

**DEPARTMENT OF NATURAL RESOURCES**  
**WILDLIFE DIVISION**  
**ENDANGERED AND THREATENED SPECIES**

(By authority conferred on the department of natural resources by section 36503 of 1994 PA 451, MCL 324.36503)

**R 299.1021 Mollusks.**

Rule 1. (1) The following mollusk species of class

Pelecypoda (mussels) are included on the state list of endangered species:

<i>Epioblasma obliquata perobliqua</i> (Conrad)	White catspaw
<i>Epioblasma torulosa rangiana</i> (Rafinesque) [ <i>Dysnomia torulosa rangiana</i> (Lea)]	Northern riffleshell
<i>Epioblasma triquetra</i> (Rafinesque) [ <i>Dysnomia triquetra</i> (Rafinesque)]	Snuffbox
<i>Ligumia nasuta</i> (Say)	Eastern pondmussel
<i>Ligumia recta</i> (Lamarck)	Black sandshell
<i>Obliquaria reflexa</i> Rafinesque	Threehorn wartyback
<i>Obovaria olivaria</i> (Rafinesque)	Hickorynut
<i>Obovaria subrotunda</i> (Rafinesque)	Round hickorynut
<i>Pleurobema clava</i> (Lamarck)	Clubshell
<i>Simpsonaias ambigua</i> (Say) [ <i>Simpsoniconcha ambigua</i> (Say)]	Salamander mussel
<i>Toxolasma lividus</i> (Rafinesque) [ <i>Carunculina glans</i> (Lea)]	Purple lilliput
<i>Toxolasma parvus</i> (Barnes)	Lilliput
<i>Villosa fabalis</i> (Lea)	Rayed bean

(2) The following mollusk species of class Pelecypoda (mussels) are included on the state list of threatened species:

<i>Alasmidonta viridis</i> (Rafinesque)	Slippershell
<i>Cyclonaias tuberculata</i> (Rafinesque)	Purple wartyback
<i>Lampsilis fasciola</i> Rafinesque	Wavyrayed lampmussel
<i>Potamilus ohioensis</i> (Rafinesque)	Pink papershell
<i>Pyganodon subgibbosa</i> <i>Anodonta subgibbosa</i> (Anthony)	Lake floater
<i>Truncilla donaciformis</i> (Lea)	Fawnsfoot

(3) The following mollusk species of class Gastropoda (snails) are included on the state list of endangered species:

<i>Catinella protracta</i> Franzen	A land snail (no common name)
<i>Gastrocopta holzingeri</i> (Sterki)	Lamda snaggletooth
<i>Guppya sterki</i> (Dall)	Sterki's granule
<i>Planorbella multivolvis</i> (Case) [ <i>Helisoma multivolvis</i> ]	Acorn ramshorn
<i>Planorbella smithi</i> (F. C. Baker)	An aquatic snail (no common name)
<i>Stagnicola contracta</i> (Currier) [ <i>Lymanaea contracta</i> ]	Deepwater pondsnail
<i>Stagnicola petoskeyensis</i> (Walker)	Petoskey pondsnail
<i>Vallonia gracilicosta albula</i> Sterki	A land snail (no common name)
<i>Vertigo hubrichti</i> Pilsbry	Hubricht's vertigo
<i>Vertigo modesta modesta</i> (Say)	A land snail (no common name)
<i>Vertigo modesta parietalis</i> (Ancey)	A land snail (no common name)
<i>Vertigo morsei</i> Sterki	A land snail (no common name)
<i>Vertigo nylanderii</i> Sterki	Deep-throat vertigo

(4) The following mollusk species of class Gastropoda (snails) are included on the state list of threatened species:

<i>Catinella exile</i> (Leonard)	Pleistocene catinella
<i>Catinella gelida</i> (F. C. Baker)	A land snail (no common name)
<i>Euchemotrema hubrichti</i> (Pilsbry)	Carinate pillsnail
<i>Euconulus alderi</i> (Gray)	A land snail (no common name)
<i>Fossaria cyclostoma</i> (Walker)	Bugle fossaria
<i>Hendersonia occulta</i> (Say)	Cherrystone drop
<i>Mesodon elevatus</i> (Say)	Proud globe
<i>Pallifera fosteri</i> F. C. Baker	Foster mantleslug
<i>Physella parkeri</i> (Currier)	Broadshoulder physa
<i>Vertigo bollesiana</i> (E. S. Morse)	Delicate vertigo

History: 1979 AC; 1980 AACS; 1983 AACS; 1987 AACS; 1991 AACS; 1998-2000 AACS; 2009 AACS.

**R 299.1022 Insects.**

Rule 2. (1) The following insect species are included on the state list of endangered species:

<i>Brychius hungerfordi</i> Spangler	Hungerford's crawling water beetle
<i>Catocala amestris</i> Strecker	Three-staff underwing
<i>Neonympha mitchellii mitchellii</i> French	Mitchell's satyr
<i>Schinia indiana</i> (Smith)	Phlox moth
<i>Schinia lucens</i> (Morrison)	Leadplant moth
<i>Somatochlora hineana</i> Williamson	Hine's emerald dragonfly
<i>Speyeria idalia</i> (Drury)	Regal fritillary

(2) The following insect species are included on the state list of threatened species:

<i>Dryobius sexnotatus</i> Linsley	Six-banded longhorn beetle
<i>Erynnis persius persius</i> Scudder	Persius dusky wing
<i>Euphyes dukesi</i> (Lindsey)	Dukes' skipper
<i>Flexamia huroni</i> Bess and Hamilton	Huron River leafhopper
<i>Hesperia ottoe</i> Edwards	Ottoe skipper
<i>Incisalia henrici</i> (Grote and Robinson)	Henry's elfin
<i>Incisalia irus</i> Godart	Frosted elfin
<i>Lycaeides idas nabokovi</i> Masters	Northern blue
<i>Lycaeides melissa samuelis</i> Nabakov	Karner blue
<i>Oarisma powesheik</i> (Parker)	Powesheik skipperling
<i>Ophiogomphus howei</i> Bromley	Pygmy snaketail
<i>Papaipema silphii</i> Bird	Silphium borer moth
<i>Tachopteryx thoreyi</i> (Hagen)	Grey petaltail
<i>Trimerotropis huroniana</i> E. M. Walker	Lake Huron locust

(3) The following insect species are thought to be extirpated in Michigan, but will be listed automatically as threatened if rediscovered in the state:

<i>Nicrophorus americanus</i> Olivier	American burying beetle
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History: 1979 AC; 1987 AACS; 1991 AACS; 1998-2000 AACS; 2009 MR 7, Eff. Apr. 9, 2009.

**R 299.1023 Fishes.**

Rule 3. (1) The following fish species are included on the state list of endangered species:

<i>Clinostomus elongatus</i> (Kirtland)	Redside dace
<i>Erimyzon claviformis</i> (Girard)	Western creek chubsucker
<i>Notropis anogenus</i> Forbes	Pugnose shiner
<i>Notropis photogenis</i> (Cope)	Silver shiner
<i>Noturus stigmosus</i> Taylor	Northern madtom
<i>Opsopoeodus emiliae</i> Hay	Pugnose minnow
<i>Percina copelandi</i> (Jordan)	Channel darter
<i>Percina shumardi</i> (Girard)	River darter
<i>Phoxinus erythrogaster</i> (Rafinesque)	Southern redbelly dace

(2) The following fish species are included on the state list of threatened species:

<i>Acipenser fulvescens</i> Rafinesque	Lake sturgeon
<i>Ammocrypta pellucida</i> (Putnam)	Eastern sand darter
<i>Coregonus artedii</i> Lesueur	Cisco
<i>Coregonus bartletti</i> (Koelz)	Siskiwit lake cisco
<i>Coregonus hubbsi</i> (Koelz)	Ives lake cisco
<i>Coregonus zenithicus</i> (Jordan and Evermann)	Shortjaw cisco
<i>Hiodon tergisus</i> Lesueur	Mooneye
<i>Moxostoma carinatum</i> (Cope)	River redhorse
<i>Sander canadensis</i> (Smith)	Sauger

(3) The following fish species are thought to be extirpated in Michigan, but will be listed automatically as threatened if rediscovered in the state:

<i>Coregonus nigripinnis</i> (Gill)	Blackfin cisco
<i>Coregonus reighardi</i> (Koelz)	Shortnose cisco
<i>Notropis amblops</i> (Rafinesque)	Bigeye chub
<i>Notropis chalybaeus</i> (Cope)	Ironcolor shiner
<i>Notropis texanus</i> (Girard)	Weed shiner
<i>Polyodon spathula</i> (Walbaum)	Paddlefish
<i>Thymallus arcticus</i> (Richardson)	Arctic grayling

(4) The following fish species are thought to be extinct, but will be listed automatically as extirpated if rediscovered outside Michigan and listed automatically as threatened if rediscovered within Michigan:

Deepwater cisco

*Coregonus johanna*e (Wagner)  
*Sander glaucus* (Hubbs)

Blue pike

History: 1979 AC; 1980 AACS; 1983 AACS; 1987 AACS; 1991 AACS; 1998-2000 AACS; 2009 AACS.

**R 299.1024 Amphibians.**

Rule 4. (1) The following amphibian species are included on the state list of endangered species:

*Ambystoma opacum* (Gravenhorst)  
*Ambystoma texanum* (Matthews)

Marbled salamander  
Smallmouth salamander

(2) The following amphibian species is included on the state list of threatened species:

*Acris crepitans blanchardi* (Harper)

Blanchard's cricket frog

History: 1979 AC; 1983 AACS; 1987 AACS; 1991 AACS; 1998-2000 AACS; 2009 MR 7, Eff. Apr. 9, 2009.

**R 299.1025 Reptiles.**

Rule 5. (1) The following reptile species are included on the state list of endangered species:

*Clonophis kirtlandii* (Kennicott)  
*Nerodia erythrogaster neglecta* (Conant)

Kirtland's snake  
Copperbelly water snake

(2) The following reptile species are included on the state list of threatened species:

<i>Aspidoscelis sexlineata</i> (Linnaeus)	Six-lined racerunner
<i>Clemmys guttata</i>	Spotted turtle
<i>Pantherophis gloydi</i> Conant (= <i>Elaphe vulpina gloydi</i> )	Eastern fox snake

History: 1979 AC; 1980 AACS; 1983 AACS; 1987 AACS; 1991 AACS; 1998-2000 AACS; 2009 AACS.

**R 299.1026 Birds.**

Rule 6. (1) The following bird species are included on the state list of endangered species:

<i>Ammodramus henslowii</i> (Audubon)	Henslow's sparrow
<i>Asio flammeus</i> (Pontoppidan)	Short-eared owl
<i>Charadrius melodus</i> Ord	Piping plover
<i>Dendroica discolor</i> (Vieillot)	Prairie warbler
<i>Dendroica kirtlandii</i> (Baird)	Kirtland's warbler
<i>Falco peregrinus</i> Tunstall	Peregrine falcon
<i>Lanius ludovicianus migrans</i> (Palmer)	Migrant loggerhead shrike
<i>Rallus elegans</i> Audubon	King rail
<i>Tyto alba</i> (Scopoli)	Barn owl

(2) The following bird species are included on the state list of threatened species:

<i>Asio otis</i> (Linnaeus)	Long-eared owl
<i>Buteo lineatus</i> (Gmelin)	Red-shouldered hawk
<i>Corturnicops noveboracensis</i> (Gmelin)	Yellow rail
<i>Cygnus buccinator</i> Richardson	Trumpeter swan
<i>Dendroica cerulea</i> (Wilson)	Cerulean warbler
<i>Dendroica dominica</i> (Linnaeus)	Yellow-throated warbler
<i>Falco columbarius</i> (Linnaeus)	Merlin
<i>Gallinula chloropus</i> (Linnaeus)	Common moorhen
<i>Gavia immer</i> (Brunnich)	Common loon
<i>Ixobrychus exilis</i> (Gmelin)	Least bittern
<i>Seiurus motacilla</i> (Vieillot)	Louisiana waterthrush
<i>Sterna caspia</i> Pallas	Caspian tern
<i>Sterna forsteri</i> Nuttall	Forster's tern
<i>Sterna hirundo</i> Linnaeus	Common tern

(3) The following bird species are thought to be extirpated in Michigan, but will be listed automatically as threatened if rediscovered in the state:

*Chondestes grammacus* (Say)

Lark sparrow

History: 1979 AC; 1980 AACS; 1983 AACS; 1987 AACS; 1991 AACS; 1998-2000 AACS; 2009 AACS.

**R 299.1027 Mammals.**

Rule 7. (1) The following mammal species are included on the state list of endangered species:

*Felis concolor* Linnaeus

Cougar

*Lynx canadensis* Kerr

Lynx

*Microtus ochrogaster* (Wagner)

Prairie vole

*Myotis sodalis* Miller and Allen

Indiana bat

(2) The following mammal species are included on the state list of threatened species:

*Cryptotis parva* (Say)

Least shrew

*Nycticeius humeralis* (Rafinesque)

Evening bat

*Sorex fumeus* Miller

Smoky shrew

History: 1979 AC; 1980 AACS; 1983 AACS; 1987 AACS; 1991 AACS; 1998-2000 AACS; 2002 AACS; 2009 MR 7, Eff. Apr. 9, 2009.

**R 299.1028 Plants.**

Rule 8. (1) The following plant species are included on the state list of endangered species:

*Agalinas gattingeri* Small [*Gerardia gattingeri* Small]

Gattinger's gerardia

*Agalinas skinneriana* (A. Wood) Britton [*Gerardia skinneriana* A. Wood]

Skinner's gerardia

*Amerorchis rotundifolia* (Pursh) Hultén

Small round-leaved orchis

*Androsace occidentalis* Pursh

Rock-jasmine

<i>Antennaria rosea</i> Greene	Rosy pussytoes
<i>Aristida tuberculosa</i> Nutt.	Beach three-awned grass
<i>Arnica cordifolia</i> Hooker	Heart-leaved arnica
<i>Arnica lonchophylla</i> Greene	Longleaf arnica
<i>Asclepias ovalifolia</i> Dcne.	Dwarf milkweed
<i>Asplenium ruta-muraria</i> L.	Wall-rue
<i>Asplenium scolopendrium</i> L. var. <i>americana</i> (Fernald)	
Kartesz & Ghandi [ <i>Phyllitis scolopendrium</i> var. <i>americanum</i> Fern.]	Hart's-tongue fern
<i>Baptisia leucophaea</i> Nutt.	Cream wild indigo
<i>Besseyia bullii</i> (Eaton) Rydb.	Kitten-tails
<i>Botrychium acuminatum</i> W. H. Wagner	Moonwort
<i>Bouteloua curtipendula</i> (Michaux) Torrey	Side-oats grama grass
<i>Carex crus-corvi</i> Kuntze	Raven's-foot sedge
<i>Carex heleonastes</i> Ehrh.	Hudson Bay sedge
<i>Carex nigra</i> (L.) Reichard	Black sedge
<i>Carex platyphylla</i> Carey	Broad-leaved sedge
<i>Carex straminea</i> Willd.	Straw sedge
<i>Castanea dentata</i> (Marsh.) Borkh.	American chestnut
<i>Chamaerhodos nuttallii</i> Fern.	Rock-rose
<i>Chasmanthium latifolium</i> (Michx.) Yates [ <i>Uniola latifolia</i> Michaux]	Wild oats
<i>Chelone obliqua</i> L.	Purple turtlehead
<i>Dasistoma macrophylla</i> (Nutt.) Raf.	Mullein-foxglove
<i>Dichantherium polyanthes</i> (Schult.) Mohlenbr	Round-seed panic-grass
<i>Dodecatheon meadia</i> L.	Shooting star
<i>Draba glabella</i> Pursh.	Smooth whitlow grass
<i>Eleocharis atropurpurea</i> (Retz.) Kunth	Purple spike rush
<i>Eleocharis microcarpa</i> Torrey	Small-fruited spike-rush
<i>Eleocharis nitida</i> Fern.	Slender spike rush
<i>Eleocharis parvula</i> (R. & S.) Link	Dwarf spike-rush
<i>Echinodorus tenellus</i> (Mart.) Buchenau	Dwarf burhead
<i>Galium kamtschaticum</i> Schultes & J. H. Schultes	Bedstraw
<i>Gentiana flavida</i> A. Gray [ <i>G. alba</i> Muhl.]	White gentian
<i>Gentiana puberulenta</i> J. Pringle [ <i>G. puberula</i> Michaux]	Downy gentian
<i>Gillenia trifoliata</i> (Muhl.) Baill. [(L.) Moench.]	Bowman's root
<i>Gymnocarpium jessoense</i> (Koidz.) Koidz.	Northern oak fern
<i>Hedysarum alpinum</i> L.	Alpine sainfoin
<i>Hymenoxys herbacea</i> (Greene) Cusick [ <i>Hymenoxys acaulis</i> var. <i>glabra</i> (Gray) Parker]	
<i>Hypericum sphaerocarpum</i> Michaux	Lakeside daisy
<i>Isoetes engelmannii</i> A. Braun	Round-fruited St. John's-wort
<i>Lygodium palmatum</i> (Bernh.) Sw.	Engelmann's quillwort
<i>Mertensia virginica</i> Pers. (L.)	Climbing fern
<i>Mimulus michiganensis</i> (Pennell) Posto & Prather	Virginia bluebells
	Michigan monkey flower



<i>Nuphar pumila</i> (Timm) DC. [ <i>N. microphylla</i> (Pers.) Fern.]	Small yellow pond lily
<i>Nymphaea leibergii</i> Morong	Pygmy water lily
<i>Ophioglossum vulgatum</i> L. [ <i>Ophioglossum pycnostichum</i> (Fern.) Löve & Löve]	Southeastern adder's-tongue
<i>Opuntia fragilis</i> (Nutt.) Haw.	Fragile prickly pear
<i>Penstemon gracilis</i> Nutt.	Slender beard tongue
<i>Phlox ovata</i> L. ( <i>P. latifolia</i> Michx.)	Wideflower phlox
<i>Plantago cordata</i> Lam.	Heart-leaved plantain
<i>Platanthera ciliaris</i> (L.) Lindley [ <i>Habenaria ciliaris</i> (L.) R. Br.]	Orange- or yellow-fringed orchid
<i>Platanthera leucophaea</i> (Nutt.) Lindley [ <i>Habenaria leucophaea</i> (Nutt.) A. Gray]	Prairie white-fringed orchid
<i>Poa canbyi</i> (Scribner) Piper	Canby's bluegrass
<i>Populus heterophylla</i> L.	Swamp or Black cottonwood
<i>Potamogeton pulcher</i> Tuckerman	Spotted pondweed
<i>Prosartes hookeri</i> Torr.	Fairy bells
<i>Proserpinaca pectinata</i> Lam.	Mermaid-weed
<i>Rhynchospora (Psilocarya) nitens</i> (Vahl) A. Gray	Short-beak beak-rush
<i>Rhynchospora recognita</i> (Gale) Kral	Globe beak-rush
<i>Rubus acaulis</i> Michaux	Dwarf raspberry
<i>Ruellia strepens</i> L.	Smooth ruellia
<i>Rumex occidentalis</i> S. Wats	Western dock
<i>Sanguisorba canadensis</i> L.	Canadian burnet
<i>Schoenoplectus americanus</i> (Pers.) Schinz & R. Keller	Three-square bulrush
<i>Scleria pauciflora</i> Willd.	Few-flowered nut rush
<i>Scutellaria nervosa</i> Pursh	Skullcap
<i>Silene virginica</i> L.	Fire pink
<i>Solidago bicolor</i> L.	White goldenrod
<i>Sporobolus clandestinus</i> (Biehler) Hitch.	Dropseed
<i>Stellaria crassifolia</i> Ehrh.	Fleshy stitchwort
<i>Subularia aquatica</i> L.	Awlwort
<i>Tipularia discolor</i> (Pursh) Nutt.	Cranefly orchid
<i>Trillium undulatum</i> Willd.	Painted trillium
<i>Utricularia inflata</i> Walter [ <i>U. radiata</i> Small]	Floating bladderwort
<i>Vaccinium vitis-idaea</i> L.	Mountain cranberry
<i>Viola epipsila</i> Ledeb.	Northern marsh violet
<i>Woodsia alpina</i> (Bolton) S. F. Gray	Northern woodsia

(2) The following plant species are included on the state list of threatened species:

<i>Agoseris glauca</i> (Pursh) Raf.	Prairie or pale agoseris
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<i>Agrimonia rostellata</i> Wallr.	Beaked agrimony
<i>Allium schoenoprasum</i> L. (native variety)	Chives
<i>Arabis perstellata</i> E. L. Braun	Rock cress
<i>Aristida longespica</i> Poiret	Three-awned grass
<i>Aristolochia serpentaria</i> L.	Virginia snakeroot
<i>Armoracia lacustris</i> (A. Gray) Al-Shehbaz & V. Bates[ <i>Armoracia aquatica</i> (Eaton Wiegand)]	Lake cress
<i>Artemisia ludoviciana</i> Nutt.	Western mugwort
<i>Asclepias hirtella</i> (Pennell) Woodson	Tall green milkweed
<i>Asclepias purpurascens</i> L.	Purple milkweed
<i>Asclepias sullivantii</i> Engelm.	Sullivant's milkweed
<i>Asplenium rhizophyllum</i> L. [ <i>Camptosorus rhizophyllum</i> (L.) Link]	Walking fern
<i>Aster drummondii</i> Lindl	Drummond's aster
<i>Aster furcatus</i> Burgess	Forked aster
<i>Aster modestus</i> Lindley	Great northern aster
<i>Aster sericeus</i> Vent.	Western silvery aster
<i>Astragalus canadensis</i> L.	Canadian milk vetch
<i>Bartonia paniculata</i> (Michaux) Muhl.	Panicled screwstem
<i>Beckmannia syzigachne</i> (Steudel) Fern.	Slough grass
<i>Berula erecta</i> (Nutt.) Fern. [ <i>Berula pusilla</i> (Nutt.) Fern.]	Cut-leaved water parsnip
<i>Botrychium campestre</i> W. H. Wagner	Prairie Moonwort or Dunewort
<i>Botrychium hesperium</i> (Maxon & Clausen) W. H. Wagner & Lellinger	Western moonwort
<i>Botrychium mormo</i> W. H. Wagner	Goblin moonwort
<i>Botrychium spathulatum</i> W. H. Wagner	Spatulate moonwort
<i>Braya humilis</i> (C. A. Meyer) Robinson	Low northern rock cress
<i>Bromus pumpellianus</i> Scribner	Pumpelly's brome grass
<i>Calamagrostis lacustris</i> (Kearney) Nash	Northern reedgrass
<i>Calamagrostis stricta</i> (Timm) Koeler	Narrow-leaved reedgrass
<i>Callitriche heterophylla</i> Pursh	Large water starwort
<i>Caltha natans</i> Pallas ex Georgi	Floating marsh marigold
<i>Calypso bulbosa</i> (L.) Oakes	Calypso or fairy-slipper
<i>Camassia scilloides</i> (Raf.) Cory	Wild hyacinth
<i>Carex albolutescens</i> Schw.	Sedge
<i>Carex assiniboinensis</i> W. Boott	Assiniboia sedge
<i>Carex atratiformis</i> Britton	Sedge
<i>Carex conjuncta</i> F. Boott.	Sedge
<i>Carex lupuliformis</i> Dewey	False hop sedge
<i>Carex media</i> R. Br.	Sedge
<i>Carex novae-angliae</i> Schwein.	New England sedge
<i>Carex oligocarpa</i> Willd.	Eastern few-fruited sedge
<i>Carex rossii</i> Boott	Ross's sedge
<i>Carex scirpoidea</i> Michaux	Bulrush sedge

<i>Carex seorsa</i> Howe	Sedge
<i>Carex tincta</i> Fern.	Sedge
<i>Carex typhina</i> Michaux	Cattail sedge
<i>Castilleja septentrionalis</i> Lindley	Pale Indian paintbrush
<i>Ceanothus sanguineus</i> Pursh	Wild lilac
<i>Cerastium brachypodum</i> (Engelm. ex A. Gray) B.L. Rob.	Shortstalk chickweed
<i>Cirsium pitcheri</i> (Eaton) Torrey & A. Gray	Pitcher's thistle
<i>Collinsia parviflora</i> Lindley	Small blue-eyed Mary
<i>Coreopsis palmate</i> Nutt.	Prairie coreopsis
<i>Corydalis flavula</i> (Raf.) DC.	Yellow fumewort
<i>Cryptogramma acrostichoides</i> R. Br.	American rock-brake
<i>Cypripedium candidum</i> Willd.	White lady slipper
<i>Cystopteris tennesseensis</i> Shaver	Tennessee bladder fern
<i>Dalibarda repens</i> L.	False violet
<i>Dennstaedtia punctilobula</i> (Michx.) T. Moore	Hay-scented fern
<i>Dentaria maxima</i> Nutt.	Large toothwort
<i>Diarrhena obovata</i> (Gleason) Brandenburg	Beak grass
<i>Dichantherium leibergii</i> (Vasey) Freckmann	Leiberg's panic grass
<i>Draba cana</i> Rydb.	Ashy whitlow grass
<i>Draba incana</i> L.	Twisted whitlow grass
<i>Draba reptans</i> (Lam.) Fern.	Creeping whitlow grass
<i>Dryopteris celsa</i> (W. Palmer) Small	Small log fern
<i>Eleocharis compressa</i> Sulliv.	Flattened spike rush
<i>Eleocharis tricostata</i> Torrey	Three-ribbed spike rush
<i>Empetrum nigrum</i> L.	Black crowberry
<i>Erigeron acris</i> L.	Fleabane
<i>Erigeron hyssopifolius</i> Michaux	Hyssop-leaved fleabane
<i>Eryngium yuccifolium</i> Michaux	Rattlesnake-master or button snakeroot
<i>Eupatorium fistulosum</i> Barratt	Hollow-stemmed Joe-pye weed
<i>Eupatorium sessilifolium</i> L.	Upland boneset
<i>Euphorbia commutata</i> Engelm.	Tinted spurge
<i>Euphrasia hudsoniana</i> Fernald & Weigand	Eyebright
<i>Euphrasia nemorosa</i> (Pers.) Wallr.	Eyebright
<i>Festuca scabrella</i> Torrey [ <i>F. altaica</i> Trin.]	Rough fescue
<i>Filipendula rubra</i> (Hill) Robinson	Queen-of-the-prairie
<i>Fraxinus profunda</i> (Bush) Bush [ <i>F. tomentosa</i> F. Michaux]	Pumpkin ash
<i>Fuirena pumila</i> (Torr.) Spreng.	Umbrella-grass
<i>Galearis spectabilis</i> (L.) Raf.	Showy orchis
<i>Gentiana linearis</i> Froel.	Narrow-leaved gentian
<i>Gentianella quinquefolia</i> (L.) Small	Stiff gentian
<i>Geum triflorum</i> Pursh	Prairie smoke
<i>Glyceria melicaria</i> (Michx.) C.E. Hubb.	Slender manna grass

<i>Gnaphalium sylvaticum</i> L.	Woodland everlasting
<i>Gratiola aurea</i> Pursh [ <i>G. lutea</i> Raf.]	Hedge-hyssop
<i>Gratiola virginiana</i> L.	Annual hedge hyssop
<i>Gymnocarpium robertianum</i> (Hoffman) Newman	Limestone oak fern
<i>Helianthus mollis</i> Lam.	Downy sunflower
<i>Hieracium paniculatum</i> L.	Panicled hawkweed
<i>Hydrastis canadensis</i> L.	Goldenseal
<i>Hypericum adpressum</i> Raf. ex W. Bart.	Creeping St. John's-wort
<i>Ipomoea pandurata</i> (L.) G. F. W. Meyer	Wild potato vine or man-of-the-earth
<i>Iris lacustris</i> Nutt.	Dwarf lake iris
<i>Isotria verticillata</i> (Willd.) Raf.	Whorled pogonia
<i>Juncus brachycarpus</i> Engelm.	Short-fruited rush
<i>Juncus militaris</i> Bigelow	Bayonet rush
<i>Juncus scirpoides</i> Lam.	Scirpus-like rush
<i>Juncus stygius</i> L.	Moor rush
<i>Juncus vaseyi</i> Engelm.	Vasey's rush
<i>Justicia americana</i> (L.) Vahl	Water willow
<i>Lactuca floridana</i> (L.) Gaertner	Woodland lettuce
<i>Lechea pulchella</i> Raf. [ <i>Lechea leggettii</i> Britton & Hollick]	Leggett's pinweed
<i>Linum virginianum</i> L.	Virginia flax
<i>Lonicera involucrata</i> (Richardson) Banks	Black twinberry
<i>Ludwigia sphaerocarpa</i> Ell.	Globe-fruited seedbox
<i>Luzula parviflora</i> (Ehrh.) Desv.	Small-flowered wood rush
<i>Lycopodiella margaritae</i> J. G. Bruce, W. H. Wagner, & Beitel	Clubmoss
<i>Lycopus virginicus</i> L.	Virginia water-horehound
<i>Moehringia macrophylla</i> (Hook.) Fenzl	Big-leaf sandwort
<i>Morus rubra</i> L.	Red mulberry
<i>Muhlenbergia richardsonis</i> (Trin.) Rydb.	Mat muhly
<i>Myrica pensylvanica</i> Mirbel	Northern bayberry
<i>Myriophyllum farwellii</i> Morong	Farwell's water milfoil
<i>Nelumbo lutea</i> (Willd.) Pers. [ <i>Nelumbo pentapetala</i> (Walter) Fern.]	American lotus
<i>Oplopanax horridus</i> (Smith) Miq.	Devil's club
<i>Orobanche fasciculata</i> Nutt.	Broomrape
<i>Oryzopsis canadensis</i> (Poiret) Torrey	Canada rice grass
<i>Osmorhiza depauperata</i> Phil.	Sweet Cicely
<i>Panax quinquefolius</i> L.	Ginseng
<i>Panicum longifolium</i> Torrey	Panic grass
<i>Panicum philadelphicum</i> Bernh. Ex Trin.	Philadelphia panic-grass
<i>Panicum verrucosum</i> Muhl.	Warty panic grass
<i>Parnassia palustris</i> L.	Marsh grass-of-parnassus
<i>Pellaea atropurpurea</i> (L.) Link.	Purple cliff brake
<i>Penstemon calycosus</i> Small	Beard tongue

<i>Petasites sagittatus</i> (Pursh) A. Gray	Sweet coltsfoot
<i>Phacelia franklinii</i> (R. Br.) A. Gray	Franklin's phacelia
<i>Phlox maculata</i> L.	Wild sweet William
<i>Poa alpina</i> L.	Alpine bluegrass
<i>Poa paludigena</i> Fern. & Wieg.	Bog bluegrass
<i>Polemonium reptans</i> L.	Jacob's ladder
<i>Polygonum careyi</i> Olney	Carey's smartweed
<i>Polygonum viviparum</i> L.	Alpine bistort
<i>Polymnia uvedalia</i> L.	Yellow-flowered leafcup
<i>Potamogeton bicupulatus</i> Fern. [ <i>Potamogeton capillaceus</i> Poirét]	Waterthread pondweed
<i>Potamogeton hillii</i> Morong	Hill's pondweed
<i>Potamogeton vaseyi</i> Robins	Vasey's pondweed
<i>Potentilla paradoxa</i> Nutt.	Sand cinquefoil
<i>Potentilla pensylvanica</i> L.	Prairie cinquefoil
<i>Prenanthes crepidinea</i> Michx.	Nodding rattlesnake-root
<i>Prosartes trachycarpa</i> S. Watson	Northern fairy bells
<i>Pterospora andromedea</i> Nutt.	Pine-drops
<i>Pycnanthemum muticum</i> (Michx.) Pers.	Mountain mint
<i>Pycnanthemum pilosum</i> Nutt.	Hairy mountain mint
<i>Ranunculus ambigens</i> Watson	Spearwort
<i>Ranunculus cymbalaria</i> Pursh	Seaside crowfoot
<i>Ranunculus lapponicus</i> L.	Lapland buttercup
<i>Ranunculus macounii</i> Britton	Macoun's buttercup
<i>Ranunculus rhomboideus</i> Goldie	Prairie buttercup
<i>Rhexia mariana</i> L.	Maryland meadow beauty
<i>Rhynchospora scirpoides</i> (Torr.) A. Gray	Bald-rush
<i>Ruellia humilis</i> Nutt.	Hairy wild petunia
<i>Ruppia maritima</i> L.	Widgeon grass
<i>Sabatia angularis</i> (L.) Pursh	Rosepink
<i>Sagina nodosa</i> (L.) Fenzl	Pearlwort
<i>Sagittaria montevidensis</i> Cham. & Schlecht.	Arrowhead
<i>Salix planifolia</i> Pursh	Tea-leaved willow
<i>Sarracenia purpurea</i> f. <i>heterophylla</i> (Eaton) Fern.	Yellow pitcher plant
<i>Saxifraga paniculata</i> Miller [S. aizoön Jacq.]	Encrusted saxifrage
<i>Saxifraga tricuspidata</i> Rottb.	Prickly saxifrage
<i>Schoenoplectus hallii</i> (A. Gray) S.G. Sm.	Hall's bulrush
<i>Scleria reticularis</i> Michaux	Netted nut rush
<i>Scutellaria ovata</i> Hill	Forest skullcap
<i>Scutellaria parvula</i> Michaux [sensu lato]	Small skullcap
<i>Senecio indecorus</i> Greene	Northern ragwort
<i>Silene nivea</i> (Nutt.) Muhl. ex Oth	Evening campion
<i>Silene stellata</i> (L.) Aiton f.	Starry campion
<i>Silphium integrifolium</i> Michaux	Rosinweed
<i>Silphium laciniatum</i> L.	Compass plant
<i>Silphium perfoliatum</i> L.	Cup plant

<i>Sisyrinchium atlanticum</i> Bickn.	Atlantic blue-eyed-grass
<i>Solidago houghtonii</i> A. Gray	Houghton's goldenrod
<i>Solidago missouriensis</i> Nutt.	Missouri goldenrod
<i>Spiranthes ovalis</i> Lindley	Lesser ladies'-tresses
<i>Tanacetum huronense</i> Nutt.	Lake Huron tansy
<i>Tofieldia pusilla</i> (Michaux) Pers.	False asphodel
<i>Trichostema brachiatum</i> L. [ <i>Isanthus brachiatus</i> (L.) BSP.]	False pennyroyal
<i>Trichostema dichotomum</i> L.	Bastard pennyroyal
<i>Trillium nivale</i> Riddell	Snow trillium
<i>Trillium recurvatum</i> Beck	Prairie trillium
<i>Trillium sessile</i> L.	Toadshade
<i>Triphora trianthophora</i> (Sw.) Rydb.	Nodding pogonia or three birds orchid
<i>Utricularia subulata</i> L.	Bladderwort
<i>Vaccinium cespitosum</i> Michaux	Dwarf bilberry
<i>Vaccinium uliginosum</i> L.	Alpine blueberry
<i>Valeriana edulis</i> var. <i>ciliata</i> (T. & G.) Cronquest	Edible valerian
<i>Valerianella chenopodiifolia</i> (Pursh) DC.	Goosefoot corn salad
<i>Valerianella umbilicata</i> (Sull.) A. W. Wood	Corn salad
<i>Viburnum edule</i> (Michx.) Raf.	Squashberry or mooseberry
<i>Viola novae-angliae</i> House	New England violet
<i>Viola pedatifida</i> G. Don	Prairie birdfoot violet
<i>Vitis vulpina</i> L.	Frost grape
<i>Wisteria frutescens</i> (L.) Poiret	Wisteria
<i>Wolffia papulifera</i> Thompson [ <i>W. brasiliensis</i> Weddell]	Watermeal
<i>Woodsia obtusa</i> (Sprengel) Torrey	Blunt-lobed woodsia
<i>Zizania aquatica</i> var. <i>aquatica</i> L.	Wild rice
<i>Zizia aptera</i> (A. Gray) Fern.	Prairie golden alexanders

(3) This rule does not apply to cultivated plants.

(4) The following species of plants are thought to be extirpated in Michigan, but will be listed automatically as threatened if rediscovered in the state:

<i>Agropyron spicatum</i> (Pursh) Scribner & J. G. Smith	Bluebunch wheatgrass
<i>Aristida dichotoma</i> Michaux	Three-awned grass
<i>Buchnera americana</i> L.	Bluehearts
<i>Carex decomposita</i> Muhl.	Log sedge
<i>Carex gravida</i> Bailey	Sedge
<i>Carex haydenii</i> Dewey	Hayden's sedge
<i>Cerastium velutinum</i> Raf.	Field chickweed
<i>Commelina erecta</i> L.	Slender dayflower

<i>Cyperus acuminatus</i> Torrey & Hooker	Cyperus, Nut grass
<i>Dalea purpurea</i> Vent. [ <i>Petalostemon purpurem</i> (Vent.) Rydb.]	Purple prairie clover
<i>Digitaria filiformis</i> (L.) Koeler	Slender finger grass
<i>Diphasiastrum (Lycopodium) alpinum</i> (L.) Holub	Alpine clubmoss
<i>Echinacea purpurea</i> (L.) Moench.	Purple coneflower
<i>Eleocharis geniculata</i> (L.) Roem & Schult.	Spike-rush
<i>Eleocharis radicans</i> (Poiret) Kunth	Spike rush
<i>Equisetum telmateia</i> Ehrh.	Giant horsetail
<i>Fimbristylis puberula</i> (Michaux) Vahl	Chestnut sedge
<i>Gentiana saponaria</i> L.	Soapwort gentian
<i>Glyceria acutiflora</i> Torrey	Manna grass
<i>Hedyotis nigricans</i> (Lam.) Fosb.	Hedyotis
<i>Helianthus microcephalus</i> Torrey & Gray	Small wood sunflower
<i>Hibiscus laevis</i> All.	Smooth rose-mallow
<i>Houstonia caerulea</i> L.	Azure bluet
<i>Isotria medeoloides</i> (Pursh) Raf.	Smaller whorled pogonia
<i>Lactuca pulchella</i> (Pursh) A. Gray	Blue lettuce
<i>Lechea minor</i> L.	Least pinweed
<i>Lemna valdiviana</i> Phil.	Pale duckweed
<i>Lespedeza procumbens</i> Michaux	Trailing bush clover
<i>Liatris punctata</i> Hooker	Dotted blazing star
<i>Liatris squarrosa</i> (L.) Michx.	Plains blazing star
<i>Lithospermum incisum</i> Lehm.	Narrow-leaved puccoon
<i>Lysimachia hybrida</i> Michaux	Swamp candles
<i>Mikania scandens</i> (L.) Willd.	Mikania
<i>Mimulus alatus</i> Aiton	Winged monkey flower
<i>Muhlenbergia cuspidata</i> (Hooker) Rydb.	Plains muhly
<i>Onosmodium molle</i> Michx.	Marbleweed
<i>Oxalis violacea</i> L.	Violet wood sorrel
<i>Paronychia fastigiata</i> (Raf.) Fern.	Low-forked chickweed
<i>Phaseolus polystachios</i> (L.) BSP.	Wild bean
<i>Phleum alpinum</i> L.	Mountain timothy
<i>Phlox bifida</i> Beck	Cleft phlox
<i>Polygala incarnata</i> L.	Pink milkwort
<i>Polytaenia nuttallii</i> DC.	Prairie parsley
<i>Prosartes maculata</i> (Buckley) A. Gray	Nodding mandarin
<i>Rudbeckia subtomentosa</i> Pursh	Sweet coneflower
<i>Scutellaria incana</i> Biehler	Skullcap
<i>Scutellaria ovata</i> Hill	Forest skullcap
<i>Senecio congestus</i> (R. Br.) DC.	Marsh fleabane
<i>Sisyrinchium fuscatum</i> E.P. Bicknell	Farwell's blue-eyed grass
<i>Sisyrinchium hastile</i> Bickn.	Blue-eyed grass
<i>Tomanthera auriculata</i> (Michaux) Raf. [ <i>Agalinas auriculata</i> (Michaux) S. F. Blake]	Eared foxglove
<i>Tradescantia bracteata</i> Small.	Long-bracted spiderwort

*Woodwardia areolata* (L.) T. Moore

Netted chain fern

History: 1979 AC; 1980 AACS; 1983 AACS; 1987 AACS; 1991 AACS; 1998-2000 AACS; 2009 AACS.