

Endangered, Threatened, and Rare (ETR) Species in the OKI Region

April 2015

Species that are Federally or State Listed (Endangered or Threatened) or of Concern*		Number of species in the OKI Region that have ...					Butler	Clermont	Hamilton	Warren	Boone	Campbell	Kenton	Dearborn
		Global Heritage Rank	Federal Status	Ohio Status**	Kentucky Status**	Indiana Status**								
Animal Species	104 total	33	38	86	61	53	13	32	45	23	36	37	36	12
Plant Species	57 total	5	1	46	16	27	11	22	17	11	6	5	2	10
Total Species	161 total	38	39	132	77	81	24	54	62	34	42	42	38	22
Mammals (3)														
American badger	<i>Taxidea taxus</i>	Concern		Concern		Concern								•
Eastern Spotted Skunk	<i>Spilogale putorius</i>					Concern						•		
Indiana Bat	<i>Myotis sodalis</i>	Imperiled	Endangered	Endangered	Endangered	Endangered	•	•	•		•		•	
Reptiles (5)														
Eastern Box Turtle	<i>Terrapene carolina</i>			Concern		Concern			•	•				•
Kirtland's Snake	<i>Clonophis kirtlandii</i>	Imperiled	Concern	Threatened	Threatened	Endangered	•	•	•	•		•	•	
Northern Rough / Rough Greensnake	<i>Opheodrys aestivus</i>			Concern		Concern		•	•					
Spotted Turtle	<i>Clemmys guttata</i>			Threatened		Endangered				•				
Timber Rattlesnake	<i>Crotalus horridus</i>			Endangered		Endangered								•
Birds (23)														
American Bittern	<i>Botaurus lentiginosus</i>			Endangered	Historic	Endangered			•					
Bachman's Sparrow	<i>Aimophila aestivalis</i>	Vulnerable	Concern	Extirpated	Endangered						•		•	
Bald eagle	<i>Haliaeetus leucocephalus</i>			Threatened	Threatened	Concern	•		•	•	•			
Bank Swallow	<i>Riparia riparia</i>				Concern						•	•		
Barn Owl	<i>Tyto alba</i>			Threatened	Concern	Endangered					•		•	•
Bewick's Wren	<i>Thryomanes bewickii</i>		Concern	Extirpated	Concern								•	
Black-crowned Night-heron	<i>Nycticorax nycticorax</i>			Threatened	Threatened	Endangered	•		•					•
Henslow's Sparrow	<i>Ammodramus henslowii</i>		Concern	Concern	Concern	Endangered					•			
Interior Least Tern	<i>Sterna antillarum athalassos</i>		Endangered		Threatened	Endangered								•
Lark Sparrow	<i>Chondestes</i>			Endangered	Threatened				•			•		
Least Bittern	<i>Ixobrychus exilis</i>			Threatened	Threatened	Endangered	•			•				
Loggerhead Shrike	<i>Lanius ludovicianus</i>		Concern	Endangered		Endangered			•	•				•
Northern Harrier	<i>Circus cyaneus</i>			Endangered	Threatened	Endangered		•						
Peregrine Falcon	<i>Falco peregrinus</i>		Concern	Threatened	Endangered	Concern	•	•	•		•	•	•	•
Prothonotary Warbler	<i>Protonotaria citrea</i>			Concern					•					
Savannah Sparrow	<i>Passerculus sandwichensis</i>				Concern						•			
Sedge Wren	<i>Cistothorus platensis</i>			Concern	Concern	Endangered			•					

Species that are Federally or State Listed (Endangered or Threatened) or of Concern*		Number of species in the OKI Region that have ...					Butler	Clermont	Hamilton	Warren	Boone	Campbell	Kenton	Dearborn
		Global Heritage Rank	Federal Status	Ohio Status**	Kentucky Status**	Indiana Status**								
Birds (continued)														
Sharp-shinned Hawk	<i>Accipiter striatus</i>			Concern	Concern	Concern			•					
Sora Rail	<i>Porzana carolina</i>			Concern			•		•					
Upland Sandpiper	<i>Bartramia longicauda</i>			Endangered	Historic	Endangered	•			•	•			
Vesper Sparrow	<i>Poocetes gramineus</i>				Endangered					•	•	•		
Virginia Rail	<i>Rallus limicola</i>			Concern		Endangered			•					
Yellow-crowned Night-heron	<i>Nyctanassa violacea</i>			Concern	Threatened	Endangered			•					
Amphibians (5)														
Cave Salamander	<i>Eurycea lucifuga</i>			Endangered			•		•					
Eastern Hellbender	<i>Cryptobranchus alleganiensis alleganiensis</i>	Vulnerable	Concern	Endangered	Endangered	Endangered					•	•	•	
Northern Leopard Frog	<i>Rana pipiens</i>				Concern	Concern					•		•	
Redback Salamander	<i>Plethodon cinereus</i>				Concern						•		•	
Streamside Salamander	<i>Ambystoma barbouri</i>					Concern								•
Fish (21)														
Alligator Gar	<i>Atractosteus spatula</i>	Vulnerable	Concern	Extirpated	Endangered						•	•	•	
Bigeye Shiner	<i>Notropis boops</i>			Threatened				•	•	•				
Black Buffalo	<i>Ictiobus niger</i>				Concern						•	•		
Blue Catfish	<i>Ictalurus furcatus</i>			Concern				•						
Blue Sucker	<i>Cycleptus elongates</i>	Critically imperiled	Concern	Threatened					•					
Burbot	<i>Lota lota</i>			Concern	Concern				•		•			
Channel Darter	<i>Percina copelandi</i>			Threatened		Endangered		•	•					
Diamond Darter	<i>Crystallaria cincotta</i>	Critically imperiled	Candidate Endangered		Extirpated						•			
Eastern Sand Darter	<i>Ammocrypta pellucida</i>			Concern					•					
Goldeye	<i>Hiodon alosoides</i>			Endangered				•		•				
Lake Sturgeon	<i>Acipenser fulvescens</i>	Vulnerable	Concern	Endangered	Endangered	Endangered			•			•	•	
Mountain Madtom	<i>Noturus eleutherus</i>			Threatened				•	•					
Northern Madtom	<i>Noturus stigmosus</i>	Critically imperiled		Endangered	Concern	Concern		•	•					
Paddlefish	<i>Polyodon spathula</i>		Concern	Threatened				•	•	•				
River Darter	<i>Percina shumardi</i>			Threatened					•					

Species that are Federally or State Listed (Endangered or Threatened) or of Concern*		Number of species in the OKI Region that have ...					Butler	Clermont	Hamilton	Warren	Boone	Campbell	Kenton	Dearborn
		Global Heritage Rank	Federal Status	Ohio Status**	Kentucky Status**	Indiana Status**								
Fish (continued)														
River Redhorse	<i>Moxostoma carinatum</i>			Concern			•	•	•					
Shortnose Gar	<i>Lepisosteus platostomus</i>			Endangered			•							
Spottail Shiner	<i>Notropis hudsonius</i>				Concern						•			
Trout-perch	<i>Percopsis omiscomaycus</i>		Concern		Concern	Concern					•			
Tonguetied Minnow	<i>Exoglossum laurae</i>			Threatened			•							
Variegate Darter	<i>Etheostoma variatum</i>					Endangered								•
Crustaceans (1)														
Sloan's Crayfish	<i>Orconectes sloanii</i>	Imperiled		Threatened			•		•	•				
Aquatic Snails (3)														
Furrowed Lioplax	<i>Lioplax sulculosa</i>				Concern						•	•	•	
Onyx Rocksnail	<i>Leptoxis praerosa</i>		Concern		Concern						•	•	•	
Varicose Rocksnail	<i>Lithasia verrucosa</i>				Concern						•			
Freshwater Mussels (38)														
Black Sandshell	<i>Ligumia recta</i>			Threatened				•						
Butterfly	<i>Ellipsaria lineolata</i>			Endangered			•	•						
Catspaw / Purple Cat's Paw	<i>Epioblasma obliquata obliquata</i>	Critically imperiled	Endangered	Endangered	Endangered	Extirpated					•	•	•	
Clubshell	<i>Pleurobema clava</i>	Critically Imperiled	Endangered	Endangered	Endangered	Endangered					•	•	•	
Cracking Pearlymussel	<i>Hemistena lata</i>	Critically imperiled	Endangered	Extirpated	Extirpated	Extirpated						•	•	
Creek Heelsplitter	<i>Lasmigona compressa</i>			Concern	Endangered							•	•	
Deertoe	<i>Truncilla truncata</i>			Concern			•	•	•					
Ebonyshell	<i>Fusconaia ebanus</i>			Endangered			•	•						
Elephant-ear	<i>Elliptio crassidens</i>			Endangered			•	•						
Elktoe	<i>Alasmidonta marginata</i>		Concern	Concern	Threatened		•	•	•			•	•	
Fanshell	<i>Cyprogenia stegaria</i>	Critically Imperiled	Endangered	Endangered	Endangered	Endangered					•	•	•	
Fawnsfoot	<i>Truncilla donaciformis</i>			Threatened			•	•	•					
Hickorynut	<i>Obovaria olivaria</i>			Extirpated				•						
Little Spectaclecase	<i>Villosa lienosa</i>			Endangered	Concern	Concern	•							•
Monkeyface	<i>Quadrula metanevra</i>			Endangered			•	•						
Northern Riffleshell	<i>Epioblasma torulosa rangiana</i>	Imperiled	Endangered	Endangered	Endangered	Endangered					•	•	•	

Species that are Federally or State Listed (Endangered or Threatened) or of Concern*		Number of species in the OKI Region that have ...					Butler	Clermont	Hamilton	Warren	Boone	Campbell	Kenton	Dearborn
		Global Heritage Rank	Federal Status	Ohio Status**	Kentucky Status**	Indiana Status**								
Freshwater Mussels (continued)														
Ohio Pigtoe	<i>Pleurobema cordatum</i>	Critically imperiled		Endangered		Concern		•	•					
Orangefoot/Orange-footed Pimpleback	<i>Plethobasus cooperianus</i>	Critically imperiled	Endangered	Extirpated	Endangered	Endangered					•	•	•	
Pink Mucket	<i>Lampsilis abrupta</i>	Imperiled	Endangered	Endangered	Endangered	Endangered					•	•	•	
Pocketbook	<i>Lampsilis ovata</i>				Endangered						•	•	•	
Purple Lilliput	<i>Toxolasma lividus</i>	Imperiled	Concern	Endangered	Endangered	Concern				•				
Purple Wartyback	<i>Cyclonaias tuberculata</i>			Concern			•	•						
Pyramid Pigtoe	<i>Pleurobema rubrum</i>	Imperiled	Concern	Endangered	Endangered	Endangered					•	•	•	
Rabbitsfoot	<i>Quadrula cylindrica cylindrica</i>	Vulnerable	Threatened	Endangered	Threatened	Endangered						•	•	
Rayed Bean	<i>Villosa fabalis</i>	Imperiled	Endangered	Endangered	Extirpated	Endangered	•		•		•	•	•	
Ring Pink	<i>Obovaria retusa</i>	Critically imperiled	Endangered	Extirpated	Endangered	Extirpated					•	•	•	
Rough Pigtoe	<i>Pleurobema plenum</i>	Critically imperiled	Endangered	Extirpated	Endangered	Endangered					•	•	•	
Round Pig-toe	<i>Pleurobema sintoxia</i>			Concern						•				
Salamander Mussel	<i>Simpsonaias ambigua</i>	Vulnerable	Concern	Concern	Threatened	Concern	•					•	•	
Scaleshell	<i>Leptodea leptodon</i>	Critically imperiled	Endangered	Extirpated	Extirpated	Extirpated					•	•	•	
Sheepnose	<i>Plethobasus cyphus</i>	Vulnerable	Endangered	Endangered	Endangered	Endangered	•	•			•	•	•	
Snuffbox	<i>Epioblasma triquetra</i>	Vulnerable	Endangered	Endangered	Endangered	Endangered	•	•	•			•	•	
Spectaclecase	<i>Cumberlandia</i>	Vulnerable	Endangered	Extirpated	Endangered	Extirpated					•	•	•	
Threehorn Wartyback	<i>Obliquaria reflexa</i>			Threatened			•	•	•					
Wartyback	<i>Quadrula nodulata</i>			Endangered			•	•						
Washboard	<i>Megaloniaias nervosa</i>			Endangered					•	•				
Wavy-rayed Lampmussel	<i>Lampsilis fasciola</i>			Concern		Concern	•							
Winged Mapleleaf	<i>Quadrula fragosa</i>	Critically imperiled	Endangered	Extirpated	Extirpated							•	•	
Insects (5)														
Blue Corporal (dragonfly)	<i>Ladona deplanata</i>			Endangered			•			•				
Cobblestone Tiger Beetle	<i>Cicindela marginipennis</i>	Imperiled	Concern	Threatened		Endangered			•					•
Northern Metalmark	<i>Calephelis borealis</i>	Vulnerable			Threatened						•	•		
Plains Clubtail (dragonfly)	<i>Gomphurus externus</i>			Endangered		Rare	•		•					
Six-banded Longhorn Beetle	<i>Dryobius sexnotatus</i>		Concern	Concern	Threatened	Threatened					•	•	•	

Species that are Federally or State Listed (Endangered or Threatened) or of Concern*	Number of species in the OKI Region that have ...					Butler	Clermont	Hamilton	Warren	Boone	Campbell	Kenton	Dearborn
	Global Heritage Rank	Federal Status	Ohio Status**	Kentucky Status**	Indiana Status**								
Vascular Plants (57)													
Blue False Indigo	<i>Baptista australis</i>			Endangered	Concern	Rare		•					
Brown Bog Sedge	<i>Carex buxbaumii</i>				Endangered				•				
Buckbean	<i>Menyanthes trifoliata</i>			Threatened		Watch list			•				
Buffalo Clover	<i>Trifolium reflexum</i>	Vulnerable		Endangered	Endangered	Endangered					•		
Burhead	<i>Echinodorus berteroi</i>			Concern	Threatened	Extirpated	•		•				
Butternut / White Walnut	<i>Juglans cinerea</i>	Vulnerable			Threatened	Watch list							•
Buttonweed	<i>Diodia virginiana</i>					Watch list							•
Canada Lily	<i>Lilium canadense</i>					Rare							•
Canada Milk-vetch	<i>Astragalus canadensis</i>			Threatened					•				
Carolina Willow	<i>Salix caroliniana</i>			Concern		Watch list	•	•	•	•			
Common Prickley Pear	<i>Opuntia humifusa / cespitosa</i>			Concern					•				
Dwarf Bulrush	<i>Lipocarpha micrantha</i>			Threatened				•					
Elliptic-leaved Arrowhead / Delta Arrowhead	<i>Sagittaria platyphylla</i>			Extirpated	Endangered		•						
Fern-leaved Scorpion-weed	<i>Phacelia bipinnatifida</i>			Concern			•	•					
Floating Pondweed	<i>Potamogeton natans</i>			Concern			•						
Gray Beardtongue	<i>Penstemon canescens</i>			Threatened		Endangered							•
Hairy/Shaggy False Gromwell	<i>Onosmodium hispidissimum</i>				Endangered	Endangered			•				
Inland rush	<i>Juncus interior</i>			Threatened					•				
Lake Cress	<i>Armoracia lacustris / aquatica</i>				Threatened	Endangered							•
Louisanna / Bottomland Broomrape	<i>Orobanche riparia</i>			Endangered		Endangered		•			•		
Low Spearwort / Pursh Buttercup	<i>Ranunculus pusillus</i>			Threatened		Endangered	•						
Matted Broomspurge	<i>Euphorbia serpens</i>			Endangered		Endangered							•
Maypop / Purple Passion-flower	<i>Passiflora incarnata</i>			Threatened		Rare		•					
Midland Sedge	<i>Carex mesochorea</i>			Threatened			•						
Missouri Gooseberry	<i>Ribes missouriense</i>			Threatened			•	•	•				
Nodding Rattlesnake-root	<i>Prenanthes crepidinea</i>				Concern	Watch list			•				
Pale Umbrella-sedge / Short-point Flatsedge	<i>Cyperus acuminatus</i>			Concern		Watch list	•	•					
Potato-dandelion	<i>Krigia dandelion</i>			Threatened			•						
Prairie Brome	<i>Bromus kalmii</i>			Concern			•						

Species that are Federally or State Listed (Endangered or Threatened) or of Concern*		Number of species in the OKI Region that have ...					Butler	Clermont	Hamilton	Warren	Boone	Campbell	Kenton	Dearborn
		Global Heritage Rank	Federal Status	Ohio Status**	Kentucky Status**	Indiana Status**								
Vascular Plants (continued)														
Prairie Wake-robin	<i>Trillium recurvatum</i>			Concern			•	•						
Primrose Willow	<i>Ludwigia decurrens</i>					Watch list							•	
Red Chokeberry	<i>Aronia arbutifolia</i>			Endangered			•							
Riverbank Paspalum	<i>Paspalum repens</i>			Threatened			•	•						
Running Buffalo Clover	<i>Trifolium stoloniferum</i>	Vulnerable	Endangered	Endangered	Threatened	Endangered	•	•		•	•	•	•	
Screw-stem / Twining Bartonia	<i>Bartonia paniculata</i>			Threatened		<i>Watch list</i>	•							
Side-oats Grama	<i>Bouteloua curtipendula</i>					Concern				•				
Small Fringed Gentian	<i>Gentianopsis procera</i>			Concern					•					
Smooth Buttonweed	<i>Spermacoce glabra</i>			Concern			•	•						
Snowy Campion	<i>Silene nivea</i>			Endangered			•	•						
Softleaf/Soft-leaved Arrow-wood	<i>Viburnum molle</i>			Threatened	<i>Concern</i>	Rare	•						•	
Southern Black-haw	<i>Viburnum rufidulum</i>			Concern			•	•						
Southern Dewberry	<i>Rubus trivialis</i>			Endangered			•							
Southern Hairy Rock Cress	<i>Arabis pycnocarpa var. adpressipilis</i>			Concern			•							
Southern Woodrush	<i>Luzula bulbosa</i>			Concern			•							
Sparse-lobed Grape Fern	<i>Botrychium biternatum</i>			Endangered		<i>Watch list</i>	•							
Spring Coral-root	<i>Corallorhiza wisteriana</i>			Concern			•	•	•					
Stemless Evening-primrose	<i>Oenothera triloba</i>				Threatened	<i>Extirpated</i>					•	•		
Sugarberry	<i>Celtis laevigata</i>			Endangered			•							
Tansy Mustard	<i>Descurainia pinnata</i>			Concern				•						
Three-birds Orchid	<i>Triphora trianthophora</i>			Concern				•	•					
Timid Sedge	<i>Carex timida</i>	Imperiled		Threatened		<i>Endangered</i>	•							
Virginia Mallow	<i>Sida hermaphrodita</i>	Vulnerable		Concern	Threatened	<i>Endangered</i>	•	•			•			
Virginia Saxifrage	<i>Saxifraga virginiana</i>					Watch list							•	
Waterplantain Spearwort	<i>Ranunculus ambigens</i>			<i>Extirpated</i>	Concern					•				
White Wand-lily / White Camas	<i>Zigadenus elegans</i>			Concern		Rare			•					
Wild Kidney Bean	<i>Phaseolus polystachios</i>			Concern					•					
Western Hairy Rock Cress	<i>Arabis pycnocarpa var. pycnocarpa</i>			Extirpated	<i>Historic</i>		•							

* Data is obtained from each state's Natural Heritage Database for which online sources are listed on the next page. State NHDs may also include State Rank (not reported here) and Global Heritage Rank (not available online for Ohio) that includes ranks of 1-Critically imperiled globally, 2-Imperiled globally and 3-Vulnerable/Rare and uncommon globally.

**Italics indicates state status of a species within the OKI Region but not in that state's portion of the region.

Federal Status (U.S. Fish and Wildlife Service)

- Endangered - Species in danger of extinction throughout all or a significant portion of its range
- Threatened - Species likely to become endangered within the foreseeable future throughout all or a significant portion of its range
- Concern - "Species of concern" receive no legal protection but are declining or appearing to be in need of concentrated conservation actions (will not necessarily be proposed for listing as a threatened or endangered species)

State Status

- Endangered - In danger of disappearing from the state
- Threatened - Continued or increased threat will result in species becoming endangered
- Concern - includes *Species of Concern* and *Species of Interest* and plants *Potentially Threatened* (Ohio), *Special Concern* (Kentucky), *Species of Special Concern* (Indiana)
- Extirpated - No valid records are known from the last 20 years (Ohio) or known or presumed to have disappeared from the state (Kentucky)
- Historic - "reported... but not seen for at least 20 years" (Kentucky)
- Rare (Indiana)
- Watch List (Indiana)

Data Sources for County Occurrence and Species Status

- Ohio Natural Heritage Database, *State-Listed Species by County*. Nov. 8, 2013. Ohio Dept. of Natural Resources, Div. of Wildlife.
<http://wildlife.ohiodnr.gov/species-and-habitats/state-listed-species/state-listed-species-by-county>
- Kentucky Natural Heritage Database, *County Report of Endangered, Threatened, and Special Concern Plants, Animals, and Natural Communities of Kentucky*. August 2014. Kentucky Energy and Environment Cabinet, Kentucky State Nature Preserves Commission.
http://naturepreserves.ky.gov/pubs/publications/KSNPC_countylist.pdf
- Indiana Natural Heritage Database, *Indiana County Endangered, Threatened and Rare Species List*. April 16, 2013. Indiana Dept. of Natural Resources, Div. of Nature Preserves, Heritage Data Center.
<https://secure.in.gov/dnr/naturepreserve/4666.htm> https://secure.in.gov/dnr/naturepreserve/files/np_dearborn.pdf

Additional Data Sources for Species Status (provide state status for species in the region but not in state portion of the region and provide a more current data source than the County reports for status of Ohio species and Indiana wildlife species)

- ODNR Div. of Wildlife. *State Listed Species*. April 2015.
<http://wildlife.ohiodnr.gov/species-and-habitats/state-listed-species>
pdf format: <http://wildlife.ohiodnr.gov/portals/wildlife/pdfs/publications/information/pub356.pdf>
- ODNR Div. of Natural Areas and Preserves. *2014-2015 Rare Native Ohio Plants Status List*. Dec. 15, 2014.
<http://naturepreserves.ohiodnr.gov/rareplants>
- Kentucky State Nature Preserves Commission. *Rare and Extirpated Biota and Natural Communities of Kentucky*. May 2012.
http://naturepreserves.ky.gov/pubs/publications/ksnpc_ets.pdf
- Indiana Div. of Fish and Wildlife. *Endangered and Special Concern Species*. October 2014.
http://www.in.gov/dnr/fishwild/files/fw-Endangered_Species_List.pdf
- Indiana Dept. of Natural Resources, Div. of Nature Preserves. *Endangered, Threatened, Rare and Extirpated Plants of Indiana*. April 25, 2013.
<https://secure.in.gov/dnr/naturepreserve/4725.htm> <http://www.in.gov/dnr/naturepreserve/files/np-etrplants042513.pdf>