

Natural Heritage Program
List of Rare Animal Species
of North Carolina

2022

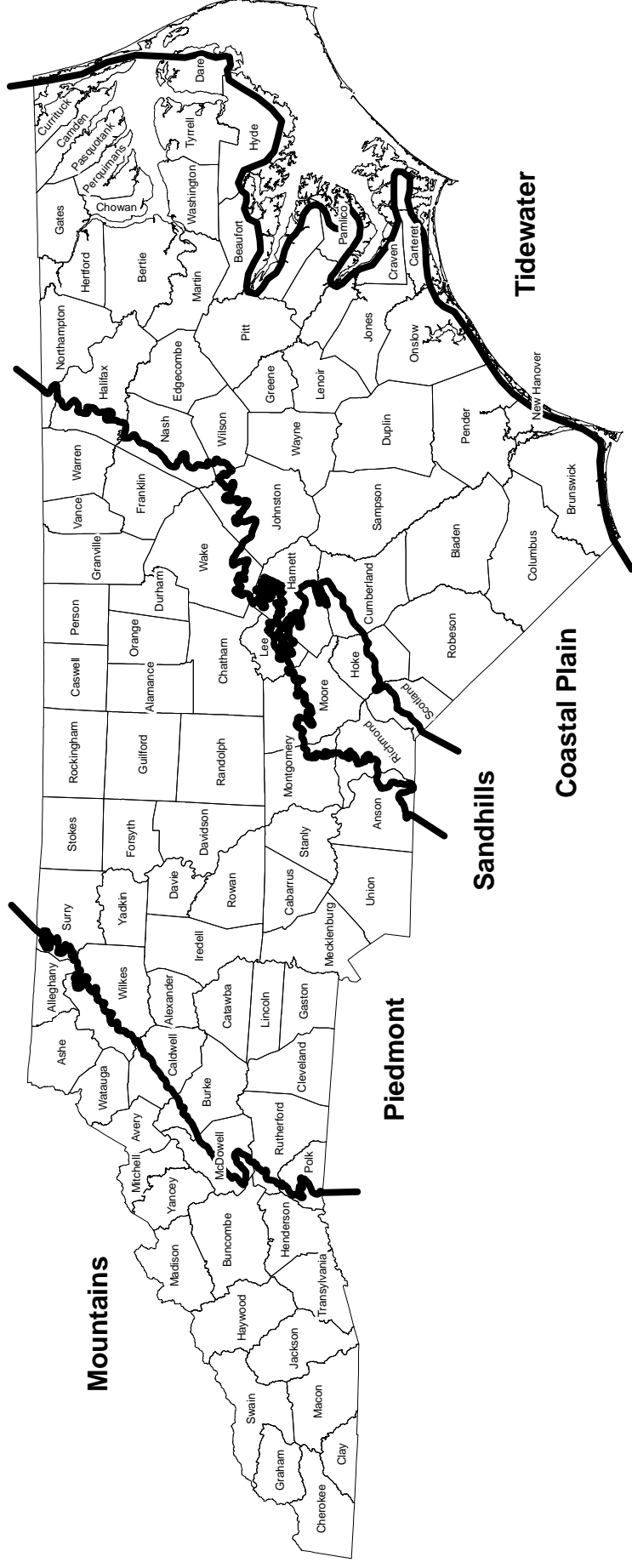


South Mountains Crayfish (*Cambarus franklini*)
Photo by Michael Perkins, NCWRC

Compiled by
Judith Ratcliffe, Zoologist
and Meredith Wojcik, Data Manager

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

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 as new data become available. New species are added to the list, and others are dropped from the list as appropriate. The list is generally published 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.

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ACKNOWLEDGEMENTS

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.

Staff of Florida Natural Areas Inventory (FNAI) provided technical assistance, queries, and SQL scripts that are the foundation for our revised format. Many thanks to FNAI for their support.

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. Brenda Wichmann conducted extensive research into how we might provide the Rare Lists as online resources and Meredith Wojcik implemented online access to this document. Misty Buchanan, 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).

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 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.

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	Significantly Rare is an NCNHP designation. 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
W1	Population Decline in NC	Any native or once-native species of wild animal known to be declining in North Carolina . The distribution or population sizes of such species in the state are fairly well known; loss of habitat is not necessarily a factor.
W2	Rare but Relatively Secure	Any native or once-native species of wild animal 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.
W3	Poorly Known in NC	Any native or once-native species of wild animal with inadequate information about 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.
W4	Rare but Questionable Documentation	Any native or once-native species of wild animal that has 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.
W5	Threat to Habitat	Any native or once-native species of wild animal with increasing amounts of threats to its habitat, whether or not populations are known to be declining. These threats can include loss of habitat (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 can also include use of pesticides, acid rain, fire suppression, over-collection by zoologists, and other factors.
W6	Rare but Believed Not Native	Any species of wild animal 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 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: http://www.fws.gov/migratorybirds/baldeagle.htm .
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.
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].

U.S. STATUS CODE	STATUS	DEFINITION
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: https://www.fws.gov/midwest/Endangered/mammals/nleb/4drule.html

Rank Codes

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 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.

NCNHP follows NatureServe methodology described by Faber-Langendoen, et al. in NatureServe Conservation Status Assessments: Methodology for Assigning Ranks. NatureServe, Arlington, VA. (2012).

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	Occurred in North Carolina historically, 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 in North Carolina. 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	A conservation status rank is not applicable because the element is not a suitable target for conservation for one of these reasons: <ul style="list-style-type: none"> • Hybrid – an interspecific hybrid without conservation value; • Exotic Origin – not native to North Carolina; • Accidental/Nonregular – outside usual range and not regularly found in North Carolina; • Not Confidently Present – never documented as present in NC; • Synonym – the taxon is not recognized by the NCNHP.
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.
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_	Intraspecific Taxon	Subspecies or Variety Rank. 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.
G_?	Uncertain	Denotes inexact or uncertain numeric rank. Used as a qualifier of above ranks.

GLOBAL RANK	DESIGNATION	DESCRIPTION
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. Used as qualifier of above ranks.

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.

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 category. 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 2022-09-28).

GROUP	COUNT *	N.C. STATUS				U.S. STATUS		
		E	T	SC	SR	E	T	Other
Mammals	120	4	6	10	9	4	2 T 1 T-4(d)	1 E, XN
Birds	475	13	8	21	27	2	4	2 BGPA 1 PT
Reptiles	75	5	7	17	6	2	2 T 2 T(S/A)	-
Amphibians	90	3	5	15	12	-	1	
Freshwater Fishes	245	13	14	29	20	5	2	2 C 1 PT
Freshwater Bivalves	85	21	10	5	7	7	2	1 PT
Gastropods	250+	4	8	26	52	-	1	1 PE
Arachnids	?	-	-	-	13	1	-	-
Crustaceans	?	1	-	11	13	-	-	-
Mayflies	?	-	-	-	21	-	-	-
Stoneflies	?	-	-	-	19	-	-	-
Caddisflies	?	-	-	-	20	-	-	-
Dragonflies and Damselflies	190	-	-	-	38	-	-	-
Butterflies	175	-	-	-	39	1	-	-
Moths	2,670+	-	-	-	113	-	-	1 C
Grasshoppers and Katydid	140	-	-	-	22	-	-	-
Beetles	?	-	-	-	7	1	-	-
True Bugs	?	-	-	-	1	-	-	-
Flies	?	-	-	-	1	-	-	-
Bees	?	-	-	-	10	1	-	-
Totals	---	64	58	134	450	24	14	8

* Approximate number known from North Carolina

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SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
Vertebrates					
Mammals					
<i>Canis rufus</i>	Red Wolf	T	E, XN	S1	G1Q
<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	G4T4
<i>Glaucomys sabrinus coloratus</i>	Carolina Northern Flying Squirrel	E	E	S2	G5T2
<i>Lasiurus cinereus</i>	Hoary Bat	W2		S3S4	G3G4
<i>Lasiurus intermedius floridanus</i>	Florida Yellow Bat	SC		S1	G5T4
<i>Lasiurus seminolus</i>	Seminole Bat	W2		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	T	T/PE	S2	G2G3
<i>Myotis sodalis</i>	Indiana Bat	E	E	S1S2	G2
<i>Neogale frenata</i>	Long-tailed Weasel	W3		S3	G5
<i>Neotoma floridana floridana</i>	Eastern Woodrat	T		S1	G5T5
<i>Neotoma floridana haematoreia</i>	Southern Appalachian Eastern Woodrat	W2		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	W4,E	E	SX	G5TXQ
<i>Sciurus niger</i>	Eastern Fox Squirrel	W2		S3	G5
<i>Sorex dispar blitchi</i>	Southern Rock Shrew	SR		S3	G4T3T4
<i>Sorex hoyi</i>	American Pygmy Shrew	W2		S3	G5
<i>Sorex palustris punctulatus</i>	Southern Water Shrew	SR		S3	G5T3
<i>Sorex sp. 1</i>	a shrew (Albemarle-Pamlico Peninsula)	W3		S1S2	G2Q
<i>Spilogale putorius</i>	Eastern Spotted Skunk	SR-G		S3	G4
<i>Sylvilagus aquaticus</i>	Swamp Rabbit	W4		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	W2		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
Birds					
<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	W1,W5		S3B,S1N	G5
<i>Ammospiza caudacuta</i>	Saltmarsh Sparrow	SR		SUB,S2N	G2
<i>Anas discors</i>	Blue-winged Teal	W3		SHB,S2N	G5
<i>Anhinga anhinga</i>	Anhinga	W2		S3B	G5
<i>Antrostomus carolinensis</i>	Chuck-will's-widow	W1		S4B	G5
<i>Antrostomus vociferus</i>	Eastern Whip-poor-will	W1		S3B	G5
<i>Aquila chrysaetos</i>	Golden Eagle	SR	BGPA	SUB,S1N	G5
<i>Asio flammeus</i>	Short-eared Owl	W3		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	W1		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	W1		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	W3		SU	G4
<i>Corvus corax</i>	Common Raven	W2		S3	G5
<i>Dolichonyx oryzivorus</i>	Bobolink	SR		S1B	G5
<i>Dryobates borealis</i>	Red-cockaded Woodpecker	E	E	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	SR		S1B	G5
<i>Empidonax alnorum</i>	Alder Flycatcher	SR		S2B	G5
<i>Empidonax minimus</i>	Least Flycatcher	W2		S3B	G5
<i>Empidonax traillii</i>	Willow Flycatcher	W2		S3B	G5
<i>Eudocimus albus</i>	White Ibis	W2		S3B,S3N	G5
<i>Euphagus carolinus</i>	Rusty Blackbird	W1		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	W2		S3B,S2N	G5
<i>Gelochelidon nilotica</i>	Gull-billed Tern	T		S1S2B	G5
<i>Geothlypis philadelphia</i>	Mourning Warbler	W3		SNA	G5
<i>Haematopus palliatus</i>	American Oystercatcher	SC		S2S3B,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
Birds					
<i>Helminthos vermivorum pop. 1</i>	Worm-eating Warbler - Coastal Plain Population	W5		S3B	G5TNRQ
<i>Himantopus mexicanus</i>	Black-necked Stilt	SR		S1B	G5
<i>Hydroprogne caspia</i>	Caspian Tern	T		S1B,S2N	G5
<i>Ixobrychus exilis</i>	Least Bittern	SC		S2S3B	G4G5
<i>Lanius ludovicianus</i>	Loggerhead Shrike	SC, W2		S2S3B,S3B	G4
<i>Laterallus jamaicensis</i>	Black Rail	T	T	S1	G3
<i>Lophodytes cucullatus</i>	Hooded Merganser	W3		S1B,S4N	G5
<i>Loxia curvirostra</i>	Red Crossbill	SC		S2	G5
<i>Mergus merganser</i>	Common Merganser	W3		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	W1		S3B,S3N	G5
<i>Onychoprion fuscatus</i>	Sooty Tern	W2		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		S3B,S4N	G4
<i>Peucaea aestivalis</i>	Bachman's Sparrow	SC		S3B,S2N	G3
<i>Phalacrocorax auritus</i>	Double-crested Cormorant	SR		S1B,S5N	G5
<i>Plegadis falcinellus</i>	Glossy Ibis	SC		S1S2B	G5
<i>Podilymbus podiceps</i>	Pied-billed Grebe	W2		S3B,S5N	G5
<i>Poecile atricapillus</i>	Black-capped Chickadee	SC		S3	G5
<i>Poocetes gramineus</i>	Vesper Sparrow	SC		S2B,S2N	G5
<i>Porphyrio martinicus</i>	Purple Gallinule	SR		S1B	G5
<i>Rallus elegans</i>	King Rail	W1,W3		S3B,S3N	G4
<i>Rallus limicola</i>	Virginia Rail	W3		S3B,S5N	G5
<i>Regulus satrapa</i>	Golden-crowned Kinglet	W2,W5		S3S4B,S5B	G5
<i>Riparia riparia</i>	Bank Swallow	SR		S1B	G5
<i>Rynchops niger</i>	Black Skimmer	SC		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	W2,W5		S3B,S4N	G5
<i>Sphyrapicus varius</i>	Yellow-bellied Sapsucker	SR		S2B,S5N	G5
<i>Spinus pinus</i>	Pine Siskin	W3		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	W2		S3B,S5N	G5
<i>Sterna hirundo</i>	Common Tern	E		S2B	G5
<i>Sternula antillarum</i>	Least Tern	SC		S3B	G4
<i>Thryomanes bewickii</i>	Bewick's Wren	E		SXB	G5
<i>Troglodytes hiemalis</i>	Winter Wren	W2,W5		S3B,S5N	G5
<i>Tyrannus forficatus</i>	Scissor-tailed Flycatcher	W3		SUB	G5
<i>Tyto alba</i>	Barn Owl	SC		S2S3B,S3B	G5
<i>Vermivora chrysoptera</i>	Golden-winged Warbler	SC		S2S3B	G4
<i>Vermivora cyanoptera</i>	Blue-winged Warbler	SR		S2B	G5

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Birds					
<i>Vireo gilvus</i>	Warbling Vireo	SR		S2B	G5
Reptiles					
<i>Alligator mississippiensis</i>	American Alligator	T	T(S/A)	S3	G5
<i>Apalone spinifera aspera</i>	Gulf Coast Spiny Softshell	W2		S3	G5T5
<i>Apalone spinifera spinifera</i>	Eastern Spiny Softshell	SC		S1	G5T5
<i>Caretta caretta</i>	Loggerhead Seaturtle	T	T	S2B	G3
<i>Cemophora coccinea</i>	Scarlet Snake	W1,W5		S3	G5
<i>Chelonia mydas</i>	Green Seaturtle	T	T	S1B	G3
<i>Clemmys guttata</i>	Spotted Turtle	W1		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 Seaturtle	E	E	S1B,SUNG2	
<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	G5
<i>Heterodon simus</i>	Southern Hognose Snake	T		S1S2	G2
<i>Kinosternon baurii</i>	Striped Mud Turtle	W3		S3S4	G4G5
<i>Lampropeltis elapsoides</i>	Scarlet Kingsnake	W1,W5		S3	G5
<i>Lampropeltis getula sticticeps</i>	Outer Banks Kingsnake	SC		S1	G5T2Q
<i>Lampropeltis triangulum</i>	Milk Snake	W2		S3	G5
<i>Lepidochelys kempii</i>	Kemp's Ridley Seaturtle	E	E	S1B,SUNG1	
<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	G3
<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	W2		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 minor</i>	Loggerhead Musk Turtle	SC		S1	G5
<i>Trachemys scripta troostii</i>	Cumberland Slider	SC		S1	G5T4
<i>Virginia valeriae</i>	Smooth Earthsnake	W2		S3	G5
Amphibians					
<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

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Amphibians					
<i>Cryptobranchus alleganiensis alleganiensis</i>	Eastern Hellbender	SC		S3	G3T2
<i>Desmognathus aeneus</i>	Seepage Salamander	W2		S3	G3G4
<i>Desmognathus folkertsi</i>	Dwarf Black-bellied Salamander	SC		S1	G2G3
<i>Desmognathus imitator</i>	Imitator Salamander	W2		S3	G3G4
<i>Desmognathus organi</i>	Northern Pygmy Salamander	SR		S2S3	G3
<i>Desmognathus santeetlah</i>	Santeetlah Dusky Salamander	W2		S3S4	G3G4Q
<i>Desmognathus wrighti</i>	Southern Pygmy Salamander	SR		S3	G3
<i>Eurycea bislineata</i>	Northern Two-lined Salamander	W4		SU	G5
<i>Eurycea junaluska</i>	Junaluska Salamander	T		S1	G2G3
<i>Eurycea longicauda longicauda</i>	Longtail Salamander	T		S1S2	G5T5
<i>Eurycea quadridigitata</i>	Dwarf Salamander	SC		S1	G5
<i>Eurycea sp. 9</i>	Sandhills Salamander	W3		S3	G3?Q
<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>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	W4		SU	G5
<i>Plethodon jordani</i>	Red-cheeked Salamander	W3		S3	G4
<i>Plethodon meridianus</i>	South Mountain Gray-cheeked Salamander	SR		S1	G2
<i>Plethodon richmondi</i>	Southern Ravine Salamander	W2		S3	G5
<i>Plethodon shermani</i>	Red-legged Salamander	W2		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		S2	G4T1T2Q
<i>Pseudacris brimleyi</i>	Brimley's Chorus Frog	W5		S4	G5
<i>Pseudacris collinsorum</i>	Collinses' Mountain Chorus Frog	SC		S2	GNR
<i>Pseudacris nigrita</i>	Southern Chorus Frog	SC		S2	G5
<i>Pseudacris ornata</i>	Ornate Chorus Frog	E		S2	G4
<i>Rana capito</i>	Carolina Gopher Frog	E		S2	G2G3
<i>Rana heckscheri</i>	River Frog	E		SX	G5
<i>Rana kauffeldi</i>	Atlantic Coast Leopard Frog	W3		S3	G3G4
<i>Rana sylvatica pop. 3</i>	Wood Frog - Coastal Plain population	SR		S1	G5TNRQ
<i>Siren lacertina</i>	Greater Siren	W3		S3	G5
<i>Stereochilus marginatus</i>	Many-lined Salamander	W5		S3S4	G5
Freshwater Fishes					
<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>Ambloplites cavifrons</i>	Roanoke Bass	SR		S2	G3

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Freshwater Fishes					
<i>Aplodinotus grunniens</i>	Freshwater Drum	SC		S1	G5
<i>Carpionodes carpio</i>	River Carpsucker	SC		S1	G5
<i>Carpionodes cyprinus</i>	Quillback	SR		S2	G5
<i>Carpionodes sp. cf. cyprinus</i>	"Carolina" Quillback	SR		S2	GNR
<i>Carpionodes sp. cf. velifer</i>	Atlantic Highfin Carpsucker	SC		S1	GNR
<i>Clinostomus sp. 1</i>	Smoky Dace	SC		S2	G5T3Q
<i>Cottus caeruleomomentum</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 sp. cf. zanema</i>	Thinlip Chub	SC		S2	G2Q
<i>Cyprinella spiloptera</i>	Spotfin Shiner	W5		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	W3		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 acuticeps</i>	Sharphead Darter	T		S1	G3
<i>Etheostoma collis</i>	Carolina Darter	SC		S3	G3
<i>Etheostoma flabellare</i>	Fantail Darter	W5		S3	G5
<i>Etheostoma gutselli</i>	Tuckasegee Darter	W5		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	G1Q
<i>Etheostoma podostemone</i>	Riverweed Darter	SR		S2	G4
<i>Etheostoma rufilineatum</i>	Redline Darter	W5		S3	G5
<i>Etheostoma simotermum</i>	Tennessee Snubnose Darter	SC		S1	G3G4
<i>Etheostoma thalassinum</i>	Seagreen Darter	SC		S3	G4
<i>Etheostoma vitreum</i>	Glassy Darter	W5		S3	G4G5
<i>Etheostoma vulneratum</i>	Wounded Darter	SC		S2	G3
<i>Exoglossum laurae</i>	Tonguetied Minnow	SR		S2	G4
<i>Exoglossum maxillingua</i>	Cutlip Minnow	SC		S1	G5
<i>Fundulus cf. diaphanus</i>	Lake Phelps Killifish	SR		S1	G1Q
<i>Fundulus chrysotus</i>	Golden Topminnow	W2		S3	G5
<i>Fundulus confluentus</i>	Marsh Killifish	W2		S3	G5
<i>Fundulus luciae</i>	Spotfin Killifish	W2		S3	G4
<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>Hypentelium roanokense</i>	Roanoke Hog Sucker	W2		S3	G4
<i>Ichthyomyzon bdellium</i>	Ohio Lamprey	SC		S1	G3G4
<i>Ictiobus bubalus</i>	Smallmouth Buffalo	SR		S1	G5

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Freshwater Fishes					
<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	W2		S3	G5
<i>Lepomis punctatus</i>	Spotted Sunfish	W2		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	W5		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>Moxostoma ariommum</i>	Bigeye Jumprock	T		S2	G4
<i>Moxostoma breviceps</i>	Smallmouth Redhorse	SR		S2	G5
<i>Moxostoma carinatum</i>	River Redhorse	W2		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	W2		S2	G4Q
<i>Notropis bifrenatus</i>	Bridle Shiner	E		S1	G3
<i>Notropis chalybaeus</i>	Ironcolor Shiner	T		S2S3	G4
<i>Notropis lutipinnis</i>	Yellowfin Shiner	SC		S2	G4Q
<i>Notropis maculatus</i>	Taillight Shiner	W2		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	W5		S3	G5
<i>Notropis rubricroceus</i>	Saffron Shiner	W5		S3	G4G5
<i>Notropis scabriceps</i>	New River Shiner	W2		S2	G4
<i>Notropis sp. 1</i>	Kanawha Rosyface Shiner	SR		S2	GNR
<i>Notropis volucellus</i>	Mimic Shiner	T		S2	G5
<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>Percina aurantiaca</i>	Tangerine Darter	W2		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	G1G2
<i>Percina squamata</i>	Olive Darter	SC		S2	G3
<i>Percina westfalli</i>	Westfall's Darter	SC		S1	GNR
<i>Percina williamsi</i>	Sickle Darter	SC	T	SX	G2
<i>Phenacobius crassilabrum</i>	Fatlips Minnow	W2		S3	G3G4
<i>Phenacobius teretulus</i>	Kanawha Minnow	SC		S3	G3G4
<i>Pimephales notatus</i>	Bluntnose Minnow	W3		S3	G5
<i>Polyodon spathula</i>	Paddlefish	E		SX	G4
<i>Salvelinus fontinalis</i>	Brook Trout	SR		S4	G5

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
Freshwater Fishes					
<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
Invertebrates					
Mollusks: Freshwater Bivalves					
<i>Alasmodonta heterodon</i>	Dwarf Wedgemussel	E	E	S1	G1G2
<i>Alasmodonta raveneliana</i>	Appalachian Elktoe	E	E	S1	G1
<i>Alasmodonta undulata</i>	Triangle Floater	T		S3	G4
<i>Alasmodonta varicosa</i>	Brook Floater	E		S3	G3
<i>Alasmodonta viridis</i>	Slippershell Mussel	E		S1	G4G5
<i>Anodonta couperiana</i>	Barrel Floater	E		S1	G4
<i>Anodonta implicata</i>	Alewite Floater	T		S2	G5
<i>Cyclonaias tuberculata</i>	Purple Wartyback	E		S1	G5
<i>Elliptio cistellaeformis</i>	Box Spike	W3,W5		SU	G4
<i>Elliptio congaraea</i>	Carolina Slabshell	W2,W5		S3	G3
<i>Elliptio dilatata</i>	Spike	SC		S2	G5
<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	W3,W5		SU	G3
<i>Elliptio roanokensis</i>	Roanoke Slabshell	SC		S3	G3
<i>Elliptio sp. 2</i>	File Spike	W3		SU	GUQ
<i>Elliptio waccamawensis</i>	Waccamaw Spike	T		S1	G2G3Q
<i>Fusconaia masoni</i>	Atlantic Pigtoe	T	T	S3	G1
<i>Fusconaia subrotunda</i>	Longsolid	E	PT	S1	G3
<i>Lampsilis cariosa</i>	Yellow Lampmussel	E		S3	G3G4
<i>Lampsilis fasciola</i>	Wavyrayed Lampmussel	SC		S2	G5
<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)	W3		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		S2	G3
<i>Leptodea ochracea</i>	Tidewater Mucket	T		S2	G3G4
<i>Ligumia nasuta</i>	Eastern Pondmussel	T		S2	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		S1	G2G3
<i>Pleurobema barnesiana</i>	Tennessee Pigtoe	E		S1	G2G3
<i>Potamilus alatus</i>	Pink Heelsplitter	SR		S1	G5
<i>Sphaerium simile</i>	Grooved Fingernail clam	W3		SU	G5

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
Mollusks: Freshwater Bivalves					
<i>Strophitus undulatus</i>	Creeper	T		S3	G5
<i>Toxolasma pullus</i>	Savannah Lilliput	E		S2	G2
<i>Venustaconcha trabalis</i>	Cumberland Bean	SR	E	SH	G1
<i>Villosa constricta</i>	Notched Rainbow	T		S3	G3
<i>Villosa delumbis</i>	Eastern Creekshell	SR		S4	G4
<i>Villosa iris</i>	Rainbow	T		S2	G5
<i>Villosa vanuxemensis</i>	Mountain Creekshell	T		S1?	G4
<i>Villosa vauhaniana</i>	Carolina Creekshell	E		S3	G2G3
Mollusks: Freshwater and Terrestrial Gastropods					
<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	W2		S2S3	G5
<i>Anguispira knoxensis</i>	Rustic Tigersnail	SR		SH	G1G2
<i>Anguispira mordax</i>	Appalachian Tigersnail	W3		S3S4	G4
<i>Anguispira strongylodes</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>Carychium arboreum</i>	Tree Thorn	SR		S1?	G1
<i>Carychium exiguum</i>	Obese Thorn	W3		S3?	G5
<i>Catinella pugilator</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	W3		S3?	G5
<i>Fumonelix cherokeensis</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	GNR
<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	W3		S2S3	G5
<i>Gastrocopta corticaria</i>	Bark Snaggletooth	SR		S2S3	G5
<i>Gastrocopta procera</i>	Wing Snaggletooth	W3		S3	G5
<i>Glyphyalinia clingmani</i>	Fragile Glyph	E		S1	G1G2
<i>Glyphyalinia cryptomphala</i>	Thin Glyph	SR		S1S2	G5
<i>Glyphyalinia junaluska</i>	Dark Glyph	SC		S2	G2G3
<i>Glyphyalinia pentadelphina</i>	Pink Glyph	SC		S2	G1G3
<i>Glyphyalinia umbilicata</i>	Texas Glyph	W2		S2S3	G5
<i>Glyphyalinia vanattai</i>	Honey Glyph	SC		S1	G2G3
<i>Glyphyalinia wheatleyi</i>	Bright Glyph	W2		S3	G5

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Mollusks: Freshwater and Terrestrial Gastropods					
<i>Gyraulus deflectus</i>	Flexed Gyro	W3		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 salubensis</i>	Corncob Snail	SR		S1?	G1
<i>Helisoma eucosmum</i>	Greenfield Rams-horn	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 subpallidus</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	W3		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	W2		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	W3		S3S4	G5
<i>Novisuccinea ovalis</i>	Oval Ambersnail	SR		S2S3	G5
<i>Novisuccinea sp. 1 nr. chittenangoensis</i>	an Ambersnail	W4		SU	GNR
<i>Oxyloma effusum</i>	Coastal-plain Ambersnail	W3		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 bellona</i>	Club Supercoil	W4		SU	G1
<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	G2
<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 clarki</i>	Dwarf Proud Globe	SC		S3	G3T3
<i>Patera clarki nantahala</i>	Noonday Globe	T	T	S1	G3T1T2
<i>Philomycus virginicus</i>	Virginia Mantleslug	SR		S1S2	G3
<i>Pilsbryna nodopalma</i>	Oar Tooth Bud	SR		S1	G1G2
<i>Planorbella magnifica</i>	Magnificent Rams-horn	E	PE	S1	G1
<i>Praticolella lawae</i>	Appalachian Scrubsnail	SR		S1	G3

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
Mollusks: Freshwater and Terrestrial Gastropods					
<i>Promenetus exacuus</i>	Sharp Sprite	W3		S2S3	G5
<i>Somatogyrus virginicus</i>	Panhandle Pebblesnail	SR		S2S3	G2G3
<i>Stenotrema altispira</i>	Highland Slitmouth	W2		S3S4	G3
<i>Stenotrema depilatum</i>	Great Smoky Slitmouth	SC		S2	G2
<i>Stenotrema pilula</i>	Pygmy Slitmouth	W3		S3?	G3G4
<i>Stenotrema sp. 1</i>	Cove Slitmouth	SR		S1?	GNR
<i>Striatura exigua</i>	Ribbed Striate	SR		S1	G5
<i>Striatura ferrea</i>	Black Striate	W2		S3?	G5
<i>Succinea unicolor</i>	Squatty Ambersnail	SR		S1S2	G3G4
<i>Triodopsis burchi</i>	Pittsylvania Threetooth	W3		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	W2		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	W3		S2S3	G5
<i>Vertigo oralis</i>	Palmetto Vertigo	SR		S2S3	G5
<i>Vertigo oscariana</i>	Capital Vertigo	W3		S3?	G4
<i>Vertigo parvula</i>	Smallmouth Vertigo	SR		S1	G3
<i>Vertigo rugosula</i>	Striate Vertigo	W3		S2S3	G4
<i>Vertigo sp. 3</i>	a new Vertigo	SR		S2S3	GNR
<i>Vertigo teskeyae</i>	Swamp Vertigo	W3		S3	G5
<i>Vertigo tridentata</i>	Honey Vertigo	SR		S1S2	G5
<i>Viviparus intertextus</i>	Rotund Mysterysnail	SR		S2?	G4
<i>Xolotrema caroliniense</i>	Blunt Wedge	W3		S3?	G4
<i>Xolotrema denotatum</i>	Velvet Wedge	W3		SU	G5
<i>Zonitoides patuloides</i>	Appalachian Gloss	SC		S2	G3
Arachnids					
<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
<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

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Arachnids					
<i>Nesticus mimus</i>	a Cave Cobweb Spider	SR		S1	G2
<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?
Crustaceans					
<i>Ascetocythere cosmeta</i>	Grayson Crayfish Ostracod	W3		S2?	GNR
<i>Caecidotea carolinensis</i>	Bennett's Mill Cave Water Slater	E		SH	G2G3
<i>Cambarus acanthura</i>	Thornytail Crayfish	SR		S1	G4G5
<i>Cambarus aldermanorum</i>	Carolina Needlenose Crayfish	W3		S1?	GNR
<i>Cambarus brimleyorum</i>	Valley River Crayfish	SR		S2	G3G4
<i>Cambarus carolinus</i>	Red Burrowing Crayfish	W3		S2	G4
<i>Cambarus catagius</i>	Greensboro Burrowing Crayfish	SC		S1	G2
<i>Cambarus chaugaensis</i>	Chauga Crayfish	SC		S2	G2
<i>Cambarus davidi</i>	Carolina Ladle Crayfish	SR		S3	G3
<i>Cambarus eeseehensis</i>	Grandfather Mountain Crayfish	SR		S1	G1
<i>Cambarus franklini</i>	South Mountains Crayfish	T		S1S2	GNR
<i>Cambarus georgiae</i>	Little Tennessee Crayfish	SC		S2	G2G3
<i>Cambarus hiwasseeensis</i>	Hiwassee Crayfish	W2		S3S4	G3G4
<i>Cambarus hystricosus</i>	Sandhills Spiny Crayfish	SR		S2	G2
<i>Cambarus johni</i>	Carolina Foothills Crayfish	SR		S3	G3
<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 reburus</i>	French Broad Crayfish	T		S2	G3
<i>Cambarus sp. A</i>	a crayfish	W3		S2S4	G2G3
<i>Cambarus spicatus</i>	Broad River Spiny Crayfish	T		S2	G3
<i>Cambarus tuckasegee</i>	Tuckasegee Stream Crayfish	SR		S1S2	G1G2
<i>Canthocamptus vagus</i>	Swamp Canthocamptus	W2,W3		S3?	GNR
<i>Cymocythere clavata</i>	Oconee Crayfish Ostracod	W3		S2?	GNR
<i>Cytheridella ilosvayi</i>	Backwater Ostracod	W3		S2?	GNR
<i>Dactylocythere chelomata</i>	Cherokee Crayfish Ostracod	W2,W3		S2?	GNR
<i>Dactylocythere isabelae</i>	Catawba Crayfish Ostracod	W3		S1?	GNR
<i>Dactylocythere peedeensis</i>	Pee Dee Crayfish Ostracod	W3		S2?	GNR
<i>Dactylocythere prinsi</i>	Whitewater Crayfish Ostracod	W3		S1	GNR
<i>Dactylocythere susanae</i>	Hiwassee Crayfish Ostracod	W2,W3		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 virginianensis</i>	Chowanoke Crayfish	SC		S3	G3
<i>Harpagocythere baileyi</i>	Highlands Crayfish Ostracod	W3		S2?	GNR
<i>Hesperodiaptomus augustaensis</i>	Augusta Hesperodiaptomus	W3		SH	GNR
<i>Lordocythere petersi</i>	Cumberland Crayfish Ostracod	W4		SU	GNR
<i>Lynceus gracilicornis</i>	Graceful Clam Shrimp	SC		S2	G5
<i>Miktoniscus medcofi</i>	Small Alabama Sowbug	W3		S1?	GNR
<i>Procambarus ancylus</i>	Coastal Plain Crayfish	W2		S3	G4G5

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
Crustaceans					
<i>Procambarus blandingii</i>	Santee Crayfish	W3		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	G1
<i>Stygobromus sp. 4</i>	Plott Balsam Sideswimmer	W3		S1?	GNR
<i>Waltoncythere acuta</i>	Transylvania Crayfish Ostracod	W3		S2?	GNR
Mayflies					
<i>Ameletus tertius</i>	a mayfly	SR		S2	G4
<i>Amercaenis cusabo</i>	a mayfly	SR		S1	G3
<i>Anthopotamus myops</i>	a mayfly	W3		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	W3		S3	G5
<i>Epeorus punctatus</i>	Dotted Flatheaded Mayfly	SR		S1	G2G3
<i>Ephemerella floripara</i>	a mayfly	SR		S2	G3
<i>Eurylophella enoensis</i>	Eno River Spiny Crawler Mayfly	W5		S3	G4
<i>Eurylophella minimella</i>	Reduced Spiny Crawler Mayfly	W2		S3	G4
<i>Heterocloeon bernerii</i>	Berner's Two-winged Mayfly	SR		S1	G2G3
<i>Homoeoneuria cahabensis</i>	Cahaba Sand-filtering Mayfly	SR		S2	G3
<i>Isonychia arida</i>	a mayfly	W3		S3	G5
<i>Isonychia sayi</i>	a mayfly	W3		S2	G4
<i>Iswaeon davidi</i>	a mayfly	W3		S2	G2
<i>Leptophlebia bradleyi</i>	a mayfly	W5		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	W3		S3	G5
<i>Paracloeodes fleeki</i>	a mayfly	W3		S3	G4
<i>Pseudiron centralis</i>	White Sand-river Mayfly	SR		S2	G5
<i>Pseudocentropiloides usa</i>	a mayfly	W3		S2	G4
<i>Serratella spiculosa</i>	Spiculose Serratellan Mayfly	W2		S3	G2Q
<i>Siphloplecton speciosum</i>	a mayfly	W5		S2	G4
<i>Sparbarus maculatus</i>	a mayfly	W3		S2S3	G5
<i>Tortopsis puella</i>	a mayfly	SR		S1	G5
<i>Tsalia bernerii</i>	a mayfly	SR		S3	G4

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
Caddisflies					
<i>Agapetus hessi</i>	Hess's Saddle-case Caddisfly	W5		S2	G4G5
<i>Agapetus jocassee</i>	a saddlecase caddisfly	W3		S2	G2G3
<i>Agapetus minutus</i>	Tiny Saddle-case Caddisfly	W3		S3	G4G5
<i>Agapetus pinatus</i>	Peg-like Saddle-case Caddisfly	W3		S3	G5
<i>Agapetus tomus</i>	a saddlecase caddisfly	W3		S2	G5
<i>Agraylea multipunctata</i>	Salt and Pepper Microcaddisfly	W3		S3	G5
<i>Beraea gortebe</i>	a Caddisfly	W4		S1S2	G1G2
<i>Brachycentrus etowahensis</i>	a caddisfly	SR		SH	G3
<i>Ceraclea cama</i>	a longhorned caddisfly	W3		S1S2	G1G2
<i>Ceraclea cancellata</i>	Cancelled Long-horned Caddisfly	SR		S2	G5
<i>Ceraclea diluta</i>	Mixed Long-horned Caddisfly	W3		S2	G5
<i>Ceraclea joannae</i>	Joanna's Ceraclea	SR		S1	G1
<i>Ceraclea mentiea</i>	Liar Long-horned Caddisfly	W3		S3	G5
<i>Ceraclea punctata</i>	Dotted Long-horned Caddisfly	W3		S3	G5
<i>Ceraclea slossonae</i>	Slosson's Long-horned Caddisfly	SR		S2	G4
<i>Ceraclea sp. 2 nr. excisa</i>	a caddisfly	W2		S3	GNR
<i>Ceraclea tarsipunctata</i>	Dot-footed Long-horned Caddisfly	W3		S3	G5
<i>Cernotina calcea</i>	Booted Trumpet-net Caddisfly	W3		S3	G5
<i>Cheumatopsyche enigma</i>	Mysterious Net-spinning Caddisfly	W3		S3	G4G5
<i>Cheumatopsyche geora</i>	a caddisfly	W3		S3	G5
<i>Cheumatopsyche halima</i>	Seaside Net-spinning Caddisfly	W3		S3	G5
<i>Cheumatopsyche helma</i>	Helma's Net-spinning Caddisfly	W3		S3	G3
<i>Cheumatopsyche parentum</i>	a caddisfly	W3		S3	G3
<i>Cheumatopsyche richardsoni</i>	Richardson's Cheumatopsyche Caddisfly	W3		S1S2	G1G2
<i>Chimarra florida</i>	Floridian Finger-net Caddisfly	W3		S3	G4
<i>Dibusa angata</i>	Angulated Microcaddisfly	SR		S2	G5
<i>Diplectrona metaqui</i>	a diplectronan caddisfly	SR		S3	G4G5
<i>Frenesia difficilis</i>	Difficult Northern Caddisfly	W3		S3	G5
<i>Goera stylata</i>	Stalked Weighted-case Caddisfly	W3		S3	G5
<i>Goerita betteni</i>	a caddisfly	W3		S3	G4
<i>Goerita flinti</i>	a caddisfly	SR		S1	G2G3
<i>Goerita semata</i>	a caddisfly	W3		S3	G3
<i>Helicopsyche paralimnella</i>	a snailcase caddisfly	W5		SU	G2
<i>Homoptera flinti</i>	a caddisfly	W3		S2	G2
<i>Homoptera monticola</i>	a caddisfly	SR		S1	G2G3
<i>Hydropsyche bassi</i>	a net-spinning caddisfly	W3		SU	G2
<i>Hydropsyche carolina</i>	a caddisfly	SR		S1	G3
<i>Hydropsyche fattigi</i>	a caddisfly	W3		S3	G5
<i>Hydropsyche opthalmica</i>	a caddisfly	W3		S3	G3
<i>Hydropsyche ventura</i>	Upcoming Net-spinning Caddisfly	W5		S3	G5
<i>Hydropsyche walkeri</i>	Walker's Net-spinning Caddisfly	SR		S2	G5
<i>Hydroptila armata</i>	Armed Microcaddisfly	W3		S2	G5
<i>Hydroptila coweetensis</i>	a micro caddisfly	W3		SU	G1G2
<i>Hydroptila englishi</i>	a caddisfly	W4		SU	G2
<i>Hydroptila lloganae</i>	Llogan's Vari-colored Microcaddisfly	W3		SU	G3
<i>Hydroptila maculata</i>	Spotted Microcaddisfly	W3		S3	G3G4

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
Caddisflies					
<i>Manophylax altus</i>	Mount Mitchell Caddisfly	SR		S1	G1
<i>Mayatrichia ayama</i>	Anagramed Microcaddisfly	W5		S2	G5
<i>Micrasema burksi</i>	a caddisfly	W2		S3	G4G5
<i>Micrasema sprulesi</i>	Sprules's Humpless Caddisfly	W2		S3	G5
<i>Molanna uniophila</i>	Faithful Hood Caddisfly	W3		S3	G5
<i>Nectopsyche waccamawensis</i>	Waccamaw White Miller	SR		S1	G1
<i>Neophylax virginica</i>	a Uenoid Casemaker	W3		S1	GNR
<i>Neureclipsis melco</i>	a caddisfly	W3		S3	G4
<i>Ochrotrichia confusa</i>	Mixed Microcaddisfly	W3		S3	G5
<i>Oecetis porteri</i>	Porter's Long-horned Caddisfly	W5		S2	G3G4
<i>Oecetis sp. B</i>	a caddisfly	W5		S1	G1
<i>Oecetis sp. D</i>	a caddisfly	SR		S1	G1
<i>Oecetis sp. E</i>	a caddisfly	W5		S2	G2
<i>Oropsyche howellae</i>	a caddisfly	SR		S2	G1
<i>Oxyethira glasa</i>	a caddisfly	W1		S3	G5
<i>Oxyethira lumosa</i>	a caddisfly	W3		S3	G4
<i>Oxyethira verna</i>	Spring Microcaddisfly	W3		S3	G5
<i>Padunia jeanae</i>	a Caddisfly	W2		S3	G4
<i>Palaeagapetus celsus</i>	Lofty Microcaddisfly	SR		S2	G5
<i>Phylocentropus auriceps</i>	a caddisfly	W3		S3	G3G4
<i>Polycentropus colei</i>	Cole's Trumpet-net Caddisfly	SR		S1	G3G4
<i>Protophila georgiana</i>	a caddisfly	W3		S2	G3G4
<i>Pseudogoera singularis</i>	a caddisfly	W5		S2	G2G3
<i>Pseudostenophylax uniformis</i>	a caddisfly	W5		S3	G5Q
<i>Psilotreta amera</i>	a caddisfly	W5		S2	G3G4
<i>Psilotreta rossi</i>	a caddisfly	W5		S2	G3
<i>Psilotreta rufa</i>	a caddisfly	W2		S3	G5
<i>Rhyacophila accola</i>	a caddisfly	SR		S1S2	G1G2
<i>Rhyacophila amicus</i>	Friendly Free-living Caddisfly	W5		S3	G2
<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	W5		SU	G2G3
<i>Rhyacophila mycta</i>	a free-living caddisfly	W5		S2S3	G3
<i>Rhyacophila sp. 1</i>	a caddisfly	SR		S2	G2G3
<i>Rhyacophila vibox</i>	Marked Free-living Caddisfly	W2		S3	G5
<i>Setodes arenatus</i>	a caddisfly	W5		S2	G2G3
<i>Setodes stehri</i>	a caddisfly	W5		S3	G4
<i>Stactobiella delira</i>	Silly Microcaddisfly	W3		S3	G5
<i>Stactobiella martynovi</i>	a microcaddisfly	W3		S3	G4
<i>Triaenodes helo</i>	Marsh Triaenode Caddisfly	W3		S3	G3
<i>Triaenodes marginatus</i>	Bordered Long-horned Caddisfly	W3		S3	G5
<i>Triaenodes melacus</i>	Funeral Long-horned Caddisfly	W3		S3	G5
<i>Triaenodes sp. C</i>	a caddisfly	W5		S1	G1G2
<i>Wormaldia thyrja</i>	a caddisfly	W3		S3	G3

Dragonflies and Damselflies

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
Dragonflies and Damselflies					
<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	W3		S3	G4
<i>Dromogomphus spoliatus</i>	Flag-tailed Spinyleg	SR		S1	G4G5
<i>Enallagma minusculum</i>	Little Bluet	W6		SU	G4
<i>Enallagma sulcatum</i>	Golden Bluet	W4		SU	G4
<i>Gomphurus fraternus</i>	Midland Clubtail	SR		S1	G5
<i>Gomphurus hybridus</i>	Cocoa Clubtail	W3		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	W2		S3S4	G4
<i>Hylogomphus adelphus</i>	Mustached Clubtail	SR		S1S2	G5
<i>Hylogomphus apomyius</i>	Banner Clubtail	W3		S3	G3G4
<i>Hylogomphus parvidens</i>	Piedmont Clubtail	W2		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	W4		SU	G4G5
<i>Lestes congener</i>	Spotted Spreadwing	SR		S1	G5
<i>Lestes eurinus</i>	Amber-winged Spreadwing	W2		S3	G5
<i>Lestes forcipatus</i>	Sweetflag Spreadwing	SR		S1S2	G5
<i>Lestes vidua</i>	Carolina Spreadwing	W2		S3	G5
<i>Macrodiplax balteata</i>	Marl Pennant	W3		S2S3	G5
<i>Macromia margarita</i>	Mountain River Cruiser	SR		S2?	G3
<i>Nannothemis bella</i>	Elfin Skimmer	W3		S3S4	G4G5
<i>Neurocordulia alabamensis</i>	Alabama Shadowdragon	W3		S3?	G5
<i>Neurocordulia molesta</i>	Smoky Shadowdragon	W3		S3?	G4
<i>Neurocordulia virginensis</i>	Cinnamon Shadowdragon	W3		S2?	G4
<i>Neurocordulia yamaskanensis</i>	Stygian Shadowdragon	SR		S1?	G5
<i>Ophiogomphus aspersus</i>	Brook Snaketail	SR		S1	G4
<i>Ophiogomphus edmundi</i>	Edmund's Snaketail	SR		S1	G2
<i>Ophiogomphus howei</i>	Pygmy Snaketail	SR		S1	G3
<i>Ophiogomphus incurvatus</i>	Appalachian Snaketail	W2		S3	G3
<i>Ophiogomphus mainensis</i>	Maine Snaketail	W2		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	W2		S3S4	G3G4
<i>Phanogomphus quadricolor</i>	Rapids Clubtail	SR		S1S2	G3G4

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Dragonflies and Damselflies					
<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	W3		S3?	G4
<i>Stenogomphurus consanguis</i>	Cherokee Clubtail	SR		S1?	G3
<i>Stenogomphurus rogersi</i>	Sable Clubtail	W2		S3	G4
<i>Stylogomphus sigmastylus</i>	Interior Least Clubtail	SR		SH	G5
<i>Stylurus amnicola</i>	Riverine Clubtail	W3		S3	G4
<i>Stylurus ivae</i>	Shining Clubtail	SR		S1?	G4
<i>Stylurus laurae</i>	Laura's Clubtail	W1		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	W4		SU	G5
<i>Sympetrum obtrusum</i>	White-faced Meadowhawk	SR		S1	G5
<i>Triacanthagyna trifida</i>	Phantom Darner	SR		SH	G5
Flies					
<i>Eulonchus marialiciae</i>	Mary Alice's Small-headed Fly	SR		S2	G2G3
Butterflies and Moths					
<i>Abrostola ovalis</i>	Oval Abrostola Moth	W3		SU	G4
<i>Acrapex relictus</i>	Relict Cane Moth	W3		S3	G4
<i>Acronicta albarufa</i>	Barrens Dagger Moth	SR		S1S2	G3G4
<i>Acronicta dolli</i>	Doll's Dagger	SR		S1S2	G3G4
<i>Acronicta lanceolaria</i>	Narrow-winged Dagger Moth	W3		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	W3		S1S3	G5
<i>Agrotis carolina</i>	Carolina Agrotis	SR		S2S3	G2G3Q
<i>Amblyscirtes alternata</i>	Dusky Roadside-Skipper	SR		S2	G2G3
<i>Amblyscirtes carolina</i>	Carolina Roadside-Skipper	W2		S3S4	G3G4
<i>Amblyscirtes reversa</i>	Reversed Roadside-Skipper	SR		S3	G3G4
<i>Anicla lubricans</i>	Slippery Dart	W3		S3?	G4G5
<i>Anicla simplicius</i>	Simplicius Dart	W3		SU	G4
<i>Anicla sullivanii</i>	Sullivan's Anicla Moth	W3		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	W3		S3	G5
<i>Aplectoides condita</i>	A Noctuid Moth	SR		S2S3	G5
<i>Apoda rectilinea</i>	Rectilinea Slug Moth	W3		S1S3	GNR
<i>Arctia caja</i>	Great Tiger Moth	SR		S1	G5
<i>Argillophora furcilla</i>	Silver Fork Cane Moth	W3		S2S3	G3G4
<i>Argyrostroma quadrifilaris</i>	Four-lined Chocolate Moth	SR		S3	G4
<i>Arugisa latiorella</i>	Watson's Arugisa Moth	W3		S3?	G4

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
Butterflies and Moths					
<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	W3		S2S3	G3G4
<i>Bleptina sangamonia</i>	a Litter Moth	SR		S1S2	GU
<i>Cabera quadrifasciaria</i>	Four-lined Cabera Moth	W3		SU	GNR
<i>Calephelis virginensis</i>	Little Metalmark	SR		S2	G4
<i>Callophrys hesseli</i>	Hessel's Hairstreak	SR		S3	G3
<i>Callophrys irus</i>	Frosted Elfin	SR		S2	G2G3
<i>Callosamia securifera</i>	Sweetbay Silkmoth	W3		SU	G4
<i>Caripeta aretaria</i>	Southern Pine Looper	W3		S3S4	G4
<i>Catocala abbreviatella</i>	Abbreviated Underwing Moth	W3		SH	G3G4
<i>Catocala alabamiae</i>	Alabama Underwing	W3		S2S3	G4
<i>Catocala amestris</i>	Three-staff Underwing	W3		SU	G4
<i>Catocala blandula ssp. 1</i>	Southern Charming Underwing	W3		S1S3	G5T3
<i>Catocala consors</i>	Consort Underwing	SR		S1	G4
<i>Catocala dulciola</i>	Sweet Underwing	SR		S2S3	G3
<i>Catocala grisatra</i>	Grisatra Underwing	SR		S1S2	G2
<i>Catocala herodias</i>	Herodias Underwing	SR		S1	G3
<i>Catocala illecta</i>	Magdalen Underwing	W3		SU	G5
<i>Catocala jair</i>	Jair Underwing	SR		S2	G4?
<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	G3G4
<i>Catocala messalina</i>	Messalina Underwing	SR		S2?	G4?
<i>Catocala miranda</i>	Miranda Underwing	W3		SU	G3G4
<i>Catocala myristica</i>	Nutmeg Underwing	SR		S1	G3G4
<i>Catocala orba</i>	Orba Underwing	SR		S2S3	G4
<i>Catocala pretiosa</i>	Precious Underwing	W3		S2S3	G4
<i>Catocala sappho</i>	Sappho Underwing	W3		SU	G4
<i>Cecropterus confusus</i>	Confused Cloudywing	W3		S3S4	G4
<i>Celastrina neglectamajor</i>	Appalachian Azure	W2		S3S4	G4
<i>Celastrina nigra</i>	Dusky Azure	SR		S2	GU
<i>Cerastis fishii</i>	a Dart Moth	W3		SU	G4
<i>Ceratonyx satanaria</i>	a Geometrid Moth	W3		S2S4	G4
<i>Cerma cora</i>	Owl-eyed Bird-dropping Moth	SR		S2S3	G3G4
<i>Chaetagnathia fergusonii</i>	Ferguson's Sallow	SR		S1S2	G3G4
<i>Cherokeea attakullakulla</i>	Cherokee Moth	SR		S2	G2?
<i>Chlosyne gorgone</i>	Gorgone Checkerspot	SR		S1?	G5
<i>Chytonix sensilis</i>	Barrens Marvel	W3		S3?	G4
<i>Cisthene kentuckiensis</i>	Kentucky Lichen Moth	W3		SU	GU
<i>Cyclophora sp. 1 (culicaria of authors)</i>	Sand-myrtle Geometer	SR		S1	G3
<i>Cynia inopinatus</i>	Unexpected Cynia Moth	SR		S2S3	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	W3		S3?	G4

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
Butterflies and Moths					
<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	W3		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	W3		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 meridia</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	W3		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	W3		SU	G5
<i>Eupithecia affinata</i>	a Geometrid Moth	W3		SU	GNR
<i>Eupithecia indistincta</i>	a Pug Moth	W3		SU	GNR
<i>Eupithecia mutata</i>	Spruce Cone Looper	W5		SU	G5
<i>Eupithecia peckorum</i>	Peck's Pug Moth	W3		S3?	G4
<i>Eupithecia satyrata</i>	Satyr Pug Moth	W3		SU	G5
<i>Eupithecia strattonata</i>	a Pug Moth	W3		SU	GNR
<i>Eusarca packardaria</i>	Packard's Eusarca Moth	W3		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	W2		S3S4	G4
<i>Franclemontia interrogans</i>	Franclemont's Cane Moth	SR		S3?	G3G4
<i>Gabara pulverosalis</i>	an Erebid Moth	W3		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	W2		S2S3	G5
<i>Gondysia similis</i>	Gordonia Darkwing	W3		S2S3	G3G4

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
Butterflies and Moths					
<i>Gondysia telma</i>	a Noctuid Moth	W3		SU	GNR
<i>Grammia doris</i>	Doris Tiger Moth	SR		S1S3	G4?
<i>Grammia phyllira</i>	Phyllira Tiger Moth	W2		S3	G4
<i>Grammia placentia</i>	Placentia Tiger Moth	SR		S2S3	G3G4
<i>Grammia virguncula</i>	Little Virgin Tiger Moth	W3		SH	G5
<i>Hadena ectypa</i>	Campion Coronet	SR		S1S2	G3G4
<i>Heliomata infulata</i>	Rare Spring Moth	W3		S2S3	G3G4
<i>Hemaris gracilis</i>	Slender Clearwing	SR		S1S2	G3G4
<i>Hemeroplanis sp. 1 nr. obliquialis</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 crespontes</i>	Eastern Giant Swallowtail	SR		S2S3	G5
<i>Hermeuptychia intricata</i>	Intricate Satyr	W3		S3?	GNR
<i>Hesperia attalus</i>	Dotted Skipper	SR		S1	G3G4
<i>Hesperia leonardus</i>	Leonard's Skipper	W2		S2S3	G4
<i>Hesperia meskei</i>	Meske's Skipper	SR		S3	G3G4
<i>Hesperia metea</i>	Cobweb Skipper	SR		S2	G4
<i>Hesperia sassacus</i>	Indian Skipper	W2		S3	G5
<i>Heterocampa varia</i>	a Prominent Moth	SR		S1S2	G3G4
<i>Hydrelia condensata</i>	a Carpet Moth	W3		SU	G4
<i>Hydriomena divisaria</i>	Black-dashed Hydriomena Moth	W3		S2S3	G5
<i>Hydriomena exculpata</i>	a Geometrid Moth	SR		SH	G5
<i>Hypagyrtis brendae</i>	Brenda's Hypagyrtis Moth	SR		S2S3	G4
<i>Hyperna appalachiensis</i>	Appalachian Bomolocha Moth	W3		S2S3	G3G4
<i>Hyperstrotia aetheria</i>	a Graylet Moth	W3		S3?	GNR
<i>Hypocala andremona</i>	Hypocala Moth	W3		SU	GNR
<i>Hypomecis buchholzarua</i>	Buchholz's Gray	SR		S1S2	G3G4
<i>Hypomecis longipectinaria</i>	Broadly Pectinate Hypomecis Moth	W3		S3S4	G3G4
<i>Idaea eremiata</i>	Straw Wave	W3		S3S4	G4
<i>Idaea hilliata</i>	Hill's Wave Moth	W3		SU	GNR
<i>Idaea micropterata</i>	a Wave	W3		S3?	GNR
<i>Idaea ostentaria</i>	Showy Wave	SR		S2S3	GNR
<i>Idaea productata</i>	a Wave	W3		SU	G4
<i>Idaea scintillularia</i>	Diminutive Wave	W3		SU	GNR
<i>Idia majoralis</i>	Greater Idia Moth	SR		S1S3	GNR
<i>Ipimorpha pleonectusa</i>	Even-lined Sallow	W3		SU	G5
<i>Iridopsis cypressaria</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	W3		S1S2	GNR
<i>Lithacodia sp. 2</i>	a Bird-dropping Moth	W3		S1S3	G1G3
<i>Lithophane abita</i>	Cypress Pinion	W3		SU	G4

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
Butterflies and Moths					
<i>Lithophane adipel</i>	a Pinion Moth	W3		SU	G4
<i>Lithophane georgii</i>	Large Grey Pinion	SR		S1S2	G5
<i>Lithophane joannis</i>	a Noctuid Moth	W3		SU	G4
<i>Lithophane laceyi</i>	a Pinion Moth	W3		SU	G4
<i>Lithophane lemmeri</i>	Lemmer's Pinion	W3		S1S3	G3G4
<i>Lithophane oriunda</i>	Immigrant Pinion	SR		S1?	G4
<i>Lithophane scottae</i>	a Pinion Moth	W3		SU	G2G4
<i>Lithophane tepida</i>	White-eyed Pinion	W3		SU	G5
<i>Litoprosopus futilis</i>	Palmetto Borer	W3		SU	G4
<i>Loscopia roblei</i>	Roble's Cane Borer	SR		S2S3	G3G4
<i>Lytrosis heitzmanorum</i>	a Geometrid Moth	W3		SU	G5
<i>Lytrosis permagnaria</i>	A Geometrid Moth	SR		S2S3	G3G4
<i>Macrochilo louisiana</i>	Louisiana Owlet Moth	W3		S3?	G4
<i>Macrochilo santerivalis</i>	an Owlet Moth	W3		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	W2		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	W3		SU	G5
<i>Metarranthus lateritarius</i>	a Geometrid Moth	W3		SU	G3G4
<i>Metarranthus mollicularia</i>	a Geometrid Moth	W3		SU	GNR
<i>Metarranthus sp. 1</i>	Mid-Atlantic Metarranthus Moth	W3		S3S4	G3G4
<i>Nematocampa baggettaria</i>	Baggett's Nematocampa	SR		S1S2	G2G4
<i>Nemoria bifilata</i>	White-barred Emerald	W3		S3?	G4
<i>Nemoria outina</i>	an Emerald Moth	W3		SU	GNR
<i>Nemoria rubrifrontaria</i>	Red-fronted Emerald	W3		SH	GNR
<i>Nemoria tuscarora</i>	Tuscarora Emerald	SR		S1S3	GU
<i>Neonympha areolatus</i>	Georgia Satyr	SR		S2	G3G4
<i>Neonympha helicta</i>	Helicta Satyr	SR		S1?	G3G4
<i>Neonympha mitchellii francisci</i>	Saint Francis' Satyr	SR	E	S1	G2T1
<i>Neoplynes eudora</i>	a Wasp Moth	W3		S2S3	G5
<i>Oligia chlorostigma</i>	a Brocade Moth	W3		SU	G4
<i>Operophtera bruceata</i>	Bruce Spanworm Moth	W3		SU	G5
<i>Orgyia antiqua</i>	Rusty Tussock Moth	SR		S1S2	G5
<i>Orgyia detrita</i>	a tussock moth	W3		S2S3	G3G4
<i>Pachypolia atricornis</i>	Three-horned Sallow	SR		S2S3	G3G4
<i>Paectes nubifera</i>	Clouded Paectes Moth	W3		SU	GNR
<i>Pangrapta sp. 1</i>	Whitish Pangrapta	W3		S1S3	GU
<i>Papaipema appassinata</i>	Pitcher-plant Borer Moth	SR		S2S3	G4
<i>Papaipema araliae</i>	Aralia Shoot Borer Moth	W3		S2S4	G3G4
<i>Papaipema astuta</i>	Yellow Stoneroot Borer Moth	SR		S1S2	G2G4
<i>Papaipema cerina</i>	Golden Borer Moth	SR		S1S2	G2G4
<i>Papaipema duplicatus</i>	Dark Stoneroot Borer Moth	W3		SH	G2G4

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Butterflies and Moths					
<i>Papaipema eryngii</i>	Rattlesnake-master Borer Moth	SR	C	SH	G2
<i>Papaipema furcata</i>	Ash Tip Borer Moth	W3		SU	GU
<i>Papaipema insulidens</i>	Umbellifer Borer Moth	W3		SU	GU
<i>Papaipema lysimachiae</i>	Loosestrife Borer Moth	W3		SU	G4G5
<i>Papaipema necopina</i>	Sunflower Borer Moth	W3		SU	G4?
<i>Papaipema nepheleptena</i>	Turtle Head Borer Moth	W3		SU	G4
<i>Papaipema polymniae</i>	Cup Plant Borer Moth	W3		SU	G4?
<i>Papaipema sp. 3</i>	Southeastern Cane Borer Moth	W3		S3S4	G4
<i>Parahypenodes quadralis</i>	Masked Parahypenodes Moth	W3		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	W3		SU	G4
<i>Phyciodes batesii maconensis</i>	Appalachian Tawny Crescent	SR		S2	G5T3
<i>Phyciodes cocyta</i>	Northern Crescent	W3		S3?	G5
<i>Phyciodes phaon</i>	Phaon Crescent	W5		S2S3	G5
<i>Pimaphera percata</i>	an Inchworm Moth	W3		S1S2	GNR
<i>Platartia 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>Polychrysia 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	W3		S2S3	GNR
<i>Ponometia tortricina</i>	a Bird-dropping Moth	W3		SU	GNR
<i>Pontia protodice</i>	Checkered White	SR		S1S2	G5
<i>Problema bulenta</i>	Rare Skipper	SR		S1	G3
<i>Properigea costa</i>	Barrens Moth	W3		SU	G4
<i>Properigea tapeta</i>	a Noctuid Moth	W3		SU	GNR
<i>Protapamea louisae</i>	Louisa's Cane Borer	SR		S1	GNR
<i>Protodeltote sp. 1</i>	a Bird-dropping Moth	W3		S1S3	G1G3
<i>Psamatodes abydata</i>	Dot-lined Angle	W3		SU	GNR
<i>Pseudeva purpurigera</i>	Straight-lined Looper	W3		S1S2	G5
<i>Ptichodis bistrigata</i>	Southern Ptichodis	W2		S3S4	G3
<i>Pygarctia abdominalis</i>	Yellow-edged Pygarctia	SR		S2S3	G3
<i>Pyreferra ceromatica</i>	Annointed Sallow Moth	SR		S1S2	GU
<i>Pyrgus albescens</i>	White Checkered-Skipper	W3		SU	G5
<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	W3		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	G4G5T4
<i>Satyrium favonius ontario</i>	Northern Oak Hairstreak	SR		S2S3	G4G5T4
<i>Satyrium kingi</i>	King's Hairstreak	W2		S3S4	G3G4
<i>Schinia bina</i>	Bina Flower Moth	SR		SH	G4
<i>Schinia carolinensis</i>	Carolina Schinia Moth	SR		S2S3	G3

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Butterflies and Moths					
<i>Schinia indiana</i>	Phlox Moth	W3		SH	G2G4
<i>Schinia jaguarina</i>	Jaguar Flower Moth	SR		S1S3	G4
<i>Schinia obscurata</i>	Erigeron Flower Moth	W3		S2S3	G4
<i>Schinia sanguinea</i>	Bleeding Flower Moth	W3		S2S3	G4
<i>Schinia scissoides</i>	Divided Flower Moth	W3		S2S3	GNR
<i>Schinia septentrionalis</i>	Northern Flower Moth	SR		SH	G3G4
<i>Schinia siren</i>	Alluring Schinia Moth	W3		SU	GNR
<i>Schinia sordidus</i>	Sordid Flower Moth	W3		S2S3	G4?
<i>Schizura apicalis</i>	Plain Schizura	SR		S1S2	G3G4
<i>Schizura matheri</i>	a new Prominent Moth	SR		S1S2	GU
<i>Scopula aemulata</i>	Diminutive Wave	W3		SU	GNR
<i>Scopula cacuminaria</i>	Frosted Tan Wave Moth	W3		S2S3	G4
<i>Scopula ordinata</i>	a Wave Moth	W3		SU	GU
<i>Scopula purata</i>	Chalky Wave	W3		S2S3	G4
<i>Selenisa sueroides</i>	Pale-edged Selenisa Moth	W3		SU	GNR
<i>Speranza subcessaria</i>	Barred Angle	SR		S2S3	G5
<i>Speyeria diana</i>	Diana Fritillary	W2		S3S4	G2G3
<i>Speyeria idalia</i>	Regal Fritillary	SR		SX	G3?
<i>Sphingicampa bicolor</i>	Honey Locust Moth	W3		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	W3		SU	G4G5
<i>Spilosoma dubia</i>	Dubious Tiger Moth	W3		S3?	G5
<i>Stenoporpia polygrammaria</i>	Faded Gray Geometer	SR		S1S2	GU
<i>Stiria rugifrons</i>	Yellow Sunflower Moth	W3		SU	G4
<i>Sympistis dinalda</i>	a Sallow	W3		SU	GNR
<i>Sympistis perscripta</i>	Scribbled Sallow	W3		SU	G4
<i>Syngrapha alias</i>	Hooked Silver Y Moth	SR		S2?	G5
<i>Tacparia deterrenta</i>	Pale Alder Moth	W3		SU	G5
<i>Telegonus cellus</i>	Golden Banded-Skipper	SR		S2	G4
<i>Tolype minta</i>	Southern Tolype Moth	SR		S2S3	G4
<i>Tornos abjectarius</i>	a Tornos Moth	W3		S2S3	GNR
<i>Tornos cinctarius</i>	a Tornos Moth	W3		SU	GNR
<i>Tripudia flavofasciata</i>	a Seed Moth	W3		SU	GNR
<i>Ulolonche modesta</i>	Modest Quaker Moth	W3		SU	G5
<i>Xestia perquiritata</i>	Boomerang Dart	SR		S1	G5
<i>Xestia youngii</i>	Young's Dart Moth	W3		S3S4	G5
<i>Zale declarans</i>	Dixie Zale	SR		S2S3	G5
<i>Zale fictilis</i>	an Owlet Moth	W3		SU	G5
<i>Zale sp. 2 nr. squamularis</i>	a new Zale	W3		SU	G4Q
<i>Zale sp. 3 nr. buchholzi</i>	an Owlet Moth	W3		S2S3	G3G4
<i>Zanclognatha atrilineella</i>	an Owlet Moth	W3		S1S3	GU
<i>Zanclognatha dentata</i>	an Owlet Moth	W3		SU	G3G4
Grasshoppers and Katydid					
<i>Amblycorypha arenicola</i>	Sandhill Virtuoso Katydid	W3		S2S3	GNR

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
Grasshoppers and Katyids					
<i>Amblycorypha bartrami</i>	Bartram's Round-winged Katydid	W3		S2S3	GNR
<i>Arphia granulata</i>	Southern Yellow-winged Grasshopper	SR		S2S3	G5
<i>Atlanticus gibbosus</i>	Gibbous Shield-back Katydid	W4		SU	GNR
<i>Belocephalus subapterus</i>	Half-winged Cone Head Katydid	W3		S2S3	GNR
<i>Booneacris variegata</i>	Variiegated Wingless Locust	SR		S2?	G5
<i>Dendrotettix australis</i>	Scrub Pine Grasshopper	W3		SU	GU
<i>Dendrotettix zimmermanni</i>	Carolina Oak Grasshopper	SR		S1?	GU
<i>Encoptolophus sordidus</i>	Dusky Grasshopper	W4		SU	G5
<i>Eotettix pusillus</i>	Little Eastern Grasshopper	SR		S2?	G2G3
<i>Hesperotettix viridis</i>	Meadow Purple-striped Grasshopper	W3		SU	G5
<i>Hubbellia marginifera</i>	Pine Katydid	W3		S3?	GNR
<i>Inscudderia walkeri</i>	Eastern Cypress Katydid	W3		SU	GNR
<i>Melanoplus acrophilus</i>	a Spur-throat Grasshopper	W3		S2S3	G2G3
<i>Melanoplus angustipennis</i>	Narrow-winged Spur-throat Grasshopper	W3		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	W2		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	W3		SU	GU
<i>Melanoplus divergens</i>	Lobecercus Short-wing Grasshopper	SR		SH	G2G3
<i>Melanoplus eurycercus</i>	a Green-legged Grasshopper	SR		S1	G4
<i>Melanoplus hubbelli</i>	Hubbell's Melanoplus	W3		SU	G4
<i>Melanoplus impudicus</i>	Immodest Spur-throat Grasshopper	W3		SH	G4G5
<i>Melanoplus mirus</i>	Weldon Short-wing Grasshopper	SR		S1?	G1
<i>Melanoplus nigrescens</i>	Black-sided Spur-throat Grasshopper	W3		S3?	GU
<i>Melanoplus nossi</i>	Noss' Short-winged Grasshopper	SR		S1S2	GNR
<i>Melanoplus nubilus</i>	Nubile Short-wing Grasshopper	SR		S2	G2G3
<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	W3		S2S3	G4G5
<i>Melanoplus sylvestris</i>	a Spur-throat Grasshopper	W3		S3?	G1G3
<i>Melanoplus tribulus</i>	Tribulus Spur-throat Grasshopper	W3		SU	G4G5
<i>Melanoplus walshii</i>	Walsh's Locust	W3		SU	G4G5
<i>Mermiria bivittata</i>	Two-striped Mermiria	SR		S2S3	G5
<i>Mermiria intertexta</i>	Intertexta Mermiria	W3		S3S4	G4?
<i>Mermiria picta</i>	Lively Mermiria	W3		S3?	G5
<i>Montezumina modesta</i>	Modest Katydid	W3		SU	GU
<i>Neoconocephalus velox</i>	Swift-flying Cone Head Katydid	W3		SU	GNR
<i>Orchelimum bradleyi</i>	Bradley's Meadow Katydid	W3		SU	GNR
<i>Orchelimum superbum</i>	Superb Meadow Katydid	W3		SU	GNR
<i>Paratylotropidia beutenmuelleri</i>	Beutenmueller's Grasshopper	W3		SU	G4
<i>Pardalophora apiculata</i>	Coral-winged Grasshopper	W3		SU	G5

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
Grasshoppers and Katyids					
<i>Romalea microptera</i>	Eastern Lubber Grasshopper	W3		SU	G5
<i>Scudderia curvicauda laticauda</i>	Broad-tailed Bush Katydid	W3		SU	G5TNR
<i>Scudderia septentrionalis</i>	Northern Bush Katydid	W3		S2S3	G3?
<i>Stenacris vitreipennis</i>	Glassy-winged Toothpick Grasshopper	W3		S1S3	G5
<i>Stethophyma celatum</i>	Broad-winged Sedge Grasshopper	SR		S1S2	G4
<i>Trachyrhachys kiowa</i>	Ash-brown Grasshopper	W3		SU	G5
<i>Trimerotropis saxatilis</i>	Lichen Grasshopper	SR		S2?	G3
Beetles					
<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>Ellipsiptera blanda</i>	Sandbar Tiger Beetle	W3		S2S3	G3G4
<i>Ellipsiptera lepida</i>	Ghost Tiger Beetle	SR		S1?	G3G4
<i>Gonielmis dietrichi</i>	a Water Beetle	W3		S2	GNR
<i>Lordithon niger</i>	Black Lordithon Rove Beetle	W4		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	W5		S2	GNR
<i>Stenelmis sp. 1</i>	Harley's Stenelmis Riffle Beetle	W3		S1	GNR
<i>Stenelmis sp. 2</i>	William's Stenelmis Riffle Beetle	W2		S2	GNR
<i>Stenelmis sp. 3</i>	a Riffle Beetle	W3		S2	GNR
<i>Trechus balsamensis</i>	a Ground Beetle	W3		SU	GH
<i>Trechus carolinae</i>	a Ground Beetle	W3		SU	GH
<i>Trechus luculentus luculentus</i>	Bright Ground Beetle	W3		SU	GHTH
<i>Trechus luculentus unicolor</i>	Unicoi Mountains Ground Beetle	W3		SU	GHTH
<i>Trechus mitchellensis</i>	Mitchell's Ground Beetle	W3		SU	GH
<i>Trechus novaculosus</i>	a Ground Beetle	W3		SU	GH
<i>Trechus roanicus</i>	Roan Mountain Ground Beetle	W3		SU	GH
<i>Trechus rosenbergi</i>	Rosenberg's Ground Beetle	W3		SU	GH
<i>Trechus satanicus</i>	a Ground Beetle	W3		SU	GH
<i>Trechus subtilis</i>	Fine Ground Beetle	W3		SU	GH
Bees					
<i>Andrena accepta</i>	Two-spotted Miner Bee	W3		SH	GNR
<i>Andrena arabis</i>	Mustard Miner Bee	W3		SH	GNR
<i>Andrena carolinensis</i>	an andrenid bee	W3		SH	GNR
<i>Andrena chromotricha</i>	Pigmented Miner Bee	W3		SH	GNR
<i>Andrena crawfordi</i>	an andrenid bee	W3		SH	GNR
<i>Andrena rudbeckiae</i>	an andrenid bee	W3		SH	GNR
<i>Bombus affinis</i>	Rusty-patched Bumble Bee	SR	E	S1	G2
<i>Bombus fervidus</i>	Yellow Bumble Bee	W3		S3S4	G3G4
<i>Bombus fraternus</i>	Southern Plains Bumble Bee	W3		S2S3	G2G4
<i>Bombus lapponicus</i>	Forest Bumble Bee	W3		SH	G5
<i>Bombus mixtus</i>	Fuzzy-horned Bumble Bee	W3		SH	G5

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FEDERAL STATUS	STATE RANK	GLOBAL RANK
Bees					
<i>Bombus nevadensis</i>	Nevada Bumble Bee	W3		SH	G4
<i>Bombus pensylvanicus</i>	American Bumble Bee	W3		S3S4	G3G4
<i>Bombus rufocinctus</i>	Red-belted Bumble Bee	W3		SH	G5
<i>Bombus terricola</i>	Yellow-banded Bumble Bee	W3		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	W3		S2S3	G5
<i>Epeolus banksi</i>	Banks' Epeolus	W3		SH	GNR
<i>Epeolus erigeronis</i>	Fleabane Cuckoo Nomad Bee	W3		SH	GNR
<i>Lasioglossum ceanothi</i>	a sweat bee	W3		S2S3	GNR
<i>Lithurgus gibbosus</i>	a mason bee	W3		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	W3		S2S3	G3
<i>Megachile rugifrons</i>	a leafcutter bee	W3		SH	G2G3
<i>Megachile townsendiana</i>	a leafcutter bee	W3		SH	G4G5
<i>Nomada indusata</i>	a cuckoo bee	W3		SH	GNR
<i>Nomada inepta</i>	Inept Cuckoo Nomad Bee	W3		SH	GNR
<i>Nomada minima</i>	a cuckoo bee	W3		SH	GNR
<i>Nomada tyrrellensis</i>	a cuckoo bee	SR		SH	GNR
<i>Stelis vernalis</i>	Spring Cuckoo Carder Bee	W3		SH	GNR
<i>Triepeolus sublunatus</i>	a cuckoo bee	W3		SH	GNR

CITATION

Ratcliffe, J.A. and M.L. Wojcik. 2022. Natural Heritage Program List of the Rare Animal Species of North Carolina, 2022. North Carolina Natural Heritage Program, N.C. Department of Natural and Cultural Resources, Raleigh, NC.
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
MAMMALS	
<i>Peromyscus leucopus</i>	Buxton Woods White-footed Deermouse
<i>Sorex sp. 1</i>	a shrew (Albemarle-Pamlico Peninsula)
REPTILES	
<i>Lampropeltis getula</i>	Outer Banks Kingsnake
<i>Nerodia sipedon</i>	Carolina Watersnake
AMPHIBIANS	
<i>Aneides caryaensis</i>	Hickory Nut Gorge Green Salamander
<i>Eurycea 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.</i>	Crevice Salamander
FRESHWATER FISHES	
<i>Etheostoma perlongum</i>	Waccamaw Darter
<i>Fundulus 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
MOLLUSKS - FRESHWATER BIVALVES	
<i>Alasmidonta sp. 1</i>	a bivalve (Upper Yadkin River system)
<i>Alasmidonta sp. 2</i>	a bivalve (Uwharries region)
<i>Elliptio marsupiobesa</i>	Cape Fear Spike
<i>Elliptio steinstansana</i>	Tar River Spinymussel
<i>Lampsilis fullerikati</i>	Waccamaw Fatmucket
<i>Lampsilis sp. 2</i>	Chameleon Lampmussel
<i>Lampsilis sp. 3</i>	a bivalve (Deep River system)
MOLLUSKS - FRESHWATER GASTROPODS	
<i>Cincinnatia sp. 1</i>	Waccamaw Siltsnail
<i>Helisoma eucosmium</i>	Greenfield Rams-horn
<i>Planorbella magnifica</i>	Magnificent Rams-horn
MOLLUSKS - TERRESTRIAL GASTROPODS	
<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 clarki nantahala</i>	Noonday Globe
<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 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 lenati</i>	Broad River Stream Crayfish
<i>Cambarus reburus</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</i>	Carolina Skistodiaptomus
<i>Stygobromus carolinensis</i>	Yancy Sideswimmer
<i>Waltonocythere 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>Perlesta bjostadi</i>	Anomalus Stone
<i>Perlesta leathermani</i>	Sandhills Stone
INSECTS - CADDISFLIES	
<i>Ceraclea cama</i>	a longhorned caddisfly
<i>Ceraclea joannae</i>	a caddisfly
<i>Nectopsyche</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</i>	Saint Francis' Satyr
INSECTS - MOTHS	
<i>Agrotis carolina</i>	a dart moth
<i>Hemipachnobia</i>	Venus Flytrap Cutworm Moth
<i>Meropleon diversicolor</i>	an owlet moth
<i>Schizura sp. 1</i>	a prominent moth
INSECTS - GRASSHOPPERS AND KATYDIDS	
<i>Melanoplus coreyi</i>	a grasshopper
<i>Melanoplus decorus</i>	Decorated Spur-throat Grasshopper
<i>Melanoplus mirus</i>	Weldon Short-wing 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 luculentus</i>	a ground beetle
<i>Trechus luculentus unicolor</i>	a ground beetle
<i>Trechus michellensis</i>	a ground beetle
<i>Trechus novaculosus</i>	a ground beetle
<i>Trechus roanicus</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 more than 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
MAMMALS			
<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
BIRDS			
<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
AMPHIBIANS			
<i>Rana heckscheri</i>	River Frog	G5	SC: river floodplains, floodplain pools or borrow pit ponds
FRESHWATER FISHES			
<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
MOLLUSKS - FRESHWATER BIVALVES			
<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>Pleuroaia 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
INSECTS - BUTTERFLIES			
<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 caudacuta - 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 welteri – Black Mountain Salamander

M: along streams in mesic forests; TN

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 (*Packera obovata*), 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 Changes¹ over the Time Period 1/1/2021 - 11/21/2022

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(changes are shown for tracked taxa only)

Element name	Change type	Initial value	Final value
Plants and Lichens			
<i>Coptis trifolia</i> ssp. <i>groenlandica</i>	Tracking status	Full tracking	Not tracked - deleted
<i>Lilium canadense</i> var. <i>canadense</i>	Tracking status	Full tracking	Not tracked - deleted
<i>Pityopsis graminifolia</i> var. <i>graminifolia</i>	Tracking status	Full tracking	Not tracked - deleted
<i>Shortia galacifolia</i> var. <i>galacifolia</i>	Tracking status	Full tracking	Not tracked - deleted
Mammals			
<i>Canis rufus</i>	Federal status	LE, XN	E, XN
<i>Myotis grisescens</i>	G rank	G4	G3G4
<i>Myotis lucifugus</i>	G rank	G3	G3G4
	State status	SR	E
<i>Myotis septentrionalis</i>	Federal status	T	T/PE
	G rank	G1G2	G2G3
<i>Perimyotis subflavus</i>	Federal status	no status	PE
	G rank	G2G3	G3G4
	State status	SR	E
<i>Peromyscus leucopus easti</i>	Tracking status	Full tracking	Not tracked
Birds			
<i>Calidris canutus rufa</i>	S rank	SUB,S2N	S2N
<i>Catharus guttatus</i>	S rank	S2B,S5N	S3B,S5N
<i>Dryobates borealis</i>	Scientific name	<i>Picoides borealis</i>	<i>Dryobates borealis</i>
<i>Egretta tricolor</i>	S rank	S3B,S3N	S2B,S3N
<i>Hydroprogne caspia</i>	S rank	S1B,S2N	S1B,S2N
<i>Laterallus jamaicensis</i>	State status	SC	T
<i>Porphyrio martinicus</i>	S rank	SHB	S1B
<i>Sphyrapicus varius</i>	S rank	S2S3B,S5N	S2B,S5N
<i>Spiza americana</i>	S rank	S2B,S2N	S2B
<i>Sternula antillarum</i>	Federal status	PS:LE,PDL	PS:LE,DL
Reptiles			
<i>Alligator mississippiensis</i>	Federal status	LT(S/A)	T(S/A)
<i>Coluber flagellum flagellum</i>	Scientific name	<i>Masticophis flagellum</i>	<i>Coluber flagellum flagellum</i>
	State status	SR	SC
<i>Glyptemys muhlenbergii</i>	Federal status	LT(S/A)	T(S/A)
<i>Graptemys geographica</i>	State status	SR	SC
<i>Ophisaurus attenuatus longicaudus</i>	Scientific name	<i>Ophisaurus attenuatus</i>	<i>Ophisaurus attenuatus longicaudus</i>
	State status	SR	SC
<i>Ophisaurus mimicus</i>	State status	SC	E
Amphibians			
<i>Aneides caryaensis</i>	State status	SR	E
<i>Cryptobranchus alleganiensis alleganiensis</i>	Federal status	PS:PE	PS:E,UR
<i>Eurycea longicauda longicauda</i>	State status	SC	T
<i>Hyla andersonii</i>	State status	SR	T

¹ 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
Amphibians			
<i>Necturus lewisi</i>	Federal status	PT	T
	State status	SC	T
<i>Pseudacris collinsorum</i>	Scientific name	<i>Pseudacris brachyphona</i>	<i>Pseudacris collinsorum</i>
<i>Pseudacris nigrita</i>	State status	SR	SC
<i>Rana sylvatica</i> pop. 3	G rank	G5TNR	G5TNRQ
Freshwater Fishes			
<i>Cyprinella labrosa</i>	State status	W5	T
	Tracking status	Watch list	Full tracking
<i>Cyprinella zanema</i>	State status	W5	T
	Tracking status	Watch list	Full tracking
<i>Erimystax insignis</i>	State status	SR	T
<i>Etheostoma thalassinum</i>	State status	SR	SC
<i>Moxostoma robustum</i>	Federal status	no status	C
<i>Moxostoma</i> sp. 2	Federal status	no status	C
<i>Notropis chalybaeus</i>	State status	SR	T
<i>Noturus furiosus</i>	Federal status	PE	E
	State status	T	E
<i>Percina westfalli</i>	Scientific name	<i>Percina nigrofasciata</i>	<i>Percina westfalli</i>
<i>Percina williamsi</i>	Federal status	PT	T
<i>Salvelinus fontinalis</i>	S rank	S5	S4
	Tracking status	Not tracked	Full tracking
Mollusks: Freshwater Bivalves			
<i>Elliptio lanceolata</i>	State status	E	T
<i>Fusconaia masoni</i>	Federal status	PT	T
	State status	E	T
<i>Parvaspina collina</i>	Scientific name	<i>Pleurobema collina</i>	<i>Parvaspina collina</i>
<i>Parvaspina steinstansana</i>	Scientific name	<i>Elliptio steinstansana</i>	<i>Parvaspina steinstansana</i>
Mollusks: Freshwater and Terrestrial Gastr			
<i>Catinella waccamawensis</i>	G rank	G1Q	G1
<i>Planorbella magnifica</i>	Federal status	C	PE
Arachnids			
<i>Hypochilus coylei</i>	S rank	S3?	S1
<i>Nesticus bishopi</i>	S rank	S3?	S2
	State status	W3	SR
	Tracking status	Watch list	Full tracking
<i>Nesticus brimleyi</i>	S rank	S1?	S2
<i>Nesticus carolinensis</i>	G rank	G1?	G2
	S rank	S1	S2
<i>Nesticus crosbyi</i>	S rank	S1?	S2
<i>Nesticus gertschi</i>	S rank	S1?	S2
<i>Nesticus mimus</i>	S rank	S2?	S1
<i>Nesticus nasicus</i>	S rank	S3?	S2
	State status	W3	SR
	Tracking status	Watch list	Full tracking
<i>Nesticus reclusus</i>	S rank	S3?	S1
	State status	W3	SR
	Tracking status	Watch list	Full tracking
<i>Nesticus sheari</i>	S rank	S2?	S1
<i>Nesticus silvanus</i>	S rank	S2?	S2

¹ 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
Arachnids			
<i>Nesticus</i> sp. 1	Tracking status	Full tracking	Not tracked
<i>Nesticus</i> sp. 2	Tracking status	Full tracking	Not tracked
Crustaceans			
<i>Cambarus franklini</i>	State status	SR	T
<i>Cambarus reburus</i>	State status	SR	T
<i>Cambarus spicatus</i>	State status	SC	T
<i>Faxonius carolinensis</i>	Scientific name	<i>Orconectes carolinensis</i>	<i>Faxonius carolinensis</i>
<i>Faxonius virginensis</i>	Scientific name	<i>Orconectes virginensis</i>	<i>Faxonius virginensis</i>
<i>Procambarus braswelli</i>	State status	SC	E
<i>Procambarus medialis</i>	State status	SR	T
<i>Procambarus pearsei</i>	S rank	S3S4	S1
	State status	W2	T
	Tracking status	Watch list	Full tracking
Stoneflies			
<i>Acroneuria arida</i>	S rank	SU	SH
	State status	W3	SR
	Tracking status	Watch list	Full tracking
<i>Allocaonia nivicola</i>	S rank	SNR	S1
<i>Alloperla chloris</i>	State status	W3	SR
	Tracking status	Watch list	Full tracking
<i>Beloneuria stewarti</i>	S rank	SU	SH
	State status	W3	SR
	Tracking status	Watch list	Full tracking
<i>Diploperla janeae</i>	Tracking status	Not tracked	Full tracking
<i>Diploperla kanawholensis</i>	S rank	SU	S2?
	State status	W3	SR
	Tracking status	Watch list	Full tracking
<i>Isoperla bellona</i>	State status	W3	SR
	Tracking status	Watch list	Full tracking
<i>Isoperla fauschi</i>	State status	W3	SR
	Tracking status	Watch list	Full tracking
<i>Isoperla stewarti</i>	State status	W3	SR
	Tracking status	Watch list	Full tracking
<i>Isoperla tutelo</i>	State status	W3	SR
	Tracking status	Watch list	Full tracking
<i>Leuctra hicksi</i>	S rank	SU	S1
	State status	W3	SR
	Tracking status	Watch list	Full tracking
<i>Leuctra moha</i>	S rank	SU	S1
	State status	W3	SR
	Tracking status	Watch list	Full tracking
<i>Oconoperla innubila</i>	S rank	S2	S1
<i>Perlesta beatyi</i>	Tracking status	Not tracked	Full tracking
<i>Perlesta bjostadi</i>	S rank	SU	S1
	State status	W3	SR
	Tracking status	Watch list	Full tracking
<i>Perlesta georgiae</i>	S rank	SNR	S1
<i>Perlesta leathermani</i>	S rank	SU	S1
	State status	W3	SR
	Tracking status	Watch list	Full tracking
<i>Remenus kirchneri</i>	S rank	S1	S2

¹ 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
Stoneflies			
<i>Soyedina kondratieffi</i>	State status	W3	SR
	Tracking status	Watch list	Full tracking
<i>Soyedina sheldoni</i>	Tracking status	Not tracked	Full tracking
<i>Zapada fumosa</i>	S rank	SNR	S1
	Tracking status	Not tracked	Full tracking
<i>Zealeuctra uwharrie</i>	Tracking status	Not tracked	Full tracking
Caddisflies			
<i>Oecetis sp. D</i>	Tracking status	Full tracking	Watch list
Butterflies and Moths			
<i>Hesperia attalus</i>	S rank	S2S3	S1
<i>Papaipema eryngii</i>	G rank	G1G2	G2
<i>Polites mystic</i>	Scientific name	<i>Limochores mystic</i>	<i>Polites mystic</i>
<i>Schizura matheri</i>	Scientific name	<i>Schizura sp. 1</i>	<i>Schizura matheri</i>
<i>Sphinx chersis</i>	S rank	SNR	S1?
	Tracking status	Not tracked	Full tracking
Grasshoppers and Katydid			
<i>Melanoplus deceptus</i>	Tracking status	Full tracking	Watch list
<i>Melanoplus mirus</i>	G rank	GH	G1

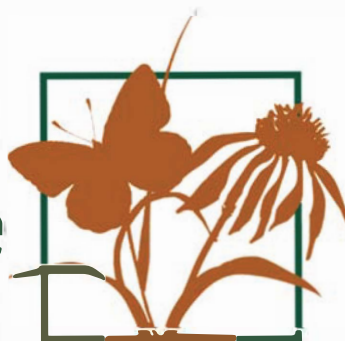
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NC DEPARTMENT OF NATURAL AND CULTURAL RESOURCES

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