

**Michigan's Federally
Threatened, Endangered, Proposed and Candidate Species'
County Distribution**

For more information about threatened and endangered species in Michigan, contact the
U.S. Fish & Wildlife Service office at 2651 Coolidge Road, Suite 101,
East Lansing, Michigan 48823 (517)351-6274)

Species	Status	Counties	Habitat
Mammals			
Canada lynx (<i>Lynx canadensis</i>)	Threatened	Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon, Schoolcraft	A Canada lynx was recently documented in the Upper Peninsula. The counties listed here have the highest potential for Lynx presence: Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon, Schoolcraft.
Gray wolf (<i>Canis lupus</i>)	Endangered	Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon, Schoolcraft	Northern forested areas
Indiana bat (<i>Myotis sodalis</i>)	Endangered	Allegan, Barry, Bay, Benzie, Berrien, Branch, Calhoun, Cass, Clinton, Eaton, Genesee, Gratiot, Hillsdale, Huron, Ingham, Ionia, Jackson, Kalamazoo, Kent, Lapeer, Leelanua, Lenawee, Livingston, Macomb, Manistee*, Mason, Monroe, Montcalm, Muskegon, Oakland, Oceana, Saginaw, St. Clair, St. Joseph, Sanilac, Shiawasee, Tuscola, Van Buren, Washtenaw, Wayne * hibernaculum	Summer habitat includes small to medium river and stream corridors with well developed riparian woods; woodlots within 1 to 3 miles of small to medium rivers and streams; and upland forests. Caves and mines as hibernacula.
Birds			
Kirtland's warbler (<i>Dendroica kirtlandii</i>)	Endangered	Alcona, Baraga, Chippewa, Clare, Crawford, Delta, Grand Traverse, Iosco, Kalkaska, Luce, Marquette, Montmorency, Ogemaw, Oscoda, Otsego, Presque Isle, Roscommon, Schoolcraft	Nests in young stands of jack pine
Piping plover (<i>Charadrius melodus</i>)	Endangered	Alger, Alpena, Benzie, Berrien, Charlevoix, Cheboygan, Chippewa, Delta, Emmet, Leelanau, Luce, Mackinac, Mason, Muskegon, Presque Isle, Schoolcraft	Beaches along shorelines of the Great Lakes
Piping plover (<i>Charadrius melodus</i>)	Critical Habitat Designated	Alger, Benzie, Charlevoix, Cheboygan, Chippewa, Emmet, Iosco, Leelanau, Luce, Mackinac, Mason, Muskegon, Presque Isle, Schoolcraft	
Reptiles			

Species	Status	Counties	Habitat
Copperbelly water snake (<i>Nerodia erythrogaster neglecta</i>)	Threatened	Branch, Calhoun, Cass, Eaton, Hillsdale, St. Joseph	Wooded and permanently wet areas such as oxbows, sloughs, brushy ditches and floodplain woods
Eastern massasauga (<i>Sistrurus catenatus catenatus</i>)	Candidate	Alcona, Allegan, Alpena, Antrim, Arenac, Barry, Berrien, Branch, Calhoun, Cass, Cheboygan, Clare, Clinton, Crawford, Eaton, Emmett, Genesee, Grand Traverse, Hillsdale, Huron, Ingham, Ionia, Iosco, Jackson, Kalamazoo, Kalkaska, Kent, Lake, Lapeer, Lenawee, Livingston, Mackinac, Macomb, Manistee, Mason, Missaukee, Montcalm, Montmorency, Muskegon, Newaygo, Oakland, Oscoda, Presque Isle, Saginaw, St. Joseph, Shiawassee, Van Buren, Washtenaw, Wayne	
Insects			
Hine's emerald dragonfly (<i>Somatochlora hineana</i>)	Endangered	Alpena, Mackinac, Menominee, Presque Isle	Spring fed wetlands, wet meadows and marshes; calcareous streams & associated wetlands overlying dolomite bedrock
Hungerford's crawling water beetle (<i>Brychius hungerfordi</i>)	Endangered	Emmet, Montmorency, Presque Isle	Cool riffles of clean, slightly alkaline streams; known to occur in five streams in northern Michigan.
Karner blue butterfly (<i>Lycaeides melissa samuelis</i>)	Endangered	Allegan, Ionia, Kent, Lake, Mason, Mecosta, Monroe, Montcalm, Muskegon, Newaygo, Oceana	Pine barrens and oak savannas on sandy soils and containing wild lupines (<i>Lupinus perennis</i>), the only known food plant of larvae
Mitchell's satyr (<i>Neonympha mitchellii mitchellii</i>)	Endangered	Barry, Berrien, Branch, Cass, Jackson, Kalamazoo, St. Joseph, Van Buren, Washtenaw	Fens; wetlands characterized by calcareous soils which are fed by carbonate-rich water from seeps and springs
Mussels			
Clubshell (<i>Pleurobema clava</i>)	Endangered	Hillsdale	Found in coarse sand and gravel areas of runs and riffles within streams and small rivers
Northern riffleshell (<i>Dysnomia torulosa rangiana</i>)	Endangered	Monroe, Sanilac, Wayne	Large streams and small rivers in firm sand of riffle areas; also occurs in Lake Erie
Rayed Bean Mussel (<i>Villosa fabalis</i>)	Candidate	Hillsdale, Lenawee, Macomb, Monroe, Oakland, St. Clair, Wayne	Belle, Black, and Clinton Rivers
Plants			
American hart's tongue fern (<i>Phyllitis scolopendrium var. americana</i>)	Threatened	Chippewa, Mackinac	Cool limestone sinkholes in mature hardwood forest
Dwarf lake iris (<i>Iris lacustris</i>)	Threatened	Alpena, Charlevoix, Cheboygan, Chippewa, Delta, Emmet, Mackinac, Menominee, Presque Isle, Schoolcraft	Partially shaded sandy-gravelly soils on lakeshores

Species	Status	Counties	Habitat
Eastern prairie fringed orchid (<i>Plantathera leucophaea</i>)	Threatened	Bay, Cheboygan, Clinton, Eaton, Genesee, Gratiot, Huron, Livingston, Monroe, Saginaw, St. Clair, St. Joseph, Tuscola, Washtenaw, Wayne	Mesic to wet prairies and meadows
Houghton's goldenrod (<i>Solidago houghtonii</i>)	Threatened	Charlevoix, Cheboygan, Chippewa, Crawford, Emmet, Kalkaska, Mackinac, Presque Isle, Schoolcraft	Sandy flats along Great Lakes shores
Lakeside daisy (<i>Hymenoxys herbacea</i>)	Threatened	Mackinac	Dry gravelly or sandy thin-soiled fields and alvars with dolomitic or limestone bedrock at or near the surface
Michigan monkey-flower (<i>Mimulus glabratus</i> var. <i>michiganensis</i>)	Endangered	Benzie, Charlevoix, Cheboygan, Emmet, Leelanau, Mackinac	Soils saturated with cold flowing spring water; found along seepages, streams and lakeshores
Pitcher's thistle (<i>Cirsium pitcheri</i>)	Threatened	Alcona, Alger, Allegan, Alpena, Antrim, Arenac, Benzie, Berrien, Charlevoix, Cheboygan, Chippewa, Delta, Emmet, Grand Traverse, Huron, Iosco, Leelanau, Mackinac, Manistee, Mason, Muskegon, Oceana, Ottawa, Presque Isle, Schoolcraft, Van Buren	Stabilized dunes and blowout areas
Small whorled pogonia (<i>Isotria medeoloides</i>)	Threatened	Berrien	Dry woodland; upland sites in mixed forests (second or third growth stage)

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