

**THREATENED AND ENDANGERED SPECIES IN KENTUCKY**  
**(49 Species as of April 21, 2020)\***

\*Note: For a list of endangered, threatened, proposed, and candidate species that could potentially occur at a specific site in Kentucky, please visit the Service's Information for Planning and Conservation (IPaC) system located at: <https://ecos.fws.gov/ipac/>.

<b>Animals</b>			
<u>Mammals</u>			<u>Status</u>
	Gray bat	<i>Myotis grisescens</i>	<b>E</b>
^	Indiana bat	<i>Myotis sodalis</i>	<b>E</b>
	Northern long-eared bat	<i>Myotis septentrionalis</i>	<b>T</b>
	Virginia big-eared bat	<i>Corynorhinus townsendii virginianus</i>	<b>E</b>
 <u>Birds</u>			
	Rufa red knot (migrant only)	<i>Calidris canutus rufa</i>	<b>T</b>
	Piping plover (migrant only)	<i>Charadrius melodus</i>	<b>T</b>
*	Whooping crane (migrant only)	<i>Grus americana</i>	<b>XN</b>
	Least tern	<i>Sterna antillarum</i>	<b>E</b>
 <u>Fishes</u>			
^+	Diamond darter (CH only)	<i>Crystallaria cincotta</i>	<b>E</b>
	Relict darter	<i>Etheostoma chienense</i>	<b>E</b>
	Duskytail darter	<i>Etheostoma percnurum</i>	<b>E</b>
^	Kentucky arrow darter	<i>Etheostoma spilotum</i>	<b>T</b>
^	Cumberland darter	<i>Etheostoma susanae</i>	<b>E</b>
	Palezone shiner	<i>Notropis albizonatus</i>	<b>E</b>
	Blackside dace	<i>Chrosomus cumberlandensis</i>	<b>T</b>
	Pallid sturgeon	<i>Scaphirhynchus albus</i>	<b>E</b>
	Shovelnose sturgeon	<i>Scaphirhynchus platyrhynchus</i>	<b>T(S/A)</b>
 <u>Crustaceans</u>			
^	Big Sandy crayfish	<i>Cambarus callainus</i>	<b>T</b>
^	Kentucky cave shrimp	<i>Palaemonias ganteri</i>	<b>E</b>
 <u>Mussels<sup>1</sup></u>			
^	Cumberland elktoe	<i>Alasmidonta atropurpurea</i>	<b>E</b>
	Spectaclecase	<i>Cumberlandia monodonta</i>	<b>E</b>
	Fanshell	<i>Cyprogenia stegaria</i>	<b>E</b>
+	Dromedary pearlymussel	<i>Dromus dromas</i>	<b>E</b>
^	Cumberlandian combshell	<i>Epioblasma brevidens</i>	<b>E</b>
^	Oyster mussel	<i>Epioblasma capsaeformis</i>	<b>E</b>
	Tan riffleshell	<i>Epioblasma florentina walkeri</i>	<b>E</b>
	Purple catspaw (catspaw)	<i>Epioblasma obliquata obliquata</i>	<b>E</b>
	Northern riffleshell	<i>Epioblasma torulosa rangiana</i>	<b>E</b>
	Snuffbox	<i>Epioblasma triquetra</i>	<b>E</b>
+	Cracking pearlymussel	<i>Hemistena lata</i>	<b>E</b>
	Pink mucket	<i>Lampsilis abrupta</i>	<b>E</b>

Mussels<sup>1</sup> – Continued

+ Scaleshell	<i>Leptodea leptodon</i>	E
Ring pink	<i>Obovaria retusa</i>	E
Littlewing pearlymussel	<i>Pegias fabula</i>	E
+ White wartyback	<i>Plethobasus cicatricosus</i>	E
Orangefoot pimpleback	<i>Plethobasus cooperianus</i>	E
Sheepnose	<i>Plethobasus cyphus</i>	E
Clubshell	<i>Pleurobema clava</i>	E
Rough pigtoe	<i>Pleurobema plenum</i>	E
+ Slabside pearlymussel	<i>Pleuonaia dolabelloides</i>	E
Fat pocketbook	<i>Potamilus capax</i>	E
^Fluted kidneyshell	<i>Ptychobranhus subtentum</i>	E
^Rabbitsfoot	<i>Quadrula c. cylindrica</i>	T
+Winged mapleleaf	<i>Quadrula fragosa</i>	E
Cumberland bean	<i>Villosa trabilis</i>	E

Insects

Rusty patched bumblebee	<i>Bombus affinis</i>	T
+ American burying beetle	<i>Nicrophorus americanus</i>	E

**Plants**

Price's potato-bean	<i>Apios priceana</i>	T
^ Braun's rockcress	<i>Arabis perstellata</i>	E
Cumberland sandwort	<i>Arenaria cumberlandensis</i>	E
Cumberland rosemary	<i>Conradina verticillata</i>	T
^ Kentucky glade cress	<i>Leavenworthia exigua</i> var. <i>laciniata</i>	T
White fringeless orchid	<i>Platanthera integrilabia</i>	T
^ Short's bladderpod	<i>Physaria globosa</i>	E
+ American chaffseed	<i>Schwalbea americana</i>	E
Virginia spiraea	<i>Spiraea virginiana</i>	T
# White-haired goldenrod	<i>Solidago albopilosa</i>	D
Short's goldenrod	<i>Solidago shortii</i>	E
Running buffalo clover	<i>Trifolium stoloniferum</i>	E

<sup>1</sup> The Office of Kentucky Nature Preserves (<http://www.naturepreserves.ky.gov/>) includes three additional mussel species on their official list for Kentucky (see below). These species have been removed from our list because we consider them to be likely extirpated from the state. The first two species, tubercled blossom and yellow blossom, have not been observed in Kentucky or elsewhere since the 1950s/60s. White Catspaw is currently known only from the St. Joseph River in Indiana and Ohio.

Tubercled blossom	<i>Epioblasma torulosa torulosa</i>	E
Yellow blossom	<i>Epioblasma florentina florentina</i>	E
White Catspaw	<i>Epioblasma obliquata perobliqua</i>	E

^ Species for which Critical Habitat has been designated in Kentucky

Indiana bat – Bat Cave, Carter County and Coach Cave, Edmonson County (41 FR 41914-41916, September 24, 1976).

Diamond darter – Green River, 95-mile reach in Green, Hart, and Edmonson counties (78 FR 52363-52387, September 22, 2013). This CH unit is considered to unoccupied.

Kentucky arrow darter – 38 units in Breathitt, Clay, Harlan, Jackson, Knott, Lee, Leslie, Owsley, Perry, and Wolfe (upper Kentucky River Basin). All units are considered occupied (81 FR 69312-69363, October 5, 2016).

Cumberland darter – Bunches Creek, Calf Pen Fork, Capuchin Creek, Jellico Creek, Wolf Creek, and Youngs Creek – Whitley County; Barren Fork, Capuchin Creek, Cogur Fork, Elisha Branch, Indian Creek, Jellico Creek, Jenneys Branch, Kilburn Fork, Laurel Creek, Laurel Fork, and Rock Creek – McCreary County (77 FR 63603-63668, October 16, 2012).

Big Sandy crayfish – proposed CH rule published January 28, 2020 (85 FR 5072-5122).

Kentucky cave shrimp – Roaring River Passage, Mammoth Cave National Park (48 FR 46337-46342, October 12, 1983).

Cumberland elktoe – Big South Fork, Marsh Creek, and Rock Creek - McCreary County; Sinking Creek, Laurel County; Laurel Fork, Whitley County (69 FR 53136-53180, August 31, 2004).

Cumberlandian combshell - Big South Fork, McCreary County; Buck Creek, Pulaski County (69 FR 53136-53180, August 31, 2004).

Oyster mussel - Big South Fork, McCreary County; Buck Creek, Pulaski County (69 FR 53136-53180, August 31, 2004).

Rabbitsfoot – Tennessee River, Ohio River, Green River, and Red River (all proposed – 77 FR 63439-63536).

Fluted kidneyshell - Horse Lick Creek, Middle Fork Rockcastle River, Rockcastle River (unoccupied), Buck Creek, Rock Creek, Little South Fork Cumberland River, and Big South Fork Cumberland River (77 FR 60803-60882).

Braun's rockcress - 14 units in Franklin County and 3 in Owen County (69 FR 31460-31496, June 3, 2004).

Kentucky glade cress – 6 units (18 subunits) in Bullitt and Jefferson counties (79 FR 25689-25707, May 6, 2014).

Short's bladderpod – 6 units in Clark, Fayette, and Woodford counties (79 FR 50990-51039, August 26, 2014).

\* Species designated as non-essential experimental population in Kentucky

+ Federally listed species that is possibly extirpated from Kentucky (species has not been observed in Kentucky for over 20 years; however, habitat for the species is present and exhaustive searches to document its status are incomplete). These species were not included (counted) in our total of Threatened and Endangered species listed above. We consider the American burying beetle to be extirpated from Kentucky, but we maintain it on this list to inform the public of its historical occurrence (last observed in the early 1970s). We also consider the diamond darter to be extirpated from Kentucky, but we maintain it on this list because critical habitat (unoccupied) has been designated for it in Kentucky (Green River).

# White-haired goldenrod was delisted on October 11, 2016 (81 FR 70043-70059).

Species listing status: D, Delisted; E, Endangered; T, Threatened; XN, Experimental Population; S/A, Similarity of Appearance



### Amphibians

- \* Streamside salamander *Ambyostoma barbouri*
- \* Hellbender *Cryptobranchus alleganiensis*

### Fishes

- \* Northern cavefish *Amblyopsis spelaea*
- \* Smallscale darter *Etheostoma microlepidum*
- \* Popeye shiner *Notropis ariommus*

### Mussels/Snails

- \* Longsolid *Fusconaia subrotundra*
- \* Cumberland moccasinshell *Medionidus conradicus*
- \* Round hickorynut *Obovaria subrotundra*
- \* Tennessee clubshell *Pleurobema oviforme*
- \* Pink (=Pyramid) pigtoe *Pleurobema rubrum*
- \* Shortspire hornsnail *Pleurocera curta*
- \* Domed anyclid *Rhodacme elatior*
- \* Salamander mussel *Simpsonaias ambigua*
- \* Kentucky creekshell *Villosa ortmanni*

### Crustaceans

- \* Spiny scale crayfish *Cambarus jezerinaci*

### Insects

- \* Virginia stone *Acroneuria kosztarabi*
- \* Karst snowfly *Allocaupnia cunninghami*
- \* Linda's roadside-skipper *Amblyscirtes linda*
- Monarch butterfly *Danaus plexipus plexipus*
- Regal fritillary *Speyeria idalia*

### **Plants**

- \* Rockcastle wood aster *Eurybia saxicastellii*
- \* Large-flowered Barbara's-buttons *Marshallia grandiflora*
- \* Hall's bulrush *Schoenoplectus hallii*
- \* Water stitchwort *Stellaria fontinalis*

**Petitioned Species** – Species for which the Service has received a formal petition from the public to list it as endangered or threatened under the ESA. Once the petition is received, the Service must make a finding within 90 days as to whether or not there is “substantial information” indicating that the petitioned listing *may be* warranted. If the petition is “substantial”, the Service has one year to complete a status review and make a further finding (12-month finding) that the listing either *is* or *is not* warranted. The above list contains 22 species that were included in a 2010 petition from the Center for Biological Diversity (marked by an asterisk, “\*”) and 5 additional species that were part of other petitions (unmarked). The Service has made “substantial” (90-day) findings for all of these species.

On September 1, 2016, the Service announced its **National Listing Workplan**, which includes a schedule for addressing ESA listing and critical habitat decisions over the next 7 years. Listed below are those Kentucky species included in the 7-year plan. Species in **bold font** are those for which the Kentucky Field Office has lead responsibility for conducting the status assessment.

---

FY18

Hellbender

**Redlips darter\***

Longsolid

Yellow-banded bumblebee

Tippecanoe darter

FY19

Hall's bulrush

Monarch butterfly

Rattlesnake-master borer moth

Round hickorynut

Cobblestone tiger beetle

Longhead darter

FY20

Alligator snapping turtle

Pink (= Pyramid) pigtoe

FY21

Cumberland moccasinshell

Tennessee clubshell

Virginia stone (stonefly)

FY22

**Northern cavefish**

**Popeye shiner**

Spiny scale crayfish

Regal fritillary (butterfly)

FY23

Golden-winged warbler

Little brown bat\*

Smallscale darter

**Streamside salamander**

Salamander mussel

Frosted elfin butterfly\*

Water stitchwort

FY24

**Kentucky creekshell**

---

\*Species not petitioned but discretionary status assessment scheduled under the Service's National Listing Workplan

Recently petitioned Kentucky species for which the Service has reached a *not warranted* listing decision under the ESA (12-Month Finding) or the species petition was withdrawn.

**Animals**

**Mammals**

Eastern small-footed bat

*Myotis leibii*

**Reptiles**

\* Kirtland's Snake

*Clonophis kirtlandii*

**Amphibians**

Green salamander

*Aneides aeneus*

**Fishes**

Alewife

*Alosa pseudoharengus*

\* American eel

*Anquilla rostrata*

# Redlips darter

*Etheostoma maydeni*

\* Shawnee darter

*Etheostoma tecumsehi*

\* Tippecanoe darter

*Etheostoma tippecanoe*

\* Longhead darter

*Percina macrocephala*

\* Blackfin sucker

*Thoburnia atripinnis*

**Snails**

Knobby rocksnail

*Lithasia curta*

**Crustaceans**

\* Big South Fork crayfish

*Cambarus bouchardi*

\* Appalachian cave crayfish

*Orconectes packardi*

**Insects**

Yellow-banded bumblebee

*Bombus terricola*

\* Cobblestone tiger beetle

*Cincindela marginipennis*

\* Appalachian snaketail

*Ophiogomphus incurvatus*

\* Ozark emerald

*Somatochlora ozarkensis*

**Plants**

\* Lea's Bog lichen

*Phaeophyscia leana*

\* Gorge leafy liverwort

*Plagiochila caduciloba*

\* Species included in a 2010 listing petition from the Center for Biological Diversity

# Species not petitioned but discretionary status assessment completed under the Service's National Listing Workplan