

**THREATENED AND ENDANGERED SPECIES IN KENTUCKY**  
**(53 Species as of March 25, 2016)**

<b>Animals</b>		<b><u>Status</u></b>
<b><u>Mammals</u></b>		
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>
<b><u>Birds</u></b>		
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>
<b><u>Fishes</u></b>		
^+ 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>
^ 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>
<b><u>Crustaceans</u></b>		
^ Kentucky cave shrimp	<i>Palaemonias ganteri</i>	<b>E</b>
<b><u>Mussels<sup>1</sup></u></b>		
^ 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 pearl mussel	<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>
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 pearl mussel	<i>Hemistena lata</i>	<b>E</b>
Pink mucket	<i>Lampsilis abrupta</i>	<b>E</b>
+ Scaleshell	<i>Leptodea leptodon</i>	<b>E</b>
Ring pink	<i>Obovaria retusa</i>	<b>E</b>
Littlewing pearl mussel	<i>Pegias fabula</i>	<b>E</b>
+ White wartyback	<i>Plethobasus cicatricosus</i>	<b>E</b>
Orangefoot pimpleback	<i>Plethobasus cooperianus</i>	<b>E</b>
Sheepnose	<i>Plethobasus cyphus</i>	<b>E</b>
Clubshell	<i>Pleurobema clava</i>	<b>E</b>

## Mussels<sup>1</sup> – Continued

Rough pigtoe	<i>Pleurobema plenum</i>	<b>E</b>
+ Slabside pearlymussel	<i>Pleuronaia dolabelloides</i>	<b>E</b>
Fat pocketbook	<i>Potamilus capax</i>	<b>E</b>
^ Fluted kidneyshell	<i>Ptychobranhus subtentum</i>	<b>E</b>
^ Rabbitsfoot	<i>Quadrula c. cylindrica</i>	<b>T</b>
+ Winged mapleleaf	<i>Quadrula fragosa</i>	<b>E</b>
Cumberland bean	<i>Villosa trabilis</i>	<b>E</b>

## Insects

+ American burying beetle	<i>Nicrophorus americanus</i>	<b>E</b>
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## **Plants**

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

<sup>1</sup> The Kentucky State Nature Preserves Commission (<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>	<b>E</b>
Yellow blossom	<i>Epioblasma florentina florentina</i>	<b>E</b>
White Catspaw	<i>Epioblasma obliquata perobliqua</i>	<b>E</b>

^ 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.

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).

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). 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 proposed for delisting on September 1, 2015 (80 FR 52717-52732). The Service will be accepting comments on the proposed delisting action until November 2, 2015.

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

## **SPECIES PROPOSED FOR FEDERAL LISTING IN KENTUCKY (3 Species as of March 25, 2016)\***

### **Animals**

#### Fishes

Kentucky arrow darter

*Etheostoma spilotum*

#### Crustaceans

Big Sandy crayfish

*Cambarus callainus*

### **Plants**

White fringeless orchid

*Platanthera integrilabia*

**\*Proposed species** = any species of fish, wildlife, or plant that is proposed in the *Federal Register* (FR) to be listed under section 4 of the Endangered Species Act (ESA). A proposed rule to list the Big Sandy crayfish as Endangered was published in the Federal Register on April 7, 2015 (80 FR 18709-18739). A proposed rule to list the white fringeless orchid as Threatened was published in the *Federal Register* on September 15, 2015 (80 FR 55304-55321). A proposed rule to list the Kentucky arrow darter as Threatened was published in the Federal Register on October 8, 2015 (80 FR 60961-60988).

**CANDIDATES FOR FEDERAL LISTING IN KENTUCKY  
(5 Species as of March 25, 2016)**

**Animals**

Insects

Clifton cave beetle	<i>Pseudanophthalmus caecus</i>
Icebox cave beetle	<i>Pseudanophthalmus frigidus</i>
Tatum cave beetle	<i>Pseudanophthalmus parvus</i>
Louisville cave beetle	<i>Pseudanophthalmus troglodytes</i>
Rattlesnake-Master Borer Moth	<i>Papaipema eryngii</i>

**Candidate Species** – plant and animal taxa considered for possible addition to the federal list of Endangered and Threatened species. These are taxa for which the Fish and Wildlife Service (Service) has on file sufficient information on biological vulnerability and threat(s) to support issuance of a proposal to list, but issuance of a proposed rule is currently precluded by higher priority listing actions (61 FR 7596-7613). The most recent Candidate Notice of Review was published in the Federal Register on December 5, 2014 (79 FR 72450-72497).

Candidate species have no protection under the ESA, but are listed above for early project planning consideration. Candidate species could be proposed or listed during the project planning period and would then be covered under Section 7 of the ESA. The Service advises an evaluation of potential effects on candidate species that may occur in a particular project area.

**PETITIONED SPECIES IN KENTUCKY**  
**(40 Species as of March 25, 2016)**

**Animals**

Birds

Golden-winged warbler

*Vermivora chrysoptera*

Reptiles

\* Kirtland's Snake

*Clonophis kirtlandii*

Alligator snapping turtle

*Macrochelys temminickii*

Amphibians

Green salamander

*Aneides aeneus*

\* Streamside salamander

*Ambystoma barbouri*

\* Hellbender

*Cryptobranchus alleganiensis*

Fishes

Alabama shad

*Alosa alabamae*

Alewife

*Alosa pseudoharengus*

\* Northern cavefish

*Amblyopsis spelaea*

\* Ashy darter

*Etheostoma cinereum*

\* Smallscale darter

*Etheostoma microlepidum*

\* Tippecanoe darter

*Etheostoma tippecanoe*

\* Popeye shiner

*Notropis ariommus*

\* Longhead darter

*Percina macrocephala*

\* Blackfin sucker

*Thoburnia atripinnis*

Mussels/Snails

\* Longsolid

*Fusconaia subrotundra*

\* Knobby rocksnail

*Lithasia curta*

\* Cumberland moccasinshell

*Medionidus conradicus*

\* Round hickorynut

*Obovaria subrotundra*

\* Tennessee clubshell

*Pleurobema oviforme*

\* Pyramid pigtoe

*Pleurobema rubrum*

\* Shortspire hornsnail

*Pleurocera curta*

\* Domed ancyliid

*Rhodacme elatior*

\* Salamander mussel

*Simpsonaias ambigua*

\* Kentucky creekshell

*Villosa ortmanni*

Crustaceans

\* Big South Fork crayfish

*Cambarus bouchardi*

\* Spiny Scale crayfish

*Cambarus jezerinaci*

\* Appalachian cave crayfish

*Orconectes packardi*

### Insects

- |                            |                                |
|----------------------------|--------------------------------|
| * Virginia stone           | <i>Acroneuria kosztarabi</i>   |
| * Karst snowfly            | <i>Allocaonia cunninghami</i>  |
| * Linda's roadside-skipper | <i>Amblyscirtes linda</i>      |
| Rusty-patched bumblebee    | <i>Bombus affinis</i>          |
| * Appalachian snaketail    | <i>Ophiogomphus incurvatus</i> |
| Regal fritillary           | <i>Speyeria idalia</i>         |

### **Plants**

- |                                    |                               |
|------------------------------------|-------------------------------|
| * Rockcastle wood aster            | <i>Eurybia saxicastellii</i>  |
| * Large-flowered Barbara's-buttons | <i>Marshallia grandiflora</i> |
| * Lea's Bog lichen                 | <i>Phaeophyscia leana</i>     |
| * Gorge leafy liverwort            | <i>Plagiochila caduciloba</i> |
| * Hall's bulrush                   | <i>Schoenoplectus hallii</i>  |
| * Water stitchwort                 | <i>Stellaria fontinalis</i>   |

**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 32 species that were included in a 2010 petition from the Center for Biological Diversity (marked by an asterisk, “\*”) and 8 additional species that were part of other petitions (unmarked). The Service has made “substantial” (90-day) findings for all species except the rusty-patched bumble bee and regal fritillary.