

A Guide to the Rare Animals of Tennessee

March 2009



Common Raven, *Corvus corax*, State Threatened

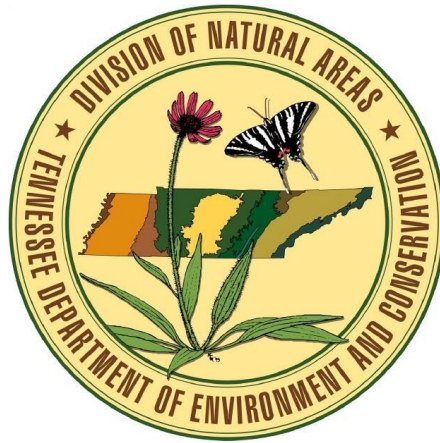
Then this ebony bird beguiling my sad fancy into smiling, By the grave and stern decorum of the countenance it wore, 'Though thy crest be shorn and shaven, thou,' I said, 'art sure no craven. Ghastly grim and ancient raven wandering from the nightly shore - Tell me what thy lordly name is on the Night's Plutonian shore!' Quoth the raven, 'Nevermore.' - Edgar Allan Poe



Tennessee Natural Heritage Program

Rare Animals List

March 2009



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**NATURAL HERITAGE RESOURCES OF TENNESSEE:
RARE ANIMAL SPECIES
MARCH 2009**

INTRODUCTION

The Tennessee Department of Environment and Conservation's Division of Natural Areas (DNA) is charged with protecting the state's biological diversity. The mission of the DNA is to conserve our state's natural environments by identifying and protecting significant natural communities and rare species, and by promoting understanding and application of ecological principles. DNA is responsible for (1) the location and designation of state natural areas, (2) the regulation of the state's ginseng trade, (3) conducting surveys for federally listed species, especially plants, (4) environmental reviews for public agencies and non-governmental organizations (NGOs), and (5) the location, identification, and documentation of rare plants* and animals in Tennessee. The last task is the charge of the Tennessee Natural Heritage Program (TNHP) within DNA, which was created with the assistance and direction of The Nature Conservancy (TNC). The TNHP was established in 1974, and was one of the first state Natural Heritage programs in the U.S. The TNHP relies on the use of computerized databases to record and report important information regarding the state's rare, threatened, and endangered plants, animals, and natural communities. In 2001, the data management arm of TNC was reorganized as a separate entity, NatureServe, which continues to provide centralized support to heritage programs, and coordinates the greater Natural Heritage Network.

Lists produced from the program's Biotics database help to accomplish the goals of conservation and protection of rare taxa. Federal, state, and private agencies, organizations, and individuals use species lists produced by the TNHP in the environmental review process. Currently 517 invertebrate taxa and 182 vertebrate taxa are actively tracked by the state, meaning that the TNHP has electronic occurrence information for these species, or that the program intends to acquire such data. Additionally, the TNHP maintains 185 invertebrates and 62 vertebrates on a "Watch" list- species for which information is accumulated passively and maintained only in hardcopy form. Some of these taxa may warrant active tracking at a later time. Species included on the watch list include possibly extirpated taxa, formerly tracked species found to be more abundant than originally speculated, and certain obscure taxa for which too little information exists to warrant active tracking.

If you do not have a list that has been revised in the past year, please visit our website at <http://www.state.tn.us/environment/na/> to download the latest version. Note that legal federal and/or state status may change before the next edition of this list is produced.

DNA encourages knowledgeable individuals to assist the TNHP staff in determining accurate rare animal list contents and ranking information. Please submit comments and justification to david.withers@state.tn.us for consideration. Your assistance is appreciated.

The legally defined federal and state status is indicated for each species on this list. Federally listed species are protected by the Endangered Species Act of 1973, as amended. The U.S. Fish and Wildlife Service (FWS) administers the act and assigns federal status designations to species that are threatened with extinction (endangered) and those which may become endangered in the foreseeable future (threatened). The state status of certain invertebrates (mollusks & crustaceans) is determined by the Tennessee Wildlife Resources Agency (TWRA)**. Generally, the TWRA designation will be at the same level (or higher) as the federal status. However, many species may be listed by the TWRA that do not have a federal status at present. Likewise, some federal species (including insects and arachnids) are not listed by TWRA. Many rare invertebrates are not currently afforded state or federal protection, but are tracked by the TNHP.

The nominations of new species or revision of statuses for currently listed species may change for the following reasons: (1) new information about the distribution of the species in Tennessee and/or throughout its range, (2) changes in the number of known populations in Tennessee, (3) the viability of these populations, (4) habitat specificity, (5) known or perceived threats to the species and its habitats, (6) the number of protected populations, (7) the difficulty of adequately protecting or managing habitats for the species' survival, (8) biological factors which influence their ability to reproduce or respond to disturbance, or (9) the species' dependence on other species that also may be in jeopardy.

Status and ranking are subject to change during the year, so periodically check our web site to make certain you have the most recent information. Additional detail about species listed by the TWRA and FWS may be found at www.state.tn.us/twra/nongame.html and www.fws.gov/angered/ respectively.

*T.C.A. 70-8-301 through 70-8-314, [Rare Plant Protection and Conservation Act of 1985](#)

**T.C.A. 70-8-101 through 70-8-112, [Tennessee Nongame and Endangered or Threatened Wildlife Species Conservation Act of 1974](#)

Rationale

Tennessee is one of the most biodiverse states in the nation, boasting over 300 species of fish, at least 80 mammal and 60 reptile species, approximately 70 amphibian taxa (including over 40 salamander species), and over 340 species of birds.

The invertebrates are no less impressive, with over 225 land snail taxa, 100 aquatic snail species, at least 120 mussel and 70 crayfish species, and thousands of insect taxa. Many of our rarer species are invertebrates, and some cave specialists (such as certain beetles, springtails, & pseudoscorpions) may be limited to just one or a very few sites.

With so many species, subspecies, and races, and in part thanks to our geography, geology, and climate, the number of habitat specialists is remarkable. Endemism is high, with at

least 74 animal species known only from Tennessee. Many other species exist on the periphery of their range in Tennessee (where evolutionary processes may act most quickly) or may range little outside of Tennessee.

It is the hope of the DNA that this list provides not only the nuts and bolts (the legal statuses) of rare species, but that it also instructs the reader as to the great diversity we all have inherited. Truly, its remarkable biodiversity makes Tennessee an outstanding state in which to live.

List Structure

Species included in the Rare Animals List are presented by major taxonomic grouping, then alphabetically by scientific name, and contain the following fields: scientific name, taxonomic authority, common (vernacular) name if assigned, the physiographic regions from which we have mapped records, habitat, federal status, state status, and global and state ranks (as assigned by NatureServe and TNHP, respectively).

Scientific Name

As presented by this list, each species' scientific name is generally that accepted by the International Commission on Zoological Nomenclature and recorded by NatureServe. The scientific name is followed by the taxonomic authority for the species. If the species has at some point been reassigned to a different genus, the name of the original authority appears in parentheses.

Common or Vernacular Name

It is a common misconception that vernacular names change more frequently than scientific names. That is not necessarily the case. What is true is that many more common names may exist simultaneously than the scientific parlance. This list presents common names generally adopted by the scientific community and presented in the corresponding authoritative publications.

Physiographic Province

The physiographic provinces of Tennessee are presented graphically on page xi, following designations adapted from The Geologic History of Tennessee: Department of Environment and Conservation, Division of Geology Bulletin 74 (R. A. Miller, 1974). From west to east they include the Mississippi Floodplain (MF), Coastal Plain (CP), West Tennessee Uplands (WU), Western Highland Rim (WR), Central Basin (CB), Eastern Highland Rim (EH), Cumberland Plateau (CU), Sequatchie Valley (SV), Cumberland Mountains (CM), Ridge & Valley (RV), and Blue Ridge Mountains (BR).

Habitat

General habitat requirements for each species are noted, including physiographic or watershed restrictions if known. Other habitats may exist for poorly studied or obscure species, and these habitat comments should not be construed to describe every possible location for the species in question.

Federal Status

Federally listed animals are protected by the Endangered Species Act of 1973 (as amended), and the list is maintained by the FWS. In Tennessee, listing and recovery responsibilities generally are divided between two FWS offices, in Cookeville, Tennessee, and Asheville, North Carolina. Please visit www.fws.gov/southeast/ for additional information about FWS activities in Tennessee.

The FWS simplified the assignment of various “candidate species” designations in 1997, and those changes are reflected here. Applicable federal statuses are defined as follows, based on nomenclature adopted by NatureServe and the TNHP:

LE	Listed Endangered	Taxon is threatened by extinction throughout all or a significant portion of its range
SAE	Endangered by Similarity of Appearance	Taxon is treated as an endangered species because it may not be easily distinguished from a listed species
LT	Listed Threatened	Taxon is likely to become an endangered species in the foreseeable future
SAT	Threatened by Similarity of Appearance	Taxon is treated as a threatened species because it may not be easily distinguished from a listed species
PE	Proposed Endangered	Taxon proposed for listing as endangered
PT	Proposed Threatened	Taxon proposed for listing as threatened
C	Candidate species***	Taxon for which the USFWS has sufficient information to support proposals to list the species as threatened or endangered, and for which the Service anticipates a listing proposal
(status, XN)	Nonessential experimental population in portion of range	Taxon which has been introduced or re-introduced in an area from which it has been extirpated, and for which certain provisions of the Act may not apply
PXN	Proposed nonessential experimental population	

(Modified from Federal Register, 50 CFR Part 17.11 {31 December 1999})

*** Taxa listed as candidate species may be added to the list of Endangered and Threatened species, and as such, consideration should be given to them in environmental planning. Taxa listed as LE, LT, PE, and PT must be given consideration in environmental planning involving federal funds, lands, or permits, and should be given consideration in all non-federal activities. For further information, please contact the Tennessee Field Office of the FWS, 446 Neal Street, Cookeville, TN 38501; (931) 528-6481.

State Status

In Tennessee, vertebrates, mollusks and crustaceans may be formally listed by the TWRA as Endangered, Threatened, or “Deemed in Need of Management” (T.C.A. 70-8-104, 70-8-105, 70-8-107). No insects or arachnids can be listed by the TWRA, but may be listed by the FWS.

E	Endangered	Any species or subspecies of wildlife whose prospects of survival or recruitment within the state are in jeopardy or are likely to become so within the foreseeable future
T	Threatened	Any species or subspecies of wildlife that is likely to become an endangered species within the foreseeable future
D	“Deemed in Need of Management”	Any species or subspecies of nongame wildlife which the executive director of the TWRA believes should be investigated in order to develop information relating to populations, distribution, habitat needs, limiting factors, and other biological and ecological data to determine management measures necessary for their continued ability to sustain themselves successfully. This category is analogous to “Special Concern.”

Comprehensive Wildlife Conservation Strategy

In 2004, TWRA and TNC began a joint partnership to develop a Comprehensive Wildlife Conservation Strategy (CWCS) for Tennessee, from which was produced a detailed list of species of Greatest Conservation Need (GCN). Recognizing the role the TWRA plays in the conservation of habitats- including those containing species that cannot be legally listed at the state level- the CWCS includes numerous insects, arachnids, millipedes, and other invertebrates not legally defined as wildlife. Details about the CWCS and GCN species may be found at www.state.tn.us/twra/cwcs/cwcsindex.html. Numerous GCN species are represented in the current rare animals list.

Note: Many species presented in the TNHP list may have neither a state nor federal designation, however are considered rare by the DNA, NatureServe, or other agencies, and should be evaluated during the environmental review process. Information is collected on

these species in order to minimize the necessity of listing these taxa as endangered or threatened.

Global and State Ranks

As a guide in setting conservation priorities, TNC developed a ranking system for estimating the abundance of plants and animals tracked by Natural Heritage programs. The Global Rank (GRANK) is assigned by NatureServe Central Zoology staff based on the best range-wide (global) abundance information for each taxon. A five-tier system (G1-G5) is used to describe rarity, from G1 (extremely rare) to G5 (widespread). The same system is applied by the TNHP to assign the State Rank (SRANK), which describes the species' abundance within our state borders. Numerous land management agencies, including the Cherokee National Forest, use GRANK to help determine sensitive species that occur on their properties.

SRANK and GRANK are based primarily upon the number of occurrences of the element (species) within the state and range-wide, respectively. For obscure or under-studied species, ranks are based on the best available information, and consideration may be given to other factors influencing the rarity of each taxon, including threats, abundance, population trends, and distribution.

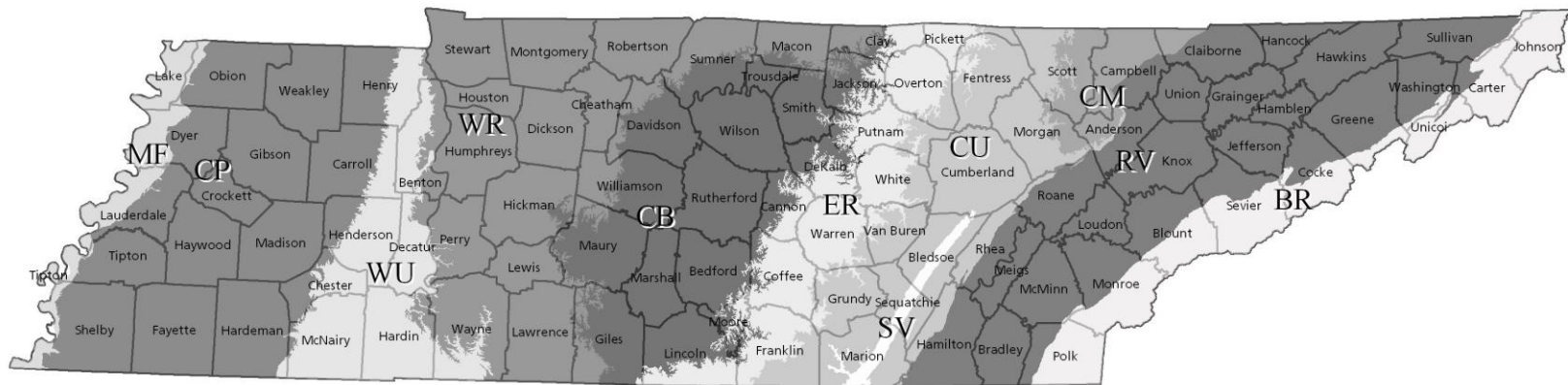
SRANKs used in this list are defined below. GRANKs are similarly defined, except that ranking criteria apply range-wide (e.g. an S1 species is “critically imperiled” in the state, and a G1 species is “critically imperiled” range-wide).

S1	Extremely rare and critically imperiled in the state (often with five or fewer occurrences), or very few remaining individuals, or because of some special condition where the species is particularly vulnerable to extirpation
S2	Very rare and imperiled within the state, six to twenty occurrences, or few remaining individuals, or because of some factor(s) making it vulnerable to extirpation
S3	Vulnerable , rare, and uncommon in the nation or state due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors making it vulnerable to extirpation
S4	Uncommon but not rare, and apparently secure within the state, but with cause for long-term concern due to declines or other factors
S5	Demonstrably common, widespread, and secure in the state
SH	Of historical occurrence in Tennessee, e.g. formally part of the established biota, with the expectation that it may be rediscovered
SX	Believed extirpated from the state with little expectation of rediscovery
S#S#	Denotes a “range rank” because the rarity of the species is uncertain (e.g. S1S3)
S?, S_?	Unranked at this time or rank uncertain

_N	Conservation status refers to the non-breeding population of the species in Tennessee (mostly applies to vertebrates)
_B	Conservation status refers to the breeding population of the species in Tennessee (mostly applies to vertebrates)
_Q	Questionable taxonomy (GRANKs only)
_T#	Subspecific taxon rank (GRANKs only)
_NR	Not ranked
_U	Currently unrankable due to lack of information or due to substantially conflicting information about status or trends

Note: Those species having an SRANK of S1 to S3, state endemics, and species with limited distribution in Tennessee should be given special consideration in environmental planning. For further information contact DNA at (615) 532-0440.

Physiographic Provinces of Tennessee



MF Mississippi Flood Plain
CP Coastal Plain
WU West Tennessee Uplands
WR Western Highland Rim
CB Central Basin
ER Eastern Highland Rim

CU Cumberland Plateau
CM Cumberland Mountains
SV Sequatchie Valley
RV Ridge and Valley
BR Blue Ridge Mountains

For vertebrate animals, see page 45.

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
Invertebrate Animal					
Arachnids					
ARACHNIDA (SPIDERS & PSEUDOSCORPIONS)					
Anthrobia mammothia	Tellkamp, 1844			Mammoth Cave spider	
Terrestrial cave obligate; reported from a handful of caves in the middle Cumberlands; Bledsoe, Grundy, & Van Buren counties.		ER, SV		S1	G5
Appaleptoneta sp. 1				A Leptonetid Spider From Ghost River Cave	
Terrestrial cave obligate; reported from the northern Cumberlands.		ER, CU		S1	G1
Chitrella archeri	Malcolm & Chamberlin, 1960			A Cave Obligate Pseudoscorpion	
Terrestrial cave obligate; associated with bat guano in caves of eastern middle Tennessee.		ER		S1S2	G1G2
Cybaeopsis pantopla	(Bishop and Crosby, 1935)			An Amaurobiid Spider	
Terrestrial cave obligate; reported from northern Cumberlands.				S2	G3
Fumontana deprehendor	Shear			A Harvestman	
Within well-decayed hemlock logs, under rocks or leaf litter; rich woods with moderate slopes; southern Appalachians.				S1	G1G2
Hesperochernes mirabilis	(Banks, 1895)			Southeastern Cave Pseudoscorpion	
Terrestrial cave obligate; woodrat debris in caves; middle Tennessee.		ER, SV, CU		S3	G5
Kleptochthonius affinis	Muchmore, 1976			A Cave Obligate Pseudoscorpion	
Terrestrial cave obligate; Ridge & Valley.		RV		S1S2	G1G2
Kleptochthonius barri	Muchmore, 1965			A Cave Obligate Pseudoscorpion	
Terrestrial cave obligate; southern Cumberlands.		ER, CU		S1S2	G1G2
Kleptochthonius charon	Muchmore, 1965			A Cave Obligate Pseudoscorpion	
Terrestrial cave obligate; Sequatchie Valley.		SV		S1S2	G1G2
Kleptochthonius daemonius	Muchmore, 1965			A Cave Obligate Pseudoscorpion	
Terrestrial cave obligate; Cumberland Plateau.		ER, CU		S1S2	G1G2
Kleptochthonius infernalis	Malcolm & Chamberlin, 1961			A Cave Obligate Pseudoscorpion	
Terrestrial cave obligate; Grassy Cove; Cumberland County.		CU		S1	G1

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
ARACHNIDA (SPIDERS & PSEUDOSCORPIONS)					
Kleptochthonius magnus Terrestrial cave obligate; southern Cumberlands.	Muchmore, 1966 CU		A Cave Obligate Pseudoscorpion	S1	G1
Kleptochthonius myopius Terrestrial cave obligate; Eastern Highland Rim.	Malcolm & Chamberlin, 1961 ER		A Cave Obligate Pseudoscorpion	S1	G1
Kleptochthonius pluto Terrestrial cave obligate; Eastern Highland Rim.	Muchmore, 1965 ER, CU		A Cave Obligate Pseudoscorpion	S1	G1
Kleptochthonius rex Terrestrial cave obligate; Eastern Highland Rim.	Malcolm & Chamberlin, 1961 ER		A Cave Obligate Pseudoscorpion	S1	G1
Kleptochthonius stygius Terrestrial cave obligate; Eastern Highland Rim.	Muchmore, 1965 ER		A Cave Obligate Pseudoscorpion	S1	G1
Kleptochthonius tantalus Terrestrial cave obligate; southern Cumberlands.	Muchmore, 1966 CU		A Cave Obligate Pseudoscorpion	S1	G1
Liocranoides archeri Terrestrial cave obligate; reported from a handful of caves in mid and S Cumberlands; Franklin, Grundy, Marion, & Warren counties.	Platnick, 1999		Archer's Two-clawed Spider	S2	G2
Liocranoides tennesseensis Terrestrial cave associate; reported from a handful of caves in mid and N Cumberlands; Cumberland, Putnam, & Warren counties.	Platnick, 1999		Tennessee Two-clawed Spider	S1	G1
Microcreagris nickajackensis Terrestrial cave obligate; known from only one cave in S Cumberlands; Marion County.	Muchmore, 1966		A Cave Obligate Pseudoscorpion	S1	G1G2
Microhexura montivaga Moss mats in high-elevation spruce-fir forests; Southern Appalachians.	Crosby and Bishop, 1925 BR		Spruce-fir Moss Spider	LE S1	G1
Nesticus barri Terrestrial cave obligate; southern Cumberlands; reported from Franklin & Marion counties.	Gertsch, 1984 CU		A Cave Obligate Spider	S3	G3
Nesticus barrowsi Terrestrial cave obligate; Appalachian Mountains.	Gertsch, 1984 BR		A Cave Obligate Spider	S1S2	G1G2
Nesticus dilutus Terrestrial cave obligate; Rhea County.	Gertsch, 1984 RV		Grassy Creek Cave Spider	S1	G1

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
ARACHNIDA (SPIDERS & PSEUDOSCORPIONS)					
Nesticus furtivus Terrestrial cave obligate, S Cumberlands; Hamilton County; known only from the type locality.	Gertsch, 1984	RV	Crystal Caverns Cave Spider	S1	G1
Nesticus paynei Terrestrial cave associate; also may be found on surface; northern Ridge & Valley.	Gertsch, 1984	RV	A Cave Spider	S3	G3G4
Nesticus pecki Terrestrial cave associate and possibly obligate; known from one cave in S. Cumberlands; Marion County.	Hedin and Dellinger, 2005		Monteagle Cave Spider	S1	GNR
Nesticus stygius Terrestrial cave obligate; reported from wet caves; northern Cumberlands.	Gertsch, 1984	ER, CU	A Cave Obligate Spider	S1S2	G1G2
Nesticus tennesseensis Terrestrial cave associate or possibly obligate; east Tennessee.	(Petrunkevich, 1925)	ER, RV	Tennessee cave spider	S2S4	G3G4
Phalangodes appalachius Terrestrial cave obligate; Cumberland Plateau.	(Goodnight & Goodnight, 1942)	ER, CU	A Cave Obligate Harvestman	S3	G3G4
Poecilophysis weyerensis Terrestrial cave obligate; east Tennessee.	(Packard)		A Cave Mite	S2S3	G3?
Porhomma cavernicola Terrestrial cave obligate; eastern half of Tennessee; sporadic.	(Keyserling, 1886)	ER, CB, CU	Appalachian Cave Spider	S1?	G5
Theromaster sp. 1 Terrestrial cave associate; known from one cave in the Cumberland Plateau; Van Buren County.		CU	A Harvestman From Cummings Cove Cave	S1	G1
Tyrannochthonius fiskei Terrestrial cave obligate; reported from one cave in the S Cumberlands; Franklin County.	Muchmore, 1996	CU	A Cave Obligate Pseudoscorpion	S1	G1
Tyrannochthonius halopotamus Terrestrial cave obligate; known from one cave in the S Cumberlands; Franklin County.	Muchmore, 1996		A Cave Obligate Pseudoscorpion	S1	G1
Tyrannochthonius steevesi Terrestrial cave obligate; northernmost Eastern Highland Rim; known from one cave in Pickett County.	Muchmore, 1996	ER	A Cave Obligate Pseudoscorpion	S1	G1

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
Crustaceans					
CRUSTACEA (AMPHIPODS, ISOPODS & DECAPODS)					
Acanthocyclops parasensitivus	Reid, 1997/1998			A Copepod	
Aquatic cave associate; reported from one cave in the S Cumberlands; Grundy County.				S2	G2
Amergoniscus nicholasi	(Vandel, 1965)			A Cave Obligate Isopod	
Terrestrial cave obligate; known from two caves; Western Highland Rim and Ridge & Valley.	WR, RV			S1S2	G1G2
Amergoniscus paynei	(Muchmore, 1970)			A Cave Obligate Isopod	
Terrestrial cave obligate; northern Ridge & Valley; Anderson, Hancock, & Union counties.				S1S2	G1G2
Bactrurus angulus	Koenemann and Holsinger, 2001			Cumberland Gap Cave Amphipod	
Aquatic cave obligate; Cumberland Gap area.	RV			S1	G1
Barbicambarus cornutus	(Faxon, 1884)			Bottle Brush Crayfish	
Under slabrock in medium-large tributaries of Barren River watershed; Sumner, Macon, Clay counties.	WR			S2	G4
Caecidotea bicrenata whitei	Lewis and Bowman, 1981			A Cave Obligate Isopod	
Aquatic cave obligate; middle Tennessee.				S1?	G3G4T3T4
Caecidotea circulus	(Steeves, 1968)			A Cave Obligate Isopod	
Aquatic cave obligate; Cumberland Plateau.	SV, CU			S1	G1G2
Caecidotea incurva	(Steeves, 1968)			Incurved Cave Isopod	
Aquatic cave obligate; known from two wet caves in east Tennessee.	RV, BR			S1	G2G4
Caecidotea nickajackensis	Packard, 1881			Nickajack Cave Isopod	
Aquatic cave obligate; Nickajack Cave (historically); probably extirpated by impoundment.	CU			S1	G2G3
Caecidotea nortoni	(Steeves, 1966)			A Cave Obligate Isopod	
Aquatic cave obligate; eastern Ridge & Valley.	RV			S1S2	G2G3
Caecidotea recurvata	(Steeves, 1963)			Southwestern Virginia Cave Isopod	
Aquatic cave obligate; northernmost Ridge & Valley; reported from Campbell, Claiborne, & Hancock counties.				S2	G5
Caecidotea scyphus	(Steeves and Holsinger, 1968)			A Cave Obligate Isopod	
Aquatic cave obligate; Grassy Cove; Cumberland County.	CU			S1	G1G2

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
CRUSTACEA (AMPHIPODS, ISOPODS & DECAPODS)					
Cambarus bouchardi Small to medium sized streams under rock cover; Roaring Paunch Creek & tributaries (Big South Fork watershed); tertiary burrower.	Hobbs, 1970	CM, CU	E	S1	G2G3
Cambarus clivosus Occurs in spring- or seep-fed tributaries of Caney Fork & Stones rivers; escarpment of E Highland Rim in Cannon & DeKalb counties.	Taylor, Soucek, and Organ, 2006			S2	G2
Cambarus conasaugaensis Mountain seeps & small to medium sized streams in Appalachians; Hiwassee River watershed, Polk County.	Hobbs and Hobbs III, 1962	BR		S1	G3
Cambarus cymatilis Primary burrower; seeps & wet grassy areas including homesites; Conasauga R watershed and adjacent portion of Hiwassee R basin.	Hobbs, 1970	RV	E	S1	G1
Cambarus deweesae Primary burrower; open areas with high water tables; northern Ridge & Valley.	Bouchard and Etnier, 1979	RV	E	S1	G4
Cambarus extraneus Springs & small to medium sized streams under rocks or in vegetation; South Chickamauga Creek watershed, Hamilton County.	Hagen, 1870	RV	T	S1S2	G2
Cambarus hamulatus Aquatic cave obligate; Sequatchie Valley & southern Cumberlands.	(Cope, 1881)	SV, CU		S3	G3G4
Cambarus hiwasseeensis Under rocks in clear, swift flowing tributaries of the upper Hiwassee River, Polk County.	Hobbs, 1981	BR		S1	G3G4
Cambarus obeyensis Under cover in small-medium sized streams; headwaters of East Fork Obey River; northern Cumberlands; tertiary burrower.	Hobbs and Shoup, 1947	CU	T	S2	G2
Cambarus pristinus Under cover in small-large size streams; headwaters of Caney Fork River & abutting Sequatchie River tributaries; Cumberland Plateau.	Hobbs, 1965	CU	E	S2	G2
Cambarus sp. 1 Under rock cover in Emory River & larger tributaries, Morgan County.		CU		S1	G1?
Cambarus sp. 2 Primary burrower; seeps & wet grassy areas incl homesites; Conasauga R watershed and adj Hiwassee R basin; Bradley County. 		RV		S1S2	GNR

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
CRUSTACEA (AMPHIPODS, ISOPODS & DECAPODS)					
Cambarus williamsi East Fork Stones River, its gravel-bottomed tributaries, and karst springs; makes short burrows in cobble; Cannon County.	Bouchard and Bouchard, 1995	ER, CB	E	S2	G2
Dactylocythere steevesi Aquatic cave obligate; crayfish commensal; Cumberland Plateau & Eastern Highland Rim generally.	(Hart and Hobbs 1961)	ER, CU		S2S3	G4
Diacyclops indianensis Aquatic cave obligate from stream gravels & flood pools; Highland Rim escarpment to the Cumberland Plateau.	Reid, 2004			S1	G2
Diacyclops yeatmani Aquatic cave obligate; central & southern Cumberlands generally; possibly part of a species complex.	J.W. Reid, 1988	ER, CU		S1	G2G3
Donnaldsoncythere tuberosa Aquatic cave obligate; Eastern Highland Rim; Putnam & Overton counties; crayfish commensal.	(Klie, 1931)	ER		S2?	G2G3
Fallicambarus hortonii Primary burrower; uses saturated or seasonally saturated soils associated with permanent bodies of water; Mississippi River tributaries, Coastal Plain.	Hobbs and Fitzpatrick, 1970	CP, WU	E	S1	G1
Ligidium elrodii hancockensis Terrestrial cave obligate; in wet organic debris; northern Ridge & Valley.	Schultz, 1970	RV		S1?	G4G5T1T2
Megacyclops donnaldsoni Aquatic cave obligate; known from one cave in S Cumberlands; Grundy County.	(Chappuis, 1929)			S1	G3G4
Miktoniscus barri Terrestrial cave obligate from leaf litter; reported from Western Highland Rim & northern Cumberlands; spotty distribution.	Vandel, 1965	ER		S2?	G2G4
Orconectes alabamensis Small-medium sized streams, in pools under rocks; Tennessee River tributaries from Shoal Creek downstream to the Buffalo River.	(Faxon, 1884)	WR, WU	D	S2	G5
Orconectes australis Aquatic cave obligate; subterranean streams & pools; Eastern Highland Rim escarpment to the Cumberland Plateau.	(Rhoades, 1941)	ER, CU		S3	G5

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
CRUSTACEA (AMPHIPODS, ISOPODS & DECAPODS)					
Orconectes burri In woody debris or leaf piles, small-medium sized streams with sand-gravel substrates; Blood River drainage (TN River), Henry County.	Taylor and Sabaj, 1998	CP		S1	G1
Orconectes cooperi Among leaf litter in medium-sized streams; headwaters of Flint River watershed; Lincoln County.	Cooper and Hobbs, 1980	ER		S1	G1
Orconectes incomptus Aquatic cave obligate; subterranean streams & shallow pools; lower-elevation caves of Highland Rim escarp; Cumb River watershed.	Hobbs and Barr, 1972	ER, CB	E	S1	G1
Orconectes pellucidus Aquatic cave obligate; subterranean streams & pools of Penneroyal Plain; Montgomery & Robertson counties.	(Tellkamp, 1844)	WR		S3	G4
Orconectes shoupi 1st-order & larger streams, generally with bedrock bottom, under slabrock; endemic to Mill Creek watershed; Davidson & William. cos.	Hobbs, 1948	CB	E	LE	S1S2 G1G2
Orconectes wrighti Small-medium sized streams with cobble-sand substrates, under rocks or in leaf litter; western tribs of the Tennessee River in Hardin & McNairy counties.	Hobbs, 1948	WU	E	S2	G2
Pseudocandona jeanneli Aquatic cave obligate; reported from six caves along the western escarpment of the Cumberland Plateau.	(Klie, 1931)			S1S2	G1G2
Sagittocythere barri Aquatic cave obligate; crayfish commensal.	(Hart and Hobbs, 1961)	ER, CB, CU		S3	G5
Stygobromus barryi Aquatic cave obligate; northern Blue Ridge mountains; Unicoi County.	Holsinger, 1978	BR		S1	G2G3
Stygobromus dicksoni Aquatic cave obligate from drip pools; Lookout Mountain; Hamilton County.	Holsinger, 1978			S1S2	G5
Stygobromus fecundus Aquatic cave obligate, from rimstone pools; Cades Cove; Great Smoky Mountains National Park.	Holsinger, 1978	BR		S1	G1G2
Stygobromus finleyi Aquatic cave obligate, from shallow pools; northern Ridge & Valley; Claiborne County.	Holsinger, 1978	RV		S1	G3G4

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
CRUSTACEA (AMPHIPODS, ISOPODS & DECAPODS)					
Stygobromus mackini	Hubricht, 1943		Southwestern Virginia Cave Amphipod		
Aquatic cave obligate; reported from six counties in northern Ridge & Valley.				S2	G5
Stygobromus nortoni	(Holsinger, 1969)		Norton's Cave Amphipod		
Aquatic cave obligate, from pools; Eastern Highland Rim and Ridge & Valley.	ER, RV			SH	G2G3
Stygobromus sp. 24			Cave Amphipod (Overton Co., TN)		
Aquatic cave obligate; wet caves in the escarpment of the Cumberland Plateau; Overton County.	ER, CU			S1	G1
Stygobromus sp. 30			Bosnak's Cave Amphipod		
Aquatic cave obligate; reported from a handful of caves in the middle Cumberlands; White and Van Buren counties.				S2	G2
Stygobromus sp. 33			A Cave Amphipod from Rutherford County		
Aquatic cave obligate; known from a single cave in the Central Basin of Rutherford Co.				S1	G1
Stygobromus sparsus	Holsinger, 1978		A Cave Obligate Amphipod		
Aquatic cave obligate, from drip pools; Cades Cove; Great Smoky Mountains National Park.	BR			S1	G4
Stygobromus vitreus	Cope, 1872		An Amphipod		
Aquatic cave obligate; pools in wet caves; northernmost Highland Rim and southernmost Cumberlands.	WR, ER			S2	G4

Insects

COLEOPTERA (BEETLES)

Aloconota diversiseta	Klimaszewski and Peck, 1986		A Rove Beetle		
Terrestrial cave obligate; Cumberland Plateau.	CU			S1	G1
Anillinus sp. 5			Flag Trail Cave Beetle		
Terrestrial cave obligate; northern Cumberlands.	CU			S1	G1
Arianops stygica	Park, 1960		Cave Ant Beetle		
Terrestrial cave obligate; known from one cave in the middle Cumberlands; Warren County.				S1	G1
Atheta lucifuga	Klimaszewski and Peck, 1986		Light Shunning Rove Beetle		
Terrestrial cave associate; reported from two caves in the Cumberland Plateau; Van Buren County.	CU			S2	G4

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
COLEOPTERA (BEETLES)					
Batriasymmodes greeveri Terrestrial cave obligate; northern Ridge & Valley.		Park 1965		A Cave Obligate Beetle	
				S1S2	G1G2
Batriasymmodes quisnamus Terrestrial cave obligate; middle Tennessee.		(Park, 1951)		A Cave Obligate Beetle	
	ER			S3	G3G4
Batriasymmodes spelaeus Terrestrial cave obligate; northern Cumberlands and northern Ridge & Valley.		(Park, 1951)		A Cave Obligate Beetle	
	SV			S2?	G5
Batrisodes barri Terrestrial cave obligate; Western Highland Rim; Dickson County.		Park, 1958		A Cave Obligate Beetle	
	WR			S1S2	G1G2
Batrisodes clypeospecus Terrestrial cave obligate; northern Cumberlands.		Park 1951		A Cave Obligate Beetle	
	ER, CU			S1S2	G1G2
Batrisodes ferulifer Terrestrial cave obligate; middle Tennessee; Central Basin; reported from Maury County.		Park 1951		A Cave Obligate Beetle	
	CB			S1	G1
Batrisodes gemmoides Terrestrial cave obligate; Western Highland Rim; reported from Dickson County.		Park 1960		A Cave Obligate Beetle	
	WR			S1	G1
Batrisodes gemmus Terrestrial cave obligate; Western Highland Rim; reported from Dickson County.		Park 1956		A Cave Obligate Beetle	
	WR			S1	G1
Batrisodes pannosus Terrestrial cave obligate; Eastern Highland Rim.		Park 1960		A Cave Obligate Beetle	
	ER			S1	G1
Batrisodes valentinei Terrestrial cave obligate; southern Cumberlands.		Park, 1951			A Beetle
				S1?	G2G4
Cicindela patruela Prefers sandy/coarse gravel or eroding sandstone throughout range; dry woodlands; historic records from N Cumberlands & GSMNP.		Dejean, 1825		Northern Barrens Tiger Beetle	
				S2	G3
Darlingtonia kentuckensis Terrestrial cave obligate; northern Cumberlands.		Valentine 1952		A Ground Beetle	
				S1?	G3G4
Nelsonites walteri Terrestrial cave obligate, northern Cumberlands.		Valentine 1952		A Cave Obligate Beetle	
	ER, CU			S3	G3G4

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
COLEOPTERA (BEETLES)					
Nicrophorus americanus Grassland, old field shrubland, and hardwood forests; poss. west TN; carrion feeder; may be extirpated from Tennessee.	Olivier 1890		American Burying Beetle	LE	SH G2G3
Pseudanophthalmus acherontis Terrestrial cave obligate; Central Basin; reported from Wilson & Rutherford counties.	Barr, 1959	CB	Echo Cave Beetle	S1	G1
Pseudanophthalmus bendermani Terrestrial cave obligate; Central Basin.	Barr, 1959	CB	Benderman's Cave Beetle	S1S2	G1G2
Pseudanophthalmus catherinae Terrestrial cave obligate; Central Basin.	Barr, 1959	CB	Catherine's Cave Beetle	S1	G1
Pseudanophthalmus ciliaris ciliaris Terrestrial cave obligate; Western Highland Rim.	Valentine 1937		A Cave Obligate Beetle	S1S2	G3G4T1T2
Pseudanophthalmus ciliaris orlindae Terrestrial cave obligate; Western Highland Rim.	Barr, 1959		A Cave Obligate Beetle	S1S2	G3G4T1T2
Pseudanophthalmus colemanensis Terrestrial cave obligate; Western Highland Rim.		WR	Coleman Cave Beetle	S1	G1
Pseudanophthalmus cumberlandus Terrestrial cave obligate; outer Central Basin.	Valentine 1937		A Cave Obligate Beetle	S1S2	G1G2
Pseudanophthalmus digitus Terrestrial cave obligate; southern Cumberlands; reported from W Hamilton County.	Valentine 1932		A Cave Obligate Beetle	S1	G1G2
Pseudanophthalmus engelhardti Terrestrial cave obligate; northern Ridge & Valley.	(Barber, 1925)	RV	Engelhart's Cave Beetle	S1	G1
Pseudanophthalmus farrelli Terrestrial cave obligate; eastern Highland Rim escarpment.	(Barr 1959)	ER	A Cave Obligate Beetle	S1S2	G2G3
Pseudanophthalmus fowlerae Terrestrial cave obligate; eastern Highland Rim.	Barr, 1980	ER	Fowler's Cave Beetle	C S1	G1
Pseudanophthalmus fulleri Terrestrial cave obligate; southern Cumberlands.	Valentine, 1932		A Cave Obligate Ground Beetle	S2S3	G2G3

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
COLEOPTERA (BEETLES)					
Pseudanophthalmus hesperus Terrestrial cave obligate; Western Highland Rim.	Barr 1959	WR	A Cave Obligate Beetle	S1	G1
Pseudanophthalmus hirsutus Terrestrial cave obligate; northern Ridge & Valley.	Valentine, 1931		Cumberland Gap Cave Beetle	S1	G1G2
Pseudanophthalmus humeralis Terrestrial cave obligate; southern Cumberlands.	Valentine, 1931	ER, CU	A Ground Beetle	S2	G2
Pseudanophthalmus inquisitor Terrestrial cave obligate; Eastern Highland Rim escarpment.	Barr, 1980	ER	Inquirer Cave Beetle	C S1	G1
Pseudanophthalmus insularis Terrestrial cave obligate; northern Central Basin; known from single historical record in Davidson County.	Barr, 1959	CB	Baker Station Cave Beetle	C S1	GH
Pseudanophthalmus intermedius Terrestrial cave obligate; S Cumberlands; Franklin & Grundy counties.	(Valentine, 1931)		Intermediate Cave Beetle	S2	G2
Pseudanophthalmus jonesi Terrestrial cave obligate; Grassy Cove; Cumberland County.	Valentine, 1945	CU	Grassy Cove Cave Beetle	S1S2	G1G2
Pseudanophthalmus loganensis Terrestrial cave obligate; Western Highland Rim.	Barr, 1959	WR	A Cave Obligate Beetle	S1S2	G2G3
Pseudanophthalmus longiceps Terrestrial cave obligate; Ridge & Valley.	Barr, 1951	RV	Long-headed Cave Beetle	S1	G1G2
Pseudanophthalmus macraddei Terrestrial cave obligate; middle Cumberlands.	Valentine 1948	ER, CU	A Cave Obligate Beetle	S1S2	G1G2
Pseudanophthalmus nickajackensis Terrestrial cave obligate; Nickajack Cave; Marion County.	Barr, 1981	CU	Nickajack Cave Beetle	S1	G2G3
Pseudanophthalmus nortoni Terrestrial cave obligate; Ridge & Valley.	Barr, 1981	RV	Norton's Cave Beetle	S1	G1
Pseudanophthalmus occidentalis Terrestrial cave obligate; Western Highland Rim.	Barr, 1959	WR	Western Cave Beetle	S1	G1G2

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
COLEOPTERA (BEETLES)					
Pseudanophthalmus pallidus Terrestrial cave obligate; northern Ridge & Valley.		Barr, 1981		Pale Cave Beetle	
	RV			S1S2	G1G2
Pseudanophthalmus paradoxus Terrestrial cave obligate; northern Ridge & Valley.		Barr, 1981		Ridgetop Cave Beetle	
	RV			S1	G1
Pseudanophthalmus paulus Terrestrial cave obligate; southern Ridge & Valley; reported from one historical location in Monroe County.		Barr, 1981		Nobletts Cave Beetle	
	RV		C	S1	GH
Pseudanophthalmus paynei Terrestrial cave obligate; northern Ridge & Valley; reported from Anderson County.		Barr, 1981		Payne's Cave Beetle	
	RV			S1	G1
Pseudanophthalmus princeps Terrestrial cave obligate; Barren River watershed.		Barr, 1979		A Cave Obligate Beetle	
				S1S2	G1G2
Pseudanophthalmus pusillus Terrestrial cave obligate; northern Ridge & Valley.		Barr, 1981		Tiny Cave Beetle	
	RV			S1	G1
Pseudanophthalmus rotundatus Terrestrial cave obligate; northern Ridge & Valley.		Valentine, 1932		A Ground Beetle	
	RV			S2	G2G3
Pseudanophthalmus scutilus Terrestrial cave obligate; Cumberland Mountains.		Barr, 1981		A Cave Obligate Beetle	
	CM			S1	G1
Pseudanophthalmus sidus Terrestrial cave obligate; northern Ridge & Valley.		Barr, 1965		Meredith Cave Beetle	
	RV			S1	G1
Pseudanophthalmus simplex Terrestrial cave obligate; northern Eastern Highland Rim.		Barr, 1980		Simple Cave Beetle	
	ER, CB			S1S2	G1G2
Pseudanophthalmus sp. 27 Terrestrial cave obligate; middle Cumberlands; Van Buren & White counties.				Rumbling Falls Cave Beetle	
	ER, CU			S1	G1
Pseudanophthalmus sp. 28 Terrestrial cave obligate; Fentress County.				Sells Cave Ground Beetle	
				S1	GNR
Pseudanophthalmus sp. 29 Terrestrial cave obligate; Overton County.				Falling Springs Cave Beetle	
	CU			S1	G1

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
COLEOPTERA (BEETLES)					
Pseudanophthalmus sp. 30					Ace in the Hole Cave Beetle
Terrestrial cave obligate; Fentress County.	CU			S1	G1
Pseudanophthalmus sp. 36	(T.C. Barr, Jr.)				Millers Cave Beetle
Terrestrial cave obligate; escarpment to Short Mountain; Cannon County; known from one cave in Collins R watershed.	ER			S1?	GNR
Pseudanophthalmus sp. 37					Caney Hollow Cave Ground Beetle
Terrestrial cave obligate; Eastern Highland Rim; known from one cave in Franklin County.				S1	G1
Pseudanophthalmus sp. 38					Aaron Tolletts Cave Beetle
Terrestrial cave obligate; upper Sequatchie Valley; known from one cave in Bledsoe County.				S1	G1
Pseudanophthalmus sp. 39					Baker Cave Beetle
Terrestrial cave obligate; known from one cave near Crab Orchard; Cumberland County.				S1	G1
Pseudanophthalmus sp. 40					Keyhole Cave Beetle
Terrestrial cave obligate; known from two caves in the Sequatchie Valley of Sequatchie County.				S1	G1
Pseudanophthalmus sp. 41					Wilmoth Cave Beetle
Terrestrial cave obligate; reported from one cave in the Sequatchie Valley of Sequatchie County.				S1	G1
Pseudanophthalmus templetoni	Valentine 1948				A Cave Obligate Beetle
Terrestrial cave obligate; Collins River basin.	ER, CU			S1	G1
Pseudanophthalmus tennesseensis	Valentine, 1937				A Cave Obligate Beetle
Terrestrial cave obligate; Ridge & Valley.				S2	G3
Pseudanophthalmus tiresias	Barr, 1959				Indian Grave Point Cave Beetle
Terrestrial cave obligate; Eastern Highland Rim; DeKalb County.	ER		C	S1	G1
Pseudanophthalmus tullahoma	Barr, 1959				Duck River Cave Beetle
Terrestrial cave obligate; Central Basin; Duck River drainage.	CB			S1	G1G2
Pseudanophthalmus unionis	Barr, 1981				Union County Cave Beetle
Terrestrial cave obligate; Ridge & Valley; Union County.	RV			S1	G1G2
Pseudanophthalmus valentinei	Jeannel 1949				A Cave Obligate Beetle
Terrestrial cave obligate; northern Eastern Highland Rim; Putnam & Overton counties.	ER, CU			S2S3	G3G4

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
COLEOPTERA (BEETLES)					
Pseudanophthalmus vanburensis Terrestrial cave obligate; middle Cumberlands.		Barr 1959		A Cave Obligate Beetle	
	ER			S1	G1
Pseudanophthalmus ventus Terrestrial cave obligate; lower Sequatchie Valley.		Barr, 1981		Blowing Cave Beetle	
	SV			S1	G1
Pseudanophthalmus wallacei Terrestrial cave obligate; Ridge & Valley; Anderson County.		Barr, 1981		Wallace's Cave Beetle	
	RV			S1	G1
Ptomaphagus barri Terrestrial cave obligate; Cannon County.		Peck 1973		A Cave Obligate Beetle	
	ER			S1S2	G2G3
Ptomaphagus chromolithus Terrestrial cave obligate; Paint Rock River drainage; Franklin County.		Peck, 1984		A Cave Obligate Beetle	
				S1	G2G3
Ptomaphagus fecundus Terrestrial cave obligate; Franklin County; Highland Rim escarpment.		Barr 1963		A Cave Obligate Beetle	
	ER			S1	G1
Ptomaphagus hubrichti Terrestrial cave obligate; Eastern Highland Rim escarpment.		Barr 1959		A Cave Obligate Beetle	
				S2	G2G3
Subterrochus ferus Terrestrial cave obligate; reported from two caves in S Cumberlands; Franklin & Grundy counties.		(Park, 1951)		A Cave Obligate Beetle	
				S1S2	G2G3
Trechus bowlingi Terrestrial; known only from spruce-fir forests at high elevations in the Great Smoky Mountains; 4900-6600 ft elevation.		Barr, 1962		A Carabid Beetle	
				S2S3	GNR
Trechus caliginis Terrestrial; known only from summit of Camp Creek Bald; Blue Ridge mountains; Greene County.		Barr, 1985		A Carabid Beetle	
				S1	GNR
Trechus cumberlandus Terrestrial associate of caves, springs, sinkholes; escarpment of the Cumberland Plateau, generally.		Barr, 1962		Cumberland Ground Beetle	
	ER, CU			S2	G2
Trechus haeo Terrestrial; found beneath moss carpets; summits of Unicoi Mountains; Blue Ridge; Monroe County.		Barr, 1979		A Carabid Beetle	
				S2	GNR
Trechus hydropicus beutenmuelleri Terrestrial; under moss, rocks in ravines, under and inside rotting logs, or in spruce and fir needle duff above 5000 ft; Blue Ridge.		Jeannel, 1931		A Carabid Beetle	
				S2S3	GNRTR

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
COLEOPTERA (BEETLES)					
Trechus inexpectatus	Barr, 1985			A Carabid Beetle	
Terrestrial; known only from summit of Camp Creek Bald; Blue Ridge mountains; Greene County.				S1	GNR
Trechus luculentus luculentus	Barr, 1962			A Carabid Beetle	
Terrestrial; found under rocks or debris beside seeps & springs or near water in little ravines; Great Smoky Mountains; Sevier County.				S1	GHTH
Trechus luculentus unicolor	Barr, 1979			A Carabid Beetle	
Terrestrial; found under rocks or debris beside seeps & springs or near water in little ravines; Unicoi Mtns; Blue Ridge; Monroe County.				S1	GHTH
Trechus nebulosus	Barr, 1962			A Carabid Beetle	
Terrestrial; moss carpets or mossy boulders at higher elevations; north portion of the central Great Smoky Mountains; Sevier County.				S3	GNR
Trechus novaculosus	Barr, 1962			A Carabid Beetle	
Terrestrial; found under wet scree piles at high elevations in spruce-fir forests of central Great Smoky Mountains; Sevier County.				S1	GH
Trechus roanicus	Barr, 1962			A Carabid Beetle	
Terrestrial; known only from the summit of Roan Mountain (Roan High Knob); Cherokee National Forest; Carter County.				S1	GH
Trechus stupkai	Barr, 1979			A Carabid Beetle	
Terrestrial; mossy rocks at edge of Ramsey Prong upst Ramsay Cascades; Gt Smoky Mtns Natl Pk; Sevier Co; only known location.				S1	GNR
Trechus talequah	Barr, 1962			A Carabid Beetle	
Terrestrial; known only from the Unicoi Mountains near Haw Knob between 4800-5000 ft; Monroe County.				S1	GNR
Trechus tennesseensis tauricus	Barr, 1962			A Carabid Beetle	
Terrestrial; known only from sink around entrance to Bull Cave; Great Smoky Mountains National Park; Blount County.				S1	GNRTNR
Trechus tennesseensis tennesseensis	Barr, 1962			A Carabid Beetle	
Terrestrial; known only from Berry Cave entrance/sink; Ridge & Valley; Roane County.				S1	GNRTNR
Trechus tonitru	Barr, 1962			A Carabid Beetle	
Terrestrial; known only from summit of Thunderhead; high elevation; Great Smoky Mountains National Park; Blount County.				S1	GNR
Trechus tuckaleechee	Barr, 1962			A Carabid Beetle	
Terrestrial cave associate; known only from two cave entrances in Tuckaleechee Cove; base of Smoky Mountains; Blount County.				S2	GNR

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
COLEOPTERA (BEETLES)					
Trechus uncifer		Barr, 1962		A Carabid Beetle	
Terrestrial; known from a few sites in central and eastern Gt Smoky Mountains National Park above 5500 ft; Sevier & Cocke counties.				S3	GNR
Trechus valentinei		Barr, 1979		A Carabid Beetle	
Terrestrial; high elev spruce-fir forests under rocks adj streams/springs; shallow ravines; central Gt Smoky Mts Ntl Park; Sevier Co.				S2S3	GNR
Trechus vandykei		(Jeannel, 1927)		A Carabid Beetle	
Terrestrial; found in leafmold or under moss mats; Camp Creek Bald & Unaka Mountain; Blue Ridge; Greene & Unicoi counties.				S3?	GNR
Trechus verus		Barr, 1962		A Carabid Beetle	
Terrestrial; confined to eastern end of Smoky Mountains, summit & upper slopes of Mt. Sterling; Cocke County.				S2S3	GNR
Tychobythinus strinatii		Besuchet, 1982		A Cave Obligate Beetle	
Terrestrial cave obligate; middle Cumberlands.	CU			S1S2	G1G2
COLLEMBOLA (SPRINGTAILS)					
Arrhopalites marshalli		Christiansen and Bellinger, 1996		A Cave Springtail	
Terrestrial cave obligate; reported from four caves in the Cumberland Escarpment; Grundy & Overton counties.				S2	G2G4
Arrhopalites pavo		Christiansen and Bellinger, 1996		A Cave Springtail	
Terrestrial cave obligate; reported from three caves in the Cumberland Escarpment; Grundy & Overton counties.				S1S2	G1G2
Arrhopalites sp. 4				A Cave Springtail (species 1)	
Terrestrial cave obligate; middle Cumberlands.	CU			S1	G1
Folsomia sp. 2 nr. macrochaeta				A Springtail From Indian Cave	
Terrestrial cave obligate; middle Cumberlands; White County.	ER			S1	G1
Hypogastrura sp. 1				A Viatica Group Springtail	
Terrestrial cave obligate; Van Buren County; known from one cave in the Cumberland Plateau.	CU			S1	G1
Neanura sp. 1				A Cave Obligate Springtail From TN	
Terrestrial cave obligate; Rumbling Falls area, Van Buren Co; known from a single cave.	ER			S1	G1

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
COLLEMBOLA (SPRINGTAILS)					
Onychiurus sp. 2			A Cave Obligate Springtail From TN		
Terrestrial cave obligate, middle Cumberlands; reported from a single cave in Van Buren County.	ER			S1	G1
Pseudosinella christianseni	Salmon, 1964		A Cave Obligate Springtail		
Terrestrial cave obligate; portions of Cumberland Plateau & Sequatchie Valley.	ER, CB, SV, CU			S2	G5
Pseudosinella orba	Christiansen, 1961		A Cave Springtail		
Terrestrial cave obligate; reported from two caves in northern Cumberlands; Fentress & Pickett counties.	ER, CU			S2	G3G4
Pseudosinella pecki	Christiansen and Bonet, 1980		Peck's Cave Springtail		
Terrestrial cave obligate; reported from three caves in S Cumberlands, Grassy Cove, & Crab Orchard.				S2	G2G3
Pseudosinella sp. 5			A Cave Springtail From Swamp River Cave		
Terrestrial cave obligate; middle Cumberlands.	ER, CU			S1	G1
Pseudosinella sp. 6			A Springtail From Indian Cave		
Terrestrial cave obligate; White County. Reported from a single cave.	ER			S1	G1
Pseudosinella sp. 7 nr. nata			A Springtail From Upper Cummings Cove Cave		
Terrestrial cave obligate; Van Buren Co.	CU			S1	G1
Pseudosinella spinosa	(Delmare DeBoutteville, 1949)		A Cave Obligate Springtail		
Terrestrial cave obligate; middle and southern Cumberlands.	ER, CU			S2	G5
Sinella basidens	Bonet, 1934		A Cave Obligate Springtail		
Terrestrial cave obligate; Eastern Highland Rim.				S2	G3G4
Tomocerus missus	Mills, 1949		Relict cave springtail		
Terrestrial cave obligate; unusual distribution including one cave S Cumberlands & one cave N Eastern Highland Rim.				S2	G4
Triacanthella copelandi	(Wray, 1963)		Copeland's Springtail		
Terrestrial cave associate; middle Cumberlands; also reported from Great Smoky Mtns.	CU			S1	G1
DIPLURA (DIPLURANS)					
Litocampa jonesi	Conde, 1949		A Bristletail		
Terrestrial cave obligate, Western Highland Rim.				S1?	G2G3

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
DIPLURA (DIPLURANS)					
Litocampa sp. 5			A Cave Dipluran From TN		
Terrestrial cave obligate, Cumberland Plateau escarpment.	ER, SV, CU			S1	G2
Litocampa sp. 6			Buffalo Cove Cave Dipluran		
Terrestrial cave obligate, northern Cumberlands; possibly endemic to Buffalo Cove, Fentress County.	ER, CU			S1	G1
Litocampa sp. 7			Mill Hollow Cave Dipluran		
Terrestrial cave obligate, northern Cumberlands.	ER, CU			S1	G1
Litocampa sp. 8			Mountain Eye Cave Dipluran		
Terrestrial cave obligate, northern Cumberlands.	CU			S1	G1
Litocampa valentinei	(Conde, 1949)		A Cave Obligate Bristletail		
Terrestrial cave obligate, southern Cumberlands.	ER, CB, SV, CU			S2	G5
Podocampa sp. 1			A Dipluran		
Terrestrial cave associate and poss obligate; S Cumberlands; known from one cave in Franklin County.				S1	G1
EPHEMEROPTERA (MAYFLIES)					
Epeorus subpallidus	(Traver, 1937)		A Mayfly		
Streams; Great Smoky Mountains National Park; upper Tennessee River watershed.				S1	G1Q
Habrophlebiodes celeteria	Berner, 1975		A Mayfly		
Blue Ridge mountain streams; Tennessee River watershed; reported from Monroe & Unicoi counties.				S2	G2G4
Heterocloeon grande	(Wiersema and Long, 2000)		A Mayfly		
Larvae in first-fourth order streams in clumps of submerged grass along margins or in shallow run habitats; middle Tennessee.				S2	G2G3
Maccaffertium sinclairi	(Lewis, 1979)		A Mayfly		
Small, cool, high quality, soft-water streams in slow to moderate current; Sequatchie Valley; also recorded from Blount Co., GSMNP.				S2	G2G3
Paraleptophlebia kirchneri	Kondratieff and Durfee, 1994		A Mayfly		
Probably restricted to small, cool streams; reported from Williamson & Trousdale counties.				S1	G1G3
Plauditus veteris	(McDunnough, 1924)		A Mayfly		
Probably found in small, cold streams; reported from Overton County.				S2	G3G4

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
LEPIDOPTERA (BUTTERFLIES & MOTHS)					
Amblyscirtes belli Open riparian areas in moist, rich woodlands; may visit home gardens; hosts include Indian wood-oats (Chasmanthium latifolium).	Freeman, 1941		Bell's Roadside Skipper	S2S3	G3G4
Amblyscirtes linda Found near woodland streams with Chasmanthium latifolia; west Tennessee; reported from Madison County.	H. A. Freeman, 1943		Linda's Roadside-skipper	S2	G2G3
Amblyscirtes reversa Found in swampy or wet woods near slow streams with cane undergrowth; SE TN; reported from Hamilton County.	Jones, 1973		Reversed Roadside-Skipper	S2	G3G4
Autochton cellus Damp wooded ravines along streams or other wet areas; may be observed nectaring along sunny slopes; host is hog peanut. 	(Boisduval and Leconte, 1837)		Golden-banded Skipper	S3	G4
Callophrys irus Open roadsides, woodland edges, scrub or brushy fields w/ yellow wild indigo (Baptisia tinctoria) or other poss. Fabaceae hosts.	(Godart, [1824])		Frosted Elfin	S1?	G3
Celastrina nigra Moist deciduous forests, esp. shaded northern slopes, where its host, Aruncus dioicus (goat's beard), occurs; S. Apps & N. Cumb.	(Edwards, 1884)		Dusky Azure	S2	G4
Erora laeta Beech or beech-oak-hazelnut forests, mostly in canopy; may visit unpaved roads/trails; hosts incl. beech and hazelnut; S. Appalach.	(Edwards, 1862)		Early Hairstreak	S2	GU
Euchloe olympia Inhabits open woods, shale barrens, & very dry meadows; reported from far NE TN.	(W.H. Edwards, 1871)		Olympia Marble	S2	G4G5
Mesapamea trigona Stands of giant cane, typically in riparian or other forested bottomland habitats; range uncertain; reported from Smith Co.	(J.B. Smith, 1902)		A Noctuid Moth	SH	GU
Phyciodes batesii Dry rocky ridges or hillsides, glades, open woods; east TN; may be extirpated from state.	(Reakirt, 1865)		Tawny Crescent	S1S2	G4
Speyeria diana Fields, edges, and openings in moist, rich, forested mountains and valleys; Blue Ridge & Cumberland Plateau generally.	(Cramer, 1777)	BR, CU	Diana Fritillary	S3	G3G4

ODONATA (DRAGONFLIES & DAMSELFLIES)

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
ODONATA (DRAGONFLIES & DAMSELFLIES)					
Gomphus consanguis Small, spring-fed streams w/sand, gravel & fine detritus substrate in partly shaded to open areas; Ridge & Valley.	(Selys, 1879)	RV, CM		S1	G2G3
Gomphus sandrius Slow streams with bare bedrock shores; Central Basin; upper Duck River and middle Cumberland River watersheds.	Tennesen, 1983	CB		S1	G1
Macromia margarita Typically small mountain streams, usually rocky but with silt deposits; reported from Campbell & Blount counties.	Westfall, 1947	BR		S2S3	G3
Ophiogomphus acuminatus Clear, mostly shaded streams with at least pockets of sandy gravel; Western Highland Rim & Western Uplands.	Carle, 1981	WR, WU		S2	G3
Ophiogomphus alleghaniensis Riffle areas of spring-fed streams; Cumberland Plateau, Ridge & Valley, & Blue Ridge; not watershed specific.	Carle, 1982	RV, BR, CU		S1	G3T2T3
Ophiogomphus edmundo Clear, moderately flowing mountain streams and rivers; reported from Conasauga River watershed; Cherokee National Forest.	Needham, 1851	BR		S1	G1G2
Ophiogomphus howei Clear rivers with strong current over coarse cobbles and with periodic rapids; possible in Southern Appalachians.	Bromley, 1924			S3?	G3
Stylurus notatus Clear rivers with moderate current and gravel or sandy benthos; probable northern middle Tennessee.	(Rambur, 1842)			S2	G3
Stylurus townesi Sand-bottomed forest streams and rivers; adults forage on streamside trees. Tennessee range uncertain. 	Gloyd, 1936			S3?	G3
ORTHOPTERA (GRASSHOPPERS & CRICKETS)					
Hadenoecus jonesi Terrestrial cave associate; reported from a handful of caves in S Cumberlands; Franklin & Marion counties.	Hubbell, 1978			S2	GNR
Leptysma marginicollis Wetlands with emergent vegetation, esp. cattails; may exist as disjunct population in Barrens of Warren & Coffee counties.	(Serville, 1838)			S2	G5

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
PLECOPTERA (STONEFLIES)					
Allocapnia brooksi	Ross, 1964			Sevier Snowfly	
Small-medium size creeks; northern Ridge & Valley and adj. Blue Ridge; upper Tennessee River watershed.	RV, BR			S2	G2
Allocapnia cunninghami	Ross and Ricker, 1971			Karst Snowfly	
Small-medium size creeks; northern Highland Rim; Barren River watershed.	WR			S1	G1G2
Allocapnia fumosa	Ross, 1964			Smokies Snowfly	
Benthic; high-elevation springs in GSMNP; Sevier County; S Blue Ridge Mountains.				S2	G2
Allocapnia perplexa	Ross and Ricker, 1971			Perplexing Snowfly	
Low-mod gradient streams with limestone bedrock & interspersed rubble; E Fk Bledsoe Creek, Cumberland R watershed; Sumner Co.	CB			S1	G1
Allocapnia sequatchie	Kondratieff and Kirchner, 2000			A Stonefly	
Found in Sequatchie River & larger tributaries; Sequatchie Valley.				S2?	G3G4
Allocapnia unzickeri	Ross and Yamamoto, 1966			Cumberland Snowfly	
Eastern edge of the Cumberland Plateau and immediate adjacent regions; in small, rapid, gravelly or rocky streams.				S2S3	G3
Amphinemura mockfordi	(Ricker, 1952)			Tennessee Forestfly	
Benthic; reported from streams near Monteagle, Grundy County; S Cumberland Plateau.				S2	G2
Beloneuria georgiana	(Banks, 1914)			Georgia Stone	
High elevation spring-fed brooks; reported from Great Smoky Mtns National Park.				S1	G2
Hydroperla rickeri	(Stark, 1984)			Tennessee Springfly	
Small to mid-sized streams; northern Central Basin; Cumberland River watershed; Trousdale County.				S2	G2
Leuctra monticola	Hanson, 1941			Mountain Needlefly	
Benthic; reported from fewer than 5 streams in GSMNP; S Blue Ridge Mountains; also from far NE Alabama near TN line.				S1	G1Q
Leuctra nephophila	Hanson, 1941			Clouded Needlefly	
Benthic; high-elevation seeps and springs in GSMNP; S Blue Ridge Mountains.				S2	G3
Megaleuctra williamsae	Hanson, 1941			Smokies Needlefly	
Higher elevation springs, seeps, and creeks in portions of Great Smoky Mountains Natl Park.				S1S2	G2

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
PLECOPTERA (STONEFLIES)					
Neoperla coosa	Smith and Stark, 1998			Coosa Stone	
Benthic; distribution unclear, but includes protected lands in Blount, Hardin, Morgan, and Rutherford counties.				S2	G2
Oconoperla innubila	(Needham and Claassen, 1925)			Hairy Springfly	
Benthic; high-elevation seeps and springs in GSMNP; Sevier County; S Blue Ridge Mountains.				S2	G2
Perlesta adena	Stark, 1989			Adena Stone	
Streams or small rivers of the Barren, Cumberland, and Harpeth river watersheds; Sumner, Trousdale, & Williamson counties.				S2?	G3G4
Perlesta etnieri	Kondratieff and Kirchner, 2002			A Stonefly	
Streams or small rivers of the Duck and Harpeth river watersheds; Central Basin; Maury & Williamson counties.				S1S2	G1G2
Perlesta frisoni	Banks, 1948			Blueridge Stone	
Generally restricted to higher elevation pristine streams; S Apps & Cumb Plateau; reported from Blount, Cocke, & Cumberland cos.				S2?	G3
Perlesta lagoi	Stark, 1989			Gulf Stone	
Streams or small rivers of the Sequatchie & Obed river watersheds; Cumberland and Bledsoe counties.				S2?	G2
Soyedina alexandria	Grubbs, 2006			A Stonefly	
Benthic; tributaries of the Harpeth & Cumberland rivers; Cheatham, Williamson, & Sumner counties.				S1S2	G1G2
Zapada chila	(Ricker, 1952)			Smokies Forestfly	
Unpolluted springs/spring brooks & high elevation headwaters; GSMNP; known from a short stretch of one stream near Newfound Gap.				S1	G2
TRICHOPTERA (CADDISFLIES)					
Agapetus diacanthus	Edwards, 1956			A Caddisfly	
Springs of the southern Cumberland escarpment; reported from Franklin, Marion, & Sequatchie counties; possibly endemic.				S1S2	G1G2
Agapetus spinosus	Etnier and Way, 1973			A Caddisfly	
Spotty distribution from streams of the Cumberland Plateau including Cumberland, Franklin, Scott, and Sequatchie counties.				S2	G2
Agarodes stannardi	(Ross, 1962)			Stannard's Agarodes Caddisfly	
Larvae reported from cool, sandy springs/streams; records include two streams in Hardin County, Tennessee River watershed.				S2S3	G2G3

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
TRICHOPTERA (CADDISFLIES)					
Brachycentrus etawahensis	Wallace, 1971			A Caddisfly	
Benthic; a riverine species reported from Polk & Loudon counties; Ridge & Valley; lower Hiwassee but poss. extirp. from Little TN R.				S2	G3
Cheumatopsyche helma	Ross, 1939		Helma's Net-spinning Caddisfly		
Streams of montane origin; east Tennessee; Tennessee River watershed.	BR			S1S3	G3
Glyphopsyche sequatchie	Etnier and Hix, 1999		Sequatchie Caddisfly		
Spring runs emerging from caves; lower Sequatchie River & Battle Creek watersheds; Marion County.	SV		C	S1	G1
Homoptera flinti	Weaver, 1985		A Caddisfly		
Benthic; reported from streams in the mid- and S Cumberlands; Franklin & White counties.				S2	G2
Hydropsyche bassi	Flint, Voshell and Parker, 1979		A Caddisfly		
Benthic; reported from two streams in Knox & Meigs counties; Ridge & Valley. 				S2	G2
Hydropsyche etnieri			Buffalo Springs Caddisfly		
Spring-fed creeks; northern Ridge & Valley; upper Tennessee River watershed.				S2	G2
Hydropsyche rotosa	Ross, 1947		A Caddisfly		
Benthic; uses vertical limestone ledges of small-medium creeks; northern Ridge & Valley.				S2	G2G3
Hydroptila chattanooga	Frazer and Harris, 1991		A Caddisfly		
Benthic; reported solely from one stream in GSMNP; S Blue Ridge Mountains.				S2	G2
Hydroptila decia	Etnier and Way, 1973		Knoxville Hydroptilan Micro Caddisfly		
Small, clear, spring-fed streams with lush growths of watercress; W Knox County; TN River watershed; also one county in VA.				S1S2	G2
Hydroptila mcgregori	Harris and Huryn, 2000		A Caddisfly		
Benthic; reported from a single spring in Knox County; Ridge & Valley.				S2	G2G3
Hydroptila oneili	Harris, 1985		A Caddisfly		
Benthic; reported from one creek in Polk County; S Blue Ridge Mountains.				S2	G2G3
Hydroptila paramoena	Harris, 1985		A Caddisfly		
Benthic; reported from streams in Polk County (S Appalachians) and Cumberland, Morgan, & Scott counties (N Cumberlands).				S2	G2G3

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
TRICHOPTERA (CADDISFLIES)					
Hydroptila patriciae		Harris, 1985		A Caddisfly	
Inhabits springs/spring-fed creeks in S Cumberlands; known from one large spring in Marion County.				S1	G1
Lepidostoma compressum		Etnier and Way, 1973		A Caddisfly	
High quality streams of the northern Cumberlands; reported from Cumberland, Morgan, & Rhea counties.				S1S2	G1G2
Lepidostoma etnieri		Weaver, 1988		A Caddisfly	
Reported from creeks in Grainger, Roane, and Knox counties; Ridge & Valley.				S1S2	G1G2Q
Lepidostoma excavatum		Flint and Wiggins, 1961		A Caddisfly	
Reported from high quality montane streams of Blue Ridge Mountains; Great Smoky Mountains NP.				S2	G2G3
Lepidostoma lobatum		Wallace and Sherberger, 1972		A Caddisfly	
Reported from high quality streams of the Blue Ridge Mountains; Great Smoky Mtns SP; Sevier County.				S2	G2
Lepidostoma stylifer		Flint and Wiggins, 1961		A Caddisfly	
Reported from high quality streams of the Blue Ridge Mountains; Great Smoky Mtns SP.				S2	G2G3
Manophylax butleri		Schuster, 1997		A Caddisfly	
Pseudo-terrestrial larvae reported from damp vertical rock faces of the northern Cumberlands; Big South Fork watershed; Scott County.				S2	G2
Neophylax kolodskii		Parker, 2000		A Caddisfly	
High-quality streams of Great Smoky Mts National Park; may be endemic to Tennessee.				S1	G1
Neophylax securis		Vineyard and Wiggins, 1987		A Caddisfly	
Occurs in small headwater streams of Cumberland Plateau; reported from Marion & White counties.				S1S2	G1G2
Ochrotrichia elongiralla		Harris, 1986		A Caddisfly	
Benthic, stream dweller; reported from a single creek in Knox County; Ridge & Valley.				S1	G1G2
Pseudogoera singularis		Carpenter, 1933		A Caddisfly	
Benthic; found in seepage areas in Blount, Cocke, & Sevier counties; S Blue Ridge Mountains.				S2	G2G3
Rhyacophila amicis		Ross, 1956		A Caddisfly	
High-quality streams of the S Appalachians; reported from Blount, Monroe, & Sevier counties.				S2	G2

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
TRICHOPTERA (CADDISFLIES)					
Wormaldia mohri Benthic; reported from streams in Greene & Sevier counties; S Blue Ridge Mountains.	(Ross, 1948)			A Caddisfly S2	G2G3
Wormaldia thyria Streams of the northern Cumberlands; reported from Fentress & Cumberland cos.; also possibly coll. in Sevier County (S Appal.).	Denning, 1950			A Caddisfly S2	G3
Molluscs					
BIVALVIA (MUSSELS)					
Alasmidonta atropurpurea Small creeks to medium-sized rivers with slow current, sand substrates, and large cobble; upper Cumberland River watershed.	(Rafinesque, 1831)	ER, CU	E	Cumberland Elktoe LE S1S2	G1G2
Alasmidonta raveneliana Large creeks/small rivers with stable coarse sand and gravel substrates with cobble & boulders; upper Tennessee River watershed.	(I. Lea, 1834)	BR	E	Appalachian Elktoe LE S1	G1
Cumberlandia monodonta Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.	(Say, 1829)	WR, CB, RV, WU, SV		Spectaclecase C S2S3	G3
Cyprogenia stegaria Medium to large streams and rivers with coarse sand and gravel substrates; Cumberland and Tennessee river systems.	(Rafinesque, 1820)	CB, RV, WU	E	Fanshell LE S1	G1Q
Dromus dromas Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.	(I. Lea, 1834)	ER, CB, RV, SV	E	Dromedary Pearlymussel LE S1	G1
Elliptio arca Shallow riffles or slow-moving water with substrates of fine gravel, sand, & silt; Conasauga River; Polk & Bradley cos.; Ridge & Valley.	(Conrad, 1834)			Alabama Spike S2	G2G3Q
Elliptio arctata In substrates of coarse sand, gravel, and cobble; prefers strong current; Conasauga River; Polk & Bradley counties; Ridge & Valley.	(Conrad, 1834)			Delicate Spike S2	G2G3Q
Epioblasma brevidens Large creeks to large rivers, in coarse sand or mixtures of gravel, cobble, or rocks; Tennessee & Cumberland river systems.	(I. Lea, 1831)	CB, RV, CU	E	Cumberlandian Combshell LE S1	G1

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
BIVALVIA (MUSSELS)					
Epioblasma capsaeformis	(I. Lea, 1834)				Oyster Mussel
Shallow riffles in mod-swift current of small-medium rivers with coarse sand and gravel; Tennessee & Cumberland river systems.	CB, RV	E	LE	S1	G1
Epioblasma florentina walkeri	(Wilson and H.W. Clark, 1914)				Tan Riffleshell
Found in river headwaters, in riffles and shoals in sand and gravel substrates; Tennessee & Cumberland river systems.	CB, RV, BR, CU	E	LE	S1	G1T1
Epioblasma metastrata	(Conrad, 1838)				Upland Combshell
Sand & gravel substrates in riffle sections of small-medium size rivers; Conasauga River; Polk County.	RV	E	LE	SH	GH
Epioblasma obliquata obliquata	(Rafinesque, 1820)				Catspaw
Medium-large rivers, in sand and gravel substrates in runs and riffles; Tennessee & Cumberland river systems.	CB	E	LE	S1	G1T1
Epioblasma othcaloogensis	(I. Lea, 1857)				Southern Acornshell
Medium size rivers with moderate current and fine gravel substrates; Consasauga River; Polk County.		E	LE	SH	GHQ
Epioblasma triquetra	(Rafinesque, 1820)				Snuffbox
Riffles of medium-large rivers with stony or sandy bottoms, in swift currents, usually deeply buried; Tennessee & Cumb. river systems.	CB, RV			S3	G3
Fusconaia cor	(Conrad, 1834)				Shiny Pigtoe
Shoals and riffles of small-medium sized rivers with mod-fast current over sand-cobble substrates; upper Tennessee River watershed.	CB, RV	E	LE	S1	G1
Fusconaia cuneolus	(I. Lea, 1840)				Finerayed Pigtoe
Riffles of fords and shoals of mod gradient streams in firm cobble and gravel substrates; middle & upper Tennessee River watershed.	CB, RV, CU	E	LE	S1	G1
Hamiota altilis	(Conrad, 1834)				Finelined Pocketbook
Creeks/small rivers with substrates of sand, mud, & gravel, & mod current; Conasauga River & Coahulla Ck; Polk & Bradley counties.	RV, BR	T	LT	S1S2	G2
Hemistena lata	(Rafinesque, 1820)				Cracking Pearlymussel
Medium-sized rivers of mod current, deeply buried in mud, sand, gravel, and cobble substrates; Tennessee & Cumb. river systems.	WR, CB, RV, WU	E	LE	S1	G1
Lampsilis abrupta	(Say, 1831)				Pink Mucket
Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	WR, ER, CB, RV, WU, SV	E	LE	S2	G2

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
BIVALVIA (MUSSELS)					
Lampsilis ornata Creeks/small rivers with substrates of sand, mud, & gravel, & mod current; Conasauga River; Polk & Bradley cos.; Ridge & Valley.				S2S3	G5
(Conrad, 1835)					Southern Pocketbook
Lampsilis siliquoidea Slackwater with mud subst; Wolf R (Miss R trib); west TN; may occur at Reelfoot Lk; also rept Drakes Ck (Cumb R), Sumner Co.	CP			S2	G5
(Barnes, 1823)					Fatmucket
Lampsilis virescens Found in sand and gravel substrates in shoal areas of small-medium size rivers; middle and upper TN R system; poss extirpated in TN.	RV, CU	E	LE	S1	G1
(I. Lea, 1858)					Alabama Lampmussel
Lasmigona holstonia Spring runs, creeks, & small rivers, in subst of sand & mud; upper Tenn & Conasauga river watersheds; Blue Ridge & Ridge & Valley.				S2	G3
(I. Lea, 1838)					Tennessee Heelsplitter
Lasmigona sp. 1 cf. holstonia Streams of Barrens Plateau, in soft sediments near bank or in bank below waterline; upper Duck & Caney Fk R; E Highland Rim.				S1	GNR
					Barrens Toesplitter
Lasmigona subviridis Quiet waters; smaller streams in pools and eddies with gravelly and sandy bottoms; Watauga River upst of Watauga Lake; Blue Ridge.				S2	G3
(Conrad, 1835)					Green Floater
Lemiox rimosus Small-medium size rivers in riffle areas with sand and gravel substrates in mod-fast currents; Tennessee River system.	WR, CB, RV	E	LE	S1	G1
(Rafinesque, 1831)					Birdwing Pearlymussel
Lexingtonia dolabelloides Lg creeks to mod sized rivers, in riffles/shoals of sand, fine gravel, and cobble substrates with mod current; Tennessee R watershed.	WR, ER, CB, RV, BR		C	S2	G2
(I. Lea, 1840)					Slabside Pearlymussel
Medionidus acutissimus Small-large rivers in gravel & cobble shoals in shallow water with mod strong current; Conasauga River; Polk County.	RV	T	LT	S1	G2
(I. Lea, 1831)					Alabama Moccasinshell
Medionidus parvulus Highly oxygenated streams & small rivers with moderate to strong flow, in sand and gravel; Conasauga River, Polk County.	RV, BR	E	LE	S1	G1Q
(I. Lea, 1860)					Coosa Moccasinshell
Obovaria jacksoniana Rivers with medium-sized gravel substrates and low-mod current; Wolf & Hatchie rivers; Mississippi River watershed; west Tennessee.	CP			S1	G2
(Frierson, 1912)					Southern Hickorynut

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
BIVALVIA (MUSSELS)					
Obovaria olivaria	(Rafinesque, 1820)				Hickorynut
Uses sand or gravel substrates in deep water, lower Cumb & TN R; extremely rare; may be extirp from TN R; lake sturgeon is host sp.				S2?	G4
Obovaria retusa	(Lamarck, 1819)				Ring Pink
Large rivers in gravel and sand bars; Tennessee & Cumberland river watersheds; many historic locations currently inundated.	WR, CB, RV, WU	E	LE	S1	G1
Obovaria subrotunda	(Rafinesque, 1820)				Round Hickorynut
Medium-large rivers in sand and gravel subst with moderate flow; TN & Cumb rivers; also Red River in Robertson Co., W Highland Rim.	CB, RV			S2S3	G4
Pegias fabula	(I. Lea, 1838)				Littlewing Pearlymussel
Cool, clear, high-gradient streams in sand, gravel, and cobble substrates, riffles; portions of Cumberland & upper Tenn. river systems.	WR, ER, CB, RV, CU	E	LE	S1	G1
Plethobasus cicatricosus	(Say, 1829)				White Wartyback
Presumed to inhabit shoals and riffles in large rivers; Tennessee & Cumberland river systems. Very rare & poss extirpated in TN.	CB, RV, WU	E	LE	S1	G1
Plethobasus cooperianus	(I. Lea, 1834)				Orangefoot Pimpleback
Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.	WR, CB, RV, WU	E	LE	S1	G1
Plethobasus cyphus	(Rafinesque, 1820)				Sheepnose
Large to medium-sized rivers, in riffles and coarse sand/gravel subst; TN & Cumb river systems incl KY Reservoir; W Uplands & Rim.	RV		C	S2S3	G3
Pleurobema chattanoogaense	(I. Lea, 1858)				Painted Clubshell
Inhabits riffle areas with substrates of coarse sand and gravel; Conasauga River; Bradley & Polk counties.	BR			S1?	G1Q
Pleurobema clava	(Lamarck, 1819)				Clubshell
Small/med-sized rivers and streams; deeply buried in sand/fine gravel or in clean, coarse sand/gravel runs; lower Cumb. & Tenn. rivers.	WR, CB, WU	E	LE	SH	G2
Pleurobema georgianum	(I. Lea, 1841)				Southern Pigtoe
High quality small rivers & large streams; shoals and runs with stable sandy-gravel substrates; Conasauga River; Polk & Bradley cos.	RV, BR	E	LE	S1	G1
Pleurobema gibberum	(I. Lea, 1838)				Cumberland Pigtoe
Shallow areas in small-medium rivers in riffles with sand and gravel substrates; tribs of Cumberland River & poss TN R, middle Tenn.	ER, CU	E	LE	S1	G1

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
BIVALVIA (MUSSELS)					
Pleurobema hanleyianum Medium sized rivers with good current and coarse sand/gravel substrates; Conasauga River; Bradley & Polk counties.	(I. Lea, 1852)	BR	C	S1	G1
Georgia Pigtoe					
Pleurobema johannis Medium sized rivers with good current and coarse sand/gravel substrates; Conasauga River; Polk County.	(I. Lea, 1859)			SX	GX
Alabama Pigtoe					
Pleurobema oviforme Small, shallow streams & rivers with good current & coarse gravel/sand substrates; Tennessee & Cumberland river systems.	(Conrad, 1834)	WR, ER, CB, RV, BR, CU		S2S3	G2G3
Tennessee Clubshell					
Pleurobema perovatum Sand/gravel shoals and runs of small rivers and large streams with moderate current; Conasauga River; Polk County.	(Conrad, 1834)	RV	E	LE	SH
Ovate Clubshell					
Pleurobema plenum Medium to large rivers in sand, gravel, and cobble substrates of shoals; Tennessee & Cumberland river systems.	(I. Lea, 1840)	WR, CB, RV, WU	E	LE	S1
Rough Pigtoe					
Pleurobema rubrum Rivers with strong current and firm sand/gravel substrates; TN & Cumb river systems incl KY Reservoir; W Uplands & W Highland Rim.	(Rafinesque, 1820)	CB, RV		S1S2	G2G3
Pyramid Pigtoe					
Pleurobema troschelianum Medium sized rivers with good current and coarse sand/gravel substrates; Conasauga River; Bradley & Polk counties.	(I. Lea, 1852)	RV		S1	G1Q
Alabama Clubshell					
Ptychobranhus greenii Medium sized rivers with good current and coarse sand/gravel substrates; Conasauga River; Bradley & Polk counties.	(Conrad, 1834)	RV, BR	E	LE	S1
Triangular Kidneyshell					
Ptychobranhus subtentum Small-medium rivers in swift current or riffles, in sand, gravel, and cobble substrates; Tennessee & Cumberland river systems.	(Say, 1825)	ER, CB, RV		C	S2
Fluted Kidneyshell					
Quadrula cylindrica cylindrica Large rivers in sand and gravel; Tennessee & Cumberland systems; big river form of Q. cylindrica.	(Say, 1817)	WR, CB, RV, WU		S3	G3G4T3
Rabbitsfoot					
Quadrula cylindrica strigillata Small-medium sized rivers, in clear, shallow riffles with sand-gravel substrates; Tenn. & Cumb. river systems; upland form.	(Wright, 1898)	RV	E	LE	S2
Rough Rabbitsfoot					

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
BIVALVIA (MUSSELS)					
Quadrula fragosa Medium-large size rivers, in riffles with mud, sand, and gravel; lower Tenn & Cumb river systems; Central Basin, W Uplands & W Rim.	(Conrad, 1835)			Winged Mapleleaf	
		E	LE	S1	G1
Quadrula intermedia Shallow riffle and shoal areas of headwater streams and bigger rivers, in coarse sand/gravel substrates; Tennessee River system.	(Conrad, 1836)	CB, RV	E	LE	Cumberland Monkeyface
				S1	G1
Quadrula sparsa Headwater sections of rivers in shallow riffles/runs with sand-gravel substrate & moderate current; upper Tennessee River drainage.	(I. Lea, 1841)	CB, RV	E	LE	Appalachian Monkeyface
				S1	G1
Simpsonaias ambigua In sand or silt under large, flat stones in areas of swift current; occurred historically in E Fk Stones R; 2005 obs in lower Duck R.	(Say, 1825)	WR, CB			Salamander Mussel
				S1	G3
Strophitus connasaugaensis Small-medium sized rivers, in shallow areas with current and substrates of of fine gravel, sand, & silt; Conasauga River; Polk County.	(I. Lea, 1858)	RV, BR			Alabama Creekmussel
				S1	G3
Toxolasma cylindrellus Small tributary rivers & streams, in firm rubble, gravel, and sand substrates in shallow riffles and shoals; lower Tenn. River system.	(I. Lea, 1868)	WR, ER, CB, SV, CU	E	LE	Pale Lilliput
				S1	G1
Toxolasma lividus Small-medium sized rivers & lg creeks, in mud, sand, & gravel substrates; Tenn. & Cumberland river systems in headwater areas.	(Rafinesque, 1831)	ER, CB, CU			Purple Lilliput
				S1S2	G2
Uniomerus declivis Typically found buried in a substrate of fine sand and mud in shallow sloughs and ditches; reported only from Hatchie R system.	(Say, 1831)	CP			Tapered Pondhorn
				S2	G5Q
Villosa fabalis Riffles of medium-small rivers & creeks, in gravel & sand substrates associated with <i>Justicia americana</i> ; Tennessee River watershed.	(I. Lea, 1831)	CB, RV		C	Rayed Bean
				S1	G2
Villosa nebulosa Creeks-medium size rivers in sand/gravel riffles in mod current; assoc. with <i>Justicia americana</i> ; Conasauga R system; Ridge & Valley.	(Conrad, 1834)				Alabama Rainbow
				S2	G3
Villosa perpurpurea Creeks to medium-sized rivers, headwaters, in riffles with coarse sand & gravel & some silt; upper Tennessee River watershed.	(I. Lea, 1861)	RV, CU	E	LE	Purple Bean
				S1	G1

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
BIVALVIA (MUSSELS)					
Villosa trabalis Riffle areas of small rivers & streams in sand, gravel, & cobble substrates with swift current; upper Cumb. & upper Tenn. river systems.	(Conrad, 1834)	ER, CB, RV, BR, CU	E	LE	Cumberland Bean S1 G1
Villosa vanuxemensis umbrans Riffles of headwater creeks/small rivers in gravel/sand subst.; often assoc. with <i>Justicia amer.</i> ; Conasauga R drainage; Ridge & Valley.	(I. Lea, 1857)				Coosa Creekshell S2 G4T2
Villosa vibex Mud or soft sand in small rivers & creeks in areas with moderate current; Conasauga, Hatchie, and Wolf (Miss. R.) river systems.	(Conrad, 1834)	RV, CP			Southern Rainbow S2 G5Q
GASTROPODA (AQUATIC SNAILS)					
Athearnia anthonyi Larger rivers and downstream stretches of lg creeks, on cobble/boulder substrates adj. riffles; portions of upper TN River basin.	(Redfield, 1854)	RV, SV, CU	E	LE, XN	Anthony Riversnail S1 G1
Elimia acuta Bedrock and slabs in moderate to fast current; tributaries of lower Tennessee River; southern Tennessee.	(I. Lea, 1831)				Acute Elimia S1 G2
Elimia arachnoidea Small streams of the Ridge & Valley; east Tennessee; reported from Knox & Monroe counties; Tennessee River basin.	(Anthony, 1854)				Spider Elimia S2 G2
Elimia aterina In gravel/cobble of springs & small shallow streams of upper Tennessee River system; Claiborne & Hancock counties.	(I. Lea, 1863)				Coal Elimia S1 G2
Elimia christyi Found in the Hiwassee River and tributaries; southeast Tennessee.	(Lea, 1862)	BR			A Freshwater Snail S2 G2
Elimia interrupta Limited distribution in streams of Nashville basin, Cumberland River watershed.	(Haldeman, 1840)				Knotty Elimia S1 G1
Elimia interveniens Restricted to tributaries of the lower Tennessee River in northern Alabama and also reported from Shoal Creek, Lawrence County, TN.	(I. Lea, 1862)				Slowwater Elimia S1 G2
Elimia porrecta Springs and streams of Claiborne County & NW Ridge & Valley; Tennessee River watershed.	(I. Lea, 1863)				Nymph Elimia S2 G2

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
GASTROPODA (AQUATIC SNAILS)					
Elimia striatula	(I. Lea, 1842)			File Elimia	
Reported from springs in Monroe County & a reservoir in Bradley County; Tennessee River watershed; distribution unclear.				S2	G2
Elimia strigosa	(I. Lea, 1841)			Brook Elimia	
Streams of the Clinch and Powell River basins, northern Ridge & Valley; may be synonymous with E. porrecta.				S2	G2
Elimia teres	(I. Lea, 1841)			Elegant Elimia	
Small streams of Walden Ridge, flowing eastward; Ridge & Valley; Tennessee River watershed; may be synonymous with E. strigosa.				S1	G1
Elimia troostiana	(I. Lea, 1838)			Mossy Elimia	
Tributaries of the Tennessee River, Jefferson & Knox counties; Ridge & Valley; may be synonymous with E. arachnoidea.				S1	G1
Io fluvialis	(Say, 1825)			Spiny Riversnail	
Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	RV, CU			S2	G2
Leptoxis umbilicata	(Wetherby, 1876)			Umbilicate Rocksnail	
Medium sized rivers & large creeks in portions of lower Cumb. and Tenn. river systems; Stones River; possibly a form or morph.	ER, CB			S1	G1Q
Leptoxis virgata	(I. Lea, 1841)			Smooth Mudalia	
Medium to large rivers, on shoals; portions of upper TN River and some larger tribs; Hiwassee River.	BR			S1	G2
Lithasia armigera	(Say, 1821)			Armored Rocksnail	
Partially buried logs, gravel, and preferably submerged rock outcrops; lower Cumberland River & larger tributaries; Obey River. 	ER, CB			S1S2	G3G4
Lithasia duttoniana	(I. Lea, 1841)			Helmet Rocksnail	
Rocky substrates in riffle systems; bedrock in flowing water below main section of riffles; Duck River (TN River system).	WR, ER, CB			S2	G2Q
Lithasia geniculata	Haldeman, 1840			Ornate Rocksnail	
Big river form of L. geniculata; lower Cumberland River & large tributaries to lower Tennessee River.	WR, ER, CB, RV, WU, CU			S2	G3Q
Lithasia geniculata fuliginosa	(Lea, 1841)			Geniculate River Snail	
Medium-sized river form of L. geniculata; portions of lower Cumberland and lower Tennessee river systems; Duck & Buffalo rivers.	WR, ER, CB			S2	G3T3Q

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
GASTROPODA (AQUATIC SNAILS)					
Lithasia geniculata pinguis Headwater form of <i>L. geniculata</i> , in small rivers and large streams, on gravel substrates; upper Duck & Caney Fork systems.	(Lea, 1852)	ER, CB	Small Genuiculate River Snail	S2	G3T3Q
Lithasia lima Rocky substrates in riffle systems; Elk River & larger tributaries (Tennessee River watershed).	(Conrad, 1834)	ER, CB	Warty Rocksnail	S2	G2Q
Lithasia salebrosa Formerly occurred in portions of lower Cumberland and lower Tennessee systems; may be limited to dam tailwaters currently.	(Conrad, 1834)	WR, CB, WU	Muddy Rocksnail	S2	G3G4Q
Lithasia spicula Shoals, algae covered rocks, & gravel in a short segment of the Harpeth River (Cumberland River trib); Davidson & Cheatham counties.	Minton, Savarese, and Campbell, 2005		Sharp-tongued Rocksnail	S1	G1Q
Lithasia verrucosa Rocky shoals/riffles in mod current @ depths to several feet; relict populations in some larger upper Tennessee River tributaries.	(Rafinesque, 1820)	WR, CB, RV, WU, SV, BR, CU	Varicose Rocksnail	S3	G4Q
Marstonia ogmorhapha Known from shallow littoral zone of two cave spring runs, on mixed substrate of mud, sand, & detritus; lower Seq. R.; Marion County.	(Thompson, 1977)	SV	Royal Springsnail	S1	G1
Pleurocera alveare Reported from lower Cumberland River and its larger tributaries.	(Conrad, 1834)		Rugged Hornsnail	S2	G3
Pleurocera corpulenta Extremely limited distribution in Tennessee River from Battle Creek at Ketchall (Kimball), Marion County, Tennessee, downstream.	Anthony, 1854		Corpulent Hornsnail	S1	G1
Pleurocera curta Upper Tennessee River & larger tributaries; east Tennessee; status uncertain.	(Haldeman, 1841)		Shortspire Hornsnail	S2	G2
Pleurocera gradata Reported from upper Holston River (Tennessee River watershed); Ridge & Valley; NE Tennessee.	(Anthony, 1854)		Bottle Hornsnail	S2?	G3
Pleurocera nobilis Reported from lower Sequatchie River and Little Sequatchie River (Tennessee R system); Marion County.	(I. Lea, 1845)		Noble Hornsnail	S1	G2
Pleurocera trochiformis Reported from lower Tennessee River watershed, including Duck & Elk rivers & Shoal Creek; habitat poorly known.	(Conrad, 1834)		Sulcate Hornsnail	S2	G2

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
GASTROPODA (AQUATIC SNAILS)					
Pleurocera walkeri Reported from Sequatchie & Little Sequatchie rivers & some tributaries (Tennessee River watershed); Marion County.		Goodrich, 1928		Telescope Hornsnail S2	G3
Rhodacme elatior Moderate to fast current under slabs and boulders; Tennessee River watershed; distribution poorly known.		(Anthony, 1855)		Domed Ancyloid S1	G1
Rhodacme hinkleyi Tennessee River watershed; habitat & distribution poorly known.		(Walker, 1908)		Knobby Ancyloid S2S3	G2G3
Somatogyrus aureus Reported from Tennessee River system; habitat and distribution poorly understood; one contemporary record in Marion Co.	CU	Tryon, 1865		Golden Pebblesnail S1	GH
Somatogyrus parvulus Upper Tennessee River system; probably on rocks in fast moving water; reported from Powell & Holston rivers historically.		Tryon, 1865		Sparrow Pebblesnail S1?	G1G2Q
Somatogyrus sp. 2 Known from the dewatered section of the Hiwassee River upstream of the Appalachia Powerhouse; on rocks in free-flowing water.	BR			Hiwassee Pebblesnail S1	G1
Somatogyrus tennesseensis Known only from Shoal Creek (Tennessee River tributary); Tennessee report may be erroneous; species may be extirpated.		Walker, 1906		Opaque Pebblesnail S1	G1
GASTROPODA (LAND SNAILS)					
Anguispira alabama A calciphile; limestone outcrops and cliff faces of karstic woods; southern Cumberlands.	ER, SV	(G.H. Clapp, 1920)		Alabama Tigersnail S2	G2
Anguispira jessica Higher elevations in the southern Appalachians, arboreal; also inhabits rotting wood; Roan Mountain & Mt. Le Conte.	RV, BR	Kutchka, 1938		Mountain Disc S3	G3G4
Anguispira knoxensis Rich woods of the Blue Ridge Mountains and adj. Ridge & Valley; Blount, Knox, & Monroe counties.		(Pilsbry, 1899)		Rustic Tigersnail S1S2	G1G2
Anguispira kochi Rotting leaves & decaying logs in rich woods; river bluffs; northwest Tennessee.		(Pfeiffer, 1821)		Banded Tigersnail S2?	G5

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GASTROPODA (LAND SNAILS)					
Anguispira picta	(G.H. Clapp, 1920)				Painted Tigersnail
A calciphile; limestone outcrops and cliff faces of karstic woods; S Cumberlands; Sherwood community of upper Crow Creek valley.	CU	E	LT	S1	G1
Carychium stygium	Call, 1897				Cave Thorn
Cave obligate; feeds on cricket guano; Highland Rim & escarpment of Cumberland Plateau.	WR, ER, CU			S2	G3
Daedalochila auriformis	(Bland, 1859)				Rockpile Liptooth
Wet, grassy habitats, generally in full sun; barrens & remnant prairies; Coffee & Warren counties; disjunct from central Alabama.	ER			S1	G4
Discus bryanti	(Harper, 1881)				Sawtooth Disc
Leaf litter in rocky upland woods, under rotting logs; northeast Tennessee; Blue Ridge.	BR			S1S2	G3
Discus clappi	(Pilsbry, 1924)				Channelled Disc
A calciphile; leaf litter on rocky wooded hillsides & karst woods; southern Cumberlands; Franklin County.	ER			S1	G1
Euchemotrema fraternum montanum	(Archer, 1939)				A Terrestrial Snail
On logs, in leaf litter, or under stones on mountainsides & in ravines; oak-hickory forests of the S Blue Ridge; far southeast Tenn.	BR			S2	G5T2
Fumonelix archeri	(Pilsbry, 1940)				Ocoee Covert
In leaf litter or under rock ledges; rich woods north and south of Ocoee River, Cherokee National Forest, Polk County.	BR			S1	G1
Fumonelix christyi	(Bland, 1860)				Glossy Covert
Leaf litter in upland oak woods; central and southernmost Blue Ridge; southeast Tennessee.	BR			S2	G3
Fumonelix jonesiana	(Archer, 1938)				Big-tooth Covert
In leaf litter or talus of birch-beech woods at higher elevations; central Appalachians; Great Smoky Mountains National Park.	BR			S1	G1
Fumonelix wetherbyi	(Bland, 1873)				Clifty Covert
Under logs & moist leaf litter of wooded hillsides & ravines; northern Cumberlands, Cumberland Mountains & adj. Ridge & Valley.	ER			S2S3	G2G3
Fumonelix wheatleyi	(Bland, 1860)				Cinnamon Covert
Leaf litter, logs, talus in mixed woodlands, coves @ mid-upper elevations of Blue Ridge; Blount, Carter, Cocke, Monroe, & Sevier cos.	BR			S3	G4
Fumonelix wheatleyi clingmanicus					Clingman Covert
Mid-upper elevation forests under rocks, logs, leaf litter; Blue Ridge; Carter, Cocke, Sevier, Unicoi counties.				S2	G4T2T3

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GASTROPODA (LAND SNAILS)					
Glyphyalinia junaluskana	(Clench and Banks, 1932)			Dark Glyph	
Moist leaf litter in deciduous woods on mountainsides; southern Blue Ridge; Monroe County.				S2	G2
Glyphyalinia ocoae	Hubricht, 1978			Blue-gray Glyph	
Leaf litter on wooded hillsides & ravines; southernmost Blue Ridge; Polk County.	BR			S1	G1
Glyphyalinia pentadelphia	(Pilsbry, 1900)			Pink Glyph	
Pockets of moist leaves in rich upland woods; mid-elevations of Blue Ridge; southeast Tennessee.	BR			S2	G2G3
Glyphyalinia rimula	Hubricht, 1968			Tongued Glyph	
Moist leaf litter on wooded hillsides & ravines; sometimes a cave assoc.; karst areas of the E portion of northern middle Tennessee.				S2S3	G3
Haplotrema kendeighi	Webb, 1951			Blue-footed Lancetooth	
Leaf litter above 2,000 ft; S Blue Ridge; Blount, Sevier, and Monroe counties.				S2	G2
Helicodiscus aldrichianus	(G.H. Clapp, 1907)			Burrowing Coil	
A burrowing species found under stones, in chert rubble, or deep pockets of leaf litter; reported from Marion & Franklin counties.				S2S3	G3
Helicodiscus bonamicus	Hubricht, 1978			Spiral Coil	
Found in leaf litter on wooded hillsides; southern Blue Ridge mountains; SE Tennessee.				S1	G1
Helicodiscus fimbriatus	Wetherby, 1881			Fringed Coil	
In leaf litter or under rocks on wooded hillsides; southern Blue Ridge; southeast Tennessee.	BR			S3	G4
Helicodiscus hadenoecus	Hubricht, 1962			Cricket Coil	
Cave obligate; feeds on cricket guano; Eastern Highland Rim & Cumberland Plateau.	ER, CU			S3	G3
Helicodiscus hexodon	Hubricht, 1966			Toothy Coil	
In leaf litter of forested hillsides; escarpment to Walden Ridge from Sequatchie Valley; Cumberland Plateau; Bledsoe County.	CU			S1	G1
Helicodiscus notius specus	Hubricht, 1962			A Terrestrial Snail	
Cave obligate; feeds on cricket guano; Ridge & Valley and Eastern Highland Rim (tentatively).	ER, RV			S1?	G5T2
Helicodiscus punctatellus	Morrison, 1942			Punctate Coil	
Limestone talus deposits, Eastern Highland Rim; Jackson County; known from Pleistocene fossil specimens; may not be extant in TN.	ER			S1	G1

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
GASTROPODA (LAND SNAILS)					
Inflectarius ferrissi	(Pilsbry, 1897)			Smoky Mountain Covert	
Under rock ledges, rock piles, or logs at mid-elevations and higher; Blue Ridge; Great Smoky Mountains National Park.	BR			S2	G2
Inflectarius smithi	(G.H. Clapp, 1905)			Alabama Shagreen	
A calciphile; karst woods, hillsides, ravines; under logs and rocks; southern Cumberlands; Franklin County.	CU			S2	G2
Inflectarius subpalliatius	(Pilsbry, 1893)			Velvet Covert	
Leaf litter, rotting logs, talus in mixed woodland; may be arboreal; mid to upper elevations of Blue Ridge; Carter & Unicoi counties.	BR			S2	G2
Megapallifera wetherbyi	(W.G. Binney, 1874)			Blotchy Mantleslug	
Terrestrial; on rocks and trunks of smooth-barked trees; river bluffs and ravines; Cumberland Plateau.				S2	G2G3
Mesodon altivagus	(Pilsbry, 1900)			Wandering Globe	
Found on the ground in high-elevation spruce-fir forests; GSMNP; S Blue Ridge Mountains.				S2	G2G3
Mesodon andrewsae	W.G. Binney, 1879			Balsam Globe	
Found crawling on the ground at high elevations in S Appalachians; reported above 4500 ft in mixed forests of Roan Mountain.				S2S3	G3
Mesodon mitchellianus	(I. Lea, 1839)			Sealed Globelet	
Meadows, roadsides, floodplains; northern Ridge & Valley; reported from Knox County.				S2	G4
Mesodon sanus	(Clench and Archer, 1933)			Squat Globelet	
A calciphile; in leaf litter of karst woods, hillsides, ravines; southern Cumberlands; Franklin & Marion counties.	CU			S2S3	G3
Mesomphix rugeli	(W.G. Binney, 1879)			Wrinkled Button	
Under leaf litter on wooded hillsides; far NE Tennessee; S Blue Ridge.	BR			S3	G4
Oxyloma salleanum	(Pfeiffer, 1849)			Louisiana Ambersnail	
Uses low, wet habitats in marshes or pond margins; found crawling on mud or on emergent plants such as cattails; Mississippi River corridor; W Tennessee.				S2S3	G3
Pallifera hemphilli	(W.G. Binney, 1885)			Black Mantleslug	
Spruce-fir forests above 5,000 ft; S Blue Ridge; Carter, Cocke, & Sevier counties.				S2S3	G4
Paravitrea alethia	Hubricht, 1978			Goddess Supercoil	
In leaf litter of forested ravines; Ridge & Valley; reported from Roane County.				S1	G1

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
GASTROPODA (LAND SNAILS)					
Paravitrea andrewsae Moist leaf litter on forested mountainsides; northern Blue Ridge; Carter & Unicoi counties.	(W.G Binney, 1879)		High Mountain	Supercoil	
				S2	G2
Paravitrea calcicola A calciphile; under moist leaf litter of rocky karst woods, hillsides, ravines; near springs; Franklin & Marion counties.	H.B. Baker, 1931		Pearl	Supercoil	
				S1	G1
Paravitrea clappi In moist leaf litter generally above 5,000 ft; Blue Ridge; Blount & Sevier counties; Great Smoky Mountains NP.	(Pilsbry, 1898)	BR	Mirey Ridge	Supercoil	
				S2S3	G2G3
Paravitrea lamellidens Deep, moist leaf litter below boulder slopes, bluffs; boggy seeps; forested hillsides & ravines; central & southern Blue Ridge.	(Pilsbry, 1898)	BR	Lamellate	Supercoil	
				S2	G2
Paravitrea lapilla Under moist leaf litter on forested hillsides & ravines, bluffs; northern Central Basin.	Hubricht, 1965		Gem	Supercoil	
				S2	G2
Paravitrea pilsbryana A calciphile, found under moist leaf litter on rocky wooded hillsides & ravines in karst; reported from Franklin & Marion counties.	(G.H. Clapp, 1919)		Translucent	Supercoil	
				S2	G2
Paravitrea reesei Under moist leaf litter on rocks on river bluffs or ravines; Blue Ridge of far northeast Tennessee; Johnson County.	Morrison, 1937		Round	Supercoil	
				S1S2	G3
Paravitrea significans Under moist leaf litter on wooded hillsides & ravines; vicinity of Mississippi River; reported from Shelby County.	(Bland, 1866)		Domed	Supercoil	
				S1S2	G3
Paravitrea subtilis Found in leaf litter on wooded hillsides & in ravines; northern Highland Rim & Cumberlands; reported from Macon & Fentress counties.	Hubricht, 1978		Slender	Supercoil	
				S2	G2
Paravitrea ternaria Under moist leaf litter of forested hillsides & ravines; Blue Ridge; Unicoi County.	Hubricht, 1978		Sculpted	Supercoil	
				S1S2	G1G2
Paravitrea tridens Moist leaf litter on wooded hillsides; northeast Tennessee; Ridge & Valley and Blue Ridge.	Pilsbry, 1946	RV, BR	White-foot	Supercoil	
				S2	G2
Paravitrea umbilicaris In pockets of deep, moist leaf litter on forested hillsides & ravines; Blue Ridge; southeast Tennessee.	(Ancey, 1887)	RV, BR	Open	Supercoil	
				S2?	G2

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
GASTROPODA (LAND SNAILS)					
Paravitrea variabilis	H.B. Baker, 1929			Variable Supercoil	
In pockets of deep, moist leaf litter on forested hillsides & ravines; escarpment of Cumb. Plateau in Sequatchie Valley & Franklin Co.	CU			S2S3	G2G3
Paravitrea varidens	Hubricht, 1978			Roan Supercoil	
In leaf litter of forested mountainsides; brambles @ high elevation; northern Blue Ridge; Carter County.				S1S2	G1G2
Philomycus sellatus	Hubricht, 1972			Alabama Mantleslug	
Wooded hillsides and ravines, under loose bark of logs, on trunks of smooth-barked trees; southernmost Cumberlands.				S2	G2G3
Philomycus virginicus	Hubricht, 1953			Virginia Mantleslug	
Upland species found in wooded hillsides and ravines, under exfoliating bark of hardwood trees; also arboreal; reported from far NE Tennessee.				S2	G3
Pilsbryna aurea	H.B. Baker, 1929			Ornate Bud	
Deep, wet leaves of karstic forests & hills, near streams; assoc. with limestone/dolomite outcrops; Unicoi, Washington, & Blount cos.	BR			S1	G1
Pilsbryna castanea	H.B. Baker, 1931			Prominent Bud	
Wooded hillsides in deep leaf litter at base of limestone exposures; Sequatchie Valley & S. Cumberlands; Bledsoe & Marion cos.				S2	G2
Pilsbryna nodopalma	Slapcinsky and Coles, 2004			Oar Tooth Bud	
On wooded, rocky hillsides in moist leaf-litter or on relatively dry rock outcrops; Blue Ridge mountains; NE TN border with NC.				S1	G1G2
Pilsbryna quadrilamellata	Slapcinsky and Coles, 2004			Four Blade Bud	
In leaf litter associated with sandstone talus slope adj Nolichucky River; reported only from Unaka Springs, Unicoi County.				S1	G1
Pilsbryna vanattai	(Walker and Pilsbry, 1902)			Honey Glyph	
Moist leaf litter in ravines, wooded mountainsides, adj. seeps, springs, small streams; northern Blue Ridge; northeast Tennessee.	BR			S2S3	G2G3
Praticolella lawae	(J. Lewis, 1874)			Appalachian Shrubsnail	
Favors open pine woods, clearings, and glades, usually on sandy soil; reported from far SE Tennessee.				S2	G3
Stenotrema altispira	(Pilsbry, 1894)			Highland Slitmouth	
Leaf litter, logs, talus in mixed woodland, spring fed slopes; higher elevations of central & N Blue Ridge; northeast Tennessee.	BR			S2?	G3

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
GASTROPODA (LAND SNAILS)					
Stenotrema angellum	Hubricht, 1958			Kentucky Slitmouth	
Found under logs and leaf litter of forested hillsides and ravines; northern Eastern Highland Rim.	ER			S3	G4
Stenotrema barbigerum	(Redfield, 1856)			Fringed Slitmouth	
On logs on forested hillsides & ravines; far SE Tennessee; Blue Ridge and Ridge & Valley.	BR			S3?	G3G4
Stenotrema cohuttense	(G.H. Clapp, 1914)			Cohutta Slitmouth	
In leaf litter of forested hillsides & ravines; far SE Tennessee; S Blue Ridge; Polk County.	RV, BR			S2	G2
Stenotrema depilatum	(Pilsbry, 1895)			Great Smoky Slitmouth	
Leaf litter, logs, talus in mixed woodland, spring fed slopes; higher elevations of central Blue Ridge; GSMNP.				S2	G2
Stenotrema edgarianum	(I. Lea, 1841)			Sequatchie Slitmouth	
On logs and in leaf litter on forested hillsides; southern Sequatchie Valley extending north to Crab Orchard.	CU			S2S3	G2G3
Stenotrema exodon	(Pilsbry, 1900)			Alabama Slitmouth	
A calciphile; found on and about limestone rocks in hilly karst woods; southernmost Cumberlands.				S2	G2
Stenotrema pilula	(Pilsbry, 1900)			Pygmy Slitmouth	
Found under logs and in leaf litter on dry forested hillsides; Blue Ridge; GSMNP.	BR			S3	G3G4
Stenotrema waldense	Archer, 1938			Doaks Creek Slitmouth	
A calciphile; reported in the vicinity of springs of NW Ridge & Valley; Campbell & Claiborne cos; probably uses limestone outcrops.				S2	G2
Striatura exigua	(Stimpson, 1850)			Ribbed Striate	
Moist leaf litter of forested slopes; Blue Ridge; a northern species that apparently follows the spine of the Appalachians south.	BR			S1	G5
Triodopsis anteridon	Pilsbry, 1940			Carter Threetooth	
In leaf litter or on logs on forested slopes and in ravines; Blue Ridge; far northeast Tennessee.	BR			S1S2	G3
Triodopsis claibornensis	Lutz, 1950			Claiborne Threetooth	
In leaf litter of rocky karst woods and on roadsides, NW Ridge & Valley; Claiborne & Campbell counties.	RV			S2	G2
Triodopsis complanata	(Pilsbry, 1898)			Glossy Threetooth	
Cave associate; also found in leaf litter or around logs or talus; northernmost Cumberlands.	ER			S2	G2

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
GASTROPODA (LAND SNAILS)					
Ventridens coelaxis	(Pilsbry, 1899)			Bidentate Dome	
In leaf litter on mountainsides, often at higher elevations; northernmost Blue Ridge and Ridge & Valley.	RV, BR			S2S3	G3
Ventridens decussatus	(Walker and Pilsbry, 1902)			Crossed Dome	
In leaf litter of oak woods, usually above 3,000 ft; Blue Ridge.	BR			S2?	G3
Ventridens eutropis	Pilsbry, 1946			Carinate Dome	
Under leaf litter or limestone slabs in upland oak woods; middle Tennessee; northern Highland Rim.				S2S3	G2G3
Vertigo bollesiana	(E.S. Morse, 1865)			Delicate Vertigo	
In leaf litter of forested hillsides or wet meadows at high elevation; central and northern Blue Ridge of E Tennessee.				S2	G4
Vertigo clappi	Brooks and Hunt, 1936			Cupped Vertigo	
In leaf litter and moss on forested hillsides; Blue Ridge; Monroe County.	ER, BR			S1	G1G2
Vertigo parvula	Sterki, 1890			Smallmouth Vertigo	
In leaf litter and on logs in upland forests with limestone outcrops or talus; Blue Ridge; Washington & Unicoi counties.	BR			S2S3	G3
Vertigo pygmaea	(Draparnaud, 1801)			Crested Vertigo	
A calciphile; generally found in low, grassy habitats; Grassy Cove & Crab Orchard; Cumberland County.	CU			S1	G5
Vertigo rugosula	Sterki, 1890			Striate Vertigo	
Grassy roadsides and cedar glades; dry karst habitats; middle Tennessee.				S2	G4
Vertigo teskeyae	Hubricht, 1961			Swamp Vertigo	
Wet habitats, pond margins, swamps, muddy bottomlands; tributary creeks of lower Tennessee River.	WR, WU			S1	G5
Webbhelix multilineata	(Say, 1821)			Striped Whitelip	
Low wet habitats, marshes, floodplains, meadows; lake margins; under leaf litter or drift; Mississippi River floodplain.	CP, MF			S2	G5
Zonitoides lateumbilicatus	(Pilsbry, 1895)			Striate Gloss	
A calciphile; found in leaf litter of shady karst woods, ravines; sometimes near springs or seeps; spotty distribution in Cumberlands.	ER, CU			S2?	G3G4
Zonitoides patuloides	(Pilsbry, 1895)			Appalachian Gloss	
In pockets of deep moist leaf litter on mountainsides, ravines; Blue Ridge; Great Smoky Mtns National Park.				S2	G3

Other Types

ANNELIDA (SEGMENTED WORMS)

Cambarincola alienus	Holt 1963			A Cave Obligate Worm
Aquatic cave obligate; isopod parasite; southern Cumberlands.		CU		S1 G1G2
Cambarincola leptadenus	Holt 1973			A Cave Obligate Worm
Aquatic cave obligate; crayfish parasite (known from <i>Cambarus tenebrosus</i>); Western Highland Rim.		WR		S1 G1G2
Cambarincola marthae	Holt 1973			A Cave Obligate Worm
Aquatic cave obligate; isopod parasite; northern Central Basin abutting Eastern Highland Rim.		CB		S1 G1G2
Eremidrilus allegheniensis	(Cook, 1971)			A Cave Obligate Worm
Aquatic cave obligate; rimstone pools & subterranean waters; reported from S Cumberlands; Franklin County.		CU		S1S2 G1G2

DIPLOPODA (MILLIPEDES)

Brachoria divicuma	Keeton, 1965			A Millipede
Reported from a mountainside, Cumberland Plateau escarpment west of Jamestown; known only from Fentress County.				S1 G1G3
Brachoria sp. 3				A Xystodesmid Millipede
Terrestrial; reported only from Cherokee National Forest, Greene County; S Appalachians.				S1 G1
Chaetaspis mollis	(Causey, 1959)			A Cave Millipede
Terrestrial cave obligate; central Cumberland Plateau; Van Buren County.		ER, CU		S1 G1
Chaetaspis sp. 1				A Cave Millipede From Thunder Run Cave (TN)
Terrestrial cave obligate; wet caves of central Cumberland Plateau; Van Buren County; known from a single cave at present.		ER		S1 G1
Delophon holti	Shelley, 1979			A Millipede
Terrestrial; moist, wooded sinkholes in karst; northern Ridge & Valley; Hamblen County.		RV		S1 GNR
Pseudotremia acheron	Shear, 1972			A Cave Obligate Millipede
Terrestrial cave obligate; caves of the central Cumberlands; Warren & Van Buren counties.		ER		S1 G1G2
Pseudotremia barri	Lewis, 2005			A Cave Obligate Millipede
Terrestrial cave obligate; southern Cumberlands; Grundy, Warren, & Franklin counties.				S2 G2

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
DIPLOPODA (MILLIPEDES)					
Pseudotremia cercops	Shear, 1972		A Cave Obligate Millipede		
Terrestrial cave obligate; Eastern Highland Rim escarpment; reported from DeKalb County.	ER			S1	G1
Pseudotremia deprehendor	Shear, 1972		A Cave Obligate Millipede		
Terrestrial cave obligate; northern Ridge & Valley caves; east Tennessee.	RV			S1?	G2G3
Pseudotremia garlandae	Lewis, 2005		Garland's Cave Millipede		
Terrestrial cave obligate; riparian mud banks in caves of the N Cumberland Plateau; Fentress County.	ER, CU			S1	G1
Pseudotremia hollidayi	Lewis, 2005		Holliday's Cave Milliped		
Terrestrial cave obligate; collected from riparian mud banks; known from one cave in the Sequatchie Valley of Sequatchie County.				S1	G1
Pseudotremia lethe	Shear, 1972		A Cave Obligate Millipede		
Terrestrial cave obligate; wet caves of northern Central Basin abutting Eastern Highland Rim; Jackson County.	CB			S1	G1
Pseudotremia lictor	Shear, 1972		A Cave Obligate Millipede		
Terrestrial cave obligate; Eastern Highland Rim; DeKalb County.	ER			S1	G1
Pseudotremia manni	Lewis, 2005		Mann's Cave Millipede		
Terrestrial cave obligate; collected from riparian mud banks in caves of the northern Eastern Highland Rim; Overton County.	ER, CU			S1	G1
Pseudotremia minos	Shear, 1972		A Cave Obligate Millipede		
Terrestrial cave obligate; southern Cumberlands; Franklin & Marion counties.				S1	G1
Pseudotremia nodosa	Loomis, 1939		A Millipede		
Terrestrial cave obligate; lower Powell River drainage; upper Ridge & Valley; Claiborne, Hancock, & Union counties.	RV			S2S3	G4
Pseudotremia rhadamanthus	Shear, 1972		A Cave Obligate Millipede		
Terrestrial cave obligate; southern Cumberland Plateau; Marion County.	CU			S1	G1G2
Pseudotremia roebuckorum	Lewis, 2005		Roebuck's Cave Millipede		
Terrestrial cave obligate; collected from riparian mud banks in caves of the N Cumberland Escarpment; Fentress County.	ER, CU			S1	G1
Pseudotremia sp. 10			Skylight Cave Milliped		
Terrestrial cave obligate; reported from three caves in the Battle Creek drainage of S Cumberlands; Marion County.				S1	G1

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
DIPLOPODA (MILLIPEDES)					
Pseudotremia sp. 11					Baker Cave Milliped
Terrestrial cave obligate; northern Cumberlands; known from one cave system near Crab Orchard.				S1	G1
Pseudotremia sp. 8					Three Forks Cave Milliped
Terrestrial cave obligate; northern Eastern Highland Rim; reported from two caves in Overton County.				S1	G1
Pseudotremia sp. 9					A Cave Millipede from Overton County
Terrestrial cave obligate; reported from five caves in northern Eastern Highland Rim; Overton County.				S1	G1
Pseudotremia valga	Loomis, 1943				A Millipede
Terrestrial cave obligate; northernmost Ridge & Valley; Claiborne County.		RV		S1?	G1G2
Pseudotremia wallaceae	Lewis, 2005				Wallace's Cave Millipede
Terrestrial cave obligate; collected from riparian mud banks in caves of the northern Eastern Highland Rim; Pickett County.		ER		S1	G1
Scoterpes copei	(Packard, 1881)				A Cave Obligate Millipede
Terrestrial cave obligate; wet caves of the N Cumberland escarpment; Fentress County.		ER, CU		S1	G1
Scoterpes ventus	Shear, 1972				A Cave Obligate Millipede
Terrestrial cave obligate; wet caves of the Cumberland Plateau & Sequatchie Valley.		ER, SV, CU		S1	G1
Tetracion jonesi	Hoffman, 1956				A Cave Obligate Millipede
Terrestrial cave obligate; reported from three caves in S Cumberlands; Franklin County.		ER, CU		S1S2	G3G4
TARDIGRADA (WATER BEARS)					
Calohypsibius schusteri					Schuster's Tardigrade
Beech-maple forests @ high elevations; in mosses on beech trees; Blue Ridge; Carter County.		BR		S1	GNR
Hypsibius roanensis	Nelson and McGlothlin, 1993				A Tardigrade
Beech-maple forests @ high elevations; in lichen or mosses on beech trees; Roan Mountain; Blue Ridge; Carter County.		BR		S1	GNR
TURBELLARIA (FLATWORMS)					
Sphalloplana buchanani	(Hyman, 1937)				A Cave Obligate Planarian
Aquatic cave obligate; northern Central Basin; Davidson County; taxonomy poorly understood.		CB		S1	G1G2

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
TURBELLARIA (FLATWORMS)					
Sphalloplana chandleri Aquatic cave obligate; Central Basin; Davidson County and possibly Cheatham & Rutherford counties.	Kenk, 1977			Chandler's Planarian S1	G1G2
Sphalloplana consimilis Aquatic cave obligate; Powell River Valley; N Ridge & Valley; Claiborne County.	Kenk, 1977	RV		Powell Valley Planarian S1	G2G3

Vertebrate Animal

Amphibians

Acris gryllus Grassy margins of swamps, marshes, lakes, ponds, streams, ditches, and nearby temporary pools; far SW Tennessee.	(Le Conte, 1825)			Southern Cricket Frog S2S3	G5
Ambystoma barbouri Seasonally ephemeral karst streams; middle Tennessee.	Kraus and Petranka, 1989	WR, CB	D	Streamside Salamander S2	G4
Aneides aeneus Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	(Cope and Packard, 1881)	ER, CB, RV, CU		Green Salamander S3S4	G3G4
Cryptobranchus alleganiensis Rocky, clear creeks and rivers with large shelter rocks.	(Daudin, 1803)	WR, ER, CB, RV, WU, SV, BR, CU	D	Hellbender S3	G3G4
Desmognathus abditus Assoc. with streams of Cumberland Plateau; under rocks along small streams or adj. cover; Morgan & Grundy counties.	Anderson and Tilley, 2003			Cumberland Dusky Salamander S2S3	G2G3
Desmognathus aeneus Leaf litter in mixed hardwood forests near small creeks, springs and seeps; southern Blue Ridge; SE Tennessee.	Brown and Bishop, 1947	RV, BR	D	Seepage Salamander S1	G3G4
Desmognathus carolinensis Seepage areas, springs, small streams, & wet rock faces; spruce-fir forest floor; Blue Ridge; Cocke, Greene, Unicoi Cos.	Dunn, 1916			Carolina Mountain Dusky Salamander S2S3	G4
Desmognathus santeetlah Stream headwaters and high elevation seepage areas in a four-county area of the S Appalachians in far east Tennessee. 	Tilley, 1981			Yellow Dusky Salamander S2S3	G3G4Q

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
Desmognathus welteri Spring runs and permanent streams in wooded mountainous terrain; northern Cumberlands.	Barbour, 1950	CM, CU	D	S3	G4
Desmognathus wrighti Mature hardwoods & spruce-fir forests under moss, leaf litter, logs, bark, and rocks; high elevations; Blue Ridge.	King, 1936	RV, BR	D	S2S3	G3G4
Eurycea junaluska Beneath rocks along medium to large streams; S Blue Ridge; Monroe, Blount, & Sevier counties.	Sever, Dundee, and Sullivan, 1976	BR	D	S2	G3
Gyrinophilus gulolineatus Aquatic cave obligate; Ridge & Valley; formerly included with <i>G. palleucus</i> .	Brandon, 1965	RV	T	S1	G1Q
Gyrinophilus palleucus Aquatic cave obligate; cave streams & rimstone pools; Central Basin, Eastern Highland Rim, & Cumberland Plateau.	McCrary, 1954	ER, CB, RV, SV, BR, CU	T	S2	G2G3
Hemidactylium scutatum Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	(Temminck and Schlegel, 1838)	WR, ER, CB, RV, CM, BR, CU	D	S3	G5
Hyla gratiosa Low wet woods and swamps esp. with ephemeral ponds.	LeConte, 1856	WR, ER, CP, WU, SV, CU	D	S3	G5
Plethodon aureolus Mountainous & lowland forests of the S Blue Ridge; Monroe & Polk counties.	Highton, 1983			S2	G2G3
Plethodon kentucki Under logs or leaf litter in mature hardwood forests on steep slopes underlain by sandstone or shale; Cumberland Mountains; Scott Co.	Mittleman, 1951			S1S2	G4
Plethodon shermani Mesic forests, often under leaf litter, logs, or mossy rocks; S Blue Ridge; SE Tennessee.	Stejneger, 1906			S2	G2
Plethodon wehrlei Sheltered areas in mesic hardwood forests; Cumberland Mountains; Campbell County.	Fowler and Dunn, 1917	CM	D	S1	G4
Plethodon welleri Rich woods under downed logs, rocks, leaf litter; spruce-fir, birch-hemlock, and primarily deciduous forests of NE Blue Ridge.	Walker, 1931	BR	D	S2	G3

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
Plethodon yonahlossee Mature woodland hillsides and ravines of the Blue Ridge Mountains; far NE Tennessee; esp. Cherokee National Forest.	Dunn, 1917		Yonahlossee Salamander	S2	G4
Rana capito Seasonally flooded ponds in the Barrens of Coffee County.	LeConte, 1855	ER	Carolina Gopher Frog	S1	G3

Birds

Accipiter striatus Forests and open woodlands.	Vieillot, 1808	WR, ER, RV, CP, CM, BR, CU	D	S3B,S4N	G5
Aegolius acadicus High-elevation spruce-fir forests; Blue Ridge Mountains.	(Gmelin, 1788)	RV, BR	T	S1	G5
Aimophila aestivalis Dry open pine or oak woods; nests on the ground in dense cover.	(Lichtenstein, 1823)	WR, ER, CB, RV, CP, WU, CU, MF	E	S1B	G3
Ammodramus henslowii Damp open fields and meadows with grass interspersed with weeds or shrubs.	(Audubon, 1829)	WR, ER	D	S1B	G4
Anhinga anhinga Swamps, lakes, and sluggish streams at low elevations.	(Linnaeus, 1766)	WR, WU, MF	D	S1B	G5
Aquila chrysaetos Open country, open wooded country, and barren areas, especially in hilly or mountainous regions.	(Linnaeus, 1758)	WR, CB, BR, CU	T	S1	G5
Ardea alba Marshes, swampy woods, streams, lakes, and ponds; also fields and meadows; colonial nester.	Linnaeus, 1758	WR, CB, RV, CP, BR, MF	D	S2B,S3N	G5
Botaurus lentiginosus Lake and pond edges with plentiful vegetation, and wetlands created by impoundments; rare nester.	(Rackett, 1813)	WR, ER		S1	G4
Chondestes grammacus Open habitats with scattered bushes and trees, prairie, cultivated areas, fields with bushy borders; ground nester.	(Say, 1823)	WR, CB, CP, WU, MF	T	S1B	G5

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
Circus cyaneus Marshes, meadows, grasslands, and cultivated fields; ground nester.	(Linnaeus, 1766)			Northern Harrier S4N	G5
Contopus cooperi Forest, woodland, and open habitats with scattered trees, esp. with tall dead snags.	(Nuttall, 1831)	BR	D	Olive-sided Flycatcher S1	G4
Corvus corax Hilly or mountainous areas, esp near cliffs; nests usually on cliff ledges or in coniferous trees.	Linnaeus, 1758	RV, BR	T	Common Raven S2	G5
Dendroica cerulea Mature deciduous forest, particularly in floodplains or mesic conditions.	(Wilson, 1810)	WR, ER, CB, RV, CP, CM, WU, BR, CU, MF	D	Cerulean Warbler S3B	G4
Egretta caerulea Bodies of calm shallow water; colonial nester.	(Linnaeus, 1758)	WR, CP, WU, MF	D	Little Blue Heron S2B,S3N	G5
Egretta thula Marshes, lakes, ponds; colonial nester.	(Molina, 1782)		D	Snowy Egret S2B,S3N	G5
Empidonax alnorum Alder thickets adj. balds, forest edge, boggy meadows; higher elevations of Southern Blue Ridge.	Brewster, 1895	BR		Alder Flycatcher S1	G5
Falco peregrinus Varied habitats including farmlands, marshes, river mouths, and cities; often nests on ledges.	Tunstall, 1771	CB, RV, BR, CU, MF	E	Peregrine Falcon S1B	G4
Gallinula chloropus Marshes, quiet rivers, lakes and ponds; nests among marsh plants over water; infrequently flies.	(Linnaeus, 1758)	RV, MF	D	Common Moorhen S1B	G5
Haliaeetus leucocephalus Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	(Linnaeus, 1766)	WR, ER, CB, RV, CP, WU, SV, BR, CU, MF	D	Bald Eagle S3	G5
Ictinia mississippiensis Undisturbed stands of lowland and floodplain forests and along major rivers.	(Wilson, 1811)	CP, MF	D	Mississippi Kite S2S3	G5
Ixobrychus exilis Marshes with scattered bushes or other woody growth; readily uses artificial wetland habitats.	(Gmelin, 1789)	ER, CB, RV, CP, CU, MF	D	Least Bittern S2B	G5

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
Lanius ludovicianus Open country with scattered trees and shrubs and occasionally open woodland; extremely rare breeder.	Linnaeus, 1766			Loggerhead Shrike S1B,S2N	G4
Limothlypis swainsonii Mature, rich, damp, deciduous floodplain and swamp forests.	(Audubon, 1834)	WR, RV, CP, CM, WU, BR, CU, MF	D	Swainson's Warbler S3	G4
Passerculus sandwichensis Grassland habitats, away from cultivated fields and fence lines; reported from Ridge & Valley and Western Highland Rim.	(Gmelin, 1789)	WR, RV		Savannah Sparrow S1B,S4N	G5
Poecile atricapillus Deciduous and mixed forest and woodland, and tall thickets; Appalachian Mountains.	(Linnaeus, 1766)		D	Black-capped Chickadee S2B	G5
Poocetes gramineus Balds, old pastures; ground nester.	(Gmelin, 1789)	WR, BR	D	Vesper Sparrow S1B,S4N	G5
Rallus elegans Marshes, upland-wetland marsh edges, flooded farmlands, shrub swamps.	Audubon, 1834	WR, ER, RV	D	King Rail S2	G4
Sphyrapicus varius Deciduous or mixed deciduous-coniferous forest; winters statewide and breeds in Appalachian Mountains.	(Linnaeus, 1766)	CP, BR	D	Yellow-bellied Sapsucker S1B,S4N	G5
Sterna antillarum athalassos Mississippi River sand bars & islands, dikes. 		CP, MF	E	Interior Least Tern S2S3B	G4T2Q
Thryomanes bewickii Brushy areas, thickets and scrub in open country, open and riparian woodland.	(Audubon, 1827)	WR, ER, CB, CP, CM, WU, BR, CU, MF	E	Bewick's Wren S1	G5
Tyrannus forficatus Open country, dry grasslands, cultivated lands, scrub; widespread but uncommon breeders in TN.	(Gmelin, 1789)			Scissor-tailed Flycatcher S2B	G5
Tyto alba Open and partly open country, often around human habitation; farms.	(Scopoli, 1769)	WR, ER, CB, RV, CP, BR, MF	D	Barn Owl S3	G5
Vermivora chrysoptera Early successional habitats in foothill regions of Appalachians.	(Linnaeus, 1766)	BR, CU	D	Golden-winged Warbler S3B	G4

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
Vireo bellii	Aububon, 1844				Bell's Vireo
Thickets adjacent to water, bottomlands; west Tennessee and one confirmed location in Western Highland Rim.	CP			S1B	G5
Fish					
Acipenser fulvescens	Rafinesque, 1817				Lake Sturgeon
Bottoms of large, clean rivers and lakes.	WR, CB, RV	E		S1	G3G4
Alosa alabamae	Jordan and Evermann, 1896				Alabama Shad
Large rivers; anadromous.		D		SH	G3
Ammocrypta beani	Jordan, 1877				Naked Sand Darter
Shifting sand bottoms & sandy runs; Hatchie River & larger tribs.	CP, WU	D		S2	G5
Ammocrypta clara	Jordan and Meek, 1885				Western Sand Darter
Usually in slight to moderate current over sandy bottom; Clinch & Powell rivers.	RV	T		S1	G3
Ammocrypta vivax	Hay, 1882				Scaly Sand Darter
Small to medium rivers with sandy substrate; Hatchie & Buffalo rivers.	WR, CP, WU	D		S2	G5
Atractosteus spatula	(LacepFde, 1803)				Alligator Gar
Sluggish pools of large rivers, oxbows, swamps, and backwaters; west Tennessee.	WR, CP, WU, MF	D		S1	G3G4
Carpoides velifer	(Rafinesque, 1820)				Highfin Carpsucker
Large rivers, mostly in Tennessee River drainage.	WR, ER, CB, RV, WU, SV, BR	D		S2S3	G4G5
Clinostomus funduloides ssp. 1					Smoky Dace
Upland tributaries of Little Tennessee River; east Tennessee.	BR	D		S1S2	G5T3Q
Cottus sp. 5					Holston Sculpin
Clear streams of mod-high gradient containing runs/riffles w/ unsilted gravel, rubble, and boulder substrates; upper Holston R system.				S2	G2
Crystallaria asprella	(Jordan, 1878)				Crystal Darter
Small to medium rivers with expanses of clean sand and gravel; Cumberland River watershed.	CB, CU	D		SX	G3

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
Cycleptus elongatus Swift waters over firm substrates in big rivers.	(Lesueur, 1817) WR, CB, RV, CP, WU, MF	T		S2	G3G4
Cyprinella caerulea Cool, clear, small to medium-sized rivers over firm substrates.	(Jordan, 1877) RV, BR	E	LT	S1	G2
Erimonax monachus Clear upland rivers with swift currents & boulder substrates; portions of the Tennessee River watershed.	(Cope, 1868) WR, RV, CM, BR, CU	T	LT, XN, PXN	S2	G2
Erimystax cahni Major headwater tribs to TN River with small gravel substrates & swift-moderate currents.	(Hubbs and Crowe, 1956) RV	T	LT	S1	G1
Etheostoma acuticeps Strongly flowing water in riffles and chutes of large upland creeks and medium-sized rivers.	Bailey, 1959 RV, BR			S2S3	G3
Etheostoma aquali Primarily in deep riffles, runs, and flowing pools; Duck and Buffalo River watersheds.	Williams and Etnier, 1978 WR, CB	T		S2S3	G2G3
Etheostoma baileyi Creeks and small rivers with riffles containing gravel or rubble; upper Cumberland drainage.	Page and Burr, 1982 CM, CU	D		S2	G4G5
Etheostoma barbouri Sandy pools in small to medium streams with slabrock cover; Barren River watershed.	Kuehne and Small, 1971 WR	D		S2	G4G5
Etheostoma barrenense Locally abundant in rocky pools and adjacent riffles of small to moderate streams; Barren River watershed.	Burr and Page, 1982 WR	D		S3	G4
Etheostoma bellum Locally abundant in small to medium-sized clear streams over gravel substrate; Barren River watershed.	Zorach, 1968 WR	D		S3	G4G5
Etheostoma blennioides sequatchiense Swift gravel riffles; Sequatchie River watershed.	Burr, 1979			S3	G4T3
Etheostoma boschungii Gravel-bottomed creeks and small rivers; spawns in seepage water in fields and open woods.	Wall and Williams, 1974 WR, ER, WU	T	LT	S1	G1
					Blue Sucker
					Blue Shiner
					Spotfin Chub
					Slender Chub
					Sharphead Darter
					Coppercheek Darter
					Emerald Darter
					Teardrop Darter
					Splendid Darter
					Orangefin Darter
					Sequatchie Darter
					Slackwater Darter

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
Etheostoma brevirostrum Bedrock & gravel pools of creeks and small to medium rivers; Conasauga River watershed.	Suttkus and Etnier, 1991 RV, BR	T		Holiday Darter S1	G2
Etheostoma cervus Small streams with slow to moderate current and predominantly sandy substrates; Forked Deer River watershed.	Powers and Mayden, 2003			Chickasaw Darter S2S3	G2G3
Etheostoma cinereum Small to medium upland rivers with bedrock or gravel substrate and boulders.	Storer, 1845 WR, ER, CB, RV, CM, CU	T		Ashy Darter S2S3	G2G3
Etheostoma corona Rocky pools and adjacent riffles of headwaters, creeks, and small rivers; Cypress Creek watershed.	Page and Ceas, 1992 WR, WU	E		Crown Darter S1S2	G3
Etheostoma denoncourti Medium to large rivers in shallow riffle areas of pea gravel; Tennessee River system.	Stauffer and van Snik, 1997 WR, CB, RV, SV			Golden Darter S2	G2
Etheostoma ditrema Limestone springs and slow spring runs; Conasauga River watershed.	Ramsey and Suttkus, 1965 RV	T		Coldwater Darter S1	G1G2
Etheostoma forbesi Headwaters of the Barren Fork & Hickory Creek drainages; Cumberland River watershed.	Page and Ceas, 1992 ER	E		Barrens Darter S1	G1G2
Etheostoma gutselli Swift riffle areas with coarse rubble; Little Tennessee & Pigeon rivers.	(Hildebrand, 1932) BR	E		Tuckasegee Darter S1	G4
Etheostoma kantuckeense Upper Barren River system of the Highland Rim.	Ceas and Page, 1997			Highland Rim Darter S1	G4
Etheostoma luteovinctum Limestone streams; Nashville Basin & portions of Highland Rim.	Gilbert and Swain, 1887 WR, ER, CB	D		Redband Darter S4	G4
Etheostoma microlepidum Small rivers, in deep, strongly flowing riffles with gravel, boulder, and coarse rubble substrates; Cumberland River drainage.	Raney and Zorach, 1967 WR, CB	D		Smallscale Darter S2	G2G3
Etheostoma neopterum Small to medium sized, gravelly, cool, spring-fed streams; Shoal Creek watershed.	Howell and Dingerkus, 1978 WR			Lollypop Darter S1S2	G3

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
Etheostoma obeyense Small to medium sized, clear upland streams; Eastern Highland Rim; Cumberland River drainage.	Kirsch, 1892 ER, CB			Barcheek Darter S3	G4
Etheostoma olivaceum Small streams with slabrock on limestone bedrock; Nashville Basin tribs to Cumberland & lower Caney Fork rivers.	Braasch and Page, 1979 CB	D		Sooty Darter S3	G3
Etheostoma percnum Gently flowing pools near riffles; larger creeks and medium size rivers; Tennessee & Cumberland river drainages.	Jenkins, 1994 RV, BR, CU	E	LE, XN	Duskytail Darter S1	G2
Etheostoma pseudovulatum Small to medium sized, gravelly, cool, spring-fed streams; lower Duck River watershed.	Page and Ceas, 1992 WR	E		Egg-mimic Darter S1	G1
Etheostoma pyrrhogaster Sand- and gravel-bottomed pools of headwaters, creeks, and small rivers; upper Coastal Plain; west Tennessee.	Bailey and Etnier, 1988 CP, WU	D		Firebelly Darter S2	G2G3
Etheostoma sagitta Smaller streams of northern Cumberland Plateau & Cumberland Mountains; Cumberland River watershed.	(Jordan and Swain, 1883) CM, CU	D		Arrow Darter S2	G3G4
Etheostoma sp. D Streams with slow to moderate current over clean sand and fine gravel; Caney Fork River system (above Great Falls Reservoir).		ER, CU	E	Bluemask (Jewel) Darter LE	S1 G1
Etheostoma striatum Bedrock pools of headwaters and creeks with large slabrock cover; upper Duck River watershed.	Page and Braasch, 1977 ER, CB	T		Striated Darter S1	G1
Etheostoma susanae Creeks in the upper Cumberland River watershed of the Cumberland Mountains; extremely rare.	(Jordan and Swain, 1883) CM	E	C	Cumberland Darter S1	G1G2
Etheostoma tippecanoe Medium to large rivers in shallow riffle areas containing fine cherty gravel; Cumberland River watershed.	Jordan and Evermann, 1890 WR, CB, RV, CU	D		Tippecanoe Darter S1S2	G3G4
Etheostoma trisella Slackwater areas along margins of the Conasauga River & some tributaries; Conasauga River watershed.	Bailey and Richards, 1963 RV	T		Trispot Darter S1	G1
Etheostoma tuscumbia Ponded spring-fed habitats of valley floor springs; lower Tennessee River; probably extirpated from TN.	Gilbert and Swain, 1887 WU	D		Tuscumbia Darter SX	G2

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
Etheostoma wapiti Fast rocky riffles of small to medium rivers & large creeks; Elk River watershed.	Etnier and Williams, 1989 CB	E	LE, XN	S1	G1
Fundulus chrysotus Swamps, backwaters, and pools of ditches and slow-moving creeks; Reelfoot Lake & imm. vicinity.	(Gnntner, 1866) CP, MF	D		S1S2	G5
Fundulus julisia Springs, spring runs, and first- and second-order headwaters and creeks in the Barrens of Cannon, Coffee, & Warren counties.	Williams and Etnier, 1982 ER	E		S1	G1
Hemitremia flammea Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	(Jordan and Gilbert, 1878) WR, ER, CB, RV, WU, SV, BR, CU	D		S3	G3
Hybognathus placitus Clear to highly turbid rivers and creeks with sandy bottoms; Mississippi River & imm. environs.	Girard, 1856 MF	D		S1	G4
Hybopsis lineapunctata Small upland creeks with sandy substrates; Conasauga River watershed.	Clemmer and Suttkus, 1971 RV	D		S1	G3G4
Ichthyomyzon gagei Gravel and sand riffles and runs of small rivers and creeks; Conasauga & lower Tennessee river watersheds.	Hubbs and Trautman, 1937 WR, RV, WU, BR	D		S1	G5
Ichthyomyzon unicuspis Lakes, reservoirs, & large rivers; lower Cumberland, lower Tennessee, and probably Mississippi river watersheds.	Hubbs and Trautman, 1937 WR, CB	D		S2	G5
Lampetra sp. 1 Small-medium sized streams with stable silt/sand substrates; endemic to the Obion River watershed; reported from Henry County.			A brook lamprey - Obion River system	S2	GNR
Macrhybopsis gelida Large turbid rivers & their larger tributaries; Mississippi River proper.	(Girard, 1856) MF	D		S1	G3
Macrhybopsis meeki Main channel of the Mississippi River in swift currents over sand and gravel substrates.	(Jordan and Evermann, 1896) MF	D		S2	G3
Macrhybopsis sp. 1 In swift currents over gravel substrates; Conasauga River.				S1	G3G4

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
Moxostoma atripinne					Blackfin Sucker
Larger creeks with quiet or gently flowing pools with scattered slabrocks & undercut banks; Barren River watershed.	WR, CB	D		S1	G2
Moxostoma lacerum	Jordan and Brayton, 1877				Harelip Sucker
Medium to large, warm, sluggish streams with relatively low turbidity and silt levels; presumed extinct.	ER, CB	D		SX	GX
Notropis albizonatus	Warren and Burr, 1994				Palezone Shiner
Large upland creeks and small rivers in quiet waters and flowing pools; possibly extirpated from TN.	RV	E	LE	SH	G1
Notropis asperifrons	Suttkus and Raney, 1955				Burrhead Shiner
Rocky and sandy pools and runs of clear creeks and small rivers; Conasauga River watershed.				S2	G4
Notropis buccatus	(Cope, 1865)				Silverjaw Minnow
Small creeks & large rivers with moderate current & sandy substrates; upper Cumberland River watershed; poss. introd. Stones River.	CB, CM	T		S1	G5
Notropis chrosomus	(Jordan, 1877)				Rainbow Shiner
Small, clear, often spring-fed streams with sand and gravel substrates; Conasauga River watershed.				S3	G4
Notropis dorsalis	(Agassiz, 1854)				Bigmouth Shiner
Cool, low-gradient creeks over sand or fine gravel substrates; tributaries near confluence of Mississippi River.	MF	D		S1	G5
Notropis rubellus	(Agassiz, 1850)				Rosyface Shiner
Clear, swift, large creeks with bottoms of clean gravel or rubble; tribs to Cumberland River upst Cumberland Falls.	WR, CM	D		S2	G5
Notropis rupestris	Page, 1987				Bedrock Shiner
Bedrock pools of some low-gradient streams of the Nashville Basin.	WR, ER, CB	D		S2	G2
Notropis stilbius	Jordan, 1877				Silverstripe Shiner
Still or gently flowing pool areas in the Conasauga River & larger tributaries.				S3	G4
Noturus baileyi	Taylor, 1969				Smoky Madtom
Clear, cool, rocky riffles, runs, and flowing pools of mountain creeks; lower Little Tennessee River system.	BR	E	LE, XN	S1	G1
Noturus crypticus	Burr, Eisenhour, and Grady, 2005				Chucky Madtom
Stream runs with slow to moderate current over pea gravel, cobble, or slabrock; Little Chucky Creek; Nolichucky River system.	RV	E	C	S1	G1

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
Noturus fasciatus	Burr, Eisenhour, and Grady, 2005			Saddled Madtom	
Rocky riffles, runs, and flowing pools of clear creeks & small rivers; Duck River system and nearby tributaries of the Tennessee River.	WR, CB, WU	T		S2	G2
Noturus flavipinnis	Taylor, 1969			Yellowfin Madtom	
Medium size to large creeks and small rivers that are unpolluted & relatively unsilted; upper Tennessee River watershed.	RV, BR	E	LT,XN	S1	G1
Noturus gladiator	Thomas and Burr, 2004			Piebald Madtom	
Large creeks & rivers in moderate-swift currents with clean sand or gravel substrates; Mississippi River tributaries.	CP, WU, MF	D		S3	G3
Noturus munitus	Suttkus and Taylor, 1965			Frecklebelly Madtom	
In moderate-swift currents of main channel of Conasauga River over a variety of substrates.	RV	T		S1	G3
Noturus stanauli	Etnier and Jenkins, 1980			Pygmy Madtom	
Medium to large rivers with moderate to strong current over gravel substrates; Tennessee River watershed.	WR, CB, RV	E	LE	S1	G1
Percina antesella	Williams and Etnier, 1977			Amber Darter	
Main channel of Conasauga River in flowing pools & deeper runs with clean substrates of sand, gravel, scattered boulders.	RV, BR	E	LE	S1	G1G2
Percina aurantiaca	(Cope, 1868)			Tangerine Darter	
Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	RV, CM, BR, CU	D		S3	G4
Percina burtoni	Fowler, 1945			Blotchside Logperch	
Large creeks and small-medium rivers with low turbidity and gravel-cobble substrates; Tennessee & Cumberland river watersheds.	WR, ER, CB, RV, BR	D		S2	G2G3
Percina jenkinsi	Thompson, 1985			Conasauga Logperch	
Deep gravel runs or pools with small stones & sandy bottoms; Conasauga and Jacks rivers; Conasauga River watershed.	RV, BR	E	LE	S1	G1
Percina kathae	Thompson, 1997			Mobile Logperch	
Pool areas, deep riffles, & runs; Conasauga River & its larger tributaries.				S2S3	G4
Percina kusha	Williams and Burkhead, 2007			Bridled Darter	
Small rivers with exceptional water quality, in flowing pools with sand, detritus, boulders; Conasauga River watershed.	BR			S1	G2

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
Percina macrocephala Clear, larger upland creeks and small-med rivers, usually in rocky flowing pools upst/dnst rubble riffles; Tenn & Cumb river watersheds.	(Cope, 1867) WR, ER, CB, RV, BR, CU	T		S2	G3
Percina phoxocephala Small-large rivers with moderate gradient in shoal areas with moderate-swift currents; portions of Tenn & Cumb river watersheds.	(Nelson, 1876) WR, ER, CB	D		S3	G5
Percina squamata Small-med rivers; in strong flowing chutes with rubble/boulders in high-gradient streams; portions of upper Tenn & Cumb river systems. 	(Gilbert and Swain, 1887) CU	D		S2	G3
Percina stictogaster Small rivers & larger creeks; pool areas with mod-sluggish current & aquatic vegetation; Barren River watershed.	Burr and Page, 1993 WR	D		S1	G4G5
Percina tanasi Sand and gravel shoals of moderately flowing, vegetated, large creeks; upper Tennessee River watershed.	Etnier, 1976 CB, RV, SV	T	LT	S2S3	G2G3
Percina williamsi Flowing pools over rocky, sandy, or silty substrates in clear creeks or small rivers; upper Tennessee River system; east TN.	Page and Near, 2007	T		S2	G2
Phenacobius catostomus Gravel and rubble-bottomed runs and riffles of creeks and small to medium rivers; Conasauga River watershed.	Jordan, 1877			S2	G4
Phoxinus cumberlandensis Small upland tributaries with sand, sandstone, and shale substrates in unsilted conditions; upper Cumberland R. watershed.	Starnes and Starnes, 1978 CM	T	LT	S2	G2
Phoxinus saylori Cool 1st-2nd order streams with slabrock and rubble substrate; Walden Ridge of the Cumberland Plateau; Tennessee River watershed.	Skelton, 2001 CU	E	C	S1	G1
Phoxinus tennesseensis First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	Starnes and Jenkins, 1988 RV, CM, SV, BR, CU	D		S3	G3
Scaphirhynchus albus Large, turbid, free-flowing riverine habitat, in strong current over firm gravel or sandy substrates; Mississippi River main channel.	(Forbes and Richardson, 1905) MF	E	LE	S1	G2
					Longhead Darter
					Slenderhead Darter
					Olive Darter
					Frecklebelly Darter
					Snail Darter
					Sickle Darter
					Riffle Minnow
					Blackside Dace
					Laurel Dace
					Tennessee Dace
					Pallid Sturgeon

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
Typhlichthys subterraneus Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	Girard, 1859	WR, ER, CB, WU, SV, CU	D	S3	G3G4
Mammals					
Condylura cristata Hydric soils in beech-maple-birch forests at higher elevations in the Appalachians.	(Linnaeus, 1758)	BR	D	S2	G5
Corynorhinus rafinesquii Caves, hollow trees, abandoned buildings; often associated with forested areas.	(Lesson, 1827)	ER, CB, RV, CP, CM, WU, SV, BR, CU, MF	D	S3	G3G4
Glaucomys sabrinus coloratus Spruce-fir or mature hardwood forest with snags; in tree cavities or leaf nests; higher elevations of the Appalachians.	Handley, 1953	BR	E	LE	S1S2 G5T1
Martes pennanti Large, heavily wooded areas w/ mixed hardwoods or conifers; presumably extirpated; reintrod. into the northern Cumberland Plateau.	(Erxleben, 1777)			SU	G5
Microtus chrotorrhinus carolinensis Mossy rocks and logs, and cool, moist talus slopes at higher elevations of the Appalachians.	Komarek, 1932	BR	D	S2	G4T3
Mustela nivalis Old fields, hedgerows, and forested areas; Appalachian Mountains, Ridge & Valley, & Cumberland Plateau.	Linnaeus, 1766	RV, BR, CU		S2	G5
Myotis austroriparius Caves, but especially hollow trees & abandoned buildings, usually near water.	(Rhoads, 1897)			S3	G3G4
Myotis grisescens Cave obligate year-round; frequents forested areas; migratory.	A.H. Howell, 1909	WR, ER, CB, RV, CP, CM, WU, SV, BR, CU	E	LE	S2 G3
Myotis leibii Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.	(Audubon and Bachman, 1842)	WR, ER, RV, CM, BR, CU	D	S2S3	G3

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
Myotis sodalis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	Miller & Allen, 1928	WR, ER, CB, RV, CM, BR, CU, MF	E	LE	Indiana Myotis S1 G2
Napaeozapus insignis Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	(Miller, 1891)	ER, RV, CM, BR, CU	D		Woodland Jumping Mouse S4 G5
Neotoma floridana haematoreaia Forests & talus slopes in southern Appalachians of southeastern Tennessee.	A.H. Howell, 1934	BR	D		Southern Appalachian Woodrat S2 G5T4Q
Neotoma floridana illinoensis Forested areas, caves & outcrops; west Tennessee generally.	A.H. Howell, 1910	CP, MF	D		Eastern Woodrat S3 G5T5
Neotoma magister Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	Baird, 1858	WR, ER, CB, RV, CM, SV, BR, CU	D		Allegheny Woodrat S3 G3G4
Parascalops breweri Moist soils in deciduous forests with thick humus; east Tennessee.	(Bachman, 1842)	RV, CM, BR	D		Hairy-tailed Mole S3 G5
Sorex cinereus Rich woodlands of many types; open fields; middle and east Tennessee.	Kerr, 1792	WR, ER, RV, CP, CM, BR, CU	D		Cinereus Shrew S4 G5
Sorex dispar Mountainous, forested areas with loose talus; east Tennessee.	Batchelder, 1911	RV, BR, CU	D		Long-tailed Shrew S2 G4
Sorex fumeus Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	Miller, 1895	ER, CB, RV, CM, BR, CU	D		Smoky Shrew S4 G5
Sorex hoyi Found in a variety of habitats, with moist sites preferred over dry areas; middle and east Tennessee.	Baird, 1858	WR, ER, CU			American Pygmy Shrew S2 G5
Sorex longirostris Various habitats including wet meadows, damp woods, and uplands; statewide.	Bachman, 1837	WR, ER, CB, RV, CP, CM, WU, BR, CU, MF	D		Southeastern Shrew S4 G5
Sorex palustris Most abundant along small cold streams with thick overhanging riparian growth; Appalachian Mountains.	Richardson, 1828	BR	D		American Water Shrew S2 G5

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
Spilogale putorius Rocky outcrops, open prairies, brushy areas, cultivated fields, and barnyards; more common in east Tennessee; reclusive.	(Linnaeus, 1758) ER, CM, BR, CU			Eastern Spotted Skunk S3	G5
Synaptomys cooperi Marshy meadows, wet balds, & rich upland forests.	Baird, 1858 WR, RV, CP, CM, BR, CU	D		Southern Bog Lemming S4	G5
Zapus hudsonius Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	(Zimmermann, 1780) WR, ER, CB, RV, CP, WU, BR, CU, MF	D		Meadow Jumping Mouse S4	G5

Reptiles

Clonophis kirtlandii Typically inhabits wet meadows, wet prairies and assoc open and wooded wetlands, seasonal marshes, open swamps, sparsely wooded hillsides, and the vicinity of ponds and sluggish creeks; known from one collection in Henry County. 	(Kennicott, 1856)			Kirtland's Snake S1	G2
Glyptemys muhlenbergii Muck-bottomed bogs, fens, marshy/sedge-tussock meadows, spring seeps, wet pastures, and shrub swamps; Appalachians.	(Schoepff, 1801) BR	T	SAT	Bog Turtle S1	G3
Macrochelys temminckii Slow moving, deep water of rivers, sloughs, oxbows, swamps, and lakes; middle and west Tennessee; obscure.	(Troost, in Harlan, 1835) WR, CB, CP, WU, MF	D		Alligator Snapping Turtle S2S3	G3G4
Nerodia cyclopi Marshes, swamps, bayous, shallow lakes and ponds, wet prairies, oxbows and floodplain sloughs; far west Tennessee.	(Dumeril, Bibron, and Dumeril, 1854) CP, MF	D		Mississippi Green Watersnake S2	G5
Nerodia erythrogaster neglecta Warm, quiet waters; wooded lakes, streams, sloughs; northern middle Tennessee; lower Cumberland & Tennessee river watersheds.	(Conant, 1949) WR, WU			Copperbelly Watersnake S2S3	G5T3
Ophisaurus attenuatus longicaudus Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	McConkey, 1852 WR, ER, CB, RV, CP, WU, BR, CU	D		Eastern Slender Glass Lizard S3	G5T5
Pituophis melanoleucus melanoleucus Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	(Daudin, 1803) WR, ER, RV, CP, WU, BR, CU	T		Northern Pinesnake S3	G4T4

HABITAT	PHYSIOGRAPHIC PROVINCES	STATE STATUS	FEDERAL STATUS	SRANK	GRANK
Plestiodon anthracinus					Coal Skink
Humid wooded areas with abundant leaf litter and loose rocks; vicinity of springs, swamps, and bogs; spotty distribution.	WU, BR	D		S1	G5
Sistrurus miliarius streckeri	Gloyd, 1935				Western Pygmy Rattlesnake
Usually near water in river floodplains, swamps, marshes, and wet prairies; occas drier wooded uplands; W half of Tenn., generally.	WR, CB, CP, WU, SC	T		S2S3	G5T5