

## MICHIGAN'S SPECIAL ANIMALS

Endangered, Threatened, Special Concern, and Probably Extirpated

This list presents the Endangered (E), Threatened (T), and Probably Extirpated (X) animal species of Michigan, which are protected under the Endangered Species Act of the State of Michigan (Part 365 of PA 451, 1994 Michigan Natural Resources and Environmental Protection Act). The current list became effective on April 9, 2009, after extensive review by technical advisors to the Michigan Department of Natural Resources and the citizenry of the state.

Also included in this list are animal species of Special Concern (SC). While not afforded legal protection under the Act, many of these species are of concern because of declining or relict populations in the state. Should these species continue to decline, they would be recommended for Threatened or Endangered status. Protection of Special Concern species now, before they reach dangerously low population levels, would prevent the need to list them in the future by maintaining adequate numbers of self-sustaining populations within Michigan. Some other potentially rare species are listed as Special Concern pending more precise information on their status in the state; when such information becomes available, they could be moved to threatened or endangered status or deleted from the list.



### Michigan Natural Features Inventory

P.O. Box 30444  
Lansing, MI  
48909-7944

This list was produced by the Endangered Species Program of the Michigan Department of Natural Resources and the Michigan Natural Features Inventory. English names in common usage or from published sources have been incorporated, when possible, to promote public understanding of and participation in the Endangered Species Program. To comment on the list or request additional copies, or for information on the Endangered Species Program, contact the Endangered Species Coordinator, Wildlife Division, Michigan Department of Natural Resources, P.O. Box 30028, Lansing, MI 48909 (517-373-1263). To report occurrences of these species, contact the Michigan Natural Features Inventory, Mason Building, P.O. Box 30444, Lansing, MI 48909-7944 (517-373-1552).

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## LEGEND

### State Status

- E** Endangered
- T** Threatened
- SC** Special concern

### Federal Status

- LE** Listed endangered
- LT** Listed threatened
- LELT** Partly listed endangered and partly listed threatened
- PDL** Proposed delist
- E(S/A)** Endangered based on similarities/appearance
- PS** Partial status (federally listed in only part of its range)
- C** Species being considered for federal status

### Global Ranks

- G1** Critically imperiled globally because of extreme rarity (5 or fewer occurrences range-wide or very few remaining individuals or acres) or because of some factor(s) making it especially vulnerable to extinction.
- G2** Imperiled globally because of rarity (6 to 20 occurrences or few remaining individuals or acres) or because of some factor(s) making it very vulnerable to extinction throughout its range.
- G3** Either very rare and local throughout its range or found locally (even abundantly at some of its locations) in a restricted range (e.g. a single western state, a physiographic region in the East) or because of other factor(s) making it vulnerable to extinction throughout its range; in terms of occurrences, in the range of 21 to 100.
- G4** Apparently secure globally, though it may be quite rare in parts of its range, especially at the periphery.
- G5** Demonstrably secure globally, though it may be quite rare in parts of its range, especially at the periphery.
- GH** Of historical occurrence throughout its range, i.e. formerly part of the established biota, with the expectation that it may be rediscovered (e.g. Bachman's Warbler).
- GU** Possibly in peril range-wide, but status uncertain; need more information.
- GX** Believed to be extinct throughout its range (e.g. Passenger Pigeon) with virtually no likelihood that it will be rediscovered.

### State Ranks

- S1** Critically imperiled in the state because of extreme rarity (5 or fewer occurrences or very few remaining individuals or acres) or because of some factor(s) making it especially vulnerable to extirpation in the state.
- S2** Imperiled in state because of rarity (6 to 20 occurrences or few remaining individuals or acres) or because of some factor(s) making it very vulnerable to extirpation from the state.
- S3** Rare or uncommon in state (on the order of 21 to 100 occurrences).
- S4** Apparently secure in state, with many occurrences.
- S5** Demonstrably secure in state and essentially ineradicable under present conditions.
- SA** Accidental in state, including species (usually birds or butterflies) recorded once or twice or only at very great intervals, hundreds or even thousands of miles outside their usual range.
- SE** An exotic established in the state; may be native elsewhere in North America (e.g. house finch or catalpa in eastern states).
- SH** Of historical occurrence in state and suspected to be still extant.
- SN** Regularly occurring, usually migratory and typically nonbreeding species.
- SR** Reported from state, but without persuasive documentation which would provide a basis for either accepting or rejecting the report.
- SRF** Reported falsely (in error) from state but this error persisting in the literature.
- SU** Possibly in peril in state, but status uncertain; need more information.
- SX** Apparently extirpated from state.

# Amphibians

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Acris blanchardi</i> Blanchard's cricket frog	Hylidae	T		S2S3	G5
<i>Ambystoma opacum</i> Marbled salamander	Ambystomatidae	E		S1	G5
<i>Ambystoma texanum</i> Smallmouth salamander	Ambystomatidae	E		S1	G5
<i>Anaxyrus fowleri</i> Fowler's toad	Bufonidae	SC		S3S4	G5
<i>Lithobates palustris</i> Pickerel frog	Ranidae	SC		S3S4	G5
<i>Necturus maculosus</i> Mudpuppy	Proteidae	SC		S3S4	G5
<i>Pseudacris maculata</i> Boreal chorus frog	Hylidae	SC		S1	G5
<i>Siren intermedia nettingi</i> Western lesser siren	Sirenidae	SC		SH	G5T5

# Reptiles

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Aspidoscelis sexlineata</i> Six-lined racerunner	Teiidae	T		S1	G5
<i>Clemmys guttata</i> Spotted turtle	Emydidae	T		S2	G5
<i>Clonophis kirtlandii</i> Kirtland's snake	Colubridae	E		S1	G2
<i>Emydoidea blandingii</i> Blanding's turtle	Emydidae	SC		S2S3	G4
<i>Glyptemys insculpta</i> Wood turtle	Emydidae	SC		S2	G3
<i>Nerodia erythrogaster neglecta</i> Copperbelly water snake	Colubridae	E	LT	S1	G5T3
<i>Ophedrys vernalis</i> Smooth green snake	Colubridae	SC		S3	G5
<i>Pantherophis gloydi</i> Eastern fox snake	Colubridae	T		S2	G3
<i>Pantherophis spiloides</i> Gray ratsnake	Colubridae	SC		S2S3	G4G5
<i>Regina septemvittata</i> Queen snake	Colubridae	SC		S2S3	G5
<i>Sistrurus catenatus</i> ( <i>Sistrurus catenatus catenatus</i> ) Eastern massasauga	Viperidae	SC	LT	S3	G3
<i>Terrapene carolina carolina</i> Eastern box turtle	Emydidae	SC		S2S3	G5T5
<i>Thamnophis butleri</i> Butler's garter snake	Colubridae	SC		S4	G4

# Birds

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Accipiter gentilis</i> Northern goshawk	Accipitridae	SC		S3	G5
<i>Ammodramus henslowii</i> Henslow's sparrow	Emberizidae	E		S3	G4
<i>Ammodramus savannarum</i> Grasshopper sparrow	Emberizidae	SC		S4	G5
<i>Antrostomus vociferus</i> ( <i>Caprimulgus vociferus</i> ) Eastern whip-poor-will	Caprimulgidae	SC		S3	G5
<i>Asio flammeus</i> Short-eared owl	Strigidae	E		S1	G5
<i>Asio otus</i> Long-eared owl	Strigidae	T		S1	G5
<i>Botaurus lentiginosus</i> American bittern	Ardeidae	SC		S3	G5
<i>Buteo lineatus</i> Red-shouldered hawk	Accipitridae	T		S4	G5
<i>Charadrius melodus</i> Piping plover	Charadriidae	E	LE	S2	G3
<i>Chlidonias niger</i> Black tern	Laridae	SC		S2	G4G5
<i>Chondestes grammacus</i> Lark sparrow	Emberizidae	X		SNA	G5
<i>Chordeiles minor</i> Common nighthawk	Caprimulgidae	SC		S3	G5
<i>Circus cyaneus</i> Northern harrier	Accipitridae	SC		S4	G5
<i>Cistothorus palustris</i> Marsh wren	Troglodytidae	SC		S3	G5
<i>Coturnicops noveboracensis</i> Yellow rail	Rallidae	T		S2	G4
<i>Cygnus buccinator</i> Trumpeter swan	Anatidae	T		S3	G4
<i>Falcapennis canadensis</i> Spruce grouse	Phasianidae	SC		S2	G5
<i>Falco columbarius</i> Merlin	Falconidae	T		S3	G5
<i>Falco peregrinus</i> Peregrine falcon	Falconidae	E		S3	G4
<i>Gallinula galeata</i> ( <i>Gallinula chloropus</i> ) Common gallinule	Rallidae	T		S3	G5
<i>Gavia immer</i> Common loon	Gaviidae	T		S3	G5
<i>Haliaeetus leucocephalus</i> Bald eagle	Accipitridae	SC		S4	G5
<i>Hydroprogne caspia</i> ( <i>Sterna caspia</i> ) Caspian tern	Laridae	T		S2	G5

# Birds

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Ixobrychus exilis</i> Least bittern	Ardeidae	T		S3	G5
<i>Lanius ludovicianus migrans</i> Migrant loggerhead shrike	Laniidae	E		S1	G4T3Q
<i>Melanerpes erythrocephalus</i> Red-headed woodpecker	Picidae	SC		S3	G5
<i>Nycticorax nycticorax</i> Black-crowned night-heron	Ardeidae	SC		S3	G5
<i>Pandion haliaetus</i> Osprey	Pandionidae	SC		S4	G5
<i>Parkesia motacilla</i> ( <i>Seiurus motacilla</i> ) Louisiana waterthrush	Parulidae	T		S2	G5
<i>Phalaropus tricolor</i> Wilson's phalarope	Scolopacidae	SC		S3	G5
<i>Picoides arcticus</i> Black-backed woodpecker	Picidae	SC		S2	G5
<i>Protonotaria citrea</i> Prothonotary warbler	Parulidae	SC		S3	G5
<i>Rallus elegans</i> King rail	Rallidae	E		S2	G4
<i>Setophaga cerulea</i> ( <i>Dendroica cerulea</i> ) Cerulean warbler	Parulidae	T		S3	G4
<i>Setophaga citrina</i> ( <i>Wilsonia citrina</i> ) Hooded warbler	Parulidae	SC		S3	G5
<i>Setophaga discolor</i> ( <i>Dendroica discolor</i> ) Prairie warbler	Parulidae	E		S3	G5
<i>Setophaga dominica</i> ( <i>Dendroica dominica</i> ) Yellow-throated warbler	Parulidae	T		S3	G5
<i>Setophaga kirtlandii</i> ( <i>Dendroica kirtlandii</i> ) Kirtland's warbler	Parulidae	E	LE	S3	G3G4
<i>Spiza americana</i> Dickcissel	Cardinalidae	SC		S3	G5
<i>Sterna forsteri</i> Forster's tern	Laridae	T		S2	G5
<i>Sterna hirundo</i> Common tern	Laridae	T		S2	G5
<i>Sturnella neglecta</i> Western meadowlark	Icteridae	SC		S4	G5
<i>Tympanuchus phasianellus</i> Sharp-tailed grouse	Phasianidae	SC		S3S4	G5
<i>Tyto alba</i> Barn owl	Tytonidae	E		S1	G5
<i>Vermivora chrysoptera</i> Golden-winged warbler	Parulidae	SC		S5	G4

# Birds

<b>Species</b>	<b>Family</b>	<b>State Status</b>	<b>US Status</b>	<b>State Rank</b>	<b>Global Rank</b>
<i>Xanthocephalus xanthocephalus</i> Yellow-headed blackbird	Icteridae	SC		S2	G5

# Mammals

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Alces americanus</i> Moose	Cervidae	SC		S4	G5
<i>Canis lupus</i> Gray Wolf	Canidae	SC	LE	S4	G5
<i>Cryptotis parva</i> Least shrew	Soricidae	T		S1S2	G5
<i>Felis concolor</i> Cougar	Felidae	E		S1	G5
<i>Glaucomys sabrinus</i> Northern flying squirrel	Sciuridae	SC	No Status	S5	G5
<i>Lynx canadensis</i> Lynx	Felidae	E	LT	S1	G5
<i>Microtus ochrogaster</i> Prairie vole	Cricetidae	E		S3	G5
<i>Microtus pinetorum</i> Woodland vole	Cricetidae	SC		S3S4	G5
<i>Myotis lucifugus</i> Little brown bat	Vespertilionidae	SC		S1	G3
<i>Myotis septentrionalis</i> Northern long-eared bat	Vespertilionidae	SC	LT	S1	G1G2
<i>Myotis sodalis</i> Indiana bat	Vespertilionidae	E	LE	S1	G2
<i>Nycticeius humeralis</i> Evening bat	Vespertilionidae	T		S2	G5
<i>Perimyotis subflavus</i> ( <i>Pipistrellus subflavus</i> ) Eastern pipistrelle	Vespertilionidae	SC		S1	G2G3
<i>Sorex fumeus</i> Smoky shrew	Soricidae	T		S1	G5



## Insects: Bees

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Bombus affinis</i> Rusty-patched bumble bee	Apidae	SC	LE	SNR	G1
<i>Bombus terricola</i> Yellow banded bumble bee	Apidae	SC		SNR	G3G5

## Insects: Beetles

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Brychius hungerfordi</i> Hungerford's crawling water beetle	Haliplidae	E	LE	S1	G1
<i>Dryobius sexnotatus</i> Six-banded longhorn beetle	Cerambycidae	T		SH	GNR
<i>Liodessus cantralli</i> Cantrall's bog beetle	Dytiscidae	SC		SH	GNR
<i>Lordithon niger</i> Black lordithon rove beetle	Staphylinidae	SC		SH	GU
<i>Nicrophorus americanus</i> American burying beetle	Silphidae	X	LE	SH	G2G3
<i>Stenelmis douglasensis</i> Douglas stenelmis riffle beetle	Elmidae	SC		S1S2	G1G3

## Insects: Butterflies and Moths

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Acronicta falcata</i> Corylus dagger moth	Noctuidae	SC		S2S3	G2G4
<i>Atrytonopsis hianna</i> Dusted skipper	Hesperiidae	SC		S3	G4G5
<i>Basilodes pepita</i> Gold moth	Noctuidae	SC		S1S2	G4
<i>Battus philenor</i> Pipevine swallowtail	Papilionidae	SC		S2S3	G5
<i>Boloria freija</i> Freija fritillary	Nymphalidae	SC		S3S4	G5
<i>Boloria frigga</i> Frigga fritillary	Nymphalidae	SC		S2	G5
<i>Brachionycha borealis</i> Boreal brachionyncha	Noctuidae	SC		S1S2	G4
<i>Calephelis mutica</i> Swamp metalmark	Riodinidae	SC		S1	G3
<i>Callophrys irus</i> ( <i>Incisalia irus</i> ) Frosted elfin	Lycaenidae	T		S2S3	G3
<i>Catocala amestris</i> Three-staff underwing	Erebidae	E		S1	G4
<i>Catocala dulciola</i> Quiet underwing	Erebidae	SC		S2S3	G3
<i>Catocala illecta</i> Magdalen underwing	Erebidae	SC		S2S3	G5
<i>Eacles imperialis pini</i> Pine imperial moth	Saturniidae	SC		S2S3	G5T3T4
<i>Erebia discoidalis</i> Red-disked alpine	Nymphalidae	SC		S2S3	G5
<i>Erora laeta</i> Early hairstreak	Lycaenidae	SC		SH	GU
<i>Erynnis persius persius</i> Persius dusky wing	Hesperiidae	T		S3	G5T1T3
<i>Euchloe ausonides</i> Large marble	Pieridae	SC		SH	G5
<i>Euphyes dukesi</i> Dukes' skipper	Hesperiidae	T		S2	G3
<i>Euxoa aurulenta</i> Dune cutworm	Noctuidae	SC		S2S3	G5
<i>Fixsenia favonius ontario</i> Northern hairstreak	Lycaenidae	SC		S1	G4G5T4
<i>Hesperia ottoe</i> Ottoe skipper	Hesperiidae	T		S1	G3G4
<i>Incisalia henrici</i> Henry's elfin	Lycaenidae	T		S2S3	G5
<i>Lycaeides melissa samuelis</i> Karner blue	Lycaenidae	T	LE	S2	G5T2
<i>Merolonche doli</i> Doll's merolonche	Noctuidae	SC		S2S3	G3G4

## Insects: Butterflies and Moths

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Meropleon ambifusca</i> Newman's brocade	Noctuidae	SC		S2S3	G3G4
<i>Neonympha mitchellii mitchellii</i> Mitchell's satyr	Nymphalidae	E	LE	S1	G2T2
<i>Oarisma poweshiek</i> Poweshiek skipperling	Hesperiidae	T	LE	S1	G1
<i>Oeneis macounii</i> Macoun's arctic	Nymphalidae	SC		SH	G5
<i>Pachypolia atricornis</i> Three-horned moth	Noctuidae	SC		S1S3	G3G4
<i>Papaipema aweme</i> Aweme borer	Noctuidae	SC		S1	G1
<i>Papaipema beeriana</i> Blazing star borer	Noctuidae	SC		S2	G2G3
<i>Papaipema cerina</i> Golden borer	Noctuidae	SC		S2	G2G4
<i>Papaipema maritima</i> Maritime sunflower borer	Noctuidae	SC		S2	G3
<i>Papaipema sciata</i> Culvers root borer	Noctuidae	SC		S3	G3
<i>Papaipema silphii</i> Silphium borer moth	Noctuidae	T		S1	G3G4
<i>Papaipema speciosissima</i> Regal fern borer	Noctuidae	SC		S2S3	G4
<i>Photodes inops</i> ( <i>Spartiniphaga inops</i> ) Spartina moth	Noctuidae	SC		S2S3	G3G4
<i>Plebejus idas nabokovi</i> ( <i>Lycaeides idas nabokovi</i> ) Northern blue	Lycaenidae	T		S2	G5TU
<i>Polygonia gracilis</i> Hoary comma	Nymphalidae	SC		SH	G5
<i>Proserpinus flavofasciata</i> Yellow-banded day-sphinx	Sphingidae	SC		S1S2	G4G5
<i>Pygarctia spraguei</i> Sprague's pygarctia	Erebidae	SC		S2S3	G5
<i>Pyrgus wyandot</i> Grizzled skipper	Hesperiidae	SC		S1S2	G1G2Q
<i>Schinia indiana</i> Phlox moth	Noctuidae	E		S1	G2G4
<i>Schinia lucens</i> Leadplant moth	Noctuidae	E		S1	G4
<i>Speyeria idalia</i> Regal fritillary	Nymphalidae	E		SH	G3
<i>Sympistis piffardi</i> ( <i>Oncocnemis piffardi</i> ) 3-striped oncocnemis	Noctuidae	SC		S2S3	G4

## Insects: Caddisflies

<b>Species</b>	<b>Family</b>	<b>State Status</b>	<b>US Status</b>	<b>State Rank</b>	<b>Global Rank</b>
<i>Limnephilus pallens</i> A caddisfly	Limnephilidae	SC		SU	G3G4

## Insects: Cicadas and Hoppers

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Dorydiella kansana</i> Leafhopper	Cicadellidae	SC		S3	GNR
<i>Fitchiella robertsonii</i> Robertson's Flightless Planthopper	Issidae	SC		S2?	GNR
<i>Flexamia delongi</i> Leafhopper	Cicadellidae			S3	GNR
<i>Flexamia huroni</i> Huron River leafhopper	Cicadellidae	T		S1	GNR
<i>Flexamia reflexa</i> ( <i>Flexamia reflexus</i> ) Leafhopper	Cicadellidae	SC		S1	GNR
<i>Lepyronia angulifera</i> Angular spittlebug	Cercopidae	SC		S3	G3
<i>Lepyronia gibbosa</i> Great Plains spittlebug	Cercopidae	SC		S3	G3G4

## Insects: Damselflies and Dragonflies

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Cordulegaster erronea</i> Tiger spiketail	Cordulegastridae	SC		SH	G4
<i>Ophiogomphus anomalus</i> Extra-striped snaketail	Gomphidae	SC		S2S3	G4
<i>Ophiogomphus howei</i> Pygmy snaketail	Gomphidae	T		S1	G3
<i>Somatochlora hineana</i> Hine's emerald dragonfly	Corduliidae	E	LE	S1	G2G3
<i>Somatochlora incurvata</i> Incurvate emerald	Corduliidae	SC		S3S4	G4
<i>Stylurus amnicola</i> Riverine snaketail	Gomphidae	SC		S2S3	G4
<i>Stylurus laurae</i> Laura's snaketail	Gomphidae	SC		S3	G4
<i>Stylurus notatus</i> Elusive snaketail	Gomphidae	SC		S1S2	G3
<i>Stylurus plagiatus</i> Russet-tipped clubtail	Gomphidae	SC		S1	G5
<i>Tachopteryx thoreyi</i> Grey petaltail	Petaluridae	T		S1	G4

## Insects: Dobsonflies and Fishflies

<b>Species</b>	<b>Family</b>	<b>State Status</b>	<b>US Status</b>	<b>State Rank</b>	<b>Global Rank</b>
<i>Neohermes concolor</i> A fishfly	Corydalidae	SC		SH	GNR



## Insects: Grasshoppers and Crickets

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Appalachia arcana</i> Secretive locust	Acrididae	SC		S2	G2G3
<i>Atlanticus davisii</i> Davis's shield-bearer	Tettigoniidae	SC		S2S3	GNR
<i>Melanoplus flavidus</i> Blue-legged locust	Acrididae	SC		S2	G4
<i>Neoconocephalus lyristes</i> Bog conehead	Tettigoniidae	SC		S1S3	GNR
<i>Oecanthus laricis</i> Tamarack tree cricket	Gryllidae	SC		S3	G1G2
<i>Orchelimum concinnum</i> Red-faced meadow katydid	Tettigoniidae	SC		S2S3	GNR
<i>Orchelimum delicatum</i> Delicate meadow katydid	Tettigoniidae	SC		S1S3	GNR
<i>Orphulella pelidna</i> Green desert grasshopper	Acrididae	SC		S2S3	G5
<i>Paroxya hoosieri</i> Hoosier locust	Acrididae	SC		S1S3	G5
<i>Psinidia fenestralis</i> Atlantic-coast locust	Acrididae	SC		S1S3	G5
<i>Scudderia fasciata</i> Pine katydid	Tettigoniidae	SC		S1S3	GNR
<i>Trimerotropis huroniana</i> Lake Huron locust	Acrididae	T		S2S3	G2G3

## Insects: Mayflies

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Anthopotamus verticis</i> Walker's tusked sprawler	Potamanthidae	SC		SNR	G5
<i>Epeorus suffusus</i> A mayfly	Heptageniidae	SC		SNA	G1Q
<i>Habrophlebiodes americana</i> A mayfly	Leptophlebiidae	SC		SH	G5

# Crayfish

<b>Species</b>	<b>Family</b>	<b>State Status</b>	<b>US Status</b>	<b>State Rank</b>	<b>Global Rank</b>
<i>Cambarus robustus</i> Big water crayfish	Cambaridae	SC		S2?	G5
<i>Orconectes immunis</i> Calico crayfish	Cambaridae	SC		S4	G5

# Fish

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Acipenser fulvescens</i> Lake sturgeon	Acipenseridae	T		S2	G3G4
<i>Ammocrypta pellucida</i> Eastern sand darter	Percidae	T		S1S2	G4
<i>Chrosomus erythrogaster</i> ( <i>Phoxinus erythrogaster</i> ) Southern redbelly dace	Cyprinidae	E		SH	G5
<i>Clinostomus elongatus</i> Redside dace	Cyprinidae	E		S2	G3G4
<i>Coregonus artedii</i> Lake herring or Cisco	Salmonidae	T		S3	G5
<i>Coregonus bartlettii</i> Siskiwit lake cisco	Salmonidae	T		SH	G3THQ
<i>Coregonus hubbsi</i> Ives lake cisco	Salmonidae	T		S1	G1Q
<i>Coregonus johanna</i> Deepwater cisco	Salmonidae	X		SX	GX
<i>Coregonus kiyi</i> Kiyi	Salmonidae	SC		S2S3	G3G4
<i>Coregonus nigripinnis</i> Blackfin cisco	Salmonidae	X		SX	G1Q
<i>Coregonus reighardi</i> Shortnose cisco	Salmonidae	X		SH	GH
<i>Coregonus zenithicus</i> Shortjaw cisco	Salmonidae	T		S2	G3
<i>Cottus ricei</i> Spoonhead sculpin	Cottidae	SC		S1S2	G5
<i>Erimyzon claviformis</i> Creek chubsucker	Catostomidae	E		S1	G5
<i>Etheostoma spectabile</i> Orangethroat darter	Percidae	SC		S1	G5
<i>Fundulus dispar</i> Starhead topminnow	Fundulidae	SC		S1	G4
<i>Hiodon tergisus</i> Mooneye	Hiodontidae	T		S1	G5
<i>Macrhybopsis storeriana</i> Silver chub	Cyprinidae	SC		S1	G5
<i>Moxostoma carinatum</i> River redhorse	Catostomidae	T		S2	G4
<i>Moxostoma duquesnei</i> Black Redhorse	Catostomidae	SC		S2	G5
<i>Notropis amblops</i> Bigeye chub	Cyprinidae	X		SH	G5
<i>Notropis anogenus</i> Pugnose shiner	Cyprinidae	E		S1S2	G3
<i>Notropis chalybaeus</i> Ironcolor shiner	Cyprinidae	X		S1	G4
<i>Notropis dorsalis</i> Bigmouth shiner	Cyprinidae	SC		S2	G5

# Fish

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Notropis photogenis</i> Silver shiner	Cyprinidae	E		S1	G5
<i>Notropis texanus</i> Weed shiner	Cyprinidae	X		S1	G5
<i>Noturus miurus</i> Brindled madtom	Ictaluridae	SC		S2	G5
<i>Noturus stigmosus</i> Northern madtom	Ictaluridae	E		S1	G3
<i>Opsopoeodus emiliae</i> Pugnose minnow	Cyprinidae	E		S1	G5
<i>Percina copelandi</i> Channel darter	Percidae	E		S1	G4
<i>Percina shumardi</i> River darter	Percidae	E		S1	G5
<i>Polyodon spathula</i> Paddlefish	Polyodontidae	X		SX	G4
<i>Sander canadensis</i> Sauger	Percidae	T		S1	G5
<i>Sander glaucus</i> Blue pike	Percidae	X		SX	G5TX
<i>Thymallus arcticus</i> Arctic grayling	Salmonidae	X	No Status	SX	G5

# Mussels

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Alasmidonta marginata</i> Elktoe	Unionidae	SC		S3?	G4
<i>Alasmidonta viridis</i> Slippershell	Unionidae	T		S2S3	G4G5
<i>Cyclonaias tuberculata</i> Purple wartyback	Unionidae	T		S2	G5
<i>Elliptio complanata</i> Eastern elliptio	Unionidae	SC		S2	G5
<i>Epioblasma obliquata perobliqua</i> White catspaw	Unionidae	E		SH	G1T1
<i>Epioblasma torulosa rangiana</i> Northern riffleshell	Unionidae	E	LE	S1	G2T2
<i>Epioblasma triquetra</i> Snuffbox	Unionidae	E	LE	S1S2	G3
<i>Lampsilis fasciola</i> Wavyrayed lampmussel	Unionidae	T		S2	G5
<i>Lasmigona compressa</i> Creek heelsplitter	Unionidae	SC		S3	G5
<i>Lasmigona costata</i> Flutedshell	Unionidae	SC		SNR	G5
<i>Leptodea leptodon</i> Scaleshell	Unionidae	E		SX	G1G2
<i>Ligumia nasuta</i> Eastern pondmussel	Unionidae	E		S2	G4
<i>Ligumia recta</i> Black sandshell	Unionidae	E		S1?	G4G5
<i>Obliquaria reflexa</i> Threehorn wartyback	Unionidae	E		S1	G5
<i>Obovaria olivaria</i> Hickorynut	Unionidae	E		S1	G4
<i>Obovaria subrotunda</i> Round hickorynut	Unionidae	E		S1	G4
<i>Pleurobema clava</i> Clubshell	Unionidae	E	LE	S1	G1G2
<i>Pleurobema sintoxia</i> ( <i>Pleurobema coccineum</i> ) Round pigtoe	Unionidae	SC		S3	G4G5
<i>Potamilus alatus</i> Pink heelsplitter	Unionidae	SC		SNR	G5
<i>Potamilus ohioensis</i> Pink papershell	Unionidae	T		SNR	G5
<i>Ptychobranthus fasciolaris</i> Kidney shell	Unionidae	SC		S2	G4G5
<i>Pyganodon lacustris</i> Lake floater	Unionidae	SC		SNR	GU
<i>Pyganodon subgibbosa</i> Round lake floater	Unionidae	T		S1	G1Q
<i>Simpsonaias ambigua</i> Salamander mussel	Unionidae	E		S1	G3

# Mussels

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Toxolasma lividus</i> Purple lilliput	Unionidae	E		S1	G3Q
<i>Toxolasma parvum</i> ( <i>Toxolasma parvus</i> ) Lilliput	Unionidae	E		S1	G5
<i>Truncilla donaciformis</i> Fawnsfoot	Unionidae	T		S1	G5
<i>Truncilla truncata</i> Deertoe	Unionidae	SC		S2S3	G5
<i>Utterbackia imbecillis</i> Paper pondshell	Unionidae	SC		S2S3	G5
<i>Venustaconcha ellipsiformis</i> Ellipse	Unionidae	SC		S3	G4
<i>Villosa fabalis</i> Rayed bean	Unionidae	E	LE	S1S2	G2
<i>Villosa iris</i> Rainbow	Unionidae	SC		S3	G5Q

## Fingernail and Pea Clams

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Pisidium amnicum</i> Greater European pea clam	Sphaeriidae	SC		SNA	G5
<i>Pisidium cruciatum</i> ( <i>Neopisidium cruciatum</i> ) Ornamanted peaclam	Sphaeriidae	SC		SNR	G4?
<i>Pisidium equilaterale</i> ( <i>Cyclocalyx equilaterale</i> ) Round peaclam	Sphaeriidae	SC		SNR	G4G5
<i>Pisidium idahoense</i> Giant northern pea clam	Sphaeriidae	SC		SNR	G5
<i>Pisidium simplex</i> ( <i>Neopisidium punctatum</i> ) A fingernail clam	Sphaeriidae	SC		SNR	G5
<i>Sphaerium corneum</i> European pea clam	Sphaeriidae	SC		SNR	G5
<i>Sphaerium fabale</i> River fingernail clam	Sphaeriidae	SC		SNR	G5



# Snails

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Acella haldemani</i> Spindle lymnaea	Lymnaeidae	SC		SH	G3
<i>Anguispira kochi</i> Banded globe	Discidae	SC		S1	G5
<i>Appalachina sayanus</i> Spike-lip crater	Polygyridae	SC		S1	G5T5
<i>Birgella subglobosus</i> Globe siltsnail	Hydrobiidae	SC		SNR	G4
<i>Carychium nannodes</i> File thorn	Carychiidae	SC		SNR	G5
<i>Catinella exile</i> Pleistocene catinella	Succineidae	T		S1	G2
<i>Catinella gelida</i> A land snail (no common name)	Succineidae	T		SH	G1Q
<i>Catinella protracta</i> A land snail (no common name)	Succineidae	E		SNR	G2Q
<i>Cincinnatia cincinnatiensis</i> Campeloma spire snail	Hydrobiidae	SC		S3	G5
<i>Discus patulus</i> Domed disc	Discidae	SC		S1S2	G5
<i>Euchemotrema hubrichti</i> Carinate pillsnail	Polygyridae	T		SNR	G1G3
<i>Euconulus alderi</i> A land snail (no common name)	Helicarionidae	T		S2	G4Q
<i>Fontigens nickliniana</i> Watercress snail	Hydrobiidae	SC		S2S3	G5
<i>Fossaria cyclostoma</i> Bugle fossaria	Lymnaeidae	T		SNR	GH
<i>Fossaria galbana</i> Boreal fossaria	Lymnaeidae	SC		SNR	G5Q
<i>Gastrocopta holzingeri</i> Lambda snaggletooth	Pupillidae	E		S1	G5
<i>Glyphyalinia solida</i> A land snail (no common name)	Zonitidae	SC		SNR	G5
<i>Guppya sterkii</i> Sterki's granule	Helicarionidae	E		S1	G5
<i>Hawaiiia alachuana</i> Southeastern gem	Zonitidae	SC		SNR	G4G5Q
<i>Helicodiscus singleyanus</i> Smooth coil	Helicodiscidae	SC		SNR	G5
<i>Helisoma anceps royalense</i> Lake Superior ramshorn	Planorbidae	SC		SNR	G5T2T3
<i>Hendersonia occulta</i> Cherrystone drop	Helicinidae	T		S1	G4
<i>Lyogyrus walkeri</i> Canadian duskysnail	Hydrobiidae	SC		SNR	G4
<i>Mesodon clausus</i> Yellow globelet	Polygyridae	SC		SNR	G5

# Snails

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Mesodon elevatus</i> Proud globe	Polygyridae	T		SH	G5
<i>Mesodon mitchellianus</i> Sealed globelet	Polygyridae	SC		SNR	G4
<i>Mesodon pennsylvanicus</i> ( <i>Patera pennsylvanica</i> ) Proud globelet	Polygyridae	SC		SNR	G4
<i>Mesomphix cupreus</i> Copper button	Zonitidae	SC		S1	G5
<i>Oxyloma peoriense</i> Depressed ambersnail	Succineidae	SC		SNR	G4G5
<i>Pallifera fosteri</i> Foster mantleslug	Philomycidae	T		S1	G5
<i>Philomycus carolinianus</i> Carolina mantleslug	Philomycidae	SC		S2	G5
<i>Physella magnalacustris</i> Great Lakes physa	Physidae	SC		SNR	G5Q
<i>Physella parkeri</i> Broadshoulder physa	Physidae	T		SNR	G2Q
<i>Planogyra asteriscus</i> Eastern flat-whorl	Valloniidae	SC		S2S3	G4
<i>Planorbella multivolvis</i> Acorn ramshorn	Planorbidae	E		SX	GX
<i>Planorbella smithi</i> An aquatic snail (no common name)	Planorbidae	E		SH	G5T2
<i>Pomatiopsis cincinnatiensis</i> Brown walker	Pomatiopsidae	SC		SH	G4
<i>Pupilla muscorum</i> Widespread column	Pupillidae	SC		S2	G5
<i>Pyrgulopsis letsoni</i> Gravel pyrg	Hydrobiidae	SC		SH	GU
<i>Stagnicola contracta</i> Deepwater pondsnail	Lymnaeidae	E		SH	G1
<i>Stagnicola petoskeyensis</i> Petoskey pondsnail	Lymnaeidae	E		SH	GH
<i>Stagnicola woodruffi</i> ( <i>Stagnicola emarginata</i> ) Coldwater pondsnail	Lymnaeidae	SC		SNR	G2G3Q
<i>Striatura meridionalis</i> Median striate	Zonitidae	SC		SNR	G5
<i>Triodopsis denotata</i> ( <i>Xolotrema denotata</i> ) Velvet wedge	Polygyridae	SC		SH	G5
<i>Vallonia gracilicosta albula</i> A land snail (no common name)	Valloniidae	E		S2	G4Q
<i>Vallonia parvula</i> Trumpet vallonia	Valloniidae	SC		SNR	G4
<i>Valvata perdepressa</i> Purplecap valvata	Valvatidae	SC		SNR	G2G3
<i>Valvata winnebagoensis</i> Flanged valvata	Valvatidae	SC		SNR	G2?

# Snails

Species	Family	State Status	US Status	State Rank	Global Rank
<i>Ventridens intertextus</i> Pyramid dome	Zonitidae	SC		SNR	G5
<i>Ventridens suppressus</i> Flat dome	Zonitidae	SC		SNR	G5
<i>Vertigo bollesiana</i> Delicate vertigo	Pupillidae	T		S2	G4
<i>Vertigo cristata</i> Crested vertigo	Pupillidae	SC		S3	G5
<i>Vertigo elatior</i> Tapered vertigo	Pupillidae	SC		S3	G5
<i>Vertigo hubrichti</i> Hubricht's vertigo	Pupillidae	E		S2	G3Q
<i>Vertigo modesta modesta</i> A land snail (no common name)	Pupillidae	E		S1	G5T4
<i>Vertigo modesta parietalis</i> A land snail (no common name)	Pupillidae	E		S1	G5T3Q
<i>Vertigo morsei</i> Six-whorl vertigo	Pupillidae	E		S1?	G3
<i>Vertigo nylanderi</i> Deep-throat vertigo	Pupillidae	E		S1?	G3G4
<i>Vertigo paradoxa</i> Mystery vertigo	Pupillidae	SC		S3S4	G4G5Q
<i>Vertigo pygmaea</i> Crested vertigo	Pupillidae	SC		S1S2	G5
<i>Vertigo tridentata</i> Honey vertigo	Pupillidae	SC		SNR	G5