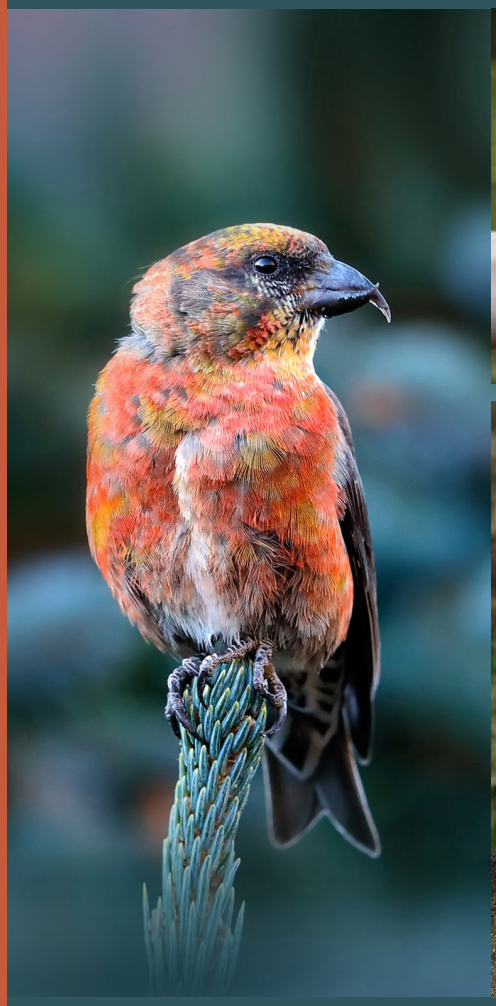
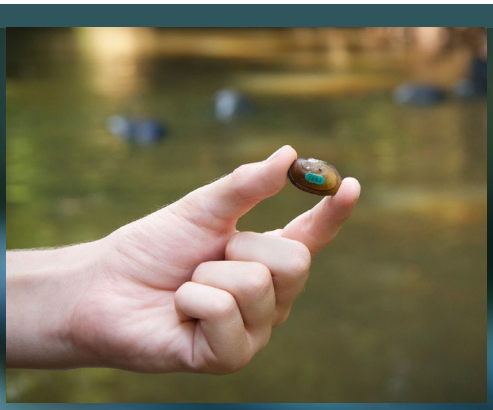
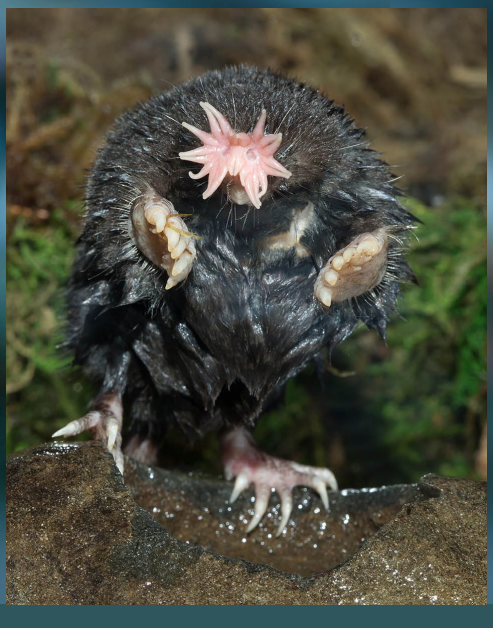
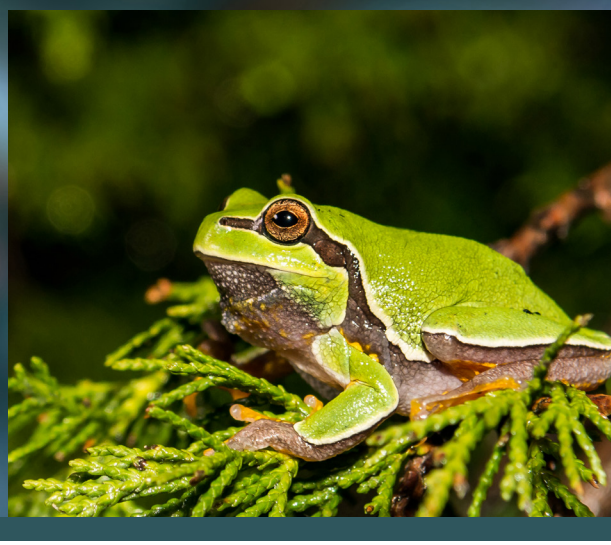
PROTECTED WILDLIFE SPECIES
OF NORTH CAROLINA



North Carolina Wildlife Resources Commission
ncwildlife.org
October 1, 2021

The species listed in this document have been recognized as needing additional conservation by the North Carolina Wildlife Resources Commission under the State Endangered Species Act (G.S. 113-331 to 113-337) and by the U.S. Fish and Wildlife Service, under the Federal Endangered Species Act (16 U.S.C. 1531 to 1543). The N.C. General Statute refers to this list as the Protected Animal List.

This publication was produced by the N.C. Wildlife Resources Commission for informational purposes only. It reflects the most current information available in the NCAC 10I.0100 Endangered and Threatened Species listings.

State-listed species are separated into three categories: North Carolina Endangered; North Carolina Threatened; and North Carolina Special Concern. State designations and their definitions are listed below:

North Carolina Endangered. Any native or once-native species of wild animal whose continued existence as a viable component of the State's fauna is determined by the Wildlife Resources Commission to be in jeopardy or any wild animal determined to be an "endangered species" pursuant to the Federal Endangered Species Act.

North Carolina Threatened. Any native or once-native species of wild animal that is likely to become an endangered species within the forseeable future throughout all or a significant portion of its range or one that is designated as a threatened species pursuant to the Federal Endangered Species Act.

North Carolina Special Concern. Any species of wild animal native or once native to North Carolina that is determined by the Wildlife Resources Commission to require monitoring but that may be taken under regulations adopted under the provisions of Article 25.

Following each species' state listing in this document are the species' federal listing, as designated by the U.S. Fish and Wildlife Service, (if applicable). Federal designations and their definitions are listed below.

Federal Listing Designation Definitions

FE - Federally Listed as Endangered. Any native or once native species of wild animal whose continued existence as a viable component of the state's fauna is determined by the U.S. Fish and Wildlife Service to be in jeopardy or any wild animal determined to be an "endangered animal" pursuant to the Endangered Species Act.

FT - Federally Listed as Threatened. Any native or once native species of wild animal that is likely to become an endangered species within the forseeable future throughout all, or significant portions of its range, or one that is designated "threatened" pursuant to the Endangered Species Act.

Learn more about federally listed species in North Carolina by visiting: fws.gov/raleigh/es_tes.html
Learn more about the U.S. Fish and Wildlife Service's Endangered Species Program by visiting: fws.gov/endangered/

NORTH CAROLINA ENDANGERED SPECIES

FE - Federally Listed as Endangered

Amphibians (4)

Gopher frog (*Rana* [=*Lithobates*] *capito*)
Hickory Nut Gorge green salamander (*Aneides caryaenis*)
Ornate chorus frog (*Pseudacris ornata*)
River frog (*Rana* [=*Lithobates*] *heckscheri*)

Birds (8)

American peregrine falcon (*Falco peregrinus anatum*)
Bewick's wren (*Thryomanes bewickii*)
Common tern (*Sterna hirundo*)
Henslow's sparrow (*Centronyx henslowii)*
Piping plover (*Charadrius melodus circumcinctus*) FE
Red-cockaded woodpecker (*Dryobates borealis*) FE
Roseate tern (*Sterna dougallii dougallii*) FE
Wayne's black-throated green warbler (*Setophaga virens waynei*)

Crustacea (2)

Bennett's Mill cave water slater (*Caecidotea carolinensis*)
Waccamaw crayfish (*Procambarus braswelli*)

Fish (12)

Atlantic Sturgeon (*Acipenser oxyrinchus oxyrinchus*) -
when found in inland fishing waters FE
Blotchside logperch (*Percina burtoni*)
Bridle shiner (*Notropis bifrenatus*)
Cape Fear shiner (*Notropis mekistocholas*) FE
Orangefin madtom (*Noturus gilberti*)
Paddlefish (*Polyodon spathula*)
Roanoke logperch (*Percina rex*) FE
Robust redhorse (*Moxostoma robustum*)
Rustyside sucker (*Thoburnia hamiltoni*)
Sharpnose darter (*Percina oxyrhynchus*)
Shortnose sturgeon (*Acipenser brevirostrum*) -
when found in inland fishing waters as defined in G.S. 113-129(9)a and (9)b FE
Stonecat (*Noturus flavus*)

Hickory Nut Gorge green salamander (J.Apadoca)

Piping plover & chick (Randy G. Lubischer)

Orangefin madtom (NCWRC)

NORTH CAROLINA ENDANGERED SPECIES

FE - Federally Listed as Endangered

Mammals (6)

Carolina northern flying squirrel (*Glaucomys sabrinus coloratus*) FE
Eastern cougar (*Puma concolor*) FE
Gray bat (*Myotis grisescens*) FE
Indiana bat (*Myotis sodalis*) FE
Manatee (*Trichechus manatus*) - when found in inland fishing waters FE
Virginia big-eared bat (*Corynorhinus townsendii virginianus*) FE

Gray bats (Katherine Etchison)

Mollusks (24)

Appalachian elktoe (*Alasmidonta raveneliana*) FE
Barrel floater (*Utterbackiana couperiana*)
Brook floater (*Alasmidonta varicosa*)
Carolina creekshell (*Villosa vaughaniana*)
Carolina heelsplitter (*Lasmigona decorata*) FE
Dwarf wedgemussel (*Alasmidonta heterodon*) FE
Fragile glyph (*Glyphyalinia clingmani*)
Green floater (*Lasmigona subviridis*)
Greenfield rams-horn (*Helisoma eucosmium*)
James spinymussel (*Parvaspina collina*) FE
Knotty elimia (*Elimia christyi*)
Littlewing pearlymussel (*Pegias fabula*) FE
Longsolid (*Fusconaia subrotunda*)
Magnificent rams-horn (*Planorbella magnifica*)
Purple wartyback (*Cyclonaias tuberculata*)
Savannah lilliput (*Toxolasma pullus*)
Slippershell mussel (*Alasmidonta viridis*)
Tan riffleshell (*Epioblasma florentina walkeri*) FE
Tar River spinymussel (*Parvaspina steinstansana*) FE
Tennessee clubshell (*Pleurobema oviforme*)
Tennessee heelsplitter (*Lasmigona holstonia*)
Tennessee pigtoe (*Pleuronaia barnesiana*)
Yellow lampmussel (*Lampsilis cariosa*)

Tar River spinymussels (NCWRC)

Reptiles (6)

Atlantic hawksbill seaturtle (*Eretmochelys imbricata imbricata*) FE
Eastern coral snake (*Micrurus fulvius fulvius*)
Eastern diamondback rattlesnake (*Crotalus adamanteus*)
Kemp's ridley seaturtle (*Lepidochelys kempii*) FE
Leatherback seaturtle (*Dermochelys coriacea*) FE
Mimic glass lizard (*Ophisaurus mimicus*)

Mimic glass lizard (Jeff Hall)

Eastern diamondback rattlesnake (Jeff Hall)

NORTH CAROLINA THREATENED SPECIES

FE - Federally Listed as Threatened

Amphibians (7)

Eastern tiger salamander (*Ambystoma tigrinum tigrinum*)
Green salamander (*Aneides aeneus*)
Junaluska salamander (*Eurycea junaluska*)
Long-tailed salamander (*Eurycea longicauda longicauda*)
Mabee's salamander (*Ambystoma mabeei*)
Pine Barrens treefrog (*Hyla andersonii*)
Wehrle's salamander (*Plethodon wehrlei*)

Birds (8)

Bald eagle (*Haliaeetus leucocephalus*)
Caspian tern (*Hydroprogne caspia*)
Eastern black rail (*Laterallus jamaicensis jamaicensis*) FT
Gull-billed tern (*Gelochelidon nilotica aranea*)
Northern saw-whet owl (*Aegolius acadicus*)
Piping plover (*Charadrius melodus melodus*) FT
Red knot (*Calidris canutus rufa*) FT
Wood stork (*Mycteria americana*) FT

Crustacea (5)

Broad River spiny crayfish (*Cambarus spicatus*)
French Broad crayfish (*Cambarus reburrus*)
Pamlico crayfish (*Procambarus medialis*)
Sandhills crayfish (*Procambarus pearsei*)
South Mountains crayfish (*Cambarus franklini*)

Fish (14)

Bigeye jumprock (*Moxostoma ariommum*)
Carolina madtom (*Noturus furiosus*)
Carolina pygmy sunfish (*Elassoma boehlkei*)
Carolina redhorse (*Moxostoma* sp.)
Least brook lamprey (*Lampetra aepyptera*)
Logperch (*Percina caprodes*)
Mimic shiner (*Notropis volucellus*)
Rosyface chub (*Hybopsis rubrifrons*)
Sharphead darter (*Etheostoma acuticeps*)
Sicklefin redhorse (*Moxostoma* sp.,)
Spotfin chub (*Erimonax monachus*) FT
Turquoise darter (*Etheostoma inscriptum*)
Waccamaw darter (*Etheostoma perlongum*)
Waccamaw silverside (*Menidia extensa*) FT

Pine Barrens treefrog (Jay Ondreicka)

Northern saw-whet owl (Shutterstock)

Red knot (Ray Hennessy)

Sicklefin redhorse (Ray Hennessy)

NORTH CAROLINA THREATENED SPECIES

FE - Federally Listed as Threatened

Mammals (4)

Eastern woodrat (*Neotoma floridana floridana*)
Northern long-eared bat (*Myotis septentrionalis*) FT
Rafinesque's big-eared bat (*Corynorhinus rafinesquii rafinesquii*)
Red wolf (*Canis rufus*)

Mollusks (18)

Alewife floater (*Utterbackiana implicata*)
Atlantic pigtoe (*Fusconaia masoni*) FT
Big-tooth covert (*Fumonelix jonesiana*)
Cape Fear threetooth (*Triodopsis soelneri*)
Creeper (*Strophitus undulatus*)
Eastern lampmussel (*Lampsilis radiata*)
Eastern pondmussel (*Ligumia nasuta*)
Engraved covert (*Fumonelix orestes*)
Mountain creekshell (*Villosa vanuxemensis*)
Noonday globe (*Patera clarki nantahala*) FT
Notched rainbow (*Villosa constricta*)
Rainbow (*Villosa iris*)
Roan supercoil (*Paravitrea varidens*)
Sculpted supercoil (*Paravitrea ternaria*)
Smoky Mountain covert (*Inflectarius ferrissi*)
Tidewater mucket (*Leptodea ochracea*)
Triangle floater (*Alasmidonta undulata*)
Waccamaw ambersnail (*Catinella waccamawensis*)
Yellow Lance (*Elliptio lanceolata*) FT

Reptiles (6)

Bog turtle (*Glyptemys muhlenbergii*) FT
American alligator (*Alligator mississipiensis*) FT
Green seaturtle (*Chelonia mydas*) FT
Loggerhead seaturtle (*Caretta caretta*) FT
Northern pine snake (*Pituophis melanoleucus melanoleucus*)
Southern hognose snake (*Heterodon simus*)

Northern long-eared bat (Dave Thomas)

Yellow lance (NCWRC)

Southern hognose snake (Jeff Hall)

Loggerhead seaturtle hatchling (Sarah Finn)

NORTH CAROLINA SPECIAL CONCERN SPECIES

Amphibians (13)

Crevice salamander (*Plethodon longicrus*)
Dwarf black-bellied salamander (*Desmognathus folkertsi*)
Dwarf salamander (*Eurycea quadridigitata*)
Eastern hellbender (*Cryptobranchus alleganiensis alleganiensis*)
Four-toed salamander (*Hemidactylium scutatum*)
Northern gray treefrog (*Hyla versicolor*)
Mole salamander (*Ambystoma talpoideum*)
Mountain chorus frog (*Pseudacris brachyphona*)
Mudpuppy (*Necturus maculosus*)
Neuse River waterdog (*Necturus lewisi*)
Southern chorus frog (*Pseudacris nigrita*)
Southern zigzag salamander (*Plethodon ventralis*)
Weller's salamander (*Plethodon welleri*)

Eastern hellbender (Lori Williams)

Birds (19)

American oystercatcher (*Haematopus palliatus*)
Bachman's sparrow (*Peucaea aestivalis*)
Barn Owl (*Tyto alba*)
Black-capped chickadee (*Poecile atricapillus*)
Black skimmer (*Rynchops niger*)
Brown creeper (*Certhia americana nigrescens*)
Cerulean warbler (*Setophaga cerulea*)
Glossy ibis (*Plegadis falcinellus*)
Golden-winged warbler (*Vermivora chrysoptera*)
Least bittern (*Ixobrychus exilis*)
Least tern (*Sternula antillarum*)
Little blue heron (*Egretta caerulea*)
Loggerhead shrike (*Lanius ludovicianus*)
Painted bunting (*Passerina ciris*)
Red crossbill (*Loxia curvirostra*)
Snowy egret (*Egretta thula*)
Tricolored heron (*Egretta tricolor*)
Vesper sparrow (*Pooecetes gramineus*)
Wilson's plover (*Charadrius wilsonia*)

Red crossbill (Wang LiQuiang)

Golden-winged warbler (Agami Photo Agency)

NORTH CAROLINA SPECIAL CONCERN SPECIES

Crustacea (9)

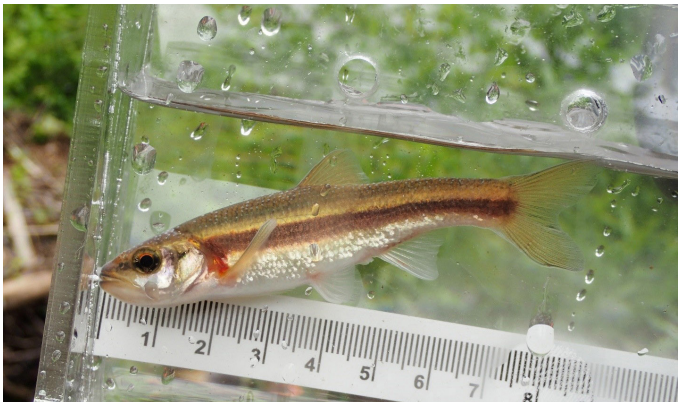
Carolina skistodiaptomus (*Skistodiaptomus carolinensis*)
Carolina well diacyclops (*Diacyclops jeannelli putei*)
Chowanoke crayfish (*Faxonius virginiensis*)
Graceful clam shrimp (*Lynceus gracilicornis*)
Greensboro burrowing crayfish (*Cambarus catagius*)
Hiwassee headwaters crayfish (*Cambarus parrishi*)
Little Tennessee River crayfish (*Cambarus georgiae*)
North Carolina spiny crayfish (*Faxonius carolinensis*)
Oconee stream crayfish (*Cambarus chaugaensis*)

Fish (28)

American brook lamprey (*Lethenteron* appendix)
"Atlantic" Highfin carpsucker (*Carpiodes* sp., c.f. velifer)
Banded sculpin (*Cottus carolinae*)
Blue Ridge sculpin (*Cottus caeruleomentum*)
Blueside darter (*Etheostoma jessiae*)
Broadtail madtom (*Noturus* sp.)
Carolina darter (*Etheostoma collis*)
Cutlip minnow (*Exoglossum maxillingua*)
Freshwater drum (*Aplodinotus grunniens*)
Kanawha minnow (*Phenacobius teretulus*)
Lake sturgeon (*Acipenser fulvescens*)
Least killifish (*Heterandria formosa*)
Mooneye (*Hiodon tergisus*)
Mountain madtom (*Noturus eleutherus*)
Ohio lamprey (*Ichthyomyzon bdellium*)
Olive darter (*Percina squamata*)
Pinewoods darter (*Etheostoma mariae*)
River carpsucker (*Carpiodes carpio*)
Sandhills chub (*Semotilus lumbee*)
Sickle darter (*Percina williamsi*)
Smoky dace (*Clinostomus* sp.)
Striped shiner (*Luxilus chrysocephalus*)
Snubnose darter (*Etheostoma simoterum*)
"Thinlip" chub (*Cyprinella* sp., c.f. zanema)
Waccamaw killifish (*Fundulus waccamensis*)
Westfall's Darter (*Percina westfalli*)
Wounded darter (*Etheostoma vulneratum*)
Yellowfin shiner (*Notropis lutipinnis*)

Chowanoke crayfish (Tyler Black)

Lake sturgeon (Dr. Luke Etchison)



Smoky dace (Dr. Luke Etchison)

NORTH CAROLINA SPECIAL CONCERN SPECIES

Mammals (10)

Allegheny woodrat (*Neotoma magister*)
Buxton Woods white-footed mouse (*Peromyscus leucopus buxtoni*)
Coleman's oldfield mouse (*Peromyscus polionotus colemani*)
Eastern big-eared bat (*Corynorhinus rafinesquii macrotis*)
Eastern small-footed bat (*Myotis leibii leibii*)
Florida yellow bat (*Lasiurus intermedius floridanus*)
Pungo white-footed mouse (*Peromyscus leucopus easti*)
Southeastern bat (*Myotis austroriparius*)
Southern rock vole (*Microtus chrotorrhinus carolinensis*)
Star-nosed mole (*Condylura cristata parva*)

Star-nosed mole (Agnieszka Bacal)

Mollusks (32)

Appalachian gloss (*Zonitoides patuloides*)
Bidentate dome (*Ventridens coelaxis*)
Black mantleslug (*Pallifera hemphilli*)
Blackwater ancylid (*Ferrissia henderson*i)
Blue-foot lancetooth (*Haplotrema kendeighi*)
Cape Fear spike (*Elliptio marsupiobesa*)
Clingman covert (*Fumonelix wheatleyi clingmanicus*)
Dark glyph (*Glyphyalinia junaluskana*)
Dwarf proud globe (*Patera clarki clarki*)
Dwarf threetooth (*Triodopsis fulciden*)
Fringed coil (*Helicodiscus fimbriatus*)
Glossy supercoil (*Paravitrea placentula*)
Great Smoky slitmouth (*Stenotrema depilatum*)
High mountain supercoil (*Paravitrea andrewsae*)
Honey glyph (*Glyphyalinia vanattai*)
Lamellate supercoil (*Paravitrea lamellidens*)
Mirey Ridge supercoil (*Paravitrea clappi*)
Open supercoil (*Paravitrea umbilicaris*)
Pink glyph (*Glyphyalinia pentadelphia*)
Pod lance (*Elliptio folliculata*)
Queen crater (*Appalachina chilhoweensis*)
Ramp Cove supercoil (*Paravitrea lacteodens*)
Ridged lioplax (*Lioplax subcarinata*)
Roanoke slabshell (*Elliptio roanokensis*)
Saw-tooth disc (*Discus bryanti*)
Seep mudalia (*Leptoxis dilatata*)
Spike (*Eurynia dilatata*)
Spiral coil (*Helicodiscus bonamicus*)

Southeastern bats (USFWS)

Spike (NCWRC)

Mollusks (continued)

Velvet covert (*Inflectarius subpalliatus*)
Waccamaw amnicola (*Amnicola* sp.)
Waccamaw siltsnail (*Cincinnatia* sp.)
Wavy-rayed lampmussel (*Lampsilis fasciola*)

Wavy-rayed lampmussel (NCWRC)

Reptiles (13)

Carolina pigmy rattlesnake (*Sistrurus miliarius miliarius*)
Carolina swamp snake (*Seminatrix [=Liodytes] pygaea paludis*)
Carolina water snake (*Nerodia sipedon williamengelsi*)
Cumberland slider (*Trachemys scripta troostii*)
Diamondback terrapin (*Malaclemys terrapin*)
Eastern chicken turtle (*Deirochelys reticularia reticularia*)
Eastern coachwhip (*Masticophis [=Coluber] flagellum flagellum*)
Eastern slender glass lizard (*Ophisaurus attenuatus longicaudus*)
Eastern spiny softshell (*Apalone spinifera spinifera*)
Northern map turtle (*Graptemys geographica*)
Outer Banks kingsnake (*Lampropeltis getula sticticeps*)
Stripeneck musk turtle (*Sternotherus minor peltifer*)
Timber rattlesnake (*Crotalus horridus*)

Eastern coachwhip (Jeff Hall)

NORTH CAROLINA Wildlife RESOURCES COMMISSION

WILDLIFE DIVERSITY PROGRAM
ncwildlife.org/wdp
919-707-0050