



**KENTUCKY DEPARTMENT OF FISH & WILDLIFE RESOURCES
TOURISM, ARTS AND HERITAGE CABINET**

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Dr. Jonathan W. Gassett
Commissioner

April 20, 2010

Public Comments Processing
ATTN: Docket No. FWS-R9-FHC-2008-0015
Division of Policy and Directives Management
U.S. Fish and Wildlife Service
4401 N. Fairfax Drive, Suite 222
Arlington, VA 22203

RECEIVED
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Div. of Policy & Dir. Mgt.

To Whom It May Concern:

RE: Injurious Wildlife Species; Listing the Boa Constrictor, Four Python Species, and Four Anaconda Species as Injurious Reptiles

The Kentucky Department of Fish and Wildlife Resources (KDFWR) is not providing comment in support or opposition of the proposed ruling to list nine constrictor species as injurious wildlife. However, the KDFWR does wish to provide response and supporting information for the following questions the U.S. Fish and Wildlife Service has asked in the federal register listing as they apply to the Commonwealth of Kentucky.

(1) What regulations does your State have pertaining to the use, transport, or production of any of the nine constrictor snakes?

301 Kentucky Administrative Regulation (KAR) 2:082. Transportation and holding of exotic wildlife. Mandates that a transportation permit must be approved and issued by the KDFWR to all persons wishing to receive a shipment of wildlife, import wildlife for their own use or possession, or transport wildlife into and through the state to a destination outside Kentucky. This administrative regulation applies to the nine constrictor snakes referenced above.

What are relevant Federal, State, or local rules that may duplicate, overlap, or conflict with the proposed rule?



The proposed rule would conflict with 301 KAR 2:082. Transportation and holding of exotic wildlife. The regulation in its entirety is included in this packet. Specifically, "Section 5" of this administrative regulation currently reads:

Section 5. Transportation Permits and Certificate of Veterinary Inspection.

(1) Prior to entry into Kentucky, an annual or individual transportation permit as established in 301 KAR 2:081 shall be obtained for all shipments of wildlife. A person shall be responsible for applying for a transportation permit before the person:

- (a) Receives a shipment of wildlife;
- (b) Imports wildlife for their own use or possession; or
- (c) Transports wildlife into and through the state to a destination outside Kentucky;

(2) A copy of a valid transportation permit shall accompany all shipments of wildlife into Kentucky.

(a) An individual transportation permit shall be valid for one (1) shipment of wildlife and shall also permit possession of the wildlife for the designated time period.

(b) An annual transportation permit shall be valid for multiple wildlife shipments for one (1) year from the date of issue and shall also permit possession of the wildlife for the designated time period.

(c) An annual transportation permit holder shall:

1. Notify the department in writing of any changes or additions subsequent to the original application so that an amended permit may be issued prior to subsequent wildlife importation; and

2. Notify the wildlife division by telephone at 502-564-3400 or 800-858-1549 Monday through Friday between 8 a.m. and 4:30 p.m. at least forty-eight (48) hours prior to each shipment of wildlife of with:

- a. The date of expected shipment;
- b. The source of the shipment;
- c. The species being shipped;
- d. The number of individuals of each species; and
- e. The period of time when the wildlife will be inside the state of Kentucky.

(3) All shipments of wildlife, except for fish, amphibians, and reptiles, shall be accompanied by a certificate of veterinary inspection stating that the wildlife is free from symptoms of disease. A federal quarantine certificate may be substituted for the certificate of veterinary inspection.

If the federal rule is approved, the KDFWR would amend the existing state regulation(s) to reflect the newly imposed federal restrictions.

(2) How many of the nine constrictor snakes species are currently in production for wholesale or retail sale, and in how many and which States?



Those data are unknown for Kentucky. While a transportation permit is required for the importation or transportation of constrictor snakes into and through Kentucky, owners are not required to obtain a permit from the KDFWR for possession.

(3) How many businesses sell one or more of the nine constrictor snake species?

Information not available for Kentucky.

(4) How many businesses breed one or more of the nine constrictor snake species?

Information not available for Kentucky.

(5) What are the annual sales for each of the nine constrictor snake species?

Information not available for Kentucky.

(6) How many, if any, of the nine constrictor snake species are permitted within each State?

Information not available as possession of these snakes in Kentucky is not permitted.

(7) What would it cost to eradicate individuals or populations of the nine constrictor snakes, or similar species, if found?

Information not available as Kentucky has no established populations of the nine constrictor snakes, or similar species and therefore has not undertaken efforts to eradicate.

What methods are effective?

Information not available as Kentucky has not evaluated methods of eradication for the nine constrictor snakes, or similar species.

(8) What are the costs of implementing propagation, recovery, and restoration programs for native species that are affected by the nine constrictor snake species, or similar species?

None of the nine constrictor snakes, or similar species, is established in Kentucky. Therefore, no native species have been impacted and costs have not been incurred for implementation of propagation, recovery, and restoration programs for affected native species.

(9) What State threatened or endangered species would be impacted by the introduction of any of the nine constrictor snake species?



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None of the nine constrictor snake species are established in Kentucky. Therefore it is unknown what State threatened or endangered species would be impacted. A listing of all Kentucky State threatened and endangered species is included in this packet.

(10) What species have been impacted, and how, by any of the nine constrictor snake species?

None of the nine constrictor snake species are established in Kentucky. Therefore, no native species have been impacted.

(11) What provisions in the proposed rule should the Service consider with regard to: (a) The impact of the provision(s) (including any benefits and costs), if any, and (b) what alternatives, if any, the Service should consider, as well as the costs and benefits of those alternatives, paying specific attention to the effect of the rule on small entities?

No comment.

(12) How could the proposed rule be modified to reduce any costs or burdens for small entities consistent with the Service's requirements?

No comment.

(13) Why we should or should not include hybrids of the nine constrictor species analyzed in this rule, and if the hybrids possess the same biological characteristics as the parent species.

Hybrid progeny of any species, if viable, will possess a combination of the parenting species biological characteristics; and these offspring may be more or less injurious than their parenting species. Evaluation of the likelihood of injuriousness for every possible hybrid cross for the nine constrictor species is impractical. Furthermore, accurate identification of hybrids and their parentage may not always be possible. Should the proposed rule become law, the inclusion of hybrids is essential to ensure the law's intent is upheld and to provide for effective law enforcement.

Sincerely,



Chad Soard
Wildlife Biologist / Captive Wildlife

Enclosures



301 KAR 2:082. Transportation and holding of exotic wildlife.

RELATES TO: KRS 150.010, 150.015, 150.305, 150.320, 150.330, 150.990

STATUTORY AUTHORITY: KRS, 150.025, 150.180, 150.280

NECESSITY, FUNCTION, AND CONFORMITY: KRS 150.025 authorizes the department to regulate the buying, selling, or transporting of wildlife. KRS 150.180 requires a person transporting live wildlife into Kentucky to obtain a permit from the department. KRS 150.280 authorizes the department to promulgate administrative regulations establishing procedures for the holding of protected wildlife. This administrative regulation establishes the procedure for obtaining a transportation permit for exotic wildlife, prohibits the importation and possession of exotic species with the potential to damage native ecosystems, and places restrictions on importing, transporting, and holding species that are potentially dangerous to human health and safety. EO 2008-516, effective June 16, 2008, reorganizes and renames the Commerce Cabinet as the Tourism, Arts, and Heritage Cabinet.

Section 1. Definitions. (1) "Exotic wildlife" means terrestrial wildlife species which have never naturally existed in the wild in Kentucky including starling (*Sturnus vulgaris*), English or house sparrow (*Passer domesticus*), and Eurasian collared dove (*Streptopelia decaocto*).

(2) "Circus" means a traveling public entertainment show consisting of acrobats, clowns, and trained animals.

(3) "Permit" means an individual or annual transportation permit issued by the department.

Section 2. Exemptions. Transportation permits and captive wildlife permits shall not be required for the importation or possession of exotic wildlife and federally threatened or endangered species listed in this administrative regulation by facilities that are accredited by the American Zoo and Aquarium Association.

Section 3. Prohibited Species. (1) Except as specified in Section 2 of this administrative regulation and subsection (3) of this section, a person shall not import or transport through Kentucky or possess in Kentucky the following:

- (a) Baya weaver (*Ploceus philippinus*);
- (b) Blackbirds (Genus *Agelaius*), except native species;
- (c) Cape sparrow (*Passer melanurus*);
- (d) Cowbirds (Genus *Molothrus*), except native species;
- (e) Cuckoo (Family *Cuculidae*), except native species;
- (f) Dioc or red-billed quelea (*Quelea quelea*);
- (g) European blackbird (*Turdus merula*);
- (h) Fieldfare (*Turdus pilaris*);
- (i) Flying fox or fruit bat (Genus *Pteropus*);
- (j) Gambian giant pouched rat (*Cricetomys gambianus*);
- (k) Giant, marine, or cane toad (*Bufo marinus*);
- (l) Hawaiian rice bird or spotted munia (*Lonchura punctulata*);
- (m) Jack rabbit (Genus *Lepus*);
- (n) Java sparrow (*Padda oryzivora*);
- (o) Madagascar weaver (*Foudia madagascariensis*);
- (p) Mistle thrush (*Turdus viscivorus*);
- (q) Monk or Quaker parakeet (*Myiopsitta monachus*);
- (r) Multimammate rat (Subgenus *Mastomys*);
- (s) Mute swan (*Cygnus olor*);
- (t) Nutria (*Myocastor coypus*);
- (u) Prairie dog (*Cynomys* spp.);
- (v) Raccoon dog (*Nyctereutes procyonoides*);
- (w) San Juan rabbit (*Oryctolagus cuniculus*);
- (x) Sky lark (*Alauda arvensis*);
- (y) Song thrush (*Turdus philomelos*);
- (z) Starlings (Family *Sturnidae*) including pink starlings or rosy pastors (*Sturnus roseus*), except for Indian Hill mynahs (*Gracula religiosa*);
- (aa) Suricate or slender-tailed meerkat (Genus *Suricata*);
- (bb) Tongueless or African clawed frog (*Xenopus laevis*);
- (cc) Weaver finches (Genus *Passer*), except *Passer domesticus*;
- (dd) White eyes (Genus *Zosterops*);
- (ee) Wild European rabbit (also called the San Juan Rabbit) not distinguishable morphologically from native wild rabbits;

(ff) Yellowhammer (*Emberiza citrinella*);

(gg) A member of the following families:

1. Suidae (pigs or hogs), except for domestic swine;
2. Viverridae (civits, genets, lingsangs, mongooses and fossas);
3. Tayassuidae (peccaries and javelinas).

(2) Prohibited inherently-dangerous wildlife. Except as specified in Section 2 of this administrative regulation and subsections (3), (5), and (6) of this section, a person shall not import or possess in Kentucky the following:

- (a) Adders or vipers (Family Viperidae and Crotalidae) (except native species);
- (b) Alligators or caimans (Family Alligatoridae);
- (c) African buffalo (*Syncerus caffer*);
- (d) Bears (Family Ursidae);
- (e) Cheetah (*Acinonyx jubatus*);
- (f) Clouded leopard (*Neofelis nebulosa*);
- (g) Cobras mambas or coral snakes (Family Elapidae);
- (h) Crocodiles (Family Crocodylidae);
- (i) Elephants (Family Elephantidae);
- (j) Gavials (Family Gavialidae);
- (k) Gila monsters or beaded lizards (Family Helodermatidae);
- (l) Hippopotamus (*Hippopotamus amphibius*);
- (m) Honey badger or ratel (*Mellivora capensis*);
- (n) Hyenas (Family Hyaenidae), all species except aardwolves (*Proteles cristatus*);
- (o) Lions, jaguars, leopards or tigers (Genus *Panthera*);
- (p) Old world badger (*Meles meles*);
- (q) Primates nonhuman (Order Primates);
- (r) Rhinoceroses (Family Rhinocerotidae);
- (s) Sea snakes (Family Hydrophidae);
- (t) Snow leopard (*Uncia uncia*);
- (u) Venomous rear-fanged species (Family Colubridae) except hognose snakes (Genus *Heterodon*);
- (v) Wolverine (*Gulo gulo*); or
- (w) Hybrids of all species contained in this list.

(3) Upon written request, the commissioner may authorize the importation or possession of the species listed in this section by:

- (a) A zoo or facility that is designated as the official zoo of a municipality;
- (b) A government agency;
- (c) A college or university;
- (d) A licensed or accredited educational or research institution;
- (e) A lawfully operated circus;
- (f) An exhibitor sponsored or contracted by a lawfully operated state or county fair; or
- (g) A person or organization requesting exemption for a service animal, as defined by the Americans with Disabilities Act.

(4) Wildlife possessed or imported into Kentucky per subsections (3) or (5) of this section shall be maintained within an enclosure sufficient to prevent:

- (a) Escape;
- (b) Direct contact with the public; and
- (c) Bodily injury to the public.

(5) A person may apply for a transportation permit to temporarily transport or possess a prohibited animal listed in this section if the animal is within the state for less than ninety-six (96) hours. Transportation permits shall not be issued for consecutive ninety-six (96) hour periods.

(6) Possession of an inherently-dangerous animal prior to the effective date of the amendment to this administrative regulation.

(a) A person who legally possessed in Kentucky an inherently-dangerous animal as defined in subsection (2) of this section prior to July 13, 2005 may continue to possess the animal and shall maintain:

1. Veterinary records;
2. Acquisition papers for the animal; or
3. Any other evidence that establishes that the person possessed the animal in Kentucky prior to July 13, 2005.

(b) A legally-possessed inherently-dangerous animal shall not be bred or replaced without an exemption as established in Sections 2 and 3(3) of this administrative regulation.

(7) If any inherently-dangerous animal escapes, either intentionally or unintentionally, the owner of the animal shall immediately contact

local emergency services and the department at 800-252-3578 to report the escape or release.

Section 4. Exotic Wildlife. Unless listed in Section 3(1) of this administrative regulation, or otherwise protected by state or federal law, exotic wildlife shall not:

- (1) Be classified as protected wildlife; and
- (2) Require a permit from the department for possession.

Section 5. Transportation Permits and Certificate of Veterinary Inspection. (1) Prior to entry into Kentucky, an annual or individual transportation permit as established in 301 KAR 2:081 shall be obtained for all shipments of wildlife. A person shall be responsible for applying for a transportation permit before the person:

- (a) Receives a shipment of wildlife;
- (b) Imports wildlife for their own use or possession; or
- (c) Transports wildlife into and through the state to a destination outside Kentucky;
- (2) A copy of a valid transportation permit shall accompany all shipments of wildlife into Kentucky.

(a) An individual transportation permit shall be valid for one (1) shipment of wildlife and shall also permit possession of the wildlife for the designated time period.

(b) An annual transportation permit shall be valid for multiple wildlife shipments for one (1) year from the date of issue and shall also permit possession of the wildlife for the designated time period.

(c) An annual transportation permit holder shall:

1. Notify the department in writing of any changes or additions subsequent to the original application so that an amended permit may be issued prior to subsequent wildlife importation; and

2. Notify the wildlife division by telephone at 502-564-3400 or 800-858-1549 Monday through Friday between 8 a.m. and 4:30 p.m. at least forty-eight (48) hours prior to each shipment of wildlife of with:

- a. The date of expected shipment;
- b. The source of the shipment;
- c. The species being shipped;
- d. The number of individuals of each species; and
- e. The period of time when the wildlife will be inside the state of Kentucky.

(3) All shipments of wildlife, except for fish, amphibians, and reptiles, shall be accompanied by a certificate of veterinary inspection stating that the wildlife is free from symptoms of disease. A federal quarantine certificate may be substituted for the certificate of veterinary inspection.

Section 6. The following animals shall not require permits from the department for importation:

- (1) Alpaca (*Vicugna pacos*);
- (2) American bison (*Bison bison*);
- (3) Breeds and varieties of goats derived from the wild goat or bezoar (*Capra aegagrus*);
- (4) Camels (*Camelus bactrianus* and *Camelus dromedarius*);
- (5) Chinchillas (*Chinchilla laniger*);
- (6) Cockatoos (family *Cacatuidae*);
- (7) Domesticated races of ducks and geese (family *Anatidae*) distinguishable morphologically from wild ducks or geese;
- (8) Domesticated races of the European rabbit (*Oryctolagus cuniculus*) distinguishable morphologically from wild rabbits;
- (9) Domesticated races of mink (*Mustela vison*), if:

- (a) Adults are heavier than 1.15 kilograms; or
- (b) The fur color can be distinguished from wild mink;

(10) Domestic swine, except free-roaming or feral wild boars or wild swine;

(11) Domesticated races of rats (*Rattus norvegicus* or *Rattus rattus*) or mice (*Mus musculus*);

(12) Domesticated races of turkeys (*Meleagris gallopavo*) recognized by the American Poultry Association and the U.S. Department of Agriculture; but shall not include captive held or bred wild turkeys;

- (13) Domestic yak (*Bos grunniens*);
- (14) Gerbils (*Meriones unguiculatus*);
- (15) Guinea fowl (*Numida meleagris*);
- (16) Guinea pigs (*Cavia porcellus*);
- (17) Hamsters (*Mesocricetus* spp.);
- (18) Indian Hill mynahs (*Gracula religiosa*);
- (19) Llama (*Lama glama*);

- (20) Parrots, lovebirds, cockatiels, budgerigar, parakeets (except monk parakeet (*M. monachus*), macaws (family Psittacidae);
- (21) Peafowl (*Pavo cristatus*);
- (22) Pigeons (*Columba domestica* or *Columba livia*) or domesticated races of pigeons;
- (23) Ratites, as defined by KRS 247.870; and
- (24) Toucans (family Rhamphastidae).

Section 7. Applying for Permits. (1) An application for a permit shall be made on the appropriate form ~~permits shall be made on standard forms~~.

(2) The applicant shall indicate the source of supply of the wildlife.

(3) After the permit is issued, the permit holder shall retain a bill of sale or other written proof to show that the wildlife was obtained from a legal source.

(4) A permit holder shall show this written proof to a conservation officer upon request.

(5) An applicant shall possess an approved permit before transporting exotic wildlife into Kentucky.

(6) A permit application may be denied if the permit holder has been convicted of a violation of:

- (a) Any provision in this administrative regulation; or
- (b) Another federal or state wildlife law regarding the holding or transportation of exotic wildlife.

(7) Failure to provide accurate, truthful and complete information on the application form shall result in:

- (a) Immediate withdrawal or revocation of the permit; and
- (b) Confiscation of the wildlife imported under the permit.

(8) An applicant shall be responsible for knowing and following local ordinances and rules regarding the wildlife to be held in a locality.

Section 8. Endangered Species. A permit may be issued for the transportation or possession of federally endangered or threatened species if:

- (1) It is not listed in Section 3 of this administrative regulation; and
- (2) Proof of lawful possession and acquisition is provided.

Section 9. Inspections and Permit Revocation. (1) A person holding exotic wildlife shall allow a conservation officer to inspect the holding facilities at any reasonable time.

(2) Captive wildlife may be confiscated and the permit revoked if the permit holder violates any provision of this administrative regulation.

Section 10. Release. With the exception of pheasants and chukars, a person shall not release exotic wildlife into the wild.

Section 11. Incorporation by Reference. (1) The following material is incorporated by reference:

- (a) "Annual Transportation Permit Application, June 2008 edition"; and
- (b) "Individual Transportation Permit Application, June 2008 edition."

(2) This material may be inspected, copied, or obtained, subject to applicable copyright law, at the Kentucky Department of Fish and Wildlife Resources, #1 Sportsman's Lane, Frankfort, Kentucky, Monday through Friday, 8 a.m. to 4:30 p.m. (24 Ky.R. 427; Am. 869; eff. 10-8-97; 29 Ky.R. 1016; 1530; eff. 12-18-2002; 30 Ky.R. 404; eff. 10-31-03; 31 Ky.R. 1536; 1982; 32 Ky.R. 53, eff. 7-13-05; 33 Ky.R. 2365; eff. 5-4-07; 35 Ky.R. 340; 790; eff. 10-8-08.)

- Species Information
- KDFWR
- Maps
- Public Hunting Area Maps
- Game Maps
- Download GIS Data
- Links

KY Status Definitions

For additional information, please go to [Kentucky State Nature Preserves Commission](#)

Abbreviation	Kentucky State Nature Preserves Commission status
E	endangered
T	threatened
S	special concern
H	historic
X	extirpated
N or Blank	none

search

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Species Information

State Threatened, Endangered, and Special Concern

[US STATUS DEFINITIONS](#) [KENTUCKY STATUS DEFINITIONS](#)

Clicking on Yes in the WAP column brings up the [Wildlife Action Plan](#) species account

Linked life history provided courtesy of [NatureServe Explorer](#).

Records may include both recent and historical observations.

Click a scientific name for its life history. You may also select county or qua species observations in that area.

334 species are listed.

Scientific Name and Life History	Common Name and Pictures	Class	US Status	KY Status	WAP	Cc
Alosa alabamae	Alabama Shad	Actinopterygii	C	E	Yes	Cc
Atractosteus spatula	Alligator Gar	Actinopterygii	N	E	Yes	Cc
Etheostoma cinereum	Ashy Darter	Actinopterygii	N	S	Yes	Cc
Ictiobus niger	Black Buffalo	Actinopterygii	N	S		Cc
Thoburnia atripinnis	Blackfin Sucker	Actinopterygii	N	S	Yes	Cc
Phoxinus cumberlandensis	Blackside Dace	Actinopterygii	LT	T	Yes	Cc
Moxostoma poecilurum	Blacktail Redhorse	Actinopterygii	N	E	Yes	Cc
Cyprinella venusta	Blacktail Shiner	Actinopterygii	N	S		Cc
Erimystax insignis	Blotched Chub	Actinopterygii	N	E	Yes	Cc
Cyprinella camura	Bluntnose Shiner	Actinopterygii	N	E	Yes	Cc
Etheostoma lynceum	Brighteye Darter	Actinopterygii	N	E	Yes	Cc
Noturus phaeus	Brown Madtom	Actinopterygii	N	E	Yes	Cc
Lota lota	Burbot	Actinopterygii	N	S		Cc
Umbra limi	Central Mudminnow	Actinopterygii	N	T	Yes	Cc
Esox niger	Chain Pickerel	Actinopterygii	N	S		Cc
Etheostoma susanae	Cumberland Darter	Actinopterygii	C	E	Yes	Cc
Etheostoma proeliare	Cypress Darter	Actinopterygii	N	T	Yes	Cc
Hybognathus hayi	Cypress Minnow	Actinopterygii	N	E	Yes	Cc
Lepomis marginatus	Dollar Sunfish	Actinopterygii	N	E	Yes	Cc

<i>Etheostoma percnum</i>	Duskytail Darter	Actinopterygii	LE, PXN	E	Yes	Cc
<i>Etheostoma pyrrhogaster</i>	Firebelly Darter	Actinopterygii	N	E	Yes	Cc
<i>Platygobio gracilis</i>	Flathead Chub	Actinopterygii	N	S	Yes	Cc
<i>Fundulus chrysotus</i>	Golden Topminnow	Actinopterygii	N	E	Yes	Cc
<i>Etheostoma parvipinne</i>	Goldstripe Darter	Actinopterygii	N	E	Yes	Cc
<i>Etheostoma swaini</i>	Gulf Darter	Actinopterygii	N	E	Yes	Cc
<i>Nocomis biguttatus</i>	Hornyhead Chub	Actinopterygii	N	S		Cc
<i>Menidia beryllina</i>	Inland Silverside	Actinopterygii	N	T	Yes	Cc
<i>Erimyzon sucetta</i>	Lake Chubsucker	Actinopterygii	N	T	Yes	Cc
<i>Acipenser fulvescens</i>	Lake Sturgeon	Actinopterygii	N	E	Yes	Cc
<i>Noturus hildebrandi</i>	Least Madtom	Actinopterygii	N	E	Yes	Cc
<i>Percina macrocephala</i>	Longhead Darter	Actinopterygii	N	E	Yes	Cc
<i>Amblyopsis spelaea</i>	Northern Cavefish	Actinopterygii	N	S	Yes	Cc
<i>Noturus stigmosus</i>	Northern Madtom	Actinopterygii	N	S	Yes	Cc
<i>Percina squamata</i>	Olive Darter	Actinopterygii	N	E	Yes	Cc
<i>Notropis albizonatus</i>	Palezone Shiner	Actinopterygii	LE	E	Yes	Cc
<i>Scaphirhynchus albus</i>	Pallid Sturgeon	Actinopterygii	LE	E	Yes	Cc
<i>Hybognathus placitus</i>	Plains Minnow	Actinopterygii	N	S	Yes	Cc
<i>Lepomis miniatus</i>	Redspotted Sunfish	Actinopterygii	N	T	Yes	Cc
<i>Etheostoma chienense</i>	Relict Darter	Actinopterygii	LE	E	Yes	Cc
<i>Notropis sp. 4</i>	Sawfin Shiner	Actinopterygii	N	E	Yes	Cc
<i>Macrhybopsis meeki</i>	Sicklefin Chub	Actinopterygii	N	H		Cc
<i>Noturus exilis</i>	Slender Madtom	Actinopterygii	N	E	Yes	Cc
<i>Etheostoma microlepidum</i>	Smallscale Darter	Actinopterygii	N	E	Yes	Cc
<i>Typhlichthys subterraneus</i>	Southern Cavefish	Actinopterygii	N	S	Yes	Cc
<i>Notropis hudsonius</i>	Spottail Shiner	Actinopterygii	N	S		Cc
<i>Etheostoma maculatum</i>	Spotted Darter	Actinopterygii	N	T	Yes	Cc
<i>Phenacobius</i>	Stargazing	Actinopterygii	N	S	Yes	Cc

<i>uranops</i>	Minnow					
<i>Fundulus dispar</i>	Starhead Topminnow	Actinopterygii	N	E	Yes	Cc
<i>Macrhybopsis gelida</i>	Sturgeon Chub	Actinopterygii	N	H		Cc
<i>Etheostoma fusiforme</i>	Swamp Darter	Actinopterygii	N	E	Yes	Cc
<i>Notropis maculatus</i>	Taillight Shiner	Actinopterygii	N	T	Yes	Cc
<i>Percopsis omiscomaycus</i>	Trout-perch	Actinopterygii	N	S		Cc
<i>Ammocrypta clara</i>	Western Sand Darter	Actinopterygii	N	E	Yes	Cc
<i>Hyla gratiosa</i>	Barking Treefrog	Amphibia	N	S	Yes	Cc
<i>Hyla avivoca</i>	Bird-voiced Treefrog	Amphibia	N	S	Yes	Cc
<i>Cryptobranchus alleganiensis alleganiensis</i>	Eastern Hellbender	Amphibia	N	S	Yes	Cc
<i>Hyla versicolor</i>	Gray Treefrog	Amphibia	N	S	Yes	Cc
<i>Hyla cinerea</i>	Green Treefrog	Amphibia	N	S	Yes	Cc
<i>Rana areolata circulosa</i>	Northern Crawfish Frog	Amphibia	N	S	Yes	Cc
<i>Rana pipiens</i>	Northern Leopard Frog	Amphibia	N	S	Yes	Cc
<i>Plethodon cinereus</i>	Redback Salamander	Amphibia	N	S	Yes	Cc
<i>Eurycea guttolineata</i>	Three-lined Salamander	Amphibia	N	T	Yes	Cc
<i>Amphiuma tridactylum</i>	Three-toed Amphiuma	Amphibia	N	E	Yes	Cc
<i>Plethodon wehrlei</i>	Wehrle's Salamander	Amphibia	N	E	Yes	Cc
<i>Hesperonemastoma inops</i>	A Cave Obligate Harvestman	Arachnida	N	S		Cc
<i>Belba bulbipedata</i>	A Cave Obligate Mite	Arachnida	N	T		Cc
<i>Galumna alata</i>	A Cave Obligate Mite	Arachnida	N	T		Cc
<i>Macrocheles stygius</i>	A Cave Obligate Mite	Arachnida	N	T		Cc
<i>Macrocheles troglodytes</i>	A Cave Obligate Mite	Arachnida	N	T		Cc
<i>Kleptochthonius attenuatus</i>	A Cave Obligate Pseudoscorpion	Arachnida	N	T		Cc
<i>Kleptochthonius cerberus</i>	A Cave Obligate Pseudoscorpion	Arachnida	N	S		Cc

<i>Kleptochthonius erebicus</i>	A Cave Obligate Pseudoscorpion	Arachnida	N	T		Cc
<i>Kleptochthonius hageni</i>	A Cave Obligate Pseudoscorpion	Arachnida	N	S		Cc
<i>Kleptochthonius hubrichti</i>	A Cave Obligate Pseudoscorpion	Arachnida	N	T		Cc
<i>Kleptochthonius microphthalmus</i>	A Cave Obligate Pseudoscorpion	Arachnida	N	T		Cc
<i>Tyrannochthonius hypogeus</i>	A Cave Obligate Pseudoscorpion	Arachnida	N	S		Cc
<i>Botaurus lentiginosus</i>	American Bittern	Aves	N	H	Yes	Cc
<i>Fulica americana</i>	American Coot	Aves	N	E		Cc
<i>Aimophila aestivalis</i>	Bachman's Sparrow	Aves	N	E	Yes	Cc
<i>Haliaeetus leucocephalus</i>	Bald Eagle	Aves	N	T	Yes	Cc
<i>Riparia riparia</i>	Bank Swallow	Aves	N	S	Yes	Cc
<i>Tyto alba</i>	Barn Owl	Aves	N	S	Yes	Cc
<i>Vireo bellii</i>	Bell's Vireo	Aves	PS	S	Yes	Cc
<i>Thryomanes bewickii</i>	Bewick's Wren	Aves	N	S	Yes	Cc
<i>Nycticorax nycticorax</i>	Black-crowned Night-heron	Aves	N	T	Yes	Cc
<i>Dendroica fusca</i>	Blackburnian Warbler	Aves	N	T	Yes	Cc
<i>Anas discors</i>	Blue-winged Teal	Aves	N	T		Cc
<i>Dolichonyx oryzivorus</i>	Bobolink	Aves	N	S	Yes	Cc
<i>Certhia americana</i>	Brown Creeper	Aves	N	E	Yes	Cc
<i>Wilsonia canadensis</i>	Canada Warbler	Aves	N	S	Yes	Cc
<i>Bubulcus ibis</i>	Cattle Egret	Aves	N	S		Cc
<i>Gallinula chloropus</i>	Common Moorhen	Aves	PS	T	Yes	Cc
<i>Corvus corax</i>	Common Raven	Aves	N	T	Yes	Cc
<i>Junco hyemalis</i>	Dark-eyed Junco	Aves	N	S		Cc
<i>Phalacrocorax auritus</i>	Double-crested Cormorant	Aves	N	E		Cc
<i>Corvus ossifragus</i>	Fish Crow	Aves	N	S		Cc
<i>Vermivora</i>	Golden-winged					

<i>chrysoptera</i>	Warbler	Aves	N	T	Yes	Cc
<i>Ardea herodias</i>	Great Blue Heron	Aves	N	S		Cc
<i>Ardea alba</i>	Great Egret	Aves	N	E	Yes	Cc
<i>Ammodramus henslowii</i>	Henslow's Sparrow	Aves	N	S	Yes	Cc
<i>Lophodytes cucullatus</i>	Hooded Merganser	Aves	N	T	Yes	Cc
<i>Sternula antillarum athalassos</i>	Interior Least Tern	Aves	LE	E	Yes	Cc
<i>Rallus elegans</i>	King Rail	Aves	N	E	Yes	Cc
<i>Chondestes grammacus</i>	Lark Sparrow	Aves	N	T	Yes	Cc
<i>Ixobrychus exilis</i>	Least Bittern	Aves	N	T	Yes	Cc
<i>Empidonax minimus</i>	Least Flycatcher	Aves	N	E	Yes	Cc
<i>Egretta caerulea</i>	Little Blue Heron	Aves	N	E	Yes	Cc
<i>Asio otus</i>	Long-eared Owl	Aves	N	E	Yes	Cc
<i>Ictinia mississippiensis</i>	Mississippi Kite	Aves	N	S	Yes	Cc
<i>Circus cyaneus</i>	Northern Harrier	Aves	N	T	Yes	Cc
<i>Anas clypeata</i>	Northern Shoveler	Aves	N	E		Cc
<i>Pandion haliaetus</i>	Osprey	Aves	N	T	Yes	Cc
<i>Falco peregrinus</i>	Peregrine Falcon	Aves	PS:LE	E	Yes	Cc
<i>Podilymbus podiceps</i>	Pied-billed Grebe	Aves	N	E	Yes	Cc
<i>Sitta canadensis</i>	Red-breasted Nuthatch	Aves	N	E	Yes	Cc
<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak	Aves	N	S	Yes	Cc
<i>Passerculus sandwichensis</i>	Savannah Sparrow	Aves	N	S	Yes	Cc
<i>Cistothorus platensis</i>	Sedge Wren	Aves	N	S	Yes	Cc
<i>Accipiter striatus</i>	Sharp-shinned Hawk	Aves	PS	S	Yes	Cc
<i>Asio flammeus</i>	Short-eared Owl	Aves	N	E	Yes	Cc
<i>Actitis macularius</i>	Spotted Sandpiper	Aves	N	E		Cc
<i>Bartramia longicauda</i>	Upland Sandpiper	Aves	N	H	Yes	Cc
<i>Pooecetes gramineus</i>	Vesper Sparrow	Aves	N	E	Yes	Cc

<i>Nyctanassa violacea</i>	Yellow-crowned Night-heron	Aves	N	T	Yes	Cc
<i>Potamilus purpuratus</i>	Bleufer	Bivalvia	N	E	Yes	Cc
<i>Epioblasma obliquata obliquata</i>	Catspaw	Bivalvia	LE	E	Yes	Cc
<i>Pleurobema clava</i>	Clubshell	Bivalvia	LE, XN	E	Yes	Cc
<i>Lasmigona compressa</i>	Creek Heelsplitter	Bivalvia	N	E	Yes	Cc
<i>Villosa trabalis</i>	Cumberland Bean	Bivalvia	LE, XN	E	Yes	Cc
<i>Alasmidonta atropurpurea</i>	Cumberland Elktoe	Bivalvia	LE	E	Yes	Cc
<i>Anodontoides denigratus</i>	Cumberland Papershell	Bivalvia	N	E	Yes	Cc
<i>Epioblasma brevidens</i>	Cumberlandian Combshell	Bivalvia	LE, XN	E	Yes	Cc
<i>Alasmidonta marginata</i>	Elktoe	Bivalvia	N	T	Yes	Cc
<i>Cyprogenia stegaria</i>	Fanshell	Bivalvia	LE	E	Yes	Cc
<i>Potamilus capax</i>	Fat Pocketbook	Bivalvia	LE	E	Yes	Cc
<i>Ptychobranchnus subtentum</i>	Fluted Kidneyshell	Bivalvia	C	E	Yes	Cc
<i>Villosa ortmanni</i>	Kentucky Creekshell	Bivalvia	N	T	Yes	Cc
<i>Villosa lienosa</i>	Little Spectaclecase	Bivalvia	N	S	Yes	Cc
<i>Pegias fabula</i>	Littlewing Pearlymussel	Bivalvia	LE	E	Yes	Cc
<i>Fusconaia subrotunda subrotunda</i>	Longsolid	Bivalvia	N	S	Yes	Cc
<i>Villosa vanuxemensis vanuxemensis</i>	Mountain Creekshell	Bivalvia	N	T	Yes	Cc
<i>Epioblasma torulosa rangiana</i>	Northern Riffleshell	Bivalvia	LE	E	Yes	Cc
<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback	Bivalvia	LE	E	Yes	Cc
<i>Epioblasma capsaeformis</i>	Oyster Mussel	Bivalvia	LE, XN	E	Yes	Cc
<i>Lampsilis abrupta</i>	Pink Mucket	Bivalvia	LE	E	Yes	Cc
<i>Lampsilis ovata</i>	Pocketbook	Bivalvia	N	E	Yes	Cc
<i>Toxolasma lividus</i>	Purple Lilliput	Bivalvia	N	E	Yes	Cc
<i>Pleurobema rubrum</i>	Pyramid Pigtoe	Bivalvia	N	E	Yes	Cc
<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot	Bivalvia	N	T	Yes	Cc

<i>Obovaria retusa</i>	Ring Pink	Bivalvia	LE	E	Yes	Cc
<i>Pleurobema plenum</i>	Rough Pigtoe	Bivalvia	LE	E	Yes	Cc
<i>Simpsonaias ambigua</i>	Salamander Mussel	Bivalvia	N	T	Yes	Cc
<i>Plethobasus cyphyus</i>	Sheepnose	Bivalvia	N	E	Yes	Cc
<i>Epioblasma triquetra</i>	Snuffbox	Bivalvia	N	E	Yes	Cc
<i>Cumberlandia monodonta</i>	Spectacle Case	Bivalvia	N	E	Yes	Cc
<i>Epioblasma florentina walkeri</i>	Tan Riffleshell	Bivalvia	LE	E	Yes	Cc
<i>Pleurobema oviforme</i>	Tennessee Clubshell	Bivalvia	N	E	Yes	Cc
<i>Toxolasma texasiensis</i>	Texas Lilliput	Bivalvia	N	E	Yes	Cc
<i>Lampetra appendix</i>	American Brook Lamprey	Cephalaspidomorphi	N	T	Yes	Cc
<i>Ichthyomyzon castaneus</i>	Chestnut Lamprey	Cephalaspidomorphi	N	S	Yes	Cc
<i>Ichthyomyzon greeleyi</i>	Mountain Brook Lamprey	Cephalaspidomorphi	N	T	Yes	Cc
<i>Ichthyomyzon fossor</i>	Northern Brook Lamprey	Cephalaspidomorphi	N	T	Yes	Cc
<i>Scoterpes copei</i>	A Cave Obligate Milliped	Diplopoda	N	T		Cc
<i>Pseudotremia amphiorax</i>	A Cave Obligate Milliped	Diplopoda	N	T		Cc
<i>Pseudotremia carterensis</i>	A Cave Obligate Milliped	Diplopoda	N	S		Cc
<i>Pseudotremia merops</i>	A Cave Obligate Milliped	Diplopoda	N	T		Cc
<i>Pseudotremia spira</i>	A Cave Obligate Milliped	Diplopoda	N	T		Cc
<i>Pseudotremia unca</i>	A Cave Obligate Milliped	Diplopoda	N	T		Cc
<i>Pseudosinella espanita</i>	A Cave Obligate Springtail	Elliplura	N	S		Cc
<i>Arrhopalites bimus</i>	A Cave Obligate Springtail	Elliplura	N	T		Cc
<i>Arrhopalites altus</i>	A Cave Obligate Springtail	Elliplura	N	T		Cc

<i>Tomocerus missus</i>	A Cave Obligate Springtail	Elliplura	N	T		Cc
<i>Pilsbryna sp. 1</i>	A Snail	Gastropoda	N	E		Cc
<i>Lithasia armigera</i>	Armored Rocksnaill	Gastropoda	N	S		Cc
<i>Neohelix dentifera</i>	Big-tooth Whitelip	Gastropoda	N	T		Cc
<i>Fumonelix wetherbyi</i>	Clifty Covert	Gastropoda	N	S		Cc
<i>Vertigo clappi</i>	Cupped Vertigo	Gastropoda	N	E		Cc
<i>Vertigo bollesiana</i>	Delicate Vertigo	Gastropoda	N	E		Cc
<i>Rhodacme elatior</i>	Domed Ancyliid	Gastropoda	N	S		Cc
<i>Lioplax sulculosa</i>	Furrowed Lioplax	Gastropoda	N	S		Cc
<i>Paravitrea lapilla</i>	Gem Supercoil	Gastropoda	N	T		Cc
<i>Vitrinizonites latissimus</i>	Glassy Grapeskin	Gastropoda	N	T		Cc
<i>Helicodiscus notius specus</i>	Land Snail	Gastropoda	N	T		Cc
<i>Glyphyalinia raderi</i>	Maryland Glyph	Gastropoda	N	S		Cc
<i>Lithasia salebrosa</i>	Muddy Rocksnaill	Gastropoda	N	S		Cc
<i>Leptoxis praerosa</i>	Onyx Rocksnaill	Gastropoda	N	S		Cc
<i>Lithasia geniculata</i>	Ornate Rocksnaill	Gastropoda	N	S		Cc
<i>Anguispira rugoderma</i>	Pine Mountain Disc	Gastropoda	N	T		Cc
<i>Helicodiscus punctatellus</i>	Punctate Coil	Gastropoda	N	S		Cc
<i>Appalachina chilhoweensis</i>	Queen Crater	Gastropoda	N	S		Cc
<i>Pleurocera alveare</i>	Rugged Hornsnaill	Gastropoda	N	S		Cc
<i>Glyphyalinia rhoadsi</i>	Sculpted Glyph	Gastropoda	N	T		Cc
<i>Antroselates spiralis</i>	Shaggy Cavesnaill	Gastropoda	N	S		Cc
<i>Pleurocera curta</i>	Shortspire Hornsnaill	Gastropoda	N	S		Cc
<i>Webbhelix multilineata</i>	Striped Whitelip	Gastropoda	N	T		Cc
<i>Lithasia verrucosa</i>	Varicose Rocksnaill	Gastropoda	N	S		Cc
<i>Patera panselenus</i>	Virginia Bladetooth	Gastropoda	N	S		Cc
<i>Rabdotus dealbatus</i>	Whitewashed Rabdotus	Gastropoda	N	T		Cc

<i>Mesomphix rugeli</i>	Wrinkled Button	Gastropoda	N	T		Cc
<i>Litobrancha recurvata</i>	A Burrowing Mayfly	Insecta	N	S		Cc
<i>Allocapnia cunninghami</i>	A Capniid Stonefly	Insecta	N	T		Cc
<i>Batriasymmodes quisnamus</i>	A Cave Obligate Beetle	Insecta	N	T		Cc
<i>Batrisodes henroti</i>	A Cave Obligate Beetle	Insecta	N	T		Cc
<i>Batrisodes hubrichti</i>	A Cave Obligate Beetle	Insecta	N	T		Cc
<i>Tychobythinus hubrichti</i>	A Cave Obligate Beetle	Insecta	N	T		Cc
<i>Pseudanophthalmus pubescens intrepidus</i>	A Cave Obligate Beetle	Insecta	N	T		Cc
<i>Pseudanophthalmus cnephosus</i>	A Cave Obligate Beetle	Insecta	N	T		Cc
<i>Pseudanophthalmus elongatus</i>	A Cave Obligate Beetle	Insecta	N	S		Cc
<i>Pseudanophthalmus solivagus</i>	A Cave Obligate Beetle	Insecta	N	S		Cc
<i>Pseudanophthalmus transfuvialis</i>	A Cave Obligate Beetle	Insecta	N	S		Cc
<i>Prairiana kansana</i>	A Cicadellid Leafhopper	Insecta	N	E		Cc
<i>Lytrosis permagnaria</i>	A Geometrid Moth	Insecta	N	E		Cc
<i>Nixe flowersi</i>	A Heptageniid Mayfly	Insecta	N	H		Cc
<i>Raptoheptagenia cruentata</i>	A Heptageniid Mayfly	Insecta	N	H		Cc
<i>Maccaffertium bednariki</i>	A Heptageniid Mayfly	Insecta	N	S		Cc
<i>Habrophlebiodes celeteria</i>	A Leptophlebiid Mayfly	Insecta	N	H		Cc
<i>Traverella lewisi</i>	A Leptophlebiid Mayfly	Insecta	N	H		Cc
<i>Manophylax butleri</i>	A Limnephilid Caddisfly	Insecta	N	S		Cc
<i>Acroneuria hitchcocki</i>	A Perlid Stonefly	Insecta	N	T		Cc
<i>Acroneuria kosztarabi</i>	A Perlid Stonefly	Insecta	N	S		Cc
<i>Hansonoperla hokolesqua</i>	A Perlid Stonefly	Insecta	N	S		Cc
<i>Soyedina calcarea</i>	A Stonefly	Insecta	N	E		Cc
<i>Dannella provonshai</i>	An Ephemerellid	Insecta	N	H		Cc

	Mayfly					
<i>Pseudanophthalmus hypolithos</i>	Ashcamp Cave Beetle	Insecta	N	T		Co
<i>Arigomphus maxwelli</i>	Bayou Clubtail	Insecta	N	T		Co
<i>Pseudanophthalmus major</i>	Beaver Cave Beetle	Insecta	N	T		Co
<i>Lordithon niger</i>	Black Lordithon Rove Beetle	Insecta	N	H		Co
<i>Papaipema beeriana</i>	Blazing Star Stem Borer	Insecta	N	E		Co
<i>Pseudanophthalmus audax</i>	Bold Cave Beetle	Insecta	N	T		Co
<i>Poanes viator</i>	Broad-winged Skipper	Insecta	N	T		Co
<i>Ophiogomphus aspersus</i>	Brook Snaketail	Insecta	N	H		Co
<i>Pseudanophthalmus caecus</i>	Clifton Cave Beetle	Insecta	C	T		Co
<i>Gomphus hybridus</i>	Cocoa Clubtail	Insecta	N	E		Co
<i>Pseudanophthalmus abditus</i>	Concealed Cave Beetle	Insecta	N	T		Co
<i>Pseudanophthalmus simulans</i>	Cub Run Cave Beetle	Insecta	N	T		Co
<i>Cellithemis verna</i>	Double-ringed Pennant	Insecta	N	H		Co
<i>Euphyes dukesi</i>	Dukes' Skipper	Insecta	N	S		Co
<i>Erora laeta</i>	Early Hairstreak	Insecta	N	T		Co
<i>Amphiagrion saucium</i>	Eastern Red Damselfly	Insecta	N	E		Co
<i>Nannothemis bella</i>	Elfin Skimmer	Insecta	N	E		Co
<i>Stylurus notatus</i>	Elusive Clubtail	Insecta	N	E		Co
<i>Pseudanophthalmus exoticus</i>	Exotic Cave Beetle	Insecta	N	H		Co
<i>Callophrys irus</i>	Frosted Elfin	Insecta	N	T		Co
<i>Pseudanophthalmus horni</i>	Garman's Cave Beetle	Insecta	N	S		Co
<i>Polygonia progne</i>	Gray Comma	Insecta	N	H		Co
<i>Pseudanophthalmus pholeter</i>	Greater Adams Cave Beetle	Insecta	N	E		Co
<i>Polygonia faunus</i>	Green Comma	Insecta	N	H		Co
<i>Mesamia stramineus</i>	Helianthus Leafhopper	Insecta	N	E		Co
<i>Cheumatopsyche helma</i>	Helma's Net-spinning Caddisfly	Insecta	N	H		Co
<i>Pseudanophthalmus</i>	Hidden Cave	Insecta	N	T		Co

<i>conditus</i>	Beetle					
<i>Pseudanophthalmus frigidus</i>	Icebox Cave Beetle	Insecta	C	T		Cc
<i>Pseudanophthalmus catorcyctos</i>	Lesser Adams Cave Beetle	Insecta	N	E		Cc
<i>Pseudanophthalmus calcareus</i>	Limestone Cave Beetle	Insecta	N	T		Cc
<i>Pseudanophthalmus troglodytes</i>	Louisville Cave Beetle	Insecta	C	T		Cc
<i>Ophiogomphus mainensis</i>	Maine Snaketail	Insecta	N	E		Cc
<i>Satyrrium favonius ontario</i>	Northern Hairstreak	Insecta	N	S		Cc
<i>Pseudanophthalmus puteanus</i>	Old Well Cave Beetle	Insecta	N	T		Cc
<i>Papaipema speciosissima</i>	Osmunda Borer Moth	Insecta	N	E		Cc
<i>Ophiogomphus howei</i>	Pygmy Snaketail	Insecta	N	T		Cc
<i>Papaipema sp. 5</i>	Rare Cane Borer Moth	Insecta	N	T		Cc
<i>Papaipema eryngii</i>	Rattlesnake-master Borer Moth	Insecta	N	E		Cc
<i>Speyeria idalia</i>	Regal Fritillary	Insecta	N	H		Cc
<i>Pseudanophthalmus rogersae</i>	Rogers' Cave Beetle	Insecta	N	T		Cc
<i>Pseudanophthalmus globiceps</i>	Round-headed Cave Beetle	Insecta	N	T		Cc
<i>Pseudanophthalmus scholasticus</i>	Scholarly Cave Beetle	Insecta	N	T		Cc
<i>Nehalennia irene</i>	Sedge Sprite	Insecta	N	E		Cc
<i>Dryobius sexnotatus</i>	Sixbanded Longhorn Beetle	Insecta	N	T		Cc
<i>Calopteryx dimidiata</i>	Sparkling Jewelwing	Insecta	N	E		Cc
<i>Pseudanophthalmus tenebrosus</i>	Stevens Creek Cave Beetle	Insecta	N	T		Cc
<i>Pseudanophthalmus inexpectatus</i>	Surprising Cave Beetle	Insecta	N	T		Cc
<i>Calephelis muticum</i>	Swamp Metalmark	Insecta	N	E		Cc
<i>Pseudanophthalmus parvus</i>	Tatum Cave Beetle	Insecta	C	T		Cc
<i>Phyciodes batesii</i>	Tawny Crescent	Insecta	N	H		Cc
<i>Stylurus scudderii</i>	Zebra Clubtail	Insecta	N	E		Cc
<i>Stygobromus</i>	An Amphipod (Stygobromus)	Malacostraca	N	S		Cc

<i>vitreus</i>	vitreus)					
<i>Orconectes packardii</i>	Appalachian Cave Crayfish	Malacostraca	N	T		Cc
<i>Cambarus veteranus</i>	Big Sandy Crayfish	Malacostraca	N	S		Cc
<i>Cambarus bouchardi</i>	Big South Fork Crayfish	Malacostraca	N	E		Cc
<i>Orconectes burri</i>	Blood River Crayfish	Malacostraca	N	T		Cc
<i>Barbicambarus cornutus</i>	Bottlebrush Crayfish	Malacostraca	N	S		Cc
<i>Gammarus bousfieldi</i>	Bousfield's Amphipod	Malacostraca	N	E		Cc
<i>Cambarellus shufeldtii</i>	Cajun Dwarf Crayfish	Malacostraca	N	S		Cc
<i>Caecidotea barri</i>	Clifton Cave Isopod	Malacostraca	N	E		Cc
<i>Orconectes bisectus</i>	Crittenden Crayfish	Malacostraca	N	T		Cc
<i>Orconectes barri</i>	Cumberland Plateau Cave Crayfish	Malacostraca	N	T		Cc
<i>Cambarellus puer</i>	Dwarf Crayfish	Malacostraca	N	E		Cc
<i>Orconectes pellucidus</i>	Eyeless Crayfish	Malacostraca	N	S		Cc
<i>Orconectes inermis inermis</i>	Ghost Crayfish	Malacostraca	N	S		Cc
<i>Orconectes palmeri palmeri</i>	Gray-speckled Crayfish	Malacostraca	N	E		Cc
<i>Cambarus friauffi</i>	Hairy Crayfish	Malacostraca	N	S		Cc
<i>Orconectes margorectus</i>	Livingston Crayfish	Malacostraca	N	T		Cc
<i>Cambarus buntingi</i>	Longclaw Crayfish	Malacostraca	N	S		Cc
<i>Orconectes jeffersoni</i>	Louisville Crayfish	Malacostraca	N	E		Cc
<i>Palaemonias ganteri</i>	Mammoth Cave Shrimp	Malacostraca	LE	E		Cc
<i>Cambarus parvovulus</i>	Mountain Midget Crayfish	Malacostraca	N	T		Cc
<i>Orconectes ronaldi</i>	Mud River Crayfish	Malacostraca	N	T		Cc
<i>Macrobrachium ohione</i>	Ohio River Shrimp	Malacostraca	N	E		Cc
<i>Orconectes lancifer</i>	Shrimp Crayfish	Malacostraca	N	E		Cc
<i>Procambarus viaeviridis</i>	Vernal Crayfish	Malacostraca	N	T		Cc
<i>Ursus americanus</i>	American Black Bear	Mammalia	PS	S	Yes	Cc

<i>Sorex cinereus</i>	Cinereus Shrew	Mammalia	N	S	Yes	Cc
<i>Peromyscus gossypinus</i>	Cotton Mouse	Mammalia	PS	T	Yes	Cc
<i>Myotis leibii</i>	Eastern Small-footed Myotis	Mammalia	N	T	Yes	Cc
<i>Spilogale putorius</i>	Eastern Spotted Skunk	Mammalia	N	S	Yes	Cc
<i>Nycticeius humeralis</i>	Evening Bat	Mammalia	N	S	Yes	Cc
<i>Myotis grisescens</i>	Gray Myotis	Mammalia	LE	T	Yes	Cc
<i>Myotis sodalis</i>	Indiana Bat	Mammalia	LE	E	Yes	Cc
<i>Clethrionomys gapperi maurus</i>	Kentucky Red-backed Vole	Mammalia	N	S	Yes	Cc
<i>Mustela nivalis</i>	Least Weasel	Mammalia	N	S		Cc
<i>Sorex dispar blitchi</i>	Long-tailed Or Rock Shrew	Mammalia	N	E	Yes	Cc
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	Mammalia	N	S	Yes	Cc
<i>Myotis austroriparius</i>	Southeastern Myotis	Mammalia	N	E	Yes	Cc
<i>Corynorhinus townsendii virginianus</i>	Virginia Big-eared Bat	Mammalia	LE	E	Yes	Cc
<i>Bryocamptus morrisoni elegans</i>	A Copepod	Maxillopoda	N	T		Cc
<i>Sagittocythere stygia</i>	An Ectocommensal Ostracod	Ostracoda	N	T		Cc
<i>Macrochelys temminckii</i>	Alligator Snapping Turtle	Reptilia	N	T	Yes	Cc
<i>Nerodia fasciata confluens</i>	Broad-banded Water Snake	Reptilia	N	E	Yes	Cc
<i>Eumeces anthracinus</i>	Coal Skink	Reptilia	N	T	Yes	Cc
<i>Nerodia erythrogaster neglecta</i>	Copperbelly Water Snake	Reptilia	PS:LT	S	Yes	Cc
<i>Elaphe guttata</i>	Eastern Corn Snake	Reptilia	N	S	Yes	Cc
<i>Thamnophis sauritus sauritus</i>	Eastern Ribbon Snake	Reptilia	N	S	Yes	Cc
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard	Reptilia	N	T	Yes	Cc
<i>Nerodia cyclopion</i>	Green Water Snake	Reptilia	N	E	Yes	Cc
<i>Clonophis kirtlandii</i>	Kirtland's Snake	Reptilia	N	T	Yes	Cc

<i>Apalone mutica mutica</i>	Midland Smooth Softshell	Reptilia	N	S	Yes	Cc
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pine Snake	Reptilia	N	T	Yes	Cc
<i>Lampropeltis triangulum elapsoides</i>	Scarlet Kingsnake	Reptilia	N	S	Yes	Cc
<i>Eumeces inexpectatus</i>	Southeastern Five-lined Skink	Reptilia	N	S	Yes	Cc
<i>Chrysemys dorsalis</i>	Southern Painted Turtle	Reptilia	N	T	Yes	Cc
<i>Farancia abacura reinwardtii</i>	Western Mud Snake	Reptilia	N	S	Yes	Cc
<i>Sistrurus miliarius streckeri</i>	Western Pygmy Rattlesnake	Reptilia	N	T	Yes	Cc
<i>Thamnophis proximus proximus</i>	Western Ribbon Snake	Reptilia	N	T	Yes	Cc
<i>Sphalloplana buchanani</i>	A Cave Obligate Planarian	Turbellaria	N	T		Cc
<i>Geocentrophora cavernicola</i>	A Cave Obligate Planarian	Turbellaria	N	T		Cc