

**The Illinois Comprehensive Wildlife Conservation Plan & Strategy
Version 2.0 (the next 20 years)**

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Appendix I: Species of Greatest Conservation Need in the CWCP 2.0

There were two approaches used to identify Species of Greatest Conservation Need (**SGCN**) and Species of Greatest Information Need (**SGIN**) for the 2025 Illinois Wildlife Action Plan. Each of these approaches required a comprehensive evaluation of the current status of the species in Illinois before qualifying as a SGCN or SGIN.

1. All Illinois species that were included on the current State List of Threatened or Endangered Species were automatically considered SGCN as per prior practice. The 2025 [Illinois List of Endangered and Threatened Species](#) was used for this review.
2. Additional species were reviewed and considered as SGCN or SGIN as follows:
 - a. All species included as an Element within the Natural Heritage Database were reviewed.
 - b. Species believed to have been present at the time of statehood (3 December 1818) were considered as potential SGCN or SGIN – this is to avoid non-native species from consideration as conservation priorities.
 - c. Species with a Conservation Status Rank of S4 or S5 derived from the [NatureServe Conservation Status Assessment](#) methodology were considered demonstrably secure and therefore not SGCN or SGIN for the Wildlife Action Plan.
 - d. Species with a Conservation Status Rank of SNR or SX were not considered SGCN or SGIN due to the lack of any status assessment (SNR) or an evaluation that considers them no longer extant in Illinois (SX).
 - e. Species with a Conservation Status Rank of SNA were not considered SGCN or SGIN as this Rank indicates that the species is not considered a suitable target for conservation activities. This Rank would include most non-native species.
 - f. Species with a Conservation Status Rank of S3 are considered potentially vulnerable due to a variety of species specific factors (e.g., restricted range, recent declines, few known populations). However, we considered that the species with this Rank that were most at-risk would have qualified as SGCN under the T or E listing criteria (1. above) and did not include them as SGCN or SGIN based solely on their Conservation Status Rank.
 - g. Species with a Conservation Status Rank of S1 (including S1S2 and S1S3), or S2 (exclusive of S2S3) that had been accepted by the Natural Heritage Database were considered SGCN.
 - h. Species with a Conservation Status Rank of SH or SU that has been accepted by the Natural Heritage Database were considered SGIN.

This process was established so that species could more easily be added, or removed, as SGCN or SGIN as the Endangered Species List is revised and as conservation status ranks are updated (or completed for the first time). This approach allows for greater public input into the selection process as anyone can submit petitions to the Endangered Species Protection Board for listing as an Endangered or Threatened Species and the Conservation Status Rank Calculator is available

online at no cost for anyone to use. Calculated Ranks for wildlife or plant species can be submitted to the Division of Natural Heritage for status review at any time.

Many species that occur in Illinois have not ever been assessed or require updated status assessments. Therefore some at-risk species were likely not identified in this assessment. Most insect and other invertebrate groups have not been fully assessed. We will continue to work to update Conservation Status Ranks by Taxonomic Grouping. S-ranks for birds used in this assessment are associated with breeding status only. Many other birds use Illinois as habitat during the migration and non-breeding periods. We are working towards updating S-ranks of birds for migratory and non-breeding periods and expect additional species to meet the SGCN criteria once these process has been completed.

Table Ia. Wildlife Species of Greatest Conservation Need (SGCN). Three hundred and sixty wildlife species were identified as SGCN. One hundred and eighty-one qualified based on their status as Endangered (119 species) or Threatened (62 species). An additional one hundred and seventy-nine species qualified based on their Subnational (State) Conservation Status Rank of S1 (98), S1S2 (12), S1S3 (9), or S2 (60). Notes: Species are listed by Scientific Name within the listed Taxonomic Grouping. Common Names given are generally those listed by NatureServe although in a few cases a local common name is used or two common names are given. When two Scientific Names are given they are synonyms based on the listings within the NatureServe Explorer. Species have been assigned to a Campaign or a Natural Community Class based on their primary habitat use. Natural Community Classes are included within parentheses when listed for those that are not covered within a Campaign.

Fishes						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Lake Sturgeon	<i>Acipenser fulvescens</i>	Streams & Open Waters	SE	S1S2	G3	R
Western Sand Darter	<i>Ammocrypta clara</i>	Streams & Open Waters	SE	S2S3	G3	R
Eastern Sand Darter	<i>Ammocrypta pellucida</i>	Streams & Open Waters	ST	S3?	G4	
Longnose Sucker	<i>Catostomus catostomus</i>	Streams & Open Waters	ST	S1S2	G5	
Mottled Sculpin	<i>Cottus bairdii</i>	Streams & Open Waters	ST	S2	G5	
Banded Sculpin	<i>Cottus carolinae</i>	Streams & Open Waters		S2	G5	
Slimy Sculpin	<i>Cottus cognatus</i>	Streams & Open Waters		S1	G5	
Crystal Darter	<i>Crystallaria asprella</i>	Streams & Open Waters	SE	S1	G3	R
Blue Sucker	<i>Cycleptus elongatus</i>	Streams & Open Waters		S2	G3G4	
Blacktail Shiner	<i>Cyprinella venusta</i>	Streams & Open Waters		S1	G5	
Banded Pygmy Sunfish	<i>Elassoma zonatum</i>	Streams & Open Waters	ST	S1	G5	
Streamline Chub	<i>Erimystax dissimilis</i>	Streams & Open Waters	ST	SNR	G4	
Gravel Chub	<i>Erimystax x-punctatus</i>	Streams & Open Waters	ST	S2S3	G4	
Northern Pike	<i>Esox lucius</i>	Streams & Open Waters		S2?	G5	
Bluebreast Darter	<i>Etheostoma camurum</i>	Streams & Open Waters	SE	S2S3	G4	
Harlequin Darter	<i>Etheostoma histrio</i>	Streams & Open Waters	SE	S1S2	G5	
Stripetail Darter	<i>Etheostoma kennicotti</i>	Streams & Open Waters		S1S2	G4	
Cypress Darter	<i>Etheostoma proeliare</i>	Streams & Open Waters		S1	G5	

Fishes - continued

Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Shawnee Hills Cavefish	<i>Forbesichthys papilliferus</i>	Streams & Open Waters	ST	S1	G3	R
Northern Studfish	<i>Fundulus catenatus</i>	Streams & Open Waters		S1?	G5	
Western Banded Killifish	<i>Fundulus diaphanous subsp. menona</i>	Streams & Open Waters	ST	S1S2	G5	
Starhead Topminnow	<i>Fundulus dispar</i>	Streams & Open Waters	ST	S2S3	G4	
Western Silvery Minnow	<i>Hybognathus argyritis</i>	Streams & Open Waters		S2	G4	
Brassy Minnow	<i>Hybognathus hankinsoni</i>	Streams & Open Waters	SE	S1	G5	
Cypress Minnow	<i>Hybognathus hayi</i>	Streams & Open Waters	SE	S1	G4	
Plains Minnow	<i>Hybognathus placitus</i>	Streams & Open Waters		S1	G4	
Bigeye Chub	<i>Hybopsis amblops</i>	Streams & Open Waters	ST	S2S3	G5	
Pallid Shiner	<i>Hybopsis amnis</i>	Streams & Open Waters	SE	S2S3	G4	
Chestnut Lamprey	<i>Ichthyomyzon castaneus</i>	Streams & Open Waters		S2	G4	
Northern Brook Lamprey	<i>Ichthyomyzon fossor</i>	Streams & Open Waters	SE	S1	G4	
Silver Lamprey	<i>Ichthyomyzon unicuspis</i>	Streams & Open Waters		S1S3	G5	
Blue Catfish	<i>Ictalurus furcatus</i>	Streams & Open Waters		S2	G5	
Least Brook Lamprey	<i>Lampetra aepyptera</i>	Streams & Open Waters	ST	S2?	G5	
Redear Sunfish	<i>Lepomis microlophus</i>	Streams & Open Waters		S2	G5	
Redspotted Sunfish	<i>Lepomis miniatus</i>	Streams & Open Waters	ST	S2S3	G5	
Bantam Sunfish	<i>Lepomis symmetricus</i>	Streams & Open Waters	ST	S1	G5	
American Brook Lamprey	<i>Lethenteron appendix</i>	Streams & Open Waters	ST	S1S2	G4	

Fishes - continued						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Burbot	<i>Lota lota</i>	Streams & Open Waters		S1S2	G5	
Ribbon Shiner	<i>Lythrurus fumeus</i>	Streams & Open Waters		S1	G5	
Sturgeon Chub	<i>Macrhybopsis gelida</i>	Streams & Open Waters	SE	S1	G3	R
Sicklefin Chub	<i>Macrhybopsis meeki</i>	Streams & Open Waters		S1	G3	R
River Redhorse	<i>Moxostoma carinatum</i>	Streams & Open Waters	ST	S3S4	G4	
Greater Redhorse	<i>Moxostoma valenciennesi</i>	Streams & Open Waters	SE	S3?	G4	
River Chub	<i>Nocomis micropogon</i>	Streams & Open Waters	SE	SH	G5	
Tippecanoe Darter	<i>Nothonotus tippecanoe</i>	Streams & Open Waters	ST	SNR	G3	
Pugnose Shiner	<i>Notropis anogenus</i>	Streams & Open Waters	SE	S1S2	G3	R
Bigeye Shiner	<i>Notropis boops</i>	Streams & Open Waters	SE	S2S3	G5	
Ironcolor Shiner	<i>Notropis chalybaeus</i>	Streams & Open Waters	ST	S3?	G4	
Blackchin Shiner	<i>Notropis heterodon</i>	Streams & Open Waters	ST	S2?	G5	
Blacknose Shiner	<i>Notropis heterolepis</i>	Streams & Open Waters	SE	S1S3	G5	R
Taillight Shiner	<i>Notropis maculatus</i>	Streams & Open Waters	SE	SNR	G5	
Ozark Minnow	<i>Notropis nubilus</i>	Streams & Open Waters	ST	S2	G5	
Weed Shiner	<i>Notropis texanus</i>	Streams & Open Waters	SE	S3S4	G5	
Mountain Madtom	<i>Noturus eleutherus</i>	Streams & Open Waters		S1	G4	
Northern Madtom	<i>Noturus stigmosus</i>	Streams & Open Waters	SE	S1S2	G3	R
Trout-Perch	<i>Percopsis omiscomaycus</i>	Streams & Open Waters	ST	S1	G5	

Fishes - continued						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
North American Paddlefish	<i>Polyodon spathula</i>	Streams & Open Waters		S1	G4	
Round Whitefish	<i>Prosopium cylindraceum</i>	Streams & Open Waters		S2	G5	
Ninespine Stickleback	<i>Pungitius pungitius</i>	Streams & Open Waters		S1S2	G5	
Longnose Dace	<i>Rhinichthys cataractae</i>	Streams & Open Waters		S2?	G5	
Lake Trout	<i>Salvelinus namaycush</i>	Streams & Open Waters		S2?	G5	
Pallid Sturgeon	<i>Scaphirhynchus albus</i>	Streams & Open Waters	SE	S2?	G2	R

Amphibians						
Common Name	Scientific Name	Campaign	Listing Status	State	Global Rank	RSGCN
Jefferson Salamander	<i>Ambystoma jeffersonianum</i>	Forests & Woodlands	ST	S2?	G4	
Silvery Salamander	<i>Ambystoma platineum</i>	Permanent & Seasonal Wetlands	SE	S2?	GNR	
Hellbender	<i>Cryptobranchus alleganiensis</i>	Streams & Open Waters	SE	SH	G3	R
Spotted Dusky Salamander	<i>Desmognathus conanti</i>	Streams & Open Waters	SE	S1S2	G4	
Bird-voiced Treefrog	<i>Dryophytes avivoca</i>	Permanent & Seasonal Wetlands	ST	S2?	G5	
Eastern Narrow-mouthed Toad	<i>Gastrophryne carolinensis</i>	Prairies & Savannas	ST	S1S2	G5	
Four-toed Salamander	<i>Hemidactylium scutatum</i>	Permanent & Seasonal Wetlands	ST	S1S2	G5	R
Mudpuppy	<i>Necturus maculosus</i>	Permanent & Seasonal Wetlands	ST	S1S2	G5	R
Illinois Chorus Frog	<i>Pseudacris illinoensis</i>	Permanent & Seasonal Wetlands	ST	S2S3	G2	R

Reptiles						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Smooth Softshell Turtle	<i>Apalone mutica</i>	Streams & Open Waters	ST	S1S3	G5	
Spotted Turtle	<i>Clemmys guttata</i>	Permanent & Seasonal Wetlands	SE	S1S2	G5	R
Kirtland's Snake	<i>Clonophis kirtlandii</i>	Prairies & Savannas	ST	S1S2	G2	R
Coachwhip	<i>Coluber flagellum</i>	Permanent & Seasonal Wetlands	SE	SH	G5	
Timber Rattlesnake	<i>Crotalus horridus</i>	Forests & Woodlands	ST	S2S3	G4	R
Blanding's Turtle	<i>Emydoidea blandingii</i>	Permanent & Seasonal Wetlands	SE	S3?	G4	R
Plains Hog-nosed Snake	<i>Heterodon nasicus</i>	Prairies & Savannas	ST	S2	G5	R
Yellow Mud Turtle	<i>Kinosternon flavescens</i>	Prairies & Savannas	SE	S1?	G5	R
Alligator Snapping Turtle	<i>Macrochelys temminckii</i>	Streams & Open Waters	SE	S1	G3	
Mississippi Green Watersnake	<i>Nerodia cyclopion</i>	Permanent & Seasonal Wetlands	ST	S1	G5	
Southern Watersnake	<i>Nerodia fasciata</i>	Permanent & Seasonal Wetlands	SE	SH	G5	
Great Plains Ratsnake	<i>Pantherophis emoryi</i>	Forests & Woodlands	SE	S1	G5	
River Cooter	<i>Pseudemys concinna</i>	Streams & Open Waters	SE	S1?	G5	
Eastern Massasauga	<i>Sistrurus catenatus</i>	Prairies & Savannas	SE	S1S2	G3	R
Flat-headed Snake	<i>Tantilla gracilis</i>	Forests & Woodlands	ST	S1	G5	
Ornate Box Turtle	<i>Terrapene ornata</i>	Prairies & Savannas	ST	S1S3	G4G5	
Eastern Ribbonsnake	<i>Thamnophis sauritus</i>	Permanent & Seasonal Wetlands	ST	S1S2	G5	
Lined Snake	<i>Tropidoclonion lineatum</i>	Prairies & Savannas	ST	S1	G5	

Birds						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Sharp-shinned Hawk	<i>Accipiter striatus</i>	Forests & Woodlands		S1S2	G5	
Saw-whet Owl	<i>Aegolius acadicus</i>	Forests & Woodlands		S1?	G5	
Northern Pintail	<i>Anas acuta</i>	Permanent & Seasonal Wetlands		S1	G5	
Northern Shoveler	<i>Anas clypeata</i>	Permanent & Seasonal Wetlands		S1	G5	
Chuck-Will's-Widow	<i>Antrostomus carolinensis</i>	Forests & Woodlands	ST	S1S2	G5	
Short-eared Owl	<i>Asio flammeus</i>	Prairies & Savannas	SE	S1S2	G5	R
Long-eared Owl	<i>Asio otus</i>	Forests & Woodlands		S1	G5	
Upland Sandpiper	<i>Bartramia longicauda</i>	Prairies & Savannas	SE	S2S3	G5	R
American Bittern	<i>Botaurus lentiginosus</i>	Permanent & Seasonal Wetlands	SE	S2?	G5	
Swainson's Hawk	<i>Buteo swainsoni</i>	Forests & Woodlands	SE	SNR	G5	
Rufa Red Knot	<i>Calidris canutus rufa</i>	Permanent & Seasonal Wetlands	ST	SX	G4	
Pine Siskin	<i>Carduelis pinus</i>	Prairies & Savannas		S2	G5	
Piping Plover	<i>Charadrius melodus</i>	(Shore)	ST	S1	G3	R
Black Tern	<i>Chlidonias niger</i>	Permanent & Seasonal Wetlands	SE	S1	G4	R
Northern Harrier	<i>Circus hudsonius</i>	Prairies & Savannas	SE	S1S3	G5	
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>	Forests & Woodlands	ST	S1S2	G5	R

Birds - continued						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Fish Crow	<i>Corvus ossifragus</i>	Forests & Woodlands		S2	G5	
Little Blue Heron	<i>Egretta caerulea</i>	Forests & Woodlands	SE	S1S2	G5	
Snowy Egret	<i>Egretta thula</i>	Forests & Woodlands	SE	SNR	G5	
Alder Flycatcher	<i>Empidonax alnorum</i>	Permanent & Seasonal Wetlands		S2	G5	
Brewer's Blackbird	<i>Euphagus cyanocephalus</i>	Forests & Woodlands		S1	G5	
Common Gallinule	<i>Gallinula galeata</i>	Permanent & Seasonal Wetlands	SE	S2	G5	
Black-necked Stilt	<i>Himantopus mexicanus</i>	Permanent & Seasonal Wetlands		S1	G5	
Least Bittern	<i>Ixobrychus exilis</i>	Permanent & Seasonal Wetlands	ST	S3?	G4	
Loggerhead Shrike	<i>Lanius ludovicianus</i>	Prairies & Savannas	SE	S1S3	G4	R
Herring Gull	<i>Larus argentatus</i>	Streams & Open Waters		S2	G5	
Ring-billed Gull	<i>Larus delawarensis</i>	Streams & Open Waters		S2	G5	
Black Rail	<i>Laterallus jamaicensis</i>	Permanent & Seasonal Wetlands	SE	S1	G3	
Swainson's Warbler	<i>Limnothlypis swainsonii</i>	Forests & Woodlands	SE	S1	G4	
Red Crossbill	<i>Loxia curvirostra</i>	Forests & Woodlands		S1	G5	
Yellow-crowned Night-heron	<i>Nyctanassa violacea</i>	Forests & Woodlands	SE	S2?	G5	
Black-crowned Night-heron	<i>Nycticorax nycticorax</i>	Permanent & Seasonal Wetlands	SE	S2?	G5	

Birds - continued						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Mourning Warbler	<i>Oporornis philadelphia</i>	Permanent & Seasonal Wetlands		S1S2	G5	
Ruddy Duck	<i>Oxyura jamaicensis</i>	Permanent & Seasonal Wetlands		S2	G5	
Osprey	<i>Pandion haliaetus</i>	Forests & Woodlands	ST	S3S4	G5	
Double-crested Cormorant	<i>Phalacrocorax auritus</i>	Permanent & Seasonal Wetlands		S2	G5	
Wilson's Phalarope	<i>Phalaropus tricolor</i>	Permanent & Seasonal Wetlands	SE	S2?	G4	
King Rail	<i>Rallus elegans</i>	Permanent & Seasonal Wetlands		S2	G4	
Golden-crowned Kinglet	<i>Regulus satrapa</i>	Forests & Woodlands		S1	G5	
Cerulean Warbler	<i>Setophaga cerulea</i>	Forests & Woodlands	ST	S1S2	G4	R
Red-breasted Nuthatch	<i>Sitta canadensis</i>	Forests & Woodlands		S1	G5	
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	Forests & Woodlands		S1S2	G5	
Clay-colored Sparrow	<i>Spizella pallida</i>	Prairies & Savannas		S1	G5	
Forster's Tern	<i>Sterna forsteri</i>	Permanent & Seasonal Wetlands	SE	S1?	G5	
Common Tern	<i>Sterna hirundo</i>	Permanent & Seasonal Wetlands	SE	S1	G5	
Least Tern	<i>Sternula antillarum</i>	Permanent & Seasonal Wetlands	SE	S2?	G4	R
Bewick's Wren	<i>Thryomanes bewickii</i>	Forests & Woodlands	SE	S1	G5	

Birds - continued						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Greater Prairie-chicken	<i>Tympanuchus cupido</i>	Prairies & Savannas	SE	S1S2	G4	R
Western Kingbird	<i>Tyrannus verticalis</i>	Prairies & Savannas		S1	G5	
Golden-winged Warbler	<i>Vermivora chrysoptera</i>	Forests & Woodlands		S1S2	G5	
Nashville Warbler	<i>Vermivora ruficapilla</i>	Permanent & Seasonal Wetlands		S1	G5	
Solitary Vireo	<i>Vireo solitarius</i>	Forests & Woodlands		S1	G5	
Canada Warbler	<i>Wilsonia canadensis</i>	Permanent & Seasonal Wetlands		S1	G5	
Yellow-headed Blackbird	<i>Xanthocephalus xanthocephalus</i>	Permanent & Seasonal Wetlands	SE	S2?	G5	

Mammals						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGN
Gray/Timber Wolf	<i>Canis lupus</i>	Prairies & Savannas	SE	S1S2	G5	
Rafinesque's Big-eared Bat	<i>Corynorhinus rafinesquii</i>	(Cave)	SE	S1	G3	
River Otter	<i>Lontra canadensis</i>	Streams & Open Waters		S2	G5	
Southeastern Myotis	<i>Myotis austroriparius</i>	(Cave)	SE	S1	G4	
Gray Bat	<i>Myotis grisescens</i>	(Cave)	SE	S1	G4	R
Eastern Small-Footed Myotis	<i>Myotis leibii</i>	(Cave)	ST	S1S2	G4	
Northern Long-eared Bat	<i>Myotis septentrionalis</i>	(Cave)	ST	S1?	G1	R
Indiana Bat	<i>Myotis sodalis</i>	(Cave)	SE	S1S2	G2	R
Eastern Wood Rat	<i>Neotoma floridana</i>	Forests & Woodlands		S2?	G5	
Franklin's Ground Squirrel	<i>Poliocitellus franklinii</i>	Prairies & Savannas	ST	S1S2	G5	R

Bivalvia (Mussels)						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Purple Wartyback	<i>Cyclonaias tuberculata</i>	Streams & Open Waters	ST	S2S3	G5	R
Fanshell	<i>Cyprogenia stegaria</i>	Streams & Open Waters	SE	S1	G1	R
Butterfly	<i>Ellipsaria lineolata</i>	Streams & Open Waters	ST	S2S3	G4	R
Elephantear	<i>Elliptio crassidens</i>	Streams & Open Waters	SE	S2?	G5	R
Spike	<i>Elliptio dilatata</i>	Streams & Open Waters	SE	S3?	G5	
Northern Riffleshell	<i>Epioblasma rangiana</i>	Streams & Open Waters	SE	S1?	G1	R
Snuffbox	<i>Epioblasma triquetra</i>	Streams & Open Waters	SE	S1	G2G3	R
Spike	<i>Eurynia dilatata</i>	Streams & Open Waters	SE	S3?	G5	
Pink Mucket	<i>Lampsilis abrupta</i>	Streams & Open Waters	SE	SH	G1	R
Wavy-rayed Lampmussel	<i>Lampsilis fasciola</i>	Streams & Open Waters	SE	S1S2	G4	
Higgins Eye	<i>Lampsilis higginsii</i>	Streams & Open Waters	SE	S2?	G1	R
Pocketbook	<i>Lampsilis ovata</i>	Streams & Open Waters		S1S2	G5	R
Scaleshell Mussel	<i>Leptodea leptodon</i>	Streams & Open Waters	SE	S1	G1	R
Spectaclecase	<i>Margaritifera monodonta</i>	Streams & Open Waters	SE	S1?	G2	R
Orangefoot Pimpleback	<i>Plethobasus cooperianus</i>	Streams & Open Waters	SE	S1	G1	R
Sheepnose	<i>Plethobasus cyphus</i>	Streams & Open Waters	SE	S1S2	G2G3	R
Clubshell	<i>Pleurobema clava</i>	Streams & Open Waters	SE	S1S2	G1	R
Ohio Pigtoe	<i>Pleurobema cordatum</i>	Streams & Open Waters	SE	S1S2	G3G4	R
Fat Pocketbook	<i>Potamilus capax</i>	Streams & Open Waters	SE	S1S3	G3	R

Bivalvia (Mussels) - continued						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Bleufer	<i>Potamilus purpuratus</i>	Streams & Open Waters		S1	G5	
Kidneyshell	<i>Ptychobranthus fasciolaris</i>	Streams & Open Waters	SE	S1S2	G4	R
Monkeyface	<i>Quadrula metanevra</i>	Streams & Open Waters	ST	S2S3	G4	
Monkeyface	<i>Quadrula sparsa</i>	Streams & Open Waters	ST	S2S3	G4	
Ebonysell	<i>Reginaia ebenus</i>	Streams & Open Waters	SE	S2	G4	R
Salamander Mussel	<i>Simpsonaias ambigua</i>	Streams & Open Waters	SE	S1	G1G2	R
Rabbitsfoot	<i>Theliderma cylindrica</i>	Streams & Open Waters	SE	S1S2	G3	R
Purple Lilliput	<i>Toxolasma lividum</i>	Streams & Open Waters	SE	S2?	G3	R
Ellipse	<i>Venustaconcha ellipsiformis</i>	Streams & Open Waters		S2?	G4	R
Rainbow Mussel	<i>Villosa iris</i>	Streams & Open Waters	SE	S1S2	G4G5	

Gastropoda						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Iowa Pleistocene Snail	<i>Discus macclintocki</i>	(Bedrock)	SE	S1	G1	
Missouri Cave Snail, Enigmatic Cavesnail	<i>Fontigens antroecetes</i>	Streams & Open Waters	SE	S1	G2	
Onyx Rocksnail	<i>Leptoxis praerosa</i>	Streams & Open Waters	SE	SNR	G5	
Shawnee Rocksnail	<i>Lithasia obovata</i>	Streams & Open Waters	SE	S1	G4	
Carinate Pillsnail	<i>Stenotrema hubrichti</i> (<i>Euchemotrema hubrichti</i>)	(Bedrock)		S1S3	G2	

Arachnids						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Striped Scorpion	<i>Centruroides vittatus</i>	Forests & Woodlands	SE	S1S2	GNR	

Crustaceans						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Cave Obligate Isopod	<i>Caecidotea lesliei</i>	(Cave)	SE	S1	G1G2	
Packard's Cave Isopod	<i>Caecidotea packardi</i>	(Cave)	SE	SNR	G2G4	
Dwarf Crayfish	<i>Cambarellus puer</i>	Streams & Open Waters		S2	G5	
Anomalous Spring Amphipod	<i>Crangonyx anomalus</i>	(Cave)	SE	SU	G4G5	
Packard's Cave Amphipod	<i>Crangonyx packardi</i>	(Cave)	SE	S1	G4	
Indiana Crayfish	<i>Faxonius indianensis</i>	Streams & Open Waters	SE	S2?	G3	
Kentucky Crayfish	<i>Faxonius kentuckiensis</i>	Streams & Open Waters	SE	S1	G4	
Shrimp Crayfish	<i>Faxonius lancifer</i>	Streams & Open Waters	SE	S1	G5	
Bigclaw Crayfish	<i>Faxonius placidus</i>	Streams & Open Waters	SE	S1S2	G5	
Little Wabash Crayfish	<i>Faxonius stannardi</i>	Streams & Open Waters	SE	S2	G2G3	
Illinois Cave Amphipod	<i>Gammarus acherondytes</i>	(Cave)	SE	S1S2	G2G3	
Bousfield's Amphipod	<i>Gammarus bousfieldi</i>	Streams & Open Waters		S1	G1	
Crayfish	<i>Orconectes stannardi</i>	Streams & Open Waters		S2	G2G3	
Crayfish	<i>Procambarus viaeviridis</i>	Permanent & Seasonal Wetlands		S2	G5	
Iowa Amphipod	<i>Stygobromus iowae</i>	(Cave)	SE	S1	G2G3	
Subtle Cave Amphipod	<i>Stygobromus subtilis</i>	(Cave)		S2	G2	

Poduromorpha						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Madonna Cave Springtail	<i>Pygmarhopalites madonnensis</i>	(Cave)	SE	SNR	GNR	

Coleoptera						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Tiger Beetle	<i>Cicindela unipunctata</i>	Streams & Open Waters		S2	G4	
Variiegated False Water Penny Beetle	<i>Dicranopselaphus variegatus</i>	Streams & Open Waters		S1S3	G1G3	

Ephemeroptera						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Small Minnow Mayfly	<i>Anafroptilum bifurcatum</i>	Streams & Open Waters		S1	G5	R
Springbrook Small Minnow Mayfly	<i>Baetis tricaudatus</i>	Streams & Open Waters		S1	G5	
Laurentian armored Mayfly	<i>Baetisca laurentina</i>	Streams & Open Waters		S1	G5	
Obese Armored Mayfly	<i>Baetisca obesa</i>	Streams & Open Waters		S2	G5	R
Sand-Loving Caenid Mayfly	<i>Cercobrachys winnebago</i>	Streams & Open Waters		S1	G3	R
Spiny Crawler Mayfly	<i>Ephemerella needhami</i>	Streams & Open Waters		S1	G5	
Spiny Crawler Mayfly	<i>Eurylophella funeralis</i>	Streams & Open Waters		S1	G5	R
Spiny Crawler Mayfly	<i>Eurylophella lutulenta</i>	Streams & Open Waters		S1	G5	R
Spiny Crawler Mayfly	<i>Eurylophella temporalis</i>	Streams & Open Waters		S2	G5	
Sand-Loving Large Minnow Mayfly	<i>Homoeoneuria ammophila</i>	Streams & Open Waters		S1	G4	R
Flatheaded Mayfly	<i>Macdunnoa persimplex</i>	Streams & Open Waters		S1	G4	R
Fork Gilled Mayfly	<i>Paraleptophlebia sticta</i>	Streams & Open Waters		S1	G2	R
a mayfly	<i>Plauditus veteris</i>	Streams & Open Waters		S1	G3	R
Flatheaded Mayfly	<i>Raptoheptagenia cruentata</i>	Streams & Open Waters		S1	G4	
Frison's Serratellan Mayfly	<i>Serratella frisoni</i>	Streams & Open Waters		S1	G4	
Horned Caenid Mayfly	<i>Sparbarus lacustris</i>	Streams & Open Waters		S1	G4	
Gildersleeve's <i>Stenacron</i> Mayfly	<i>Stenacron gildersleevei</i>	Streams & Open Waters		S1	G4	
Spiny Crawler Mayfly	<i>Teloganopsis deficiens</i>	Streams & Open Waters		S1	G5	

Hemiptera						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Red-tailed Prairie Leafhopper	<i>Aflexia rubranura</i>	Prairies & Savannas	ST	S2	G2	
Ball's Anthysanella	<i>Athysanella balli</i>	Prairies & Savannas	SE	S1	GNR	
a leafhopper	<i>Athysanella incongrua</i>	Prairies & Savannas	SE	S1	GNR	
a leafhopper	<i>Commellus colon</i>	Prairies & Savannas	SE		GNR	
Fitch's Elephanthopper	<i>Fitchiella robertsoni</i>	Prairies & Savannas	ST	SNR	GNR	
a leafhopper	<i>Flexamia albida</i>	Prairies & Savannas	ST	SNR	GNR	
Sand reed leafhopper	<i>Flexamia grammica</i>	Prairies & Savannas	SE	SNR	GNR	
Leafhopper	<i>Paraphlepsius lupalus</i>	Prairies & Savannas		S1	GNR	
Fulgorid planthopper	<i>Poblicia fuliginosa</i>	Prairies & Savannas	ST			
Ross Polyamia	<i>Polyamia rossi</i>	Prairies & Savannas	ST	SNR	GNR	

Hymenoptera						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Eastern scaly miner bee	<i>Andrena quintilis</i>	Prairies & Savannas	SE	SNR	GNR	
Virginia mining bee	<i>Andrena virginiana</i>	Prairies & Savannas	SE	SNR	G5	
Walsh's Digger Bee	<i>Anthophora walshii</i>	Prairies & Savannas	ST	SNR	G4	
Rusty-patched Bumble Bee	<i>Bombus affinis</i>	Prairies & Savannas	SE	S1	G1	
a leafcutter bee	<i>Coelioxys galactiae</i>	Prairies & Savannas		S1	GNR	
Alumroot cellophane bee	<i>Colletes aestivalis</i>	Prairies & Savannas	SE	SNR	GNR	
White Plasterer Bee	<i>Colletes albescens</i>	Prairies & Savannas		S1	GNR	
Andrew's cellophane bee	<i>Colletes andrewsi</i>	Prairies & Savannas	SE	SNR	GNR	
a Cellophane Bee	<i>Colletes ciliatus</i>	Prairies & Savannas		S1	GNR	
Baker's Nomia	<i>Dieunomia nevadensis bakeri</i>	Prairies & Savannas	ST	SNR	GNR	
Ainslie's Cuckoo Nomad Bee or Ainslie's epeolus	<i>Epeolus ainsliei</i>	Prairies & Savannas	SE	SNR	GNR	
Interrupted Cuckoo Nomad Bee or Interrupted Epeolus	<i>Epeolus interruptus</i>	Prairies & Savannas	SE	SNR	GNR	
Common Loosestrife Oil Bee or Naked oil-collecting bee	<i>Macropis nuda</i>	Permanent & Seasonal Wetlands	SE	SNR	GNR	
a leafcutter bee	<i>Megachile dakotensis</i>	Prairies & Savannas		S1	G2G3	
a leafcutter bee	<i>Megachile ingenua</i>	Prairies & Savannas		S1	G2	
a leafcutter bee	<i>Megachile integra</i>	Prairies & Savannas		S1	G2G3	
a leafcutter bee	<i>Megachile rugifrons</i>	Prairies & Savannas		S1	G2G3	
Pickerelweed Long-horned Bee or Pickerelweed long-nosed bee	<i>Melissodes apicatus</i>	Permanent & Seasonal Wetlands	SE	SNR	GNR	
Norton's Alkali Bee	<i>Nomia nortoni</i>	Forests & Woodlands	ST	SNR	G5?	
A Mining Bee	<i>Protandrena bancrofti</i>	Prairies & Savannas	ST	SNR	GNR	

Lepidoptera						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Bell's Roadside Skipper	<i>Amblyscirtes belli</i>	Forests & Woodlands		S1?	G4	
Carolina Roadside Skipper	<i>Amblyscirtes carolina</i>	Forests & Woodlands		S1?	G3G4	
Revered Roadside-Skipper	<i>Amblyscirtes reversa</i>	Forests & Woodlands		S1?	G3	
Aphrodite fritillary	<i>Argynnis aphrodite</i>	Prairies & Savannas	ST	SNR	G5	
Arogos Skipper	<i>Atrytone arogos</i>	Prairies & Savannas		S1	G2G3	
Golden-banded Skipper	<i>Autochton cellus</i>	Forests & Woodlands		S1S3	G5	
Swamp Metalmark	<i>Calephelis muticum</i>	Permanent & Seasonal Wetlands	SE	S1S2	G3	
Hoary Elfin	<i>Callophrys polios</i>	Forests & Woodlands	SE	S1	G5	
Moth	<i>Celastrina ebenina</i>	Forests & Woodlands		S2	GU	
Black-etched Prominent Moth	<i>Cerura scitiscrupta multiscrupta</i>	Forests & Woodlands		S2	G5	
Clostera Prominent Moth	<i>Clostera strigosa</i>	Permanent & Seasonal Wetlands		S2	G4G5	
Drexel's Datana	<i>Datana drexelii</i>	Forests & Woodlands		S1	G5	
Creole Pearly Eye	<i>Enodia creola</i>	Forest & Woodlands		S1S3	G4	
Mottled Duskywing	<i>Erynnis martialis</i>	Prairies & Savannas		S1	G3	R
Olympia Marble	<i>Euchloe olympia</i>	Prairies & Savannas		S2	G4	
a torticid moth	<i>Eucosma bipunctella</i>	Prairies & Savannas		S1	GNR	
Two-Spotted Skipper	<i>Euphyes bimacula</i>	Prairies & Savannas		S2	G4	R
Duke's Skipper	<i>Euphyes dukesi</i>	Permanent & Seasonal Wetlands		S1	G3	
Northern Hairstreak	<i>Fixsenia ontario</i>	Forests & Woodlands		S1S3	G5T4	
Buck Moth	<i>Hemileuca maia</i>	Prairies & Savannas		S1	G5	
Cobweb Skipper	<i>Hesperia metea</i>	Prairies & Savannas	SE	S3	G4	

Lepidoptera - continued						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Ottoo Skipper	<i>Hesperia ottoe</i>	Prairies & Savannas	SE	S2	G3G4	
Indian Skipper	<i>Hesperia sassacus</i>	Prairies & Savannas		S2	G5	
Hoary Elfin	<i>Incisalia polios</i>	Forests & Woodlands	SE	S1	G5	
Creole Pearly-Eye	<i>Lethe creola</i>	Forests & Woodlands		S1S3	G3G4	
Karner Blue Butterfly	<i>Lycaeides melissa samuelis</i>	Prairies & Savannas	SE	S1	G1G2	
Rattlesnake-Master Borer Moth or Eryngium Stem Borer	<i>Papaipema eryngii</i>	Prairies & Savannas	ST	S2S3	G1G2	
Osmunda Borer or Regal Fern Borer	<i>Papaipema speciosissima</i>	Prairies & Savannas		S1S2	G3G4	
Mulberry Skipper	<i>Poanes massasoit</i>	Permanent & Seasonal Wetlands		S2	G4	
Yehl Skipper	<i>Poanes yehl</i>	Forests & Woodlands		S1?	G4	
Long Dash Skipper	<i>Polites mystic</i>	Permanent & Seasonal Wetlands		S1S3	G5	
a butterfly	<i>Satyrrium edwardsii</i>	Prairies & Savannas		S1S3	G4	
Goldenrod Flower Moth	<i>Schinia nundina</i>	Prairies & Savannas		S1S2	G5	
Plain Schizura	<i>Schizura apicalis</i>	Prairies & Savannas		S1	G3	
Regal Fritillary	<i>Speyeria idalia, Argynnis idalia</i>	Prairies & Savannas	ST	S2S3	G3	
Canada Sphinx	<i>Sphinx canadensis</i>	Forests & Woodlands		S2	G4	
Franck's Sphinx	<i>Sphinx franckii</i>	Forests & Woodlands		S1	G4G5	
Canadian Sphinx Moth; Clemens' Hawkmoth	<i>Sphinx luscitiosa</i>	Prairies & Savannas		S1	G4	
Vashti Sphinx	<i>Sphinx vashti</i>	Forests & Woodlands		S1	G5	
Prominent Moth	<i>Symmerista leucitys</i>	Forests & Woodlands		S1	G5	
Purplish Copper	<i>Tharsalea helloides</i>	Prairies & Savannas	ST	S2S3	G5	

Odonata						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Comet Darner	<i>Anax longipes</i>	Streams & Open Waters		S2	G5	
Damselfly	<i>Argia plana</i>	Streams & Open Waters		S1	G5	
Blue-ringed Dancer	<i>Argia sedula</i>	Streams & Open Waters		S2	G5	
Dusky Dancer	<i>Argia translata</i>	Streams & Open Waters		S1	G5	
Horned Clubtail	<i>Arigomphus cornutus</i>	Streams & Open Waters		S1	G4	
Bayou Clubtail	<i>Arigomphus maxwelli</i>	Permanent & Seasonal Wetlands		S1S2	G5	
Unicorn Clubtail	<i>Arigomphus villosipes</i>	Streams & Open Waters		S2	G5	
River Jewelwing	<i>Calopteryx aequabilis</i>	Streams & Open Waters		S1	G5	
Brown Spiketail	<i>Cordulegaster bilineata</i>	Streams & Open Waters		S1?	G5	
Tiger Spiketail	<i>Cordulegaster erronea</i>	Streams & Open Waters		S1?	G4	
Checkered Setwing	<i>Dythemis fugax</i>	Streams & Open Waters		S1	G5	
River Bluet	<i>Enallagma anna</i>	Streams & Open Waters		S1	G5	
Turquoise Bluet	<i>Enallagma divagans</i>	Streams & Open Waters		S1	G5	
Slender Bluet	<i>Enallagma traviatum</i>	Streams & Open Waters		S2	G5	
Eastern Ringtail	<i>Erpetogomphus designatus</i>	Permanent & Seasonal Wetlands		S2	G5	
Cocoa Clubtail	<i>Gomphurus hybridus</i> or <i>Gomphus hybridus</i>	Streams & Open Waters		S1	G4	
Dragonhunter	<i>Hagenius brevistylus</i>	Streams & Open Waters		S1	G5	
Four-spotted Skimmer	<i>Libellula quadrimaculata</i>	Streams & Open Waters		S2	G5	
Allegheny River Cruiser	<i>Macromia alleghaniensis</i>	Streams & Open Waters		S1	G4	

Odonata - continued						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Elfin Skimmer	<i>Nannothemis bella</i>	Permanent & Seasonal Wetlands	SE	S1?	G4	R
Smoky Shadowfly	<i>Neurocordulia molesta</i>	Streams & Open Waters		S1S2	G4	
Orange Shadowdragon	<i>Neurocordulia xanthosoma</i>	Streams & Open Waters		S2	G5	
Rusty Snaketail	<i>Ophiogomphus rupinsulensis</i>	Streams & Open Waters		S1	G5	
Spatterdock Darner	<i>Rhionaeschna mutata</i>	Streams & Open Waters		S2	G4	R
Spatterdock Darner	<i>Rhionaeschna mutata</i> or <i>Aeshna mutata</i>	Streams & Open Waters		S2	G4	
Hine's Emerald Dragonfly	<i>Somatochlora hineana</i>	Permanent & Seasonal Wetlands	SE	S1S2	G2	R
Clamp-tipped Emerald	<i>Somatochlora tenebrosa</i>	Streams & Open Waters		S2	G5	
Riverine Clubtail	<i>Stylurus amnicola</i>	Streams & Open Waters		S2	G4	
Elusive Clubtail	<i>Stylurus notatus</i>	Streams & Open Waters		S1	G3	R
Saffron-winged Meadowhawk	<i>Sympetrum costiferum</i>	Permanent & Seasonal Wetlands		S2	G5	
Gray Petaltail	<i>Tachopteryx thoreyi</i>	Permanent & Seasonal Wetlands		S1	G4	R
Duckweed Forktail or Duckweed Firetail	<i>Telebasis byersi</i>	Permanent & Seasonal Wetlands		S1	G5	

Phasmida						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Prairie Walkingstick	<i>Diaperomera velii</i>	Prairies & Savannas		S1?	GNR	

Plecoptera						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Constricted Stone	<i>Acroneuria evoluta</i>	Streams & Open Waters		S2	G5	
Illinois Stone	<i>Acroneuria filicis</i>	Streams & Open Waters		S2	G5	R
Brook Snowfly	<i>Allocapnia nivicola</i>	Streams & Open Waters		S1	G5	
Three-Lobed Snowfly	<i>Allocapnia smithi</i>	Streams & Open Waters		S2	G4	R
Robust Springfly	<i>Diploperla robusta</i>	Streams & Open Waters	SE	S1	G5	
Rock Island Springfly	<i>Isogenoides varians</i>	Streams & Open Waters		S2	G3	R
Banded Stripetail	<i>Isoperla burksi</i>	Streams & Open Waters		S2	G4	
Texas Stripetail	<i>Isoperla irregularis</i>	Streams & Open Waters		S1	GNR	
Midwestern Stripetail	<i>Isoperla marlynia</i>	Streams & Open Waters		S1	G5	R
Narrow-Lobed Needlefly	<i>Leuctra tenuis</i>	Streams & Open Waters		S1	G5	
Three-Spined Forestfly	<i>Nemoura arctica</i>	Permanent & Seasonal Wetlands		S2	G5	
Slippery Stone	<i>Neoperla catharae</i>	Streams & Open Waters		S2	G5	
Arkansas Stone	<i>Neoperla harpi</i>	Streams & Open Waters		S2	G4	R
GLEN STONE	<i>Perlesta napacola</i>	Streams & Open Waters		S1	G4	
Wabash Stone	<i>Perlesta ouabache</i>	Streams & Open Waters		S2	GNR	R
Teays Stone	<i>Perlesta teaysia</i>	Streams & Open Waters		S1	G4	
Swamp Forestfly	<i>Prostoia hallasi</i>	Streams & Open Waters		S2	G3	
Ozark Forestfly	<i>Prostoia ozarkensis</i>	Streams & Open Waters	SE	S1	G3	
Longhorn Forestfly	<i>Prostoia similis</i>	Streams & Open Waters		S1	G5	

Plecoptera - continued						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Intrepid Forestfly	<i>Shipsa rotunda</i>	Streams & Open Waters		S1	G5	
Valley Forestfly	<i>Soyedina vallicularia</i>	Permanent & Seasonal Wetlands		S1	G5	

Trichoptera						
Common Name	Scientific Name	Campaign	Listing Status	State Rank	Global Rank	RSGCN
Seep Inhabiting Net-Spinning Caddisfly	<i>Diplectrona metequi</i>	Permanent & Seasonal Wetlands		S1	G4	
Saddle-Case Caddisfly	<i>Glossosoma intermedium</i>	Streams & Open Waters		S1	G5	
Coldwater Stonecase Caddisfly	<i>Hesperophylax designatus</i>	Streams & Open Waters		S1	G5	
Coldwater Stonecase Caddisfly	<i>Hydatophylax argus</i>	Streams & Open Waters		S2	G5	
Large River Net-Spinning Caddisfly	<i>Hydropsyche arinale</i>	Streams & Open Waters		S1	G4G5	
Net-Spinning Caddisfly	<i>Hydropsyche cuanis</i>	Streams & Open Waters		S2	G4	
Stick-Case Caddis	<i>Lepidostoma griseum</i>	Streams & Open Waters		S1	G5	
Stick-Case Caddis	<i>Lepidostoma sommermanae</i>	Streams & Open Waters		S1	G3G4	
Brachycentrid Caddisfly	<i>Micrasema rusticum</i>	Streams & Open Waters		S1	G4G5	
Net-Spinning Caddisfly	<i>Polycentropus pentus</i>	Streams & Open Waters		S2	G3G4	
Coldwater Stickcase Caddisfly	<i>Pseudostenophylax uniformis</i>	Streams & Open Waters		S1	G5	
Net-Spinning Caddisfly	<i>Wormaldia moesta</i>	Streams & Open Waters		S1	G4G5	

Table 1b. Plant Species of Greatest Conservation Need (SGCN). Four hundred and ninety-five plant species were identified as SGCN. Three hundred and forty-three qualified based on their status as Endangered (275 species) or Threatened (68 species). An additional one hundred and fifty-two species qualified based on their Subnational (State) Conservation Status Rank of S1 (80), S1S2 (28), or S2 (44). Twenty-five naturally occurring hybrids with otherwise qualifying S-ranks were excluded from consideration for SGCN status in this assessment. Notes: Species are listed by Scientific Name within Class. Common Names given are generally those listed by NatureServe although in a few cases a local common name was used. When two Scientific Names are given they are synonyms based on the listings within the NatureServe Explorer. Species have been assigned to a Campaign or a Natural Community Class based on their primary habitat use. Natural Community Classes are included within parentheses when listed.

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List of Plant Species of Greatest Conservation Need.

Class Dicotyledoneae				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Wild Monkshood	<i>Aconitum uncinatum</i>		S1	Forests & Woodlands
American Bugbane	<i>Actaea podocarpa</i>	SE	S1	Forests & Woodlands
False Bugbane	<i>Actaea racemosa</i>	SE	S2	Forests & Woodlands
Black Cohosh	<i>Actaea rubifolia</i>	SE	S3	Forests & Woodlands
Moschatel	<i>Adoxa moschatellina</i>	SE	SH	Forests & Woodlands
Pale False Foxglove	<i>Agalinis skinneriana</i>	ST	S3	Prairies & Savannas
Speckled Alder	<i>Alnus incana subsp. rugosa</i>	SE	S1S2	Permanent & Seasonal Wetlands
Roundleaf Serviceberry	<i>Amelanchier interior</i>	ST	S1	Streams & Open Waters
Shadbush	<i>Amelanchier sanguinea</i>	SE	S1	Streams & Open Waters
Smooth False Indigo	<i>Amorpha nitens</i>	SE	S1	Streams & Open Waters
Bog Rosemary	<i>Andromeda glaucophylla</i>	SE	S1	Permanent & Seasonal Wetlands
Bearberry	<i>Arctostaphylos uva-ursi</i>	SE	S1	(Shore)
Woolly Dutchman's-pipe	<i>Aristolochia tomentosa</i>		S1S2	Forests & Woodlands
Lake Cress	<i>Armoracia aquatica</i>		S2?	Streams & Open Waters
Dragon Wormwood	<i>Artemisia dracunculus</i>	SE	S1	Prairies & Savannas
Woolly Milkweed	<i>Asclepias lanuginosa</i>	SE	S1	Prairies & Savannas
Mead's milkweed	<i>Asclepias meadii</i>	SE	S1	Prairies & Savannas
Oval Milkweed	<i>Asclepias ovalifolia</i>	SE	S1	Prairies & Savannas
Narrow-leaved Green Milkweed	<i>Asclepias stenophylla</i>	SE	S1	Prairies & Savannas
Forked Aster	<i>Aster furcatus</i>	ST	S3	Streams & Open Waters

Class Dicotyledoneae – continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Small-head Aster	<i>Aster parviceps</i>		S2?	Prairies & Savannas
Wavy-leaved Aster	<i>Aster undulatus</i>		S1	Forests & Woodlands
Large Ground Plum	<i>Astragalus crassicaarpus var. trichocalyx</i>	SE	S1	Prairies & Savannas
Bent Milk Vetch	<i>Astragalus distortus</i>	SE	S1	Prairies & Savannas
Tennessee Milk Vetch	<i>Astragalus tennesseensis</i>	SE	S1	Prairies & Savannas
Yellow Wild Indigo	<i>Baptisia tinctoria</i>	SE	S1	Forests & Woodlands
Screwstem	<i>Bartonia paniculate</i>	SE	S1?	Permanent & Seasonal Wetlands
Allegheny Barberry	<i>Berberis canadensis</i>		S1	(Bedrock)
Supple-Jack	<i>Berchemia scandens</i>	SE	S1	Forests & Woodlands
Wild Parsnip	<i>Berula erecta</i>		S2?	Streams & Open Waters
Kitten Tails	<i>Besseyia bullii</i>	ST	S2	Prairies & Savannas
Yellow Birch	<i>Betula alleghaniensis</i>	SE	S1	Forests & Woodlands
Paper Birch	<i>Betula papyrifera</i>		S2	Forests & Woodlands
Bog Birch	<i>Betula pumila</i>		S1S2	Permanent & Seasonal Wetlands
Decurrent False Aster	<i>Boltonia decurrens</i>	ST	S2?	Permanent & Seasonal Wetlands
Watershield	<i>Brasenia schreberi</i>		S1S2	Streams & Open Waters
Bluehearts	<i>Buchnera americana</i>	ST	S2	Prairies & Savannas
Carolina Watershield	<i>Cabomba caroliniana</i>		S1S2	Streams & Open Waters
Sea Rocket	<i>Cakile edentula var. lacustris</i>	ST	S2	(Shore)
Cupseed	<i>Calycocarpum lyonii</i>		S1S2	Forests & Woodlands

Class Dicotyledoneae – continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Cuckoo Flower	<i>Cardamine pratensis</i> var. <i>palustris</i>	SE	S1	Permanent & Seasonal Wetlands
Water Hickory	<i>Carya aquatica</i>	ST	S1	Permanent & Seasonal Wetlands
Pale Hickory	<i>Carya pallida</i>	SE	S1	Forests & Woodlands
Downy Yellow Painted Cup	<i>Castilleja sessiliflora</i>	SE	S2	Prairies & Savannas
Redroot	<i>Ceanothus herbaceus</i>	SE	S2	Prairies & Savannas
Leatherleaf	<i>Chamaedaphne calyculata</i>	ST	S2	Permanent & Seasonal Wetlands
Seaside Spurge	<i>Chamaesyce polygonifolia</i>	SE	S2	(Shore)
Spotted Wintergreen	<i>Chimaphila maculate</i>	SE	S1	Forests & Woodlands
Pipsissewa	<i>Chimaphila umbellata</i>	SE	SH	Forests & Woodlands
Small Enchanter's Nightshade	<i>Circaea alpina</i>	SE	SH	Forests & Woodlands
Carolina Thistle	<i>Cirsium carolinianum</i>		S2	Prairies & Savannas
Dune Thistle	<i>Cirsium pitcheri</i>	SE	S1	(Shore)
Yellowwood	<i>Cladrastis lutea</i>	SE	S1	Forests & Woodlands
Blue Jasmine	<i>Clematis crispa</i>	SE	S1	Permanent & Seasonal Wetlands
Purple Clematis	<i>Clematis occidentalis</i>		S1	(Bedrock)
Leatherflower	<i>Clematis viorna</i>	SE	S1	Forests & Woodlands
Violet Collinsia	<i>Collinsia violacea</i>	SE	S1	Forests & Woodlands
Sweetfern	<i>Comptonia peregrina</i>	SE	S1	Prairies & Savannas
Hemlock Parsley	<i>Conioselinum chinense</i>	SE	S1	Permanent & Seasonal Wetlands

Class Dicotyledoneae – continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
American Bugseed	<i>Corispermum hyssopifolium</i> (<i>Corispermum americanum</i>)		S1S2	Prairies & Savannas
Bunchberry	<i>Cornus canadensis</i>	SE	S1	Permanent & Seasonal Wetlands
Golden Corydalis	<i>Corydalis aurea</i>	SE	SH	Prairies & Savannas
Hale's Corydalis	<i>Corydalis halei</i>	SE	S1	Prairies & Savannas
Pink Corydalis	<i>Corydalis sempervirens</i>	SE	SH	Prairies & Savannas
Beaked Hazelnut	<i>Corylus cornuta</i> var. <i>cornuta</i>	SE	S1	Forests & Woodlands
Cynosciadium	<i>Cynosciadium digitatum</i>	SE	S1	Permanent & Seasonal Wetlands
Leafy Prairie Clover	<i>Dalea foliosa</i>	SE	S2	Prairies & Savannas
Hill Prairie Larkspur	<i>Delphinium carolinianum</i>	SE	S2	Prairies & Savannas
French's Shootingstar	<i>Dodecatheon frenchii</i>	ST	S3	Forests & Woodlands
Whitlow Grass	<i>Draba cuneifolia</i>	SE	S1	Prairies & Savannas
Narrow-leaved Sundew	<i>Drosera intermedia</i>	ST	S2	Permanent & Seasonal Wetlands
Round-leaved Sundew	<i>Drosera rotundifolia</i>	SE	S1	Permanent & Seasonal Wetlands
Downy Willow Herb	<i>Epilobium strictum</i>	ST	S1	Permanent & Seasonal Wetlands
Prostrate or Creeping Eryngo	<i>Eryngium prostratum</i>	SE	S1S2	Permanent & Seasonal Wetlands
American Strawberry Bush	<i>Euonymus americanus</i>	ST	S2	Forests & Woodlands
Hyssop-leaved Thoroughwort	<i>Eupatorium hyssopifolium</i>	SE	S1	Prairies & Savannas

Class Dicotyledoneae – continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Pink Thoroughwort	<i>Eupatorium incarnatum</i> (<i>Fleischmannia incarnata</i>)		S1	Forests & Woodlands
Reticulate-seed Spurge	<i>Euphorbia spathulata</i>	SE	S1	Prairies & Savannas
Queen-of-the-Prairie	<i>Filipendula rubra</i>	ST	S1	Permanent & Seasonal Wetlands
Black Ash	<i>Fraxinus nigra</i>		S1	Permanent & Seasonal Wetlands
Blue Ash	<i>Fraxinus quadrangulata</i>		S2	Forests & Woodlands
Boykin's Dioclea	<i>Galactia mohlenbrockii</i>	SE	S1	Forests & Woodlands
Bog Bedstraw	<i>Galium labradoricum</i>		S2	Permanent & Seasonal Wetlands
Wild Licorice	<i>Galium lanceolatum</i>		S1	Forests & Woodlands
Dwarf Bedstraw	<i>Galium virgatum</i>	SE	S1	Forests & Woodlands
Northern Cranesbill	<i>Geranium bicknellii</i>	SE	S1	Forests & Woodlands
Hedge Hyssop	<i>Gratiola quartermantiae</i>	SE	S1	Permanent & Seasonal Wetlands
Stickseed	<i>Hackelia deflexa</i> var. <i>americana</i>	SE	S1	Forests & Woodlands
Carolina Silverbell	<i>Halesia carolina</i>	SE	S1	Forests & Woodlands
Sweet-scented Indian-plantain	<i>Hasteola (Cacalia)</i> <i>suaveolens</i>		S2	Forests & Woodlands
Narrow-leaved Sunflower	<i>Helianthus angustifolius</i>	SE	S2	Forests & Woodlands
Tall Sunflower	<i>Helianthus giganteus</i>	SE	S2	Permanent & Seasonal Wetlands
Rosinweed Sunflower	<i>Helianthus silphioides</i>		S1?	Prairies & Savannas
Slender Heliotrope	<i>Heliotropium tenellum</i>	SE	S1	Prairies & Savannas
False Heather	<i>Hudsonia tomentosa</i>	SE	S1	Streams & Open Waters

Class Dicotyledoneae – continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Floating Marsh-pennywort	<i>Hydrocotyle ranunculoides</i>		S1	Permanent & Seasonal Wetlands
One-flowered Hydrolea	<i>Hydrolea uniflora</i>	SE	S2	Permanent & Seasonal Wetlands
American Orpine	<i>Hyloteliphium telephioides</i>	ST	S2	Prairies & Savannas
Old Plainsman	<i>Hymenopappus scabiosaeus</i>	SE	S1	Prairies & Savannas
Shore St. John's Wort	<i>Hypericum adpressum</i>	SE	S2	Permanent & Seasonal Wetlands
Kalm's St. John's Wort	<i>Hypericum kalmianum</i>	SE	S2S3	Prairies & Savannas
Swink's St. John's Wort	<i>Hypericum swinkianum</i>	SE	SNR	Prairies & Savannas
Kankakee Mallow	<i>Iliamna remota</i>	SE	S1	Streams & Open Waters
Bloodleaf	<i>Iresine rhizomatosa</i>	SE	S2S3	Permanent & Seasonal Wetlands
Butternut	<i>Juglans cinerea</i>	SE	S1	Forests & Woodlands
Water Willow	<i>Justicia ovata</i>	SE	SH	Permanent & Seasonal Wetlands
Red-flowered Wild Lettuce	<i>Lactuca hirsuta</i>		S1	Prairies & Savannas
Pale Vetchling	<i>Lathyrus ochroleucus</i>	ST	S3	Forests & Woodlands
Savanna Pinweed	<i>Lechea intermedia</i>	SE	S1	Prairies & Savannas
Prairie Bush Clover	<i>Lespedeza leptostachya</i>	SE	S1	Prairies & Savannas
Red Honeysuckle	<i>Lonicera dioica var. glaucescens</i>	SE	S1	Forests & Woodlands
Yellow Honeysuckle	<i>Lonicera flava</i>	SE	S1	Forests & Woodlands
Globe-fruit False Loosestrife	<i>Ludwigia sphaerocarpa</i>	SE	SNR	Permanent & Seasonal Wetlands

Class Dicotyledoneae – continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Creeping Loosestrife	<i>Lysimachia radicans</i>	SE	S2	Permanent & Seasonal Wetlands
Narrow-leaved Crabapple	<i>Malus angustifolia</i>	SE	S1	Forests & Woodlands
False Mallow	<i>Malvastrum hispidum</i>	SE	S2	Prairies & Savannas
Climbing Milkweed	<i>Matelea decipiens</i>	SE	S2	Forests & Woodlands
Climbing Milkvine	<i>Matelea obliqua</i>		S1	Forests & Woodlands
Water Marigold	<i>Megalodonta beckii</i>	SE	S1	Streams & Open Waters
White Melanthera	<i>Melanthera nivea</i>	SE	S1	Permanent & Seasonal Wetlands
Squirting Cucumber	<i>Melothria pendula</i>	ST	S3	Streams & Open Waters
Stickleaf	<i>Mentzelia oligosperma</i>	SE	S1	Streams & Open Waters
Buckbean	<i>Menyanthes trifoliata</i>	ST	S2	Permanent & Seasonal Wetlands
Early Saxifrage	<i>Micranthes virginiensis</i>	SE	S2	Forests & Woodlands
Cat's Claw	<i>Mimosa nuttallii</i>	SE	S1	Prairies & Savannas
Yellow Monkey Flower	<i>Mimulus glabratus</i>	SE	S1	Permanent & Seasonal Wetlands
Slender Sandwort	<i>Minuartia patula</i>	ST	S1S2	Prairies & Savannas
Hairy Umbrella-wort	<i>Mirabilis hirsuta</i>	SE	S1	Prairies & Savannas
White Bergamot	<i>Monarda clinopodia</i>	ST	S2	Prairies & Savannas
Baby Blue-Eyes	<i>Nemophila triloba</i>	SE	S1	Forests & Woodlands
Prairie Dandelion	<i>Nothocalais cuspidata</i>	SE	S1	Prairies & Savannas
Fragrant Water Lily	<i>Nymphaea odorata</i>		S2	Streams & Open Waters
Missouri Evening-primrose	<i>Oenothera macrocarpa</i>		S1?	Prairies & Savannas

Class Dicotyledoneae – continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Small Sundrops	<i>Oenothera perennis</i>		S1	Prairies & Savannas
Fragile Prickly Pear	<i>Opuntia fragilis</i>	SE	S1	Prairies & Savannas
Clustered Broomrape	<i>Orobanche fasciculata</i>	SE	S1	Prairies & Savannas
Broomrape	<i>Orobanche ludoviciana</i>	ST	S2	Prairies & Savannas
Illinois Wood Sorrel	<i>Oxalis illinoensis</i>	ST	S3	Forests & Woodlands
American Ginseng	<i>Panax quinquefolius</i>	ST	S3?	Forests & Woodlands
Gray Beardtongue	<i>Penstemon canescens</i>		S1	Forests & Woodlands
Large-flowered Beard Tongue	<i>Penstemon grandiflorus</i>	SE	S2	Prairies & Savannas
Tube Beard Tongue	<i>Penstemon tubaeiflorus</i>	SE	S3	Prairies & Savannas
Ozark Phacelia	<i>Phacelia giloides</i>	SE	SH	Prairies & Savannas
Fameflower	<i>Phemeranthus calycinus</i>	SE	S1	Prairies & Savannas
Small Flower-Of-An-Hour	<i>Phemeranthus parviflorus</i>	ST	S2	Prairies & Savannas
Sangamon Phlox	<i>Phlox pilosa subsp. sangamonensis</i>	SE	S1	Prairies & Savannas
Silvery Bladderpod	<i>Physaria ludoviciana</i>	SE	S1	Prairies & Savannas
Water Elm	<i>Planera aquatica</i>	ST	S2	Permanent & Seasonal Wetlands
Heart-leaved Plantain	<i>Plantago cordata</i>	SE	S1	Streams & Open Waters
James' Clammyweed	<i>Polanisia jamesii</i>	SE	S1	Prairies & Savannas
Pink Milkwort	<i>Polygala incarnata</i>	SE	S1	Prairies & Savannas
Leathery Knotweed	<i>Polygonum achoreum</i>		S1	Forests & Woodlands
Prairie Parsley	<i>Polytaenia nuttallii</i>		S2	Prairies & Savannas
Balsam Poplar	<i>Populus balsamifera</i>	SE	S1	Forests & Woodlands

Class Dicotyledoneae – continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Bird's-eye Primrose	<i>Primula mistassinica</i>	SE	S1	Streams & Open Waters
Mock Bishop's Weed	<i>Ptilimnium nuttallii</i>	SE	S1	Permanent & Seasonal Wetlands
Rock Chestnut Oak	<i>Quercus montana</i>	ST	S3	Forests & Woodlands
Willow Oak	<i>Quercus phellos</i>	ST	S1S2	Forests & Woodlands
Nuttall's Oak	<i>Quercus texana</i>	SE	S1	Forests & Woodlands
Hispid Buttercup	<i>Ranunculus carolinianus</i> or <i>Ranunculus hispidus</i> var. <i>nitidus</i>		S1	Forests & Woodlands
Seaside Crowfoot	<i>Ranunculus cymbalaria</i> or <i>Halerpestes cymbalaria</i>		S1	Permanent & Seasonal Wetlands
Harvey's Buttercup	<i>Ranunculus harveyi</i>	ST	S2	Prairies & Savannas
Prairie Buttercup	<i>Ranunculus rhomboideus</i>	SE	S2	Prairies & Savannas
Alder Buckthorn	<i>Rhamnus alnifolia</i>	SE	SH	Permanent & Seasonal Wetlands
Lanceleaf Buckthorn	<i>Rhamnus lanceolata</i>		S1S2	Prairies & Savannas
Dull Meadow Beauty	<i>Rhexia mariana</i>	SE	S1	Permanent & Seasonal Wetlands
Northern Gooseberry	<i>Ribes hirtellum</i>	SE	SH	Permanent & Seasonal Wetlands
Bristly Rose	<i>Rosa acicularis</i>	SE	SH	Forests & Woodlands
Purple-flowering Raspberry	<i>Rubus odoratus</i>	ST	S3	Forests & Woodlands
Dwarf Raspberry	<i>Rubus pubescens</i>	ST	S2	Forests & Woodlands
Bristly Blackberry	<i>Rubus schneideri</i>	ST	S2	Prairies & Savannas
Missouri Orange Coneflower	<i>Rudbeckia missouriensis</i>	ST	S1S2	Prairies & Savannas

Class Dicotyledoneae – continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Prairie Rose Gentian	<i>Sabatia campestris</i>	SE	S2	Prairies & Savannas
Heartleaf Willow	<i>Salix eriocephala</i>		S2?	Permanent & Seasonal Wetlands
Autumn Willow	<i>Salix serissima</i>	SE	S1	Permanent & Seasonal Wetlands
Dune Willow	<i>Salix syrticola</i>	SE	S1	(Shore)
Blue Sage	<i>Salvia azurea</i>	ST	S2S3	Prairies & Savannas
Red-berried Elder	<i>Sambucus racemosa</i> <i>subsp. pubens</i>	SE	S1	Forests & Woodlands
American Burnet	<i>Sanguisorba canadensis</i>	SE	S1	Prairies & Savannas
Southern Black Snakeroot	<i>Sanicula smallii</i>	SE	S1	Forests & Woodlands
Pitcher Plant	<i>Sarracenia purpurea</i>	SE	S1S2	Permanent & Seasonal Wetlands
Buffaloberry	<i>Shepherdia canadensis</i>	SE	S1	(Shore)
Wooly Buckthorn	<i>Sideroxylon lanuginosum</i>	SE	S1	Forests & Woodlands
Ovate Catchfly	<i>Silene ovata</i>	SE	S2	Forests & Woodlands
Royal Catchfly	<i>Silene regia</i>	SE	S3	Prairies & Savannas
Cliff Goldenrod	<i>Solidago sciaphila</i>	ST	S3	Forests & Woodlands
Autumn Goldenrod	<i>Solidago sphacelata</i>		S1S2	Forests & Woodlands
American Mountain Ash	<i>Sorbus americana</i>	SE	S1	Forests & Woodlands
Great Chickweed	<i>Stellaria pubera</i>	SE	S2	Forests & Woodlands
Patterson's Bindweed	<i>Stylisma pickeringii</i>	SE	S1	Prairies & Savannas
Storax	<i>Styrax americana</i>	ST	S3	Permanent & Seasonal Wetlands
Bigleaf Snowbell Bush	<i>Styrax grandifolius</i>	SE	S1	Forests & Woodlands

Class Dicotyledoneae – continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Sullivantia	<i>Sullivantia sullivantii</i>	ST	S2	Forests & Woodlands
Snowberry	<i>Symphoricarpos albus</i> var. <i>albus</i>	SE	S1	Forests & Woodlands
Hairy Synandra	<i>Synandra hispidula</i>	ST	S2	Forests & Woodlands
Lakeside Daisy	<i>Tetraneuris herbacea</i>	SE	S1	Prairies & Savannas
White Basswood	<i>Tilia heterophylla</i>	SE	S1	Forests & Woodlands
Halberd-leaf Tearthumb	<i>Tracaulon arifolium</i> (<i>Persicaria arifolia</i>)	SE	S1?	Permanent & Seasonal Wetlands
False Bugbane	<i>Trautvetteria caroliniensis</i>		S1	Forests & Woodlands
Star-flower	<i>Trientalis borealis</i>	SE	S3	Permanent & Seasonal Wetlands
Buffalo Clover	<i>Trifolium reflexum</i>	ST	S2	Prairies & Savannas
Rock Elm	<i>Ulmus thomasii</i>	SE	S1	Forests & Woodlands
Weak Nettle	<i>Urtica chamaedryoides</i>	ST	S2	Forests & Woodlands
Horned Bladderwort	<i>Utricularia cornuta</i>	SE	S1	Permanent & Seasonal Wetlands
Flat-leaved Bladderwort	<i>Utricularia intermedia</i>	ST	S2	Permanent & Seasonal Wetlands
Small Bladderwort	<i>Utricularia minor</i>	SE	S1	Permanent & Seasonal Wetlands
Hair Bladderwort	<i>Utricularia subulata</i>	SE	S1	Permanent & Seasonal Wetlands
Highbush Blueberry	<i>Vaccinium corymbosum</i>	SE	S1S2	Prairies & Savannas
Large Cranberry	<i>Vaccinium macrocarpon</i>	SE	S1	Permanent & Seasonal Wetlands
Small Cranberry	<i>Vaccinium oxycoccos</i>	SE	S1	Permanent & Seasonal Wetlands

Class Dicotyledoneae – continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Deerberry	<i>Vaccinium stamineum</i>	SE	S1	Forests & Woodlands
Marsh Valerian	<i>Valeriana uliginosa</i>	SE	S1	Permanent & Seasonal Wetlands
Goosefoot Corn Salad	<i>Valerianella chenopodifolia</i>	SE	SX	Streams & Open Waters
Navel-shape Corn Salad	<i>Valerianella umbilicata</i>	SE	S2	Streams & Open Waters
American Brooklime	<i>Veronica americana</i>	SE	S2	Permanent & Seasonal Wetlands
Marsh Speedwell	<i>Veronica scutellata</i>	ST	S3	Permanent & Seasonal Wetlands
Softleaf Arrow-wood	<i>Viburnum molle</i>	ST	S2	Forests & Woodlands
Carolina Wood Vetch	<i>Vicia caroliniana</i>	SE	SNR	Forests & Woodlands
Hairy White Violet	<i>Viola blanda</i>	SE	S1	Forests & Woodlands
Canada Violet	<i>Viola canadensis</i>	SE	S2	Streams & Open Waters
American Dog Violet	<i>Viola conspersa</i> or <i>Viola labradorica</i>		S2	Forests & Woodlands
Large-leaved White Violet	<i>Viola incognita</i> or <i>Viola blanda</i>		S1	Forests & Woodlands
Primrose Violet	<i>Viola primulifolia</i>	SE	S1S2	Prairies & Savannas
Western Tall White Violet	<i>Viola rugulosa</i>	SE		Forests & Woodlands
Limestone Riverbank Violet	<i>Viola viarum</i>	SE	SNA	Streams & Open Waters

Class Monocotyledoneae				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Glade Onion	<i>Allium stellatum</i>		S1S2	(Bedrock)
Marram Grass	<i>Ammophila breviligulata</i>	ST	S2	(Shore)
Elliott's Beardgrass	<i>Andropogon elliotii</i>		S2	Forests & Woodlands
Sand Bluestem	<i>Andropogon hallii</i>		S1	Prairies & Savannas
Sandy Soil Three-awn Grass	<i>Aristida desmantha</i>		S1	Prairies & Savannas
Blue Three-awn Grass	<i>Aristida glauca</i> or <i>Aristida purpurea</i> var. <i>nealleyi</i>)		S1	Prairies & Savannas
Spiked Needlegrass	<i>Aristida intermedia</i> or <i>Aristida longespica</i> var. <i>geniculata</i>		S1S2	Prairies & Savannas
Hairgrass	<i>Avenella flexuosa</i>	SE	S1	Prairies & Savannas
American Slough Grass	<i>Beckmannia syzigachne</i>	SE	S1	Permanent & Seasonal Wetlands
Blue Grama	<i>Bouteloua gracilis</i>	SE	S1	Prairies & Savannas
Buffalograss	<i>Buchloe dactyloides</i>		S2	Prairies & Savannas
Northern Reed Grass	<i>Calamagrostis inexpansa</i> var. <i>brevior</i> or <i>Calamagrostis stricta</i> spp. <i>inexpansa</i>		S1S2	Permanent & Seasonal Wetlands
Hollow Reed Grass	<i>Calamagrostis insperata</i>	SE	S1	Forests & Woodlands
Water Arum	<i>Calla palustris</i>	SE	S1	Permanent & Seasonal Wetlands
Oklahoma Grass Pink Orchid	<i>Calopogon oklahomensis</i>	SE	S1	Prairies & Savannas
Grass Pink Orchid	<i>Calopogon tuberosus</i>	SE	S2	Prairies & Savannas
Wild Hyacinth	<i>Camassia angusta</i>	SE	S1	Prairies & Savannas
Hidden Sedge	<i>Carex abdita</i> (<i>Carex umbellata</i>)		S1	Prairies & Savannas
Glomerate Sedge	<i>Carex aggregata</i>		S2?	Forests & Woodlands
Winged Sedge	<i>Carex alata</i>	SE	S1	Permanent & Seasonal Wetlands
Greenish-white Sedge	<i>Carex albolutescens</i>	SE	S2	Permanent & Seasonal Wetlands
Arkansas Sedge	<i>Carex arkansana</i>	SE	S2	Forests & Woodlands
Sedge	<i>Carex atlantica</i>	ST	S2	Permanent & Seasonal Wetlands
Golden Sedge	<i>Carex aurea</i>	ST	S3	Permanent & Seasonal Wetlands

Class Monocotyledoneae - continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Sedge	<i>Carex bromoides</i>	ST	S3	Permanent & Seasonal Wetlands
Brownish Sedge	<i>Carex brunnescens</i>	SE	S1S2	Permanent & Seasonal Wetlands
Silvery Sedge	<i>Carex canescens</i>	SE	S1	Permanent & Seasonal Wetlands
Carey's Sedge	<i>Carex careyana</i>		S2	Forests & Woodlands
Cordroot Sedge	<i>Carex chordorrhiza</i>	SE	S1	Permanent & Seasonal Wetlands
Fibrous-root Sedge	<i>Carex communis</i>		S1	Forests & Woodlands
Crawe's Sedge	<i>Carex crawei</i>		S2	Permanent & Seasonal Wetlands
Crawford's Sedge	<i>Carex crawfordii</i>	SE	S1	Permanent & Seasonal Wetlands
Yellow Sedge	<i>Carex cryptolepsis</i>	ST	S2	Permanent & Seasonal Wetlands
Clustered Sedge	<i>Carex cumulate</i>	SE	S2	Prairies & Savannas
White-edge Sedge	<i>Carex debilis</i>	SE	S1	Forests & Woodlands
Cypress-knee Sedge	<i>Carex decomposita</i>	SE	S2	Permanent & Seasonal Wetlands
Sedge	<i>Carex diandra</i>	SE	S1	Permanent & Seasonal Wetlands
Slender Wood Sedge	<i>Carex digitalis</i>		S1S2	Forests & Woodlands
Shortleaf Sedge	<i>Carex disperma</i>	SE	S1	Permanent & Seasonal Wetlands
Little Prickly Sedge	<i>Carex echinata</i>	SE	S1	Permanent & Seasonal Wetlands
Emmons Sedge	<i>Carex emmonsii</i> or <i>Carex albicans</i> var. <i>emmonsii</i>		S1	Forests & Woodlands
Thin-fruit Sedge	<i>Carex flaccosperma</i>		S2	Forests & Woodlands
Sedge	<i>Carex formosa</i>	SE	S2	Forests & Woodlands
Elk Sedge	<i>Carex garberi</i>	SE	S2	(Shore)
Large Sedge	<i>Carex gigantea</i>	SE	S1	Permanent & Seasonal Wetlands
Plains Sedge	<i>Carex heliophila</i>	SE	S1	Prairies & Savannas

Class Monocotyledoneae - continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Swollen Sedge	<i>Carex intumescens</i>	SE	S3	Permanent & Seasonal Wetlands
Smooth-sheath Sedge	<i>Carex laevivaginata</i>		S1S2	Permanent & Seasonal Wetlands
Spreading Sedge	<i>Carex laxiculmis</i>		S1	Forests & Woodlands
Loose-flowered Sedge	<i>Carex laxiflora</i>		S1S2	Forests & Woodlands
Mud Sedge	<i>Carex limosa</i>	SE	S1S2	Permanent & Seasonal Wetlands
Blue Ridge Sedge	<i>Carex lucorum</i>		S1	Forests & Woodlands
Troublesome Sedge	<i>Carex molesta</i>		S1	Forests & Woodlands
Black-edged Sedge	<i>Carex nigromarginata</i>	SE	S3	Forests & Woodlands
Few-seeded Sedge	<i>Carex oligosperma</i>	SE	S1	Permanent & Seasonal Wetlands
Opaque Oval Sedge	<i>Carex opaca</i>	SE	S1	Permanent & Seasonal Wetlands
Sharp-scaled Sedge	<i>Carex oxylepis</i>	ST	S2	Permanent & Seasonal Wetlands
Pale Sedge	<i>Carex pallescens</i>	SE	SX	Prairies & Savannas
Longstalk Sedge	<i>Carex pedunculata</i>		S1S2	Forests & Woodlands
Bellow's Beak Sedge	<i>Carex physorhyncha</i>	SE	SH	Forests & Woodlands
Plantain-leaved Sedge	<i>Carex plantaginea</i>	SE	S1	Forests & Woodlands
Broad-leaved Sedge	<i>Carex platyphylla</i>		S1	Forests & Woodlands
Prairie Sedge	<i>Carex prairea</i>		S1S2	Permanent & Seasonal Wetlands
Drooping Sedge	<i>Carex prasina</i>	ST	S2	Forests & Woodlands
Reniform Sedge	<i>Carex reniformis</i>	SE	S1	Forests & Woodlands
Reflexed Sedge	<i>Carex retroflexa</i>		S2?	Forests & Woodlands
Knotsheath Sedge	<i>Carex retrorsa</i>		S1S2	Permanent & Seasonal Wetlands
Richardson's Sedge	<i>Carex richardsonii</i>		S2	Prairies & Savannas

Class Monocotyledoneae - continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Beaked Sedge	<i>Carex rostrata</i>		S2	Permanent & Seasonal Wetlands
Needleleaf Sedge	<i>Carex stenophylla</i> var. <i>enervis</i> or <i>Carex duriuscula</i>		S1	Prairies & Savannas
Eastern Straw Sedge	<i>Carex straminea</i>	SE	S1	Prairies & Savannas
Shaved Sedge	<i>Carex tonsa</i>		S1	Prairies & Savannas
Twisted Sedge	<i>Carex torta</i>		S2	Streams & Open Waters
Three-seeded Sedge	<i>Carex trisperma</i>	SE	S1	Permanent & Seasonal Wetlands
Tuckerman's Sedge	<i>Carex tuckermanii</i>	SE	S2	Forests & Woodlands
Little Green Sedge	<i>Carex viridula</i>	ST	S2	Permanent & Seasonal Wetlands
Willdenow's Sedge	<i>Carex willdenowii</i>	ST	S2	Forests & Woodlands
Pretty Sedge	<i>Carex woodii</i>		S1	Forests & Woodlands
Fairy Wand	<i>Chamaelirium luteum</i>	SE	S1	Forests & Woodlands
Bracted Green Orchid	<i>Coeloglossum viride</i>		S1S2	Forests & Woodlands
Spotted Coral-root Orchid	<i>Corallorhiza maculata</i>	SE	S1	Forests & Woodlands
Pale Coral-root Orchid	<i>Corallorhiza trifida</i>		S1	Permanent & Seasonal Wetlands
Engelmann's Umbrella-sedge	<i>Cyperus engelmannii</i>		S1S2	Permanent & Seasonal Wetlands
Mohlenbrock's Umbrella-sedge	<i>Cyperus grayoides</i>	ST	S2	Prairies & Savannas
Houghton's Umbrella-sedge	<i>Cyperus houghtonii</i>		S2	(Shore)
Many-flowered Umbrella-sedge	<i>Cyperus lancastrimensis</i>	ST	S2S3	Forests & Woodlands
Pink Lady's-slipper	<i>Cypripedium acaule</i>	SE	SH	Permanent & Seasonal Wetlands
Small White Lady's Slipper	<i>Cypripedium candidum</i>		S2	Permanent & Seasonal Wetlands
Small Yellow Lady's Slipper	<i>Cypripedium parviflorum</i>	SE	S2	Permanent & Seasonal Wetlands
Showy Lady's Slipper	<i>Cypripedium reginae</i>	SE	S1	Prairies & Savannas
Tufted Hairgrass	<i>Deschampsia cespitosa</i>		S2	Prairies & Savannas

Class Monocotyledoneae - continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
American Beakgrass	<i>Diarrhena americana</i>		S1	Forests & Woodlands
Northern Panic Grass	<i>Dichanthelium boreale</i>	SE	S1S2	Prairies & Savannas
Sprawling Witchgrass	<i>Dichanthelium jorii</i>	SE	S1	Permanent & Seasonal Wetlands
Soft-leaf Witchgrass	<i>Dichanthelium malacophyllum</i>		S1	(Bedrock)
Hemlock Panic Grass	<i>Dichanthelium portoricense</i>	SE	SH	Prairies & Savannas
Ravenel's Panic Grass	<i>Dichanthelium ravenelii</i>	SE	S1	Forests & Woodlands
Broom Panicgrass	<i>Dichanthelium scoparium</i>		S1	Prairies & Savannas
Panic Grass	<i>Dichanthelium wilcoxianum</i>		S2	Prairies & Savannas
Panic Grass	<i>Dichanthelium yadkinense</i>	SE	S2	Forests & Woodlands
Small Burhead	<i>Echinodorus tenellus</i>	SE	S1	Permanent & Seasonal Wetlands
Capitate Spike Rush	<i>Eleocharis geniculata</i>		S1	Permanent & Seasonal Wetlands
Capitate Spikerush	<i>Eleocharis olivacea</i>	SE	SH	(Shore)
Few-flowered Spikerush	<i>Eleocharis pauciflora</i>	SE	S1	Permanent & Seasonal Wetlands
Squarestem Spikerush	<i>Eleocharis quadrangulata</i>		S1S2	Permanent & Seasonal Wetlands
Beaked Spike Rush	<i>Eleocharis rostellata</i>	ST	S3	Permanent & Seasonal Wetlands
American Dunegrass	<i>Elymus arenarius</i> var. <i>villosus</i> or <i>Leymus mollis</i> spp. <i>mollis</i>		S1	(Shore)
Slender Wild Rye	<i>Elymus trachycaulus</i>	SE	S2	Prairies & Savannas
Big-top Lovegrass	<i>Eragrostis hirsuta</i>		S1	Prairies & Savannas
Short-bearded Plume Grass	<i>Erianthus brevibarbis</i> or <i>Saccharum brevibarbe</i>		S1	Prairies & Savannas
Slender Cotton Sedge	<i>Eriophorum gracile</i>	SE	S1	Permanent & Seasonal Wetlands
Rough Cotton Sedge	<i>Eriophorum tenellum</i>		S1	Permanent & Seasonal Wetlands
Rusty Cotton Grass	<i>Eriophorum virginicum</i>	SE	S1	Permanent & Seasonal Wetlands
Cluster Fescue	<i>Festuca paradoxa</i>	ST	S2	Prairies & Savannas
Hairy Fimbry	<i>Fimbristylis puberula</i>		S2	Prairies & Savannas

Class Monocotyledoneae - continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Vahl's Fimbry	<i>Fimbristylis vahlii</i>	SE	S1	Permanent & Seasonal Wetlands
Arkansas Mannagrass	<i>Glyceria arkansana</i>	SE	S2	Permanent & Seasonal Wetlands
Mud Plantain	<i>Heteranthera reniformis</i>	SE	S2	Permanent & Seasonal Wetlands
Crested Coralroot Orchid	<i>Hexalectris spicata</i>	SE	S2	Forests & Woodlands
Northern Sweet Grass	<i>Hierochloe odorata</i> or <i>Hierochloe hirta</i>		S2	Permanent & Seasonal Wetlands
Carolina Spider-lily	<i>Hymenocallis caroliniana</i>		S2	Permanent & Seasonal Wetlands
Dwarf Crested Iris	<i>Iris cristata</i>		S1S2	Forests & Woodlands
Red Iris	<i>Iris fulva</i>		S2?	Permanent & Seasonal Wetlands
Small Whorled Pogonia	<i>Isotria medeoloides</i>	SE	SX	Forests & Woodlands
Whorled Pogonia	<i>Isotria verticillata</i>	SE	S1	Forests & Woodlands
Richardson's Rush	<i>Juncus alpinoarticulatus</i>	ST	S2S3	Permanent & Seasonal Wetlands
Scirpus-like Rush	<i>Juncus scirpoides</i>		S1	Permanent & Seasonal Wetlands
Secund Rush	<i>Juncus secundus</i>		S1S2	Forests & Woodlands
Vasey's Rush	<i>Juncus vaseyi</i>	SE	SH	Permanent & Seasonal Wetlands
Inflated Duckweed	<i>Lemna gibba</i>		S2?	Streams & Open Waters
Least Duckweed	<i>Lemna minuta</i>		S2?	Streams & Open Waters
Salt Meadow Grass	<i>Leptochloa panicoides</i>		S1	Permanent & Seasonal Wetlands
Mexican Sprangletop	<i>Leptochloa uninervia</i> or <i>Leptochloa fusca</i> spp. <i>uninervia</i>		S1?	Permanent & Seasonal Wetlands
Superb Lily	<i>Lilium superbum</i>		S2	Forests & Woodlands
American Frog's-bit	<i>Limnobiium spongia</i>		S1S2	Permanent & Seasonal Wetlands
Loesel's Twayblade	<i>Liparis loeselii</i>		S1	Permanent & Seasonal Wetlands

Class Monocotyledoneae - continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Hairy Woodrush	<i>Luzula acuminata</i>	SE	S2	Forests & Woodlands
Wild Lily-of-the-Valley	<i>Maianthemum canadense</i>		S1	Forests & Woodlands
White Adder's-mouth Orchid	<i>Malaxis brachypoda</i> or <i>Malaxis monophyllos</i> var. <i>brachypoda</i>		S1	Permanent & Seasonal Wetlands
Green Adder's-mouth Orchid	<i>Malaxis unifolia</i>		S1	Permanent & Seasonal Wetlands
Indian Cucumber Root	<i>Medeola virginiana</i>	SE	S1	Forests & Woodlands
Virginia Bunchflower	<i>Melanthium virginicum</i>	SE	S1	Prairies & Savannas
Two-Flowered Melic Grass	<i>Melica mutica</i>	SE	S1	Forests & Woodlands
Plains Muhly	<i>Muhlenbergia cuspidata</i>		S2	Prairies & Savannas
Marsh Muhly	<i>Muhlenbergia glomerata</i>		S2	Permanent & Seasonal Wetlands
Thread-like Naiad	<i>Najas gracillima</i>		S2	Streams & Open Waters
Holly-leaf Naiad	<i>Najas marina</i>		S1	Streams & Open Waters
White-grained Mountain-ricegrass	<i>Oryzopsis asperifolia</i>		S1	Forests & Woodlands
Slender Mountain-ricegrass	<i>Oryzopsis pungens</i>		S1	Forests & Woodlands
Black-fruit Mountain-ricegrass	<i>Oryzopsis racemosa</i> or <i>Piptatherum racemosum</i>		S1	Forests & Woodlands
White Fringed Orchid	<i>Platanthera blephariglottis</i>		S1	Permanent & Seasonal Wetlands
Orange Fringed Orchid	<i>Platanthera ciliaris</i>	SE	S1	Prairies & Savannas
Wood Orchid	<i>Platanthera clavellata</i>	SE	S1	Prairies & Savannas
White Orchis	<i>Platanthera dilatata</i>		S1S2	Permanent & Seasonal Wetlands
Tuberclad Orchid	<i>Platanthera flava</i>	ST	SNR	Permanent & Seasonal Wetlands
Eastern Prairie Fringed Orchid	<i>Platanthera leucophaea</i>	SE	S1	Prairies & Savannas
Lesser Roundleaf Orchid	<i>Platanthera orbiculata</i>		S1	Forests & Woodlands
Purple Fringed Orchid	<i>Platanthera psycodes</i>	SE	S1	Prairies & Savannas
Grove Bluegrass	<i>Poa alsodes</i>	SE	SH	Forests & Woodlands

Class Monocotyledoneae - continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Weak Bluegrass	<i>Poa languida</i>	SE	S1	Forests & Woodlands
Wolf's Bluegrass	<i>Poa wolfii</i>	SE	S2S3	Forests & Woodlands
Snake-mouth	<i>Pogonia ophioglossoides</i>	SE	S1	Permanent & Seasonal Wetlands
Common Solomon's Seal	<i>Polygonatum biflorum</i>		S1S2	Forests & Woodlands
Downy Solomon's Seal	<i>Polygonatum pubescens</i>	SE	S2	Forests & Woodlands
Smartweed	<i>Polygonum bicorne</i> or <i>Persicaria bicornis</i>		S1	Permanent & Seasonal Wetlands
Carey's Heartsease	<i>Polygonum careyi</i>	SE	S1	Prairies & Savannas
Proliferous Knotweed	<i>Polygonum prolificum</i> or <i>Polygonum ramosissimum</i> spp. <i>prolificum</i>		S1	Permanent & Seasonal Wetlands
Largeleaf Pondweed	<i>Potamogeton amplifolius</i>		S1	Streams & Open Waters
Nuttall's Pondweed	<i>Potamogeton epihydrus</i>		S1	Streams & Open Waters
Fries' Pondweed	<i>Potamogeton friesii</i>		S1	Streams & Open Waters
Grass-leaved Pondweed	<i>Potamogeton gramineus</i>	ST	S2	Streams & Open Waters
White-stemmed Pondweed	<i>Potamogeton praelongus</i>	SE	S1	Streams & Open Waters
Spotted Pondweed	<i>Potamogeton pulcher</i>	SE	SH	Streams & Open Waters
Richardson's Pondweed	<i>Potamogeton richardsonii</i>		S1	Streams & Open Waters
Fern Pondweed	<i>Potamogeton robbinsii</i>	SE	S1S2	Streams & Open Waters
Stiff Pondweed	<i>Potamogeton strictifolius</i>	SE	S1	Streams & Open Waters
Beaked Rush	<i>Rhynchospora alba</i>	SE	S1	Permanent & Seasonal Wetlands
Horned Beakrush	<i>Rhynchospora capillacea</i>		S1S2	Permanent & Seasonal Wetlands
Short-bristle Horned Beaksedge	<i>Rhynchospora corniculata</i>		S1	Permanent & Seasonal Wetlands
Clustered Beak Rush	<i>Rhynchospora glomerata</i>	SE	S1	Permanent & Seasonal Wetlands

Class Monocotyledoneae - continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Arrowhead	<i>Sagittaria australis</i>	SE	S1	Permanent & Seasonal Wetlands
Prairie Tumblegrass	<i>Schedonnardus paniculatus</i>		S1	Prairies & Savannas
False Melic Grass	<i>Schizachne purpurascens</i>	SE	S1	Forests & Woodlands
Hall's Bulrush	<i>Schoenoplectus hallii</i>	ST	S2	Streams & Open Waters
Pursh's Bulrush	<i>Schoenoplectus purshianus</i>	SE	S1	Streams & Open Waters
Smith's Bulrush	<i>Schoenoplectus smithii</i>	SE	S1	Streams & Open Waters
Black-girdle Bulrush	<i>Scirpus atrocinctus</i>		S1	Permanent & Seasonal Wetlands
Tufted Clubrush	<i>Scirpus cespitosus</i> var. <i>callosus</i> or <i>Trichophorum cespitosum</i>		S1	Permanent & Seasonal Wetlands
Bulrush	<i>Scirpus hattorianus</i>	SE	S1	Permanent & Seasonal Wetlands
Keeled Bulrush	<i>Scirpus koilolepis</i> or <i>Isolepis carinata</i>		S1	Permanent & Seasonal Wetlands
Small-fruited Bulrush	<i>Scirpus microcarpus</i>	SE	S1	Permanent & Seasonal Wetlands
Leafy Bulrush	<i>Scirpus polyphyllus</i>	SE	S2?	Permanent & Seasonal Wetlands
Water Bulrush	<i>Scirpus subterminalis</i>		S1	Streams & Open Waters
Muhlenberg's Nut Rush	<i>Scleria muhlenbergii</i>	SE	SH	Prairies & Savannas
Little-head Nutrush	<i>Scleria oligantha</i>	SE	S3?	Forests & Woodlands
Carolina Whipgrass	<i>Scleria pauciflora</i>	SE	S2	Prairies & Savannas
Nut Sedge	<i>Scleria verticillata</i>		S2?	Permanent & Seasonal Wetlands
Eastern Blue-eyed Grass	<i>Sisyrinchium atlanticum</i>	SE	S2	Prairies & Savannas
Mountain Blue-eyed Grass	<i>Sisyrinchium montanum</i>	SE	S2	Prairies & Savannas
Michaux's Blue-eyed-grass	<i>Sisyrinchium mucronatum</i>		S1S2	Forests & Woodlands
Smooth Herbaceous Greenbrier	<i>Smilax herbacea</i>		S1	Forests & Woodlands
American Bur-reed	<i>Sparganium americanum</i>	SE	S1	Permanent & Seasonal Wetlands
Green-fruited Bur-reed	<i>Sparganium emersum</i>	SE	S2	Permanent & Seasonal Wetlands

Class Monocotyledoneae - continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Small Bur-reed or Least Bur-reed	<i>Sparganium minimum</i> or <i>Sparganium natans</i>		S1	Permanent & Seasonal Wetlands
Yellow-lipped Ladies' Tresses	<i>Spiranthes lucida</i>	SE	S1	Streams & Open Waters
Spring Ladies' Tresses	<i>Spiranthes vernalis</i>	SE	S2	Prairies & Savannas
Ozark Dropseed	<i>Sporobolus ozarkanus</i> or <i>Sporobolus vaginiflorus</i> var. <i>ozarkanus</i>		S1	Prairies & Savannas
Grass-leaved Lily	<i>Stenanthium gramineum</i>	ST	S1S2	Forests & Woodlands
Needle-and-Thread	<i>Stipa comata</i> or <i>Hesperostipa comata</i>		S1	Prairies & Savannas
Feather Grass	<i>Stipa viridula</i>		S1	Forests & Woodlands
Crane-fly Orchid	<i>Tipularia discolor</i>		S1	Forests & Woodlands
False Asphodel	<i>Tofieldia glutinosa</i>	ST	S2	Permanent & Seasonal Wetlands
Pole Manna-Grass	<i>Torreyochloa pallida</i>	SE	S1	Permanent & Seasonal Wetlands
Prairie Spiderwort	<i>Tradescantia bracteata</i>	SE	S2	Prairies & Savannas
Tufted Bulrush	<i>Trichophorum cespitosum</i>	SE	S1	Permanent & Seasonal Wetlands
Common Bog Arrowgrass	<i>Triglochin maritima</i>	ST	S2	Permanent & Seasonal Wetlands
Slender Bog Arrowgrass	<i>Triglochin palustris</i>	ST	S2	Permanent & Seasonal Wetlands
Nodding Trillium	<i>Trillium cernuum</i>	SE	S1	Forests & Woodlands
Ill-scented Trillium	<i>Trillium erectum</i>	SE	S1	Forests & Woodlands
Green Trillium	<i>Trillium viride</i>	SE	S1S2	Forests & Woodlands
Florida Bellwort	<i>Uvularia floridana</i>	ST		Forests & Woodlands
Richard's Yellow-eyed Grass	<i>Xyris jupicai</i>		S1	Permanent & Seasonal Wetlands
White Camass	<i>Zigadenus elegans</i>	SE	S1	Prairies & Savannas
Grassleaf Deathcamas	<i>Zigadenus glaucus</i> or <i>Zigadenus venenosus</i> var. <i>gramineus</i>		S1	Permanent & Seasonal Wetlands
Wild Rice	<i>Zizania aquatica</i>		S2	Streams & Open Waters

Class Monocotyledoneae - continued				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Southern Wild Rice	<i>Zizaniopsis miliacea</i>		S1	Streams & Open Waters

Class Equisetopsida				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Meadow Horsetail	<i>Equisetum pratense</i>	ST	S2S3	Forests & Woodlands
Dwarf Scouring Rush	<i>Equisetum scirpoides</i>	SE	SH	Forests & Woodlands
Woodland Horsetail	<i>Equisetum sylvaticum</i>	SE	S1	Forests & Woodlands
Variiegated Scouring Rush	<i>Equisetum variegatum</i>		S2	Permanent & Seasonal Wetlands

Class Filicopsida				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Bradley's Spleenwort	<i>Asplenium bradleyi</i>	SE	S1	Forests & Woodlands
Pinnatifid Spleenwort	<i>Asplenium pinnatifidum</i>		S1	(Bedrock)
Black Spleenwort	<i>Asplenium resiliens</i>	SE	S1	Forests & Woodlands
Maidenhair Spleenwort	<i>Asplenium trichomanes</i>		S2	(Bedrock)
Eastern Mosquito Fern	<i>Azolla caroliniana</i>		S1	Streams & Open Waters
Laurentian Fragile Fern	<i>Cystopteris laurentiana</i>	SE	SX	Forests & Woodlands
Hay-scented Fern	<i>Dennstaedtia punctilobula</i>	SE	S1	Forests & Woodlands
Log Fern	<i>Dryopteris celsa</i>	SE	S1	Permanent & Seasonal Wetlands
Male Fern	<i>Dryopteris filix-mas</i>		S1	Forests & Woodlands
Evergreen Woodfern	<i>Dryopteris intermedia</i>		S2	Forests & Woodlands
Oak Fern	<i>Gymnocarpium dryopteris</i>	SE	S1	Forests & Woodlands
Scented Oak Fern	<i>Gymnocarpium robertianum</i>	SE	SH	Forests & Woodlands
Long Beech Fern	<i>Phegopteris connectilis</i>	SE	S1	Forests & Woodlands
New York Fern	<i>Thelypteris noveboracensis</i>	SE	S1	Forests & Woodlands

Class Filicopsida				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Filmy fern	<i>Vandenboschia boschiana</i>	SE	S1	Forests & Woodlands
Rusty Woodsia	<i>Woodsia ilvensis</i>	SE	S1	Forests & Woodlands
Netted Chainfern	<i>Woodwardia areolata</i> or <i>Lorinseria areolata</i>		S2	Permanent & Seasonal Wetlands

Class Isoetopsida				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Butler's Quillwort	<i>Isoetes butleri</i>	SE	S1	Permanent & Seasonal Wetlands
Engelmann's Quillwort	<i>Isoetes engelmannii</i>		S1S2	Permanent & Seasonal Wetlands

Class Lecanoromycetes				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Lea's Bog Lichen	<i>Phaeophyscia leana</i>	ST	S2	Permanent & Seasonal Wetlands

Class Lycopodiopsida				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Ground Pine	<i>Dendrolycopodium dendroideum</i>	SE	S1?	Forests & Woodlands
Hickey's Groundpine	<i>Dendrolycopodium hickeyi</i>	SE	S1	Forests & Woodlands
Cliff Clubmoss	<i>Huperzia porophila</i>	ST	S2	Forests & Woodlands
Bog Clubmoss	<i>Lycopodiella inundata</i>	SE	SH	Permanent & Seasonal Wetlands
Running Pine	<i>Lycopodium clavatum</i>	SE	SH	Forests & Woodlands
One-cone Ground-pine	<i>Lycopodium lagopus</i>		S1	Forests & Woodlands

Class Ophioglossopsida				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Prairie Moonwort	<i>Botrychium campestre</i>	SE	S1	Prairies & Savannas
Daisyleaf Grape Fern	<i>Botrychium matricariifolium</i>	SE	S1	Forests & Woodlands
Northern Grape Fern	<i>Botrychium multifidum</i>	SE	SH	Forests & Woodlands
Grape Fern	<i>Botrychium oneidense</i>		S1	Permanent & Seasonal Wetlands
Dwarf Grape Fern	<i>Botrychium simplex</i>	SE	SH	Prairies & Savannas
Limestone Adder's-tongue	<i>Ophioglossum engelmannii</i>		S2	(Bedrock)
Southern Grape Fern	<i>Sceptridium biternatum</i>	SE	S2	Forests & Woodlands

Class Pinopsida				
Common Name	Scientific Name	Listing Status	State Rank	Campaign
Ground Juniper	<i>Juniperus communis</i>	ST	S1	(Shore)
Trailing Juniper	<i>Juniperus horizontalis</i>	SE	S2	(Shore)
Tamarack	<i>Larix laricina</i>	SE	S1	Permanent & Seasonal Wetlands
Jack Pine	<i>Pinus banksiana</i>	SE	S1S2	(Shore)
Shortleaf Pine	<i>Pinus echinata</i>	SE	S2	Forests & Woodlands
Red Pine	<i>Pinus resinosa</i>	SE	S1	Forests & Woodlands
Canada Yew	<i>Taxus canadensis</i>		S2	Forests & Woodlands

Appendix II: Species of Greatest Information Need (SGIN)

Sixty-six (66) wildlife species (Table IIa) and thirteen (13) plant species (Table IIb) were found to be Species of Greatest Information Need (SGIN) during our assessment. The criteria for inclusion as a SGIN (see Appendix I) in the CWCP 2.0 are much more limiting than those used for developing the 2015 IWAP Watch List. These criteria are now focused solely on identifying species that require additional information to improve our understanding of the conservation status of the species in Illinois. Other types of information needs (e.g., basic life-history information, behavior, pesticide resistance) may still be important for management purposes but identifying species with these needs is not the purpose of this list. Ideally no SGIN should be maintained on that list between revisions as we have 10 years to conduct the surveys and update their conservation status. **Note:** SH = Known only from historical records; SU = currently unrankable due to lack of, or substantially conflicting, information.

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Table IIa. Wildlife Species of Greatest Information Need. Sixty-six evaluated wildlife species were found to have State Conservation Status Ranks (S-Ranks) of SH (45 species) or SU (21 species) at the time of this assessment. Six of these species are also considered Regional Species of Greatest Conservation Need in the Midwest. Another twenty-five wildlife species with SH (6 species), SU (1 species), or no current rank (18 species) are currently State-listed as either Threatened (12 species) or Endangered (14 species) and are considered Species of Greatest Conservation Need based on their listing status (Appendix I, Table Ia).

Taxa	Common Name	Scientific Name	State Rank	Global Rank	RSGCN
Fishes	Alabama Shad	<i>Alosa alabamae</i>	SH	G2?	
Fishes	Alligator Gar	<i>Atractosteus spatula</i>	SU	G3	
Fishes	Cisco	<i>Coregonus artedi</i>	SH	G5	R
Fishes	Spoonhead Sculpin	<i>Cottus ricei</i>	SH	G5	
Fishes	Deepwater Sculpin	<i>Myoxocephalus thompsonii</i>	SU	G5	
Fishes	Flathead Chub	<i>Platygobio gracilis</i>	SH	G5	R
Mammals	Pygmy Shrew	<i>Sorex hoyi</i>	SH	G5	
Bivalvia	Rayed Bean	<i>Villosa fabalis</i>	SH	G2	R
Gastropoda	Pleistoscene Catina	<i>Mediappendix exilis</i>	SH	G3?	
Gastropoda	Sanibel ambersnail	<i>Succinea bakeri</i>	SH	GH	
Coleoptera	Black Lordithon Rove Beetle	<i>Lordithon niger</i>	SH	GU	
Coleoptera	American Burying Beetle	<i>Nicrophorus americanus</i>	SH	G3	
Crustaceans	Rubious Cave Amphipod	<i>Stygobromus lucifugus</i>	SH	G1G2	
Crustaceans	Isopod	<i>Caecidotea spatulata</i>	SU	G3G4	
Ephemeroptera	Pecatonica River Mayfly	<i>Acanthametropus pecatonica</i>	SH	G2G4	
Hymenoptera	Variable Cuckoo Bumble Bee	<i>Bombus variabilis</i>	SH	G1	R
Lepidoptera	Frosted Elfin	<i>Callophrys irus</i>	SH	G3	R
Lepidoptera	Galium Sphinx	<i>Hyles gallii</i>	SH	G5	
Lepidoptera	Poweshiek Skipperling	<i>Oarisma poweshiek</i>	SH	G1	
Lepidoptera	A Borer Moth	<i>Papaipema aerata</i>	SH	GH	
Lepidoptera	Phlox Moth	<i>Schinia indiana</i>	SH	G3	R
Lepidoptera	Atlantis Fritillary	<i>Speyeria atlantis</i>	SH	G5	
Lepidoptera	Salt-and-pepper Skipper	<i>Amblyscirtes hegon</i>	SU	G5	
Lepidoptera	Linda's Roadside-Skipper	<i>Amblyscirtes linda</i>	SU	G2G3	
Lepidoptera	Smyth's Apamea Moth	<i>Apamea smythi</i>	SU	GH	

Taxa	Common Name	Scientific Name	State Rank	Global Rank	RSGCN
Lepidoptera	Silver-bordered Fritillary	<i>Boloria myrina</i>	SU	G5?	
Lepidoptera	Red-banded Hairstreak	<i>Calycopis cecrops</i>	SU	G5	
Lepidoptera	Gemmed Satyr	<i>Cyllopsis gemma</i>	SU	G5	
Lepidoptera	Dreamy Duskywing	<i>Erynnis icelus</i>	SU	G5	
Lepidoptera	Carolina Satyr	<i>Hermeuptychia sosybius</i>	SU	G5	
Lepidoptera	Leonard's Skipper	<i>Hesperia leonardus</i>	SU	G4	
Lepidoptera	Appalachian Eyed Brown	<i>Lethe appalachia</i>	SU	G4	
Lepidoptera	Great Gray Copper	<i>Lycaena dione</i>	SU	G5	
Lepidoptera	White M Hairstreak	<i>Parrhasius m-album</i>	SU	G5	
Lepidoptera	Broad-winged Skipper	<i>Poanes viator</i>	SU	G5	
Lepidoptera	Gray Comma	<i>Polygonia progne</i>	SU	G5	
Lepidoptera	Acadian Hairstreak	<i>Satyrium acadicum</i>	SU	G5	
Lepidoptera	Hickory Hairstreak	<i>Satyrium caryaevorum</i>	SU	G4	
Lepidoptera	Appalachian Brown	<i>Satyrodes appalachia</i>	SU	G5	
Lepidoptera	Aphrodite	<i>Speyeria aphrodite</i>	SU	G5	
Odonata	Canada darner	<i>Aeshna canadensis</i>	SH	G5	
Odonata	Dragonfly	<i>Aeshna clepsydra</i>	SH	G4G5	
Odonata	Green-Striped Darner	<i>Aeshna verticalis</i>	SH	G5	
Odonata	Dragonfly	<i>Arigomphus furcifer</i>	SH	G5	
Odonata	Stillwater Clubtail	<i>Arigomphus lentulus</i>	SH	G5	
Odonata	Double-Ringed Pennant	<i>Celithemis verna</i>	SH	G5	
Odonata	Aurora Damsel	<i>Chromagrion conditum</i>	SH	G5	
Odonata	Delta-spotted Spiketail	<i>Cordulegaster diastatops</i>	SH	G5	
Odonata	Dusky Clubtail	<i>Gomphus spicatus</i>	SH	G5	
Odonata	Gilded River Cruiser	<i>Macromia pacifica</i>	SH	G4	
Odonata	Arrow Clubtail	<i>Stylurus spiniceps</i>	SH	G5	
Orthoptera	Prairie Mole Cricket	<i>Gryllotalpa major</i>	SH	G3	
Plecoptera	Lobed Stone	<i>Acroneuria internata</i>	SH	G4	
Plecoptera	A Perlid Stonefly	<i>Acroneuria perplexa</i>	SH	G4	
Plecoptera	Midwestern Stone	<i>Agnatina flavescens</i>	SH	G5	
Plecoptera	Illinois Winter Stonefly	<i>Allocaupnia illinoensis</i>	SH	G3	
Plecoptera	Spring Stonefly	<i>Allocaupnia pygmaea</i>	SH	G5	

Taxa	Common Name	Scientific Name	State Rank	Global Rank	RSGCN
Plecoptera	A Perlid Stonefly	<i>Attaneuria ruralis</i>	SH	G4	
Plecoptera	A Stonefly	<i>Isoperla conspicua</i>	SH	GH	
Plecoptera	A Spring Stonefly	<i>Isoperla longiseta</i>	SH	G5	
Plecoptera	A Stonefly	<i>Nemocapnia carolina</i>	SH	G5	
Plecoptera	Angulate Snowfly	<i>Paracapnia angulata</i>	SH	G5	
Plecoptera	A Perlid Stonefly	<i>Paragnetina media</i>	SH	G5	
Plecoptera	Hooked Willowfly	<i>Taeniopteryx parvula</i>	SH	G5	
Trichoptera	White-spotted Long-horned Caddisfly	<i>Ceraclea albosticta</i>	SH	G1G3	
Trichoptera	Micro Caddisfly	<i>Leucotrichia pictipes</i>	SH	G5	

Table IIb. Plant Species of Greatest Information Need. Thirteen evaluated plant species were found to have State Conservation Status Ranks (S-Ranks) of SH (12 species) or SU (1 species) at the time of this assessment. Another twenty-three species with SH ranks are currently State-listed as Endangered and are considered Species of Greatest Conservation Need based on their listing status (Appendix I; Table Ib). Two other species (Swamp Cinquefoil [*Potentilla millegrana*] and Marsh St. John’s Wort [*Triadenum virginicum*]) with SH ranks were considered to be “extinct” by the Illinois Endangered Species Protection Board in 2010 and are not included here or in Appendix IV.

Class	Common Name	Scientific Name	State Rank	Global Rank
Dicotyledoneae	Beach Pea	<i>Lathyrus maritimus</i>	SH	G5T5
Dicotyledoneae	Loosestrife	<i>Lysimachia fraseri</i>	SH	G3
Dicotyledoneae	Cinquefoil	<i>Potentilla millegrana</i>	SH	G5T5?
Dicotyledoneae	Mountain Mint	<i>Pycnanthemum torrei</i>	SH	G2
Dicotyledoneae	Hoary Azalea	<i>Rhododendron canescens</i>	SH	G5
Dicotyledoneae	Crooked-stem Aster	<i>Symphyotrichum (Aster) prenanthoides</i>	SU	G4G5
Dicotyledoneae	Barren Strawberry	<i>Waldsteinia fragarioides</i>	SH	G5
Filicopsida	Wall-rue Spleenwort	<i>Asplenium ruta-muraria</i>	SH	G5
Lycopodiopsida	Ground Pine	<i>Lycopodium x habereri</i>	SH	GNA
Monocotyledoneae	Lined Sedge	<i>Carex striatula</i>	SH	G5
Monocotyledoneae	Bulrush	<i>Scirpus verecundus</i>	SH	G4G5
Monocotyledoneae	Hooded Ladies' Tresses	<i>Spiranthes romanzoffiana</i>	SH	G5
Monocotyledoneae	Powdery Thalia	<i>Thalia dealbata</i>	SH	G4

Appendix III: Illinois Stewardship Species

Illinois Stewardship Species were identified as those species with individuals occurring in the state that represent a substantial portion of the distribution or abundance of the species within the Midwest Region during any portion of the year. These individuals, and the habitats that they use, are considered key for maintaining wild populations in the Midwest. Selection was based on review of the [Midwest Regional Species of Greatest Conservation Need, State-Level eBird Data Summaries](#) from the Cornell Lab (Fink et al. 2023), and Federal Recovery Plans and Recovery Implementation Strategies that identify species with populations in Illinois that are considered key to Federal Recovery efforts or for maintaining populations in the Midwest. Illinois Stewardship Species were assigned to Campaigns based on their association with Natural Communities in Illinois.

Table IIIa. Wildlife Species considered as Illinois Stewardship Species. Ten wildlife species were identified as having key populations within the State of Illinois due to their Regional Status. Many additional bird species will likely be identified as Illinois Stewardship Species as additional information associated with their use of lands and waters in Illinois during migratory and overwintering seasons is assessed. This information is currently being evaluated. The Indiana Bat and the Illinois Cave Amphipod are also associated with the Cave Natural Community Class.

Forests & Woodlands Campaign	Prairies & Savannas Campaign
Indiana Bat [<i>Myotis sodalis</i>]	Greater Prairie Chicken [<i>Tympanuchus cupido</i>]
Permanent & Seasonal Wetlands Campaign	Yellow Mud Turtle [<i>Kinosternon flavescens</i>]
Hine’s Emerald Dragonfly [<i>Somatochlora hineana</i>]	Eastern Massasauga [<i>Sistrurus catenatus</i>]
Streams & Open Waters Campaign	Illinois Chorus Frog [<i>Pseudacris illinoensis</i>]
Lake Sturgeon [<i>Acipenser fulvescens</i>]	Rusty-patched Bumble Bee [<i>Bombus affinis</i>]
Illinois Cave Amphipod [<i>Gammarus acherondytes</i>]	
Sheepnose [<i>Plethobasus cyphus</i>]	

Table IIIb. Plants considered as potential Illinois Stewardship Species. Forty plant species identified by INHS Plant Conservation Project as requiring high stewardship needs to be maintained in Illinois were considered as potential Illinois Stewardship Species (Charles et al. 2025). These species were assigned to Campaigns based on their associations with Natural Communities. * Illinois populations of two of these species (Eastern Prairie Fringed Orchid [*Platanthera leucophaea*] and Decurrent False Aster [*Boltonia decurrens*]) are key to Federal Recovery efforts.

Forests & Woodlands Campaign	Prairies & Savannas Campaign
<i>Actaea podocarpa</i> <i>Actaea rubifolia</i> <i>Cryptogramma stelleri</i> <i>Dodecatheon frenchii</i> <i>Eurybia furcata</i> <i>Eurybia schreberi</i> <i>Iliamna remota</i> <i>Silene nivea</i> <i>Veratrum woodii</i>	<i>Tomanthera auriculata</i> <i>Agalinis skinneriana</i> <i>Allium stellatum</i> <i>Asclepias meadii</i> <i>Astragalus tennesseensis</i> <i>Callirhoe triangulata</i> <i>Carex richardsonii</i> <i>Celastrus scandens</i> <i>Cirsium hillii</i> <i>Cyperus grayoides</i> <i>Dalea foliosa</i> <i>Eleocharis wolfii</i> <i>Erythronium mesochoreum</i> <i>Fimbristylis puberula</i> <i>Lespedeza leptostachya</i> <i>Phlox sangamonensis</i> <i>Physaria ludoviciana</i> <i>Platanthera leucophaea*</i> <i>Polytaenia nuttallii</i> <i>Stylisma pickeringii</i>
Permanent & Seasonal Wetlands Campaign	
<i>Berula erecta</i> <i>Boltonia decurrens*</i> <i>Gratiola quartermaniae</i> <i>Hasteola suaveolens</i> <i>Hypericum adpressum</i> <i>Napaea dioica</i> <i>Phragmites australis ssp. americanus</i> <i>Schoenoplectiella hallii</i> <i>Valeriana edulis</i>	
Streams & Open Waters Campaign	
<i>Rorippa aquatica</i> <i>Zizania aquatica</i>	

Appendix IV: Illinois Extirpated Species

This draft list of species presumed extirpated in the wild within Illinois was developed based on conservation status ranks derived from the Conservation Rank Calculator for species evaluated as potential SGCN or SGIN (see Appendix I for approach). Thirty-five vertebrates and forty invertebrates were identified as potentially extirpated (Table IVa). One wildlife species (Rufa Red Knot [*Calidris canutus rufa*]) currently maintains a conservation status rank of SX in Illinois but is listed as Threatened in Illinois and is considered a Species of Greatest Conservation Need under that criterion. Some other bird species may only be considered extirpated during the breeding season and may occur within Illinois during a non-breeding season (e.g., Migration Periods or Overwintering). **Note:** SX = presumed extirpated in Illinois after intensive searches of historical sites.

Forty-two plant species were identified as presumed extirpated (Table IVb). Four additional species (Corn Salad [*Valerianella chenopodifolia*], Laurentian Fragile Fern [*Cystopteris laurentiana*], Small Whorled Pognoia [*Isotria medeoloides*], Pale Sedge [*Carex pallescens*]) were found to have conservation status ranks of SX in Illinois but are currently listed as Illinois' Endangered Species and are considered Species of Greatest Conservation Need under this criterion.

Five vertebrates, six invertebrates, and one plant species (Fruitful Thorn or *Crataegus fecunda*) that once occurred in Illinois are now considered extinct in the wild. Two other vertebrate species (Eskimo Curlew [*Numenius borealis*] and Shortnose Cisco [*Coregonus reighardi*]) are ranked globally historic (GH = Possibly Extinct).

Table IVa. Draft List of Wildlife Species Considered Extirpated in the Wild in Illinois.

Taxa	Common Name	Scientific Name	State Rank	Global Rank	RSGCN
Fish	Deepwater Cisco	<i>Coregonus johanna</i>	SX	GX	
Fish	Blackfin Cisco	<i>Coregonus nigripinnis</i>	SX	G1Q	
Fish	Shortnose Cisco	<i>Coregonus reighardi</i>	SX	GH	
Fish	Cisco	<i>Coregonus zenithicus</i>	SX	G3	
Fish	Ohio Lamprey	<i>Ichthyomyzon bdellium</i>	SX	G3G4	
Fish	Rosefin Shiner	<i>Lythrurus fasciolaris</i>	SX	G5	
Fish	Gilt Darter	<i>Percina evides</i>	SX	G4	
Fish	Stargazing Darter	<i>Percina uranidea</i>	SX	G3	
Fish	Bluehead Shiner	<i>Pteronotropis hubbsi</i>	SX	G3	
Birds	Bachman's Sparrow	<i>Aimophila aestivalis</i>	SX	G3	
Birds	Roseate Spoonbill	<i>Ajaia ajaja</i>	SX	G5	
Birds	Le Conte's Sparrow	<i>Ammodramus leconteii</i>	SX	G5	R
Birds	Ivory-billed Woodpecker	<i>Campephilus principalis</i>	SX	GX	
Birds	Carolina Parakeet	<i>Conuropsis carolinensis</i>	SX	GX	
Birds	Common Raven	<i>Corvus corax</i>	SX	G5	
Birds	Yellow Rail	<i>Coturnicops noveboracensis</i>	SX	G4	
Birds	Trumpeter Swan	<i>Cygnus buccinator</i>	SX	G4	
Birds	Passenger Pigeon	<i>Ectopistes migratorius</i>	SX	GX	
Birds	American Swallow-tailed Kite	<i>Elanoides forficatus</i>	SX	G5	
Birds	Common Loon	<i>Gavia immer</i>	SX	G5	
Birds	Whooping Crane	<i>Grus americana</i>	SX	G1	R
Birds	Long-billed Curlew	<i>Numenius americanus</i>	SX	G4	
Birds	Horned Grebe	<i>Podiceps auritus</i>	SX	G5	
Birds	Sharp-tailed Grouse	<i>Tympanuchus phasianellus</i>	SX	G5	
Birds	Bachman's Warbler	<i>Vermivora bachmanii</i>	SX	GX	
Mammals	Bison	<i>Bos bison</i>	SX	G4	
Mammals	Red Wolf	<i>Canis rufus</i>	SX	G1	
Mammals	Elk	<i>Cervus canadensis</i>	SX	G5	
Mammals	Porcupine	<i>Erethizon dorsatum</i>	SX	G5	
Mammals	White-tailed Jack Rabbit	<i>Lepus townsendii</i>	SX	G5	
Mammals	Marten	<i>Martes americana</i>	SX	G5	
Mammals	Fisher	<i>Martes pennanti</i>	SX	G5	
Mammals	Cotton Mouse	<i>Peromyscus gossypinus</i>	SX	G5	
Mammals	Mountain Lion	<i>Puma concolor</i>	SX	G5	
Mammals	Black Bear	<i>Ursus americanus</i>	SX	G5	

Taxa	Common Name	Scientific Name	State Rank	Global Rank	RSGCN
Bivalvia	Leafshell Mussel	<i>Epioblasma flexuosa</i>	SX	GX	
Bivalvia	White Cat's Paw Pearly Mussel	<i>Epioblasma perobliqua</i>	SX	G1	
Bivalvia	Round Combshell Mussel	<i>Epioblasma personata</i>	SX	GX	
Bivalvia	Tennessee Riffleshell Mussel	<i>Epioblasma propinqua</i>	SX	GX	
Bivalvia	Sampson's Pearly Mussel	<i>Epioblasma sampsonii</i>	SX	GX	
Bivalvia	Tubercled Blossom	<i>Epioblasma torulosa torulosa</i>	SX	GX	
Bivalvia	Long-solid	<i>Fusconaia subrotunda</i>	SX	G3	
Bivalvia	Cracking Pearlymussel	<i>Hemistena lata</i>	SX	G1	
Bivalvia	Ring Pink Mussel	<i>Obovaria retusa</i>	SX	G1	
Bivalvia	Round Hickorynut	<i>Obovaria subrotunda</i>	SX	G3	
Bivalvia	White Wartyback Pearly Mussel	<i>Plethobasus cicatricosus</i>	SX	G1	
Bivalvia	Rough Pigtoe Pearly Mussel	<i>Pleurobema plenum</i>	SX	G1	
Bivalvia	Pyramid Pigtoe	<i>Pleurobema rubrum</i>	SX	G2	
Bivalvia	Winged Mapleleaf	<i>Quadrula fragosa</i>	SX	G1	
Gastropoda	Oldfield Coil	<i>Helicodiscus inermis</i>	SX	G4	
Gastropoda	Widespread Column	<i>Pupilla muscorum</i>	SX	G5	
Gastropoda	Nunavut vertigo	<i>Vertigo oughtoni</i>	SX	G2G3	
Gastropoda	Southeastern Gem	<i>Hawaiiia alachuana</i>	SX	G4G5Q	
Crustaceans	Big Water Crayfish	<i>Cambarus robustus</i>	SX	G5	
Ephemeroptera	Spiny Crawler Mayfly	<i>Ephemerella dorothea</i>	SX	G5	
Ephemeroptera	Spiny Crawler Mayfly	<i>Ephemerella excrucians</i>	SX	G5	
Ephemeroptera	Spiny Crawler Mayfly	<i>Ephemerella invaria</i>	SX	G5	
Ephemeroptera	Burrowing Mayfly	<i>Hexagenia atrocaudata</i>	SX	G5	R
Ephemeroptera	Small Minnow Mayfly	<i>Procloeon simplex</i>	SX	G5	
Ephemeroptera	A Flatheaded Mayfly	<i>Stenacron candidum</i>	SX	G4	R
Ephemeroptera	A Flatheaded Mayfly	<i>Stenonema candidum</i>	SX	G4	
Hymenoptera	Northern Amber Bumble Bee	<i>Bombus borealis</i>	SX	G4	
Hymenoptera	Tri-Colored Bumble Bee	<i>Bombus ternarius</i>	SX	G5	
Hymenoptera	Yellowbanded Bumble Bee	<i>Bombus terricola</i>	SX	G3	R
Lepidoptera	Dakota Skipper	<i>Hesperia dacotae</i>	SX	G2	
Neuroptera	Brown Lacewing	<i>Symphorobius occidentalis</i>	SX	GNR	
Odonata	Rapids Clubtail	<i>Gomphus quadricolor</i>	SX	G3G4	
Plecoptera	Robert's Alloperlan Stonefly	<i>Alloperla roberti</i>	SX	GXQ	

Taxa	Common Name	Scientific Name	State Rank	Global Rank	RSGCN
Plecoptera	Maine stone	<i>Neoperla mainensis</i>	SX	G2G3	
Plecoptera	Atlantic stone	<i>Neoperla occipitalis</i>	SX	G5	
Plecoptera	Slender stone	<i>Neoperla robisoni</i>	SX	G4	
Plecoptera	Multispine stone	<i>Neoperla stewarti</i>	SX	G5	
Trichoptera	Net-Spinning Caddisfly	<i>Cheumatopsyche speciosa</i>	SX	G5?	
Trichoptera	Large River Net-Spinning Caddisfly	<i>Hydropsyche hageni</i>	SX	G5	
Trichoptera	Predaceous Caddisfly	<i>Rhyacophila fuscula</i>	SX	G5?	

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Table IVb. Draft List of Plant Species Considered Extirpated in the Wild in Illinois

Common Name	Scientific Name	State Rank	Global Rank
Price's (Potato-bean) Groundnut	<i>Apios priceana</i>	SX	G3
Bristly Sarsaparilla	<i>Aralia hispida</i>	SX	G5
Purple Mecardonia	<i>Bacopa acuminata</i>	SX	G5T5
American Chestnut	<i>Castanea dentata</i>	SX	G3
Fruitful Thorn	<i>Crataegus fecunda</i>	SX	GXC
Southwestern Carrot	<i>Daucus pusillus</i>	SX	G5
Wintergreen	<i>Gaultheria procumbens</i>	SX	G5
Purple Avens	<i>Geum rivale</i>	SX	G5
Winged Cudweed	<i>Gnaphalium macounii</i>	SX	G5
Western Wild Lettuce	<i>Lactuca ludoviciana</i>	SX	G4G5
Cow Wheat	<i>Melampyrum lineare</i>	SX	G5
Slender Plantain	<i>Plantago heterophylla</i>	SX	G5
Juniper-leaf or Rustweed	<i>Polypremum procumbens</i>	SX	G5
White Mountain Mint	<i>Pycnanthemum albescens</i>	SX	G5
Round-leaved Shinleaf	<i>Pyrola americana</i>	SX	G5
Sour Dock	<i>Rumex hastatulus</i>	SX	G5
Goldenrod	<i>Solidago arguta</i>	SX	G5T4T5
Chain Fern	<i>Woodwardia virginica</i>	SX	G5
False Arrow Feather	<i>Aristida necopina</i>	SX	GNR
Drooping Wood Reed	<i>Cinna latifolia</i>	SX	G5
Spike Rush	<i>Eleocharis equisetoides</i>	SX	G4
Tall Cotton Grass	<i>Eriophorum viridi-carinatum</i>	SX	G5
Baldwin's Fimbristylis	<i>Fimbristylis annua</i>	SX	G5
Southern Umbrella-sedge	<i>Fuirena scirpoidea</i>	SX	G5
Northern Manna Grass	<i>Glyceria borealis</i>	SX	G5
Rattlesnake Manna Grass	<i>Glyceria canadensis</i>	SX	G5
Beardgrass	<i>Gymnopogon ambiguus</i>	SX	G4
Mottled Lipocarpa	<i>Lipocarpa maculata</i>	SX	G5
Millet Grass	<i>Milium effusum</i>	SX	G5
Panic Grass	<i>Panicum longifolium</i>	SX	G4
Panic Grass	<i>Panicum stipitatum</i>	SX	G5T4T5
Bead Grass	<i>Paspalum dissectum</i>	SX	G4?
Bead Grass	<i>Paspalum lentiferum</i>	SX	G4TNR
Hooker's Orchid	<i>Platanthera hookeri</i>	SX	G4
Bluegrass	<i>Poa autumnalis</i>	SX	G5
Marsh Bluegrass	<i>Poa paludigena</i>	SX	G3G4
Pondweed	<i>Potamogeton vaseyi</i>	SX	G4
Grass Beaked Rush	<i>Rhynchospora recognita</i>	SX	G5?

Common Name	Scientific Name	State Rank	Global Rank
Arrow-grass	<i>Scheuchzeria palustris</i>	SX	G5
Stalked Bulrush	<i>Scirpus pedicellatus</i>	SX	G4
Torrey's Bulrush	<i>Scirpus torreyi</i>	SX	G4
Thismia	<i>Thismia americana</i>	SX	GH

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Appendix V: Hybrid Plant Species

Table V. Hybrid plant species that have been observed in Illinois with qualifying NatureServe Conservation Status Ranks that were not considered as potential Species of Greatest Conservation Need during this assessment. More information is required to determine if these naturally occurring hybrids will be considered as conservation targets in the future. Determination of their native origin may also still need to be assessed for some of these plants.

Class	Common Name	Scientific Name	State Rank
Dicotyledoneae	Sandberg's Birch	<i>Betula x sandbergii</i>	S1
Dicotyledoneae	Barnes' Aspen	<i>Populus x smithii</i>	S1
Dicotyledoneae	Bayberry Willow	<i>Salix x myricoides</i>	S1
Equisetopsida	Shore Horsetail	<i>Equisetum x litorale</i>	S2?
Equisetopsida	Nelson's Scouring-rush	<i>Equisetum x nelsonii</i>	S1
Equisetopsida	Mackay's Horsetail	<i>Equisetum x trachyodon</i>	S1
Filicopsida	Scott's Spleenwort	<i>Asplenium x ebenoides</i>	S1
Filicopsida	Graves' Spleenwort	<i>Asplenium x gravesii</i>	S1
Filicopsida	Wagner's Spleenwort	<i>Asplenium x herb-wagneri</i>	S1
Filicopsida	Kentucky Spleenwort	<i>Asplenium x kentuckiense</i>	S1
Filicopsida	Shawnee Spleenwort	<i>Asplenium x shawneense</i>	S1
Filicopsida	Trudell's Spleenwort	<i>Asplenium x trudellii</i>	S1
Filicopsida	Illinois Bladder Fern	<i>Cystopteris x illinoensis</i>	S1
Filicopsida	Boott's Woodfern	<i>Dryopteris x boottii</i>	S1
Filicopsida	Clinton's Woodfern	<i>Dryopteris x clintoniana</i>	S1
Filicopsida	Wherry's Woodfern	<i>Dryopteris x neowherryi</i>	S1
Filicopsida	Triploid Woodfern	<i>Dryopteris x triploidea</i>	S1
Monocotyledoneae	Hybrid Lake Sedge	<i>Carex x subimpressa</i>	S1
Monocotyledoneae	Andrew's Lady-slipper Orchid	<i>Cypripedium x andrewsii</i>	S1
Monocotyledoneae	Lady's-slipper Orchid	<i>Cypripedium x favillianum</i>	S1
Monocotyledoneae	Shasta Panicgrass	<i>Dichanthelium x scoparioides</i>	S1
Monocotyledoneae	Illinois Muhly	<i>Muhlenbergia x curtisetosa</i>	S1
Monocotyledoneae	Hagstrom's Pondweed	<i>Potamogeton x hagstroemii</i>	S1
Monocotyledoneae	Curled Pondweed	<i>Potamogeton x rectifolius</i>	S1
Monocotyledoneae	Pondweed	<i>Potamogeton x spathulaeformis</i>	S1

Appendix VI: Glossary

Action – implementation recommendation

Agricultural Lands – Lands used for farming, ranching, or grazing.

At-risk Species - species that are included in the Illinois Wildlife Action Plan as Species of Greatest Conservation Need or as Species of Greatest Information Need.

Augmentation – the intentional movement and release of an organism to an area where an existing population occurs.

Backyard Biodiversity – refers to native wildlife and plant species that occur in residential areas including backyards, balconies, courtyards, or even windowsill planters.

Biodiversity – the varieties of life and their relationships between each other and the ecosystems upon which they depend.

Campaign – a planned group of actions that are intended to achieve a goal.

Capability Building – the process of developing abilities, competencies, and skills of an organizations workforce that make them more effective and sustainable.

Capacity Building – the process of improving an organization’s ability to fulfill their mission and achieve their goals successfully.

Carrying Capacity (Biological) – the maximum number of individuals of a species that can be supported over time within an area without environmental degradation.

Carrying Capacity (Social or Cultural) – Refers to the maximum level of use that can occur without a decline in user experience or to the maximum species abundance that is considered acceptable to people within a human dominated landscape. The second of these is also referred to as wildlife acceptance capacity or wildlife stakeholder acceptance capacity.

Carrying Capacity (Cultural) – the maximum number of individuals of a species that the human population in an area will tolerate.

Climate Adaptation – the process of adjusting to observed, or anticipated, changes in the climate.

Climate Change – long-term change in average weather patterns including local and regional shifts in air temperature and precipitation.

Climate Mitigation – reducing or preventing the emission of greenhouse gasses that are warming the planet.

Climate Resilience – the ability of an ecosystem or species to recover from or adjust easily to changes in the Climate

Comprehensive Wildlife Conservation Plan & Strategy – A strategy developed by a State or Territory with the direction of eight congressionally identified required elements focused on the conservation of at-risk species and the habitats that support them. These Strategies are now generally known as Wildlife Action Plans.

Conservation – enabling the preservation, protection, restoration, and enhancement of lands and waterways to ensure they are high-quality and functioning or referring to species to ensure their populations remain viable.

Conservation Action – implementation recommendation targeting an existing stressor, perceived threat, or information need identified for an ecosystem service, native species, Natural Community, or habitat. May also refer to the interventions implemented to reach a conservation objective.

Conservation Action Strategy – a broad course of action intended to achieve specific objectives.

Conservation Easement – a voluntary, legal agreement that permanently limits uses of land in order to protect its conservation value.

Conservation Opportunity Areas – spatially explicit areas identified in the Illinois Wildlife Action Plan where local conservation resources and partner interest are concentrated and co-occur.

Conservation Status – refers to the likelihood of a population, natural community, or species to become extirpated in the near future based on current conditions including existing threats and stressors.

Conservation Status Rank – refers to the Subnational Rank associated with the status of a species or natural community within Illinois calculated with NatureServe’s Conservation Status Rank Calculator.

Current (or Contemporary) Fauna or Flora – refers to wildlife (Fauna) or plant (Flora) species that are believed to be present now.

Current (or Contemporary) Landscape – refers to Natural Communities that are believed to be present now.

Developed Lands – shared spaces with restrictions to allow primarily for human use.

Developed Landscapes – Managed almost exclusively for human uses (urban developments, warehouse complexes, urban recreational parks, transportation rights-of-ways, back yards in urban areas).

Early Detection and Rapid Response (EDRR) – a strategy to quickly find and address new invasive species or threats before they spread.

Ecosystem Restoration – process of assisting an ecosystem to recover after it has been damaged, degraded, or destroyed.

Ecosystem Services – direct and indirect benefits that ecosystems provide to people such as food, clean air and water, protection from extreme climate-related events, and outdoor recreation opportunities.

Endangered Species – species listed by the Illinois Endangered Species Protection Board as an Endangered Species. This includes species determined to be in danger of extinction in the wild in Illinois due to the destruction, diminution or disturbance of habitat, overexploitation, predation, pollution, disease, or other natural or manmade factors affecting its prospects of survival.

Enhancement – to increase a system’s ability to sustain and improve ecological value.

Environmental Mitigation – avoiding, minimizing, or compensating for adverse effects and environmental impacts.

Essential Habitat – the specific ecological conditions required by an endangered or threatened species for its survival and propagation, or physical examples of these conditions. May also refer to the physical and biological environment that is required to maintain viable populations of a listed species in order to ensure the survival and recovery of that species.

Exotic Species – refers to a non-native or non-indigenous species.

Exotic Weeds – species designated in compliance with the [Illinois Exotic Weed Act](#) that are not native to North America and may degrade natural communities, reduce the value of fish and wildlife habitat, or threaten an Illinois endangered or threatened species by spreading vegetatively or naturalizing outside of where they were initially planted.

Extirpated Species – native species that are considered to no longer maintain viable populations or significantly use wild habitats in Illinois but that exists elsewhere in the wild.

Focal Monitoring Species – species that are representative of a habitat type, or species assemblage, that are still common enough to easily monitor and use when assessing community or ecosystem health.

Focus Areas – Geographically defined areas where partnering organizations have agreed to prioritize work over the period of the active SWAP (2025 – 2035).

Goal – broad statement about the long-term desired outcome that many, or may not, be completely obtainable. Broad and overarching ambitions.

Habitat – refers to species specific requirements in environmental conditions. May informally refer to areas of land or water occupied by wildlife or plant species.

Habitat Degradation – refers to processes which disturb habitat resulting in a loss of quality.

Habitat Management – manipulation of an area to change specific ecological function(s) or the vegetative successional stage (includes such things as mowing, haying, grazing, prescribed burning, invasive plant species control, forest health management activities, inter-seeding and other plantings).

Habitat Connectivity – the degree to which the landscape facilitates the movement of fish, wildlife, and other species and ecological processes such as seed dispersal.

Habitat Restoration – manipulation of an area with the goal of returning integrity to a site where native habitat has been lost or degraded.

High-quality Habitat – refers to areas of land that have been identified as having INAI Category I (High-quality Natural Community), INAI Category II (Essential Habitat for Endangered or Threatened Species), or INAI Category VI (Unusual Concentrations of Flora or Fauna) features. May also refer to areas that support biodiversity and promote ecosystem services or that provide the necessary resources and conditions for a species to thrive.

High-Quality Natural Area – refers to an area of land that has been identified on the Illinois Natural Areas Inventory with a Category I qualifying feature.

Historic Fauna or Flora – Wildlife (Fauna) or plants (Flora) that occurred in an area at a previous time.

Historic Landscape – refers to the distribution and condition of landscape features in an area at a previous time. May also refer to cultural landmarks and documentation associated with historical resources in Illinois.

Illinois Stewardship Species – species with individuals occurring in Illinois that represent a substantial portion of the distribution or abundance of the species within the Midwest Region during any time of the year (e.g., breeding season, spring or fall migration, overwintering period).

Information Need – information relevant and required to complete a specific task.

Invasive Species – a species whose introduction causes harm to the environment, economy, and/or human health.

Land and Water Reserve – an area of land that has been registered in accordance with the Illinois Natural Areas Preservation Act.

Land Conversion – the process of changing the use or purpose of a piece of land.

Land Cover – description of the physical materials at the surface of the earth.

Land Management – the process of managing the use and development of land.

Land Protection – maintain the ability to sustain the system through fee title or easements.

Land Stewardship – caring for a piece of land regardless of its ownership by considering the ecological, economic, social, and cultural dimensions

Landscape – the visible features of an area of land, its landforms, and how they integrate with natural and human-made features.

Landscape Scale Planning – planning that addresses whole, large, interconnected, and/or unfragmented landscapes and includes Natural Communities and human dominated systems.

Monitoring – an ongoing examination of a system or group

Effectiveness monitoring – measuring the effects of some action relative to other actions (or no action).

Implementation monitoring – assessment that actions are being undertaken as desired or prescribed.

Sentinel monitoring – ongoing surveys and assessment to detect unforeseen changes.

Liaison – person who establishes communication for mutual understanding and collaboration.

Native Species – a species believed to have been present in the wild within the boundaries of Illinois when it became a state (3 December 1818).

Naturalized Species – a non-native species that has established a reproducing population that persists without human intervention. Usually refers to plant species.

Nature-based Solutions – approaches that protect, restore, or mimic natural systems.

Natural Area – an area of land which either retains or has recovered to a substantial degree its original natural or primeval character, or that has floral, faunal, ecological, geological or archaeological features of scientific, educational, scenic or esthetic interest in the opinion of the Illinois Nature Preserves Commission. May also refer to any area of land in public or private ownership that is registered under the Natural Areas Act or is identified in the Illinois Natural Areas Inventory.

Natural Community – ecological assemblages of co-existing, interacting species, considered together with their physical environment, and associated ecological processes, which occur on the landscape where similar conditions are present.

Natural Community Class – the broadest category used to classify Natural Communities. Illinois currently recognized nine Natural Community Classes: Forest, Savanna & Woodland, Prairie, Wetland, Open Water, Stream, Bedrock, Shore, and Cave.

Natural Feature – refers to geophysical formations, landforms, vegetation, and hydrological features that occur on the landscape without the precondition of human intervention.

Natural Heritage Element (or Element) – refers to a specific Natural Community, species, or other natural feature that is tracked and has information maintained in the Natural Heritage Database.

Natural Lands – shared spaces primarily for ecological benefits

Natural Landscapes – managed primarily for ecological benefits

Nature Preserve – a natural area that has been dedicated under the Illinois Natural Areas Preservation Act to be maintained as nearly as possible in its natural condition.

Noxious Weed – a species designated in compliance with the [Illinois Noxious Weed Law](#) that is considered to be injurious to public health, crops, livestock, land or other property.

Nuisance Species – nonindigenous species that pose significant ecological and economic threats to ecosystems (generally applied to aquatic species).

Nuisance Wildlife – an individual of a wildlife species that is believed to be destructive or menacing.

Objective – a measurable outcome that will be achieved in a specific time frame to help accomplish an identified goal. Specific and actionable commitments.

Outcome – result, effect, or consequence that will occur from carrying out the activity or program.

Outdoor Recreation – nature- and place-based experiences offered by the outdoors and enjoyed by a diversity of people.

Output – activity, effort, or associated work produced or provided over a period of time or by a specified date

Performance Measure – refers to a quantifiable metric that provides evidence of performance over time.

Private Land – land that is not owned by a government entity.

Protect – maintain the ability to sustain a system through fee title or easements.

Protected Land – land that has been dedicated through legal means to achieve long-term conservation goals.

Protection – refers to practices and policies designed to safeguard Natural Communities, Native Species, and/or people from degradation, pollutants, and pollution. May also refer to the acquisition of land or easements to provide such safeguards.

Public Land – land that is owned by a government entity and administered for public use.

Recovery – the return to a previous or desired condition.

Recovery Process – a recursive process designed to improve the viability of native species and natural communities through adaptive management that includes conservation status assessment, conservation planning, and the implementation of conservation actions.

Redundancy – to withstand catastrophic events

Reintroduction – the intentional movement and release of an organism into a location where it previously occurred.

Representation – ability of a population or community to adapt to long-term changes in the environment by having sufficient

Research – organized study for information about critical characteristics of the entity of interest

Resist, Accept, Direct (RAD) – a decision framework that identifies options for managers that encompass the entire decision-making space for stewarding transforming ecosystems.

Resistance – ability to maintain a stable state in the face of disturbance

Resiliency – withstand stochasticity; maintain or return to a given condition

Restoration – bring back to a former state;

Ecological Restoration - the process of assisting in the recovery of and/or enhancing of an ecosystem that has been degraded, damaged, or destroyed by human or natural-caused impacts.

Shared Landscape – a geographic area that prioritizes both cultural and natural resources.

Species of Greatest Conservation Need (SGCN) – species identified in the Illinois Wildlife Action Plan that are Endangered, Threatened, or have conservation status ranks indicating that they are at high or very high risk of extirpation in Illinois.

Species of Greatest Information Need (SGIN) – native species identified in the Illinois Wildlife Action Plan that were unable to be confidently given a conservation status rank in Illinois due to a lack of information or conflicting information.

Stewardship – An ethic that embodies the responsible management of lands and waterways or actions undertaken informed by this ethic.

Stressor – a chemical, biological, environmental, or other factor that constrains the productivity, reproductive success, or ecological response of an individual, population, or ecosystem.

Take – in reference to animals and animal products to harm, hunt, shoot, pursue, lure, wound, kill, destroy, harass, gig, spear, ensnare, trap, capture, collect, or to attempt to engage in such conduct. In reference to plants and plant products to collect, pick, cut, dig up, kill, destroy, bury, crush, or harm in any manner.

Threatened Species - species listed by the Illinois Endangered Species Protection Board as a Threatened Species. Species likely to become endangered in the wild in Illinois within the foreseeable future.

Universal Threats – results of broad-scale human activities that threaten natural communities and native species such as habitat loss and degradation, overharvesting and over-exploitation, introduction of exotic species and wildlife diseases, climate change, pollution, invasive species.

Vision – a future desired state or condition.

Wildlife Disease – a disease which includes a wildlife species as one of the hosts.

Wildlife Species – a species, subspecies or biologically distinct population of animal that occurs in the wild.

Working Lands – lands that are managed for select ecosystem services (shared spaces with focused benefits).

Working Landscapes – Managed for human uses but may include large areas of open space and room for native species (some types of recreation areas, production forests, agricultural production areas)

Appendix VII: References

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Appendix VIII: Approach to Review, Update, and Revision of the Comprehensive Wildlife Conservation Plan & Strategy (Illinois Wildlife Action Plan)

Step	Action
1	A requirement of State Wildlife Action Plans is that they be comprehensively reviewed, revised as needed, and approved by the United States Fish & Wildlife Service at intervals not to exceed 10 years. The Office of Resource Conservation will be responsible for reviewing, updating, and revising Illinois' Comprehensive Wildlife Conservation Plan & Strategy (Illinois Wildlife Action Plan).
2	The State Wildlife Action Plan Coordinator will review the Illinois Wildlife Action Plan annually to identify deficiencies in the approved Plan. They will also solicit feedback, as needed, about the Plan from Federal, State, and local agencies, Tribes, and the public to inform this review.
3	Comprehensive Plan Reviews/Revisions will occur at 10 year intervals following the initial approval of the Illinois Comprehensive Wildlife Conservation Plan & Strategy version 1.0 on October 1, 2005.
4	Minor Plan Revisions are expected to occur at least once between each Comprehensive Revision to correspond with the revision of the Illinois Endangered and Threatened Species list. Minor Revisions may also address deficiencies in other Plan Elements in ways that adhere to the methods, criteria, or processes used in the currently approved Plan.
5	The State Wildlife Action Plan Coordinator will follow USFWS/OCI Guidance for Wildlife Action Plan Review and Revision (2007 or subsequent versions) when developing all formal revisions. This includes: <ul style="list-style-type: none"> 1. Drafting a letter of notification to conduct a review/revision of the Plan. 2. Meeting with USFWS/OCI to assure all required Elements are addressed. 3. Preparing the updated Plan Package which includes the updated or revised Plan, a summary of significant changes, and a "Road Map" identifying where Elements were addressed in the revised Plan.
6	The Office of Resource Conservation will select a Revision Team made up of IDNR staff to assist with Comprehensive Revisions. This Team will be led by the State Wildlife Action Plan Coordinator. Team members will focus on review and revision of the Plan's Habitat-based Campaigns and engage with non-IDNR partners in these efforts where appropriate.
7	The Revision Team will develop a draft of all Comprehensive Plan Revisions that is made available to Department staff, and key Agency Partners, for a 30 day review period. All comments received will be reviewed and relevant information will be incorporated into the Plan prior to submission.
8	A draft of all Comprehensive Plan Revisions will be made available for a 30 day public review period by the Revision Team prior to submission to USFWS/OCI. All comments received will be reviewed and relevant information will be incorporated into the Plan.
9	Updated and Revised Plan Packages will be submitted to the USFWS/OCI at least 30 days before their due date.

Appendix IX: Partnering Organizations with the Illinois Wildlife Action Plan

This list is still being assembled – If you are interested in being considered a Partnering Organization please indicate this as part of your review.

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Supplement I: Guide to the Eight Required Elements

SWAP Review Form – Region 3

The Review Form is still being attributed and is subjected to changes in page numbers based on the results of the public review.

Yes No **1st Element. Information on the distribution and abundance of species of wildlife, including low and declining populations as the State fish and wildlife agency deems appropriate, that are indicative of the diversity and health of the State’s wildlife.**

A. The Strategy indicates sources of information (e.g., literature, data bases, agencies, individuals) on wildlife abundance and distribution consulted during the planning process.

B. The Strategy includes information about both abundance and distribution for species in all major groups to the extent that data are available. There are plans for acquiring information about species for which adequate abundance and/or distribution information is unavailable.

C. The Strategy identifies low and declining populations to the extent data are available.

D. All major groups of wildlife have been considered or an explanation is provided as to why they were not (e.g., including reference to implemented marine fisheries management plans). The State may indicate whether these groups are to be included in a future Strategy revision.

E. The Strategy describes the process used to select the species in greatest need of conservation. The quantity of information in the Strategy is determined by the State with input from its partners, based on what is available to the State.

Yes No **2nd Element. Descriptions of locations and relative condition of key habitats and community types essential to conservation of species identified in the 1st element.**

A. The Strategy provides a reasonable explanation for the level of detail provided; if insufficient, the Strategy identifies the types of future actions that will be taken to obtain the information.

B. Key habitats and their relative conditions are described in enough detail such that the State can determine where (i.e., in which regions, watersheds, or landscapes within the State) and what conservation actions need to take place.

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Yes No **3rd Element. Descriptions of problems which may adversely affect species identified in the 1st element or their habitats, and priority research and survey efforts needed to identify factors which may assist in restoration and improved conservation of these species and habitats.**

A. The Strategy indicates sources of information (e.g., literature, databases, agencies, or individuals) used to determine the problems or threats.

B. The threats/problems are described in sufficient detail to develop focused conservation actions (for example, “increased highway mortalities” or “acid mine drainage” rather than generic descriptions such as “development”, or “poor water quality”).

C. The Strategy considers threats/problems, regardless of their origins (local, State, regional, national and international), where relevant to the State’s species and habitats.

D. If available information is insufficient to describe threats/problems, research and survey efforts are identified to obtain needed information.

E. The priority research and survey needs, and resulting products, are described sufficiently to allow for the development of research and survey projects after the Strategy is approved.

Yes No **4th Element. Descriptions of conservation actions determined to be necessary to conserve the identified species and habitats and priorities for implementing such actions.**

A. The Strategy identifies how conservation actions address identified threats to species of greatest conservation need and their habitats.

B. The Strategy describes conservation actions sufficiently to guide implementation of those actions through the development and execution of specific projects and programs.

C. The Strategy links conservation actions to objectives and indicators that will facilitate monitoring and performance measurement of those conservation actions (outlined in Element #5).

D. The Strategy describes conservation actions (where relevant to the State's species and habitats) that could be addressed by Federal agency or regional, national or international partners and shared with other States.

E. If available information is insufficient to describe needed conservation actions, the Strategy identifies research or survey needs for obtaining information to develop specific conservation actions.

F. The Strategy identifies the relative priority of conservation actions.

Yes No **5th Element. Descriptions of the proposed plans for monitoring species identified in the 1st element and their habitats, for monitoring the effectiveness of the conservation actions proposed in the 4th element, and for adapting these conservation actions to respond appropriately to new information or changing conditions**

A. The Strategy describes plans for monitoring species identified in element 1, and their habitats.

B. The Strategy describes how the outcomes of the conservation actions will be monitored.

C. If monitoring is not identified for a species or species group, the Strategy explains why it is not appropriate, necessary or possible.

D. Monitoring is to be accomplished at one of several levels including, individual species, guilds, or natural communities

E. The monitoring utilizes or builds on existing monitoring and survey systems or explains how information will be obtained to determine the effectiveness of conservation actions.

F. The monitoring considers the appropriate geographic scale to evaluate status of species or species groups and the effectiveness of conservation actions.

G. The Strategy is adaptive in that it allows for evaluating conservation actions and implementing new actions accordingly.

Yes No **6th Element. Descriptions of procedures to review the Strategy/Plan at intervals not to exceed ten years.**

A. The State describes the process that will be used to review the Strategy within the next ten years.

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Yes No **7th Element. Descriptions of the plans for coordinating, to the extent feasible, the development, implementation, review, and revision of the Plan-Strategy with Federal, State, and local agencies and Indian tribes that manage significant land and water areas within the State or administer programs that significantly affect the conservation of identified species and habitats**

A. The State describes the extent of its coordination with and efforts to involve Federal, State, local agencies, and Indian Tribes in the development of its Strategy.

B. The State describes its continued coordination with these agencies and tribes in the implementation, review and revision of its Strategy.

Yes No **8th Element. Descriptions of the necessary public participation in the development, revision, and implementation of the Plan.**

A. The State describes the extent of its efforts to involve the public in the development of its Strategy.

B. The State describes its continued public involvement in the implementation and revision of its Strategy.

Form revised 6/10/2015 JNP

Supplement II: Summary of Significant Changes to the Illinois Wildlife Action Plan (Comprehensive Wildlife Conservation Plan & Strategy version 2.0)

The Illinois Comprehensive Wildlife Conservation Plan & Strategy version 2.0 is intended to revise, update, and replace previous versions of the Illinois Wildlife Action Plan. While the purpose of the Plan has remained relatively consistent throughout its first two decades we have attempted to clarify our common Vision, Goals, and Objectives for conserving Native Wildlife and Plant Species in Illinois with this revision. This effort has also allowed us to improve our processes for continuing to meet the Eight Required Elements expected in State Wildlife Action Plans. Additionally, we reorganized the presentation of some of the content within the Plan in an effort to make it more user-friendly.

Details of these changes organized by Required Element are given below.

This section we be revised based on the results of ongoing reviews.

Element 1 – Species

- The CWCP 2.0 contains an independent Section focused on Native Species. Previous versions of the SWAP have included information about species in an unconsolidated manner. While some information can still be found in the Campaign and COA Sections this new Section presents information about native species including major Threats, Conservation Action Strategies to address them, and monitoring and assessment strategies.
- We have refined our process for selecting Species of Greatest Conservation Need (SGCN) by limiting it to two formal data driven approaches for determining eligibility. While these approaches use essentially the same criteria for SGCN designation that were applied in the past there is now a common standard that can be applied across all assessed species. Both of these approaches are open to participation by our Conservation Partners including members of the public.
- We have replaced our SWAP Watch List with a list of Species of Greatest Information Need (SGIN). These are species where a formal evaluation of their conservation status was unable to be completed due to a lack of information. The intent of this SGIN list is to identify species requiring surveys to inform their status.
- We have identified Illinois Stewardship Species (ISS) as those species with individuals occurring within Illinois that represent a substantial portion of the distribution or abundance of the species within the Midwest Region during any portion of the year. This designation signifies that conservation in Illinois is key to maintaining the species in the Midwest and our commitment to such efforts.
- Species of Greatest Conservation Need were attributed to Natural Community Types as an indicator of their habitat preference in the Landscape Section.

Element 2 – Habitats

- The CWCP 2.0 contains an independent Section focused on the Illinois Landscape. Previous versions of the SWAP have included information about the distribution and quality of habitats in an unconsolidated manner. While some information can still be found in the Campaign and COA Sections this new Section presents information about habitats as described by Natural Community Classes. Major Threats, Conservation Action Strategies to address them, and monitoring and assessment strategies are included that focus on maintaining an Illinois with a landscape with room for native wildlife, plants, and human endeavors.
- Previous versions of Illinois' SWAP presented several different characterizations and prioritizations of habitat based on landcover/landuse. The CWCP 2.0 uses the latest version of the Natural Vegetation Classification to describe the distribution of "habitats" throughout Illinois. We have cross-walked this classification with the Illinois Natural Community Classification System as described in The Standards and Guidelines for the Illinois Natural Areas Inventory (INAI). Natural Community Classes (and Subclasses) form the basis of our habitat characterization.
- We used two approaches for identifying the quality of Natural Community Classes. High-quality Natural Communities were identified as sites within the INAI with a Category I feature (High-quality natural communities). INAI sites with Category II features (Specific suitable habitat of endangered and threatened species) and Category VI features (Unusual concentration of flora and/or fauna) are also considered higher quality habitats as they are known to contain SGCN or assemblages with high biodiversity. We also include the current Natural Community Class with the Potential Natural Community Class based on projections from the National Vegetation Classification. We consider mismatches, especially when the area was dominated by highly modified landcover, as lower quality habitat but also opportunities for enhancement.

Element 3 – Threats

- The CWCP 2.0 uses the same Threat designations as previous versions of Illinois' Wildlife Action Plan. However, Threats identified as "Universal" in the 2015 Implementation Guide have been moved from the Campaigns to the Landscape and Native Species Sections. "Targeted" Threats occur within the Campaigns and COA Assessments of the CWCP 2.0.
- Threats to Natural Community Classes are identified in the Landscape Section.
- Threats to Native Species (SGCN, SGIN, ISS) are identified in the Native Species Section.
- Additional Threats are identified in the Campaigns and COA Assessments.

Element 4 – Conservation Actions

- Conservation Action Strategies are defined as broad courses of action intended to achieve specific objectives for landscapes and/or species.
- Conservation Action Strategies are designed to address Threats, Stressors, and Information Needs through surveys and monitoring. Strategies addressing wide-ranging Threats are

included in the Landscape and Native Species Sections while local or targeted Threats can be found in the Campaign and COA Sections.

- Example Conservation Actions are listed below each Conservation Action Strategy but the intent is for the Strategies, not the listed Actions, to define the scope of expected work for the CWCP 2.0.

Element 5 – Monitoring & Adaptive Management

- Monitoring Activities to improve Conservation Assessment have been integrated into the Landscape, Native Species, Campaign, and COA Sections.
- SGIN (see Element 1 above) have been identified to direct survey efforts and improve conservation assessments for selected species.
- Effectiveness Monitoring approaches have been described in the Landscape, Native Species, Campaign, and COA Sections.
- We have renamed the Focal Species identified in the 2015 Implementation Guide as Focal Monitoring Species to reduce confusion about their purpose.
- Conservation Action Strategies embrace a variety of independent Conservation Actions that are designed to be applied as part of an Adaptive Management Framework.

Element 6 – Review & Revision Process

- The Review, Update, and Revision Process has been modified to describe the responsibilities of the Office of Resource Conservation, the State Wildlife Action Plan Coordinator, and an IDNR Revision Team.
- Comprehensive and Minor Plan Revision expectations are now included.
- A process for internal, Governmental Agency Partners, and the Public is described.
- This Review Process has been incorporated into IDNR's SOP Manual.

Element 7 – Coordination with Government Agencies

- Native Species – see description under Element 8
- In the CWCP 2.0 Campaigns are purposefully designed as organizational units to outline and facilitate collaboration by public agencies with broad land management and species conservation responsibilities toward co-identified objectives and implementing targeted actions to address them. By co-developing and co-implementing coordination with Campaign Partners is assured.
- Formal Partner Review Period (30 day goal)

Element 8 – Public Participation

- Native Species: SGCN in the CWCP 2.0 are identified as those included on the Illinois List of Endangered and Threatened Species and those native to Illinois with a conservation status rank of S1 or S2 that has been accepted by IDNR's Natural Heritage Database. Both of these approaches allow for input from outside IDNR. The Illinois Endangered Species Protection Board accepts listing petitions from any interested party during their 5-year

mandated reviews. NatureServe's Conservation Rank Calculator is available free online and can be used by anyone with appropriate information. The Natural Heritage Database Program accepts Conservation Status Ranks for review throughout the year.

- In the CWCP 2.0 Conservation Opportunity Areas (COAs) are intended to function as a forum for community members and local organizations to participate in the development and implementation of the Action Plan. COAs are developed and implemented by conservation partners to meet co-developed objectives through local action.
- Formal Public Review Period (30 day goal)

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