

Natural Heritage Program  
List of Rare Animal Species  
of North Carolina

2024

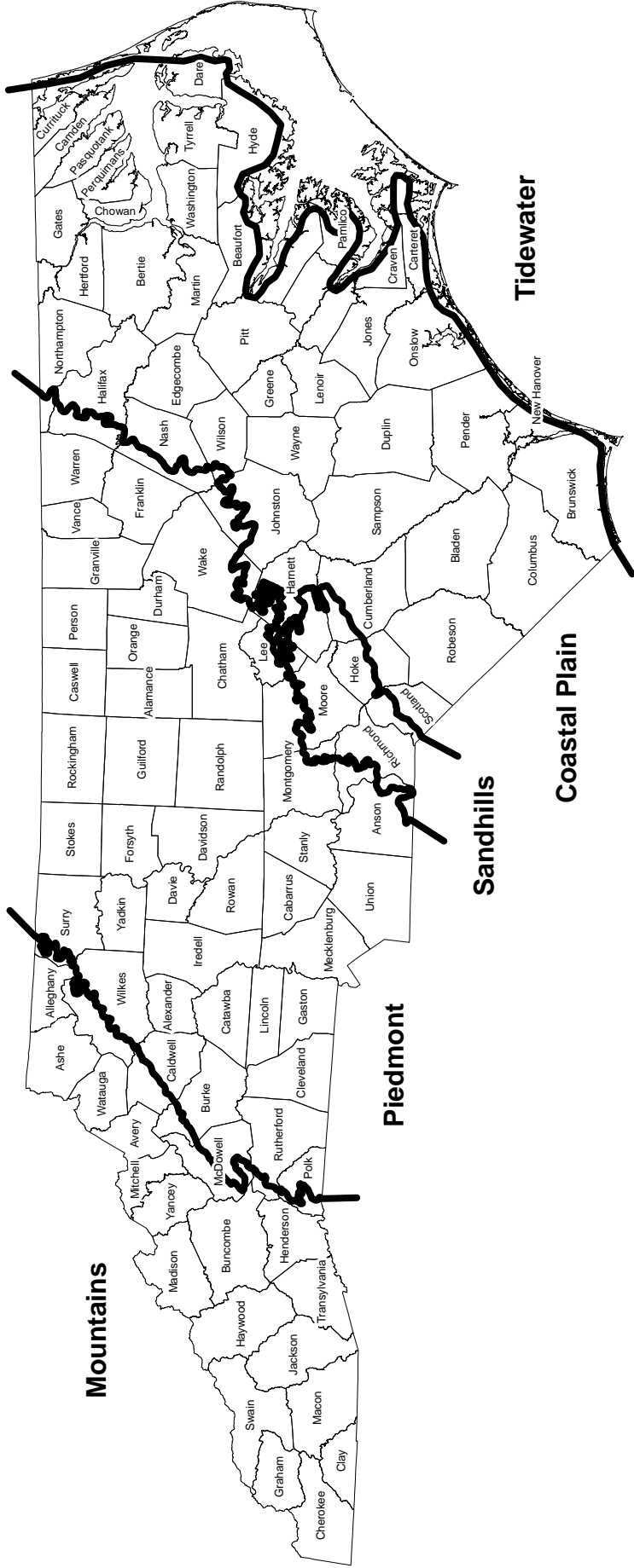


Carolina Pygmy Rattlesnake (*Sistrurus miliarius miliarius*)  
Photo by Nathan Shepard, NCNHP

Compiled by  
Judith Ratcliffe, Zoologist  
Laurie Hamon, Pollinator Biologist  
and Mitch East, Data Manager

North Carolina Natural Heritage Program  
N.C. Department of Natural and Cultural Resources

[www.ncnhp.org](http://www.ncnhp.org)



**THE COUNTIES AND PHYSIOGRAPHIC PROVINCES OF NORTH CAROLINA**

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Raleigh, NC 27699-1651

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This list is dynamic and is revised frequently as new data becomes available. New species are added to the list, and others are dropped from the list as appropriate. The list is published periodically, generally every two years. Further information may be obtained by contacting the North Carolina Natural Heritage Program, Department of Natural and Cultural Resources, 1651 MSC, Raleigh, NC 27699-1651 and the North Carolina Wildlife Resources Commission, 1701 MSC, Raleigh, NC 27699-1701. Additional information on rare species, as well as a digital version of this list, can be obtained from the Natural Heritage Program's website at [www.ncnhp.org](http://www.ncnhp.org).

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## ACKNOWLEDGMENTS

The Endangered, Threatened, and Special Concern species lists of the North Carolina Wildlife Resources Commission make up the majority of vertebrate, mollusk, and crustacean species on the Rare Animal List. Scientific Councils, appointed by the Commission's Nongame Wildlife Advisory Committee, compile recommendations for consideration by the Commission and upon approval these become legally protected species in North Carolina – the efforts of current and former Council members are very much appreciated.

The invertebrate lists have been developed with the assistance of taxa experts: Steve Hall (various groups including land snails, dragonflies and damselflies, moths, and grasshoppers and katydids), John Cooper (crayfishes), Trish MacPherson, Kathy Herring, Dave Lenat, Dave Penrose, Eric Fleek, Steven Beaty, Victor Holland, and Chris Verdone (mayflies, stoneflies, caddisflies, and beetles), Dale Schweitzer (various groups but especially moths), Bo Sullivan (butterflies and moths), and Amy VanDevender (land snails). The dragonfly and damselfly lists were developed through the collection records of Duncan Cuyler, with his data provided to NCNHP by Steve Roble and Bill Mauffray.

Several staff members of the N.C. Natural Heritage Program (NCNHP) were involved in the preparation of this document: Jame Amoroso, Kayla Christianson, and Suzanne Mason entered numerous animal records into the database over the past two years facilitating well informed rank evaluations. Mitch East implemented online access to this document. Misty Franklin, our Director, provided invaluable guidance throughout the list preparation and review of the final draft.

Dr. Harry LeGrand, former NCNHP Vertebrate Zoologist, developed the foundation of the Rare Animal List during his tenure with our program – his efforts are carried forward with greatest appreciation.





# NORTH CAROLINA ANIMAL LIST RARE AND WATCH INTRODUCTION

The North Carolina Natural Heritage Program (NCNHP) conducts and maintains an inventory of known locations of rare animals and plants in the state as part of its mission to support conservation of natural areas. The primary functions of this inventory list are its use 1) in determining priorities for protection of the state's most important natural areas and the animals and plants contained therein, 2) in determining priorities for inventory, and 3) by public agencies, conservation organizations, and private persons for environmental assessment and land management planning.

The NCNHP is charged under the Nature Preserves Act (G.S. 143B-135.250 to -135.272) with compiling and maintaining information relevant to the protection of North Carolina's most important natural areas. NCNHP takes the lead role in North Carolina in the inventory of the state's natural diversity and the identification of important natural areas and rare species habitats. The list incorporates the most recent federal status designations determined by the U.S. Fish and Wildlife Service (USFWS) for all animal taxa native to North Carolina. This list also includes North Carolina legal status information from the N.C. Wildlife Resources Commission (NCWRC). NCWRC is responsible for the listing and protection of the state's nongame species of mammals, birds, reptiles, amphibians, freshwater fishes, mollusks, and crustaceans, under N.C. General Statutes - Chapter 113 Article 25. The NCNHP, NCWRC, and USFWS work cooperatively to ensure the continued survival of all of North Carolina's rich fauna.

Many species that lack formal legal protection are nonetheless imperiled in North Carolina. Therefore, NCNHP collects data on these species in addition to those classified under the protection designations of the USFWS and NCWRC and places them in two categories: Significantly Rare (SR) and Watch List (W). These species receive no special legal protection status; rather, the designation is used to convey information about the species' rarity within the state. The tracking of SR species, along with Endangered, Threatened, and Special Concern species, plays a critical role in how NCNHP evaluates natural areas for their importance in conservation of the state's native biodiversity. These status categories are defined in this list under "N.C. Status."

The North Carolina Animal Watch List includes species that are rare or uncommon, are not well studied, or are otherwise threatened with serious decline but for which current information does not justify placement on the Rare List by the NCNHP. Watch List species can be indicators of significant habitats, and their presence should be considered in planning natural area protection efforts, though obviously with less weight than higher priority rare species and natural communities. The NCNHP maintains digital files on these species but does not include them in its GIS maps or database. Animals placed on this list fall into a number of categories, discussed below. The NCNHP requests additional information about these species in order to clarify their status and reclassify them into other appropriate and more specific categories. Counties of known occurrence are listed for most groups. A few groups, such as birds, are migratory, and thus counties of occurrence will be misleading.

Reasons for the current placement of species on the Watch List rather than at a high rarity status (Endangered, Threatened, Special Concern, or Significantly Rare) vary. The taxonomic validity of some of these species is currently in doubt. For many of them, the NCNHP lacks adequate documentation of their historic or present extent in North Carolina; this is especially true for invertebrates. Others are known to be rare or uncommon in North Carolina but may not be native to the state, and they may or may not be declining. Some others may not necessarily be rare yet, but they are undergoing significant losses of or disturbances to their habitats.

Because of the difficulty in gathering data for marine and estuarine fishes, marine invertebrates, millipedes, scorpionflies, most beetles, ants, and annelids, these animals are no longer tracked or included on the Rare or Watch lists.

NCNHP requests your assistance in acquiring locality and population data on the species listed in this publication - data contribution forms can be filled out on our website (<https://www.ncnhp.org/share-data/contribute-nhp-database>).

For the most current information about the range of tracked species in North Carolina, visit the Species/Community Search tool (<https://www.ncnhp.org/data/speciescommunity-search>). Information, including maps and datasets, on animals, plants, and communities nationwide may be found on NatureServe Explorer ([www.natureserve.org](http://www.natureserve.org)).

## EXPLANATION OF STATUS AND RANK CODES FOR ANIMALS

### Status Codes

In North Carolina, all state status (Endangered, Threatened, and Special Concern) changes must be approved by the N.C. Wildlife Resources Commission (NCWRC) and published in the State Register for public comment. These taxa are given state protection under the State Endangered Species Act (G.S. 113-331 to 113-337). Significantly Rare and Watch List are NCNHP designations only, not affording official state protection. Former Watch List Status Codes (pre-2024) are shown in parentheses.

United States Status is designated by the U.S. Fish and Wildlife Service (USFWS) and the U.S. National Marine Fisheries Service (USNMFS) in accordance with the U.S. Endangered Species Act of 1973 (USESA), as amended.

### N.C. STATUS - ANIMALS

N.C. STATUS CODE	STATUS	DEFINITION
E	Endangered	Any native or once-native species of wild animal whose continued existence as a viable component of the state's fauna is determined to be in jeopardy or any species of wild animal determined to be an Endangered species pursuant to the Endangered Species Act. (G.S. 113-25.)
T	Threatened	Any native or once-native species of wild animal which is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range, or one that is designated as a Threatened species pursuant to the Endangered Species Act. (G.S. 113-25.)
SC	Special Concern	Any species of wild animal native or once-native to North Carolina which is determined by the NCWRC to require monitoring, but which may be taken under regulations adopted under the provisions of the Article. (G.S.113-25)
SR	Significantly Rare	Any species which has not been listed as an Endangered, Threatened, or Special Concern species, but which exists in the state (or recently occurred in the state) in small numbers and has been determined by the NCNHP to need monitoring. Significantly Rare species include species of historical occurrence with some likelihood of rediscovery in the state and species substantially reduced in numbers by habitat destruction, direct exploitation, or disease.
SR-G	Significantly Rare-Game	Species is a game animal or a furbearer, and therefore (by law) cannot be listed for state protection as E, T, or SC.

N.C. STATUS CODE	STATUS	DEFINITION
W-PD (W1)	Population Decline in NC	Species that are known to be <b>declining in North Carolina for reasons beyond habitat loss</b> . The distribution or population sizes of such species in the state are relatively well-known. Reasons for decline include exotic pests or pathogens, over-collection, poaching, and failure of reproduction. Because many of these taxa were once abundant or even dominant in parts of N.C., they may still be fairly common or frequently encountered, despite the strong decline. If current trends continue, however, many of these species will be threatened with extirpation in all or a major part of their ranges in N.C.
W-TH (W5)	Threat To Habitat	Species with increasing threats to their habitat but not yet warranting active tracking, whether or not populations are known to be declining. These threats can include loss of habitat from development and other modification (e.g., the dramatic loss of maritime forests), degradation of habitat (e.g., pollution and sedimentation of rivers and streams), and disturbance to the habitat (e.g., humans and vehicles on beaches), among other types of threats. Threats include use of pesticides, acid rain, and fire suppression.
W-PK (W3)	Poorly Known in NC	Species with inadequate information about their distribution and rarity in N.C. These are generally species which appear to be rare based on museum records and field experience of NCNHP staff, consultants, and cooperating scientists. Further information is needed to determine the true status of these species in N.C.
W-RS (W2)	Rare but Relatively Secure	Species whose status in N.C. is relatively well known and appear to be relatively secure at this time. While still notably rare, these species do not currently require site-specific monitoring and so are not on the Rare List. Many of these species were formerly on the Rare List; they are retained in this category because they require a lower level of monitoring to ensure their long-term security.
W-QD (W4)	Rare but Questionable Documentation	Species that have been reported from N.C. without adequate documentation. These species should be listed at a higher level when their reported occurrence in N.C. is verified. This category includes sight records, old and vague reports for which no documentation has appeared, and, in a few cases, more recent literature reports for which we have not yet received documentation.

N.C. Status Code	STATUS	DEFINTION
W-QT (NEW)	Rare but Questionable Taxonomy	Species that include taxa of dubious validity and taxa under study and potentially to be named. If further study reveals that these are valid taxa, they would warrant addition to the Rare List. This category has been used for named and unnamed taxa that appear likely to achieve recognition by accepted taxonomic authorities.
W-NN (W6)	Rare but Believed Not Native	Species known to occur in N.C. that current data suggest are not native to N.C. but whose native occurrence is plausible. Some of these species were previously listed at a higher level, but field and/or genetic investigations suggest that all known N.C. occurrences are introductions.

## U.S. STATUS - ANIMALS

U.S. STATUS CODE	STATUS	DEFINITION
E	Endangered	A taxon that is in danger of extinction throughout all or a significant portion of its range (Public Law 93-205 87 Stat. 884).
T	Threatened	A taxon that is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range (Public Law 93-205 87 Stat. 884).
C	Candidate	Taxa for which the USFWS has on file enough substantial information on biological vulnerability and threat(s) to support proposals to list them as endangered or threatened. Proposed rules have not yet been issued because this action is precluded at present by other listing activity. Development and publication of proposed rules on these taxa are anticipated. The USFWS encourages state and other federal agencies as well as other affected parties to give consideration to these taxa in environmental planning (Federal Register, 28 February 1996). Taxa formerly considered "Category 1" are now considered "Candidate."
BGPA	Bald and Golden Eagle Protection Act	The Bald and Golden Eagle Protection Act (16U.S.C. 668-668d) prohibits take of bald and golden eagles and provides a statutory definition of "take" that includes "disturb." The USFWS has developed National Bald Eagle Management Guidelines to provide guidance to land managers, landowners, and others as to how to avoid disturbing bald eagles. For additional information please see: <a href="https://www.fws.gov/program/eagle-management">https://www.fws.gov/program/eagle-management</a> .
EXP	Experimental Population	A taxon listed as experimental (either essential or nonessential). Experimental, nonessential populations of endangered species (e.g., red wolf) are treated as threatened species on public land, for consultation purposes, and a species proposed for listing on private land.
P_	Proposed	Species proposed in the Federal Register as a status different from its current federal status.

U.S. STATUS CODE	STATUS	DEFINITION
T (S/A)	Threatened due to Similarity of Appearance	Section 4(e) of the USESA authorizes the treatment of a species (subspecies or population segment) as endangered or threatened even though it is not otherwise listed as endangered or threatened if (a) the species so closely resembles in appearance an endangered or threatened species that enforcement personnel would have substantial difficulty in differentiating between the listed and unlisted species, (b) the effect of this substantial difficulty is an additional threat to an endangered or threatened species, and (c) such treatment of an unlisted species will substantially facilitate the enforcement and further the policy of the USESA [Federal Register 4 November 1997, Volume 62(213):59605-59623].
T-4(d)	Threatened with a 4(d) rule	Section 4(d) of the ESA allows special regulations for threatened species that modify normal ESA protections when it is determined that such a modification is necessary and advisable to provide for the conservation of that species. A 4d rule is specific to the particular plant or animal for which it was created. For additional information please see: <a href="https://www.fws.gov/node/267756">https://www.fws.gov/node/267756</a>

## Ranking System

Natural Heritage Programs and the NatureServe Network have developed a consistent method for evaluating the relative imperilment of both species and ecological communities. These assessments lead to the designation of a conservation rank. These ranks provide an estimate of extinction risk. Conservation rank values have been assigned over the past 30 years by the NCNHP, NatureServe, and a large number of collaborators in government agencies, universities, natural history museums, botanical gardens, and other conservation organizations. This information has been developed primarily to help in guiding conservation and informing environmental planning and management.

Conservation ranks are either state (S) or global (G) and are based on a one-to-five scale, ranging from critically imperiled (S1 or G1) to demonstrably secure (S5 or G5). These assessments are based on the best available information, considering a variety of factors such as abundance, distribution, population trends, and threats. Global ranks apply to the species throughout its range. The system is widely used as the best available scientific and objective assessment of a species' imperilment throughout its range.

A rank involving two numbers indicates uncertainty. For example, an S2S3 or a G2G3 rank indicates that the species may be S2 or S3 (or G2 or G3) but that existing data do not allow that determination to be made.

### N.C. RANK – ANIMALS

N.C. RANK	DESIGNATION	DESCRIPTION
S1	Critically Imperiled	At very high risk of extirpation in the state due to very restricted range, very few populations or occurrences, very steep declines, severe threats, or other factors.
S2	Imperiled	At high risk of extirpation in the state due to restricted range, few populations or occurrences, steep declines, severe threats, or other factors.
S3	Vulnerable	At moderate risk of extirpation in the state due to fairly restricted range (even if abundant at some locations), relatively few populations or occurrences, recent and widespread declines, threats, or other factors.
S4	Apparently Secure	At low risk of extirpation in the state due to an extensive range and/or many populations or occurrences but with possible cause for some concern as a result of local recent declines, threats, or other factors.
S5	Secure	At very low risk or no risk of extirpation in the state due to a very extensive range, abundant populations or occurrences, with little to no concern from declines or threats.



N.C. RANK	DESIGNATION	DESCRIPTION
SH	Historical	Of historical occurrence, with some expectation that it may be rediscovered. Its presence may not have been verified in the past 20 years. Upon verification of an extant occurrence, SH-ranked elements would typically receive an S1 rank.
SX	Presumed Extirpated	Believed to be extirpated. Has not been located despite intensive searches of historical sites and other appropriate habitat, and virtually no likelihood that it will be rediscovered.
SU	Unrankable	Currently unrankable due to lack of information or substantially conflicting information about status or trends. More information is needed.
SNR	Not Ranked	Statewide rank not yet assessed.
SNA	Not Applicable	<p>A conservation status rank is not applicable because the element is not a suitable target for conservation for one of these reasons:</p> <ul style="list-style-type: none"> <li>• Hybrid - an interspecific hybrid without conservation value;</li> <li>• Exotic Origin - not native to North Carolina;</li> <li>• Accidental/Nonregular - outside usual range and not regularly found in North Carolina;</li> <li>• Not Confidently Present - never documented as present in NC;</li> <li>• Synonym - the taxon is not recognized by the NCNHP.</li> </ul>
S_B	Breeding	Rank of the breeding population in the state. Used for migratory species only. Ex: Bachman's sparrow ( <i>Peucaea aestivalis</i> ) is S3B,S2N).
S_N	Nonbreeding	Rank of the nonbreeding population in the state. Used for migratory species only. Ex: Bachman's sparrow.
S_?	Uncertain	Denotes inexact or uncertain numeric rank.

**GLOBAL RANK -  
ANIMALS**

GLOBAL RANK	DESIGNATION	DESCRIPTION
G1	Critically Imperiled	At very high risk of extinction due to very restricted range, very few populations or occurrences, very steep declines, severe threats, or other factors.
G2	Imperiled	At high risk of extinction due to restricted range, few populations or occurrences, steep declines, severe threats, or other factors.
G3	Vulnerable	At moderate risk of extinction due to fairly restricted range (even if abundant at some locations), relatively few populations or occurrences, recent and widespread declines, threats, or other factors.
G4	Apparently Secure	At low risk of extinction due to an extensive range and/or many populations or occurrences but with possible cause for some concern as a result of local recent declines, threats or other factors. Uncommon but not rare (although it may be rare in parts of its range, particularly on the periphery) and usually widespread.
G5	Secure	At very low risk or no risk of extinction due to a very extensive range, abundant populations or occurrences, with little to no concern from declines or threats. Common, widespread, and abundant (although it may be rare in parts of its range, particularly on the periphery). Not vulnerable in most of its range.
GH	Historical	Known only from historical occurrences, but with some expectation that it may be rediscovered. May still be extant; further searching is needed.
GX	Presumed Extinct	Believed to be extinct throughout its range (e.g., passenger pigeon) with virtually no likelihood that it will be rediscovered. Not located despite intensive searches of historical sites and other appropriate habitat and virtually no likelihood of rediscovery.
GU	Unrankable	Currently unrankable due to lack of information or due to substantially conflicting information about status or trends; need more information.
GNR	Not Ranked	Global rank not yet assessed.
G_T -	Subspecies or Variety Rank	The status of infraspecific taxa (subspecies or varieties) are indicated by "T-rank" following the species' global rank. T-ranks follow the same principles outlined above. As an example, G4T1 would apply to a subspecies of a species with an overall rank of G4, but the subspecies warranting a rank of G1.

GLOBAL RANK	DESIGNATION	DESCRIPTION
G_?	Uncertain	Denotes inexact or uncertain numeric rank.
G_Q	Questionable Taxonomy	Taxonomic classification that may reduce conservation priority. Distinctiveness of this entity as a taxon at the current level is questionable. Resolution of this uncertainty may result in change from a species to a subspecies or inclusion of this taxon in another taxon, with the resulting element having a lower-priority conservation status rank.

**Physiographic Province/Region.** The provinces/regions in which the species is known to occur are indicated. This should not be regarded as the only province(s) or regions(s) of the state in which the species could occur; our knowledge of the fauna of North Carolina is still very imperfect. The provinces are abbreviated as follows:

ABBREVIATION	PROVINCE/REGION	DESCRIPTION
M	Mountains (Blue Ridge)	All parts of North Carolina west of the foot of the Blue Ridge Escarpment.
P	Piedmont	All parts of North Carolina east of the foot of the Blue Ridge Escarpment and west of the Fall Line, including outlying "foothill" ranges, such as the Brushy, Uwharrie, Sauratown, and South mountains. This province is shallowly underlain by crystalline metamorphic, igneous, or (rarely) consolidated sedimentary rocks.
C	Coastal Plain	All parts of North Carolina east of the Fall Line, but excluding the Sandhills region and those portions associated with Tidewater. Generally consisting of unconsolidated sands, silts, clays, and peats, though rarely shallowly underlain by consolidated coquina limestone ("marl").
S	Sandhills	Portions of Cumberland, Harnett, Hoke, Lee, Moore, Richmond, Scotland, and Montgomery counties consisting mostly of deep aeolian sands of the Middendorf and Pinehurst formations (Cretaceous to Tertiary age). The Sandhills are really part of the coastal plain but are here distinguished because of their distinctive geomorphology and vegetation. Areas somewhat resembling the Sandhills region but occurring in other parts of the state (such as Carolina bay rims and aeolian or beach ridge deposits in the outer Coastal Plain) are considered part of the Coastal Plain Province.
T	Tidewater	Areas associated with tidal water, such as the ocean and barrier islands, sounds, estuaries, and mainland brackish or salt marshes.

**Habitat.** The known habitats are described; as with provinces, these should not be regarded as the only possible habitats of the species in the state.

**Counties of Known Occurrence.** Following the description of habitats is a listing of the known counties of occurrence in the NCNHP database. We request information about any new occurrences in the state. County names are followed by symbols (defined below) if the species has not been recently verified within the county.

*	All recorded occurrences in the county are either extirpated, have not been found in recent surveys, or have not been surveyed recently enough to be confident they are still present. Unsurveyed occurrences are regarded as historical after 20-40 years, the number of years depending on the species and the amount of habitat alteration in the area. An asterisk should not be regarded as a definitive statement that the species is gone from the county but indicates that its continued existence is uncertain.
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The zoological exploration of North Carolina is far from complete, and many additional county records will be found, generally (but not always) in proximity to counties listed. Visit the Natural Heritage Program website for the most up-to-date county occurrence information: [www.ncnhp.org](http://www.ncnhp.org).

### LIST FORMAT

Species are grouped by major taxa. Vertebrate animals are arranged by class, beginning with the most phylogenetically advanced (mammals). Within a given taxon, species are listed alphabetically by scientific name. The following information is presented for each species on the list: N.C. Status, U.S. Status, N.C. Rank, Global Rank, Physiographic Province/Region, Habitat, and Counties of Occurrence.

## NUMBER OF ANIMAL TAXA BY STATUS

Numbers in the table indicate number of taxa – generally species as well as valid unique varieties and subspecies – for each group and status. Because many taxa have both an N.C. and a U.S. status, totals cannot be added across a complete line. The total number of species in North Carolina is an estimate of the species that do occur or have occurred at one time in the state (table updated 2024-11-26).

GROUP	COUNT *	N.C. STATUS				U.S. STATUS		
		E	T	SC	SR	E	T	Other
Mammals	126	7	4	9	8	5	1	1 E, XN, 1 PE
Birds	488	7	9	18	26	2	5	2 BGPA
Reptiles	75	7	9	17	3	2	2 T, 2 T(S/A)	-
Amphibians	112	7	14	15	14	-	1	-
Freshwater Fishes	257	13	17	29	18	5	3	2 C
Freshwater Bivalves	85	17	12	6	6	7	3	2 PE, 1 PT
Gastropods	250+	4	8	26	52	1	1	-
Arachnids	?	-	-	-	13	1	-	-
Crustaceans	?	2	5	9	12	-	-	-
Mayflies	?	-	-	-	21	-	-	-
Stoneflies	?	-	-	-	35	-	-	-
Caddisflies	?	-	-	-	20	-	-	-
Dragonflies and Damselflies	190	-	-	-	38	-	-	-
Butterflies	178	-	-	-	39	1	-	1 PE
Moths	3000	-	-	-	113	-	-	-
Grasshoppers and Katydid	250+	-	-	-	22	-	-	-
Beetles	308+	-	-	-	10	1	-	-
True Bugs	?	-	-	-	1	-	-	-
Flies	?	-	-	-	1	-	-	-
Bees	?	-	-	-	10	1	-	-
<b>Totals</b>	---	64	78	129	462	26	18	10

\* Approximate number known from North Carolina, numbers based on NCNHP data and NC Biodiversity Project estimates (<https://nc-biodiversity.com/>)

12/12/2024

NCNHP 2024 Rare Animal List

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SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
<b>Vertebrates</b>					
<b>Mammals</b>					
<i>Canis rufus</i>	Red Wolf	T	E, XN	S1	G1
<i>Condylura cristata</i> pop. 1	Star-nosed Mole - Coastal Plain population	SC		S2	G5T2Q
<i>Corynorhinus rafinesquii macrotis</i>	Eastern Big-eared Bat	SC		S3	G3G4T3
<i>Corynorhinus rafinesquii rafinesquii</i>	Rafinesque's Big-eared Bat	T		S2	G3G4T3
<i>Corynorhinus townsendii virginianus</i>	Virginia Big-eared Bat	E	E	S1	G4T3
<i>Glaucomys sabrinus coloratus</i>	Carolina Northern Flying Squirrel	E	E	S2	G5T2
<i>Lasiurus cinereus</i>	Hoary Bat	SR		S3S4	G3G4
<i>Lasiurus intermedius floridanus</i>	Florida Yellow Bat	SC		S1	G5T4
<i>Lasiurus seminolus</i>	Seminole Bat	W-RS		S3	G5
<i>Microtus chrotorrhinus carolinensis</i>	Southern Rock Vole	SC		S3	G5T3
<i>Mustela nivalis</i>	Least Weasel	SR-G		S2	G5
<i>Myotis austroriparius</i>	Southeastern Bat	SC		S2	G4
<i>Myotis grisescens</i>	Gray Bat	E	E	S1	G3G4
<i>Myotis leibii</i>	Eastern Small-footed Bat	SC		S2	G4
<i>Myotis lucifugus</i>	Little Brown Bat	E		S2	G3G4
<i>Myotis septentrionalis</i>	Northern Long-eared Bat	E	E	S2	G2G3
<i>Myotis sodalis</i>	Indiana Bat	E	E	S1S2	G2
<i>Neogale frenata</i>	Long-tailed Weasel	W-PK		S3	G5
<i>Neotoma floridana floridana</i>	Eastern Woodrat	T		S1	G5T5
<i>Neotoma floridana haematorea</i>	Southern Appalachian Eastern Woodrat	W-RS		S3S4	G5T4Q
<i>Neotoma magister</i>	Allegheny Woodrat	SC		S2S3	G3G4
<i>Perimyotis subflavus</i>	Tricolored Bat	E	PE	S3	G3G4
<i>Peromyscus leucopus buxtoni</i>	Buxton Woods White-footed Deermouse	SC		S1	G5T1
<i>Peromyscus polionotus</i>	Oldfield Deermouse	SC		S1	G5
<i>Puma concolor cougar</i>	Eastern Cougar	E, W-QD	DL	SX	G5TXQ
<i>Sciurus niger</i>	Eastern Fox Squirrel	W-RS		S3	G5
<i>Sorex albibarbis</i>	Eastern Water Shrew	SR		S3	G5
<i>Sorex dispar blitchi</i>	Southern Rock Shrew	SR		S3	G4T3T4
<i>Sorex hoyi</i>	Eastern Pygmy Shrew	W-RS		S3	G5
<i>Sorex</i> sp. 1	a shrew (Albemarle-Pamlico Peninsula)	W-PK		S1S2	G2Q
<i>Spilogale putorius</i>	Eastern Spotted Skunk	SR-G		S3	G4
<i>Sylvilagus aquaticus</i>	Swamp Rabbit	W-QD		SU	G5
<i>Sylvilagus obscurus</i>	Appalachian Cottontail	SR-G		S3	G4
<i>Synaptomys cooperi helaletes</i>	Dismal Swamp Southern Bog Lemming	SR		S2S3	G5T3
<i>Synaptomys cooperi stonei</i>	Stone's Southern Bog Lemming	W-RS		S3	G5TNR
<i>Trichechus manatus</i>	West Indian Manatee	T	T	S1N	G2G3
<i>Zapus hudsonius</i>	Meadow Jumping Mouse	SR		S1	G5

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
<b>Birds</b>					
<i>Accipiter striatus</i>	Sharp-shinned Hawk	SR		S1B,S4N	G5
<i>Aegolius acadicus</i>	Northern Saw-whet Owl	T		S2B,S2N	G5
<i>Ammodramus henslowii</i>	Henslow's Sparrow	E		S1B,S1N	G4
<i>Ammodramus savannarum</i>	Grasshopper Sparrow	W-PD, W-TH		S3B,S1N	G5
<i>Ammospiza caudacuta</i>	Saltmarsh Sparrow	SR		SUB,S2N	G2
<i>Anas discors</i>	Blue-winged Teal	W-PK		SHB,S2N	G5
<i>Anhinga anhinga</i>	Anhinga	W-RS		S3B	G5
<i>Antrostomus carolinensis</i>	Chuck-will's-widow	W-PD		S4B	G5
<i>Antrostomus vociferus</i>	Eastern Whip-poor-will	W-PD		S3B	G5
<i>Aquila chrysaetos</i>	Golden Eagle	SR	BGPA	SUB,S2N	G5
<i>Asio flammeus</i>	Short-eared Owl	W-PK		SUB,S3N	G5
<i>Botaurus lentiginosus</i>	American Bittern	SR		S1B,S3N	G5
<i>Calidris canutus rufa</i>	Red Knot - rufa subspecies	T	T	S2N	G4T2
<i>Catharus guttatus</i>	Hermit Thrush	SR		S3B,S5N	G5
<i>Catharus ustulatus</i>	Swainson's Thrush	SR		S1B,S5N	G5
<i>Certhia americana</i>	Brown Creeper	SC		S3B,S5N	G5
<i>Chaetura pelagica</i>	Chimney Swift	W-PD		S4B	G4G5
<i>Charadrius melodus circumcinctus</i>	Piping Plover - Interior subspecies	E	E	S1N	G3T3
<i>Charadrius melodus melodus</i>	Piping Plover - Atlantic Coast subspecies	T	T	S1B,S1N	G3T3
<i>Charadrius wilsonia</i>	Wilson's Plover	SC		S2B	G5
<i>Chondestes grammacus</i>	Lark Sparrow	SR		S1B	G5
<i>Chordeiles minor</i>	Common Nighthawk	W-PD		S2S3B	G5
<i>Circus hudsonius</i>	Northern Harrier	SR		S1B,S4N	G5
<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo	SR		S2B	G5
<i>Columbina passerina</i>	Common Ground Dove	SR		SXB	G5
<i>Contopus cooperi</i>	Olive-sided Flycatcher	W-PK		SU	G4
<i>Corvus corax</i>	Common Raven	W-RS		S3	G5
<i>Dolichonyx oryzivorus</i>	Bobolink	SR		S1B	G5
<i>Dryobates borealis</i>	Red-cockaded Woodpecker	E	T	S2	G3
<i>Egretta caerulea</i>	Little Blue Heron	SC		S3B,S3N	G5
<i>Egretta thula</i>	Snowy Egret	SC		S2S3B,S3N	G5
<i>Egretta tricolor</i>	Tricolored Heron	SC		S2B,S3N	G5
<i>Elanoides forficatus</i>	Swallow-tailed Kite	SC		S1B	G5
<i>Empidonax alnorum</i>	Alder Flycatcher	SR		S2B	G5
<i>Empidonax minimus</i>	Least Flycatcher	W-RS		S3B	G5
<i>Empidonax traillii</i>	Willow Flycatcher	W-RS		S3B	G5
<i>Eudocimus albus</i>	White Ibis	W-RS		S3B,S3N	G5
<i>Euphagus carolinus</i>	Rusty Blackbird	T, W-PD		S3N	G4
<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E		S1B,S2N	G4T4
<i>Falco sparverius</i>	American Kestrel	SR		S2B,S5N	G5
<i>Gallinula galeata</i>	Common Gallinule	W-RS		S3B,S2N	G5
<i>Gelochelidon nilotica</i>	Gull-billed Tern	T		S2B	G5
<i>Geothlypis philadelphia</i>	Mourning Warbler	W-PK		SNA	G5
<i>Haematopus palliatus</i>	American Oystercatcher	SC		S3B,S3N	G5
<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	BGPA	S3B,S3N	G5



SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
<b>Birds</b>					
<i>Helmitheros vermivorum pop. 1</i>	Worm-eating Warbler - Coastal Plain Population	W-TH		S3B	G5TNRQ
<i>Himantopus mexicanus</i>	Black-necked Stilt	SR		S1B	G5
<i>Hydroprogne caspia</i>	Caspian Tern	T		S2B,S1N	G5
<i>Ixobrychus exilis</i>	Least Bittern	SC		S3B	G4
<i>Lanius ludovicianus</i>	Loggerhead Shrike	SC, W-RS		S2S3B,S3N	G4
<i>Laterallus jamaicensis</i>	Black Rail	T	T	S1	G3
<i>Lophodytes cucullatus</i>	Hooded Merganser	W-PK		S1B,S4N	G5
<i>Loxia curvirostra</i>	Red Crossbill	SC		S2	G5
<i>Mergus merganser</i>	Common Merganser	W-PK		S1B,S1N	G5
<i>Mycteria americana</i>	Wood Stork	T	T	S1B,S1N	G4
<i>Nyctanassa violacea</i>	Yellow-crowned Night-Heron	SR		S2B	G5
<i>Nycticorax nycticorax</i>	Black-crowned Night-Heron	W-PD		S3B,S3N	G5
<i>Onychoprion fuscatus</i>	Sooty Tern	W-RS		SHB,S3N	G5
<i>Passerculus sandwichensis</i>	Savannah Sparrow	SR		S2B,S5N	G5
<i>Passerina ciris</i>	Painted Bunting	SC		S2B	G5
<i>Pelecanus occidentalis</i>	Brown Pelican	SR		S2B,S4N	G4
<i>Peucaea aestivalis</i>	Bachman's Sparrow	SC		S3B,S2N	G3
<i>Phalacrocorax auritus</i>	Double-crested Cormorant	SR		S2B,S5N	G5
<i>Plegadis falcinellus</i>	Glossy Ibis	SC		S1S2B	G5
<i>Podilymbus podiceps</i>	Pied-billed Grebe	W-RS		S3B,S5N	G5
<i>Poecile atricapillus</i>	Black-capped Chickadee	SC		S3	G5
<i>Pooecetes gramineus</i>	Vesper Sparrow	SC		S2B,S2N	G5
<i>Porphyrio martinicus</i>	Purple Gallinule	SR		S1B	G5
<i>Rallus elegans</i>	King Rail	W-PD, W-PK		S3B,S3N	G4
<i>Rallus limicola</i>	Virginia Rail	W-PK		S3B,S5N	G5
<i>Regulus satrapa</i>	Golden-crowned Kinglet	W-RS, W-TH		S3S4B,S5N	G5
<i>Riparia riparia</i>	Bank Swallow	SR		S1B	G5
<i>Rynchops niger</i>	Black Skimmer	T		S2B,S3N	G5
<i>Setophaga cerulea</i>	Cerulean Warbler	SC		S2B	G4
<i>Setophaga coronata</i>	Yellow-rumped Warbler	SR		S1B,S5N	G5
<i>Setophaga magnolia</i>	Magnolia Warbler	SR		S2B	G5
<i>Setophaga virens waynei</i>	Wayne's Black-throated Green Warbler	E		S2B	G5T1
<i>Sitta canadensis</i>	Red-breasted Nuthatch	W-RS, W-TH		S3B,S4N	G5
<i>Sphyrapicus varius</i>	Yellow-bellied Sapsucker	SR		S2B,S5N	G5
<i>Spinus pinus</i>	Pine Siskin	W-PK		S1B,S3N	G5
<i>Spiza americana</i>	Dickcissel	SR		S2B	G5
<i>Sterna dougallii dougallii</i>	Roseate Tern	E	E	SHB	G4T3
<i>Sterna forsteri</i>	Forster's Tern	W-RS		S3B,S5N	G5
<i>Sterna hirundo</i>	Common Tern	E		S2B	G5
<i>Sternula antillarum</i>	Least Tern	SC		S3B	G4
<i>Troglodytes hiemalis</i>	Winter Wren	W-RS, W-TH		S3B,S5N	G5
<i>Tyrannus forficatus</i>	Scissor-tailed Flycatcher	W-PK		SUB	G5
<i>Tyto alba</i>	Barn Owl	SC		S2S3B,S3N	G5
<i>Vermivora chrysoptera</i>	Golden-winged Warbler	SC		S2S3B	G4
<i>Vermivora cyanoptera</i>	Blue-winged Warbler	SR		S2B	G5
<i>Vireo gilvus</i>	Warbling Vireo	SR		S2B	G5

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
<b>Reptiles</b>					
<i>Alligator mississippiensis</i>	American Alligator	T	T(S/A)	S3	G5
<i>Apalone spinifera aspera</i>	Gulf Coast Spiny Softshell	W-RS		S3	G5T5
<i>Apalone spinifera spinifera</i>	Eastern Spiny Softshell	SC		S1	G5T5
<i>Caretta caretta</i>	Loggerhead Sea Turtle	T	T	S2B	G2G4
<i>Cemophora coccinea</i>	Scarlet Snake	W-PD, W-TH		S3	G5
<i>Chelonia mydas</i>	Green Sea Turtle	T	T	S1B	G3
<i>Clemmys guttata</i>	Spotted Turtle	W-PD		S4	G5
<i>Coluber flagellum flagellum</i>	Eastern Coachwhip	SC		S2	G5T5
<i>Crotalus adamanteus</i>	Eastern Diamondback Rattlesnake	E		S1	G3
<i>Crotalus horridus</i>	Timber Rattlesnake	SC		S3	G4
<i>Deirochelys reticularia reticularia</i>	Eastern Chicken Turtle	SC		S2S3	G5T5
<i>Dermochelys coriacea</i>	Leatherback Sea Turtle	E	E	S1B,SUN	G2
<i>Farancia erythrogramma</i>	Rainbow Snake	SR		S3	G4
<i>Glyptemys muhlenbergii</i>	Bog Turtle	T	T(S/A)	S2	G2G3
<i>Graptemys geographica</i>	Northern Map Turtle	SC		S1	G4G5
<i>Heterodon simus</i>	Southern Hognose Snake	T		S1S2	G2
<i>Kinosternon baurii</i>	Striped Mud Turtle	W-PK		S3S4	G4G5
<i>Lampropeltis elapsoides</i>	Scarlet Kingsnake	W-PD, W-TH		S3	G5
<i>Lampropeltis getula sticticeps</i>	Outer Banks Kingsnake	SC		S1	G5T2Q
<i>Lampropeltis triangulum</i>	Milk Snake	W-RS		S3	G5
<i>Lepidochelys kempii</i>	Kemp's Ridley Sea Turtle	E	E	S1B,SUN	G1
<i>Liodytes rigida</i>	Glossy Crayfish Snake	SR		S2	G5
<i>Malaclemys terrapin</i>	Diamondback Terrapin	SC		S3	G4
<i>Micrurus fulvius fulvius</i>	Eastern Coralsnake	E		S1	G5
<i>Nerodia sipedon williamengelsi</i>	Carolina Watersnake	SC		S2	G5T3
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard	SC		S1	G5T5
<i>Ophisaurus mimicus</i>	Mimic Glass Lizard	E		S1	G2
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake	T		S2	G4T4
<i>Plestiodon anthracinus</i>	Coal Skink	SR		S2	G5
<i>Rhadinaea flavilata</i>	Pine Woods Snake	W-RS		S3	G4
<i>Seminatrix pygaea paludis</i>	Carolina Swamp Snake	SC		S2	G5T4
<i>Sistrurus miliarius miliarius</i>	Carolina Pigmy Rattlesnake	SC		S2	G5T4T5
<i>Sternotherus peltifer</i>	Stripeneck Musk Turtle	SC		S1	GNR
<i>Trachemys scripta troostii</i>	Cumberland Slider	SC		S1	G5T4
<i>Virginia valeriae</i>	Smooth Earthsnake	W-RS		S3	G5
<b>Amphibians</b>					
<i>Ambystoma mabeei</i>	Mabee's Salamander	T		S2	G4
<i>Ambystoma talpoideum</i>	Mole Salamander	SC		S2S3	G5
<i>Ambystoma tigrinum</i>	Eastern Tiger Salamander	T		S2	G5
<i>Anaxyrus quercicus</i>	Oak Toad	SR		S2	G5
<i>Aneides aeneus</i>	Green Salamander	T		S2S3	G3G4
<i>Aneides caryaensis</i>	Hickory Nut Gorge Green Salamander	E		S1	G1
<i>Cryptobranchus alleganiensis alleganiensis</i>	Eastern Hellbender	SC	PE	S3	G3T2
<i>Desmognathus aeneus</i>	Seepage Salamander	W-RS		S3	G4

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
<b>Amphibians</b>					
<i>Desmognathus anicetus</i>	Foothills Dusky Salamander	W-PK		S2S3	GNR
<i>Desmognathus aureatus</i>	Southern Shovel-nosed Salamander	SR		S1S2	G3
<i>Desmognathus balsameus</i>	Great Balsam Mountain Dusky Salamander	W-PK		SNR	G4
<i>Desmognathus campi</i>	Camps Dusky Salamander	SR		S1S2	G3
<i>Desmognathus folkertsi</i>	Dwarf Black-bellied Salamander	SC		S1	G2G3
<i>Desmognathus imitator</i>	Imitator Salamander	W-RS		S3	G3G4
<i>Desmognathus imitator pop. 1</i>	Imitator Salamander - Waterrock Knob population	W-PK		S1?	G3G4T1Q
<i>Desmognathus organi</i>	Northern Pygmy Salamander	SR		S2S3	G3
<i>Desmognathus santeetlah</i>	Santeetlah Dusky Salamander	SR		S3S4	G3G4Q
<i>Desmognathus tilleyi</i>	Tilleys Dusky Salamander	SR		S1S2	G2
<i>Desmognathus wrighti</i>	Southern Pygmy Salamander	SR		S3	G3
<i>Eurycea arenicola</i>	Carolina Sandhills Salamander	W-PK		S3	GNR
<i>Eurycea bislineata</i>	Northern Two-lined Salamander	W-QD		SU	G5
<i>Eurycea junaluska</i>	Junaluska Salamander	T		S1	G2G3
<i>Eurycea longicauda longicauda</i>	Eastern Long-tailed Salamander	T		S1S2	G5T5
<i>Eurycea quadridigitata</i>	Dwarf Salamander	SC		S1	G5
<i>Hemidactylium scutatum</i>	Four-toed Salamander	SC		S3	G5
<i>Hyla andersonii</i>	Pine Barrens Treefrog	T		S2	G4
<i>Hyla versicolor</i>	Gray Treefrog	SC		S2	G5
<i>Lithobates capito</i>	Gopher Frog	E		S2	G2G3
<i>Lithobates heckscheri</i>	River Frog	E		SX	G5
<i>Lithobates sylvaticus pop. 3</i>	Wood Frog - Coastal Plain population	SR		S1	G5TNRQ
<i>Necturus lewisi</i>	Neuse River Waterdog	T	T	S2	G2
<i>Necturus maculosus</i>	Mudpuppy	SC		S2	G5
<i>Plethodon amplus</i>	Blue Ridge Gray-cheeked Salamander	SR		S1	G2
<i>Plethodon aureolus</i>	Tellico Salamander	SR		S2	G2G3
<i>Plethodon chatahoochee</i>	Chatahoochee Slimy Salamander	SR		S1	G3
<i>Plethodon cheoah</i>	Cheoah Bald Salamander	SR		S1	G1G2
<i>Plethodon glutinosus</i>	Slimy Salamander	W-QD		SU	G5
<i>Plethodon jordani</i>	Red-cheeked Salamander	W-PK		S3	G4
<i>Plethodon meridianus</i>	South Mountain Gray-cheeked Salamander	SR		S1	G2
<i>Plethodon richmondi</i>	Southern Ravine Salamander	W-RS		S3	G5
<i>Plethodon shermani</i>	Red-legged Salamander	W-RS		S3S4	G3
<i>Plethodon ventralis</i>	Southern Zigzag Salamander	SC		S2	G4
<i>Plethodon wehrlei</i>	Wehrle's Salamander	T		S2	G4
<i>Plethodon welleri</i>	Weller's Salamander	SC		S2	G3
<i>Plethodon yonahlossee pop. 1</i>	Crevice Salamander	SC		S1	G4T1T2Q
<i>Pseudacris brimleyi</i>	Brimleys Chorus Frog	W-TH		S4	G5
<i>Pseudacris collinsorum</i>	Collinses' Mountain Chorus Frog	SC		S2	G4
<i>Pseudacris nigrita</i>	Southern Chorus Frog	SC		S2	G5
<i>Pseudacris ornata</i>	Ornate Chorus Frog	E		S2	G4
<i>Rana kauffeldi</i>	Atlantic Coast Leopard Frog	W-PK		S3	G3G4
<i>Siren lacertina</i>	Greater Siren	W-PK		S3	G5
<i>Stereochilus marginatus</i>	Many-lined Salamander	W-TH		S3S4	G5

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
<b>Freshwater Fishes</b>					
<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	E	E	S1	G3
<i>Acipenser fulvescens</i>	Lake Sturgeon	SC		S1	G3G4
<i>Acipenser oxyrinchus oxyrinchus</i>	Atlantic Sturgeon	E	E	S2	G3T3
<i>Alburnops chalybaeus</i>	Ironcolor Shiner	T		S2S3	G4
<i>Ambloplites cavifrons</i>	Roanoke Bass	SR		S2	G3
<i>Aplodinotus grunniens</i>	Freshwater Drum	SC		S1	G5
<i>Carpiodes carpio</i>	River Carpsucker	SC		S1	G5
<i>Carpiodes cyprinus</i>	Quillback	SR		S2	G5
<i>Carpiodes sp. cf. cyprinus</i>	"Carolina" Quillback	SR		S2	GNR
<i>Carpiodes sp. cf. velifer</i>	Atlantic Highfin Carpsucker	SC		S1	GNR
<i>Clinostomus sp. 1</i>	Smoky Dace	SC		S2	G5T3Q
<i>Cottus caeruleomentum</i>	Blue Ridge Sculpin	SC		S1	G4
<i>Cottus carolinae</i>	Banded Sculpin	SC		S1	G5
<i>Cyprinella labrosa</i>	Thicklip Chub	T		S3	G4
<i>Cyprinella leptocheilus</i>	Siouan Thinlip Chub	SC		S2	G2
<i>Cyprinella spiloptera</i>	Spotfin Shiner	W-TH		S2	G5
<i>Cyprinella zanema</i>	Santee Chub	T		S3	G4
<i>Elassoma boehlkei</i>	Carolina Pygmy Sunfish	T		S2	G2
<i>Elassoma evergladei</i>	Everglades Pygmy Sunfish	W-PK		S3	G5
<i>Enneacanthus chaetodon</i>	Blackbanded Sunfish	SR		S3	G3G4
<i>Enneacanthus obesus</i>	Banded Sunfish	SR		S3	G5
<i>Erimonax monachus</i>	Spotfin Chub	T	T	S1	G2
<i>Erimystax insignis</i>	Blotched Chub	T		S2	G4
<i>Etheostoma collis</i>	Carolina Darter	SC		S3	G3
<i>Etheostoma flabellare</i>	Fantail Darter	W-TH		S3	G5
<i>Etheostoma gutselli</i>	Tuckasegee Darter	W-TH		S3	G3G4
<i>Etheostoma inscriptum</i>	Turquoise Darter	T		S1	G4
<i>Etheostoma jessiae</i>	Blueside Darter	SC		SX	G4
<i>Etheostoma kanawhae</i>	Kanawha Darter	SR		S3	G4
<i>Etheostoma mariae</i>	Pinewoods Darter	SC		S2	G3
<i>Etheostoma perlongum</i>	Waccamaw Darter	T		S1	G1
<i>Etheostoma podostemone</i>	Riverweed Darter	SR		S2	G4
<i>Etheostoma simoterum</i>	Snubnose Darter	SC		S1	G5
<i>Etheostoma thalassinum</i>	Seagreen Darter	SC		S3	G4
<i>Etheostoma vitreum</i>	Glassy Darter	W-TH		S3	G4G5
<i>Exoglossum laurae</i>	Tonguetied Minnow	SR		S2	G4
<i>Exoglossum maxillingua</i>	Cutlip Minnow	SC		S1	G5
<i>Fundulus chrysotus</i>	Golden Topminnow	W-RS		S3	G5
<i>Fundulus confluentus</i>	Marsh Killifish	W-RS		S3	G5
<i>Fundulus luciae</i>	Spotfin Killifish	W-RS		S3	G4
<i>Fundulus sp. cf. diaphanus</i>	Lake Phelps Killifish	SR		S1	G1Q
<i>Fundulus waccamensis</i>	Waccamaw Killifish	SC		S1	G1
<i>Heterandria formosa</i>	Least Killifish	SC		S2	G5
<i>Hiodon tergisus</i>	Mooneye	SC		S1	G5
<i>Hybopsis rubrifrons</i>	Rosyface Chub	T		S1	G4
<i>Hydrophlox lutipinnis</i>	Yellowfin Shiner	SC		S2	G4Q

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
<b>Freshwater Fishes</b>					
<i>Hydrophlox rubricroceus</i>	Saffron Shiner	W-TH		S3	G4G5
<i>Hypentelium roanokense</i>	Roanoke Hog Sucker	W-RS		S3	G4
<i>Ichthyomyzon bdellium</i>	Ohio Lamprey	SC		S1	G3G4
<i>Ictiobus bubalus</i>	Smallmouth Buffalo	SR		S1	G5
<i>Ictiobus niger</i>	Black Buffalo	SR		S1	G5
<i>Lampetra aepyptera</i>	Least Brook Lamprey	T		S2	G5
<i>Lepomis marginatus</i>	Dollar Sunfish	W-RS		S3	G5
<i>Lepomis punctatus</i>	Spotted Sunfish	W-RS		S3	G5
<i>Lethenteron appendix</i>	American Brook Lamprey	SC		S1	G4
<i>Luxilus chrysocephalus</i>	Striped Shiner	SC		S1	G5
<i>Lythrurus matutinus</i>	Pinewoods Shiner	W-TH		S3	G3G4
<i>Menidia extensa</i>	Waccamaw Silverside	T	T	S1	G1
<i>Micropterus sp. 1 (Savannah)</i>	Bartram's Bass	SR		S1	GNR
<i>Miniellus scabriceps</i>	New River Shiner	W-RS		S2	G4
<i>Moxostoma ariommum</i>	Bigeye Jumprock	T		S2	G4
<i>Moxostoma breviceps</i>	Smallmouth Redhorse	SR		S2	G5
<i>Moxostoma carinatum</i>	River Redhorse	W-RS		S2	G4
<i>Moxostoma robustum</i>	Robust Redhorse	E	C	S1	G1
<i>Moxostoma sp. 2</i>	Sicklefin Redhorse	T	C	S2	G1G2
<i>Moxostoma sp. 3</i>	Carolina Redhorse	T		S2	G1G2Q
<i>Nocomis platyrhynchus</i>	Bigmouth Chub	W-RS		S2	G4Q
<i>Nothonotus acuticeps</i>	Sharphead Darter	T		S1	G3
<i>Nothonotus rufilineatus</i>	Redline Darter	W-TH		S3	G5
<i>Nothonotus vulneratus</i>	Wounded Darter	SC		S2	G3
<i>Notropis bifrenatus</i>	Bridle Shiner	E		S1	G3
<i>Notropis maculatus</i>	Taillight Shiner	W-RS		S2	G5
<i>Notropis mekistocholas</i>	Cape Fear Shiner	E	E	S1	G1
<i>Notropis micropteryx</i>	Highland Shiner	SR		S2	G5
<i>Notropis photogenis</i>	Silver Shiner	W-TH		S3	G5
<i>Notropis sp. 1</i>	Kanawha Rosyface Shiner	SR		S2	GNR
<i>Noturus eleutherus</i>	Mountain Madtom	SC		S1	G4
<i>Noturus flavus</i>	Stonecat	E		S1	G5
<i>Noturus furiosus</i>	Carolina Madtom	E	E	S2	G2
<i>Noturus gilberti</i>	Orangefin Madtom	E		S1	G2
<i>Noturus sp. 2</i>	Broadtail Madtom	SC		S1	G2
<i>Paranotropis volucellus</i>	Mimic Shiner	T		S2	G5
<i>Percina aurantiaca</i>	Tangerine Darter	W-RS		S3	G4
<i>Percina burtoni</i>	Blotchside Logperch	E		S1	G2G3
<i>Percina caprodes</i>	Logperch	T		S1	G5
<i>Percina gymnocephala</i>	Appalachia Darter	SR		S2	G4
<i>Percina oxyrhynchus</i>	Sharpnose Darter	E		S1	G4
<i>Percina rex</i>	Roanoke Logperch	E	E	S1	G2G3
<i>Percina squamata</i>	Olive Darter	SC		S2	G3
<i>Percina westfalli</i>	Sooty-banded Darter	SC		S1	GNR
<i>Percina williamsi</i>	Sickle Darter	SC	T	SX	G2
<i>Phenacobius crassilabrum</i>	Fatlips Minnow	W-RS		S3	G3G4

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
<b>Freshwater Fishes</b>					
<i>Phenacobius teretulus</i>	Kanawha Minnow	SC		S3	G3G4
<i>Pimephales notatus</i>	Bluntnose Minnow	W-PK		S3	G5
<i>Polyodon spathula</i>	Paddlefish	E		SX	G4
<i>Salvelinus fontinalis</i>	Brook Trout	SR		S4	G5
<i>Sander canadensis</i>	Sauger	SR		S1	G5
<i>Semotilus lumbee</i>	Sandhills Chub	SC		S2	G3G4
<i>Thoburnia hamiltoni</i>	Rustyside Sucker	E		S1	G3
<b>Invertebrates</b>					
<b>Mollusks: Freshwater Bivalves</b>					
<i>Alasmidonta heterodon</i>	Dwarf Wedgemussel	E	E	S1	G2?
<i>Alasmidonta raveneliana</i>	Appalachian Elktoe	E	E	S1	G1
<i>Alasmidonta undulata</i>	Triangle Floater	T		S3	G4
<i>Alasmidonta uwharriensis</i>	Uwharrie Elktoe	SR		S1S2	G1?
<i>Alasmidonta varicosa</i>	Brook Floater	E		S3	G3
<i>Alasmidonta viridis</i>	Slippershell Mussel	E		S1	G4G5
<i>Atlanticoncha ochracea</i>	Tidewater Mucket	T		S2	G3G4
<i>Cambarunio iris</i>	Rainbow	T		S2	G4G5
<i>Cyclonaias tuberculata</i>	Purple Wartyback	E		S1	G5
<i>Elliptio cistellaeformis</i>	Box Spike	W-PK, W-TH		SU	G4
<i>Elliptio congaraea</i>	Carolina Slabshell	W-RS, W-TH		S3	G3
<i>Elliptio fisheriana</i>	Northern Lance	SR		S3	G4
<i>Elliptio folliculata</i>	Pod Lance	SC		S2	G2G3
<i>Elliptio lanceolata</i>	Yellow Lance	T	T	S2	G2
<i>Elliptio marsupiobesa</i>	Cape Fear Spike	SC		S2	G3Q
<i>Elliptio producta</i>	Atlantic Spike	W-PK, W-TH		SU	G3
<i>Elliptio roanokensis</i>	Roanoke Slabshell	SC		S3	G3
<i>Elliptio sp. 2</i>	File Spike	W-PK		SU	GUQ
<i>Eurynia dilatata</i>	Spike	SC		S2	G5
<i>Fusconaia masoni</i>	Atlantic Pigtoe	T	T	S3	G1
<i>Fusconaia subrotunda</i>	Longsolid	T	T	S1	G3
<i>Lampsilis cariosa</i>	Yellow Lampmussel	E		S3	G3G4
<i>Lampsilis fasciola</i>	Wavyrayed Lampmussel	SC		S2	G4
<i>Lampsilis radiata</i>	Eastern Lampmussel	T		S3	G5
<i>Lampsilis sp. 2</i>	Chameleon Lampmussel	SR		S2	G2
<i>Lampsilis sp. 3</i>	a bivalve (Deep River system)	W-PK		S1?	GU
<i>Lampsilis splendida</i>	Rayed Pink Fatmucket	SR		S1	G3
<i>Lasmigona decorata</i>	Carolina Heelsplitter	E	E	S1	G1
<i>Lasmigona holstonia</i>	Tennessee Heelsplitter	E		SH	G3
<i>Lasmigona subviridis</i>	Green Floater	E	PT	S2	G2G3
<i>Leaunio vanuxemensis</i>	Mountain Creekshell	T		S1?	G4
<i>Parvaspina collina</i>	James Spiny mussel	E	E	S1	G1
<i>Parvaspina steinstansana</i>	Tar River Spiny mussel	E	E	S1	G1
<i>Pegias fabula</i>	Littlewing Pearly mussel	E	E	S1	G1
<i>Pleurobema oviforme</i>	Tennessee Clubshell	E	PE	S1	G2G3

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<b>Mollusks: Freshwater Bivalves</b>					
<i>Pleuroaia barnesiana</i>	Tennessee Pigtoe	E	PE	S1	G2G3
<i>Potamilus alatus</i>	Pink Heelsplitter	SC		S1	G5
<i>Sagittunio nasutus</i>	Eastern Pondmussel	T		S2	G3
<i>Sagittunio vaughaniana</i>	Carolina Creekshell	E		S3	G2G3
<i>Sphaerium simile</i>	Grooved Fingernailclam	W-PK		SU	G5
<i>Strophitus undulatus</i>	Creeper	T		S3	G5
<i>Toxolasma pullus</i>	Savannah Lilliput	E		S2	G2
<i>Utterbackiana couperiana</i>	Barrel Floater	E		S1	G4
<i>Utterbackiana implicata</i>	Alewife Floater	T		S2	G5
<i>Venustaconcha constricta</i>	Notched Rainbow	T		S3	G3
<i>Venustaconcha trahalis</i>	Cumberland Bean	SR	E	SH	G1
<i>Villosa delumbis</i>	Eastern Creekshell	SR		S4	G4
<b>Mollusks: Freshwater and Terrestrial Gastropods</b>					
<i>Allogona profunda</i>	Broad-banded Forestsnail	SR		S2S3	G5
<i>Amnicola sp. 1</i>	Waccamaw Amnicola	SC		S1	G1
<i>Anguispira alternata</i>	Flamed Tigersnail	W-RS		S2S3	G5
<i>Anguispira knoxensis</i>	Rustic Tigersnail	SR		SH	G1G2
<i>Anguispira mordax</i>	Appalachian Tigersnail	W-PK		S3S4	G4
<i>Anguispira strongyloides</i>	Southeastern Tigersnail	SR		S2S3	G5
<i>Appalachina chilhoweensis</i>	Queen Crater	SC		S2	G4
<i>Appalachina sayana</i>	Spike-lip Crater	SR		S2S3	G5
<i>Callinina intertexta</i>	Rotund Mysterysnail	SR		S2?	G4
<i>Carychium arboreum</i>	Tree Thorn	SR		S1?	G1
<i>Carychium exiguum</i>	Obese Thorn	W-PK		S3?	G5
<i>Catinella pugillator</i>	Weedpatch Ambersnail	SR		S1?	G1G2
<i>Catinella waccamawensis</i>	Waccamaw Ambersnail	T		SH	G1
<i>Cincinnati sp. 1</i>	Waccamaw Siltsnail	SC		S1	G1
<i>Daedalochila sp. 1 nr. auriformis</i>	a Liptooth	SR		S1S2	GNR
<i>Discus bryanti</i>	Sawtooth Disc	SC		S2	G3
<i>Discus nigrimontanus</i>	Black Mountain Disc	SR		S2S3	G4
<i>Discus whitneyi</i>	Forest Disc	SR		S1S2	G5
<i>Elimia christyi</i>	Christy's Elimia	E		S1	G2
<i>Euchemotrema fraternum</i>	Upland Pillsnail	SR		S2S3	G5
<i>Euglandina rosea</i>	Rosy Wolfsnail	W-PK		S3?	G5
<i>Fumonelix cherohalaensis</i>	Rock-loving Covert	SR		S1	G1
<i>Fumonelix jonesiana</i>	Big-tooth Covert	T		S1?	G1
<i>Fumonelix langdoni</i>	Talus Covert	SR		S1	G1
<i>Fumonelix orestes</i>	Engraved Covert	T		S1	G1
<i>Fumonelix roanensis</i>	Roan Mountain Covert	SR		S1	G1
<i>Fumonelix wheatleyi clingmanicus</i>	Clingman Covert	SC		S1	G4T2T3
<i>Gastrocopta armifera</i>	Armed Snaggletooth	W-PK		S2S3	G5
<i>Gastrocopta corticaria</i>	Bark Snaggletooth	SR		S2S3	G5
<i>Gastrocopta procera</i>	Wing Snaggletooth	W-PK		S3	G5
<i>Glyphyalinia cryptomphala</i>	Thin Glyph	SR		S1S2	G5
<i>Glyphyalinia junaluskana</i>	Dark Glyph	SC		S2	G2G3

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<b>Mollusks: Freshwater and Terrestrial Gastropods</b>					
<i>Glyphyalinia pentadelphina</i>	Pink Glyph	SC		S2	G1G3
<i>Glyphyalinia umbilicata</i>	Texas Glyph	W-RS		S2S3	G5
<i>Glyphyalinia vanattai</i>	Honey Glyph	SC		S1	G2G3
<i>Glyphyalinia wheatleyi</i>	Bright Glyph	W-RS		S3	G5
<i>Gyraulus deflectus</i>	Flexed Gyro	W-PK		S2?	G5
<i>Haplotrema kendeighi</i>	Blue-footed Lancetooth	SC		S1S2	G2G3
<i>Helicodiscus bonamicus</i>	Spiral Coil	SC		S1	G1
<i>Helicodiscus fimbriatus</i>	Fringed Coil	SC		S2	G4
<i>Helicodiscus inermis</i>	Oldfield Coil	SR		S1?	G4
<i>Helicodiscus multidentatus</i>	Twilight Coil	SR		S1	G3
<i>Helicodiscus saludensis</i>	Corncob Snail	SR		S1?	G1
<i>Helisoma eucosmium</i>	Greenfield Ramshorn	E		S1	G1Q
<i>Hendersonia occulta</i>	Cherrystone Drop	SR		S2S3	G4
<i>Inflectarius downieanus</i>	Dwarf Globelet	SR		S1S2	G3
<i>Inflectarius ferrissi</i>	Smoky Mountain Covert	T		S2	G2
<i>Inflectarius subpalliatatus</i>	Velvet Covert	SC		S2S3	G2G3
<i>Inflectarius verus</i>	Fuzzy Covert	SR		S1?	G1
<i>Leptoxis dilatata</i>	Seep Mudalia	SC		S3	G3
<i>Leptoxis virgata</i>	Smooth Mudalia	W-PK		SU	G2
<i>Lioplax subcarinata</i>	Ridged Lioplax	SC		S3	G4G5
<i>Mesodon altivagus</i>	Wandering Globe	SR		S1?	G2G3
<i>Mesodon andrewsae</i>	Balsam Globe	SR		S2S3	G3
<i>Mesomphix andrewsae</i>	Mountain Button	W-RS		S3S4	G3G4
<i>Mesomphix latior</i>	Broad Button	SR		S2S3	G3G4
<i>Mesomphix pilsbryi</i>	Striate Button	SR		S2S3	G4
<i>Mesomphix vulgatus</i>	Common Button	SR		S2?	G4
<i>Neohelix dentifera</i>	Big-tooth Whitelip	W-PK		S3S4	G4G5
<i>Novisuccinea ovalis</i>	Oval Ambersnail	SR		S2S3	G5
<i>Novisuccinea sp. 1 nr. chittenangoensis</i>	an Ambersnail	W-QD		SU	GNR
<i>Oxyloma effusum</i>	Coastal-plain Ambersnail	W-PK		SU	G3
<i>Pallifera hemphilli</i>	Black Mantleslug	SC		S2S3	G4
<i>Pallifera ohioensis</i>	Redfoot Mantleslug	SR		S1	G5
<i>Paravitrea andrewsae</i>	High Mountain Supercoil	SC		S2	G2
<i>Paravitrea clappi</i>	Mirey Ridge Supercoil	SC		S1S2	G2G3
<i>Paravitrea lacteodens</i>	Ramp Cove Supercoil	SC		SH	G1
<i>Paravitrea lamellidens</i>	Lamellate Supercoil	SC		S2S3	G3
<i>Paravitrea multidentata</i>	Dentate Supercoil	SR		S2S3	G5
<i>Paravitrea petrophila</i>	Cherokee Supercoil	SR		S1	G4
<i>Paravitrea placentula</i>	Glossy Supercoil	SC		S2S3	G3
<i>Paravitrea reesei</i>	Round Supercoil	SR		S2?	G3
<i>Paravitrea ternaria</i>	Sculpted Supercoil	T		S1	G1G2
<i>Paravitrea umbilicaris</i>	Open Supercoil	SC		S2	G3?
<i>Paravitrea varidens</i>	Roan Supercoil	T		S1S2	G1G2
<i>Patera clarki</i>	Dwarf Proud Globe	SC		S3	G3
<i>Patera nantahala</i>	Noonday Globe	T	T	S1	G1G2
<i>Philomycus virginicus</i>	Virginia Mantleslug	SR		S1S2	G3



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<b>Mollusks: Freshwater and Terrestrial Gastropods</b>					
<i>Pilsbryna clingmani</i>	Fragile Glyph	E		S1	G1G2
<i>Pilsbryna nodopalma</i>	Oar Tooth Bud	SR		S1	G1G2
<i>Planorbella magnifica</i>	Magnificent Ramshorn	E	E	S1	G1
<i>Praticolella lawae</i>	Appalachian Scrubsnail	SR		S1	G3
<i>Promenetus exacuouus</i>	Sharp Sprite	W-PK		S2S3	G5
<i>Pseudohyalina exigua</i>	Ribbed Striate	SR		S1	G5
<i>Somatogyrus virginicus</i>	Panhandle Pebblesnail	SR		S2S3	G2G3
<i>Stenotrema altispira</i>	Highland Slitmouth	W-RS		S3S4	G3
<i>Stenotrema depilatum</i>	Great Smoky Slitmouth	SC		S2	G2
<i>Stenotrema pilula</i>	Pygmy Slitmouth	W-PK		S3?	G3G4
<i>Stenotrema sp. 1</i>	Cove Slitmouth	SR		S1?	GNR
<i>Striatura ferrea</i>	Black Striate	W-RS		S3?	G5
<i>Succinea unicolor</i>	Squatty Ambersnail	SR		S1S2	G3G4
<i>Triodopsis burchi</i>	Pittsylvania Threetooth	W-PK		SU	G3
<i>Triodopsis fulciden</i>	Dwarf Threetooth	SC		S2S3	G1G2
<i>Triodopsis soelneri</i>	Cape Fear Threetooth	T		S2S3	G2
<i>Triodopsis tennesseensis</i>	Budded Threetooth	SR		S1	G4
<i>Triodopsis vulgata</i>	Dished Threetooth	W-RS		S3?	G5
<i>Vallonia pulchella</i>	Lovely Vallonia	SR		S1S2	G5
<i>Ventridens coelaxis</i>	Bidentate Dome	SC		S3?	G3
<i>Ventridens collisella</i>	Sculptured Dome	SR		S2?	G4
<i>Ventridens decussatus</i>	Crossed Dome	SR		S3?	G3
<i>Ventridens lasmodon</i>	Hollow Dome	SR		S1?	G4
<i>Ventridens lawae</i>	Rounded Dome	SR		S2S3	G4
<i>Ventridens suppressus</i>	Flat Dome	SR		S1S2	G5
<i>Vertigo alabamensis</i>	Alabama Vertigo	SR		S2S3	G3
<i>Vertigo bollesiana</i>	Delicate Vertigo	SR		S1S2	G4G5
<i>Vertigo gouldii</i>	Variable Vertigo	W-PK		S2S3	G5
<i>Vertigo oralis</i>	Palmetto Vertigo	SR		S2S3	G5
<i>Vertigo oscariana</i>	Capital Vertigo	W-PK		S3?	G4
<i>Vertigo parvula</i>	Smallmouth Vertigo	SR		S1	G3
<i>Vertigo rugosula</i>	Striate Vertigo	W-PK		S2S3	G4
<i>Vertigo sp. 3</i>	a new Vertigo	SR		S2S3	GNR
<i>Vertigo teskeyae</i>	Swamp Vertigo	W-PK		S3	G5
<i>Vertigo tridentata</i>	Honey Vertigo	SR		S1S2	G5
<i>Xolotrema caroliniense</i>	Blunt Wedge	W-PK		S3?	G4
<i>Xolotrema denotatum</i>	Velvet Wedge	W-PK		SU	G5
<i>Zonitoides patuloides</i>	Appalachian Gloss	SC		S2	G3
<b>Arachnids</b>					
<i>Fumontana deprehendor</i>	a Harvestman	W-PK		S3?	G1G2
<i>Hypochilus coylei</i>	a Lampshade Weaver	SR		S1	G3?
<i>Hypochilus sheari</i>	a Lampshade Weaver	SR		S1	G2
<i>Microhexura montivaga</i>	Spruce-fir Moss Spider	SR	E	S1	G2
<i>Nesticus bishopi</i>	a Cave Cobweb Spider	SR		S2	G3?
<i>Nesticus brimleyi</i>	a Cave Cobweb Spider	SR		S2	G1G2

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<b>Arachnids</b>					
<i>Nesticus carolinensis</i>	Linville Caverns Spider	SR		S2	G2
<i>Nesticus cooperi</i>	Lost Nantahala Cave Spider	SR		S1	G1
<i>Nesticus crosbyi</i>	a Cave Cobweb Spider	SR		S2	G1?
<i>Nesticus gertschi</i>	a Cave Cobweb Spider	SR		S2	G1G2
<i>Nesticus nasicus</i>	a Cave Cobweb Spider	SR		S2	G3?
<i>Nesticus reclusus</i>	a Cave Cobweb Spider	SR		S1	G3?
<i>Nesticus sheari</i>	a Cave Cobweb Spider	SR		S1	G2?
<i>Nesticus silvanus</i>	a Cave Cobweb Spider	SR		S2	G2?
<i>Vaejovis carolinianus</i>	Southern Unstriped Scorpion	W-RS, W-PK		S2?	G5
<b>Crustaceans</b>					
<i>Ascetocythere cosmeta</i>	Grayson Crayfish Ostracod	W-PK		S2?	GNR
<i>Caecidotea carolinensis</i>	Bennett's Mill Cave Water Slater	E		SH	G2G3
<i>Cambarus aldermanorum</i>	Carolina Needlenose Crayfish	W-PK		S1?	GNR
<i>Cambarus brimleyorum</i>	Valley River Crayfish	SR		S2	G3G4
<i>Cambarus burchfielae</i>	Falls Crayfish	SR		S1S2	GNR
<i>Cambarus carolinus</i>	Red Burrowing Crayfish	W-PK		S2	G4
<i>Cambarus catagius</i>	Greensboro Burrowing Crayfish	SC		S1	G2
<i>Cambarus chaugaensis</i>	Chauga Crayfish	SC		S2	G3
<i>Cambarus davidi</i>	Carolina Ladle Crayfish	SR		S3	G3
<i>Cambarus eeseehensis</i>	Grandfather Mountain Crayfish	SR		S2	G3
<i>Cambarus franklini</i>	South Mountains Crayfish	T		S1	GNR
<i>Cambarus georgiae</i>	Little Tennessee Crayfish	SC		S2	G3
<i>Cambarus hiwasseeensis</i>	Hiwassee Crayfish	W-RS		S3S4	G3G4
<i>Cambarus hystricosus</i>	Sandhills Spiny Crayfish	SR		S2	G2
<i>Cambarus johni</i>	Carolina Foothills Crayfish	SR		S3	G3
<i>Cambarus lapidosus</i>	Stony Fork Crayfish	SR		S1S2	GNR
<i>Cambarus lenati</i>	Broad River Stream Crayfish	SR		S2	G2
<i>Cambarus nodosus</i>	Knotty Burrowing Crayfish	SR		S1	G4
<i>Cambarus parrishi</i>	Hiwassee Headwaters Crayfish	SC		S1	G2
<i>Cambarus reburrus</i>	French Broad Crayfish	T		S2	G3
<i>Cambarus sp. A</i>	a crayfish	W-PK		S2S4	G2G3
<i>Cambarus spicatus</i>	Broad River Spiny Crayfish	T		S2	G3
<i>Cambarus tuckasegee</i>	Tuckasegee Stream Crayfish	SR		S1S2	G2
<i>Canthocamptus vagus</i>	Swamp Canthocamptus	W-RS, W-PK		S3?	GNR
<i>Cymocythere clavata</i>	Oconee Crayfish Ostracod	W-PK		S2?	GNR
<i>Cytheridella ilosvayi</i>	Backwater Ostracod	W-PK		S2?	GNR
<i>Dactylocythere chelomata</i>	Cherokee Crayfish Ostracod	W-RS, W-PK		S2?	GNR
<i>Dactylocythere isabellae</i>	Catawba Crayfish Ostracod	W-PK		S1?	GNR
<i>Dactylocythere peedeensis</i>	Pee Dee Crayfish Ostracod	W-PK		S2?	GNR
<i>Dactylocythere prinsi</i>	Whitewater Crayfish Ostracod	W-PK		S1	GNR
<i>Dactylocythere susanae</i>	Hiwassee Crayfish Ostracod	W-RS, W-PK		S2?	G2G4
<i>Diacyclops jeanneli putei</i>	Carolina Well Diacyclops	SC		SH	G3G4T1T2
<i>Faxonius carolinensis</i>	North Carolina Spiny Crayfish	SC		S3	G3
<i>Faxonius virginianus</i>	Chowanoke Crayfish	SC		S3	G3
<i>Harpagocythere baileyi</i>	Highlands Crayfish Ostracod	W-PK		S2?	GNR

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
<b>Crustaceans</b>					
<i>Hesperodiaptomus augustaensis</i>	Augusta Hesperodiaptomus	W-PK		SH	GNR
<i>Lacunnicambarus acanthura</i>	Thornytail Crayfish	SR		S1	G4G5
<i>Lordocythere petersi</i>	Cumberland Crayfish Ostracod	W-QD		SU	GNR
<i>Lynceus gracilicornis</i>	Graceful Clam Shrimp	SC		S2	G5
<i>Miktoniscus medcofi</i>	Small Alabama Sowbug	W-PK		S1?	GNR
<i>Procambarus ancylus</i>	Coastal Plain Crayfish	W-RS		S3	G4G5
<i>Procambarus blandingii</i>	Santee Crayfish	W-PK		S3S4	G4
<i>Procambarus braswelli</i>	Waccamaw Crayfish	E		S2	G3
<i>Procambarus medialis</i>	Pamlico Crayfish	T		S3	G3
<i>Procambarus pearsei</i>	Sandhills Crayfish	T		S1	G4
<i>Skistodiaptomus carolinensis</i>	Carolina Skistodiaptomus	SC		SH	GNR
<i>Stygobromus carolinensis</i>	Yancey Sideswimmer	SR		SH	GH
<i>Stygobromus sp. 4</i>	Plott Balsam Sideswimmer	W-PK		S1?	GNR
<i>Waltoncythere acuta</i>	Transylvania Crayfish Ostracod	W-PK		S2?	GNR
<b>Mayflies</b>					
<i>Ameletus tertius</i>	a mayfly	SR		S2	G4
<i>Amercaenis cusabo</i>	a mayfly	SR		S1	G3
<i>Anthopotamus myops</i>	a mayfly	W-PK		S3	G5
<i>Asioplax dolani</i>	a mayfly	SR		S2	G4
<i>Attenella margarita</i>	a mayfly	SR		S1	G5
<i>Baetisca becki</i>	a mayfly	SR		S1	G2G3
<i>Baetisca obesa</i>	a mayfly	SR		S1	G5
<i>Baetopus trishae</i>	a mayfly	SR		S1	G1
<i>Barbaetis benfieldi</i>	Benfield's Bearded Small Minnow Mayfly	SR		S1	G2G4
<i>Cercobrachys etowah</i>	a caenid mayfly	SR		S2	G4
<i>Choroterpes basalis</i>	a mayfly	SR		S2	G5
<i>Dolania americana</i>	American Sand Burrowing Mayfly	SR		SH	G4
<i>Drunella longicornis</i>	a spiny crawler mayfly	W-PK		S3	G5
<i>Epeorus punctatus</i>	Dotted Flatheaded Mayfly	SR		S1	G4G5
<i>Ephemerella floripara</i>	a mayfly	SR		S2	G3
<i>Eurylophella enoensis</i>	Eno River Spiny Crawler Mayfly	W-TH		S3	G4
<i>Eurylophella minimella</i>	Reduced Spiny Crawler Mayfly	W-RS		S3	G4
<i>Heterocloeon bernerii</i>	Berner's Two-winged Mayfly	SR		S1	G1G2
<i>Homoeoneuria cahabensis</i>	Cahaba Sand-filtering Mayfly	SR		S2	G3
<i>Isonychia arida</i>	a mayfly	W-PK		S3	G5
<i>Isonychia sayi</i>	a mayfly	W-PK		S2	G4
<i>Iswaeon davidi</i>	a mayfly	W-PK		S2	G2
<i>Leptophlebia bradleyi</i>	a mayfly	W-TH		S2	G5
<i>Maccaffertium wudigeum</i>	Wilson Creek "Stenonema"	SR		S1	G1
<i>Macdunnoa brunnea</i>	a mayfly	SR		S2	G3G4
<i>Neophemera eatoni</i>	a mayfly	SR		S1	GNR
<i>Nixe spinosa</i>	a mayfly	W-PK		S3	G5
<i>Paracloeodes fleeki</i>	a mayfly	W-PK		S3	G4
<i>Pseudiron centralis</i>	White Sand-river Mayfly	SR		S2	G5
<i>Pseudocentropiloides usa</i>	a mayfly	W-PK		S2	G4

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<b>Mayflies</b>					
<i>Serratella spiculosa</i>	Spiculose Serratellan Mayfly	W-RS		S3	G2Q
<i>Siphloplecton speciosum</i>	a mayfly	W-TH		S2	G4
<i>Sparbarus maculatus</i>	a mayfly	W-PK		S2S3	G5
<i>Tortopsis puella</i>	a mayfly	SR		S1	G5
<i>Tsalia bernerii</i>	a mayfly	SR		S3	G4
<b>Stoneflies</b>					
<i>Acroneuria arida</i>	Elegant Stone	SR		SH	G3
<i>Acroneuria evoluta</i>	Constricted Stone	W-TH		S2	G5
<i>Agnatina capitata</i>	Northern Stone	W-TH		S3	G5
<i>Allocaupnia nivicola</i>	Brook Snowfly	SR		S1	G5
<i>Alloperla chloris</i>	Triangular Sallfly	SR		S1	G5
<i>Alloperla lenati</i>	Sandhill Sallfly	SR		S1	G2G3
<i>Alloperla neglecta</i>	Tennessee Sallfly	W-RS		S2	G3
<i>Attaneuria ruralis</i>	Giant Stone	SR		S2S3	G4
<i>Beloneuria georgiana</i>	Georgia Stone	W-PK		S1S3	G2
<i>Beloneuria stewarti</i>	Piedmont Stone	SR		SH	G3
<i>Bolotoperla rossi</i>	Smoky Willowfly	SR		S3	G4
<i>Diploperla janeae</i>	Jane's Stripetail	SR		S1	GNR
<i>Diploperla kanawholensis</i>	Kanawhole Springfly	SR		S2?	G3
<i>Haploperla fleeki</i>	Piedmont Sallfly	SR		S1	G1
<i>Haploperla parkeri</i>	Parker Sallfly	W-PK		SU	G1
<i>Helopicus bogaloosa</i>	Masked Springfly	W-PK		S3	G3G4
<i>Hydroperla phormidia</i>	Brownwater Springfly	SR		S2	G3
<i>Isogenoides varians</i>	Rock Island Springfly	W-RS		S2	G3G4
<i>Isoperla bellona</i>	Smokies Stripetail	SR		S1	G3
<i>Isoperla burksi</i>	Banded Stripetail	W-PK		S2	G4
<i>Isoperla fauschi</i>	Lumber Stripetail	SR		S1	GNR
<i>Isoperla frisoni</i>	Wisconsin Stripetail	W-PK		S3	G5
<i>Isoperla lata</i>	Dark Stripetail	W-PK		S3	G5
<i>Isoperla pauli</i>	Mt. Mitchell Stripetail	SR		S1	G1
<i>Isoperla stewarti</i>	a stripetail	SR		S1	G1
<i>Isoperla tuteloi</i>	North Carolina Stripetail	SR		S1	G1
<i>Leuctra hicksi</i>	Cypress Needlefly	SR		S1	GNR
<i>Leuctra moha</i>	Blackwater Needlefly	SR		S1	G3
<i>Megaleuctra williamsae</i>	Williams' Rare Winter Stonefly	SR		S1	G3
<i>Oconoperla innubila</i>	Hairy Springfly	SR		S1	G2
<i>Perlesta beatyi</i>	Raft Swamp Stone	SR		S1	GNR
<i>Perlesta bjostadi</i>	Anomalus Stone	SR		S1	G1
<i>Perlesta georgiae</i>	Barbeque Stone	SR		S1	GNR
<i>Perlesta leathermani</i>	Sandhills Stone	SR		S1	G1
<i>Perlesta puttmanni</i>	Anna Stone	W-PK		S2?	G3G4
<i>Perlesta roblei</i>	Dragon Run Stone	W-PK		S2	G3
<i>Perlinella ephyre</i>	Vernal Stone	W-RS		S3	G5
<i>Prostoia hallasi</i>	Swamp Forestfly	W-PK		SU	G3
<i>Pteronarcys comstocki</i>	Spiny Salmonfly	SR		S2	G3

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<b>Stoneflies</b>					
<i>Rasvena terna</i>	Vermont Sallfly	SR		S2	G4
<i>Remenus daniellae</i>	Danielle's Stripetail	SR		S2	G2
<i>Remenus duffieldi</i>	Georgia Springfly	SR		S2	G2
<i>Remenus kirchneri</i>	Blueridge Springfly	SR		S2	G3
<i>Shipsa rotunda</i>	Intrepid Forestfly	W-PK		S2S3	G5
<i>Soyedina kondratieffi</i>	Southeastern Forestfly	SR		S1	G4
<i>Soyedina parkeri</i>	Rediscovered Forestfly	SR		S1	G1
<i>Soyedina sheldoni</i>	Mountain Man Forestfly	SR		S2	G2
<i>Sweltsa holstonensis</i>	Holston Sallfly	W-PK		SU	G1
<i>Tallaperla elisa</i>	Highlands Roachfly	W-PK		SU	G3
<i>Viehopera ada</i>	Pallid Roachfly	W-PK		S2	G3
<i>Yugus arinus</i>	Highlands Springfly	W-PK		S3	G3
<i>Zapada chila</i>	Smokies Forestfly	SR		S1S2	G2
<i>Zapada fumosa</i>	Fumose Forestfly	SR		S1	G2G3
<i>Zealeuctra uwharrie</i>	Uwharrie Needlefly	SR		S2	G2
<b>Caddisflies</b>					
<i>Agapetus hessi</i>	Hess's Saddle-case Caddisfly	W-TH		S2	G4
<i>Agapetus jocassee</i>	a saddlecase caddisfly	W-PK		S2	G2G3
<i>Agapetus minutus</i>	Tiny Saddle-case Caddisfly	W-PK		S3	G4
<i>Agapetus pinatus</i>	Peg-like Saddle-case Caddisfly	W-PK		S3	G4
<i>Agapetus tomus</i>	a saddlecase caddisfly	W-PK		S2	G5
<i>Agraylea multipunctata</i>	Salt and Pepper Microcaddisfly	W-PK		S3	G5
<i>Beraea gorteba</i>	a Caddisfly	W-QD		S1S2	G1G2
<i>Brachycentrus etowahensis</i>	a caddisfly	SR		SH	G3
<i>Ceraclea cama</i>	a longhorned caddisfly	W-PK		S1S2	G1G2
<i>Ceraclea cancellata</i>	Cancelled Long-horned Caddisfly	SR		S2	G5
<i>Ceraclea diluta</i>	Mixed Long-horned Caddisfly	W-PK		S2	G4G5
<i>Ceraclea joannae</i>	Joanna's Ceraclea	SR		S1	G1
<i>Ceraclea mentiea</i>	Liar Long-horned Caddisfly	W-PK		S3	G4G5
<i>Ceraclea punctata</i>	Dotted Long-horned Caddisfly	W-PK		S3	G4G5
<i>Ceraclea slossonae</i>	Slosson's Long-horned Caddisfly	SR		S2	G3G5
<i>Ceraclea sp. 2 nr. excisa</i>	a caddisfly	W-RS		S3	GNR
<i>Ceraclea tarsipunctata</i>	Dot-footed Long-horned Caddisfly	W-PK		S3	G5
<i>Cernotina calcea</i>	Booted Trumpet-net Caddisfly	W-PK		S3	G5
<i>Cheumatopsyche enigma</i>	Mysterious Net-spinning Caddisfly	W-PK		S3	G4G5
<i>Cheumatopsyche geora</i>	a caddisfly	W-PK		S3	G3G4
<i>Cheumatopsyche halima</i>	Seaside Net-spinning Caddisfly	W-PK		S3	G4G5
<i>Cheumatopsyche helma</i>	Helma's Net-spinning Caddisfly	W-PK		S3	G3G4
<i>Cheumatopsyche parentum</i>	a caddisfly	W-PK		S3	G3
<i>Cheumatopsyche richardsoni</i>	Richardson's Cheumatopsyche Caddisfly	W-PK		S1S2	G1G2
<i>Chimarra florida</i>	Floridian Finger-net Caddisfly	W-PK		S3	G4
<i>Dibusa angata</i>	Angulated Microcaddisfly	SR		S2	G4G5
<i>Diplectrona metaqui</i>	a diplectronan caddisfly	SR		S3	G4
<i>Frenesia difficilis</i>	Difficult Northern Caddisfly	W-PK		S3	G4
<i>Goera stylata</i>	Stalked Weighted-case Caddisfly	W-PK		S3	G4

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<b>Caddisflies</b>					
<i>Goerita betteni</i>	a caddisfly	W-PK		S3	G4
<i>Goerita flinti</i>	a caddisfly	SR		S1	G2G3
<i>Goerita semata</i>	a caddisfly	W-PK		S3	G3
<i>Helicopsyche paralimnella</i>	a snailcase caddisfly	W-TH		SU	G2
<i>Homoplectra flinti</i>	a caddisfly	W-PK		S2	G2
<i>Homoplectra monticola</i>	a caddisfly	SR		S1	G2G3
<i>Hydropsyche bassi</i>	a net-spinning caddisfly	W-PK		SU	G2
<i>Hydropsyche carolina</i>	a caddisfly	SR		S1	G3
<i>Hydropsyche fattigi</i>	a caddisfly	W-PK		S3	G5
<i>Hydropsyche ophthalmica</i>	a caddisfly	W-PK		S3	G3
<i>Hydropsyche ventura</i>	Upcoming Net-spinning Caddisfly	W-TH		S3	G4
<i>Hydropsyche walkeri</i>	Walker's Net-spinning Caddisfly	SR		S2	G4
<i>Hydroptila armata</i>	Armed Microcaddisfly	W-PK		S2	G5
<i>Hydroptila coweetensis</i>	a micro caddisfly	W-PK		SU	G1G2
<i>Hydroptila englishi</i>	a caddisfly	W-QD		SU	G2
<i>Hydroptila lloganae</i>	Llogan's Vari-colored Microcaddisfly	W-PK		SU	G3
<i>Hydroptila maculata</i>	Spotted Microcaddisfly	W-PK		S3	G3
<i>Manophylax altus</i>	Mount Mitchell Caddisfly	SR		S1	G1
<i>Mayatrichia ayama</i>	Anagramed Microcaddisfly	W-TH		S2	G5
<i>Micrasema burksi</i>	a caddisfly	W-RS		S3	G3G4
<i>Micrasema sprulesi</i>	Sprules's Humpleless Caddisfly	W-RS		S3	G3G4
<i>Molanna uniophila</i>	Faithful Hood Caddisfly	W-PK		S3	G5?
<i>Nectopsyche waccamawensis</i>	Waccamaw White Miller	SR		S1	G1
<i>Neophylax virginica</i>	a Uenoid Casemaker	W-PK		S1	GNR
<i>Neureclipsis melco</i>	a caddisfly	W-PK		S3	G4
<i>Ochrotrichia confusa</i>	Mixed Microcaddisfly	W-PK		S3	G3G4
<i>Oecetis porteri</i>	Porter's Long-horned Caddisfly	W-TH		S2	G3G4
<i>Oecetis sp. B</i>	a caddisfly	W-TH		S1	G1
<i>Oecetis sp. D</i>	a caddisfly	W-PK		S1	G1
<i>Oecetis sp. E</i>	a caddisfly	W-TH		S2	G2
<i>Oropsyche howellae</i>	a caddisfly	SR		S2	G1
<i>Oxyethira glasa</i>	a caddisfly	W-PD		S3	G5
<i>Oxyethira lumosa</i>	a caddisfly	W-PK		S3	G4
<i>Oxyethira verna</i>	Spring Microcaddisfly	W-PK		S3	G4G5
<i>Padunia jeanae</i>	a Caddisfly	W-RS		S3	G4
<i>Palaeagapetus celsus</i>	Lofty Microcaddisfly	SR		S2	G4
<i>Phylocentropus auriceps</i>	a caddisfly	W-PK		S3	G3G4
<i>Polycentropus coleii</i>	Cole's Trumpet-net Caddisfly	SR		S1	G3G4
<i>Protoptila georgiana</i>	a caddisfly	W-PK		S2	G3G4
<i>Pseudogoera singularis</i>	a caddisfly	W-TH		S2	G2G3
<i>Pseudostenophylax uniformis</i>	a caddisfly	W-TH		S3	G5Q
<i>Psilotreta amera</i>	a caddisfly	W-TH		S2	G3G4
<i>Psilotreta rossi</i>	a caddisfly	W-TH		S2	G3
<i>Psilotreta rufa</i>	a caddisfly	W-RS		S3	G4
<i>Rhyacophila accola</i>	a caddisfly	SR		S1S2	G1G2
<i>Rhyacophila amicis</i>	Friendly Free-living Caddisfly	W-TH		S3	G3G4

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<b>Caddisflies</b>					
<i>Rhyacophila appalachia</i>	a rhyacophilan caddisfly	SR		S2	G3
<i>Rhyacophila celadon</i>	Celadon Caddisfly	SR		S2	G2G3
<i>Rhyacophila montana</i>	a free-living caddisfly	W-TH		SU	G2G3
<i>Rhyacophila mycta</i>	a free-living caddisfly	W-TH		S2S3	G3
<i>Rhyacophila sp. 1</i>	a caddisfly	SR		S2	G2G3
<i>Rhyacophila vibox</i>	Marked Free-living Caddisfly	W-RS		S3	G3G5
<i>Setodes arenatus</i>	a caddisfly	W-TH		S2	G2G3
<i>Setodes stehri</i>	a caddisfly	W-TH		S3	G4
<i>Stactobiella delira</i>	Silly Microcaddisfly	W-PK		S3	G5?
<i>Stactobiella martynovi</i>	a microcaddisfly	W-PK		S3	G4
<i>Triaenodes helo</i>	Marsh Triaenode Caddisfly	W-PK		S3	G3
<i>Triaenodes marginatus</i>	Bordered Long-horned Caddisfly	W-PK		S3	G5
<i>Triaenodes melacus</i>	Funeral Long-horned Caddisfly	W-PK		S3	G5
<i>Triaenodes sp. C</i>	a caddisfly	W-TH		S1	G1G2
<i>Wormaldia thyria</i>	a caddisfly	W-PK		S3	G3
<b>Dragonflies and Damselflies</b>					
<i>Aeshna tuberculifera</i>	Black-tipped Darner	SR		S1	G5
<i>Aeshna verticalis</i>	Green-striped Darner	SR		S1	G5
<i>Arigomphus pallidus</i>	Gray-green Clubtail	SR		S2	G5
<i>Boyeria grafiana</i>	Ocellated Darner	SR		S2?	G5
<i>Calopteryx amata</i>	Superb Jewelwing	SR		S1S2	G5
<i>Cordulia shurtleffii</i>	American Emerald	SR		S1	G5
<i>Coryphaeschna ingens</i>	Regal Darner	SR		S2?	G5
<i>Dromogomphus armatus</i>	Southeastern Spinyleg	W-PK		S3	G4
<i>Dromogomphus spoliatus</i>	Flag-tailed Spinyleg	SR		S1	G4G5
<i>Enallagma sulcatum</i>	Golden Bluet	W-QD		SU	G4
<i>Gomphurus fraternus</i>	Midland Clubtail	SR		S1	G5
<i>Gomphurus hybridus</i>	Cocoa Clubtail	W-PK		S3	G4
<i>Gomphurus lineatifrons</i>	Splendid Clubtail	SR		S2	G4
<i>Gomphurus septima</i>	Septima's Clubtail	SR		S3	G3
<i>Gomphurus ventricosus</i>	Skillet Clubtail	SR		S1	G3
<i>Hylogomphus abbreviatus</i>	Spine-crowned Clubtail	W-RS		S3S4	G4
<i>Hylogomphus adelphus</i>	Mustached Clubtail	SR		S1S2	G5
<i>Hylogomphus apomyius</i>	Banner Clubtail	W-PK		S3	G3G4
<i>Hylogomphus parvidens</i>	Piedmont Clubtail	W-RS		S3	G4
<i>Hylogomphus viridifrons</i>	Green-faced Clubtail	SR		S1	G3G4
<i>Ladona julia</i>	Chalk-fronted Corporal	SR		S1	G5
<i>Lanthus parvulus</i>	Northern Pygmy Clubtail	W-QD		SU	G4G5
<i>Lestes congener</i>	Spotted Spreadwing	SR		S1	G5
<i>Lestes eurinus</i>	Amber-winged Spreadwing	W-RS		S3	G5
<i>Lestes forcipatus</i>	Sweetflag Spreadwing	SR		S1S2	G5
<i>Lestes vidua</i>	Carolina Spreadwing	W-RS		S3	G5
<i>Macrodiplax balteata</i>	Marl Pennant	W-PK		S2S3	G5
<i>Macromia margarita</i>	Mountain River Cruiser	SR		S1	G3
<i>Nannothemis bella</i>	Elfin Skimmer	W-PK		S3S4	G4G5

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<b>Dragonflies and Damselflies</b>					
<i>Neurocordulia alabamensis</i>	Alabama Shadowdragon	W-PK		S3?	G5
<i>Neurocordulia molesta</i>	Smoky Shadowdragon	W-PK		S3?	G4
<i>Neurocordulia virginiensis</i>	Cinnamon Shadowdragon	W-PK		S2?	G4
<i>Neurocordulia yamaskanensis</i>	Stygian Shadowdragon	SR		S1?	G5
<i>Ophiogomphus aspersus</i>	Brook Snaketail	SR		S1	G4
<i>Ophiogomphus edmundo</i>	Edmund's Snaketail	SR		S1	G2
<i>Ophiogomphus howei</i>	Pygmy Snaketail	SR		S1	G3
<i>Ophiogomphus incurvatus</i>	Appalachian Snaketail	W-RS		S3	G3
<i>Ophiogomphus mainensis</i>	Maine Snaketail	W-RS		S3	G4G5
<i>Ophiogomphus rupinsulensis</i>	Rusty Snaketail	SR		S1	G5
<i>Phanogomphus australis</i>	Clearlake Clubtail	SR		S2	G4
<i>Phanogomphus borealis</i>	Beaverpond Clubtail	SR		SH	G5
<i>Phanogomphus cavillaris</i>	Sandhill Clubtail	SR		S1	G4
<i>Phanogomphus descriptus</i>	Harpoon Clubtail	SR		S1	G4G5
<i>Phanogomphus diminutus</i>	Diminutive Clubtail	W-RS		S3S4	G3G4
<i>Phanogomphus quadricolor</i>	Rapids Clubtail	SR		S1S2	G3G4
<i>Progomphus bellei</i>	Belle's Sanddragon	SR		S1	G3
<i>Somatochlora elongata</i>	Ski-tipped Emerald	SR		S2	G5
<i>Somatochlora georgiana</i>	Coppery Emerald	SR		S1?	G3G4
<i>Somatochlora provocans</i>	Treetop Emerald	W-PK		S3?	G4
<i>Stenogomphurus consanguis</i>	Cherokee Clubtail	SR		S1?	G3
<i>Stenogomphurus rogersi</i>	Sable Clubtail	W-RS		S3	G4
<i>Stylogomphus sigmastylus</i>	Interior Least Clubtail	SR		SH	G5
<i>Stylurus amnicola</i>	Riverine Clubtail	W-PK		S3	G4
<i>Stylurus ivae</i>	Shining Clubtail	SR		S1?	G4
<i>Stylurus laurae</i>	Laura's Clubtail	W-PD		S2S3	G4
<i>Stylurus scudderi</i>	Zebra Clubtail	SR		S1S2	G5
<i>Stylurus townesi</i>	Townes' Clubtail	SR		SH	G3
<i>Sympetrum internum</i>	Cherry-faced Meadowhawk	W-QD		SU	G5
<i>Sympetrum obtusum</i>	White-faced Meadowhawk	SR		S1	G5
<i>Triacanthagyna trifida</i>	Phantom Darner	SR		S1	G5
<b>Flies</b>					
<i>Eulonchus marialiciae</i>	Mary Alice's Small-headed Fly	SR		S2	G2G3
<b>Butterflies and Moths</b>					
<i>Abrostola ovalis</i>	Oval Abrostola Moth	W-PK		SU	G4
<i>Acrapex relictia</i>	Relict Cane Moth	W-PK		S3	G4
<i>Acronicta albarufa</i>	Barrens Dagger Moth	SR		S1S2	G3G4
<i>Acronicta dollii</i>	Doll's Dagger	SR		S1S2	G3G4
<i>Acronicta lanceolaria</i>	Narrow-winged Dagger Moth	W-PK		S3?	G4
<i>Acronicta perblanda</i>	Cypress Daggermoth	SR		SH	G3G4
<i>Acronicta sinescripta</i>	a Dagger Moth	SR		S1S2	G3G4
<i>Afrida ydatodes</i>	Dyar's Lichen Moth	W-PK		S1S3	G5
<i>Agrotis buchholzi</i>	Buchholz's Dart Moth	SR		S2S3	G2
<i>Amblyscirtes alternata</i>	Dusky Roadside-Skipper	SR		S2	G3G4



SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
<b>Butterflies and Moths</b>					
<i>Amblyscirtes carolina</i>	Carolina Roadside-Skipper	W-RS		S3S4	G3G4
<i>Amblyscirtes reversa</i>	Reversed Roadside-Skipper	SR		S3	G3
<i>Anicla lubricans</i>	Slippery Dart	W-PK		S3?	G4G5
<i>Anicla simplicius</i>	Simplicius Dart	W-PK		SU	G4
<i>Anicla sullivanii</i>	Sullivan's Anicla Moth	W-PK		SU	G3G4
<i>Apamea inebriata</i>	Drunk Apamea	SR		S1S2	G3G4
<i>Apameine new genus 2 sp. 1</i>	a Cane Borer	SR		S2S3	GNR
<i>Apameine new genus 2 sp. 3</i>	a Canebrake Moth	SR		S2S3	GNR
<i>Apameine new genus 2 sp. 4</i>	a Cane Borer	SR		S1S2	GNR
<i>Apantesis carlotta</i>	Carlotta's Tiger Moth	W-PK		S3	G5
<i>Aplectoides condita</i>	A Noctuid Moth	SR		S2S3	G5
<i>Apoda rectilinea</i>	Rectilinea Slug Moth	W-PK		S1S3	GNR
<i>Arctia caja</i>	Great Tiger Moth	SR		S1	G5
<i>Argillophora furcilla</i>	Silver Fork Cane Moth	W-PK		S2S3	G3G4
<i>Argynnis idalia</i>	Regal Fritillary	SR	PE	SX	G3?
<i>Argyrostromis quadrifilaris</i>	Four-lined Chocolate Moth	SR		S3	G4
<i>Arugisa latiorella</i>	Watson's Arugisa Moth	W-PK		S3?	G4
<i>Atrytone arogos arogos</i>	Eastern Arogos Skipper	SR		SH	G2G3T1T2
<i>Atrytonopsis loammi</i>	Loammi Skipper	SR		SH	G2
<i>Atrytonopsis quinteri</i>	Crystal Skipper	SR		S1	G1
<i>Baltodonta broui</i>	a new Prominent Moth	W-PK		S2S3	G3G4
<i>Bleptina sangamonina</i>	a Litter Moth	SR		S1S2	GU
<i>Burnsius albescens</i>	White Checkered-Skipper	W-PK		SU	G5
<i>Cabera quadrifasciaria</i>	Four-lined Cabera Moth	W-PK		SU	GNR
<i>Calephelis virginiensis</i>	Little Metalmark	SR		S2	G4
<i>Callophrys hesseli</i>	Hessel's Hairstreak	SR		S3	G3
<i>Callophrys irus</i>	Frosted Elfin	SR		S2	G3
<i>Callosamia securifera</i>	Sweetbay Silkmoth	W-PK		SU	G4
<i>Caripeta aretaria</i>	Southern Pine Looper	W-PK		S3S4	G4
<i>Catocala abbreviatella</i>	Abbreviated Underwing Moth	W-PK		SH	G3G4
<i>Catocala alabamiae</i>	Alabama Underwing	W-PK		S2S3	G4
<i>Catocala amestris</i>	Three-staff Underwing	W-PK		SU	G4
<i>Catocala blandula ssp. 1</i>	Southern Charming Underwing	W-PK		S1S3	G5T3
<i>Catocala consors</i>	Consort Underwing	SR		S1	G3?
<i>Catocala dulciola</i>	Sweet Underwing	SR		S2S3	G3G4
<i>Catocala grisatra</i>	Grisatra Underwing	SR		S1S2	G2
<i>Catocala herodias</i>	Herodias Underwing	SR		S1	G3
<i>Catocala illecta</i>	Magdalen Underwing	W-PK		SU	G5
<i>Catocala jair</i>	Jair Underwing	SR		S2	G3G4
<i>Catocala lincolniana</i>	Lincoln Underwing	SR		S2S3	G3G4
<i>Catocala louiseae</i>	Louise's Underwing	SR		S1S2	G4
<i>Catocala marmorata</i>	Marbled Underwing	SR		S1S3	G3?
<i>Catocala messalina</i>	Messalina Underwing	SR		S2?	G4?
<i>Catocala miranda</i>	Miranda Underwing	W-PK		SU	G3?
<i>Catocala myristica</i>	Nutmeg Underwing	SR		S1	G3G4
<i>Catocala orba</i>	Orba Underwing	SR		S2S3	G4

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<b>Butterflies and Moths</b>					
<i>Catocala pretiosa</i>	Precious Underwing	W-PK		S2S3	G4
<i>Catocala sappho</i>	Sappho Underwing	W-PK		SU	G4
<i>Celastrina neglectamajor</i>	Appalachian Azure	W-RS		S3S4	G3?
<i>Celastrina nigra</i>	Dusky Azure	SR		S2	GU
<i>Cerastis fishii</i>	a Dart Moth	W-PK		SU	G4
<i>Ceratomyx satanaria</i>	a Geometrid Moth	W-PK		S2S4	G4
<i>Cerma cora</i>	Owl-eyed Bird-dropping Moth	SR		S2S3	G3G4
<i>Chaetagnalea fergusonii</i>	Ferguson's Sallow	SR		S1S2	G3G4
<i>Cherokeea attackullakulla</i>	Cherokee Moth	SR		S2	G2?
<i>Chlosyne gorgone</i>	Gorgone Checkerspot	SR		S1?	G5
<i>Chytonix sensilis</i>	Barrens Marvel	W-PK		S3?	G4
<i>Cisthene kentuckiensis</i>	Kentucky Lichen Moth	W-PK		SU	GU
<i>Coelodasys apicalis</i>	Plain Schizura	SR		S1S2	G3G4
<i>Cyclophora sp. 1 (culicaria of authors)</i>	Sand-myrtle Geometer	SR		S1	G3
<i>Cycnia inopinatus</i>	Unexpected Cycnia Moth	SR		S2S3	G4
<i>Danaus plexippus</i>	Monarch	W-PD	PT	S4	G4
<i>Dargida aleada</i>	an Armyworm Moth	SR		S1S2	GNR
<i>Dargida rubripennis</i>	Pink Streak	SR		S2S3	G3G4
<i>Dasychira atrivenosa</i>	a Tussock Moth	W-PK		S3?	G4
<i>Dasychira leucophaea</i>	a Tussock Moth	SR		S2S3	G4
<i>Datana ranaecephs</i>	Post-burn Datana Moth	SR		S2S3	G3G4
<i>Datana robusta</i>	a Prominent Moth	SR		S1S2	G2G4
<i>Derrima stellata</i>	Pink Star Moth	SR		SH	G4
<i>Digrammia ordinata</i>	Amorpha Angle	SR		S2S3	GNR
<i>Doryodes bistrialis</i>	Wiregrass Doryodes	W-PK		S3S4	G4
<i>Drasteria graphica</i>	Graphic Moth	SR		S1S2	G4
<i>Dysstroma hersiliata</i>	Orange-barred Carpet Moth	SR		S2S3	G5
<i>Eilema bicolor</i>	Bicolored Moth	SR		S1S2	G5
<i>Elaphria cyanympha</i>	a Midget Moth	SR		S2S3	G4
<i>Elaphria fuscimacula</i>	a Noctuid Moth	W-PK		SU	GNR
<i>Entephria separata</i>	a Geometrid Moth	SR		SH	G4
<i>Erastria coloraria</i>	Broad-lined Erastria Moth	SR		S2S3	G3G4
<i>Erora laeta</i>	Early Hairstreak	SR		S2S3	G2G3
<i>Erynnis martialis</i>	Mottled Duskywing	SR		S2	G3
<i>Eubaphe meridiana</i>	Little Beggar Moth	SR		S2S3	G4
<i>Euchlaena milnei</i>	Milne's Euchlaena	SR		S1S3	G2G4
<i>Euchloe olympia</i>	Olympia Marble	SR		S1	G5
<i>Eucoptocnemis dapsilis</i>	a Dart Moth	SR		S2S3	G4
<i>Eulithis molliculata</i>	Dimorphic Eulithis Moth	W-PK		SU	G4
<i>Eulithis propulsata</i>	Currant Eulithis Moth	SR		S2S3	G5
<i>Euphydryas phaeton</i>	Baltimore Checkerspot	SR		S2	G4
<i>Euphyes berryi</i>	Berry's Skipper	SR		S1S2	G2
<i>Euphyes bimacula</i>	Two-spotted Skipper	SR		S1S2	G4
<i>Euphyes dukesi</i>	Dukes' Skipper	SR		S1S2	G3G4
<i>Eupithecia absinthiata</i>	a Geometrid Moth	W-PK		SU	G5
<i>Eupithecia affinata</i>	a Geometrid Moth	W-PK		SU	GNR

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<b>Butterflies and Moths</b>					
<i>Eupithecia indistincta</i>	a Pug Moth	W-PK		SU	GNR
<i>Eupithecia mutata</i>	Spruce Cone Looper	W-TH		SU	G5
<i>Eupithecia peckorum</i>	Peck's Pug Moth	W-PK		S3?	G4
<i>Eupithecia satyrata</i>	Satyr Pug Moth	W-PK		SU	G5
<i>Eupithecia strattonata</i>	a Pug Moth	W-PK		SU	GNR
<i>Eusarca packardaria</i>	Packard's Eusarca Moth	W-PK		SU	GNR
<i>Euxoa campestris</i>	Flat Dart Moth	SR		S1S2	G5
<i>Euxoa declarata</i>	Clear Dart Moth	SR		S2?	G5
<i>Euxoa violaris</i>	Violet Dart	SR		S1S2	G4
<i>Exyra fax</i>	Epauletted Pitcher-plant Moth	SR		S2S3	G4
<i>Exyra ridingsii</i>	a Pitcher-plant Moth	SR		S2	G2G4
<i>Exyra semicrocea</i>	a Pitcher-plant Moth	SR		S2S3	G3G4
<i>Feltia manifesta</i>	Adobe Dart	W-RS		S3S4	G4
<i>Franclemontia interrogans</i>	Franclemont's Cane Moth	SR		S3?	G3G4
<i>Gabara pulverosalis</i>	an Erebid Moth	W-PK		S3?	G4
<i>Gabara sp. 1</i>	a Noctuid Moth	SR		S1S2	G1G3
<i>Gazoryctra sciophanes</i>	a Ghost Moth	SR		S1?	GU
<i>Glaucopsyche lygdamus</i>	Silvery Blue	W-RS		S2S3	G5
<i>Gondysia similis</i>	Gordonia Darkwing	W-PK		S2S3	G3G4
<i>Gondysia telma</i>	a Noctuid Moth	W-PK		SU	GNR
<i>Grammia doris</i>	Doris Tiger Moth	SR		S1S3	G4?
<i>Grammia phyllira</i>	Phyllira Tiger Moth	W-RS		S3	G3G5
<i>Grammia placentia</i>	Placentia Tiger Moth	SR		S2S3	G3G4
<i>Grammia virguncula</i>	Little Virgin Tiger Moth	W-PK		SH	G5
<i>Hadena ectypa</i>	Campion Coronet	SR		S1S2	G3G4
<i>Heliomata infulata</i>	Rare Spring Moth	W-PK		S2S3	G3G4
<i>Hemaris gracilis</i>	Slender Clearwing	SR		S1S2	G4G5
<i>Hemeroplanis sp. 1 nr. obliqualis</i>	an Owlet Moth	SR		S2S3	GNR
<i>Hemipachnobia monochromatea</i>	Sundew Cutworm Moth	SR		S1?	G4
<i>Hemipachnobia subporphyrea</i>	Venus Flytrap Cutworm Moth	SR		S1?	G1
<i>Heraclides cresphontes</i>	Eastern Giant Swallowtail	SR		S2	G5
<i>Hermeuptychia intricata</i>	Intricate Satyr	W-PK		S3?	GNR
<i>Hesperia attalus</i>	Dotted Skipper	SR		S1	G3G4
<i>Hesperia leonardus</i>	Leonard's Skipper	W-RS		S2S3	G4
<i>Hesperia meskei</i>	Meske's Skipper	SR		S2	G3G4
<i>Hesperia metea</i>	Cobweb Skipper	SR		S2	G4
<i>Hesperia sassacus</i>	Indian Skipper	W-RS		S3	G5
<i>Heterocampa varia</i>	a Prominent Moth	SR		S1S2	G3G4
<i>Hydrelia condensata</i>	a Carpet Moth	W-PK		SU	G4
<i>Hydriomena divisaria</i>	Black-dashed Hydriomena Moth	W-PK		S2S3	G5
<i>Hydriomena exculpata</i>	a Geometrid Moth	SR		SH	G5
<i>Hypagyrtis brendae</i>	Brenda's Hypagyrtis Moth	SR		S2S3	G4
<i>Hypena appalachiensis</i>	Appalachian Bomolocha Moth	W-PK		S2S3	G3G4
<i>Hyperstrotia aetheria</i>	a Graylet Moth	W-PK		S3?	GNR
<i>Hypocala andremona</i>	Hypocala Moth	W-PK		SU	GNR
<i>Hypomecis buchholzaria</i>	Buchholz's Gray	SR		S1S2	G3G4

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<b>Butterflies and Moths</b>					
<i>Hypomecis longipectinaria</i>	Broadly Pectinate Hypomecis Moth	W-PK		S3S4	G3G4
<i>Idaea eremiata</i>	Straw Wave	W-PK		S3S4	G4
<i>Idaea hilliata</i>	Hill's Wave Moth	W-PK		SU	GNR
<i>Idaea micropterata</i>	a Wave	W-PK		S3?	GNR
<i>Idaea ostentaria</i>	Showy Wave	SR		S2S3	GNR
<i>Idaea productata</i>	a Wave	W-PK		SU	G4
<i>Idaea scintillularia</i>	Diminutive Wave	W-PK		SU	GNR
<i>Idia majoralis</i>	Greater Idia Moth	SR		S1S3	GNR
<i>Ipimorpha pleonectusa</i>	Even-lined Sallow	W-PK		SU	G5
<i>Iridopsis cyressaria</i>	Small Cypress Looper	SR		S2S3	GU
<i>Korscheltellus gracilis</i>	Conifer Swift Moth	SR		S1S2	GNR
<i>Lacanobia grandis</i>	Grand Arches Moth	SR		S1S2	G5
<i>Lagoa pyxidifera</i>	Yellow Flannel Moth	SR		S2S3	G4G5
<i>Lemmeria digitalis</i>	Fingered Lemmeria Moth	SR		S1S3	G4
<i>Leptostales laevitaria</i>	Raspberry Wave	SR		S2S3	G4
<i>Leucania calidior</i>	Cane Wainscot	SR		S1S2	G2G4
<i>Leucania incognita</i>	a Wainscot Moth	W-PK		S1S2	GNR
<i>Lithacodia sp. 2</i>	a Bird-dropping Moth	W-PK		S1S3	G1G3
<i>Lithophane abita</i>	Cypress Pinion	W-PK		SU	G4
<i>Lithophane georgii</i>	Large Grey Pinion	SR		S1S2	G5
<i>Lithophane joannis</i>	a Noctuid Moth	W-PK		SU	G4
<i>Lithophane laceyi</i>	a Pinion Moth	W-PK		SU	G4
<i>Lithophane lemmeri</i>	Lemmer's Pinion	W-PK		S1S3	G3G4
<i>Lithophane lepida adipel</i>	a Pinion Moth	W-PK		SU	G4T4
<i>Lithophane oriunda</i>	Immigrant Pinion	SR		S1?	G4
<i>Lithophane scottae</i>	a Pinion Moth	W-PK		SU	G2G4
<i>Lithophane tepida</i>	White-eyed Pinion	W-PK		SU	G5
<i>Litoprosopus futilis</i>	Palmetto Borer	W-PK		SU	G4
<i>Loscopia roblei</i>	Roble's Cane Borer	SR		S2S3	G3G4
<i>Lytrosis heitzmanorum</i>	a Geometrid Moth	W-PK		SU	G5
<i>Lytrosis permagnaria</i>	A Geometrid Moth	SR		S2S3	G3G4
<i>Macrochilo louisiana</i>	Louisiana Owlet Moth	W-PK		S3?	G4
<i>Macrochilo santerivalis</i>	an Owlet Moth	W-PK		SU	G3G4
<i>Macrochilo sp. 1 nr. absorptalis</i>	a Noctuid Moth	SR		S1	G3
<i>Megathymus cofaqui</i>	Cofaqui Giant-Skipper	SR		S1	G3G4
<i>Megathymus yuccae</i>	Yucca Giant-Skipper	W-RS		S3S4	G5
<i>Melanapamea mixta</i>	a Borer Moth	SR		S2S3	GU
<i>Meropleon cinnamicolor</i>	a Borer Moth	SR		S1?	GU
<i>Meropleon diversicolor sullivanii</i>	an Owlet Moth	SR		S1S2	G5T1T3
<i>Metalectra albilinea</i>	White-lined Fungus Moth	SR		S2S3	GNR
<i>Metanema determinata</i>	Dark Metanema Moth	W-PK		SU	G5
<i>Metarranthis lateritaria</i>	a Geometrid Moth	W-PK		SU	G3G4
<i>Metarranthis mollicularia</i>	a Geometrid Moth	W-PK		SU	GNR
<i>Metarranthis sp. 1</i>	Mid-Atlantic Metarranthis Moth	W-PK		S3S4	G3G4
<i>Nematocampa baggettaria</i>	Baggett's Nematocampa	SR		S1S2	G2G4
<i>Nemoria bifilata</i>	White-barred Emerald	W-PK		S3?	G4

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<b>Butterflies and Moths</b>					
<i>Nemoria outina</i>	an Emerald Moth	W-PK		SU	GNR
<i>Nemoria rubrifrontaria</i>	Red-fronted Emerald	W-PK		SH	GNR
<i>Nemoria tuscarora</i>	Tuscarora Emerald	SR		S1S3	GU
<i>Neonympha areolatus</i>	Georgia Satyr	SR		S2	G3G4
<i>Neonympha mitchellii francisci</i>	Saint Francis' Satyr	SR	E	S1	G2T1
<i>Neoplynes eudora</i>	a Wasp Moth	W-PK		S2S3	G5
<i>Oligia chlorostigma</i>	a Brocade Moth	W-PK		SU	G4
<i>Operophtera bruceata</i>	Bruce Spanworm Moth	W-PK		SU	G5
<i>Orgyia antiqua</i>	Rusty Tussock Moth	SR		S1S2	G5
<i>Orgyia detrita</i>	a tussock moth	W-PK		S2S3	G3G4
<i>Pachypolia atricornis</i>	Three-horned Sallow	SR		S2S3	G3G4
<i>Paectes nubifera</i>	Clouded Paectes Moth	W-PK		SU	GNR
<i>Pangrapta sp. 1</i>	Whitish Pangrapta	W-PK		S1S3	GU
<i>Papaipema appassionata</i>	Pitcher-plant Borer Moth	SR		S2S3	G3G4
<i>Papaipema araliae</i>	Aralia Shoot Borer Moth	W-PK		S2S4	G3G4
<i>Papaipema astuta</i>	Yellow Stoneroot Borer Moth	SR		S1S2	G3?
<i>Papaipema cerina</i>	Golden Borer Moth	SR		S1S2	G3
<i>Papaipema duplicatus</i>	Dark Stoneroot Borer Moth	W-PK		SH	G1G2
<i>Papaipema eryngii</i>	Rattlesnake-master Borer Moth	SR		SH	G2
<i>Papaipema furcata</i>	Ash Tip Borer Moth	W-PK		SU	G4
<i>Papaipema insulidens</i>	Umbellifer Borer Moth	W-PK		SU	GU
<i>Papaipema lysimachiae</i>	Loosestrife Borer Moth	W-PK		SU	G4G5
<i>Papaipema necopina</i>	Sunflower Borer Moth	W-PK		SU	G4
<i>Papaipema nepheleptena</i>	Turtle Head Borer Moth	W-PK		SU	G4G5
<i>Papaipema polymniae</i>	Cup Plant Borer Moth	W-PK		SU	G4?
<i>Papaipema sp. 3</i>	Southeastern Cane Borer Moth	W-PK		S3S4	G4
<i>Parahyphenodes quadralis</i>	Masked Parahyphenodes Moth	W-PK		S1S2	G4
<i>Petrophora subaequaria</i>	Northern Petrophora Moth	SR		SH	G5
<i>Photodes carterae</i>	Carter's Noctuid Moth	SR		S2S3	G2G3
<i>Photodes enervata</i>	a Borer Moth	W-PK		SU	G4
<i>Phyciodes batesii maconensis</i>	Appalachian Tawny Crescent	SR		S2	G3G4T3
<i>Phyciodes incognitus</i>	Incognito Crescent	W-PK		S3?	GU
<i>Phyciodes phaon</i>	Phaon Crescent	W-TH		S2S3	G5
<i>Pimaphera percata</i>	an Inchworm Moth	W-PK		S1S2	GNR
<i>Platarctia parthenos</i>	St. Lawrence Tiger Moth	SR		S1S2	G5
<i>Poanes aaroni</i>	Aaron's Skipper	SR		S1	G4
<i>Polites mystic</i>	Long Dash	SR		S1	G5
<i>Polychrysis morigera</i>	A Looper Moth	SR		S2S3	G4
<i>Polygonia faunus</i>	Green Comma	SR		S1S2	G5
<i>Polygonia progne</i>	Gray Comma	SR		S1	G5
<i>Ponometia parvula</i>	a Bird-dropping Moth	W-PK		S2S3	GNR
<i>Ponometia tortricina</i>	a Bird-dropping Moth	W-PK		SU	GNR
<i>Pontia protodice</i>	Checkered White	SR		S1S2	G4
<i>Problema bulenta</i>	Rare Skipper	SR		S1	G3
<i>Properigea costa</i>	Barrens Moth	W-PK		SU	G4
<i>Properigea tapeta</i>	a Noctuid Moth	W-PK		SU	GNR

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
<b>Butterflies and Moths</b>					
<i>Protapamea louisae</i>	Louisa's Cane Borer	SR		S1	GNR
<i>Protodeltote sp. 1</i>	a Bird-dropping Moth	W-PK		S1S3	G1G3
<i>Psamatodes abydata</i>	Dot-lined Angle	W-PK		SU	GNR
<i>Pseudeva purpurigera</i>	Straight-lined Looper	W-PK		S1S2	G5
<i>Ptichodis bistrigata</i>	Southern Ptichodis	W-RS		S3S4	G3
<i>Pygarctia abdominalis</i>	Yellow-edged Pygarctia	SR		S2S3	G3
<i>Pyreferra ceromatica</i>	Annointed Sallow Moth	SR		S1S2	GU
<i>Pyrgus centaureae wyandot</i>	Appalachian Grizzled Skipper	SR		S1	G5T1T2
<i>Pyrrhia aurantiago</i>	Orange Sallow Moth	SR		S1S3	G3G4
<i>Rivula stepheni</i>	a Noctuid Moth	W-PK		SU	GNR
<i>Satyrium caryaevorus</i>	Hickory Hairstreak	SR		S1	G4
<i>Satyrium edwardsii</i>	Edwards' Hairstreak	SR		S2	G4
<i>Satyrium favonius favonius</i>	Southern Oak Hairstreak	SR		S1	G5T4
<i>Satyrium favonius ontario</i>	Northern Oak Hairstreak	SR		S2S3	G5T4
<i>Satyrium kingi</i>	King's Hairstreak	W-RS		S3S4	G3G4
<i>Schinia bina</i>	Bina Flower Moth	SR		SH	G4
<i>Schinia carolinensis</i>	Carolina Schinia Moth	SR		S2S3	G3
<i>Schinia indiana</i>	Phlox Moth	W-PK		SH	G2G4
<i>Schinia jaguarina</i>	Jaguar Flower Moth	SR		S1S3	G4
<i>Schinia obscurata</i>	Erigeron Flower Moth	W-PK		S2S3	G4
<i>Schinia sanguinea</i>	Bleeding Flower Moth	W-PK		S2S3	G4
<i>Schinia scissoides</i>	Divided Flower Moth	W-PK		S2S3	GNR
<i>Schinia septentrionalis</i>	Northern Flower Moth	SR		SH	G3G4
<i>Schinia siren</i>	Alluring Schinia Moth	W-PK		SU	GNR
<i>Schinia sordidus</i>	Sordid Flower Moth	W-PK		S2S3	G4?
<i>Schizura matheri</i>	a new Prominent Moth	SR		S1S2	GU
<i>Scopula aemulata</i>	Diminutive Wave	W-PK		SU	GNR
<i>Scopula cacuminaria</i>	Frosted Tan Wave Moth	W-PK		S2S3	G4
<i>Scopula ordinata</i>	a Wave Moth	W-PK		SU	GU
<i>Scopula purata</i>	Chalky Wave	W-PK		S2S3	G4
<i>Selenisa sueroides</i>	Pale-edged Selenisa Moth	W-PK		SU	GNR
<i>Speranza subcessaria</i>	Barred Angle	SR		S2S3	G5
<i>Speyeria diana</i>	Diana Fritillary	W-RS		S3S4	G2G3
<i>Sphingicampa bicolor</i>	Honey Locust Moth	W-PK		S3?	G5
<i>Sphingicampa bisecta</i>	Bisected Honey Locust Moth	SR		S1?	G5
<i>Sphinx chersis</i>	Great Ash Sphinx	SR		S1?	G4
<i>Sphinx franckii</i>	Franck's Sphinx	W-PK		SU	G4G5
<i>Spilosoma dubia</i>	Dubious Tiger Moth	W-PK		S3?	G5
<i>Stenoporpia polygrammaria</i>	Faded Gray Geometer	SR		S1S2	GU
<i>Stiria rugifrons</i>	Yellow Sunflower Moth	W-PK		SU	G4
<i>Sympistis dinalda</i>	a Sallow	W-PK		SU	GNR
<i>Sympistis perscripta</i>	Scribbled Sallow	W-PK		SU	G4
<i>Syngrapha alias</i>	Hooked Silver Y Moth	SR		S2?	G5
<i>Tacparia detersata</i>	Pale Alder Moth	W-PK		SU	G5
<i>Telegonus cellus</i>	Golden Banded-Skipper	SR		S2	G5
<i>Thorybes confusus</i>	Confused Cloudywing	W-PK		S3S4	G4

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
<b>Butterflies and Moths</b>					
<i>Tolyte minta</i>	Southern Tolyte Moth	SR		S2S3	G4
<i>Tornos abjectarius</i>	a Tornos Moth	W-PK		S2S3	GNR
<i>Tornos cinctarius</i>	a Tornos Moth	W-PK		SU	GNR
<i>Tripudia flavofasciata</i>	a Seed Moth	W-PK		SU	GNR
<i>Ulolonche modesta</i>	Modest Quaker Moth	W-PK		SU	G5
<i>Xestia perquiritata</i>	Boomerang Dart	SR		S1	G5
<i>Xestia youngii</i>	Young's Dart Moth	W-PK		S3S4	G5
<i>Zale declarans</i>	Live Oak Zale	SR		S2S3	G5
<i>Zale fictilis</i>	an Owlet Moth	W-PK		SU	G5
<i>Zale sp. 2 nr. squamularis</i>	a new Zale	W-PK		SU	G4Q
<i>Zale sp. 3 nr. buchholzi</i>	an Owlet Moth	W-PK		S2S3	G3G4
<i>Zanclognatha atrilineella</i>	an Owlet Moth	W-PK		S1S3	GU
<i>Zanclognatha dentata</i>	an Owlet Moth	W-PK		SU	G3G4
<b>Grasshoppers and Katydid</b>					
<i>Amblycorypha arenicola</i>	Sandhill Virtuoso Katydid	W-PK		S2S3	GNR
<i>Amblycorypha bartrami</i>	Bartram's Round-winged Katydid	W-PK		S2S3	GNR
<i>Arphia granulata</i>	Southern Yellow-winged Grasshopper	SR		S2S3	G5
<i>Atlanticus gibbosus</i>	Gibbous Shield-back Katydid	W-QD		SU	GNR
<i>Belocephalus subapterus</i>	Half-winged Cone Head Katydid	W-PK		S2S3	GNR
<i>Booneacris variegata</i>	Variiegated Wingless Locust	SR		S2?	G5
<i>Dendrotettix australis</i>	Scrub Pine Grasshopper	W-PK		SU	GU
<i>Dendrotettix zimmermanni</i>	Carolina Oak Grasshopper	SR		S1?	GU
<i>Encoptolophus sordidus</i>	Dusky Grasshopper	W-QD		SU	G5
<i>Eotettix pusillus</i>	Little Eastern Grasshopper	SR		S2?	G2G3
<i>Hesperotettix viridis</i>	Meadow Purple-striped Grasshopper	W-PK		SU	G5
<i>Hubbellia marginifera</i>	Pine Katydid	W-PK		S3?	GNR
<i>Inscudderia walkeri</i>	Eastern Cypress Katydid	W-PK		SU	GNR
<i>Melanoplus acrophilus</i>	a Spur-throat Grasshopper	W-PK		S2S3	G2G3
<i>Melanoplus angustipennis</i>	Narrow-winged Spur-throat Grasshopper	W-PK		S2S3	G5
<i>Melanoplus attenuatus</i>	Slender-bodied Short-wing Grasshopper	SR		SH	G2G3
<i>Melanoplus carnegiei</i>	Carnegie Short-wing Grasshopper	SR		SH	GU
<i>Melanoplus cherokee</i>	Cherokee Melanoplus	SR		S2?	G1G3
<i>Melanoplus coreyi</i>	a Spur-throat Grasshopper	SR		S1	GNR
<i>Melanoplus deceptus</i>	Deceptive Melanoplus	W-RS		S3	G2G4
<i>Melanoplus decoratus</i>	Decorated Melanoplus	SR		S1S2	GU
<i>Melanoplus decorus</i>	Decorated Spur-throat Grasshopper	SR		S2S3	G2G3
<i>Melanoplus devius</i>	Devious Short-wing Grasshopper	W-PK		SU	GU
<i>Melanoplus divergens</i>	Divergent Melanoplus	SR		SH	G2G3
<i>Melanoplus euryercus</i>	a Green-legged Grasshopper	SR		S1	G4
<i>Melanoplus hubbelli</i>	Hubbell's Melanoplus	W-PK		SU	G4
<i>Melanoplus impudicus</i>	Immodest Spur-throat Grasshopper	W-PK		SH	G4G5
<i>Melanoplus mirus</i>	Weldon Short-wing Grasshopper	SR		S1?	G1
<i>Melanoplus nigrescens</i>	Black-sided Spur-throat Grasshopper	W-PK		S3?	GU
<i>Melanoplus nossi</i>	Noss' Short-winged Grasshopper	SR		S1S2	GNR
<i>Melanoplus nubilus</i>	Nubile Short-wing Grasshopper	SR		S2	G2G3

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
<b>Grasshoppers and Katydids</b>					
<i>Melanoplus pachycercus</i>	a Spur-throat Grasshopper	SR		S1S2	G2G3
<i>Melanoplus serrulatus</i>	Nantahala Short-wing Grasshopper	SR		SH	G1G3
<i>Melanoplus similis</i>	a Spur-throat Grasshopper	SR		SH	G5
<i>Melanoplus strumosus</i>	Swollen Spur-throat Grasshopper	W-PK		S2S3	G4G5
<i>Melanoplus sylvestris</i>	a Spur-throat Grasshopper	W-PK		S3?	G1G3
<i>Melanoplus tribulus</i>	Tribulus Spur-throat Grasshopper	W-PK		SU	G4G5
<i>Melanoplus walshii</i>	Walsh's Locust	W-PK		SU	G4G5
<i>Mermiria bivittata</i>	Two-striped Mermiria	SR		S2S3	G5
<i>Mermiria intertexta</i>	Intertexta Mermiria	W-PK		S3S4	G4?
<i>Mermiria picta</i>	Lively Mermiria	W-PK		S3?	G5
<i>Montezumina modesta</i>	Modest Katydid	W-PK		SU	GU
<i>Neoconocephalus velox</i>	Swift-flying Cone Head Katydid	W-PK		SU	GNR
<i>Orchelimum bradleyi</i>	Bradley's Meadow Katydid	W-PK		SU	GNR
<i>Orchelimum superbum</i>	Superb Meadow Katydid	W-PK		SU	GNR
<i>Paratylotropidia beutenmuelleri</i>	Beutenmueller's Grasshopper	W-PK		SU	G4
<i>Pardalophora apiculata</i>	Coral-winged Grasshopper	W-PK		SU	G5
<i>Romalea microptera</i>	Eastern Lubber Grasshopper	W-PK		SU	G5
<i>Scudderia curvicauda laticauda</i>	Broad-tailed Bush Katydid	W-PK		SU	G5TNR
<i>Scudderia septentrionalis</i>	Northern Bush Katydid	W-PK		S2S3	G3?
<i>Stenacris vitreipennis</i>	Glassy-winged Toothpick Grasshopper	W-PK		S1S3	G5
<i>Stethophyma celatum</i>	Broad-winged Sedge Grasshopper	SR		S1S2	G4
<i>Trachyrhachys kiowa</i>	Ash-brown Grasshopper	W-PK		SU	G5
<i>Trimerotropis saxatilis</i>	Lichen Grasshopper	SR		S2?	G3
<b>Beetles</b>					
<i>Cicindela ancocisconensis</i>	Appalachian Tiger Beetle	SR		S1S2	G3
<i>Cicindela nigrrior</i>	Autumn Tiger Beetle	SR		S1	G2G3
<i>Cicindela patruela</i>	Northern Barrens Tiger Beetle	SR		S2?	G3
<i>Ellipsoptera blanda</i>	Sandbar Tiger Beetle	W-PK		S2S3	G3G4
<i>Ellipsoptera lepida</i>	Ghost Tiger Beetle	SR		S1?	G3
<i>Gonielmis dietrichi</i>	a Water Beetle	W-PK		S2	GNR
<i>Lordithon niger</i>	Black Lordithon Rove Beetle	W-QD		SU	GU
<i>Nicrophorus americanus</i>	American Burying Beetle	SR	E	SH	G3
<i>Stenelmis gammoni</i>	Gammon's Stenelmis Riffle Beetle	SR		S2	G2G3
<i>Stenelmis hollandi</i>	a riffle beetle	SR		S1	G1
<i>Stenelmis morsei</i>	a Riffle Beetle	W-TH		S2	GNR
<i>Stenelmis sp. 1</i>	Harley's Stenelmis Riffle Beetle	W-PK		S1	GNR
<i>Stenelmis sp. 2</i>	William's Stenelmis Riffle Beetle	W-RS		S2	GNR
<i>Stenelmis sp. 3</i>	a Riffle Beetle	W-PK		S2	GNR
<i>Trechus balsamensis</i>	a Ground Beetle	SR		S1	GH
<i>Trechus carolinae</i>	a Ground Beetle	SR		SH	GH
<i>Trechus luculentus luculentus</i>	Bright Ground Beetle	SR		S1	GH
<i>Trechus mitchellensis</i>	Mitchell's Ground Beetle	SR		S1	GH
<i>Trechus novaculosus</i>	a Ground Beetle	SR		S1	GH
<i>Trechus roanicus</i>	Roan Mountain Ground Beetle	SR		S1	GH
<i>Trechus rosenbergi</i>	Rosenberg's Ground Beetle	SR		S1	GH



SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
<b>Beetles</b>					
<i>Trechus satanicus</i>	a Ground Beetle	SR		S1	GH
<i>Trechus subtilis</i>	Fine Ground Beetle	SR		S1	GH
<i>Trechus unicoi</i>	Unicoi Mountains Ground Beetle	SR		S1	GHTH
<b>True Bugs and Allies</b>					
<i>Chlorochroa dismalia</i>	Dismal Swamp Green Stink Bug	SR		S1?	G1G3
<b>Bees</b>					
<i>Andrena accepta</i>	Two-spotted Miner Bee	W-PK		SH	GNR
<i>Andrena arabis</i>	Mustard Miner Bee	W-PK		SH	GNR
<i>Andrena carolinensis</i>	an andrenid bee	W-PK		SH	GNR
<i>Andrena chromotricha</i>	Pigmented Miner Bee	W-PK		SH	GNR
<i>Andrena crawfordi</i>	an andrenid bee	W-PK		SH	GNR
<i>Andrena rudbeckiae</i>	an andrenid bee	W-PK		SH	GNR
<i>Bombus affinis</i>	Rusty-patched Bumble Bee	SR	E	S1	G2
<i>Bombus fervidus</i>	Yellow Bumble Bee	W-PK		S3S4	G3G4
<i>Bombus fraternus</i>	Southern Plains Bumble Bee	W-PK		S2S3	G3G4
<i>Bombus pennsylvanicus</i>	American Bumble Bee	W-PK		S3S4	G3G4
<i>Bombus rufocinctus</i>	Red-belted Bumble Bee	W-PK		SH	G5
<i>Bombus terricola</i>	Yellow-banded Bumble Bee	W-PK		S3S4	G3G4
<i>Bombus variabilis</i>	Variable Cuckoo Bumble Bee	SR		SH	G1G2
<i>Caupolicana electa</i>	a plasterer bee	SR		SH	G2
<i>Colletes kincaidii</i>	Kincaid's Plasterer Bee	W-PK		S2S3	G5
<i>Epeolus banksi</i>	Banks' Epeolus	W-PK		SH	GNR
<i>Epeolus erigeronis</i>	Fleabane Cuckoo Nomad Bee	W-PK		SH	GNR
<i>Lasioglossum ceanothi</i>	a sweat bee	W-PK		S2S3	GNR
<i>Lithurgus gibbosus</i>	a mason bee	W-PK		SH	GNR
<i>Megachile brimleyi</i>	a leafcutter bee	SR		SH	G1G3
<i>Megachile deflexa</i>	a leafcutter bee	SR		SH	G2
<i>Megachile ingenua</i>	a leafcutter bee	SR		SH	G2?
<i>Megachile integra</i>	a leafcutter bee	SR		SH	G2G3
<i>Megachile integrella</i>	a leafcutter bee	SR		S1S2	G1G2
<i>Megachile oenotherae</i>	a leafcutter bee	SR		SH	G1G3
<i>Megachile rubi</i>	a leafcutter bee	W-PK		S2S3	G3
<i>Megachile rugifrons</i>	a leafcutter bee	W-PK		SH	G2G3
<i>Megachile townsendiana</i>	a leafcutter bee	W-PK		SH	G4G5
<i>Nomada indusata</i>	a cuckoo bee	W-PK		SH	GNR
<i>Nomada inepta</i>	Inept Cuckoo Nomad Bee	W-PK		SH	GNR
<i>Nomada minima</i>	a cuckoo bee	W-PK		SH	GNR
<i>Nomada tyrrellensis</i>	a cuckoo bee	SR		SH	GNR
<i>Stelis vernalis</i>	Spring Cuckoo Carder Bee	W-PK		SH	GNR
<i>Triepeolus sublunatus</i>	a cuckoo bee	W-PK		SH	GNR

<b>SCIENTIFIC NAME</b>	<b>COMMON NAME</b>	<b>STATE STATUS</b>	<b>FEDERAL STATE STATUS</b>	<b>RANK</b>	<b>GLOBAL RANK</b>
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**CITATION**

Ratcliffe, J.A., L.E. Hamon, and M.B. East. 2024. Natural Heritage Program List of the Rare Animal Species of North Carolina, 2024. North Carolina Natural Heritage Program, N.C. Department of Natural and Cultural Resources, Raleigh, NC.  
[www.ncnhp.org](http://www.ncnhp.org)

## ENDEMIC ANIMALS IN NORTH CAROLINA

This is a list of all taxa (including subspecies) considered to be strictly endemic to North Carolina. The list does not include taxa whose range barely extends into another state, such as taxa endemic to the Roan Mountain area or Great Smoky Mountains National Park. The lists of most of the insect groups (other than butterflies, dragonflies, and damselflies) are incomplete, as are the lists for spiders and other arachnids. There are no endemic taxa of birds.

SCIENTIFIC NAME	COMMON NAME
<b>MAMMALS</b>	
<i>Peromyscus leucopus buxtoni</i>	Buxton Woods White-footed Deermouse
<i>Sorex sp. 1</i>	a shrew (Albemarle-Pamlico Peninsula)
<b>REPTILES</b>	
<i>Lampropeltis getula sticticeps</i>	Outer Banks Kingsnake
<i>Nerodia sipedon williamengelsi</i>	Carolina Watersnake
<b>AMPHIBIANS</b>	
<i>Aneides caryaensis</i>	Hickory Nut Gorge Green Salamander
<i>Desmognathus balsameus</i>	Great Balsam Mountain Dusky Salamander
<i>Desmognathus imitator pop. 1</i>	Imitator Salamander - Waterrock Knob
<i>Eurycea arenicola (fmr sp. 9)</i>	Sandhills Salamander
<i>Necturus lewisi</i>	Neuse River Waterdog
<i>Plethodon amplus</i>	Blue Ridge Gray-cheeked Salamander
<i>Plethodon cheoah</i>	Cheoah Bald Salamander
<i>Plethodon meridianus</i>	South Mountain Gray-cheeked Salamander
<i>Plethodon yonahlossee pop. 1</i>	Crevice Salamander
<b>FRESHWATER FISHES</b>	
<i>Etheostoma perlongum</i>	Waccamaw Darter
<i>Fundulus sp. cf. diaphanus</i>	Lake Phelps Killifish
<i>Fundulus waccamensis</i>	Waccamaw Killifish
<i>Lythrurus matutinus</i>	Pinewoods Shiner
<i>Menidia extensa</i>	Waccamaw Silverside
<i>Notropis mekistocholas</i>	Cape Fear Shiner
<i>Noturus furiosus</i>	Carolina Madtom
<b>MOLLUSKS - FRESHWATER BIVALVES</b>	
<i>Alasmidonta sp. 1</i>	a bivalve (Upper Yadkin River system)
<i>Alasmidonta robusta</i>	Carolina Elktoe
<i>Alasmidonta uwharriensis (fmr sp. 2)</i>	a bivalve (Uwharries region)
<i>Elliptio marsupiobesa</i>	Cape Fear Spike
<i>Lampsilis fullerhati</i>	Waccamaw Fatmucket
<i>Lampsilis sp. 3</i>	a bivalve (Deep River system)
<i>Parvaspina steinstansana</i>	Tar River Spinymussel
<b>MOLLUSKS - FRESHWATER GASTROPODS</b>	
<i>Cincinnatia sp. 1</i>	Waccamaw Siltsnail
<i>Helisoma eucosmium</i>	Greenfield Rams-horn
<i>Planorbella magnifica</i>	Magnificent Rams-horn
<b>MOLLUSKS - TERRESTRIAL GASTROPODS</b>	
<i>Carychium arboreum</i>	Tree Thorn
<i>Catinella waccamawensis</i>	Waccamaw Ambersnail
<i>Fumonelix cherohalaensis</i>	Rock-loving Covert

MOLLUSKS - TERRESTRIAL GASTROPODS	
<i>Fumonelix orestes</i>	Engraved Covert
<i>Glyphyalinia clingmani</i>	Fragile Glyph
<i>Helicodiscus bonamicus</i>	Spiral Coil
<i>Novisuccinea sp. 1 nr. chittenangoensis</i>	an ambersnail
<i>Paravitrea lacteodens</i>	Ramp Cove Supercoil
<i>Patera nantahala</i>	Noonday Globe
<i>Pilsbryna clingmani</i>	Fragile Glyph
<i>Triodopsis fulciden</i>	Dwarf Threetooth
<i>Triodopsis soelneri</i>	Cape Fear Threetooth
ARACHNIDS	
<i>Hypochilus coylei</i>	a lampshade weaver
<i>Hypochilus sheari</i>	a lampshade weaver
<i>Nesticus bishopi</i>	a cave cobweb spider
<i>Nesticus brimleyi</i>	a cave cobweb spider
<i>Nesticus carolinensis</i>	Linville Caverns Spider
<i>Nesticus cooperi</i>	Lost Nantahala Cave Spider
<i>Nesticus crosbyi</i>	a cave cobweb spider
<i>Nesticus gertschi</i>	a cave cobweb spider
<i>Nesticus nasicus</i>	a cave cobweb spider
<i>Nesticus sheari</i>	a cave cobweb spider
<i>Nesticus silvanus</i>	a cave cobweb spider
<i>Nesticus sp. 2</i>	a cave cobweb spider
CRUSTACEANS	
<i>Caecidotea carolinensis</i>	Bennett's Mill Cave Water Slater
<i>Cambarus brimleyorum</i>	Valley River Crayfish
<i>Cambarus burchfielae</i>	Falls Crayfish
<i>Cambarus catagius</i>	Greensboro Burrowing Crayfish
<i>Cambarus davidi</i>	Carolina Ladle Crayfish
<i>Cambarus eeseehensis</i>	Grandfather Mountain Crayfish
<i>Cambarus franklini</i>	South Mountains Crayfish
<i>Cambarus hystricosus</i>	Sandhills Spiny Crayfish
<i>Cambarus johni</i>	Carolina Foothills Crayfish
<i>Cambarus lapidosus</i>	Stony Fork Crayfish
<i>Cambarus lenati</i>	Broad River Stream Crayfish
<i>Cambarus reburrus</i>	French Broad River Crayfish
<i>Cambarus tuckasegee</i>	Tuckasegee Stream Crayfish
<i>Dactylocythere chelomata</i>	Cherokee Crayfish Ostracod
<i>Dactylocythere isabelae</i>	Catawba Crayfish Ostracod
<i>Dactylocythere peedeeensis</i>	Pee Dee Crayfish Ostracod
<i>Dactylocythere prinsi</i>	Whitewater Crayfish Ostracod
<i>Diacyclops jeanneli putei</i>	Carolina Well Diacyclops
<i>Harpagocythere baileyi</i>	Highlands Crayfish Ostracod
<i>Procambarus medialis</i>	Pamlico Crayfish
<i>Procambarus plumimanus</i>	Croatan Crayfish
<i>Skistodiaptomus carolinensis</i>	Carolina Skistodiaptomus
<i>Stygobromus carolinensis</i>	Yancy Sideswimmer
<i>Waltoncythere acuta</i>	Transylvania Crayfish Ostracod

INSECTS - MAYFLIES	
<i>Baetopus trishae</i>	a mayfly
<i>Maccaffertium wudigeum</i>	Wilson Creek "Stenonema"
<i>Rithrogena rubicunda</i>	a flat-headed mayfly
INSECTS - STONEFLIES	
<i>Alloperla lenati</i>	Sandhill Sallfly
<i>Haploperla fleeki</i>	Piedmont Sallfly
<i>Haploperla parkeri</i>	Parker Sallfly
<i>Isoperla tutelo</i>	North Carolina Stripetail
<i>Perlesta bjostadi</i>	Anomalous Stone
<i>Perlesta georgiae</i>	Barbeque Stone
<i>Perlesta leathermani</i>	Sandhills Stone
<i>Soyedina sheldoni</i>	Mountain Man Forestfly
<i>Zealeuctra uwharrie</i>	Uwharrie Needlefly
INSECTS - CADDISFLIES	
<i>Ceraclea cama</i>	a longhorned caddisfly
<i>Ceraclea joannae</i>	a caddisfly
<i>Nectopsyche waccamawensis</i>	Waccamaw White Miller
<i>Oecetis sp. D</i>	a caddisfly
<i>Rhyacophila accola</i>	a caddisfly
INSECTS - FLIES	
<i>Eulonchus marialiciae</i>	Mary Alice's Small-headed Fly
INSECTS - BUTTERFLIES	
<i>Atrytonopsis quinteri</i>	Crystal Skipper
<i>Neonympha mitchellii francisci</i>	Saint Francis' Satyr
INSECTS - MOTHS	
<i>Meropleon diversicolor sullivanii</i>	an owlet moth
INSECTS - GRASSHOPPERS AND KATYDIDS	
<i>Melanoplus coreyi</i>	a grasshopper
<i>Melanoplus decorus</i>	Decorated Spur-throat Grasshopper
<i>Melanoplus nubilus</i>	Nubile Short-wing Grasshopper
<i>Melanoplus serrulatus</i>	Nantahala Short-wing Grasshopper
<i>Melanoplus sylvestris</i>	a spur-throat grasshopper
INSECTS - BEETLES	
<i>Stenelmis hollandi</i>	a riffle beetle
<i>Trechus balsamensis</i>	a ground beetle
<i>Trechus carolinae</i>	a ground beetle
<i>Trechus michellensis</i>	a ground beetle
<i>Trechus rosenbergi</i>	a ground beetle
<i>Trechus satanicus</i>	a ground beetle
<i>Trechus subtilis</i>	a ground beetle
INSECTS - SPRINGTAILS	
<i>Pseudosinella flatua</i>	a cave obligate springtail
<i>Pseudosinella gisini carolina</i>	a cave obligate springtail
<i>Pseudosinella vespera</i>	a cave obligate springtail



## EXTIRPATED ANIMALS IN NORTH CAROLINA

This is a list of all taxa considered by state biologists and NCNHP to be extirpated (N.C. Rank of SX) in North Carolina. Those species with N.C. Status of E, T, SC, or SR are also included on the Rare List. NOTE: Quite a few species that might be gone from N.C. are included in the Rare and Watch Lists with an SH (=historic) rank, generally indicating that they have not been seen for over 20 years, but because of inadequate survey or other factors they may well still exist in the state or may be absent but expected to be found again in upcoming years.

SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	NOTES
<b>MAMMALS</b>			
<i>Bos bison</i>	American Bison	G4	MP: open woodlands
<i>Canis lupus</i>	Gray Wolf	G4	MPS?C?: extensive forests, remote areas
<i>Erethizon dorsatum</i>	North American Porcupine	G5	M: high elevation hardwood forests**
<i>Lepus americanus</i>	Snowshoe Hare	G5	M: spruce-fir, other high elevation forests**
<i>Martes pennanti</i>	Fisher	G5	M: spruce-fir forests**
<i>Puma concolor cougar</i>	Eastern Cougar	G5THQ	MPC: extensive forests, remote areas
<b>BIRDS</b>			
<i>Campephilus principalis</i>	Ivory-billed Woodpecker	GH	C: extensive swamps, bottomlands with old-growth trees (one NC record)
<i>Columbina passerina</i>	Common Ground-dove	G5	T: dunes, sandy fields, margins of maritime woods and thickets
<i>Conuropsis carolinensis</i>	Carolina Parakeet	GX	M?PSC: forests, esp. swamps and bottomlands
<i>Ectopistes migratorius</i>	Passenger Pigeon	GX	MPSC: forests (winter only)
<i>Thryomanes bewickii altus</i>	Appalachian Bewick's Wren	G5T2Q	M: woodland borders or openings, farmlands or brushy fields at high elevations
<i>Vermivora bachmanii</i>	Bachman's Warbler	GH	PC: bottomland forests, swamps

SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	NOTES
<b>AMPHIBIANS</b>			
<i>Rana heckscheri</i>	River Frog	G5	SC: river floodplains, floodplain pools or borrow pit ponds
<b>FRESHWATER FISHES</b>			
<i>Etheostoma jessiae</i>	Blueside Darter	G4Q	M: streams in Mills River system
<i>Percina williamsi</i>	Sickle Darter	G2	M: French Broad River
<i>Polyodon spathula</i>	Paddlefish	G4	M: French Broad River
<b>MOLLUSKS - FRESHWATER BIVALVES</b>			
<i>Alasmodonta robusta</i>	Carolina Elktoe	G1Q	P: Long Creek in Mecklenburg
<i>Cyclonaias pustulosa</i>	Pimpleback	G5	M: Tennessee drainages
<i>Epioblasma florentina walkeri</i>	Tan Riffleshell	G1T1	M: French Broad, other rivers
<i>Medionidus conradicus</i>	Cumberland Moccasinshell	G3G4	M: French Broad River
<i>Pleuronaia dolabelloides</i>	Slabside Pearlymussel	G2	M: Little Tenn. River (?)
<i>Ptychobranhus fasciolaris</i>	Kidneyshell	G4G5	M: Tenn. Drainages
<i>Toxolasma lividum</i>	Purple Lilliput	G2	M: French Broad River
<i>Tritogonia verrucosa</i>	Pistolgrip	G4G5	M: New River near Virginia border
<b>INSECTS - BUTTERFLIES</b>			
<i>Speyeria idalia</i>	Regal Fritillary	G3	M: wet or dry meadows, bogs, open hilltops

\* All recorded occurrences in the county are either extirpated, have not been found in recent surveys, or have not been surveyed recently enough to be confident they are still present. Unsurveyed occurrences are regarded as historical after 20-40 years, the number of years depending on the species and the amount of habitat alteration in the area. An asterisk should not be regarded as a definitive statement that the species is gone from the county but indicates that there is reason to doubt its continued existence.

\*\*No positively documented records.



## POTENTIAL NEW TO NORTH CAROLINA ANIMALS

The following list contains species of well-known animal groups that are not currently thought to occur in North Carolina or those animal species not currently known to breed in North Carolina but which are considered to have some possibility of being found here based on their established range, habitat preferences, or breeding behaviors. Most are species that occur in the adjacent states of South Carolina, Georgia, Tennessee, or Virginia in habitats (or drainages) at least relatively similar to habitats known to exist in North Carolina. The purpose of this list is to encourage and challenge field workers to find new state occurrences and new breeding records. This list should give field investigators an idea of some of the species that may be regular components of North Carolina's fauna. Species that might occur as single record accidentals, such as western species of birds or Gulf Coast butterflies, are generally not included. While some of these species may have relatively remote chances of being found in North Carolina, the likelihood of finding new state records is greatly increased by awareness of the possibilities and by species-directed searching. Our knowledge of many of our animal groups is still quite imperfect, especially invertebrate groups. Many natural areas are being destroyed before they can be investigated, and it can be assumed that a number of native species have been extirpated from North Carolina before they were ever documented as occurring in the state. Following each species is the North Carolina province in which the species is considered most likely to be found. Where possible, a description of the typical habitat of the species in the vicinity of North Carolina is also given. Sometimes, the nearest known occurrence(s) to North Carolina are also listed.

### MAMMALS

There are very few terrestrial mammals that could be discovered for the first time in North Carolina. Three of them, North American Porcupine, Snowshoe Hare, and Fisher, may have occurred in the mountains many decades or centuries ago, but reports are fuzzy or second-hand; they are included on the Extirpated List.

*Sylvilagus aquaticus* - Swamp Rabbit

M: swamps, floodplain forests; SC, GA; questionable specimen from Clay County, NC

### BIRDS

The species below are all considered to be potential breeders in North Carolina; some may possibly be breeding already. All have been recorded from the state on numerous occasions; those marked by (+) are known to occur in summer in the state to an extent and probably are nesting, but conclusive evidence is lacking.

*Accipiter gentilis* - Northern Goshawk

M: extensive forests, mainly at high elevations; MD, WV, VA; a few summer records for the NC mountains

*Ammodramus caudacutus* - Saltmarsh Sparrow

T: salt or brackish marshes; VA; some references list NC in the breeding range - this is erroneous; there have been a few summer reports, but some may be erroneous or of late migrating individuals

*Asio flammeus* - Short-eared Owl

T: extensive brackish marshes; MD, VA formerly, and might still nest there; several summer records for the NC coastal marshes, and might have nested once in 2001

*Asio otus* - Long-eared Owl

M: conifers or mixed woods at high elevations in northern mountains: VA; one or two summer reports from the NC mountains, but without visual confirmation

*Cistothorus platensis* - Sedge Wren

T: brackish marshes; VA (northern portion of Chesapeake Bay); several summer records from NC, mainly in brackish marshes, but those might be wandering birds or migrants

*Contopus cooperi* - Olive-sided Flycatcher +

M: [breeding records for TN side of Great Smoky Mts NP]; no active nest has been found in NC

*Empidonax flaviventris* - Yellow-bellied Flycatcher

M: high elevation spruce-fir, usually where stunted or young; VA (Mt. Rogers); two summer reports from NC mountains

*Geothlypis philadelphia* - Mourning Warbler

M: thickets, brushy places, clearings; VA; several males singing on territory have been found in the higher mountains since the mid-1980s, but no strong evidence of nesting has been found in NC

*Haemorhous purpureus* - Purple Finch

M: spruce-fir forests; VA (Mt. Rogers); one or two summer records for the NC mountains

*Melospiza georgiana* - Swamp Sparrow

M: bogs at high elevation; VA; no summer reports for NC

*Oreothlypis ruficapilla* - Nashville Warbler

M: spruce-fir forests, mainly along margins or in young or stunted trees; VA, but also a report from Mt. Rogers; one summer report for NC

*Parkesia noveboracensis* - Northern Waterthrush

M: bogs where spruce-fir is present; VA, plus two reports from Mt. Rogers; no summer reports for NC

## REPTILES

*Apalone mutica* - Smooth Softshell

M: large rivers in the Tennessee drainage; TN

*Graptemys pseudogeographica* - False Map Turtle

M: large rivers in the Tennessee drainage; TN

*Opheodrys vernalis* - Smooth Green Snake

MP: meadows, grassy marshes and fields; VA

## AMPHIBIANS

*Ambystoma jeffersonianum* - Jefferson Salamander

M: low woods, bottomlands; VA

*Desmognathus planiceps* - Virginia Dusky Salamander

P: springs, seeps, streams; VA

*Desmognathus walteri* - Black Mountain Salamander

M: along streams in mesic forests; TN

*Eurycea bislineata* – Northern Two-lined Salamander

MP: springs, seeps, streams; VA; reported from the northern Piedmont of NC, but with no documentation yet available

*Eurycea lucifuga* – Cave Salamander

M: limestone caves and ledges; TN, VA

*Gyrinophilus palleucus* – Tennessee Cave Salamander

M: Caves in limestone areas; TN

*Plethodon websteri* – Webster's Salamander

P: moist forests with steep north-facing slopes; SC

*Pseudobranchius striatus* – Dwarf Siren

C: swamps, ponds, other sluggish freshwater habitats; SC

*Urspelerpes brucei* – Patch-nosed Salamander

M: margins of seeps or streams in rich forests; SC, GA

## FRESHWATER FISHES

Many fish species are found just beyond the border of North Carolina but have not been found within the state despite significant survey efforts. Higher stream gradients near the northern and western borders partly explain this phenomenon. Reservoirs along the borders have also eliminated riverine habitat and impeded migration. Rather than list the many common species that are found in counties adjacent to North Carolina, here we list those which, if found, would be included in the Rare Animal List.

*Etheostoma cinereum* – Ashy Darter

M: Tennessee drainages; TN

*Etheostoma hopkinsi* – Christmas Darter

M: Savannah drainage; SC

*Hemitremia flammea* – Flame Chub

M: Tennessee drainages; TN

*Notropis ariommus* – Popeye Shiner

M: Tennessee drainages; TN

*Noturus baileyi* – Smoky Madtom

M: Tennessee drainages; TN

## INSECTS – BUTTERFLIES

For numerous butterfly species the presently known range extends south in the mountains only to Virginia. Some of these might occur in the northern mountain counties of North Carolina, particularly those not restricted to habitats rare or absent in the state (e.g., shale barrens or limestone outcrops).

*Amblyscirtes belli* – Bell's Roadside-Skipper

MP: wooded edges and openings, wooded creeks; host plant – wild oats (*Chasmanthium latifolium*); SC (Oconee and Pickens counties)

*Boloria selene* – Silver-bordered Fritillary

M: wet meadows, bogs, marshes; host plant – violets (*Viola*) and other species; VA

*Brephidium isophthalma* – Eastern Pygmy-Blue

T: tidal flats and marshes; host plant – glassworts (*Salicornia*), possibly saltwort (*Batis maritima*); SC

*Calephelis borealis* – Northern Metalmark

M: rocky areas near shale, serpentine, or limestone, usually near streams; host plant – round-leaved ragwort (*Senecio obovatus*), possibly fleabanes (*Erigeron*); VA

*Callophrys polios* – Hoary Elfin

M: sunny, dry slopes and other barren or rocky habitats; host plant – mainly bearberry (*Arctostaphylos uva-ursi*) [not in NC], possibly trailing-arbutus (*Epigaea repens*); VA

*Chlosyne harrisii* – Harris' Checkerspot

M: marshes, damp meadows, and other wet brushy places; host plant – flat-topped white aster (*Doellingeria umbellata*); WV

*Colias interior* – Pink-edged Sulphur

M: high elevation areas with acidic soils, such as wood margins, openings, and heath balds; host plant – blueberries (*Vaccinium*); VA

*Erynnis lucilius* – Columbine Duskywing

M: rocky woods, ravines, and wooded edges; host plant – wild columbine (*Aquilegia canadensis*); VA; reported from NC in early 2000s, but report retracted, likely an identification error

*Erynnis persius* – Persius Duskywing

M: openings in cool forests, fields, or bogs near woods; host plant – lupine (*Lupinus perennis*); VA

*Euphyes conspicua* – Black Dash

CM: marshes, wet meadows, but rarely in bogs; host plant – sedges, mainly *Carex stricta*; VA

*Speyeria atlantis* – Atlantis Fritillary

M: cool, open woods, wooded streams, clearings; host plant – violets (*Viola*); VA

Rare Animal List Changes<sup>1</sup> over the Time Period 12/17/2022 - 12/15/2024 Page 7-1

(changes are shown for tracked taxa only)

Element name	Change type	Initial value	Final value
<b>Mammals</b>			
<i>Corynorhinus townsendii virginianus</i>	G rank	G4T4	G4T3
<i>Lasiurus cinereus</i>	State status	W-RS	SR
<i>Myotis septentrionalis</i>	State status	T	E
<i>Puma concolor cougar</i>	Federal status	E	DL
<i>Sorex albibarbis</i>	Scientific name	<i>Sorex palustris punctulatus</i>	<i>Sorex albibarbis</i>
<b>Birds</b>			
<i>Aquila chrysaetos</i>	S rank	SUB,S1N	SUB,S2N
<i>Contopus cooperi</i>	G rank	G4	G4
<i>Dryobates borealis</i>	Federal status	E	T
<i>Elanoides forficatus</i>	State status	SR	SC
<i>Gelochelidon nilotica</i>	S rank	S1S2B	S2B
<i>Haematopus palliatus</i>	S rank	S2S3B,S3N	S3B,S3N
<i>Hydroprogne caspia</i>	S rank	S1B,S2N	S2B,S1N
<i>Ixobrychus exilis</i>	G rank	G4G5	G4
	S rank	S2S3B	S3B
<i>Pelecanus occidentalis</i>	S rank	S3B,S4N	S2B,S4N
<i>Phalacrocorax auritus</i>	S rank	S1B,S5N	S2B,S5N
<i>Rynchops niger</i>	State status	SC	T
<i>Thryomanes bewickii</i>	Tracking status	Full tracking	Not tracked
<b>Reptiles</b>			
<i>Careta caretta</i>	G rank	G3	G2G4
<i>Graptemys geographica</i>	G rank	G5	G4G5
<i>Ophisaurus mimicus</i>	G rank	G3	G2
<i>Sternotherus peltifer</i>	Scientific name	<i>Sternotherus minor</i>	<i>Sternotherus peltifer</i>
<b>Amphibians</b>			
<i>Cryptobranchus alleganiensis alleganiensis</i>	Federal status	no status	PE
<i>Desmognathus aeneus</i>	G rank	G3G4	G4
<i>Desmognathus anicetus</i>	Tracking status	Not tracked	Watch list
<i>Desmognathus aureatus</i>	Tracking status	Not tracked	Full tracking
<i>Desmognathus balsameus</i>	Tracking status	Not tracked	Watch list
<i>Desmognathus campi</i>	Tracking status	Not tracked	Full tracking
<i>Desmognathus imitator pop. 1</i>	G rank	G3G4TNR	G3G4T1Q
<i>Desmognathus santeetlah</i>	State status	W-RS	SR
<i>Desmognathus tilleyi</i>	Tracking status	Not tracked	Full tracking
<i>Eurycea arenicola</i>	G rank	G3?Q	GNR
	Scientific name	<i>Eurycea sp. 9</i>	<i>Eurycea arenicola</i>
<i>Lithobates capito</i>	Scientific name	<i>Rana capito</i>	<i>Lithobates capito</i>
<i>Lithobates heckscheri</i>	Scientific name	<i>Rana heckscheri</i>	<i>Lithobates heckscheri</i>
<i>Lithobates sylvaticus pop. 3</i>	Scientific name	<i>Rana sylvatica pop. 3</i>	<i>Lithobates sylvaticus pop. 3</i>
<i>Plethodon yonahlossee pop. 1</i>	S rank	S2	S1

<sup>1</sup> changes in global and state rank values, protection status (federal and state), scientific name, and tracking status

(changes are shown for tracked taxa only)

Element name	Change type	Initial value	Final value
<b>Amphibians</b>			
<i>Pseudacris collinsorum</i>	G rank	GNR	G4
<b>Freshwater Fishes</b>			
<i>Alburnops chalybaeus</i>	Scientific name	<i>Notropis chalybaeus</i>	<i>Alburnops chalybaeus</i>
<i>Cyprinella leptocheilus</i>	G rank	G2Q	G2
	Scientific name	<i>Cyprinella sp. cf. zanema</i>	<i>Cyprinella leptocheilus</i>
<i>Etheostoma perlongum</i>	G rank	G1Q	G1
<i>Etheostoma simoterum</i>	G rank	N/A (record created after date)	G5
<i>Fundulus sp. cf. diaphanus</i>	Scientific name	<i>Fundulus cf. diaphanus</i>	<i>Fundulus sp. cf. diaphanus</i>
<i>Hydrophlox lutipinnis</i>	Scientific name	<i>Notropis lutipinnis</i>	<i>Hydrophlox lutipinnis</i>
<i>Hydrophlox rubricroceus</i>	Scientific name	<i>Notropis rubricroceus</i>	<i>Hydrophlox rubricroceus</i>
<i>Miniellus scabriceps</i>	Scientific name	<i>Notropis scabriceps</i>	<i>Miniellus scabriceps</i>
<i>Nothonotus acuticeps</i>	Scientific name	<i>Etheostoma acuticeps</i>	<i>Nothonotus acuticeps</i>
<i>Nothonotus rufilineatus</i>	Scientific name	<i>Etheostoma rufilineatum</i>	<i>Nothonotus rufilineatus</i>
<i>Nothonotus vulneratus</i>	Scientific name	<i>Etheostoma vulneratum</i>	<i>Nothonotus vulneratus</i>
<i>Paranotropis volucellus</i>	Scientific name	<i>Notropis volucellus</i>	<i>Paranotropis volucellus</i>
<i>Percina rex</i>	G rank	G1G2	G2G3
<b>Mollusks: Freshwater Bivalves</b>			
<i>Alasmidonta heterodon</i>	G rank	G1G2	G2?
<i>Alasmidonta uwharriensis</i>	S rank	S2	S1S2
	Scientific name	<i>Alasmidonta sp. 2</i>	<i>Alasmidonta uwharriensis</i>
	Tracking status	Not tracked	Full tracking
<i>Alasmidonta varicosa</i>	G rank	G3	G3
<i>Atlanticoncha ochracea</i>	Scientific name	<i>Leptodea ochracea</i>	<i>Atlanticoncha ochracea</i>
<i>Cambarunio iris</i>	G rank	GNR	G4G5
	Scientific name	<i>Villosa iris</i>	<i>Cambarunio iris</i>
<i>Elliptio congaraea</i>	Scientific name	<i>Elliptio waccamawensis</i>	<i>Elliptio congaraea</i>
<i>Elliptio waccamawensis</i>	Tracking status	Full tracking	Not tracked - deleted
<i>Euryntia dilatata</i>	Scientific name	<i>Elliptio dilatata</i>	<i>Euryntia dilatata</i>
<i>Fusconaia subrotunda</i>	Federal status	PT	T
	State status	E	T
<i>Lampsilis fasciola</i>	G rank	G5	G4
<i>Lasmigona subviridis</i>	Federal status	no status	PT
	G rank	G3	G2G3
<i>Leaunio vanuxemensis</i>	Scientific name	<i>Villosa vanuxemensis</i>	<i>Leaunio vanuxemensis</i>
<i>Pleurobema oviforme</i>	Federal status	no status	PE
<i>Pleurobema barnesiana</i>	Federal status	no status	PE
<i>Potamilus alatus</i>	State status	SR	SC
<i>Sagittunio nasutus</i>	G rank	G4	G3
	Scientific name	<i>Ligumia nasuta</i>	<i>Sagittunio nasutus</i>
<i>Sagittunio vauhanianus</i>	Scientific name	<i>Villosa vauhaniana</i>	<i>Sagittunio vauhanianus</i>
<i>Utterbackiana couperiana</i>	Scientific name	<i>Anodonta couperiana</i>	<i>Utterbackiana couperiana</i>
<i>Utterbackiana implicata</i>	Scientific name	<i>Anodonta implicata</i>	<i>Utterbackiana implicata</i>
<i>Venustaconcha constricta</i>	Scientific name	<i>Villosa constricta</i>	<i>Venustaconcha constricta</i>
<b>Mollusks: Freshwater and Terrestrial Gastr</b>			
<i>Callinina intertexta</i>	Scientific name	<i>Viviparus intertextus</i>	<i>Callinina intertexta</i>
<i>Fumonelix langdoni</i>	G rank	GNR	G1
<i>Neohelix dentifera</i>	G rank	G5	G4G5
<i>Paravitrea bellona</i>	Tracking status	Watch list	Not tracked
<i>Paravitrea lamellidens</i>	G rank	G2	G3
<i>Patera clarki</i>	G rank	G3T3	G3

<sup>1</sup> changes in global and state rank values, protection status (federal and state), scientific name, and tracking status

(changes are shown for tracked taxa only)

Element name	Change type	Initial value	Final value
<b>Mollusks: Freshwater and Terrestrial Gastr</b>			
<i>Patera nantahala</i>	Scientific name	<i>Patera clarki clarki</i>	<i>Patera clarki</i>
	G rank	G3T1T2	G1G2
<i>Pilsbryna clingmani</i>	Scientific name	<i>Patera clarki nantahala</i>	<i>Patera nantahala</i>
	Scientific name	<i>Glyphyalinia clingmani</i>	<i>Pilsbryna clingmani</i>
<i>Planorbella magnifica</i>	Federal status	PE	E
<i>Pseudohyalina exigua</i>	Scientific name	<i>Striatura exigua</i>	<i>Pseudohyalina exigua</i>
<b>Arachnids</b>			
<i>Nesticus carolinensis</i>	Scientific name	<i>Nesticus mimus</i>	<i>Nesticus carolinensis</i>
<i>Nesticus mimus</i>	Tracking status	Full tracking	Not tracked
<b>Crustaceans</b>			
<i>Cambarus burchfielae</i>	Tracking status	Not tracked	Full tracking
<i>Cambarus chaugaensis</i>	G rank	G2	G3
<i>Cambarus eeseehohensis</i>	G rank	G1	G3
	S rank	S1	S2
<i>Cambarus franklini</i>	S rank	S1S2	S1
<i>Cambarus georgiae</i>	G rank	G2G3	G3
<i>Cambarus lapidosus</i>	Tracking status	Not tracked	Full tracking
<i>Cambarus tuckasegee</i>	G rank	G1G2	G2
<i>Lacunicambarus acanthura</i>	Scientific name	<i>Cambarus acanthura</i>	<i>Lacunicambarus acanthura</i>
<i>Stygobromus carolinensis</i>	G rank	G1	GH
<b>Mayflies</b>			
<i>Epeorus punctatus</i>	G rank	G2G3	G4G5
<i>Heterocloeon bernerii</i>	G rank	G2G3	G1G2
<b>Stoneflies</b>			
<i>Isoperla pauli</i>	G rank	GNR	G1
<i>Isoperla stewarti</i>	G rank	GNR	G1
<i>Isoperla tutelo</i>	G rank	GNR	G1
<i>Remenus daniellae</i>	G rank	GNR	G2
<i>Remenus kirchneri</i>	G rank	G2	G3
<i>Soyedina parkeri</i>	Tracking status	Not tracked	Full tracking
<i>Soyedina sheldoni</i>	G rank	GNR	G2
	S rank	S1	S2
<i>Zapada fumosa</i>	G rank	GNR	G2G3
<i>Zealeuctra uwharrie</i>	G rank	GNR	G2
<b>Caddisflies</b>			
<i>Agapetus hessi</i>	G rank	G4G5	G4
<i>Agapetus minutus</i>	G rank	G4G5	G4
<i>Agapetus pinatus</i>	G rank	G5	G4
<i>Ceraclea diluta</i>	G rank	G5	G4G5
<i>Ceraclea mentiea</i>	G rank	G5	G4G5
<i>Ceraclea punctata</i>	G rank	G5	G4G5
<i>Ceraclea slossonae</i>	G rank	G4	G3G5
<i>Cheumatopsyche geora</i>	G rank	G5	G3G4
<i>Cheumatopsyche halima</i>	G rank	G5	G4G5
<i>Cheumatopsyche helma</i>	G rank	G3	G3G4
<i>Dibusa angata</i>	G rank	G5	G4G5
<i>Diplectrona metaqui</i>	G rank	G4G5	G4
<i>Frenesia difficilis</i>	G rank	G5	G4

<sup>1</sup> changes in global and state rank values, protection status (federal and state), scientific name, and tracking status

(changes are shown for tracked taxa only)

Element name	Change type	Initial value	Final value
<b>Caddisflies</b>			
<i>Goera stylata</i>	G rank	G5	G4
<i>Hydropsyche ventura</i>	G rank	G5	G4
<i>Hydropsyche walkeri</i>	G rank	G5	G4
<i>Hydroptila maculata</i>	G rank	G3G4	G3
<i>Micrasema burksi</i>	G rank	G4G5	G3G4
<i>Micrasema sprulesi</i>	G rank	G5	G3G4
<i>Molanna uniophila</i>	G rank	G5	G5?
<i>Ochrotrichia confusa</i>	G rank	G5	G3G4
<i>Oxyethira verna</i>	G rank	G5	G4G5
<i>Palaeagapetus celsus</i>	G rank	G5	G4
<i>Psilotreta rufa</i>	G rank	G5	G4
<i>Rhyacophila amicis</i>	G rank	G2	G3G4
<i>Rhyacophila vibox</i>	G rank	G5	G3G5
<i>Stactobiella delira</i>	G rank	G5	G5?
<b>Dragonflies and Damselflies</b>			
<i>Enallagma minusculum</i>	Tracking status	Watch list	Not tracked
<i>Macromia margarita</i>	S rank	S2?	S1
<i>Triacanthagyna trifida</i>	S rank	SH	S1
<b>Butterflies and Moths</b>			
<i>Agrotis buchholzi</i>	Scientific name	<i>Agrotis carolina</i>	<i>Agrotis buchholzi</i>
<i>Amblyscirtes alternata</i>	G rank	G2G3	G3G4
<i>Amblyscirtes reversa</i>	G rank	G3G4	G3
<i>Argynnis idalia</i>	Federal status	no status	PE
	Scientific name	<i>Speyeria idalia</i>	<i>Argynnis idalia</i>
<i>Atrytone arogos arogos</i>	G rank	G2G3T1T2	G2G3T1T2
<i>Burnsius albescens</i>	Scientific name	<i>Pyrgus albescens</i>	<i>Burnsius albescens</i>
<i>Callophrys irus</i>	G rank	G2G3	G3
<i>Catocala consors</i>	G rank	G4	G3
	G rank	G4	G3?
<i>Catocala dulciola</i>	G rank	G3	G3G4
<i>Catocala jair</i>	G rank	G4?	G3G4
<i>Catocala marmorata</i>	G rank	G3G4	G3?
<i>Catocala miranda</i>	G rank	G3G4	G3?
<i>Celastrina neglectamajor</i>	G rank	G4	G3?
<i>Coelodasys apicalis</i>	Scientific name	<i>Schizura apicalis</i>	<i>Coelodasys apicalis</i>
<i>Danaus plexippus</i>	Federal status	no status	PT
	Tracking status	Not tracked	Watch list
<i>Grammia phyllira</i>	G rank	G4	G3G5
<i>Hemaris gracilis</i>	G rank	G3G4	G4G5
<i>Heraclides cresphontes</i>	S rank	S2S3	S2
<i>Hesperia meskei</i>	S rank	S3	S2
<i>Lithophane lepida adipel</i>	G rank	G4	G4T4
	Scientific name	<i>Lithophane adipel</i>	<i>Lithophane lepida adipel</i>
<i>Neonympha areolatus</i>	Scientific name	<i>Neonympha helicta</i>	<i>Neonympha areolatus</i>
<i>Neonympha helicta</i>	Tracking status	Full tracking	Not tracked - deleted
<i>Papaipema appassioanata</i>	G rank	G4	G3G4
<i>Papaipema astuta</i>	G rank	G2G4	G3?
<i>Papaipema cerina</i>	G rank	G2G4	G3
<i>Papaipema duplicatus</i>	G rank	G2G4	G1G2
<i>Papaipema eryngii</i>	Federal status	C	no status
<i>Papaipema furcata</i>	G rank	GU	G4

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(changes are shown for tracked taxa only)

Element name	Change type	Initial value	Final value
<b>Butterflies and Moths</b>			
<i>Papaipema necopina</i>	G rank	G4?	G4
<i>Papaipema nepheleptena</i>	G rank	G4	G4G5
<i>Phyciodes batesii maconensis</i>	G rank	G5T3	G3G4T3
<i>Phyciodes incognitus</i>	G rank	G5T2T4Q	GU
	Scientific name	<i>Phyciodes cocyta</i>	<i>Phyciodes incognitus</i>
<i>Pontia protodice</i>	G rank	G5	G4
<i>Satyrrium favonius favonius</i>	G rank	G4G5T4	G5T4
<i>Satyrrium favonius ontario</i>	G rank	G4G5T4	G5T4
<i>Telegonus cellus</i>	G rank	G4	G5
<i>Thorybes confusis</i>	Scientific name	<i>Cecropterus confusis</i>	<i>Thorybes confusis</i>
<b>Beetles</b>			
<i>Ellipsoptera lepida</i>	G rank	G3G4	G3
<i>Trechus balsamensis</i>	S rank	SU	S1
	State status	W-PK	SR
<i>Trechus carolinae</i>	S rank	SU	SH
	State status	W-PK	SR
<i>Trechus luculentus luculentus</i>	S rank	SU	S1
	State status	W-PK	SR
<i>Trechus mitchellensis</i>	S rank	SU	S1
	State status	W-PK	SR
<i>Trechus novaculosus</i>	S rank	SU	S1
	State status	W-PK	SR
<i>Trechus roanicus</i>	S rank	SU	S1
	State status	W-PK	SR
<i>Trechus rosenbergi</i>	S rank	SU	S1
	State status	W-PK	SR
<i>Trechus satanicus</i>	S rank	SU	S1
	State status	W-PK	SR
<i>Trechus subtilis</i>	S rank	SU	S1
	State status	W-PK	SR
<i>Trechus unicoi</i>	S rank	SU	S1
	Scientific name	<i>Trechus luculentus unicoi</i>	<i>Trechus unicoi</i>
	State status	W-PK	SR
<b>Bees</b>			
<i>Bombus fraternus</i>	G rank	G2G4	G3G4
<i>Bombus lapponicus</i>	Tracking status	Watch list	Not tracked
<i>Bombus mixtus</i>	Tracking status	Watch list	Not tracked
<i>Bombus nevadensis</i>	Tracking status	Watch list	Not tracked

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