHIUM OHIONE	FRESHWATER SHRIMP	S1	G4		
ORCONECTES EUPUNCTUS	COLDWATER CRAYFISH	S3	G2		
ORCONECTES HARRISONII	BELTED CRAYFISH	S3	G3		
ORCONECTES LANCIFER	SHRIMP CRAYFISH	S1S2	G5		
ORCONECTES MARCHANDI	MAMMOTH SPRING CRAYFISH	S1S2	G2		
ORCONECTES MEEKI	MEEK'S CRAYFISH	S1	G4		
ORCONECTES PERUNCUS	BIG CREEK CRAYFISH	S2	G2		
ORCONECTES QUADRUNCUS	ST. FRANCIS RIVER CRAYFISH	S2	G2		
ORCONECTES STYGOCANEYI	CANEY MOUNTAIN CAVE CRAYFISH	S1S2	G1G2		
ORCONECTES WILLIAMSII	WILLIAMS' CRAYFISH	S1?	G2		
PROCAMBARUS VIAEVIROIDIS	VERNAL CRAYFISH	S3?	G5		
STYGOBROMUS BARRI	BARR'S GROUNDWATER AMPHIPOD	S1S3	G2G3		
STYGOBROMUS CLANTONI	CLANTON'S GROUNDWATER AMPHIPOD	S1S3	G2G4		
STYGOBROMUS HETEROPODUS	PICKLE SPRINGS AMPHIPOD	SX	G1G3		
STYGOBROMUS ONONDAGAENSIS	ONONDAGA CAVE AMPHIPOD	S3?	G1		
STYGOBROMUS OZARKENSIS	OZARK CAVE AMPHIPOD	S3?	G3G4		
STYGOBROMUS SUBTILIS	SUBTLE GROUNDWATER AMPHIPOD	S1S3	G2G3		
TRIOPS LONGICAUDATUS	TADPOLE SHRIMP	SU	G5		
MILLIPEDES					
CHAETASPIS ALEYORUM	ALEYS' CAVE MILLIPEDE	S1	G?		
SCOTERPES DENDROPUS	SCOTERPES CAVE MILLIPEDE	SU	G?		
TINGUPA PALLIDA	TINGUPA CAVE MILLIPEDE	S4	G3G4		
ZOSTERACTIS INTERMINATA	ZOSTERACTIS CAVE MILLIPEDE	SU	G3G4		
INSECTS					
ACRONEURIA OZARKENSIS	A PERLID STONEFLY	S2	G2		
AGAPETUS ARTESUS	ARTESIAN AGAPETUS CADDISFLY	S3	G?		

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ALLOCAPNIA PYGMAEA	A WINTER STONEFLY	S3	G5		
ALLOPERLA HAMATA	A SPRING STONEFLY	S3	G4		
ALLOPERLA LEONARDA	A SPRING STONEFLY	S3	G4		
AMBLYTROPIDIA MYSTECA	A GLADE GRASSHOPPER	SU	G5		
ANAX LONGIPES	COMET DARNER	S3	G5		
ANDRENA BEAMERI	AN ANDRENID BEE	S3	G?		
ARRHOPALITES CLARUS	CLARUS CAVE SPRINGTAIL	S3	G2G4		
ATTANEURIA RURALIS	A PERLID STONEFLY	S3	G4		
BAETISCA OBESA	A MAYFLY	S3	G5		
CALEPHELIS BOREALIS	NORTHERN METALMARK	S2S3	G3G4		
CAMPTONOTUS CAROLINENSIS	CAROLINA LEAF ROLLER CAMEL CRICKET	SU	G?		
CATOCALA MARMORATA	MARbled UNDERWING MOTH	S3	G3G4		
CATOCALA PRETIOSA TEXARKANA	PRECIOUS UNDERWING MOTH	S3?	G4T4		
CHALYBION ZIMMERMANNI ZIMMERMANNI	A BLUE MUD DAUBER	SU	G?T?		
CICINDELA CIRCUMPICATA JOHNSONII	SALINE SPRING TIGER BEETLE	S2S3	G5T5		
CONOCEPHALUS SALTANS	PRAIRIE MEADOW KATYDID	S3	G?		
EUPHYES DUKESI	DUKE'S SKIPPER	S1?	G3		
FORMICA CREIGHTONI	CREIGHTON'S SLAVEMAKING ANT	S3	G?		
FORMICA FOSSACEPS	AN ANT	SU	G?		
FORMICA MONTANA	PRAIRIE MOUND ANT	S3	G?		
FORMICA QUERQUETULANA	AN ANT	S3	G?		
GLYPHOPSYCHE MISSOURI	MISSOURI GLYPHOPSYCHE CADDISFLY	S1	G1		
GOMPHUS OZARKENSIS	OZARK CLUBTAIL	S3	G4		
GOMPHUS VENTRICOSUS	SKILLET CLUBTAIL	SU	G3		
GRYLLOTALPA MAJOR	PRAIRIE MOLE CRICKET	S3	G3		
HESPERIA OTTOE	OTTOE SKIPPER	S2S3	G3G4		
HYDROPERLA FUGITANS	A SPRING STONEFLY	S3	G3		
HYDROPSYCHE PIATRIX	A NET-SPINNING CADDISFLY	S4	G?		
HYPOPONERA OPACIOR	AN ANT	SU	G?		
INSCUDDERIA TAXODII	BALD CYPRESS KATYDID	S1	G?		
ISOPERLA BURKSI	A SPRING STONEFLY	S3	G4		
ISOPERLA LONGISETA	A SPRING STONEFLY	SX	G5		
LEPTYSMA MARGINICOLLIS	CATTAIL TOOTHPICK GRASSHOPPER	S2S3	G5		
LEUCOTRICHIA PICTIPES	A MICRO CADDISFLY	S3	G?		
LORDITHON NIGER	BLACK LORDITHON ROVE BEETLE	SH	GU		
LYTROSIS PERMAGNARIA	GEOMETRID MOTH	SU	G3G4		
MACROMIA PACIFICA	GILDED RIVER CRUISER	S3	G4		
MELANOPLUS FASCIATUS	HUCKLEBERRY GRASSHOPPER	S3	G5		
MELANOPLUS IMPUDICUS	IMMODEST GRASSHOPPER	S3	G4G5		
MELANOPLUS PACKARDII	PACKARD'S GRASSHOPPER	S2	G5		
MELANOPLUS PUNCTULATUS GRISEUS	GRIZZLY GRASSHOPPER	SU	G4T4		
MELANOPLUS VIRIDIPES VIRIDIPES	GREEN-LEGGED GRASSHOPPER	S3	G4T4		
MERMIRIA PICTA	MERMIRIA GRASSHOPPER	S3	G5		
MEROPE TUBER	A MEROPID SCORPIONFLY	S3	G3G5		
METALEPTEA BREVICORNIS	SHORT-HORNED GRASSHOPPER	S4	G5		
NEOCONOCEPHALUS BIVOCATUS	TWO-VOICED CONEHEAD KATYDID	S3	G?		
NEOCONOCEPHALUS EXILISCANORUS	SLIGHTLY-MUSICAL CONEHEAD KATYDID	S3	G?		
NEOCONOCEPHALUS LYRISTES	BOG CONEHEAD KATYDID	S3	G?		
NEOCONOCEPHALUS RETUSUS	ROUND-TIPPED CONEHEAD KATYDID	S4?	G?		
NEOPERLA CARLSONI	A PERLID STONEFLY	S3?	G4		
NEOTRICHIA KITAE	KITE'S NEOTRICHIAN CADDISFLY	SU	GU		
NEOTRIDACTYLUS APICALIS	LARGER PYGMY GRASSHOPPER	SU	G?		
NICROPHORUS AMERICANUS	AMERICAN BURYING BEETLE	SH	G2G3	E	E
OCHROTRICHIA CONTORTA	CONTORTED OCHROTRICHIAN MICRO CADDISFLY	SU	G?		
OECLEUS CHRISJOHNI	A CIXIID PLANTHOPPER	SU	G?		
ONCOPODURA HOFFI	HOFF'S CAVE SPRINGTAIL	S1S3	G1G2		
OPHIOGOMPHUS WESTFALLI	WESTFALL'S SNAKETAILED	S3	G3		
PARDALOPHORA SAUSSUREI	A GLADE GRASSHOPPER	S3	G5		
PAROXYA HOOSIERI	HOOSIER GRASSHOPPER	S1	G5		
PENTACORA SIGNORETI	A SHORE BUG	S1	G?		
PHOETALIOTES NEBRASCENSIS	LARGE-HEADED GRASSHOPPER	S3	G5		
PHRIXOCNEMIS TRUCULENTUS	TRUCULENT CAMEL CRICKET	SU	G?		
PHYLLOBROTICA LENGI	A LEAF BEETLE	SU	G?		
PHYLLOBROTICA NIGRITARSUS	A LEAF BEETLE	SU	G?		
PHYLLOBROTICA PHYSOSTEGIAE	A LEAF BEETLE	S4?	G?		
PONERA EXOTICA	AN ANT	S3	G?		
PROSTOIA SIMILIS	WINTER STONEFLY	S3	G5		
PSEUDOSINELLA ESPANA	ESPANA CAVE SPRINGTAIL	S3	G3		
PSINIDIA FENESTRALIS	SAND GRASSHOPPER	S2S3	G5		

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SATYRODES APPALACHIA LEEUWI	APPALACHIAN EYED BROWN	S2S3	G4T4		
SERRATELLA FRISONI	FRISON'S SERATELLAN MAYFLY	S2	G3		
SINELLA AVITA	AVITA CAVE SPRINGTAIL	SU	G4G5		
SINELLA BARRI	BARR'S CAVE SPRINGTAIL	SU	G5		
SOMATOCHLORA HINEANA	HINE'S EMERALD	S1	G2G3	E	E
SOMATOCHLORA OZARKENSIS	OZARK EMERALD	S2S3	G3		
SPEYERIA DIANA	DIANA FRITILLARY	SU	G3		
SPEYERIA IDALIA	REGAL FRITILLARY	S3	G3		
STENONEMA BEDNARIKI	A HEPTAGENIID MAYFLY	S3	G3		
STETHOPHYMA CELATUM	SEDGE GRASSHOPPER	S3	G4		
STYLURUS NOTATUS	ELUSIVE CLUBTAIL	S2S3	G3		
TACHOPTERYX THOREYI	GRAY PETALTAIL	S3	G4		
TETTIGIDEA ARMATA	SPINED GROUSE LOCUST	S2S3	G5		
TOMOCERUS MISSUS	MISSUS CAVE SPRINGTAIL	SU	G4G5		
TRIMEROTROPIS MARITIMA	SEASIDE GRASSHOPPER	SH	G5		
XENOCHALEPUS POTOMACA	A LEAF BEETLE	SU	G?		
XENOTRECHUS CONDEI	NORTHERN XENOTRECHUS CAVE BEETLE	S1	G1G2		
XENOTRECHUS DENTICOLLIS	SOUTHERN XENOTRECHUS CAVE BEETLE	S1	G1G2		

FISH

ACIPENSER FULVESCENS	LAKE STURGEON	S1	G3G4	E	
ALOSA ALABAMAE	ALABAMA SHAD	S2	G3		
AMBLIOPSIS ROSAE	OZARK CAVEFISH	S2	G2G3	E	T
AMEIURUS NEBULOSUS	BROWN BULLHEAD	S3?	G5		
AMMOCRYPTA CLARA	WESTERN SAND DARTER	S2S3	G3		
CARPIODES VELIFER	HIGHFIN CARPSUCKER	S2	G4G5		
CENTRARCHUS MACROPTERUS	FLIER	S3	G5		
COTTUS SP	GROTTO SCULPIN	S2	G1Q	C	
CRYSTALLARIA ASPRELLA	CRYSTAL DARTER	S1	G3	E	
CYCLEPTUS ELONGATUS	BLUE SUCKER	S3	G3G4		
CYPRINELLA CAMURA	BLUNTFACE SHINER	S2S3	G5		
ERIMYZON SUCETTA	LAKE CHUBSUCKER	S2	G5		
ETHEOSTOMA CRAGINI	ARKANSAS DARTER	S3	G3	C	
ETHEOSTOMA FUSIFORME	SWAMP DARTER	S1	G5	E	
ETHEOSTOMA HISTRIO	HARLEQUIN DARTER	S2	G5	E	
ETHEOSTOMA MICROPERCA	LEAST DARTER	S2	G5		
ETHEOSTOMA NIANGUAE	NIANGUA DARTER	S2	G2	E	T
ETHEOSTOMA PARVIPINNE	GOLDSTRIPE DARTER	S1	G4G5	E	
ETHEOSTOMA VIVAX	SCALY SAND DARTER	S3	G5		
ETHEOSTOMA WHIPPLEI	REDFIN DARTER	S1	G4	E	
FORBESICHTHYS AGASSIZI	SPRING CAVEFISH	S1	G4G5	E	
FUNDULUS CHRYSOTUS	GOLDEN TOPMINNOW	S1	G5		
FUNDULUS DISPAR	STARHEAD TOPMINNOW	S2	G4		
FUNDULUS SCIADICUS	PLAINS TOPMINNOW	S3	G4		
FUNDULUS ZEBRINUS	PLAINS KILLIFISH	S2	G5		
HIODON TERGISUS	MOONEYE	S3	G5		
HYBOGNATHUS ARGYRITIS	WESTERN SILVERY MINNOW	S2	G4		
HYBOGNATHUS HANKINSONI	BRASSY MINNOW	S3	G5		
HYBOGNATHUS HAYI	CYPRESS MINNOW	S1	G5	E	
HYBOGNATHUS NUCHALIS	MISSISSIPPI SILVERY MINNOW	S3S4	G5		
HYBOGNATHUS PLACITUS	PLAINS MINNOW	S2	G4		
ICHTHYOMYZON GAGEI	SOUTHERN BROOK LAMPREY	S2S3	G5		
LAMPETRA APPENDIX	AMERICAN BROOK LAMPREY	S2	G4		
LEPISOSTEUS SPATULA	ALLIGATOR GAR	SU	G3G4		
LEPOMIS MARGINATUS	DOLLAR SUNFISH	SU	G5		
LEPOMIS SYMMETRICUS	BANTAM SUNFISH	S2	G5		
MACRHYBOPSIS GELIDA	STURGEON CHUB	S3	G3		
MACRHYBOPSIS MEEKI	SICKLEFIN CHUB	S3	G3		
MACRHYBOPSIS STORERIANA	SILVER CHUB	S3	G5		
MUGIL CEPHALUS	STRIPED MULLET	SA	G5		
NOTROPIS AMNIS	PALLID SHINER	SX	G4		
NOTROPIS BUCHANANI	GHOST SHINER	S2	G5		
NOTROPIS CHALYBAEUS	IRONCOLOR SHINER	S1	G4		
NOTROPIS HETEROLEPIS	BLACKNOSE SHINER	S2	G4		
NOTROPIS MACULATUS	TAILLIGHT SHINER	S1	G5	E	
NOTROPIS OZARCANUS	OZARK SHINER	S2	G3		
NOTROPIS SABINAE	SABINE SHINER	S1	G3	E	
NOTROPIS TOPEKA	TOPEKA SHINER	S1	G3	E	E

SCIENTIFIC NAME	COMMON NAME	SRANK	GRANK	STATE STATUS	FEDERAL STATUS
NOTURUS ELEUTHERUS	MOUNTAIN MADTOM	S1S2	G4	E	
NOTURUS FLAVATER	CHECKERED MADTOM	S3S4	G3G4		
NOTURUS PLACIDUS	NEOSHO MADTOM	S2	G2	E	T
OPSOPOEODUS EMILIAE	PUGNOSE MINNOW	S4	G5		
PERCINA COPELANDI	CHANNEL DARTER	S3	G4		
PERCINA CYMATOTAENIA	BLUESTRIPE DARTER	S2	G2		
PERCINA NASUTA	LONGNOSE DARTER	S1	G3	E	
PERCINA SHUMARDI	RIVER DARTER	S3	G5		
PERCINA URANIDEA	STARGAZING DARTER	S2	G3		
PERCOPSIS OMISCOMAYCUS	TROUT-PERCH	S1?	G5		
PIMEPHALES TENELLUS PARVICEPS	EASTERN SLIM MINNOW	S2S3	G4T2T3		
PIMEPHALES TENELLUS TENELLUS	WESTERN SLIM MINNOW	S3	G4T4		
PLATYGOBIO GRACILIS	FLATHEAD CHUB	S1	G5	E	
POLYODON SPATHULA	PADDLEFISH	S3	G4		
SCAPHIRHYNCHUS ALBUS	PALLID STURGEON	S1	G1	E	E
TYPHLICHTHYS SUBTERRANEUS	SOUTHERN CAVEFISH	S2S3	G4		
UMBRA LIMI	CENTRAL MUDMINNOW	S1	G5	E	
AMPHIBIANS					
AMBYSTOMA ANNULATUM	RINGED SALAMANDER	S3	G4		
AMBYSTOMA TALPOIDEUM	MOLE SALAMANDER	S2	G5		
AMBYSTOMA TIGRINUM TIGRINUM	EASTERN TIGER SALAMANDER	SU	G5T5		
AMPHIUMA TRIDACTYLUM	THREE-TOED AMPHIUMA	S2	G5		
BUFO COGNATUS	GREAT PLAINS TOAD	SU	G5		
CRYPTOBRANCHUS ALLEGANIENSIS ALLEGANIENSIS	EASTERN HELLBENDER	S1	G3G4T3T4	E*	
CRYPTOBRANCHUS ALLEGANIENSIS BISHOPI	OZARK HELLBENDER	S1	G3G4T3Q	E*	C
HEMIDACTYLIUM SCUTATUM	FOUR-TOED SALAMANDER	S4	G5		
NECTURUS MACULOSUS LOUISIANENSIS	RED RIVER MUDPUPPY	SU	G5T4		
NECTURUS MACULOSUS MACULOSUS	COMMON MUDPUPPY	SU	G5T5		
PSEUDACRIS STRECKERI ILLINOENSIS	ILLINOIS CHORUS FROG	S2	G5T3		
RANA AREOLATA CIRCULOSA	NORTHERN CRAWFISH FROG	S3	G4T4		
RANA PIPIENS	NORTHERN LEOPARD FROG	S2	G5		
RANA SYLVATICA	WOOD FROG	S3	G5		
SCAPHIOPUS HOLBROOKII HOLBROOKII	EASTERN SPADEFOOT	S2	G5T5		
TYPHLOTRITON SPELAEUS	GROTTO SALAMANDER	S2S3	G4		
REPTILES					
CEMOPHORA COCCINEA COPEI	NORTHERN SCARLET SNAKE	S2S3	G5T5		
CROTAPHYTUS COLLARIS COLLARIS	EASTERN COLLARED LIZARD	S4	G5		
DEIROCHELYS RETICULARIA MIARIA	WESTERN CHICKEN TURTLE	S1	G5T5	E	
ELAPHE VULPINA VULPINA	WESTERN FOX SNAKE	S1	G5T5	E	
EMYDOIDEA BLANDINGII	BLANDING'S TURTLE	S1	G4	E	
EUMECES OBSOLETUS	GREAT PLAINS SKINK	S2	G5		
EUMECES SEPTENTRIONALIS OBTUSIROSTRIS	SOUTHERN PRAIRIE SKINK	S3	G5T5		
EUMECES SEPTENTRIONALIS SEPTENTRIONALIS	NORTHERN PRAIRIE SKINK	S3	G5T5		
FARANCIA ABACURA REINWARDTII	WESTERN MUD SNAKE	S2	G5T5		
HETERODON NASICUS GLOYDI	DUSTY HOGNOSE SNAKE	SX	G5T3T4Q		
HETERODON NASICUS NASICUS	PLAINS HOGNOSE SNAKE	SX	G5T5		
KINOSTERNON FLAVESCENS FLAVESCENS	YELLOW MUD TURTLE	S1	G5T5	E	
KINOSTERNON FLAVESCENS SPOONERI	ILLINOIS MUD TURTLE	S1	G5T1Q	E	
LIOCHLOROPHIS VERNALIS	SMOOTH GREEN SNAKE	SX	G5		
MACROCHELYS TEMMINCKII	ALLIGATOR SNAPPING TURTLE	S2	G3G4		
NERODIA CYCLOPION	MISSISSIPPI GREEN WATER SNAKE	SX	G5	E	
PHRYNOSOMA CORNUTUM	TEXAS HORNED LIZARD	S2	G4G5		
SISTRURUS CATENATUS CATENATUS	EASTERN MASSASAUGA	S1	G3G4T3T4	E	C
BIRDS					
ACCIPITER COOPERII	COOPER'S HAWK	S3	G5		
ACCIPITER STRIATUS	SHARP-SHINNED HAWK	S2	G5		
AIMOPHILA AESTIVALIS	BACHMAN'S SPARROW	S1	G3	E	

*PROPOSED STATE ENDANGERED AT TIME OF PRINTING. CONTACT ENDANGERED SPECIES COORDINATOR FOR CURRENT STATUS.

SCIENTIFIC NAME	COMMON NAME	SRANK	GRANK	STATE STATUS	FEDERAL STATUS
AMMODRAMUS HENSLOWII	HENSLOW'S SPARROW	S2	G4		
ANHINGA ANHINGA	ANHINGA	SX	G5		
ARDEA ALBA	GREAT EGRET	S3	G5		
ASIO FLAMMEUS	SHORT-EARED OWL	S2	G5		
ASIO OTUS	LONG-EARED OWL	SU	G5		
BARTRAMIA LONGICAUDA	UPLAND SANDPIPER	S3	G5		
BONASA UMBELLUS	RUFFED GROUSE	SU	G5		
BOTAURUS LENTIGINOSUS	AMERICAN BITTERN	S1	G4	E	
BUTEO LINEATUS	RED-SHOULDERED HAWK	S3	G5		
BUTEO SWAINSONI	SWAINSON'S HAWK	S2	G5		
CAMPEPHILUS PRINCIPALIS	IVORY-BILLED WOODPECKER	SX	GH	E	
CERTHIA AMERICANA	BROWN CREEPER	SU	G5		
CHLIDONIAS NIGER	BLACK TERN	SX	G4		
CIRCUS CYANEUS	NORTHERN HARRIER	S1S2	G5	E	
CISTOTHORUS PALUSTRIS	MARSH WREN	S2	G5		
CONUROPUS CAROLINENSIS	CAROLINA PARAKEET	SX	GX		
CORAGYPS ATRATUS	BLACK VULTURE	S3	G5		
CORVUS CORAX	COMMON RAVEN	SX	G5		
CYGNUS BUCCINATOR	TRUMPETER SWAN	SX	G4		
DENDROICA CERULEA	CERULEAN WARBLER	S2S3	G4		
DENDROICA PENNSYLVANICA	CHESTNUT-SIDED WARBLER	S3	G5		
ECTOPISTES MIGRATORIUS	PASSENGER PIGEON	SX	GX		
EGRETTA CAERULEA	LITTLE BLUE HERON	S2	G5		
EGRETTA THULA	SNOWY EGRET	S1	G5	E	
ELANOIDES FORFICATUS	SWALLOW-TAILED KITE	SX	G5		
FALCO PEREGRINUS	PEREGRINE FALCON	S1	G4	E	
GALLINULA CHLOROPUS	COMMON MOORHEN	S2	G5		
GEOCOCCYX CALIFORNIANUS	GREATER ROADRUNNER	S3	G5		
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	S2	G4	E	T
ICTINIA MISSISSIPPIENSIS	MISSISSIPPI KITE	S2	G5		
IXOBRYCHUS EXILIS	LEAST BITTERN	S2	G5		
LANIUS LUDOVICIANUS	LOGGERHEAD SHRIKE	S1S2	G4		
LATERALLUS JAMAICENSIS	BLACK RAIL	S1	G4		
LIMNOTHLYPIS SWAINSONII	SWAINSON'S WARBLER	S1	G4	E	
NYCTICORAX NYCTICORAX	BLACK-CROWNED NIGHT-HERON	S2	G5		
PANDION HALIAEETUS	OSPREY	S3	G5		
PASSERINA CIRIS	PAINTED BUNTING	S3	G5		
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	SX	G3	E	
PODILYMBUS PODICEPS	PIED-BILLED GREBE	S2	G5		
PORZANA CAROLINA	SORA	S2	G5		
RALLUS ELEGANS	KING RAIL	S1	G4G5	E	
RALLUS LIMICOLA	VIRGINIA RAIL	S2?	G5		
SITTA PUSILLA	BROWN-HEADED NUTHATCH	SX	G5		
STERNA ANTILLARUM ATHALASSOS	INTERIOR LEAST TERN	S1	G4T2Q	E	E
TYMPANUCHUS CUPIDO	GREATER PRAIRIE-CHICKEN	S1	G4	E	
TYTO ALBA	BARN OWL	S2	G5	E	
VERMIVORA BACHMANII	BACHMAN'S WARBLER	SX	GH	E	
VIREO BELLII	BELL'S VIREO	S3	G5		
XANTHOCEPHALUS XANTHOCEPHALUS	YELLOW-HEADED BLACKBIRD	S3	G5		

MAMMALS

BOS BISON	AMERICAN BISON	SX	G4		
CANIS LUPUS	GRAY WOLF	SX	G4	E	
CANIS RUFUS	RED WOLF	SX	G1	E	
CERVUS ELAPHUS	WAPITI	SX	G5		
CORYNORHINUS RAFINESQUII	RAFINESQUE'S BIG-EARED BAT	SU	G3G4		
CORYNORHINUS TOWNSENDII INGENS	OZARK BIG-EARED BAT	SX	G4T1	E	E
LEPUS CALIFORNICUS	BLACK-TAILED JACKRABBIT	S1	G5	E	
LEPUS TOWNSENDII	WHITE-TAILED JACKRABBIT	SX	G5		
MUSTELA FRENATA	LONG-TAILED WEASEL	S2	G5		
MUSTELA NIVALIS	LEAST WEASEL	S4	G5		
MYOTIS AUSTRORIPARIUS	SOUTHEASTERN BAT	SU	G3G4		
MYOTIS GRISESCENS	GRAY BAT	S3	G3	E	E
MYOTIS LEIBII	EASTERN SMALL-FOOTED MYOTIS	SU	G3		
MYOTIS SEPTENTRIONALIS	NORTHERN MYOTIS	S3	G4		
MYOTIS SODALIS	INDIANA BAT	S1	G2	E	E

SCIENTIFIC NAME	COMMON NAME	SRANK	GRANK	STATE STATUS	FEDERAL STATUS
OCHROTOMYS NUTTALLI	GOLDEN MOUSE	S3?	G5		
ORYZOMYS PALUSTRIS	RICE RAT	SU	G5		
PEROGNATHUS FLAVESCENS	PLAINS POCKET MOUSE	S2	G5		
PEROMYSCUS GOSSYPINUS	COTTON MOUSE	S2	G5		
PUMA CONCOLOR	MOUNTAIN LION	SU	G5	E	
REITHRODONTOMYS MONTANUS	PLAINS HARVEST MOUSE	S2	G5		
SPERMOPHILUS FRANKLINII	FRANKLIN'S GROUND SQUIRREL	S2S3	G5		
SPILOGALE PUTORIUS INTERRUPTA	PLAINS SPOTTED SKUNK	S1	G5T4	E	
SYLVILAGUS AQUATICUS	SWAMP RABBIT	S2	G5		
URSUS AMERICANUS	BLACK BEAR	S3	G5		

991 Records Processed

REFERENCES

NATURAL COMMUNITIES

Taxonomic Authority:

Nelson, P.W., et al. 2001. The Terrestrial Natural Communities of Missouri, 1985 by the Missouri Natural Areas Committee. Revised working draft, 2001.

Nelson, P.W. 1985. The Terrestrial Natural Communities of Missouri. Missouri Dept. of Natural Resources, Jefferson City. 197 pp.

LICHENS

Taxonomic Authority:

Egan, R.S. 1987. A fifth checklist of the lichen-forming, lichenicolous and allied fungi of the continental United States and Canada. *Bryologist* 90:77-173.

For Additional Information:

Ladd, D. 1996. Checklist and bibliography of Missouri lichens. Missouri Department of Conservation. Natural History Series, No. 4. Jefferson City, Missouri. 92 pp.

Potter-Thomas, L. and J.R. Jackson. 1985. Walk softly upon the earth: a pictorial field guide to Missouri mosses, liverworts and lichens. Missouri Department of Conservation. Jefferson City, Missouri. 129 pp.

HORNWORTS AND LIVERWORTS

Taxonomic Authority:

Stotler, R. and B. Crandall-Stotler. 1977. A checklist of the liverworts and hornworts of North America. *Bryologist* 80:405-428.

For Additional Information:

Potter-Thomas, L. and J.R. Jackson. 1985. Walk softly upon the earth: a pictorial field guide to Missouri mosses, liverworts and lichens. Missouri Department of Conservation. Jefferson City, Missouri. 129 pp.

MOSSES

Taxonomic Authority:

Anderson, Louis E., H.A. Crum, and W.R. Buck. 1990. List of the mosses of North America north of Mexico. *Bryologist* 93:448-499.

Crum, H. 1984. Sphagnopsida: Sphagnaceae. North American Flora, Series 2, 11:i-iv, 1-180.

For Additional Information:

Potter-Thomas, L. and J.R. Jackson. 1985. Walk softly upon the earth: a pictorial field guide to Missouri mosses, liverworts and lichens. Missouri Department of Conservation. Jefferson City, Missouri. 129 pp.

FERNS AND FERN ALLIES

Taxonomic Authority:

Yatskievych, G. 1999. Steyermark's Flora of Missouri, Vol. 1, Revised ed. Missouri Department of Conservation. Jefferson City, Missouri. 1991 pp.

For Additional Information:

Key, J.S. 1982. Field Guide to Missouri ferns. Missouri Department of Conservation. Jefferson City, Missouri. 208 pp.

FLOWERING PLANTS

Taxonomic Authority:

Yatskievych, G. and J. Turner. 1990. Catalogue of the flora of Missouri. Monographs in systematic botany from the Missouri Botanical Garden, V.37. 345 pp. *for dicotyledons*

Yatskievych, G. 1999. Steyermark's Flora of Missouri, Vol. 1, Revised ed. Missouri Department of Conservation. Jefferson City, Missouri. 1991 pp. *for monocotyledons*

For Additional Information:

Denison, E. 1990. Missouri wildflowers: a field guide to wildflowers of Missouri and adjacent areas. Missouri Department of Conservation. Jefferson City, Missouri. 286 pp.

Morgan, S.W. 1984. Select rare and endangered plants of Missouri. Missouri Department of Conservation leaflet. Jefferson City, Missouri. 28 pp.

Steyermark, J.A. 1963. Flora of Missouri. Iowa State Press. Ames, Iowa. 1728 pp.

Summers, B. 1996. Missouri orchids. Missouri Department of Conservation. Jefferson City, Missouri. 112 pp.

FLATWORMS

For Additional Information:

Huggins, D.G., P.M. Liechti and L.C. Ferrington, Jr., eds. 1985. Guide to the freshwater invertebrates of the Midwest. Kansas Biological Survey, Technical Publication No. 11. 221 pp.

MOLLUSKS

Taxonomic Authority:

Turgeon, D.D., A.E. Bogan, E.V. Coan, W.K. Emerson, W.G. Lyons, W.L. Pratt, C.F.E. Roper, A. Scheltama, F.G. Thompson and J.D. Williams. 1998. Common and scientific names of aquatic invertebrates from the United States and Canada: mollusks, 2nd ed. American Fisheries Society Special Publication No. 26. 526 pp.

For Additional Information:

Oesch, R.D. 1995. Missouri naiades: a guide to the mussels of Missouri. Missouri Department of Conservation. Jefferson City, Missouri. 270 pp.

Wu, S.K., R.D. Oesch and M.E. Gordon. 1997. Missouri aquatic snails. Missouri Department of Conservation. Jefferson City, Missouri. Natural History Series, No. 5. 97 pp.

CRUSTACEANS

Taxonomic Authority:

Williams, A.B., et. al. 1989. A list of common and scientific names of decapod crustaceans from America north of Mexico. American Fisheries Society special publication, No. 17. 77 pp.

For Additional Information:

Pflieger, W.L. 1996. The crayfishes of Missouri. Missouri Department of Conservation. Jefferson City, Missouri. 152 pp.

INSECTS

Taxonomic Authority:

Poole, R.W. and P. Gentili (Eds.). 1996-97. Nomina insecta nearctica. A checklist of the insects of North America. Entomological Information Services. Rockville, M.D. Four volumes.

For Additional Information:

Heitzman, J.R. and J.E. Heitzman. 1987. Butterflies and moths of Missouri. Missouri Department of Conservation. Jefferson City, Missouri. 385 pp.

FISH

Taxonomic Authority:

Robins, C.R., R.M. Bailey, C.E. Bond, J.R. Brooker, E.A. Lachner, R.N. Lea, and W.B. Scott. 1991. Common and scientific names of fishes from the United States and Canada (Fifth Edition). American Fisheries Society Special Publication 20. 183 pp.

For Additional Information:

Pflieger, W.L. 1997. The fishes of Missouri Revised Edition. Missouri Department of Conservation. Jefferson City, Missouri. 372 pp.

AMPHIBIANS AND REPTILES

Taxonomic Authority:

Conant, R. and J.T. Collins. 1998. A field guide to reptiles and amphibians of eastern and central North America. Third ed. expanded. Houghton Mifflin. Boston. 616 pp.

Crother, B.I. and Committee. 2000. Scientific and standard English names of amphibians and reptiles of North America north of Mexico, with comments regarding confidence in our understanding. Herpetological Circular No. 29. 82 pp.

For Additional Information:

Johnson, T.R. 2000. The amphibians and reptiles of Missouri. Missouri Department of Conservation. Jefferson City, Missouri. 400 pp.

BIRDS

Taxonomic Authority:

American Ornithologists' Union. 1998. Check-list of North American birds, 7th Edition. American Ornithologist's Union. Washington, D.C. 829 pp.

For Additional Information:

Jacobs, R. and J.D. Wilson. 1997. Missouri breeding bird atlas. Missouri Department of Conservation. Jefferson City, Missouri. 430 pp.

National Geographic Society. 1987. Field guide to the birds of North America. Second edition. Washington, D.C. 464 pp.

Robbins, M.B. and D.A. Esterla. 1992. Birds of Missouri: their distribution and abundance. University of Missouri Press. Columbia, Missouri. 399 pp.

MAMMALS

Taxonomic Authority:

Hall, E.R. 1981. The mammals of North America, 2nd edition. John Wiley & Sons, New York, 1181+ pp.

Wilson, D.E. and D.M. Reeder, eds. 1993. Mammal species of the world: a taxonomic and geographic reference, 2nd edition. Smithsonian Institution, Washington, D.C. 1206 pp.

For Additional Information:

Schwartz, C.W. and E.R. Schwartz. 1986. The wild mammals of Missouri. University of Missouri Press. Columbia, Missouri. 356 pp.

FOR MORE INFORMATION

The Missouri Department of Conservation collects and manages information on the location and status of species of conservation concern throughout the state. The Natural Heritage Database is a repository for this information.

If you have information on the location or questions about the status of any element on this checklist, please write or call:

Endangered Species Coordinator
Missouri Department of Conservation
P.O. Box 180
Jefferson City, MO 65102
(573) 751-4115

If you are requesting information about the location of any element on this checklist for the purposes of environmental review, please write:

Policy Coordination
Missouri Department of Conservation
P.O. Box 180
Jefferson City, MO 65102

MISSOURI RARE PLANT REPORTING FORM

Species (Scientific Name): _____ Investigator: _____

_____ Observation Date: _____

County: _____ Investigator's Address: _____

Location (Township, Range, Section): _____

Investigator's Phone: _____

Investigator's E-mail: _____

Topographic Quadrangle (if known): _____

Landowner (if known): _____

Describe how to reach location: _____

Description of habitat and surroundings ("word picture" of location, community type, habitat size, slope, topography, moisture relationships, etc.): _____

Number of plants seen: _____ In area of what size: _____

Number: In bud: _____ In flower: _____ In fruit: _____

Sterile or immature: _____ Seedlings: _____

Condition of plants: _____

Comments on types of land use or signs of disturbance: _____

Attach a map showing the exact location of the plant/population.

Return to: Botanist-Heritage
Science Division
Missouri Department of Conservation
P.O. Box 180
Jefferson City, Missouri 65102-0180
573/751-4115 ext. 3200

MISSOURI RARE ANIMAL REPORTING FORM

Please fill in available information. At the minimum, please complete categories noted **in bold**. If information is unknown or not applicable, indicate with UNK or NA, respectively. Submission of project report or relevant portion thereof with the same type of information will suffice in place of this form.

Species (Scientific Name/Common Name): _____ **Investigator:** _____

_____ **Observation Date:** _____

County: _____ **Investigator's Address:** _____

Location (Township, Range, Section, Quarter Sections, _____

or UTM Coordinates): _____

_____ **Investigator's Phone:** _____

_____ Investigator's E-mail: _____

Topographic Quadrangle (if known): _____

Landowner (if known): _____

Describe how to reach location: _____

Description of habitat and surroundings ("word picture" of location, community type, habitat size, slope, topography, moisture relationships, etc.): _____

Number of individuals observed (break down by age class if possible): _____

Number of individuals collected: _____

Evidence of breeding (breeding colors; time of year): _____

Courtship or territorial behavior: _____

Observation of nests or nest building: _____

Presence of eggs or young: _____

External measurements: _____

Museum deposited at: _____

Sampling methodology (briefly describe traps – live or snap; seining – drag or kick, etc.): _____

Size of area sampled: _____

Sampling effort (# of trap nights, # of person hours): _____

Associated species: _____

Types of land use or signs of disturbance: _____

Other comments: _____

Attach a map showing the exact location of the animal. Use a 7.5 minute topographic quad if available.
(Photocopy portion needed.)

Thank you for your assistance in helping us maintain the Natural Heritage Database.

Return to: Wildlife Ecologist – Heritage
Science Division
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