



U.S. Fish and Wildlife Service Endangered Species Updates

Joel Trick, USFWS



photo courtesy of James Harding, MSU



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Rusty patched bumble bee; courtesy of ©Christy Stewart

U.S. Fish and Wildlife Service

Main Programs

- Ecological Services
 - Endangered Species
 - Contaminants
 - Conservation Planning Assistance
- Migratory Birds
- Refuges
- Fisheries
- International Affairs – Law Enforcement

Our mission is to work with others to conserve, protect and enhance fish, wildlife and plants and their habitats for the continuing benefit of the American people.

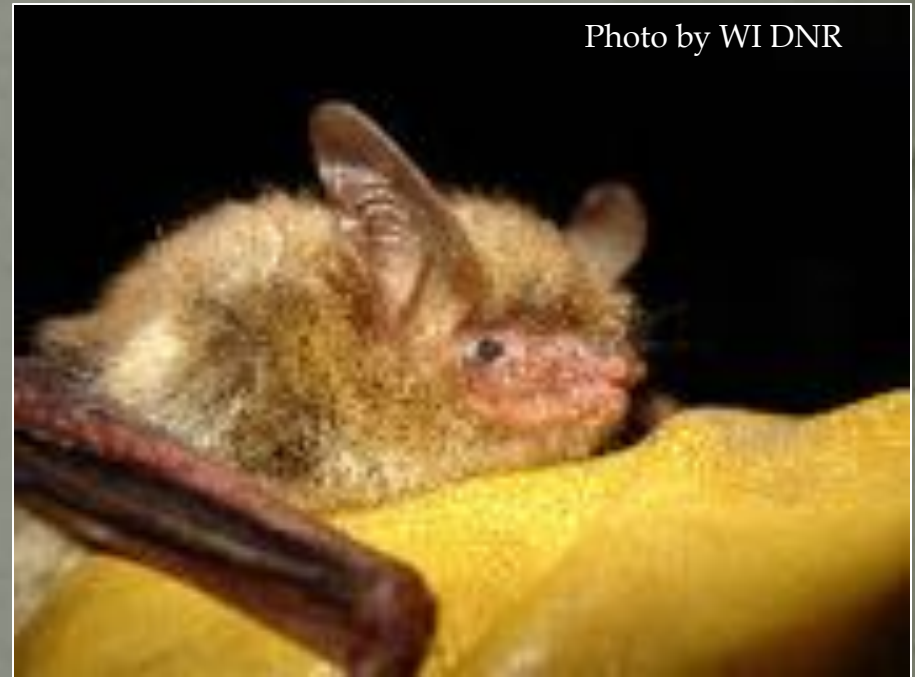
Endangered Species Act - 1973

- Gives joint authority to US Fish and Wildlife Service and National Marine Fisheries Service
- Allows for protections for all species
- Protects habitat as well as species
- www.fws.gov/endangered



Listing – Section 4 of the ESA

- How are species identified for possible designation as “endangered” or “threatened” under the ESA?
 - Internal Service Status Review
 - Petition process



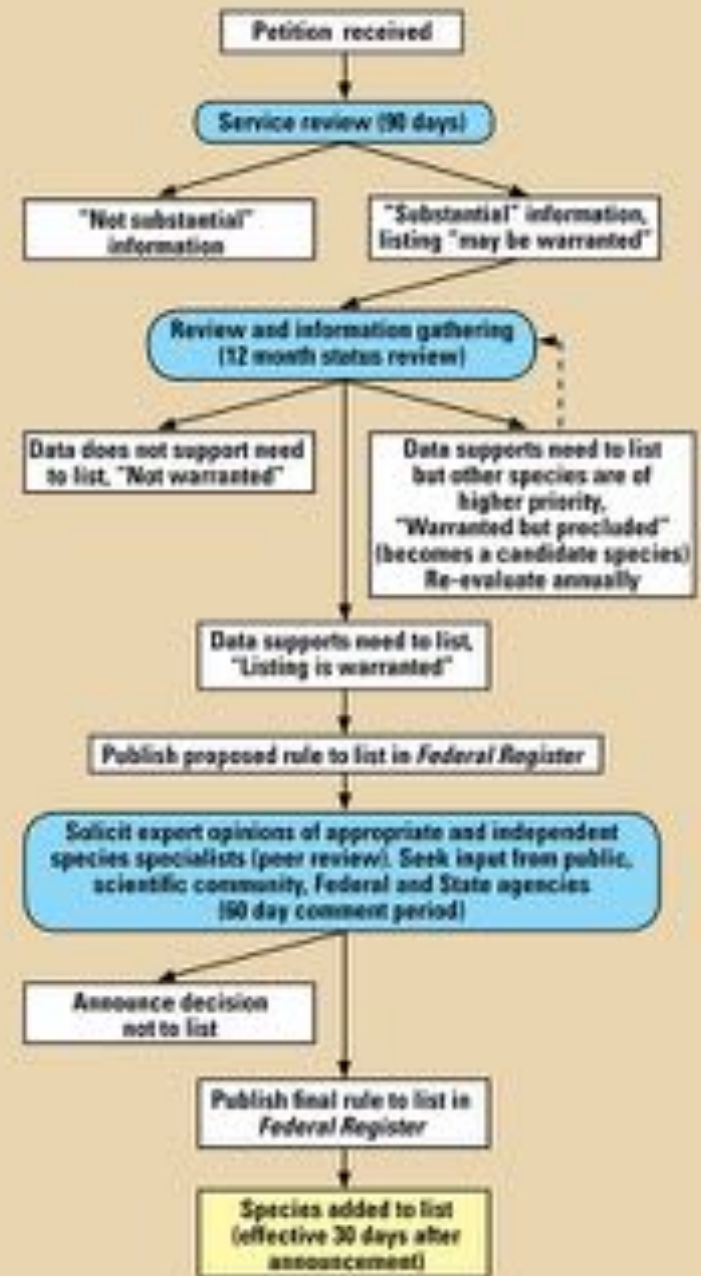
Listing -Service Status Review Process

- Internal studies and discussion with States, Universities, and other experts in the scientific community to assess species status
- Candidate species
- Priority system
- Candidate conservation



Listing - Petition Process

- Petitions
- 90 day finding
 - Substantial
 - Not substantial
- Status Review and 12 Month Finding
 - Warranted
 - Not warranted
 - Warranted but precluded = candidate



National Listing Workplan

- Plan for addressing Endangered Species Act listing and critical habitat decisions over the next seven years
- 30 Candidate species, 320 status reviews (12 month finding) for species petitioned for listing
- https://www.fws.gov/endangered/improving_esa/listing_workplan_prioritization_methodology.html

New Listings

- Eastern Massasauga Rattlesnake
 - Listed as threatened, October 2016
 - No Critical Habitat designated
 - Recovery Planning
 - Identify goals for delisting, SSA will inform Recovery Planning process
 - Chicago Field Office is the lead
- For more information on EMR:
<https://www.fws.gov/midwest/endangered/reptiles/eama/>



Photo courtesy of Joe Crowley; Ontario Nature



Photo courtesy of Joe Crowley; Ontario Nature

Resources

ENDANGERED
SPECIES

MIGRATORY BIRDS

Tier 1 Habitat –
known occupied

Tier 2 – high
potential for EMR

Outside of these
areas – EMR may
be present where
suitable habitat
exists

Eastern Massasauga (=rattlesnake)

*Sistrurus catenatus*

This species only needs to be considered if any of the following conditions apply:

- All Projects: Tier 1 EMR Habitat Present
- All Projects: Project is Within EMR Range

STATUS

Threatened: A species likely to become endangered within the foreseeable future throughout all or a significant portion of its range.

DESCRIPTION

Massasaugas are small snakes with thick bodies, heart-shaped heads and vertical pupils. The average length of an adult is about 2 feet. Adult massasaugas are gray or light brown with large, light-edged chocolate brown blotches on the back and smaller blotches on the sides. The snake's belly is marbled dark gray or black and there is a narrow, white stripe on its head. Its tail has several dark brown rings and is tipped by gray-yellow horny rattles. Young snakes have the same markings, but are more vividly colored. The head is a triangular shape and the pupils are vertical.

CRITICAL HABITAT

No critical habitat has been designated for this species.

SPECIES GUIDELINES

 [General project design guidelines](#)

For more information, visit the [ECOS species profile](#) 

**ONLY FOR
MICHIGAN**

New Listings

- Rusty Patched Bumble Bee
 - Listed as endangered
 - Final listing determination January 11, 2017
 - Listing became effective on March 21, 2017
 - Possibly extirpated in Michigan
 - <https://www.fws.gov/midwest/endangered/insects/rpbb/guidance.html#map>
 - Currently no ESA review required in Michigan
 - Scientific recovery permits are currently not necessary for survey work in Michigan
 - <https://www.bumblebeewatch.org/>

Photo courtesy of Rich
Hatfield/Xerces Society



Pending Proposed Listing Determinations

- Kirtland's warbler
 - Listed as endangered
 - Achieving recovery
 - 190,000 acres of public land set aside by MDNR, U.S. Forest Service, and the Service
 - 2015 record high of singing males of 2,365
- August 21, 2012, 5-Year Status Review recommended down-listing the species to threatened
- Service decision on down-listing expected in 2017



Status Reviews (SR)/ Species Status Assessments (SSA)

- Kirtland's snake
 - OH Field Office lead for completion of SSA
 - 12 Month Finding due in 2017
 - MI distribution
 - 19 documented occurrences in Berrien, Cass, Kalamazoo, Lenawee, Muskegon, Ottawa, Van Buren, and Washtenaw counties



photo courtesy of James Harding, MSU

SRs/ SSAs Continued

- Yellow banded bumble bee
 - 12 Month Finding due FY 2018
 - Historically occurred throughout MI
- Monarch butterfly
 - Region 3 lead for SR
 - 12 Month Finding due June 30, 2019
 - Distributed throughout Michigan
 - <https://www.fws.gov/savethemonarch/>



Jim Hudgins, USFWS

SRs/ SSAs Continued

- Mussels
 - Round Hickorynut and Purple Lilliput
 - Region 4 lead for SSAs
 - 12 Month Finding due FY 2018
 - MI Distribution
- Salamander
 - MIFO lead for SSA
 - 12 Month Finding due FY2023
 - MI Distribution



SRs/ SSAs Continued

- Hall's Bulrush
 - MO Field Office lead for SR
 - 12 Month Finding due FY 2019
 - MI Distribution
- Blanding's turtle
 - Rock Island Field Office lead for SR
 - 12 Month Finding due FY 2023
 - MI Distribution

photo courtesy of James Harding, MSU



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SRs/ SSAs Continued

- Northwestern Moose
 - Twin Cities Field Office lead for SR
 - July 9, 2015, petitioned to list as threatened or endangered distinct population segment
 - June 3, 2016, substantial 90 day finding published
 - 12 Month Finding due FY 2020
 - MI Distribution potentially in the UP



Project Review

- **Information, Planning, and Conservation System**

<http://ecos.fws.gov/ipac/>

- Project scoping, resource maps, regulatory review, and impact analysis

- **Midwest Region's section 7 consultation and technical assistance**

<http://www.fws.gov/midwest/endangered/section7/s7process/index.html>

- Provides you with a list of federally listed species that may occur in your county and walk you through the section 7 consultation process.



IPaC Information for Planning and Conservation

Powered by ECOS - the Environmental Conservation Online System

Welcome to the new IPaC!

• [Video: What's new in IPaC](#) - 10m

[See our FAQ](#)

IPaC is a project planning tool which streamlines the USFWS environmental review process


GET STARTED

LOG IN

Integrate the environmental review process into your project design

Quickly and easily identify USFWS managed resources and suggested conservation measures for your project.

Explore species and habitat

See if any listed species , critical habitat, migratory birds or other natural resources may be impacted by your project.

Using the map tool, explore other resources in your location, such as wetlands, wildlife refuges, GAP land cover, and other important biological resources.

Conduct a regulatory review

Log in and define a project to get an official species list and evaluate potential impacts on resources managed by the U.S. Fish and Wildlife Service.

Follow IPaC's Endangered Species Review process—a streamlined, step-by-step consultation process available in select areas for certain project types, agencies, and species.

Perform an impact analysis

For projects or species not covered by the step-by-step consultation process, get a list of potential impacts from your specified project activities to use when making effect determinations.

Receive conservation measures recommended by U.S. Fish and Wildlife Service biologists to avoid, minimize, or mitigate effects to listed species.

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