

**RULES
OF
THE TENNESSEE WILDLIFE RESOURCES AGENCY
BIODIVERSITY**

**CHAPTER 1660-01-32
RULES AND REGULATIONS FOR IN NEED OF MANAGEMENT, THREATENED, AND
ENDANGERED SPECIES**

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1660-01-32-.01 ADOPTION OF FEDERAL ENDANGERED SPECIES ACT.

- (1) The Tennessee Wildlife Resources Agency hereby adopts by reference the species and subspecies protected by the Federal Endangered Species Act of 1973, as amended, 16 USCA, Chapter 35. A list of Tennessee's federally threatened and endangered species under the Endangered Species Act may be found at 50 C.F.R. § 17.11 (November 30, 2023).

Authority: T.C.A. §§ 70-1-206, 70-8-104, 70-8-105, 70-8-106, and 70-8-107. **Administrative History:** Original rules filed February 1, 2018; to have been effective May 2, 2018. However, the Government Operations Committee filed a 45-day stay on April 19, 2018; new effective date to have been June 16, 2018. On May 23, 2018, TWRA filed a 75-day stay; new effective date August 30, 2018. Amendments filed September 26, 2024; effective December 25, 2024.

1660-01-32-.02 THREATENED AND ENDANGERED SPECIES LISTS AND RULES.

- (1) The following species or subspecies are listed as state endangered.
- (a) Crayfish

Common Name	Scientific Name
Big South Fork Crayfish	<i>Cambarus bouchardi</i>
Mountain Crayfish	<i>Cambarus conasaugaensis</i>
Conasauga Blue Burrower	<i>Cambarus cymatilis</i>
Valley Flame Crayfish	<i>Cambarus deweesae</i>
Chickamauga Crayfish	<i>Cambarus extraneus</i>
Speckled Crayfish	<i>Cambarus lentiginosus</i>
Obey Crayfish	<i>Cambarus obeyensis</i>
Pristine Crayfish	<i>Cambarus pristinus</i>
French Broad Crayfish	<i>Cambarus reburus</i>
Flint River Crayfish	<i>Faxonius cooperi</i>
Tennessee Cave Crayfish	<i>Orconectes incomptus</i>

- (b) Fish

(Rule 1660-01-32-.02, continued)

Common Name	Scientific Name
Western Sand Darter	<i>Ammocrypta clara</i>
Silverjaw Minnow	<i>Ericymba buccata</i>
Barrens Darter	<i>Etheostoma forbesi</i>
Striated Darter	<i>Etheostoma striatulum</i>
Tuscumbia Darter	<i>Etheostoma tuscumbia</i>
Coosa Chub	<i>Macrhybopsis etnieri</i>
Piebald Madtom	<i>Noturus gladiator</i>
Longhead Darter	<i>Percina macrocephala</i>

(c) Amphibians

Common Name	Scientific Name
Streamside Salamander	<i>Ambystoma barbouri</i>
Eastern Hellbender	<i>Cryptobranchus alleganiensis</i>
Berry Cave Salamander	<i>Gyrinophilus gulolineatus</i>
Yellow-Spotted Woodland Salamander	<i>Plethodon pauleyi</i>

(d) Reptiles

Common Name	Scientific Name
Kirtland's snake	<i>Clonophis kirtlandii</i>
Coachwhip	<i>Masticophis flagellum</i>

(e) Birds

Common Name	Scientific Name
Bachman's Sparrow	<i>Peucaea aestivalis</i>

(f) Mammals

Common Name	Scientific Name
Southern Rock Vole	<i>Microtus chrotorrhinus carolinensis</i>

(g) Mollusks

(Rule 1660-01-32-.02, continued)

Common Name	Scientific Name
Cumberland Moccasinshell	<i>Medionidus conradicus</i>
Tennessee Pigtoe	<i>Pleuroaia barnesiana</i>
Tennessee Clubshell	<i>Pleurobema oviforme</i>
Salamander Mussel	<i>Simpsonaias ambigua</i>

(2) The following species or subspecies are listed as state threatened.

(a) Crayfish

Common Name	Scientific Name
Bottlebrush Crayfish	<i>Barbicambarus cornutus</i>
Tennessee Bottlebrush Crayfish	<i>Barbicambarus simmonsii</i>
Short Mountain Crayfish	<i>Cambarus clivosus</i>
Hiwassee Crayfish	<i>Cambarus hiwasseeensis</i>
Cumberland Block Crayfish	<i>Cambarus intermontanus</i>
Greensaddle Crayfish	<i>Cambarus manningi</i>
Midnight Blue Burrower	<i>Cambarus nyx</i>
Brawleys Fork Crayfish	<i>Cambarus williamsi</i>
Hatchie Burrowing Crayfish	<i>Creaserinus horti</i>
Surgeon Crayfish	<i>Faxonius forceps</i>
Blood River Crayfish	<i>Faxonius burri</i>
Crescent Crayfish	<i>Faxonius taylori</i>
Hardin Crayfish	<i>Faxonius wrighti</i>
Cumberland Plateau Cave Crayfish	<i>Orconectes barri</i>
Mammoth Cave Crayfish	<i>Orconectes pellucidus</i>

(b) Fish

Common Name	Scientific Name
Lake Sturgeon	<i>Acipenser fulvescens</i>
Ashy Darter	<i>Allohistium cinereum</i>
Redlips Darter	<i>Allohistium maydeni</i>
Alligator Gar	<i>Atractosteus spatula</i>
Clinch Dace	<i>Chrosomus sp.cf. saylora</i>
Holiday Darter	<i>Etheostoma brevirostrum</i>

(Rule 1660-01-32-.02, continued)

Crown Darter	<i>Etheostoma corona</i>
Coldwater Darter	<i>Etheostoma ditrema</i>
Flame Chub	<i>Hemitremia flammea</i>
Lined Chub	<i>Hybopsis lineapunctata</i>
Silver Lamprey	<i>Ichthyomyzon unicuspis</i>
Coppercheek Darter	<i>Nothonotus aquali</i>
Tippecanoe Darter	<i>Nothonotus tippecanoe</i>
Saddled Madtom	<i>Noturus fasciatus</i>
Blotchside Logperch	<i>Percina burtoni</i>
Bridled Darter	<i>Percina kusha</i>
Snail Darter	<i>Percina tanasi</i>

(c) Amphibians

Common Name	Scientific Name
Reserved.	Reserved.

(d) Reptiles

Common Name	Scientific Name
Rough Earthsnake	<i>Haldea striatula</i>
Alligator Snapping Turtle	<i>Macrolemys temminckii</i>
Mississippi Green Watersnake	<i>Nerodia cyclopion</i>
Slender Glass Lizard	<i>Ophisaurus attenuatus</i>
Coal Skink	<i>Plestiodon anthracinus</i>
Northern Pine Snake	<i>Pituophis melanoleucus melanoleucus</i>
Pygmy Rattlesnake	<i>Sistrurus miliarius streckeri</i>

(e) Birds

Common Name	Scientific Name
Henslow's Sparrow	<i>Centronyx henslowii</i>
Golden-Winged Warbler	<i>Vermivora chrysoptera</i>
King Rail	<i>Rallus elegans</i>
Least Tern	<i>Sternula antillarum</i>

(f) Mammals

(Rule 1660-01-32-.02, continued)

Common Name	Scientific Name
Little Brown Bat	<i>Myotis lucifugus</i>
Tricolored Bat	<i>Perimyotis subflavus</i>
Eastern Spotted Skunk	<i>Spilogale putorius</i>

(g) Mollusks

Common Name	Scientific Name
Green Floater	<i>Lasmigona subviridis</i>

Authority: T.C.A. §§ 70-1-206, 70-8-104, 70-8-105, 70-8-106, and 70-8-107. **Administrative History:** Original rules filed February 1, 2018; to have been effective May 2, 2018. However, the Government Operations Committee filed a 45-day stay on April 19, 2018; new effective date to have been June 16, 2018. On May 23, 2018, TWRA filed a 75-day stay; new effective date August 30, 2018. Amendments filed March 24, 2021; effective June 22, 2021. Amendments filed September 26, 2024; effective December 25, 2024.

1660-01-32-.03 WILDLIFE IN NEED OF MANAGEMENT LIST AND RULES.

(1) The following species or subspecies are listed as state wildlife in need of management.

(a) Crayfish

Common Name	Scientific Name
Prickly Cave Crayfish	<i>Cambarus hamulatus</i>
Spiny Scale Crayfish	<i>Cambarus jezerinaci</i>
Cocoa Crayfish	<i>Cambarus stockeri</i>
Barren River Crayfish	<i>Faxonius barrenensis</i>

(b) Fish

Common Name	Scientific Name
American Eel	<i>Anguilla rostrata</i>
Highfin Carpsucker	<i>Carpionodes velifer</i>
Tennessee Dace	<i>Chrosomus tennesseensis</i>
Blue Sucker	<i>Cycleptus elongatus</i>
Bigmouth Shiner	<i>Ericymba dorsalis</i>
Emerald Darter	<i>Etheostoma baileyi</i>
Sequatchie Darter	<i>Etheostoma blennioides sequatchiense</i>
Chickasaw Darter	<i>Etheostoma cervus</i>

(Rule 1660-01-32-.03, continued)

Tuckasegee Darter	<i>Etheostoma gutselli</i>
Redband Darter	<i>Etheostoma luteovinctum</i>
Lollypop Darter	<i>Etheostoma neopterum</i>
Egg-mimic Darter	<i>Etheostoma pseudovulatum</i>
Firebelly Darter	<i>Etheostoma pyrrhogaster</i>
Arrow Darter	<i>Etheostoma sagitta</i>
Golden Topminnow	<i>Fundulus chrysotus</i>
Plains Minnow	<i>Hybognathus placitus</i>
Southern Brook Lamprey	<i>Ichthyomyzon gagei</i>
Smallscale Darter	<i>Nothonotus microlepidus</i>
Wounded Darter	<i>Nothonotus vulneratus</i>
Bedrock Shiner	<i>Notropis rupestris</i>
Tennessee Logperch	<i>Percina apina</i>
Frecklebelly Darter	<i>Percina stictogaster</i>
Rifle Minnow	<i>Phenacobius catostomus</i>
Southern Cavefish	<i>Typhlichthys subterraneus</i>

(c) Amphibians

Common Name	Scientific Name
Cumberland Dusky Salamander	<i>Desmognathus abditus</i>
Northern Pygmy Salamander	<i>Desmognathus organi</i>
Junaluska Salamander	<i>Eurycea junaluska</i>
Tennessee Cave Salamander	<i>Gyrinophilus pallescens</i>
Big Mouth Cave Salamander	<i>Gyrinophilus pallescens necturoides</i>
Pale Salamander	<i>Gyrinophilus pallescens pallescens</i>
Four-Toed Salamander	<i>Hemidactylium scutatum</i>
Southern Crawfish Frog	<i>Lithobates areolatus</i>
Cumberland Plateau Salamander	<i>Plethodon kentucki</i>
Weller's Salamander	<i>Plethodon welleri</i>

(d) Reptiles

Common Name	Scientific Name
Smooth Softshell Turtle	<i>Apalone mutica</i>
Timber Rattlesnake	<i>Crotalus horridus</i>
Red-Bellied Mudsake	<i>Farancia abacura</i>

(Rule 1660-01-32-.03, continued)

Eastern Hog-Nosed Snake	<i>Heterodon platirhinos</i>
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(e) Birds

Common Name	Scientific Name
Grasshopper Sparrow	<i>Ammodramus savannarum</i>
Eastern Whip-Poor-Will	<i>Antrostomus vociferus</i>
Chimney Swift	<i>Chaetura pelagica</i>
Little Blue Heron	<i>Egretta caerulea</i>
Least Bittern	<i>Ixobrychus exilis</i>
Loggerhead Shrike	<i>Lanius ludovicianus</i>
Swainson's Warbler	<i>Limnothlypis swainsonii</i>
Black-Crowned Night-Heron	<i>Nycticorax nycticorax</i>
Cerulean Warbler	<i>Setophaga cerulea</i>
Brown-Headed Nuthatch	<i>Sitta pusilla</i>
Bewick's Wren	<i>Thryomanes bewickii</i>

(f) Mammals

Common Name	Scientific Name
Star-Nosed Mole	<i>Condylura cristata</i>
Rafinesque's Big-Eared Bat	<i>Corynorhinus rafinesquii</i>
Eastern Small-Footed Bat	<i>Myotis leibii</i>
Long-Tailed Weasel	<i>Neogale frenata</i>
Southern Appalachian Woodrat	<i>Neotoma floridana haematoreia</i>
Eastern Woodrat	<i>Neotoma floridana illinoensis</i>
Allegheny Woodrat	<i>Neotoma magister</i>
Hairy-Tailed Mole	<i>Parascalops breweri</i>
Eastern Water Shrew	<i>Sorex albibarbis</i>
Long-Tailed Shrew	<i>Sorex dispar</i>
Eastern Pygmy Shrew	<i>Sorex hoyi</i>
Southern Bog Lemming	<i>Synaptomys cooperi</i>
Meadow Jumping Mouse	<i>Zapus hudsonius</i>

Authority: T.C.A. §§ 70-1-206, 70-8-104, 70-8-105, 70-8-106, and 70-8-107. **Administrative History:** Original rules filed February 1, 2018; to have been effective May 2, 2018. However, the Government Operations Committee filed a 45-day stay on April 19, 2018; new effective date to have been June 16, 2018. On May 23, 2018, TWRA filed a 75-day stay; new effective date August 30, 2018. Amendments filed March 24, 2021; effective June 22, 2021. Amendments filed September 26, 2024; effective December 25, 2024.