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**NATURAL RESOURCES COMMISSION****Information Bulletin #2 (Tenth Amendment)**

**SUBJECT:** Roster of Indiana Animals, Insects, and Plants that are Extirpated, Endangered, Threatened, or Rare (also described as Special Concern).

**I. INTRODUCTION**

Following is a roster of animals, insects, and plants considered in Indiana by the Department of Natural Resources to be extirpated, endangered, threatened, or rare (also described as special concern). The roster is intended to help identify these animals and plants, and the hope is that a better understanding of the fragility of these species will promote intelligent land use decisions. This roster may also be cross-referenced in rules and other documents directed to land use management.

Inclusion of an animal or plant on the roster is determined based on the best current information available. Adjustments to the listing will be required as additional data becomes available to the department and as the conditions of species change. For this reason, adjustments will be needed periodically to this roster, and those adjustments will be set forth in later editions of the roster.

Additional information concerning particular species included on the roster may be obtained from the Department of Natural Resources, Division of Fish and Wildlife and Division of Nature Preserves. For more information, or to suggest additions, deletions, or modifications to the listing, contact the following:

For Amphibians, Birds, Crustaceans, Fish, Mammals, Mollusks, and Reptiles:

Endangered Species Coordinator  
Indiana Department of Natural Resources  
Division of Fish and Wildlife  
402 West Washington Street, Room W273  
Indianapolis, Indiana 46204  
Telephone: (317) 232-4080

For Insects and Plants:

Indiana Department of Natural Resources  
Division of Nature Preserves  
402 West Washington Street, Room W267  
Indianapolis, Indiana 46204  
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**II. INDIANA CLASSIFICATIONS**

This section sets forth the classifications used in Indiana for wild animals, including mammals, birds, reptiles, amphibians, fish, mollusks, and crustaceans. The classifications used for insects and plants are set forth in Section IV and Section V, respectively.

"Endangered" means any animal species or subspecies whose prospects for survival or recruitment within the state are in immediate jeopardy and are in danger of disappearing from the state. This includes all species classified as endangered by the federal government that occur in Indiana.

"Special Concern" means an animal species requiring monitoring because of known or suspected vulnerability, limited abundance, or distribution in Indiana or a change in legal status or required habitat of the species of animal has occurred.

**III. ANIMALS****A. MAMMALS**

## 1. Endangered

*Myotis grisescens*, "gray myotis"  
*Myotis lucifugus*, "little brown bat"  
*Myotis septentrionalis*, "northern long-eared myotis"  
*Myotis sodalis*, "Indiana myotis"  
*Nycticeius humeralis*, "evening bat"  
*Perimyotis subflavus*, "tri-colored bat"  
*Sylvilagus aquaticus*, "Swamp rabbit"  
*Spermophilus franklinii*, "Franklin's ground squirrel"  
*Neotoma magister*, "Allegheny woodrat"

## 2. Special Concern

*Sorex fumeus*, "smoky shrew"  
*Sorex hoyi*, "pygmy shrew"  
*Condylura cristata*, "star-nosed mole"

Myotis austroriparius, "southeastern myotis"  
Myotis leibii, "eastern small-footed myotis"  
Lasiorycteris noctivagans, "silver-haired bat"  
Lasiurus borealis, "red bat"  
Lasiurus cinereus, "hoary bat"  
Corynorhinus rafinesquii, "Rafinesque's big-eared bat"  
Geomys bursarius, "plains pocket gopher"  
Ursus americanus, "black bear"  
Mustela nivalis, "least weasel"  
Taxidea taxus, "badger"

**B. BIRDS**

**1. Endangered**

Cygnus buccinator, "trumpeter swan"  
Botaurus lentiginosus, "American bittern"  
Ixobrychus exilis, "least bittern"  
Nycticorax nycticorax, "black-crowned night-heron"  
Nyctanassa violacea, "yellow-crowned night-heron"  
Calidris canutus rufa, "rufa red knot"  
Circus cyaneus, "northern harrier"  
Laterallus jamaicensis, "black rail"  
Rallus elegans, "king rail"  
Rallus limicola, "Virginia rail"  
Gallinula galeata, "common gallinule"  
Grus americana, "whooping crane"  
Charadrius melodus, "piping plover"  
Bartramia longicauda, "upland sandpiper"  
Sturnula antillarum, "least tern"  
Chlidonias niger, "black tern"  
Tyto alba, "barn owl"  
Asio flammeus, "short-eared owl"  
Lanius ludovicianus, "loggerhead shrike"  
Cisothorus platensis, "sedge wren"  
Cisothorus palustris, "marsh wren"  
Vermivora chrysoptera, "golden-winged warbler"  
Setophaga cerulean, "cerulean warbler"  
Setophaga kirtlandii, "Kirtland's warbler"  
Ammodramus henslowii, "Henslow's sparrow"  
Xanthocephalus xanthocephalus, "yellow-headed blackbird"

**2. Special Concern**

Colinus virginianus, "Northern bobwhite"  
Bonasa umbellus, "ruffed grouse"  
Ardea alba, "great egret"  
Ictinia mississippiensis, "Mississippi kite"  
Accipiter striatus, "sharp-shinned hawk"  
Haliaeetus leucocephalus, "bald eagle"  
Buteo platypterus, "broad-winged hawk"  
Grus canadensis, "sandhill crane"  
Pluvialis dominica, "American golden-plover"  
Tringa solitaria, "solitary sandpiper"  
Tringa melanoleuca, "greater yellowlegs"  
Arenaria interpres, "ruddy turnstone"  
Calidris subruficollis, "buff-breasted sandpiper"  
Limnodromus griseus, "short-billed dowitcher"  
Scolopax minor, "American woodcock"  
Phalaropus tricolor, "Wilson's phalarope"  
Chordeiles minor, "common nighthawk"  
Antrostomus vociferous, "eastern whip-poor-will"  
Falco peregrinus, "peregrine falcon"  
Helmitheros vermivorum, "worm-eating warbler"  
Mniotilta varia, "black-and-white warbler"  
Setophaga citrina, "hooded warbler"

*Sturnella neglecta*, "western meadowlark"  
*Pandion haliaetus*, "osprey"

C. REPTILES

1. Endangered

*Nerodia erythrogaster neglecta*, "copper-bellied watersnake"  
*Thamnophis butleri*, "Butler's gartersnake"  
*Clonophis kirtlandii*, "Kirtland's snake"  
*Cemophora coccinea*, "scarletsnake"  
*Opheodrys vernalis*, "smooth greensnake"  
*Tantilla coronata*, "southeastern crowned snake"  
*Agkistrodon piscivorus*, "cottonmouth"  
*Sistrurus catenatus*, "eastern massasauga"  
*Crotalus horridus*, "timber rattlesnake"  
*Kinosternon subrubrum*, "eastern mud turtle"  
*Clemmys guttata*, "spotted turtle"  
*Pseudemys concinna*, "river cooter"  
*Macrochelys temminckii*, "alligator snapping turtle"  
*Emydoidea blandingii*, "Blandings turtle"  
*Terrapene ornata*, "ornate box turtle"

2. Special Concern

*Thamnophis proximus*, "western ribbonsnake"  
*Thamnophis radix*, "plains gartersnake"  
*Farancia abacura*, "red-bellied mudsnake"  
*Opheodrys aestivus*, "rough greensnake"  
*Terrapene carolina*, "eastern box turtle"

D. AMPHIBIANS

1. Endangered

*Cryptobranchus alleganiensis*, "eastern hellbender"  
*Pseudotriton ruber*, "red salamander"  
*Aneides aeneus*, "green salamander"  
*Ambystoma talpoideum*, "mole salamander"  
*Lithobates areolatus*, "crawfish frog"  
*Lithobates blairi*, "plains leopard frog"

2. Special Concern

*Necturus maculosus*, "mudpuppy"  
*Ambystoma laterale*, "blue-spotted salamander"  
*Ambystoma barbouri*, "streamside salamander"  
*Hemidactylium scutatum*, "four-toed salamander"  
*Acris blanchardi*, "Blanchard's cricket frog"

E. FISH

1. Endangered

*Ichthyomyzon fossor*, "northern brook lamprey"  
*Acipenser fulvescens*, "lake sturgeon"  
*Clinostomus elongatus*, "reidside dace"  
*Hybopsis amnis*, "pallid shiner"  
*Moxostoma valenciennesi*, "greater redhorse"  
*Amblyopsis hoosieri*, "Hoosier cavefish"  
*Lepomis symmetricus*, "bantam sunfish"  
*Etheostoma variatum*, "variegated darter"  
*Percina copelandi*, "channel darter"  
*Percina evides*, "gilt darter"

2. Special Concern

*Anguilla rostrata*, "American eel"  
*Notropis anogenus*, "pugnose shiner"  
*Notropis dorsalis*, "bigmouth shiner"  
*Rhinichthys cataractae*, "longnose dace"  
*Noturus stigmosus*, "northern madtom"  
*Coregonus artedii*, "cisco"  
*Percopsis omiscomaycus*, "trout-perch"  
*Cottus cognatus*, "slimy sculpin"  
*Elassoma zonatum*, "banded pygmy sunfish"

*Ammocrypta clara*, "western sand darter"  
*Etheostoma maculatum*, "spotted darter"  
*Atractosteus spatula*, "Alligator Gar"

**F. MOLLUSKS AND CRUSTACEANS**

1. Endangered

*Quadrula cylindrica cylindrica*, "rabbitsfoot"  
*Plethobasus cyphus*, "sheepnose"  
*Pleurobema clava*, "clubshell"  
*Cyprogenia stegaria*, "fanshell"  
*Epioblasma triquetra*, "snuffbox"  
*Potamilus capax*, "fat pocketbook"  
*Pleurobema plenum*, "rough pigtoe"  
*Epioblasma obliquata perobliqua*, "white catspaw"  
*Epioblasma torulosa rangiana*, "northern riffleshell"  
*Villosa fabalis*, "rayed bean"  
*Obovaria subrotunda*, "round hickorynut"

2. Special Concern

*Simpsonaias ambigua*, "salamander mussel"  
*Pleurobema cordatum*, "Ohio pigtoe"  
*Lampsilis fasciola*, "wavyrayed lampmussel"  
*Villosa lienosa*, "little spectaclecase"  
*Campeloma decisum*, "pointed campeloma"  
*Lymnaea stagnalis*, "swamp lymnaea"  
*Toxolasma lividum*, "purple lilliput"  
*Ptychobranthus fasciolaris*, "kidneyshell"  
*Alasmidonta viridis*, "Slippershell Mussel"  
*Elliptio crassidens*, "Elephantear"  
*Eurynia dilatata*, "Spike"  
*Lampsilis ovata*, "Pocketbook"  
*Ligumia recta*, "Black Sandshell"  
*Reginaia ebena*, "Ebonysell"  
*Toxolasma texasiense*, "Texas Lilliput"  
*Villosa iris*, "Rainbow"

**IV. INSECTS**

1. Extirpated: An insect is considered state extirpated if any of the following three conditions occur: (a) A species is declared extirpated by a specialist for the species, family, or order to which the insect belongs. (b) A species has not been located in Indiana as a naturally occurring breeding population for more than 15 years, but the species exists outside Indiana as a wild population. (c) A species appears on a federal list as being extirpated in Indiana. Applying this standard, the following species are believed extirpated in Indiana:

Ephemeroptera (Mayflies)

*Pentagenia robusta*, "robust pentagenian burrowing mayfly"

Odonata (Dragonflies; Damselflies)

*Somatochlora hineana*, "Hine's emerald"

Neuroptera (Lacewings; Antlions; Owlflies; Snakeflies)

*Polystoechotes punctatus*, "a giant lacewing"

Coleoptera (Beetles)

*Nicrophorus americanus*, "American burying beetle"

Lepidoptera (Butterflies; Skippers)

*Callophrys polios*, "hoary elfin"

*Chlosyne gorgone carlota*, "Gorgone checkerspot"

*Enodia creola*, "Creole pearly-eye"

*Lycaena dione*, "gray copper"

*Lycaena epixanthe*, "bog copper"

*Oarisma powesheik*, "Powesheik skipperling"

*Speyeria diana*, "Diana fritillary"

Lepidoptera (moths)

*Papaipema eryngii*, "rattlesnake-master borer moth"

2. Endangered: An insect species is considered state endangered if its prospects for survival or recruitment within Indiana are in immediate jeopardy, and is in danger of disappearing from the state, where any of the following three conditions occur: (a) A species which may occur in Indiana is classified as endangered by the

federal government. (b) A species is biologically dependent on a threatened or endangered plant species. (c) A species is known from fewer than five sites in Indiana.

An insect is also considered endangered if the insect is listed as extirpated but is later rediscovered in Indiana, whether the population is endemic or believed to be recently adventive. The discovery of any life stage of an extirpated or endangered species is fiduciary evidence that a population exists.

An endangered species of insect does not include any of the following: (a) A species that is not known as a population in Indiana but which ranges into the state from Michigan, Ohio, Illinois, or Kentucky. (b) A nonregulated adventive species. (c) A species regulated under [IC 14-24](#) and [312 IAC 18-3](#) (including a species used for biological control).

Applying this standard, the following insect species are listed as endangered:

Collembola (Springtails)

- Anurida harti, "Hart's springtail"
- Arrhopalites bimus, "springtail"
- Arrhopalites whitesidei, "Whiteside's Springtail"
- Folsomides americanus, "small springtail"
- Hypogastrura lucifuga, "Wyandotte Cave springtail"
- Isotoma truncata, "truncated springtail"
- Pseudosinella aera, "a cave obligate springtail"
- Pseudosinella argentea, "a springtail"
- Sinella avita, "ancestral springtail"
- Sinella barri, "Barr's Cave springtail"

Diplura (Two-pronged bristletails)"

- Campodea plusiochaeta, "a dipluran"

Ephemeroptera (Mayflies)

- Attenella attenuata, "tapered spiny crawler mayfly"
- Cercobrachys etowah, "etowah small square-gilled mayfly"
- Drunella walkeri, "Walker's spiny crawler mayfly"
- Epeorus pleuralis, "quill gordon flat-headed mayfly"
- Ephemera varia, "varied burrowing mayfly"
- Ephemerella subvaria, "Hendrickson's spiny crawler mayfly"
- Eurylophella bicolor, "bicolor spiny crawler mayfly"
- Eurylophella lutulenta, "dirty spiny crawler mayfly"
- Heptagenia pulla, "dusky flat-headed mayfly"
- Homoeoneuria ammophila, "a sand-filtering mayfly"
- Nixe lucidipennis, "clear-winged flat-headed mayfly"
- Pseudiron centralis, "a mayfly"
- Serratella frisoni, "Frison's serratellan mayfly"
- Serratella serrata, "little sooty olive"
- Siphonurus alternatus, "northern primitive minnow mayfly"
- Siphonurus minnoi, "Minno's primitive minnow mayfly"
- Sparbarus lacustris, "lacustrine small square-gilled mayfly"
- Sparbarus maculatus, "maculated small Square-gilled mayfly"
- Sparbarus nasutus, "large-nosed small square-gill mayfly"
- Spinadis simplex, "Wallace's deepwater mayfly"
- Stenacron carolina, "Carolina flat-headed mayfly"
- Traverella lewisi, "Lewis's prong-gilled mayfly"

Odonata (Dragonflies; Damselflies)

- Aeshna canadensis, "Canada darner"
- Aeshna clepsydra, "mottled darner"
- Arigomphus cornutus, "horned clubtail"
- Arigomphus furcifer, "lily pad clubtail"
- Arigomphus lentulus, "stillwater clubtail"
- Calopteryx aequabilis, "river jewelwing"
- Calopteryx angustipennis, "Appalachian jewelwing"
- Celithemis verna, "double-ringed pennant"
- Cordulegaster diastatops, "delta-spotted spiketail"
- Cordulegaster erronea, "tiger spiketail"
- Dorocordulia libera, "racket-tailed emerald"
- Epitheca canis, "beaverpond baskettail"
- Epitheca spinigera, "spiny baskettail"
- Gomphus hybridus, "cocoa clubtail"

- Ischnura prognata, "furtive forktail"
- Macromia wabashensis, "Wabash River cruiser"
- Nannothemis bella, "dwarf skimmer"
- Nehalennia gracilis, "sphagnum sprite"
- Neurocordulia molesta, "smoky shadowdragon"
- Somatochlora ensigera, "lemon-faced emerald"
- Stylogomphus sigmastylus, "least clubtail"
- Stylurus laurae, "Laura's clubtail"
- Stylurus notatus, "elusive clubtail dragonfly"
- Stylurus scudderi, "zebra clubtail"
- Homoptera (Cicadas; Hoppers; Scales; Aphids)
  - Chlorotettix dentatus, "toothed chlorotettix leafhopper"
  - Cicadula ciliata, "fringed sedge leafhopper"
  - Cosmotettix delector, "Charming Universal leafhopper"
  - Destria fumida, "smoky right-hand leafhopper"
  - Eutettix pictus, "decorated oak leafhopper"
  - Eutettix tristis, "sorrowful oak leafhopper"
  - Fitchiella robertsonii, "Robertson's flightless planthopper"
  - Graminella mohri, "Mohr's switchgrass leafhopper"
  - Graminella oquaka, "yellow bunchgrass leafhopper"
  - Kansendria kansiensis, "Kansas bluestem leafhopper"
  - Lepyronia gibbosa, "hill-prairie spittlebug"
  - Limotettix elegans, "elegant limotettix leafhopper"
  - Limotettix nigrax, "smoky limotettix leafhopper"
  - Limotettix osborni, "Osborn's limotettix leafhopper"
  - Limotettix parallelus, "striped limotettix leafhopper"
  - Mesamia stramineus, "helianthus leafhopper"
  - Paraphlepsius lupalus, "Hamilton's dune paraphlepsius"
  - Paraphlepsius particolor, "multi-colored Paraphlepsius leafhopper"
  - Paraphlepsius supinus, "indolent paraphlepsius leafhopper"
  - Paraphlepsius umbellatus, "sunshade paraphlepsius leafhopper"
  - Paraphlepsius umbrosus, "shadow paraphlepsius leafhopper"
  - Pendarus magnus, "great cordgrass pendarus leafhopper"
  - Polyamia brevipennis, "short-winged polyamia"
  - Polyamia dilata, "the short-winged panic grass leafhopper"
  - Prairiana angustens, "fearful Prairiana leafhopper"
  - Prairiana kansana, "the Kansas prairie leafhopper"
  - Rosenus cruciatus, "tortured junegrass leafhopper"
  - Texananus areolatus, "the ivory Texan leafhopper"
- Orthoptera (Grasshoppers; Locusts; Crickets)
  - Leptysma marginicollis, "cattail toothpick grasshopper"
  - Melanoplus borealis, "northern spur-throat grasshopper"
  - Melanoplus impudicus, "immodest spur-throat grasshopper"
  - Melanoplus islandicus, "forest locust"
  - Stethophyma gracile, "northern sedge locust"
- Coleoptera (Beetles)
  - Batrissodes hairstoni, "cave beetle"
  - Cicindela marginipennis, "cobblestone tiger beetle"
  - Lissobiops serpentinus, "a rove beetle"
  - Pseudanophthalmus barri, "cave beetle"
  - Pseudanophthalmus emersoni, "cave beetle"
  - Pseudanophthalmus eremita, "cave beetle"
  - Pseudanophthalmus jeanneli, "cave beetle"
  - Pseudanophthalmus leonae, "cave beetle"
  - Pseudanophthalmus shilohensis, "cave beetle"
  - Pseudanophthalmus shilohensis mayfieldensis, "Monroe cave ground beetle"
- Mecoptera (Scorpionflies)
  - Merope tuber, "earwig scorpionfly"
- Trichoptera (Caddisflies)
  - Goera stylata, "a northern casemaker caddisfly"
  - Homoplectra doringa, "a homoplectran caddisfly"

*Pycnopsyche rossi*, "a northern casemaker caddisfly"

*Setodes oligius*, "a caddisfly"

Plecoptera (Stoneflies)

*Acroneuria covelli*, "Covell's stonefly"

*Acroneuria hitchcocki*, "Kentucky stone"

*Acroneuria lycorias*, "boreal stonefly"

*Acroneuria ozarkensis*, "Ozark stone"

*Agnetina annulipes*, "southern stone"

*Allocapnia illinoensis*, "Illinois snowfly"

*Isogenoides varians*, "Rock Island springfly"

*Isoperla frisoni*, "Wisconsin stripetail"

*Leuctra alta*, "Alta needelfly"

*Leuctra tenuis*, "narrow-lobed needelfly"

*Neoperla coosa*, "Coosa stone"

*Neoperla osage*, "Osage stone"

*Paracapnia angulata*, "angulate snowfly"

*Perlesta golconda*, "two-lined stone"

*Perlesta shawnee*, "Shawnee stone"

*Perlesta xube*, "Pawnee stone"

*Pteronarcys dorsata*, "American salmonfly"

Lepidoptera (Butterflies; Skippers)

*Amblyscirtes belli*, "Bell's roadside-skipper"

*Autochton cellus*, "Gold-banded Skipper"

*Boloria selene nebraskensis*, "the Nebraska silver bordered fritillary"

*Callophrys irus*, "frosted elfin"

*Celastrina neglectamajor*, "Appalachian blue"

*Celastrina nigra*, "dusky azure"

*Chlosyne harrisii*, "Harris's checkerspot"

*Erynnis lucilius*, "columbine duskywing"

*Erynnis persius persius*, "Persius dusky wing"

*Glaucopsyche lygdamus couperi*, "silvery blue"

*Hesperia ottoe*, "Ottoe skipper"

*Lethe creola*, "Creole pearly-eye"

*Lethe eurydice fumosus*, "smoky-eyed Brown"

*Lycaeides melissa samuelis*, "Karner blue"

*Lycaena dorcas dorcas*, "Dorcas copper"

*Neonympha mitchellii mitchellii*, "Mitchell's satyr"

*Pieris oleracea*, "eastern veined white"

*Speyeria idalia*, "regal fritillary"

Lepidoptera (moths)

*Aethes patricia*

*Apamea lutosa*, "opalescent apamea"

*Catocala abbreviatella*, "the abbreviated leadplant underwing moth"

*Catocala amestris*, "the leadplant underwing moth"

*Catocala antinympha*, "the sweet fern underwing"

*Catocala marmorata*, "marbled underwing moth"

*Cochylis ringsi*, "Rings' cochylid moth"

*Exyra rolandiana*, "Pitcher window moth"

*Hystrichophora loricana*, "an elethreutine moth"

*Macrochilo bivitata*, "two-striped cord grass moth"

*Melanchra assimilis*, "the shadowy arches"

*Metarranthis apiciaria*, "barrens metarranthis moth"

*Oligia obtusa*, "a noctuid moth"

*Papaipema appassionata*, "the pitcher plant borer moth"

*Phytometra ernestiana*, "Ernestine's moth"

*Pyla arenaeola*, "a pyralid moth"

*Resapamea stipata*, "the four-lined cordgrass borer"

*Schinia indiana*, "phlox moth"

*Schinia jaguarina*, "jaguar flower moth"

*Schinia lucens*, "leadplant flower moth"

*Sciota dammersi*, "leadplant leafwebber moth"

Diptera (Flies)

*Mydas brunneus*, "the golden mydas fly"

Hymenoptera (Bees)

*Andrena uvulariae*, "a mining bee"

*Anthophorula asteris*

*Bombus affinis*, "rusty-patched bumble bee"

*Bombus bohemicus*, "gypsy cuckoo bumble bee"

*Bombus fraternus*, "southern plains bumble bee"

*Coelioxys obtusiventris*

*Dieunomia nevadensis*

*Dufourea novaeangliae*

*Epeolus americanus*

*Hoplitis nemophilae*

*Lasioglossum pectinatum*

*Melissodes tincta*

*Osmia illinoensis*

*Stelis aff. grossa*, "a bee"

*Svastra compta*

*Trachusa zebrata*

*Triepeolus distinctus*

*Xeromelecta interrupta*

3. Threatened: A state threatened species is one which is likely to become endangered within the foreseeable future, where any of the following three conditions occur:

(a) A species which occurs in Indiana is classified as threatened by the federal government.

(b) A species is biologically dependent upon a rare or threatened plant species.

(c) A species is known from six to 10 sites in Indiana.

The discovery of a single life stage in situ is fiduciary evidence that a population exists. A threatened species does not include accidentals, adventive nonregulated species, nor any species subject to [IC 14-24](#) and [312 IAC 18-3](#) (including a species used for biological control).

Applying this standard, the following insect species are listed as threatened:

Collembola (Springtails)

*Arrhopalites ater*, "Black Medusa Cave springtail"

*Arrhopalites lewisi*, "Lewis' cave springtail"

*Pseudosinella fonsa*, "Fountain Cave springtail"

Ephemeroptera (Mayflies)

*Camelobaetidium waltzi*, "Waltz's small minnow mayfly"

*Cercobrachys fox*, "Fox small square-gilled mayfly"

*Epeorus namatus*, "Leonard Springs flat-headed mayfly"

*Heterocloeon curiosum*, "curious small minnow mayfly"

*Homoeoneuria ammophila*, "sand-loving brush-legged mayfly"

*Isonychia arida*, "arid howdy mayfly"

*Maccaffertium meririvulanum*, "fresh flat-headed mayfly"

*Nixe flowersi*, "Flowers's flat-headed mayfly"

*Paraleptophlebia adoptiva*, "angler's Prong-gilled mayfly"

*Paraleptophlebia guttata*, "dappled prong-gilled mayfly"

*Paraleptophlebia mollis*, "soft prong-gilled mayfly"

*Paraleptophlebia sticta*, "Burks's pring-gilled mayfly"

*Paraleptophlebia strigula*, "streaky prong-gilled mayfly"

*Serratella serratoides*, "spot-bellied spiny crawler mayfly"

*Siphloplecton interlineatum*, "flapless cleft-footed minnow mayfly"

*Tortopsis primus*, "Manitoba white burrowing mayfly"

Odonata (Dragonflies; Damselflies)

*Aeshna tuberculifera*, "black-tipped darner"

*Anax longipes*, "comet darner"

*Enallagma annexum*, "northern bluet"

*Enallagma boreale*, "boreal bluet"

*Erpetogomphus designatus*, "eastern ringtail"

*Gomphus crassus*, "handsome clubtail"

*Gomphus lineatifrons*, "splendid clubtail"

*Gomphus quadricolor*, "rapids clubtail"

*Gomphus spicatus*, "dusky clubtail"



- Gomphus ventricosus, "skillet clubtail"
- Gomphus viridifrons, "green-faced clubtail"
- Ischnura kellicotti, "lilypad forktail"
- Leucorrhinia frigida, "frosted whiteface"
- Macromia pacifica, "gilded river cruiser"
- Neurocordulia obsoleta, "umber shadowdragon"
- Neurocordulia yamaskanensis, "stygian shadowfly"
- Rhionaeschna mutata, "spatterdock darner"
- Stylurus amnicola, "riverine clubtail"
- Sympetrum danae, "black meadowhawk"
- Orthoptera (Grasshoppers; Locusts; Crickets)
  - Eritettix simplex, "the velvet-stripe grasshopper"
  - Paroxya atlantica, "a grasshopper"
  - Paroxya hoosieri, "Hoosier locust"
  - Phoetaliotes nebrascensis, "large-headed grasshopper"
  - Pseudopomala brachyptera, "bunch grass locust"
  - Stethophyma lineatum, "striped sedge grasshopper"
  - Trimerotropis maritima, "the dune locust"
- Homoptera (Cicadas; Hoppers; Scales; Aphids)
  - Cicadula straminea, "Straw-colored sedge leafhopper"
  - Eutettix luridus, "colorful oak leafhopper"
  - Flexamia pyrops, "the long-nose three-awn leafhopper"
  - Lepyronia angulifera, "angular spittlebug" Limotettix divaricatus
  - Memnonia panzeri, "Panzer's shovelhead leafhopper"
  - Neohecalus magnificus, "magnificent red-striped cordgrass leafhopper"
  - Paraphilaenus paralellus, "a spittle bug"
  - Paraphlepsius carolinus, "Carolina paraphlepsius leafhopper"
  - Paraphlepsius maculosus, "peppered paraphlepsius leafhopper"
  - Paraphlepsius nebulosus, "cloudy paraphlepsius leafhopper"
  - Polyamia herbida, "the prairie panic grass leafhopper"
  - Texananus rufusculus, "reddish Texan leafhopper"
- Neuroptera (Lacewings; Antlions; Owlflies; Snakeflies)
  - Climacia sp 1, "a spongilla fly"
  - Lomamyia banksi, "a beaded lacewing"
  - Lomamyia flavicornis, "a beaded lacewing"
  - Nallachus americanus, "a pleasing lacewing"
  - Sisyra sp 1, "Indiana spongilla fly"
- Coleoptera (Beetles)
  - Dryobius sexnotatus, "maple dryobius"
  - Necrophilus pettiti, "a carrion beetle"
- Mecoptera (Scorpionflies)
  - Boreus sp 1, "Virginia snow scorpionfly"
- Trichoptera (Caddisflies)
  - Agapetus gelbae, "an agapetus caddisfly"
  - Agapetus illini, "an agapetus caddisfly"
  - Diplectrona metaqui, "a diplectronan caddisfly"
- Lepidoptera (Butterflies; Skippers)
  - Euphyes bimacula, "two-spotted skipper"
  - Lethe appalachia appalachia, "Appalachian eyed brown"
  - Lethe appalachia leeuwi, "Appalachian eyed brown"
  - Poanes viator viator, "big broad-winged skipper"
  - Problema byssus, "bunchgrass skipper"
  - Thorybes confusus, "eastern cloudywing"
- Lepidoptera (moths)
  - Agrotis stigmosa, "spotted dart moth"
  - Apamea apamiformis, "rice worm moth"
  - Apamea burgessi, "a noctuid moth"
  - Apamea lignicolora, "the wood-colored apamea"
  - Apamea relicina, "a noctuid moth"
  - Apamea verbascoides, "the boreal apamea"
  - Bellura densa, "a noctuid moth"

*Capis curvata*, "a noctuid moth"  
*Capsula laeta*, "red sedge borer"  
*Caradrina meralis*, "the rare sand Quaker"  
*Catocala insolabilis*, "the inconsolable underwing"  
*Cryptocala acadensis*, "catocaline dart"  
*Dargida rubripennis*, "the pink streak"  
*Dichagyris acclivis*, "a noctuid moth"  
*Dichagyris grotei*, "Grote's black-tipped Quaker"  
*Eosporopteryx thyatyroides*, "pinkpatched looper moth"  
*Ethmia monticola fuscidepella*, "a moth"  
*Eucrotopcnemis fimbriaris*, "a noctuid moth"  
*Euxoa aurulenta*, "dune cutworm"  
*Fagitana littera*, "the marsh fern moth"  
*Hadena ectypa*, "the starry champion moth"  
*Hemileuca nevadensis* ssp. 3, "Midwestern fen buckmoth"  
*Hemipachnobia monochromatea*, "the purple sundew moth"  
*Hypocoena inquinata*, "tufted sedge moth"  
*Leucania scirpicola*, "scirpus wainscot moth"  
*Lytrosis permagnaria*, "a lytrosis moth"  
*Macrochilo louisiana*, "Louisiana macrochilo"  
*Meropleon ambifuscum*, "Newman's brocade"  
*Neodactria murellus*, "prairie sedge moth"  
*Notodonta scitipennis*, "finned-willow prominent"  
*Oligia bridghami*, "a noctuid moth"  
*Oncocnemis riparia*, "the dune oncocnemis moth"  
*Pangrapta decoralis*, "the multicolored huckleberry moth"  
*Papaipema astuta*, "the stoneroot borer moth"  
*Papaipema beeriana*, "Beer's blazing star borer moth"  
*Papaipema cerina*, "golden borer moth"  
*Papaipema leucostigma*, "columbine borer"  
*Papaipema maritima*, "the giant sunflower borer moth"  
*Papaipema polymniae*, "the cup plant borer moth"  
*Papaipema sciata*, "the Culver's root borer"  
*Papaipema silphii*, "silphium borer moth"  
*Papaipema speciosissima*, "the royal fern borer moth"  
*Phalaenostola hanhami*, "Hanham's rare sedge moth"  
*Photedes ervata*, "the many-lined cordgrass moth"  
*Photedes includens*, "the included cordgrass borer"  
*Photedes panatela*, "northern cordgrass borer"  
*Pyrrhia aurantiago*, "false-foxglove sun moth"  
*Sitochroa dasconalis*, "pearly indigo borer"  
*Sympistis riparia*, "the dune ocoocnemis moth"  
*Tampa dimediatella*, "red-striped panic grass moth"  
*Tricholita notata*, "marked noctuid"  
Diptera (Flies)  
*Mydas tibialis*, "golden legged mydas fly"  
Hymenoptera (Bees)  
*Agapostemon texanus*  
*Andrena heraclei*  
*Andrena macra*  
*Anthidiellum notatum*  
*Anthidium psoraleae*  
*Anthophora bomboides*  
*Anthophora walshii*  
*Ashmeadiella buconis*  
*Bombus vagans*, "half-black bumble bee"  
*Calliopsis nebraskensis*  
*Cemolobus ipomoeae*  
*Coelioxys banksi*  
*Coelioxys funeraria*  
*Coelioxys hunteri*

Coelioxys immaculata  
Colletes aberrans  
Colletes aestivalis  
Colletes brevicornis, "a cellophane bee"  
Colletes robertsonii  
Colletes solidaginis  
Dianthidium simile  
Dieunomia triangulifera  
Dufourea monardae  
Epeolus bifasciatus  
Epeolus canadensis  
Epeolus scutellaris  
Hesperapis carinata  
Hoplitis spoliata  
Hylaeus annulatus, "a yellow masked bee"  
Hylaeus verticalis, "a yellow-masked bee"  
Lasioglossum albipenne, "a sweat bee"  
Lasioglossum apocyni  
Lasioglossum cephalotes  
Lasioglossum lionotum, "smooth-backed sweat bee"  
Lasioglossum michiganense  
Lasioglossum nelumbonis  
Lasioglossum nigroviride, "shiny black-bellied sweat bee"  
Lasioglossum paradmirationum  
Lasioglossum pruinatum  
Lasioglossum taylorae, "Taylor's sweat bee"  
Megachile albitarsis  
Megachile fortis  
Megachile integra  
Megachile rugifrons  
Melissodes tepaneca  
Melissodes vernoniae  
Melissodes wheeleri  
Nomada rubicunda  
Nomada superba  
Nomada texana  
Nomada tiftonensis  
Nomada vegana  
Nomada vicina  
Nomada vineta  
Osmia subfasciata  
Paranthidium jugatorium  
Perdita halictoides  
Protandrena bancrofti  
Pseudopanurgus rudbeckiae  
Sphecodes antennariae  
Sphecodes davisii  
Sphecodes fattigi  
Sphecodes illinoensis  
Sphecodes minor  
Sphecodes pycnanthemii  
Sphecodes ranunculi  
Stelis coarctatus  
Svastra atripes  
Triepeolus helianthi  
Triepeolus michiganensis  
Triepeolus nevadensis  
Triepeolus rufithorax  
Xenoglossa kansensis

4. Rare: A state rare insect species is a species where problems of limited abundance or distribution in Indiana are known or reasonably suspected including the following:

(a) A species that is known to be rare in Michigan, Ohio, Illinois, or Kentucky.

(b) A species that is biologically dependent upon a rare plant species.

A rare species references an established population. A rare species does not include accidentals, adventive nonregulated species, or other species regulated under [IC 14-24](#) and [312 IAC 18-3](#) (including species used for biological control).

Applying this standard, the following species are listed as rare:

Collembola (Springtails)

*Pseudosinella collina*, "hilly springtail"

Odonata (Dragonflies; Damselflies)

*Chromagrion conditum*, "aurora damsel"

*Cordulegaster maculata*, "twin-spotted spiketail"

*Cordulegaster obliqua*, "arrowhead spiketail"

*Enallagma divagans*, "turquoise bluet"

*Gomphus externus*, "Plains clubtail"

*Hagenius brevistylus*, "dragonhunter"

*Hetaerina titia*, "smoky rubyspot"

*Ladona julia*, "chalk-fronted skimmer"

*Nehalennia irene*, "sedge sprite"

*Ophiogomphus rupinsulensis*, "rusty snaketail"

*Somatochlora tenebrosa*, "clamp-tipped emerald"

*Sympetrum semicinatum*, "band-winged meadowhawk"

Orthoptera (Grasshoppers; Locust; Crickets)

*Chloealtis conspersa*, "sprinkled locust"

*Conocephalus saltans*, "prairie meadow katydid"

*Hesperotettix viridis*, "cattail toothpick grasshopper"

*Hesperotettix viridis pratensis*, "snakeweed grasshopper"

*Melanoplus confusus*, "pasture spur-throat grasshopper"

*Melanoplus decoratus*, "decorated melanoplus"

*Melanoplus fasciatus*, "huckleberry spur-throat grasshopper"

*Melanoplus gracilis*, "graceful spur-throated grasshopper"

*Melanoplus keeleri luridus*, "Keeler's spur-throated grasshopper"

*Melanoplus punctulatus*, "grizzly spur-throat grasshopper"

*Melanoplus rotundipennis*, "round-winged spur-throat grasshopper"

*Melanoplus tepidus*, "the fearful barrens locust"

*Melanoplus viridipes viridipes*, "green-legged spur-throat grasshopper"

*Melanoplus walshii*, "Walsh's locust"

*Neoconocephalus exiliscanorus*, "a katydid"

*Neoconocephalus nebrascensis*, "a katydid"

*Orphulella pelidna*, "green desert grasshopper"

*Orphulella speciosa*, "pasture locust"

*Pardalophora phoenicoptera*, "orange-winged grasshopper"

*Psinidia fenestralis*, "sand locust"

Homoptera (Cicadas; Hoppers; Scales; Aphids)

*Bruchomorpha dorsata*

*Bruchomorpha extensa*, "the long-nosed elephant hopper"

*Bruchomorpha oculata*

*Chlorotettix borealis*, "a leafhopper"

*Cicadetta calliope*, "small prairie cicada"

*Chlorotettix dentatus*

*Chlorotettix distinctus*, "distinct chlorotettix leafhopper"

*Chlorotettix fallax*, "a leafhopper"

*Chlorotettix fumidus*, "smoky chlorotettix leafhopper"

*Chlorotettix iridescens*, "iridescent chlorotettix leafhopper"

*Chlorotettix limosus*, "swamp chlorotettix leafhopper"

*Chlorotettix lusorius*, "playful chlorotettix leafhopper"

*Chlorotettix obsenus*, "indecent chlorotettix leafhopper"

*Chlorotettix smodix*, "deformed chlorotettix leafhopper"

*Chlorotettix vacuna*, "the vacant chlorotettix"

*Cosmotettix bilineatus*, "two-lined cosmotettix"

*Cosmotettix luteocephalus*, "cream-headed Universal leafhopper"

*Cribrus shingwauki*, "two-striped perforated leafhopper"

- Deltocephalus balli, "Ball's meadow leafhopper"
- Dorydiella kansana, "Kansas spikerush leafhopper"
- Eutettix marmoratus, "marbled oak leafhopper"
- Flexamia clayi, "Clay's flexamia leafhopper"
- Flexamia delongi, "DeLong's flexamia leafhopper"
- Flexamia reflexus, "Indiangrass flexamia"
- Graminella aureovittata, "red-banded switchgrass leafhopper"
- Graminella pallidula, "pallid graminella leafhopper"
- Graminella villica, "Governess leafhopper"
- Hecalus major, "major shovelhead leafhopper"
- Hecalus viridis, "bright-green shovelhead leafhopper"
- Laevincephalus acus, "pointed fen laevincephalus"
- Limotettix arctostaphyli, "bearberry limotettix leafhopper"
- Limotettix bisoni, "Bison limotettix leafhopper"
- Limotettix ferganensis, "Fergan's limotettix leafhopper"
- Limotettix pseudosphagneticus, "false sphagnum limotettix leafhopper"
- Limotettix truncatus, "short-headed limotettix leafhopper"
- Limotettix urnura, "Hamilton's alvar limotettix leafhopper"
- Paraphlepsius electus, "chosen paraphlepsius leafhopper"
- Paraphlepsius lascivius, "playful paraphlepsius leafhopper"
- Paraphlepsius latifrons, "broad-faced paraphlepsius leafhopper"
- Paraphlepsius lobatus, "lobed paraphlepsius leafhopper"
- Paraphlepsius operculatus, "lidded paraphlepsius leafhopper"
- Paraphlepsius solidaginis, "goldenrod Pparaphlepsius leafhopper"
- Philaenarcys killa, "Great Lakes dune spittlebug"
- Polyamia caperata, "little bluestem polyamia"
- Prosapia ignipectus, "red-legged spittle bug"
- Scaphoideus ochraecleus, "a leafhopper"
- Texananus longipennis, "long-winged Texan leafhopper"
- Texananus majestus, "Borrer's lowanus leafhopper"
- Coleoptera (Beetles)
  - Atheta troglaphila
  - Cicindela patruela, "a tiger beetle"
  - Dynastes tityus, "eastern Hercules beetle"
  - Ochthebius putnamensis, "Indiana ochthebius minute moss beetle"
  - Pseudanophthalmus chthonius, "cave beetle"
  - Pseudanophthalmus youngi, "Young's cave ground beetle"
  - Stenelmis douglasensis, "Douglas stenelmis riffle beetle"
- Trichoptera (Caddisflies)
  - Nectopsyche pavida, "a longhorned casemaker caddisfly"
- Lepidoptera (Butterflies; Skippers)
  - Aglais milberti, "Milbert's Tortoiseshell"
  - Amblyscirtes aesculapius, "lace-winged roadside-skipper"
  - Atrytonopsis hianna, "dusted skipper"
  - Boloria selene myrina, "silver-bordered fritillary"
  - Calephelis borealis, "northern metalmark"
  - Calephelis muticum, "swamp metalmark"
  - Euchloe olympia, "Olympia marble"
  - Euphyes dukesi dukesi, "Duke's skipper"
  - Hesperia leonardus, "Leonard's skipper"
  - Hesperia metea, "cobweb skipper"
  - Hesperia sassacus, "Indian skipper"
  - Lycena helloides, "purplish copper"
  - Parrhasius m-album, "white-M hairstreak"
  - Pieris virginiensis, "West Virginia white"
  - Polygonia progne, "gray comma"
  - Satyrium favonius ontario, "northern oak hairstreak"
- Lepidoptera (moths)
  - Acleris curvalana, "blueberry leaftier"
  - Acleris semipurpurana, "oak leaftier moth"
  - Acronicta dactylina, "fingered dagger moth"

Acronicta funeralis, "funerary dagger moth"  
Agrotis vetusta, "a moth"  
Anaplectoides prasina, "green arches"  
Ancyliis semiovana  
Apamea nigrior, "black-dashed apamea"  
Bagisara rectificascia, "the rare mallow moth"  
Catocala flebilis, "the black-dashed underwing moth"  
Catocala gracilis, "graceful underwing"  
Catocala praeclara, "praeclara underwing"  
Catocala relictata, "white underwing"  
Catocala sordida, "the huckleberry underwing"  
Chrysanympa formosa, "the huckleberry looper moth"  
Coenochroa bipunctella, "sand dune panic grass moth"  
Coenochroa illibella, "dune panic grass moth"  
Coenophila opacifrons, "plain-faced blueberry dart"  
Crambus bidens, "forked grass-veneer"  
Crambus girardellus, "orange-striped sedge moth"  
Cyclophora pendulinaria, "sweetfern geometer"  
Cycnia collaris, "the unexpected milkweed moth"  
Dasychira cinnamomea, "a moth"  
Dasychira dorsipennata, "pitch pine tussock moth"  
Digrammia eremiata, "the goat's rue kooper"  
Digrammia mellistrigata, "a geometrid moth"  
Eubaphe meridiana, "a moth"  
Eucosma bilineana  
Eucosma bipunctella, "a moth"  
Eucosma giganteana, "giant eucosma"  
Eucosma ochroterminana, "buff-tipped Eucosma"  
Eucosma olivaceana, "Olivaceous eucosma"  
Eucosma ornatula  
Eucosma striatana, "Striated Eucosma"  
Eucosma umbrastriana  
Euxoa albipennis, "white-striped dart"  
Feltia manifesta, "the record keeper moth"  
Gabara subnivosella, "a noctuid moth"  
Grammia anna, "Anna's tiger moth"  
Grammia figurata, "the figured grammia"  
Grammia phyllira, "the sand barrens grammia"  
Hadena capsularis, "The starry champion capsule moth"  
Hemaris gracilis, "the blueberry clearwing sphinx"  
Hemileuca nevadensis, "Nevada buck moth"  
Herpetogramma thestealis, "zigzag herpetogramma moth"  
Himella fidelis, "intractable Quaker moth"  
Homophoberia cristata, "a noctuid moth"  
Hypenodes caducus, "large hypenodes"  
Iodopepla u-album, "white-eyed borer moth"  
Lacinipolia olivacea, "olive arches"  
Lemmeria digitalis, "a noctuid moth"  
Lesmone detrahens, "a moth"  
Leucania amygdalina, "salt marsh wainscot"  
Leucania inermis, "a moth"  
Leucania multilinea, "many-lined wainscot"  
Macalla zelleri, "Zeller's macalla"  
Macaria multilineata, "many-lined angle"  
Macrochilo absorptalis, "slant-lined owlet"  
Macrochilo hypocriticalis, "a noctuid moth"  
Melanomma auricinctaria, "huckleberry eye-spot moth"  
Melipotis jucunda, "a noctuid moth"  
Meropleon diversicolor, "a noctuid moth"  
Metanema determinata, "dark metanema"  
Metanema inatomaria, "pale metanema"

Monoleuca semifascia, "the zig-zag monoleuca"  
Nola cilicoides, "blurry-patched Nola moth"  
Nola pustulata, "sharp-blotched moth"  
Odontosia elegans, "elegant prominent"  
Paectes abrostolella, "the barren paectes moth"  
Pagara simplex, "mouse-colored lichen moth"  
Panthea furcilla, "eastern panthea moth"  
Papaipema harrisi, "heracleum stem borer moth"  
Papaipema limpida, "the ironweed borer moth"  
Papaipema lysimachiae, "The St. John's wort borer moth"  
Papaipema marginidens, "the brick red borer moth"  
Papaipema rigida, "a borer moth"  
Papaipema rutila, "the mayapple borer moth"  
Parasa indetermina, "a moth"  
Pelochrista alboguttana, "a moth"  
Peoria gemmatella, "gemmed cordgrass borer"  
Peoria tetradella  
Photodes inops, "spartina borer moth"  
Plagodis kuetzingi, "purple plagodis"  
Protorthodes incincta, "Saturn quaker"  
Pygarctia spraugei, "sprague's pygartic"  
Pyrausta laticlavia, "the southern purple mint moth"  
Pyreferra ceromatica, "annointed sallow moth"  
Pyreferra citrombra, "citrine sallow"  
Pyreferra hesperidago, "mustard sallow"  
Pyreferra pettiti, "a noctuid moth"  
Schinia septentrionalis, "a noctuid moth"  
Scirpophaga perstrialis, "reed-boring crambid moth"  
Sonia fulminana  
Sphinx luscitiosa, "the luscious willow sphinx"  
Spilosoma latipennis, "the red-legged tussock moth"  
Sympistis infixa, "broad-lined sallow moth"  
Ufeus plicatus, "folded satyr"  
Virbia opella, "tawny virbia"  
Xestia youngii, "Young's blueberry dart"  
Zomaria interruptolineana, "broken-lined zomaria"  
Hymenoptera (Bees)  
Andrena carolina  
Andrena duplicata, "a mining bee"  
Andrena polemonii  
Andrena rudbeckiae  
Coelioxys rufitarsis  
Colletes thoracicus  
Hylaeus fedorica  
Lasioglossum lustrans  
Lasioglossum macoupinense  
Lasioglossum rozeni, "a sweat bee"  
Lasioglossum smilacinae, "mayflower sweat bee"  
Lasioglossum texanum  
Lasioglossum timothyi  
Lasioglossum viridatum  
Megachile dakotensis  
Megachile mucida  
Megachile relativa, "a leaf-cutter bee"  
Osmia virga  
Protandrena cockerelli  
Sphecodes cressonii  
Triepeolus donatus

## V. VASCULAR PLANTS

1. Extirpated: A plant species that is believed to be originally native to Indiana but currently without any

known naturally occurring populations within the state.

Adlumia fungosa, "climbing fumatory"  
Anemone caroliniana, "Carolina anemone"  
Arethusa bulbosa, "swamp-pink"  
Asclepias meadii, "Mead's milkweed"  
Aureolaria grandiflora var. pulchra, "large-flower false-foxglove"  
Botrychium multifidum, "leathery grape-fern"  
Calopogon oklahomensis, "Oklahoma grass-pink"  
Carex pauciflora, "few flower sedge"  
Circaea alpina, "small enchanter's nightshade"  
Coleataenia longifolia ssp. longifolia, "long-leaved panic-grass"  
Corallorhiza trifida var. verna, "early coralroot"  
Dichantherium mattamuskeetense, "a panic-grass"  
Eriophorum spissum, "dense cotton-grass"  
Gymnopogon ambiguus, "broadleaf beardgrass"  
Helianthium tenellum, "little bur-head"  
Hesperostipa comata, "sewing needlegrass"  
Hippuris vulgaris, "common mare's-tail"  
Hypericum frondosum, "golden St. John's-wort"  
Juniperus horizontalis, "creeping juniper"  
Lactuca ludoviciana, "western lettuce"  
Lechea stricta, "upright pinweed"  
Lemna perpusilla, "minute duckweed"  
Lespedeza stuevei, "tall bush-clover"  
Linnaea borealis, "twinflower"  
Oenothera triloba, "stemless evening-primrose"  
Orthilia secunda, "one-sided wintergreen"  
Platanthera dilatata, "leafy white orchis"  
Platanthera hookeri, "Hooker orchis"  
Platanthera orbiculata, "large roundleaf orchid"  
Poa cuspidata, "bluegrass"  
Proboscidea louisianica, "Louisiana unicorn-plant"  
Pseudognaphalium macounii, "winged cudweed"  
Psoralidium tenuiflorum, "few-flowered scurf-pea"  
Pteridium aquilinum var. pseudocaudatum, "bracken fern"  
Pyrola virens, "greenish-flowered wintergreen"  
Rhynchospora fusca, "brown beaked-rush"  
Sabatia campanulata, "slender marsh pink"  
Sagittaria ambigua, "Kansas arrowhead"  
Sceptridium rugulosum, "ternate grapefern"  
Shepherdia canadensis, "Canada buffalo-berry"  
Solidago rupestris, "rock goldenrod"  
Sorbus decora, "northern mountain-ash"  
Sparganium natans "small bur-reed"  
Trautvetteria caroliniensis, "Carolina tassel-rue"  
Veronica americana, "American speedwell"

2. Endangered: A plant species believed to be native to Indiana with five or fewer occurrences in Indiana or that is otherwise currently at the brink of extinction.

Aconitum uncinatum, "blue monkshood"  
Amelanchier humilis, "running serviceberry"  
Arabis patens, "spreading rockcress"  
Aralia hispida, "bristly sarsaparilla"  
Asclepias viridis, "green milkweed"  
Asplenium bradleyi, "Bradley's spleenwort"  
Asplenium montanum, "mountain spleenwort"  
Berberis canadensis, "American barberry"  
Besseyia bullii, "kitten tails"  
Bidens beckii, "Beck's water-marigold"  
Boechera stricta, "Drummond's rockcress"  
Borodinia missouriensis, "Missouri rockcress"  
Botrychium simplex, "least grape-fern"



Brachyelytrum aristosum, "northern shorthusk"  
Buchnera americana, "bluehearts"  
Bumelia lycioides, "buckthorn"  
Calamagrostis porteri ssp. insperata, "reed bent grass"  
Calamagrostis porteri ssp. porteri, "Porter's reedgrass"  
Calla palustris, "wild calla"  
Callirhoe triangulata, "clustered poppy-mallow"  
Calylophus serrulatus, "yellow sundrops"  
Camassia angusta, "wild hyacinth"  
Carex alopecoidea, "foxtail sedge"  
Carex atherodes, "awned sedge"  
Carex atlantica ssp. atlantica, "Atlantic sedge"  
Carex atlantica ssp. capillacea, "Howe sedge"  
Carex aureolensis, "land of gold sedge"  
Carex castanea, "chestnut colored sedge"  
Carex chordorrhiza, "creeping sedge"  
Carex cumulata, "clustered sedge"  
Carex disperma, "softleaf sedge"  
Carex echinata, "little prickly sedge"  
Carex garberi, "elk sedge"  
Carex gigantea, "large sedge"  
Carex gravida, "heavy sedge"  
Carex leptoneura, "finely-nerved sedge"  
Carex limosa, "mud sedge"  
Carex livida, "livid sedge"  
Carex missouriensis, "Missouri sedge"  
Carex oklahomensis, "Oklahoma sedge"  
Carex projecta, "necklace sedge"  
Carex pseudocyperus, "cyperus-like sedge"  
Carex retrorsa, "retorse sedge"  
Carex scabrata, "rough sedge"  
Carex timida, "timid sedge"  
Carex viridistellata, "green star sedge"  
Carya pallida, "sand hickory"  
Castanea dentata, "American chestnut"  
Caulophyllum giganteum, "giant blue cohosh"  
Ceanothus herbaceus, "prairie redroot"  
Chamaelirium luteum, "devil's-bit"  
Chamerion angustifolium, "fireweed"  
Chimaphila umbellata ssp. cisatlantica, "pipsissewa"  
Cimicifuga rubifolia, "Appalachian bugbane"  
Cirsium hillii, "Hill's thistle"  
Cirsium pitcheri, "dune thistle"  
Cladrastis kentukea, "yellowwood"  
Clintonia borealis, "Clinton lily"  
Conioselinum chinense, "hemlock parsley"  
Cornus amomum ssp. amomum, "silky dogwood"  
Cornus canadensis, "bunchberry"  
Corydalis sempervirens, "pale corydalis"  
Crataegus chrysocarpa, "fineberry hawthorn"  
Crataegus iracunda, "Illinois hawthorn"  
Crepidomanes intricatum, "weft fern"  
Croton michauxii var. elliptica, "elliptical rushfoil"  
Cuscuta cuspidata, "cusp dodder"  
Cuscuta indecora, "pretty dodder"  
Cyperus dentatus, "toothed sedge"  
Cyperus houghtonii, "Houghton's nutsedge"  
Cypripedium acaule, "Pink Lady's-slipper"  
Dactylorhiza viridis, "long-bract green orchis"  
Danthonia compressa, "flattened oatgrass"  
Dendrolycopodium dendroideum, "treelike clubmoss"

Dentaria multifida, "divided toothwort"  
Dichanthelium annulum, "a panic-grass"  
Dichanthelium bicknellii, "a panic-grass"  
Dichanthelium commonsianum, "Commons' panic-grass"  
Dichanthelium deamii, "Deam's panic-grass"  
Dichanthelium lucidum, "shining panic-grass"  
Dichanthelium scoparium, "broom panic-grass"  
Dichanthelium subvillosum, "a panic-grass"  
Dichanthelium yadkinense, "a panic-grass"  
Dicliptera brachiata, "wild mudwort"  
Didiplis diandra, "water-purslane"  
Dryopteris celsa, "log fern"  
Dryopteris clintoniana, "Clinton woodfern"  
Echinodorus berteroi, "tall bur-head"  
Echinodorus cordifolius, "creeping bur-head"  
Eleocharis bifida, "glades spikerush"  
Eleocharis equisetoides, "horsetail spikerush"  
Eleocharis microcarpa, "small-fruited spike-rush"  
Eleocharis parvula, "small spike-rush"  
Equisetum sylvaticum, "woodland horsetail"  
Equisetum variegatum var. variegatum, "variegated horsetail"  
Eriocaulon aquaticum, "pipewort"  
Erysimum capitatum, "prairie-rocket wallflower"  
Eurybia schreberi, "Schreber's aster"  
Fallopia cilioides, "fringed black bindweed"  
Fimbristylis annua, "annual fimbry"  
Fimbristylis puberula, "Carolina fimbry"  
Fragaria vesca var. americana, "woodland strawberry"  
Gaura filipes, "slender-stalked gaura"  
Gentiana puberulenta, "downy gentian"  
Gentiana villosa, "striped gentian"  
Geranium bicknellii, "Bicknell northern crane's-bill"  
Geum rivale, "purple avens"  
Gleditsia aquatica, "water-locust"  
Glyceria acutiflora, "sharp-scaled manna-grass"  
Glyceria borealis, "small floating manna-grass"  
Glyceria grandis, "American manna-grass"  
Helianthus angustifolius, "swamp sunflower"  
Hibiscus moscheutos ssp. lasiocarpus, "hairy-fruited hibiscus"  
Hydrocotyle americana, "American water-pennywort"  
Hymenopappus scabiosaeus, "Carolina woollywhite"  
Hypericum adpressum, "creeping St. John's-wort"  
Hypericum gymnanthum, "clasping-leaved St. John's-wort"  
Hypericum swinkianum, "Swink's St. John's-wort"  
Isoetes engelmannii, "Appalachian quillwort"  
Itea virginica, "Virginia willow"  
Juncus articulatus, "jointed rush"  
Juncus militaris, "bayonet rush"  
Juncus pelocarpus, "brown-fruited rush"  
Juncus secundus, "Secund rush"  
Lathyrus japonicus, "beach peavine"  
Lathyrus ochroleucus, "pale vetchling peavine"  
Lathyrus venosus, "smooth veiny pea"  
Leavenworthia uniflora, "Michaux leavenworthia"  
Lechea racemulosa, "Illinois pinweed"  
Lemna gibba, "inflated duckweed"  
Lemna minuta, "least duckweed"  
Lemna valdiviana, "pale duckweed"  
Leptochloa panicoides, "Amazon sprangle-top"  
Liatris pycnostachya, "cattail gay-feather"  
Ligusticum canadense, "nondo lovage"

Limnobiolum spongiosa, "American frog's-bit"  
Linum intercursum, "sandplain flax"  
Lipocarpha drummondii, "Drummond hemicarpha"  
Lithospermum incisum, "narrow-leaved puccoon"  
Lonicera canadensis, "American fly-honeysuckle"  
Ludwigia sphaerocarpa, "globe-fruited false-loosestrife"  
Luzula acuminata var. acuminata, "hairy woodrush"  
Lycopodiella subappressa, "northern appressed bog clubmoss"  
Lycopodiella margueritae, "Marguerite's clubmoss"  
Lycopus amplexans, "sessile-leaved bugleweed"  
Lygodium palmatum, "climbing fern"  
Magnolia acuminata, "cucumber magnolia"  
Magnolia tripetala, "umbrella magnolia"  
Malaxis unifolia, "green adder's-mouth"  
Mecardonia acuminata, "purple mecardonia"  
Melampyrum lineare, "American cow-wheat"  
Melanthium virginicum, "Virginia bunchflower"  
Melica nitens, "three-flower melic grass"  
Mikania scandens, "climbing hempweed"  
Minuartia patula, "Pitcher's stitchwort"  
Monarda bradburiana, "eastern bee-balm"  
Muhlenbergia capillaris, "long-awn hairgrass"  
Muhlenbergia cuspidata, "plains muhlenbergia"  
Myriophyllum pinnatum, "cutleaf water-milfoil"  
Myriophyllum tenellum, "slender water-milfoil"  
Onosmodium hispidissimum, "shaggy false-gromwell"  
Orobanche fasciculata, "clustered broomrape"  
Orobanche riparia, "bottomland broomrape"  
Oryzopsis asperifolia, "white-grained mountain-ricegrass"  
Pachysandra procumbens, "Allegheny spurge"  
Penstemon canescens, "gray beard tongue"  
Penstemon deamii, "Deam beardtongue"  
Penstemon tubaeflorus, "tube penstemon"  
Perideridia americana, "eastern eulophus"  
Persicaria robustior, "stout smartweed"  
Persicaria setacea, "swamp smartweed"  
Phacelia covillei, "buttercup scorpion-weed"  
Phacelia ranunculacea, "blue scorpion-weed"  
Phemeranthus rugospermus, "prairie fame-flower"  
Phlox bifida ssp. stellaria, "cleft phlox"  
Phlox ovata, "mountain phlox"  
Phlox pilosa ssp. deamii, "Deam's phlox"  
Physaria globosa, "Short's bladderpod"  
Piptatherum pungens, "slender mountain-ricegrass"  
Plantago cordata, "heart-leaved plantain"  
Platanthera ciliaris, "Yellow-fringe orchis"  
Platanthera flava var. flava, "southern rein orchid"  
Platanthera leucophaea, "prairie white-fringed orchid"  
Polygala incarnata, "pink milkwort"  
Polygala paucifolia, "gay-wing milkwort"  
Polytaenia nuttallii, "prairie parsley"  
Populus balsamifera, "balsam poplar"  
Potamogeton bicupulatus, "snail-seed pondweed"  
Potamogeton epihydrus, "nuttall pondweed"  
Potamogeton friesii, "Fries' pondweed"  
Potamogeton oakesianus, "Oakes pondweed"  
Potamogeton vaseyi, "Vasey's pondweed"  
Pyrola asarifolia, "pink wintergreen"  
Quercus prinoides, "dwarf chinquapin oak"  
Ranunculus harveyi, "Harvey's buttercup"  
Ranunculus laxicaulis, "Mississippi buttercup"

*Ranunculus pusillus*, "pursh buttercup"  
*Rhynchospora nitens*, "short beaked bald rush"  
*Rhynchospora recognita*, "globe beaked-rush"  
*Ripariosida hermaphrodita*, "Virginia mallow"  
*Rorippa aquatica*, "lake cress"  
*Rubus setosus*, "small bristleberry"  
*Rudbeckia fulgida* var. *umbrosa*, "coneflower"  
*Salix cordata*, "heartleaf willow"  
*Sanguisorba canadensis*, "Canada burnet"  
*Saxifraga forbesii*, "Forbes saxifrage"  
*Scheuchzeria palustris* ssp. *americana*, "American scheuchzeria"  
*Schizachne purpurascens*, "purple oat"  
*Schoenoplectiella hallii*, "Hall's bulrush"  
*Schoenoplectus torreyi*, "Torrey's bulrush"  
*Scirpus expansus*, "bulrush"  
*Scleria muehlenbergii*, "Muehlenberg's nutrush"  
*Scutellaria parvula* var. *parvula*, "small skullcap"  
*Scutellaria saxatilis*, "rock skullcap"  
*Selaginella rupestris*, "Ledge spike-moss"  
*Silene ovata*, "ovate catchfly"  
*Silene regia*, "royal catchfly"  
*Sisyrinchium montanum*, "strict blue-eyed-grass"  
*Solidago buckleyi*, "Buckley's goldenrod"  
*Solidago shortii*, "Short's goldenrod"  
*Solidago squarrosa*, "stout-ragged goldenrod"  
*Spigelia marilandica*, "woodland pinkroot"  
*Spiranthes magnicamporum*, "Great Plains ladies'-tresses"  
*Spiranthes romanzoffiana*, "hooded ladies'-tresses"  
*Styrax grandifolius*, "large-leaf snowbell"  
*Taxus canadensis*, "American yew"  
*Thuja occidentalis*, "northern white cedar"  
*Trichomanes boschianum*, "filmy fern"  
*Trifolium reflexum* var. *glabrum*, "buffalo clover"  
*Trifolium stoloniferum*, "running buffalo clover"  
*Trillium cernuum* var. *macranthum*, "nodding trillium"  
*Utricularia cornuta*, "horned bladderwort"  
*Utricularia geminiscapa*, "hidden-fruited bladderwort"  
*Utricularia radiata*, "small swollen bladderwort"  
*Utricularia resupinata*, "northeastern bladderwort"  
*Uvularia perfoliata*, "bellwort"  
*Vaccinium myrtilloides*, "velvetleaf blueberry"  
*Valeriana edulis* var. *ciliata*, "hairy valerian"  
*Valeriana uliginosa*, "marsh valerian"  
*Verbesina occidentalis*, "yellow crownbeard"  
*Vignunum cassinoides*, "northern wild-raisin"  
*Viburnum opulus* var. *americanum*, "highbush-cranberry"  
*Viola egglestonii*, "Eggleston's violet"  
*Viola hirsutula*, "southern wood violet"  
*Vitis rupestris*, "sand grape"  
*Wolffiella gladiata*, "sword bogmat"

3. Threatened: A plant species believed to be native to Indiana with six to 20 occurrences in the state, or that is of conservation concern, or that is otherwise likely to become endangered within the foreseeable future.

*Actaea rubra* ssp. *rubra*, "red baneberry"  
*Agalinis auriculata*, "earleaf foxglove"  
*Agalinis gattingeri*, "roundstem foxglove"  
*Agalinis skinneriana*, "pale false foxglove"  
*Andromeda glaucophylla*, "bog rosemary"  
*Androsace occidentalis*, "western rockjasmine"  
*Anticlea elegans* var. *glaucus*, "white camas"  
*Arctostaphylos uva-ursi*, "bearberry"  
*Aristida tuberculosa*, "seabeach needlegrass"

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Asplenium resiliens, "black-stem spleenwort"  
Asplenium ruta-muraria, "walrue spleenwort"  
Azolla caroliniana, "Carolina mosquito-fern"  
Bacopa rotundifolia, "roundleaf water-hyssop"  
Baptisia australis, "wild false indigo"  
Betula papyrifera, "paper birch"  
Botrychium matricariifolium, "chamomil grape-fern"  
Calycocarpum lyonii, "cup-seed"  
Cardamine pratensis var. palustris, "cuckoo flower"  
Carex arctata, "black sedge"  
Carex aurea, "golden-fruited sedge"  
Carex bebbii, "Bebb's sedge"  
Carex brunnescens, "brownish sedge"  
Carex bushii, "Bush's sedge"  
Carex cephaloidea, "thinleaf sedge"  
Carex conoidea, "prairie gray sedge"  
Carex crawei, "Crawe sedge"  
Carex decomposita, "cypress-knee sedge"  
Carex eburnea, "ebony sedge"  
Carex flava, "yellow sedge"  
Carex folliculata, "long sedge"  
Carex lupuliformis, "false hope sedge"  
Carex richardsonii, "Richardson sedge"  
Carex seorsa, "weak stellate sedge"  
Carex socialis, "social sedge"  
Carex straminea, "straw sedge"  
Catalpa speciosa, "northern catalpa"  
Chaerophyllum shortii, "wild chervil"  
Chamaesyce polygonifolia, "seaside spurge"  
Cheilanthes lanosa, "hairy lipfern"  
Chrysosplenium americanum, "American golden-saxifrage"  
Cirsium carolinianum, "Carolina thistle"  
Clematis pitcheri, "Pitcher's leather-flower"  
Clinopodium arkansanum, "calamint"  
Coptis trifolia var. groenlandica, "goldenthread"  
Cornus rugosa, "roundleaf dogwood"  
Crataegus coccinea var. coccinea, "scarlet hawthorn"  
Crataegus intricata, "Copenhagen hawthorn"  
Crataegus succulenta var. succulenta, "fleshy hawthorn"  
Crataegus viridis var. viridis, "green hawthorn"  
Cyperus pseudovegetus, "green flatsedge"  
Cypripedium candidum, "small white lady's-slipper"  
Cypripedium parviflorum var. makasin, "small yellow lady's-slipper"  
Cypripedium reginae, "showy lady's-slipper"  
Dendrolycopodium hickeyi, "Hickey's clubmoss"  
Dendrolycopodium obscurum, "tree clubmoss"  
Deschampsia cespitosa, "tufted hairgrass"  
Dichanthelium boreale, "northern witchgrass"  
Dichanthelium leibergii, "Leiberg's witchgrass"  
Dichanthelium ovale, "egg-leaf witchgrass"  
Dichanthelium wilcoxianum, "blood witchgrass"  
Digitaria filiformis, "slender crabgrass"  
Diphasiastrum tristachyum, "deep-root clubmoss"  
Dodecatheon frenchii, "French's shootingstar"  
Drosera intermedia, "spoon-leaved sundew"  
Eleocharis geniculata, "capitate spike-rush"  
Eleocharis melanocarpa, "black-fruited spike-rush"  
Eleocharis robbinsii, "Robbins' spike-rush"  
Eleocharis wolfii, "Wolf's spike-rush"  
Epigaea repens, "trailing arbutus"  
Eriophorum angustifolium, "narrow-leaved cotton-grass"

Eriophorum gracile, "slender cotton-grass"  
Eriophorum viridicarinatum, "green-keeled cotton-grass"  
Eupatorium album, "white thoroughwort"  
Eurybia furcata, "forked aster"  
Festuca paradoxa, "cluster fescue"  
Fleischmannia incarnata, "pink thoroughwort"  
Fuirena pumila, "dwarf umbrella-sedge"  
Galium labradoricum, "bog bedstraw"  
Gentiana alba, "yellow gentian"  
Geranium robertianum, "herb-Robert"  
Geum aleppicum, "yellow avens"  
Helenium virginicum, "Virginia sneezeweed"  
Heliotropium tenellum, "slender heliotrope"  
Heterotheca camporum var. camporum, "hairy golden-aster"  
Hexalectris spicata, "crested coralroot"  
Hottonia inflata, "featherfoil"  
Houstonia nigricans, "narrowleaf summer bluets"  
Hudsonia tomentosa, "sand-heather"  
Hylotelephium telephioides, "Allegheny stonecrop"  
Hypericum dolabriforme, "stragglng St. John's wort"  
Hypericum pyramidatum, "great St. John's-wort"  
Hypericum virgatum, "coppery St. John's wort"  
Ilex mucronata, "mountain holly"  
Iresine rhizomatosa, "eastern bloodleaf"  
Isoetes melanopoda, "blackfoot quillwort"  
Juglans cinera, "butternut"  
Juncus nodatus, "stout rush"  
Juncus scirpoides, "scirpus-like rush"  
Juniperus communis var. depressa, "ground juniper"  
Kalmia latifolia, "mountain laurel"  
Lactuca hirsuta, "hairy lettuce"  
Larix laricina, "tamarack"  
Lilium canadense, "Canada lily"  
Lilium superbum, "Turk's cap lily"  
Linum sulcatum, "grooved yellow flax"  
Ludwigia glandulosa, "cylindric-fruited seedbox"  
Lycopodiella inundata, "northern bog clubmoss"  
Matelea obliqua, "angel pod"  
Matelea suberosa, "angular-fruited milkvine"  
Matteuccia struthiopteris, "ostrich fern"  
Melothria pendula, "creeping cucumber"  
Miliium effusum, "tall millet-grass"  
Minuartia michauxii var. michauxii, "Michaux's stitchwort"  
Myosotis laxa, "smaller forget-me-not"  
Myriophyllum verticillatum, "whorled water-milfoil"  
Najas gracillima, "thread-like naiad"  
Napaea dioica, "glade mallow"  
Nothoscordum bivalve, "crow-poison"  
Oenothera perennis, "small sundrops"  
Oligoneuron album, "prairie goldenrod"  
Ophioglossum engelmannii, "limestone adder's-tongue"  
Oxydendrum arboreum, "sourwood"  
Panicum tuckermanii, "Tuckerman's panicgrass"  
Panicum verrucosum, "warty panic-grass"  
Persicaria careyi, "Carey's smartweed"  
Persicaria opelousana, "northern smartweed"  
Phlox amplifolia, "large-leaved phlox"  
Pinus banksiana, "jack pine"  
Pinus strobus, "eastern white pine"  
Piptatherum racemosum, "black-fruit mountain-ricegrass"  
Piptochaetium avenaceum, "blackseed needlegrass"

Platanthera aquilonis, "northern green orchis"  
Platanthera psychodes, "small purple-fringe orchid"  
Poa alsodes, "grove meadow grass"  
Poa paludigena, "bog bluegrass"  
Poa wolfii, "Wolf's bluegrass"  
Pogonia ophiglossoides, "rose pogonia"  
Polygonella articulata, "eastern jointweed"  
Potamogeton praelongus, "white-stem pondweed"  
Potamogeton pulcher, "spotted pondweed"  
Potamogeton richardsonii, "redheadgrass"  
Potamogeton robbinsii, "flatleaf pondweed"  
Potamogeton strictifolius, "straight-leaf pondweed"  
Potentilla anserina, "silverweed"  
Prenathes aspera, "rough rattlesnake-root"  
Prunus pensylvanica, "fire cherry"  
Pyrola americana, "American wintergreen"  
Rhamnus alnifolia, "alderleaf buckthorn"  
Rhexia mariana var. mariana, "Maryland meadow beauty"  
Rhus armatica var. arenaria, "beach sumac"  
Rhynchospora corniculata var. interior, "short-bristle horned-rush"  
Rhynchospora macrostachya, "Tall beaked-rush"  
Rhynchospora scirpoides, "long-beaked bald rush"  
Rubus odoratus, "purple flowering raspberry"  
Sagittaria australis, "longbeak arrowhead"  
Salix serissima, "autumn willow"  
Sanicula smallii, "Small's snakeroot"  
Sarracenia purpurea, "Northern pitcher-plant"  
Schoenoplectiella purshiana, "weakstalk bulrush"  
Schoenoplectiella smithii, "Smith's bulrush"  
Schoenoplectus subterminalis, "water bulrush"  
Scleria reticularis, "reticulated nutrush"  
Solidago simplex var. gillmanii, "sticky goldenrod"  
Sparganium androcladum, "branching bur-reed"  
Spiranthes lucida, "Shining Ladies'-tresses"  
Spiranthes ochroleuca, "yellow nodding ladies'-tresses"  
Stenanthium gramineum, "eastern featherbells"  
Styrax americanus, "American snowbell"  
Sullivantia sullivantii, "sullivantia"  
Symphyotrichum boreale, "rushlike aster"  
Symphyotrichum oblongifolium, "aromatic aster"  
Symphyotrichum sericeum, "western silvery aster"  
Taxodium distichum var. distichum, "bald cypress"  
Thalictrum pubescens, "tall meadowrue"  
Thysanthera difformis, "climbing dogbane"  
Triantha glutinosa, "false asphodel"  
Triglochin palustris, "marsh arrow-grass"  
Utricularia minor, "lesser bladderwort"  
Utricularia purpurea, "purple bladderwort"  
Utricularia subulata, "zigzag bladderwort"  
Vaccinium macrocarpon, "large cranberry"  
Vaccinium oxycoccos, "small cranberry"  
Viburnum molle, "softleaf arrow-wood"  
Viola pedatifida, "prairie violet"  
Viola primulifolia, "primrose-leaf violet"  
Vitis palmata, "catbird grape"  
Vittaria appalachiana, "Appalachian vittaria"  
Waldsteinia fragarioides, "barren strawberry"  
Wisteria frutescens, "American wisteria"  
Woodwardia areolata, "netted chainfern"  
Xyris difformis, "Carolina yellow-eyed grass"

## VI. HISTORY

The initial roster was published February 1, 1992 (15 IR 848), republished April 1, 1992 (15 IR 1312); and subsequently amended to include additional species and published on February 1, 2005 (28 IR 1581).

Since 2005, revisions have been made to several of the endangered species lists. The term "special concern" replaced the references to "rare" as it relates to wild animals and is expanded to include species in a legal status transition. Federal funding is available for species that are endangered or of special concern.

In the fourth amendment, posted at [20070815-IR-312070469NRA](#) on August 15, 2007, "rare", "threatened", and "extirpated" classifications for insect species were retained. Classification definitions were added for vascular plant species. In this document, species are reclassified and scientific names were modified.

In the fifth amendment, posted at [20120125-IR-312120047NRA](#) on January 25, 2012, the listing for endangered reptiles and amphibians was modified. Notable was removal of the American bald eagle from the endangered species list. Some species removed from the endangered list were redesignated as "special concern". Amendments were made to use scientific names that are consistent with those for species of animals listed in [312 IAC 9](#).

In the sixth amendment, posted at [20140129-IR-312140023NRA](#) on January 29, 2014, the listing for endangered birds, mollusks, insects, and vascular plants was modified. Notable was the removal of the peregrine falcon from the endangered species list. The listing of mammals of special concern added the eastern small-footed myotis and removed the river otter and bobcat. A large number of additions were made to the listing of rare insects.

In the seventh amendment, posted at [20151007-IR-312150339NRA](#) on October 7, 2015, the ruffed grouse and the rufa red knot were added to the species of special concern for birds. The name of the northern cavefish is changed to the Hoosier cavefish. Scientific names are modified to accurately reflect the current, published scientific names for each species. A few changes have also been made to the listing of extirpated and endangered vascular plants.

In the eighth amendment, posted at [20171122-IR-312170551NRA](#), the black bear was added to the species of special concern for mammals, and the northern bobwhite and American woodcock were added to the special concern list for birds. The red-shouldered hawk was removed from the special concern list for birds. The American eel was added to the special concern list for fish, while the longnose sucker, Ohio River muskellunge, lake whitefish, cypress darter, and Tippecanoe darter were removed from the special concern list for fish.

In the ninth amendment, posted at [20181128-IR-312180513NRA](#), three species of bats have been added to the endangered list of mammals. The osprey was removed from the state list of endangered birds and moved to the special concern list, while the rufa red knot was added to the state endangered species list of birds. Six species were also removed from the list of endangered species of mussels, because they are no longer found in the state and are considered to have been extirpated. The northern leopard frog was removed from the special concern list, and the plains gartersnake was added to the special concern list for reptiles.

In this amendment, the alligator gar was added to the special concern list of fish. Eight species of mussels were added and one species was removed from the special concern list. A number of changes were made to the lists of insects and plants, and definitions of terms were modified for vascular plants.

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