

The Divisions of Fish and Wildlife and Nature Preserves are requesting amendments to Information Bulletin #2, the twelfth amendment to the Roster of Indiana Animals, Insects, and Plants that are Extirpated, Endangered, Threatened, or Rare (also described as Special Concern).

First of all, language has been added in Section I to indicate that state law in IC 14-9-2-5 authorizes the locations of threatened and endangered species to be kept confidential. Secondly, corrections have been made to the list of birds to correct one genus and remove duplicates.

Additional amendments to this non-rule policy for insects and plants reflect changes made by Division of Nature Preserves personnel and through recommendations from taxon experts. The changes to insects and plants are as follows:

INSECTS

Update Lepidoptera list, specifically Moths

Due to ongoing research into the cosmopolitan Lepidoptera, more knowledge has become available to re-classify some species either as more or less rare. As more landscape alteration occurs within Indiana this pollinator group may continue to have further changes.

Other corrections to spelling, taxonomy, and common names

Extirpated Additions

Nemocapnia carolina (Plecoptera; from no status)

Endangered Additions

Glaucopsyche lygdamus couperi (Lepidoptera; from SX); *Lytrosis permagnaria* (Lepidoptera; from ST); *Neodactria murellus* (Lepidoptera; from ST); *Papaipema sciata* (Lepidoptera; from ST); *Phalaenostola hanhami* (Lepidoptera; from ST); *Ponometia binocula* (Lepidoptera; from ST); *Schinia sanguinea* (Lepidoptera; from ST); *Sympistis riparia* (Lepidoptera; from ST)

Threatened Additions

Perlesta teaysia (Plecoptera; from no status); *Acronicta funeralis* (Lepidoptera; from ST); *Aethes patricia* (Lepidoptera; from SE); *Hemaris gracilis* (Lepidoptera; from SR); *Meropleon diversicolor* (Lepidoptera; from SR); *Paectes abrostolella* (Lepidoptera; from SR); *Papaipema harrisii* (Lepidoptera; from SR); *Papaipema lysimachiae* (Lepidoptera; from SR); *Peoria gemmatella* (Lepidoptera; from SE); *Schinia gaurae* (Lepidoptera; from SR); *Schinia septentrionalis* (Lepidoptera; from SR); *Sphinx luscitiosa* (Lepidoptera; from SR)

Rare Additions

Grammia figurata (Lepidoptera; from no status); *Leucania scirpicola* (Lepidoptera; from ST); *Macrochilo louisiana* (Lepidoptera; from ST)

Removed from List

Macromia wabashensis (Odonata; from SE); *Herpetogramma thestealis* (Lepidoptera; from SR); *Macrochilo absorptalis* (Lepidoptera; from SR); *Panthea furcilla* (Lepidoptera; from SR)

PLANTS

Taxonomy changes, to more currently accepted scientific names

Spelling corrections and updates to common names

Endangered Additions

Echinacea simulata (from WL); *Eleocharis atropurpurea* (from no status); *Eriophorum tenellum* (from no status); *Pycnanthemum verticillatum* var. *verticillatum* (from no status); *Scheuchzeria palustris* ssp. *americana* (from SX); *Spiranthes arcisepala* (from no status); *Stuckenia filiformis* ssp. *occidentalis* (from no status)

Threatened Additions

Juncus articulatus (from SE)

Removed from List

Carex bebbii (from ST); *Carex cephaloidea* (from ST); *Dendrolycopodium obscurum* (from ST); *Eleocharis parvula* (from SE); *Poa alsodes* (from ST); *Pogonia ophioglossoides* (from ST); *Rhamnus alnifolia* (from ST); *Sarracenia purpurea* ssp. *purpurea* (from ST)

NATURAL RESOURCES COMMISSION

Information Bulletin #2 (~~Eleventh~~ Twelfth 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. **Pursuant to IC 14-9-2-5, the specific or general locations of the endangered and threatened species listed in this roster shall be kept confidential unless authorized by the Director and are exempt from disclosure for the purposes of IC 5-14-3-4, the Access to Public Records Act.** 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
Telephone: (317) 232-8059

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 spiders are set forth in Section IV and plants in Section V.

"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 myotis"
Myotis septentrionalis, "northern long-eared myotis"

Myotis sodalis, "Indiana myotis"
 Nycticeius humeralis, "evening bat"
 Perimyotis subflavus, "tri-colored bat"
 Sylvilagus aquaticus, "swamp rabbit"
 Poliocitellus 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"
 Lasionycteris 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 hudsonius, "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"
~~Sturnella~~ **Sternula** antillarum, "least tern"
 Chlidonias niger, "black tern"
 Tyto alba, "barn owl"
 Asio flammeus, "short-eared owl"
 Lanius ludovicianus, "loggerhead shrike"
 Cistothorus platensis, "sedge wren"
 Cistothorus 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"
~~Vermivora chrysoptera, "golden-winged warbler"~~
~~Setophaga cerulea, "cerulean warbler"~~
~~Setophaga kirtlandii, "Kirtland's warbler"~~
~~Centronyx henslowii, "Henslow's sparrow"~~
~~Xanthocephalus xanthocephalus, "yellow-headed blackbird"~~
 Bonasa umbellus, "ruffed grouse"

2. Special Concern

Colinus virginianus, "Northern bobwhite"
 Ardea alba, "great egret"
 Ictinia mississippiensis, "Mississippi kite"

Accipiter striatus, "sharp-shinned hawk"
Buteo platypterus, "broad-winged hawk"
Antigone 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 vociferus, "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"
Asio otus, "long-eared owl"
Ammodramus savannarum, "grasshopper sparrow"
Coccyzus erythrophthalmus, "black-billed cuckoo"
Limosa haemastica, "Hudsonian godwit"

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, "Blanding's 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"
Graptemys pseudogeographica, "false map turtle"

D. AMPHIBIANS

1. Endangered

Cryptobranchus alleganiensis, "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"
 Pseudacris maculata, "boreal chorus frog"

E. FISH

1. Endangered

Acipenser fulvescens, "lake sturgeon"
 Clinostomus elongatus, "redside dace"
 Hybopsis amnis, "pallid shiner"
 Moxostoma valenciennesi, "greater redhorse"
 Amblyopsis hoosieri, "Hoosier cavefish"
 Lepomis symmetricus, "bantam sunfish"
 Etheostoma variatum, "variegate darter"
 Percina copelandi, "channel darter"
 Percina evides, "gilt darter"
 Coregonus artedi, "cisco"
 Ammocrypta clara, "western sand darter"

2. Special Concern

Anguilla rostrata, "American eel"
 Notropis anogenus, "pugnose shiner"
 Notropis dorsalis, "bigmouth shiner"
 Rhinichthys cataractae, "longnose dace"
 Noturus stigmosus, "northern madtom"
 Percopsis omiscomaycus, "trout-perch"
 Cottus cognatus, "slimy sculpin"
 Elassoma zonatum, "banded pygmy sunfish"
 Etheostoma maculatum, "spotted darter"
 Atractosteus spatula, "alligator gar"
 Ichthyomyzon fossor, "northern brook lamprey"

F. MOLLUSKS AND CRUSTACEANS

1. Endangered

Theliderma cylindrica, "rabbitsfoot"
 Plethobasus cyphus, "sheepnose"
 Pleurobema clava, "clubshell"
 Cyrogenia stegaria, "fanshell"
 Epioblasma triquetra, "snuffbox"
 Potamilus capax, "fat pocketbook"
 Pleurobema plenum, "rough pigtoe"
 Epioblasma perobliqua, "white catspaw"
 Epioblasma 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"
 Ptychobranhus fasciolaris, "kidneyshell"
 Alasmidonta viridis, "slippershell mussel"
 Elliptio crassidens, "elephantear"
 Eurynia dilatata, "spike"
 Lampsilis ovata, "pocketbook"
 Ligumia recta, "black sandshell"
 Reginaia ebena, "ebonyshell"
 Toxolasma texasiense, "Texas lilliput"

Villosa iris, "rainbow"

IV. INSECTS AND SPIDERS

1. Extirpated: An insect or spider 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 or spider 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"

Plecoptera (Stoneflies)

Nemocapnia carolina, "southern snowfly"

Lepidoptera (Butterflies; Skippers)

Chlosyne gorgone carlota, "Gorgone checkerspot"

~~Glaucopsyche lygdamus couperi, "silvery blue"~~

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 or spider 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 or spider is also considered endangered if the insect or spider 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 or spider species are listed as endangered:

Araneae (Spiders)

Anahita punctulata, "Southeastern wandering spider"

Antrodiaetus robustus, "robust trapdoor spider"

Apoththionius indianensis, "Indiana cave pseudoscorpion"

Araneus juniperi, "white-striped orbweaver"

Atypoides hadros, "a folding trapdoor spider"

Castianeira alata, "an antmimic spider"

Castianeira crocata, "red-spotted antmimic spider"

Chthonius virginicus, "a pseudoscorpion"

Coras aerialis, "big-eyed spurred woodland funnelweaver"

Disembolus bairdi, "a money spider"

Drassyllus gynosaphes, "a stealthy ground spider"

Emblyna evicta, "a meshweaver spider"

Emblyna zaba, "a meshweaver spider"

Emertonella emertoni, "a cobweb spider"

Erigone aletris, "a dwarf weaver"

Gladicosa bellamyi, "Bellamy's sword wolf spider"

Grammonota pallipes, "pale-footed patterned money spider"

Hamohalacarus subterraneus, "Donaldson Cave water mite"
 Hesperochernes holsingeri, "Holsinger's Cave pseudoscorpion"
 Islandiana lewisi, "cave sheet-web spider"
 Iviella ohioensis, "Ohio meshweaver"
 Kleptochthonius packardi, "Packard's Cave pseudoscorpion"
 Mecaphesa carletonica, "Northeastern flower crab spider"
 Mimetus nelsoni, "Nelson's pirate spider"
 Myrmekiaphila flavipes, "a cyrtauchiid spider"
 Mythoplastoides exiguus, "a dwarf weaver"
 Nesticus carteri, "Carter's Cave spider"
 Nodocion floridanus, "a stealthy ground spider"
 Oedothorax montifer, "a dwarf weaver"
 Oreonetides beattyi, "Beatty's sheet-web cave spider"
 Paracornicularia bicapillata, "a sheetweb spider"
 Pelecopsis bishopi, "a dwarf weaver"
 Phantyna pixi, "a meshweaver"
 Phlathothrata flagellata, "whipped blahblah money spider"
 Phrurolithus goodnighti, "an antmimic spider"
 Phruronellus formica, "an araneomorph spider"
 Phrurotimpus certus, "lesser antmimic corine spider"
 Phrurotimpus dulcineus, "slender antmimic corrine spider"
 Porhomma cavernicola, "Appalachian Cave spider"
 Scironis tarsalis, "Tarsal sheet-web weaver"
 Scotinotylus vernalis, "vernal money spider"
 Sphodros coylei, "Coyle's purse-web spider"
 Synaphosus paludis, "a ground spider"
 Talanites exlineae, "a ground spider"
 Theridion cheimatos, "a cobweb spider"
 Ummidia tuobita, "a cork lid trapdoor spider"
 Veigaia wyandottensis, "Wyandotte Cave mite"
 Xysticus fervidus, "rare ground crab spider"
 Xysticus punctatus, "a ground crab spider"

Collembola (Springtails)

- 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"
- Nixe lucidipennis, "clear-winged flat-headed mayfly"
- Pseudiron centralis, "white crabwalker 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' prong-gilled mayfly"
- Odonata (Dragonflies; Damselflies)
- Aeshna canadensis*, "Canada darner"
Aeshna clepsydra, "mottled darner"
Arigomphus cornutus, "horned clubtail"
Arigomphus furcifer, "lilypad 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, "elfin skimmer"
Nehalennia gracilis, "sphagnum sprite"
Neurocordulia molesta, "smoky shadowdragon"
Somatochlora ensigera, "plains emerald"
Stylogomphus sigmastylus, "least clubtail"
Stylurus laurae, "Laura's clubtail"
Stylurus notatus, "elusive clubtail"
Stylurus scudderi, "zebra clubtail"
- Homoptera (Cicadas; Hoppers; Scales; Aphids)
- Chlorotettix dentatus*, "toothed chlorotettix leafhopper"
Cicadetta calliope, "small prairie cicada"
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"
- Texanus 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"
 - Orphulella pelidna, "spotted-wing grasshopper"
 - Stethophyma gracile, "northern sedge locust"
- Coleoptera (Beetles)
 - Batrissodes hairstoni, "Krekeler's cave ant beetle"
 - Cicindela marginipennis, "cobblestone tiger beetle"
 - Lissobiops serpentinus, "a rove beetle"
 - Pseudanophthalmus barri, "cave beetle"
 - Pseudanophthalmus emersoni, "cave beetle"
 - Pseudanophthalmus eremita, "cave beetle"
 - Pseudanophthalmus leonae, "Leona's cave ground 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"
 - Agneta annulipes, "southern stone"
 - Allocaupnia 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 aesculapius, "lace-winged roadside-skipper"
 - Amblyscirtes belli, "Bell's roadside-skipper"
 - Autochton cellus, "Gold-banded Skipper"
 - Boloria selene nebraskensis, "the Nebraska silver bordered fritillary"
 - Calephelis borealis, "northern metalmark"
 - Callophrys irus, "frosted elfin"
 - Callophrys polios, "hoary 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, "Patricia's cochyliid moth"~~
 Apamea lutosa, "opalescent apamea"
 Apamea relicina, "a noctuid moth"
 Catocala abbreviatella, "the abbreviated leadplant underwing moth"
 Catocala amestris, "the leadplant underwing moth"
 Catocala antinympha, "the sweet fern underwing"
 Catocala marmorata, "marbled underwing moth"
 Cochyliis ringsi, "Rings' cochyliid moth"
 Coenophila opacifrons, "plain-faced blueberry dart"
 Dasychira cinnamomea, "cinnamon tussock moth"
 Euxoa albipennis, "white-striped dart"
 Euxoa aurulenta, "dune cutworm"
 Exyra fax, "Pitcher window moth"
 Hemipachnobia monochromatea, "the purple sundew moth"
 Hystrichophora loricana, "armored hystrichophora"
 Lacinipolia olivacea, "olive arches"
 Leucania multilinea, "many-lined wainscot"
Lytrosis permagnaria, "charcoal lytrosis"
 Macrochilo bivitatta, "two-striped cord grass moth"
 Melanchra assimilis, "black arches ~~moth~~"
 Metarranthis apiciaria, "barrens metarranthis moth"
 Monoleuca semifascia, "the zig-zag monoleuca"
Neodactria murellus, "prairie sedge moth"
 Oligia bridghami, "Bridgham's brocade"
 Oligia obtusa, "obtuse sedge borer"
 Papaipema appassionata, "the pitcher plant borer moth"
Papaipema sciata, "Culver's root borer moth"
~~Peoria gemmatella, "gemmed cordgrass borer"~~
Phalaenostola hanhami, "Hanham's rare sedge moth"
~~Photedes enervata, "the many-line cordgrass moth photedes"~~
~~Phytometra ernestiana ernestinana, "Ernestine's moth phytometra"~~
Ponometia binocula, "prairie tarachidia"
 Pyla arenaeola, "a pyralid moth"
 Resapamea stipata, "the four-lined cordgrass borer"
 Schinia indiana, "phlox **flower** moth"
 Schinia jaguarina, "jaguar flower moth"
 Schinia lucens, "leadplant flower moth"
Schinia sanguinea, "blazingstar flower moth"
~~Sciota dammersi, "leadplant leafweber moth webworm "~~
Sympistis riparia, "dune ococnemis"
 Xestia dilucida, "dull reddish dart moth"
- Diptera (Flies)
- Mydas brunneus, "the golden mydas fly"
- Hymenoptera (Bees)
- Andrena uvulariae, "a mining bee"
 Anthophorula asteris, "a bee"

Bombus affinis, "rusty-patched bumble bee"
Bombus bohemicus, "gypsy cuckoo bumble bee"
Bombus fraternus, "southern plains bumble bee"
Coelioxys obtusiventris, "a leafcutter bee"
Dieunomia nevadensis, "Nevada nomia bee"
Dufourea novaeangliae, "New England sweat bee"
Epeolus americanus, "American cuckoo nomad bee"
Hoplitis nemophilae, "a leafcutter bee"
Lasioglossum pectinatum, "ground cherry sweat bee"
Melissodes tincta, "a callirhoe bee"
Osmia illinoensis, "a mason bee"
Stelis aff. grossa, "a leafcutter bee"
Svastra compta, "a long-horned bee"
Trachusa zebrata, "a leafcutter bee"
Triepeolus distinctus, "distinct dieunomia-cuckoo bee"
Xeromelecta interrupta, "interrupted xeromelecta bee"

3. Threatened: A state threatened insect or spider 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 and spider species are listed as threatened:

Araneae (Spiders)

Anthobia whiteleyae, "a sheetweb spider"
Ceraticelus limnologicus, "a dwarf weaver"
Clubiona rileyi, "a sac spider"
Cybaeus giganteus, "a water spider"
Erebomaster flavescens, "Golden Cave harvestman"
Habronattus conjunctus, "a jumping spider"
Mastophora bisaccata, "a bolas spider"
Mastophora cornigera, "a bolas spider"
Neoscona oaxacensis, "western spotted orbweaver"
Pirata spiniger, "a pirate wolf spider"
Pirata triens, "a pirate wolf spider"
Porrhomma terrestre, "terrestrial wide-eyed sheetweaver"
Sergiolus minutus, "an antmimic spider"
Sphodros atlanticus, "Atlantic purse-web spider"
Sphodros niger, "black purse-web spider"
Theridion hemerobium, "holartic long-legged cobweaver"
Tmarus rubromaculatus, "a crab spider"
Xysticus texanus, "a ground crab spider"
Zelotes exiguoides, "small-spined preening ground spider"

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' prong-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"
 - Ladona exusta, "white corporal"
 - 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"
 - Hesperotettix viridis pratensis, "snakeweed grasshopper"
 - Paroxya atlantica, "Atlantic spastic grasshopper"
 - Paroxya hoosieri, "Hoosier locust"
 - Phoetaliotes nebrascensis, "large-headed grasshopper"
 - Pseudopomala brachyptera, "bunch grass locust"
 - Stethophyma lineatum, "striped sedge grasshopper"
 - Trimerotropis maritima, "seaside grasshopper"
- Homoptera (Cicadas; Hoppers; Scales; Aphids)
 - Cicadula cyperacea, "a leafhopper"
 - 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, "forked limotettix leafhopper"
 - Memnonia panzeri, "Panzer's shovelhead leafhopper"
 - Neohecalus magnificus, "magnificent red-striped cordgrass leafhopper"
 - Paraphilaenus ~~parallelus~~ **parallelus**, "parallel-striped spittlebug"
 - 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, "six-banded longhorn beetle"
 - 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"
- Plecoptera (Stoneflies)
 - Acroneuria abnormis, "common stone"
 - Acroneuria evoluta, "constricted stone"
 - Agnetina capitata, "northern stone"
 - Agnetina flavescens, "midwestern stone"
 - Allocaupnia smithi, "three-lobed snowfly"
 - Alloperla hamata, "barbed sallfly"
 - Hydroperla crosbyi, "early springfly"
 - Hydroperla fugitans, "Austin springfly"
 - Isoperla burksi, "banded stripetail"
 - Isoperla dicala, "sable stripetail"
 - Isoperla montana, "Montaine stripetail"
 - Leuctra sibleyi, "brook needelfly"
 - Neoperla catharae, "slippery stone"
 - Neoperla gaufini, "Ohio stone"
 - Neoperla stewarti, "multispine stone"
 - Ostrocerca truncata, "truncate forestfly"
 - Paragnetina media, "embossed stone"
 - Paraleuctra sara, "Appalachian needelfly"
 - Perlesta ouabache, "Wabash stone"
 - Prostoia completa, "central forestfly"
 - Perlesta teaysia, "Teays Stone"**
 - Sweltsa hoffmani, "plateau sallfly"
 - Taeniopteryx lita, "small willowfly"
 - Taeniopteryx maura, "spinyleg willowfly"
 - Taeniopteryx metequi, "shortwing willowfly"
- Lepidoptera (Butterflies; Skippers)
 - Calephelis muticum, "swamp metalmark"
 - 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)
 - Acronicta funeralis, "funerary dagger moth"**
 - Aethes patricia, "Patricia's cochyliid moth"**
 - Agrotis stigmata, "spotted dart moth"
 - Anaplectoides prasina, "green arches"
 - Apamea apamiformis, "rice worm moth"
 - Apamea burgessi, "a noctuid moth"
 - Apamea indocilis, "the spastic apamea"
 - Apamea nigrior, "black-dashed apamea"
 - Apamea verbascoides, "the boreal apamea"
 - Apamea vulgaris, "common apamea moth"
 - Bellura densa, "pickerelweed borer moth"
 - Capis curvata, "curved halter moth"
 - Capsula laeta, "red sedge borer"

Caradrina meralis, "the rare sand Quaker"
 Caradrina multifera, "dune rustic"
 Catocala insolabilis, "the inconsolable underwing"
 Chrysanympa formosa, "the huckleberry looper moth"
 Cryptocala acadensis, "catocaline dart"
 Cynia collaris, "unexpected milkweed moth"
 Dargida rubripennis, ~~"the pink streak"~~ "**buff-edge Quaker**"
 Dasychira dorsipennata, "sharp-lined tussock moth"
 Dichagyris acclivis, "a noctuid moth"
 Dichagyris grotei, "Grote's black-tipped Quaker"
 Eosphoropteryx thyatyroides, ~~"pinkpatched looper moth"~~ "**pink-patched looper**"
 Ethmia monticola fuscidepella, "puccoon web moth"
 Eucloptocnemis fimbriaris, "fringed dart"
 Eucosma bipunctella "two-spotted silphium borer **eucosma**"
 Eucosma giganteana "giant silphium ~~Eucosma~~"
 Fagitana littera, "the marsh fern moth"
 Gabara subnivosella, ~~"a noctuid moth"~~ "**snowy gabara**"
 Hadenia ectypa, "the starry champion moth"
Hemaris gracilis, "blueberry clearwing sphinx"
 Homoglaea hircina, "the little bear"
 Hypocoena inquinata, "tufted sedge moth"
 Leucania inermis, "unarmed wainscot"
~~Leucania scirpicola, "scirpus wainscot moth"~~
~~Lytrosis permagnaria, "great gray lytrosis"~~
~~Macrochilo louisiana, "Louisiana macrochilo"~~
 Meropleon ambifusum, "Newman's brocade"
Meropleon diversicolor, "multicolor sedgeminer"
~~Neodactria murellus, "prairie sedge moth"~~
 Notodontia scitipennis, "finned-willow prominent"
Paectes abrostolella, "barrens paectes"
 Papaipema astuta, ~~"the stoneroot borer moth"~~
 Papaipema beeriana, "Beer's blazing star borer moth"
 Papaipema cerina, "golden borer moth"
Papaipema harrisii, "Heracleum stem borer moth"
 Papaipema leucostigma, "columbine borer"
Papaipema lysimachiae, "St. John's wort borer moth"
 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"~~
Peoria gemmatella, "gemmed cordgrass borer"
~~Phalaenostola hanhami, "Hanham's rare sedge moth"~~
 Photedes includens, ~~"the included cordgrass borer"~~ **photedes**"
 Photedes inops, ~~"spartina borer moth"~~ "**helpless photedes**"
~~Ponometia binocula, "prairie tarachidia"~~
 Pygarcia spraguei, "Sprague's pygarcia"
 Pyrrhia aurantiago, "false-foxglove sun moth"
Schinia gaurae, "clouded crimson flower moth"
~~Schinia sanguinea, "blazingstar flower moth"~~
Schinia septentrionalis, "northern flower moth"
 Sitochroa dasconalis, "pearly **wild** indigo borer"
Sphinx luscitiosa, "luscious willow sphinx"
~~Sympistis riparia, "the dune oecocnemis moth"~~
 Tampa dimediatella, "red-striped panic grass moth"
 Tricholita notata, "noted sunflower moth"

Diptera (Flies)

Mydas tibialis, "golden legged mydas fly"

Hymenoptera (Bees)

Agapostemon texanus, "Texas sweat bee"
 Andrena duplicata, "a mining bee"
 Andrena heraclei, "an andrenid bee"
 Andrena macra, "an andrenid bee"
 Anthidiellum notatum, "eastern carder bee"
 Anthidium psoraleae, "a wool-carder bee"
 Anthophora bomboides, "bumblebee-like digger bee"
 Anthophora walshii, "Walsh's digger bee"
 Ashmeadiella buconis, "big-cheeked mason bee"
 Bombus vagans, "half-black bumble bee"
 Calliopsis nebraskensis, "Nebraska Calliopsis mining bee"
 Cemolobus ipomoeae, "a cemolobus bee"
 Coelioxys banksi, "Banks' cuckoo leafcutter bee"
 Coelioxys funeraria, "funeral cuckoo leafcutter bee"
 Coelioxys hunteri, "a leafcutter bee"
 Coelioxys immaculata, "a leafcutter bee"
 Coelioxys rufitarsis, "red-legged cuckoo leafcutter bee"
 Colletes aberrans, "aberrant cellophane bee"
 Colletes aestivalis, "a cellophane bee"
 Colletes brevicornis, "short-horned plasterer bee"
 Colletes robertsonii, "Robertson's plasterer bee"
 Colletes solidaginis, "goldenrod plasterer bee"
 Dianthidium simile, "similar carder bee"
 Dieunomia triangulifera, "prairie nomia bee"
 Dufourea monardae, "beebalm sweat bee"
 Epeolus bifasciatus, "two-spotted cuckoo nomad bee"
 Epeolus Ccanadensis, "Canadian cuckoo nomad bee"
 Epeolus scutellaris, "red-chested cuckoo nomad bee"
 Hesperapis carinata, "a melittid bee"
 Hoplitis spoliata, "robber mason bee"
 Hylaeus annulatus, "ringed yellow-faced bee"
 Hylaeus saniculae, "sanicle yellow-faced bee"
 Hylaeus verticalis, "barred yellow-faced bee"
 Lasioglossum albipenne, "white-winged sweat bee"
 Lasioglossum apocyni, "a sweat bee"
 Lasioglossum cephalotes, "a sweat bee"
 Lasioglossum lionotum, "smooth-backed sweat bee"
 Lasioglossum michiganense, "Michigan sweat bee"
 Lasioglossum nelumbonis, "water-lily sweat bee"
 Lasioglossum nigroviride, "shiny black-bellied sweat bee"
 Lasioglossum paradmirandum, "stunning sweat bee"
 Lasioglossum pruinatum, "hoary sweat bee"
 Lasioglossum rozeni, "a sweat bee"
 Lasioglossum taylorae, "Taylor's sweat bee"
 Lasioglossum viridatum, "eastern green sweat bee"
 Megachile albitarsis, "white-footed leaf-cutter bee"
 Megachile dakotensis, "a leafcutter bee"
 Megachile fortis, "robust sunflower leafcutter bee"
 Megachile integra, "a leafcutter bee"
 Megachile mucida, "a leafcutter bee"
 Megachile relativa, "relative leafcutter bee"
 Megachile rugifrons, "a leafcutter bee"
 Melissodes tepaneca, "Tepanec long-horned bee"
 Melissodes vernoniae, "a callirhoe bee"
 Melissodes wheeleri, "a callirhoe bee"
 Nomada rubicunda, "a cuckoo bee"
 Nomada superba, "a cuckoo bee"

Nomada texana, "a cuckoo bee"
 Nomada tiftonensis, "a cuckoo bee"
 Nomada vegana, "a cuckoo bee"
 Nomada vicina, "neighboring cuckoo nomad bee"
 Nomada vincta, "bounded cuckoo nomad bee"
 Osmia subfasciata, "a mason bee"
 Osmia virga, "twig mason bee"
 Paranthidium jugatorium, "a leafcutter bee"
 Perdita halictoides, "sweatbee-like miner bee"
 Protandrena bancrofti, "a mining bee"
 Pseudopanurgus rudbeckiae, "rudbeckia miner bee"
 Sphecodes antennariae, "a sweat bee"
 Sphecodes davisii, "Davis's cuckoo sweat bee"
 Sphecodes fattigi, "a sweat bee"
 Sphecodes illinoensis, "Illinois cuckoo sweat bee"
 Sphecodes minor, "minor cuckoo sweat bee"
 Sphecodes pycnanthemii, "a sweat bee"
 Sphecodes ranunculi, "buttercup cuckoo sweat bee"
 Stelis coarctatus, "constrained cuckoo carder bee"
 Svastra atripes, "a long-horned bee"
 Triepeolus donatus, "thistle longhorn-cuckoo bee"
 Triepeolus helianthi, "sunflower cuckoo nomad bee"
 Triepeolus michiganensis, "Michigan cuckoo nomad bee"
 Triepeolus nevadensis, "a cuckoo bee"
 Triepeolus rufithorax, "a cuckoo bee"
 Xenoglossa kansensis, "Kansas squash bee"

4. Rare: A state rare insect or spider 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:

Araneae (Spiders)

Acanthepeira stellata, "starbellied orbweaver"
 Admestina tibialis, "a jumping spider"
 Admestina wheeleri, "Wheeler's thick-legged jumping spider"
 Collinsia oxypaederotipus, "a dwarf weaver"

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 semicinctum, "band-winged meadowhawk"

Orthoptera (Grasshoppers; Locust; Crickets)

Chloealtis conspersa, "sprinkled locust"
 Conocephalus saltans, "prairie meadow katydid"
 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, "slightly musical conehead"
Neoconocephalus nebrascensis, "Nebraska conehead"
Orphulella speciosa, "pasture locust"
Pardalophora phoenicoptera, "orange-winged grasshopper"
Psinidia fenestralis, "sand locust"

Homoptera (Cicadas; Hoppers; Scales; Aphids)

Bruchomorpha dorsata, "dorsal-striped elephant hopper"
Bruchomorpha extensa, "the long-nosed elephant hopper"
Bruchomorpha oculata, "eyed elephant hopper"
Chlorotettix borealis, "northern chlorotettix leafhopper"
Chlorotettix distinctus, "distinct chlorotettix leafhopper"
Chlorotettix fallax, "deceptive chlorotettix 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"
Laevicephalus acus, "pointed fen laevicephalus"
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 paraphlepsius leafhopper"
Philaenarcys killa, "Great Lakes dune spittlebug"
Polyamia caperata, "little bluestem polyamia"
Polyamia similaris, "similar panicgrass leafhopper"
Prosapia ignipectus, "red-legged spittle bug"

- Scaphoideus ochraecleus, "orange-head scaphoideus"
 Texananus longipennis, "long-winged Texan leafhopper"
 Texananus majestus, "Borrow's lowanus leafhopper"
- Coleoptera (Beetles)
- Atheta troglaphila, "**a rove beetle**"
 Cicindela patruela, "a tiger beetle"
 Dynastes tityus, "eastern Hercules beetle"
 Ochthebius putnamensis, "Indiana ochthebius minute moss beetle"
 Pseudanopthalmus chthonius, "cave beetle"
 Pseudanopthalmus 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"
 Atrytonopsis hianna, "dusted skipper"
 Boloria selene myrina, "silver-bordered fritillary"
 Euchloe olympia, "Olympia marble"
 Euphyes dukesi dukesi, "Duke's skipper"
 Hesperia leonardus, "Leonard's skipper"
 Hesperia metea, "cobweb skipper"
 Hesperia sassacus, "Indian skipper"
 Lycaena helloides, "purplish copper"
 Pieris virginiana, "West Virginia white"
 Polygonia progne, "gray comma"
 Satyrium favonius ontario, "northern oak hairstreak"
- Lepidoptera (moths)
- ~~Acronicta funeralis, "funerary dagger moth"~~
 Ancyliis semiovana, "New Jersey tea leaf-tier"
 Apamea lignicolora, "the wood-colored Apamea"
~~Apantesis figurata, "the figured grammia"~~
 Bagisara rectifascia, "the rare mallow moth"
Carectocultus perstrialis, "reed-boring crambid"
 Catocala flebilis, "the black-dashed underwing moth"
 Catocala gracilis, "graceful underwing"
 Catocala praeclara, "praeclara underwing"
 Catocala relictata, "white underwing"
 Catocala sordida, "the huckleberry underwing"
 Coenochroa bipunctella, "sand dune panic grass moth"
 Coenochroa illibella, "dune panic grass moth"
 Crambus bidens, "forked grass-veneer"
 Crambus girardellus, "orange-striped sedge moth"
 Dichomeris aleatrix, ~~"the gambling dichomeris"~~ "**Buffy dichomeris**"
 Digrammia eremiata, "the goat's rue looper"
 Digrammia mellistrigata, "black-striped digrammia"
 Eubaphe meridiana, "little beggar moth"
 Eucosma bilineana, "two-striped sunflower bore" **eucosma**
 Eucosma olivaceana, "Olivaceous eucosma"
 Eucosma ornatula, "ornate eucosma"
 Eucosma umbrastriana, "smokey-striped eucosma"
 Euxoa niveilinea, "white veined dart"
 Feltia manifesta, ~~"the record keeper moth"~~
 Grammia anna, "Anna's tiger moth"
Grammia figurata, "figured grammia"
 Grammia virguncula, "little virgin tiger moth"
 Hadenia capsularis, "The starry champion capsule moth"
~~Homaris gracilis, "the blueberry clearwing sphinx"~~
 Hemileuca nevadensis ssp. 3 "midwestern fen buckmoth"

~~Herpetogramma thestealis, "zigzag herpetogramma moth"~~
 Himella fidelis, "intractable Quaker moth"
 Homophoberia cristata, "waterlily moth"
 Hypenodes caducus, "large hypenodes"
 Iodopepla u-album, "white-eyed **sedge-borer moth**"
 Lemmeria digitalis, "fingered lemmeria"
 Leucania amygdalina, "salt marsh wainscot"
Leucania scirpicola, "scirpus wainscot"
 Macalla zelleri, "Zeller's ~~macalla~~ **epipaschia**"
 Macaria multilineata, "many-lined angle"
 Macrochilo absorptalis, "slant-lined owlet"
Macrochilo louisiana, "Louisiana macrochilo"
 Melipotis jucunda, "merry melipotis ~~moth~~"
~~Merepleon diversicolor, "multicolor sedgeminer"~~
 Nola cilicoides, "blurry-patched Nola moth"
 Nola pustulata, "sharp-blotched moth"
 Odontosia elegans, "elegant prominent"
~~Paectes abrostolella, "the barren paectes 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"
 Parasa indeterminata, "a moth"
 Peoria tetradella, "four-spotted Peoria"
 Phaneta striatana, "~~the~~ striated phaneta moth"
 Photedes panatela, "northern sedge borer"
 Plagodis kuetzingi, "purple plagodis"
 Protorthodes incincta, "Saturn quaker"
 Pyrausta laticlavia, "~~the~~ southern purple mint moth"
 Pyreferra ceromatica, "annointed sallow moth"
 Pyreferra hesperidago, "mustard sallow"
 Pyreferra pettiti, "a noctuid moth"
 Schinia gaurae, "clouded crimson flower moth"
~~Schinia septentrionalis, "northern flower moth"~~
~~Scirpophaga perstrialis, "reed boring crambid moth"~~
 Sonia fulminana, "smokey Sonia moth"
~~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"
 Zomaria interruptolineana, "broken-lined zomaria"
 Hymenoptera (Bees)
 Andrena carolina, "Carolina miner bee"
 Andrena polemonii, "an andrenid bee"
 Andrena rudbeckiae, "coneflower miner bee"
~~Colletes thoracicus, "rufous-chested cellophane bee"~~
 Hylaeus fedorica, "a yellow-masked bee"
 Lasioglossum lustrans, "Carolina desert chickory sweat bee"
 Lasioglossum macoupinense, "Macoupin County sweat bee"
 Lasioglossum smilacinae, "mayflower sweat bee"
 Lasioglossum texanum, "Texas nocturnal sweat bee"
 Lasioglossum timothyi, "Timothy's sweat bee"
 Protandrena cockerelli, "a mining bee"
 Sphecodes cressonii, "Cresson's cuckoo sweat bee"

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"
Anaphalis margaritacea, "pearly everlasting"
Andersonglossum boreale, "northern wild comfrey"
Anemone caroliniana, "Carolina anemone"
Arethusa bulbosa, "swamp-pink"
Asclepias meadii, "Mead's milkweed"
Astragalus tennesseensis, "Tennessee milk-vetch"
Aureolaria grandiflora var. *pulchra*, "large-flower false-foxglove"
Calopogon oklahomensis, "Oklahoma grass-pink"
Carex missouriensis, "Missouri sedge"
Carex pauciflora, "few flower sedge"
Circaea alpina, "small enchanter's nightshade"
Corallorhiza trifida var. *verna*, "early coralroot"
Dichanthelium mattamuskeetense, "a panic-grass"
Eriophorum vaginatum, "dense cotton-grass"
Fallopia cilinodis, "fringed black bindweed"
Gymnopogon ambiguus, "broadleaf beardgrass"
Helianthemum tenellum, "~~little bur-head~~ **"dwarf burhead"**"
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"
Pediomelum tenuiflorum, "few-flowered scurf-pea"
Platanthera dilatata, "leafy white orchid"
Platanthera hookeri, "Hooker's orchid"
Platanthera orbiculata, "large roundleaf orchid"
Poa cuspidata, "early bluegrass"
Proboscidea louisianica, "Louisiana unicorn-plant"
Pseudognaphalium macounii, "winged cudweed"
Pteridium aquilinum var. *pseudocaudatum*, "bracken fern"
Pyrola chlorantha, "greenish-flowered wintergreen"
Rhynchospora fusca, "~~brown beaked-rush~~ **"beakrush"**"
Sabatia campanulata, "slender marsh pink"
Sagittaria ambigua, "Kansas arrowhead"
Sceptridium multifidum, "leathery grape-fern"
Sceptridium rugulosum, "ternate grapefern"
~~*Scheuchzeria palustris* ssp. *americana*, "American scheuchzeria"~~
Shepherdia canadensis, "Canada buffalo-berry"
Solidago rupestris, "rock goldenrod"
Sorbus decora, "northern mountain-ash"
Sparganium natans, "small bur-reed"
Symphyotrichum phlogifolium, "thin leaf late purple aster"
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 the state or that is otherwise currently at the brink of extinction.

Aconitum uncinatum, "blue monkshood"
Actaea rubifolia, "Appalachian bugbane"

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"
 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"
 Capnoides sempervirens, "pale corydalis"
 Cardamine dissecta, "divided toothwort"
 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 leptonevia, "finely-nerved sedge"
 Carex limosa, "mud sedge"
 Carex livida, "livid 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"
 Chamaenerion angustifolium **ssp. circumvagum**, "fireweed"
 Chimaphila umbellata ssp. cisatlantica, "pipsissewa"
 Cirsium hillii, "Hill's thistle"
 Cirsium pitcheri, "dune thistle"
 Cladrastis kentukea, "yellowwood"
 Clintonia borealis, "Clinton lily"
 Coleataenia longifolia ssp. longifolia, "long-leaved panic-grass"
 Conioselinum chinense, "hemlock parsley"

Cornus amomum ssp. amomum, "silky dogwood"
 Cornus canadensis, "bunchberry"
 Crataegus chrysoarpa, "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"
 Cyripedium acaule, "Pink ladies'-slipper"
 Dactylorhiza viridis, "long-bract green orchis"
 Danthonia compressa, "flattened oatgrass"
 Dendrolycopodium dendroideum, "treelike clubmoss"
 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 **Yadkin** panic-grass"
 Dicliptera brachiata, "wild mudwort"
 Didiplis diandra, "water-purslane"
 Dryopteris celsa, "log fern"
 Dryopteris clintoniana, "Clinton woodfern"
Echinacea simulata, "wavyleaf purple coneflower"
 Echinodorus berteroi, "tall bur-head"
 Echinodorus cordifolius, "creeping bur-head"
Eleocharis atropurpurea, "purple spikerush"
 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"
Eriophorum tenellum, "rough cotton-grass"
 Erysimum capitatum, "prairie-rocket wallflower"
 Eurybia schreberi, "Schreber's aster"
 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~~ **cranesbill**"
 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"
 Helenium virginicum, "Virginia sneezeweed"
 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"
 Limnobium spongia, "American frog's-bit"
 Linum intercursum, "sandplain flax"
 Lipocarpha drummondii, "Drummond hemicarpha"
 Lithospermum incisum, "narrow-leaved puccoon"
 Lithospermum parviflorum, "shaggy false-gromwell"
 Lonicera canadensis, "American fly-honeysuckle"
 Ludwigia sphaerocarpa, "globe-fruited false-loosestrife"
 Luzula acuminata var. acuminata, "hairy woodrush"
 Lycopodiella inundata, "northern bog clubmoss"
 Lycopodiella subappressa, "northern appressed bog 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~~ "**striped hedge hyssop**"
 Melampyrum lineare, "American cow-wheat"
 Melica nitens, "three-flower melic grass"
 Micranthes forbesii, "Forbes saxifrage"
 Mikania scandens, "climbing hempweed"
 Minuartia patula, "Pitcher's stitchwort"
 Monarda bradburiana, "eastern bee-balm"
 Muhlenbergia capillaris, "long-awn hairgrass"
 Muhlenbergia cuspidata, "plains ~~muhlenbergia~~ **muhly**"
 Myriophyllum pinnatum, "cutleaf water-milfoil"
 Myriophyllum tenellum, "slender water-milfoil"
 Orobanche fasciculata, "clustered broomrape"
 Orobanche riparia, "bottomland broomrape"
 Oryzopsis asperifolia, "white-grained mountain-ricegrass"
 Pachysandra procumbens, "Allegheny spurge"
 Penstemon canescens, "gray beardtongue"
 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~~ **scorpionweed**"
 Phacelia ranunculacea, "blue ~~scorpion-weed~~ **scorpionweed**"
 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"
 Piptatheropsis pungens, "slender mountain-ricegrass"
 Plantago cordata, "heart-leaved plantain"
 Platanthera ciliaris, "yellow-fringe orchid"
 Platanthera flava var. flava, "southern rein orchid"
 Platanthera leucophaea, "**eastern** 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"
Pycnanthemum verticillatum var. verticillatum, "whorled mountainmint"
 Pyrola asarifolia, "pink wintergreen"
 Quercus prinoides, "dwarf chinquapin oak"
 Ranunculus harveyi, "Harvey's buttercup"
 Ranunculus laxicaulis, "Mississippi buttercup"
 Ranunculus pusillus, "~~pursh~~ **Pursh's** buttercup"
 Rhynchospora nitens, "~~short beaked bald-rush~~" "**short-beaked bald-rush**"
 Rhynchospora recognita, "globe beaked-rush"
 Rorippa aquatica, "lake cress"
 Rubus setosus, "small bristleberry"
 Rudbeckia fulgida var. umbrosa, "coneflower"
 Salix cordata, "heartleaf willow"
 Sanguisorba canadensis, "Canada burnet"
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"
 Sida hermaphrodita, "Virginia mallow"
 Sideroxylon lycioides, "buckthorn bumelia"
 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 arcisepala, "Appalachian ladies'-tresses"
 Spiranthes magnicamporum, "Great Plains ladies'-tresses"
 Spiranthes romanzoffiana, "hooded ladies'-tresses"
Stuckenia filiformis ssp. occidentalis, "slender pondweed"
 Styrax grandifolius, "large-leaf snowbell"
 Taxus canadensis, "American yew"
 Thuja occidentalis, "northern white cedar"
 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"
Vandenboschia boschiana, "filmy fern"
Veratrum virginicum, "Virginia bunchflower"
Verbesina occidentalis, "yellow crownbeard"
Viburnum cassinoides, "northern wild-raisin"
Viburnum opulus var. *americanum*, "highbush-cranberry"
Viola baxteri, "Baxter's violet"
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"
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, "chamomile grape-fern"
Calyocarpum lyonii, "cup-seed"
~~*Cardamine pratensis* var. *palustris*~~ *dentata*, "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 hop 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"
Chrysosplenium americanum, "American golden-saxifrage"

Cirsium carolinianum, "Carolina thistle"
Clematis pitcheri, "Pitcher's leather-flower"
Clinopodium arkansanum, "calamint"
Coptis trifolia var. *groenlandica*, "goldthread"
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"
Euphorbia polygonifolia, "seaside spurge"
Euploca tenella, "slender heliotrope"
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"
Geum fragarioides, "barren strawberry"
Gonolobus suberosus, "angular-fruited milkvine"
Heterotheca camporum var. *camporum*, "hairy golden-aster"
Hexalectris spicata, "crested coralroot"
Hottonia inflata, "featherfoil"
Hudsonia tomentosa, "sand-heather"
Hylotelephium telephioides, "Allegheny stonecrop"
Hypericum dolabriforme, "straggling 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 cinerea, "butternut"
***Juncus articulatus*, "jointed rush"**

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"
Matelea obliqua, "angel pod"
Matteuccia struthiopteris, "ostrich fern"
Melothria pendula, "creeping cucumber"
Milium effusum, "tall millet-grass"
Minuartia michauxii var. *michauxii*, "Michaux's stitchwort"
Myosotis laxa, "smaller forget-me-not"
Myriophyllum verticillatum, "whorled water-milfoil"
Myriopteris lanosa, "hairy lipfern"
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"
Ophioglossum pusillum, "northern adder's-tongue"
Oxydendrum arboreum, "sourwood"
Panicum tuckermanii, "Tuckerman's panic-grass"
Panicum verrucosum, "warty panic-grass"
Patis racemosa, "black-fruit mountain-ricegrass"
Persicaria careyi, "Carey's smartweed"
Persicaria opelousana, "northern smartweed"
Phlox amplifolia, "large-leaved phlox"
Pinus banksiana, "jack pine"
Pinus strobus, "eastern white pine"
Piptochaetium avenaceum, "blackseed needlegrass"
Platanthera aquilonis, "**leafy** northern green orchid"
Platanthera psycodes, "small purple-fringe orchid"
~~*Poa alsodes*, "grove meadow grass"~~
Poa paludigena, "bog bluegrass"
Poa wolfii, "Wolf's bluegrass"
Pegonia ophioglossoides, "rose pegonia"
Polygonum articulatum, "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"
Prenanthes aspera, "rough rattlesnake-root"
Prunus pensylvanica, "fire cherry"
Pyrola americana, "American wintergreen"
~~*Rhamnus alnifolia*, "alder leaf buckthorn"~~
Rhexia mariana var. *mariana*, "Maryland meadow beauty"
Rhus aromatica var. *arenaria*, "beach sumac"
Rhynchospora corniculata, "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* ssp. *purpurea*, "purple 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"
Stenaria nigricans, "narrowleaf summer bluets"
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"
Thyrsanthella 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"
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 the tenth amendment, posted at 20200311-IR-312200085NRA, 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.

In ~~this~~ **the eleventh** amendment, **posted at 20201125-IR-312200601NRA**, most notably the ruffed grouse was added as an endangered species of bird and the cisco and western sand darter were added as endangered species of fish. The bald eagle was removed as a bird species of special concern and the northern brook lamprey was moved from the endangered list to the special concern list for fish. A number of bird and amphibian species were added as species of special concern. Several revisions were made to the lists of insects and plants, and spiders were identified separately within the section for insects. Numerous technical corrections to scientific names and correlating amendments were also made.

In this amendment, language was added in Section I to indicate that the specific or general locations of the endangered and threatened species listed in this roster are to be kept confidential pursuant to IC 14-9-2-5. A correction was made to the genus for the least tern in the endangered list for birds, and several duplicates were removed. One (1) species of insect was added to the list of extirpated species, four (4) species were removed from the list of rare or endangered species, and multiple species were added to the list of endangered, threatened and rare species of insects. Additional taxonomic changes were made to the lists for plants, in addition to spelling corrections. Seven (7) species of plants were added to the endangered species list, one was added to the list of threatened species, and eight (8) species were removed from the lists completely.