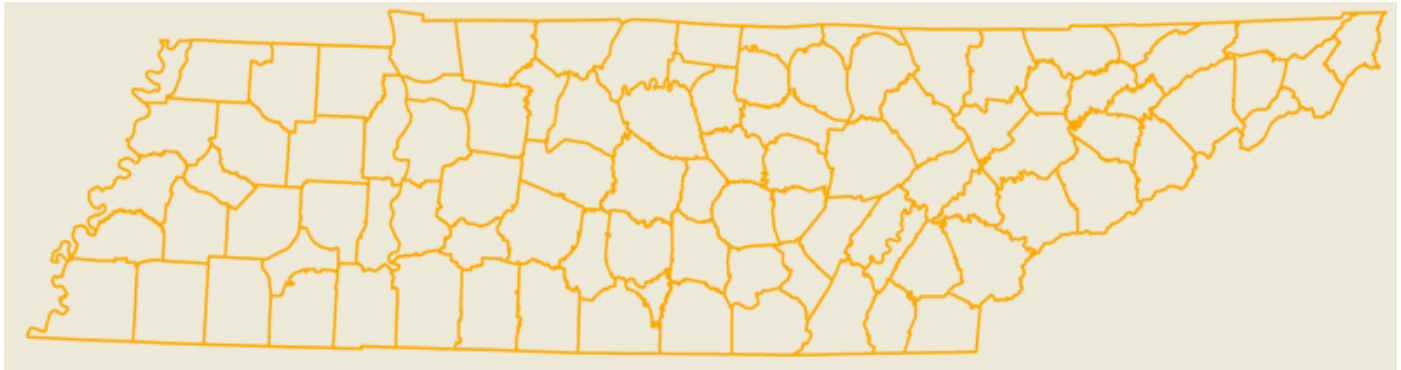




Tennessee Natural Heritage Program Rare Species Observations For Tennessee Counties



This document provides lists of rare species known to occur within each of Tennessee's counties.

If you are viewing the list in its original digital format and you have an internet connection, you may click the scientific names to search the NatureServe Explorer Encyclopedia of Life for more detailed species information.

The following lists were last updated in July 2009 and are based on rare species observations stored in the Tennessee Natural Heritage Biotics Database maintained by the TDEC Natural Heritage Program. For definitions of ranks and protective status, or for instructions on obtaining a site specific project review, please visit our website:

<http://state.tn.us/environment/na/data.shtml>

If you need assistance using the lists or interpreting data, feel free to contact us:

Natural Heritage Program
Tennessee Department of Environment and Conservation
7th Floor L&C Annex
401 Church Street
Nashville, Tennessee 37243
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The lists provided are intended for use as planning tools. Because many areas of the state have not been searched for rare species, the lists should not be used to determine the absence of rare species. The lists are best used in conjunction with field visits to identify the types of rare species habitat that may be present at a given location. For projects that are located near county boundaries or are in areas of the state that have been under-surveyed (particularly in western Tennessee), we recommend that you check rare species lists for adjacent counties or watersheds as well.

In Tennessee, TDEC assumes the role for listing rare plants while the Tennessee Wildlife Resources Agency (TWRA) is responsible for listing rare animal species. Both TDEC and TWRA purchase lands to conserve rare species. TWRA also enforces laws regulating the impacts to rare animals. Land disturbance and water quality permits from federal, state, and some local agencies often include specific requirements protective of both rare plant and animal species. Potential impacts to rare species are also evaluated during the consideration process for state and federal grants. Finally, the US Fish and Wildlife Service is responsible for enforcement of the Endangered Species Act which protects federally listed plants and animals.



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Anderson County

Known Species: 73

Invertebrate Animals: 20		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Amergoniscus nicholasi</i>	A Cave Obligate Isopod Terrestrial cave obligate; known from two caves; Western Highland Rim and Ridge & Valley.	S1S2	G1G2	--	--
<i>Athearnia anthonyi</i>	Anthony Riversnail Larger rivers and downstream stretches of lg creeks, on cobble/boulder substrates adj. riffles; portions of upper TN River basin.	S1	G1	E	LE,XN
<i>Cambarus deweesae</i>	Valley Flame Crayfish Primary burrower; open areas with high water tables; northern Ridge & Valley.	S1	G4	E	--
<i>Cumberlandia monodonta</i>	Spectaclecase Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.	S2S3	G3	--	C
<i>Cyprogenia stegaria</i>	Fanshell Medium to large streams and rivers with coarse sand and gravel substrates; Cumberland and Tennessee river systems.	S1	G1Q	E	LE
<i>Dromus dromas</i>	Dromedary Pearlymussel Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.	S1	G1	E	LE
<i>Fusconaia cor</i>	Shiny Pigtoe Shoals and riffles of small-medium sized rivers with mod-fast current over sand-cobble substrates; upper Tennessee River watershed.	S1	G1	E	LE
<i>Fusconaia cuneolus</i>	Finerayed Pigtoe Riffles of fords and shoals of mod gradient streams in firm cobble and gravel substrates; middle & upper Tennessee River watershed.	S1	G1	E	LE
<i>Hemistena lata</i>	Cracking Pearlymussel Medium-sized rivers of mod current, deeply buried in mud, sand, gravel, and cobble substrates; Tennessee & Cumb. river systems.	S1	G1	E	LE
<i>Io fluvialis</i>	Spiny Riversnail Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	S2	G2	--	--
<i>Lampsilis abrupta</i>	Pink Mucket Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	S2	G2	E	LE
<i>Lampsilis virescens</i>	Alabama Lampmussel Found in sand and gravel substrates in shoal areas of small-medium size rivers; middle and upper TN R system; poss extirpated in TN.	S1	G1	E	LE
<i>Lemiox rimosus</i>	Birdwing Pearlymussel Small-medium size rivers in riffle areas with sand and gravel substrates in mod-fast currents; Tennessee River system.	S1	G1	E	LE
<i>Nesticus paynei</i>	A Cave Spider Terrestrial cave associate; also may be found on surface; northern Ridge & Valley.	S3	G3G4	--	--
<i>Plethobasus cicatricosus</i>	White Wartyback Presumed to inhabit shoals and riffles in large rivers; Tennessee & Cumberland river systems. Very rare & poss extirpated in TN.	S1	G1	E	LE
<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.	S1	G1	E	LE
<i>Pleurobema plenum</i>	Rough Pigtoe Medium to large rivers in sand, gravel, and cobble substrates of shoals; Tennessee & Cumberland river systems.	S1	G1	E	LE



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Anderson County . . . Continued

Known Species: 73

Invertebrate Animals: 20 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Pseudanophthalmus paynei</i>	Payne's Cave Beetle Terrestrial cave obligate; northern Ridge & Valley; reported from Anderson County.	S1	G1	--	--
<i>Pseudanophthalmus pusillus</i>	Tiny Cave Beetle Terrestrial cave obligate; northern Ridge & Valley.	S1	G1	--	--
<i>Pseudanophthalmus wallacei</i>	Wallace's Cave Beetle Terrestrial cave obligate; Ridge & Valley; Anderson County.	S1	G1	--	--
Nonvascular Plants: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Homaliadelphus sharpii</i>	Sharp's Homaliadelphus Calcareous Or Dolomite Bluffs	S1	G3?	E	--
<i>Lejeunea sharpii</i>	Sharp's Lejeunea Calcareous Bluffs, Rock & Logs Of Wet Sinks	S1S2	G2G3	E	--
<i>Palamocladium leskeoides</i>	Seepy Limestone Cliffs And Bluffs	S1	G3G5	T	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 24		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aureolaria patula</i>	Spreading False-foxglove Oak Woods And Edges	S3	G3	S	--
<i>Cimicifuga rubifolia</i>	Appalachian Bugbane Rich Woods	S3	G3	T	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Delphinium exaltatum</i>	Tall Larkspur Glades And Barrens	S2	G3	E	--
<i>Diervilla lonicera</i>	Northern Bush-honeysuckle Rocky Woodlands And Bluffs	S2	G5	T	--
<i>Draba ramosissima</i>	Branching Whitlow-grass Calcareous Bluffs	S2	G4	S	--
<i>Elodea nuttallii</i>	Nuttall's Waterweed Aquatic; Streams And Ponds	S2	G5	S	--
<i>Epilobium ciliatum</i>	Hairy Willow-herb Mountain Balds	S1	G5	T	--
<i>Fothergilla major</i>	Mountain Witch-alder Rocky Slopes And River Banks	S2	G3	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Anderson County . . . Continued

Known Species: 73

Vascular Plants: 24 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Helianthus occidentalis</i>	Naked-stem Sunflower Limestone Glades And Barrens; Roadsides	S2	G5	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Iris fulva</i>	Copper Iris Bottomlands	S2	G5	T	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Meehanian cordata</i>	Heartleaf Meehanian Wooded Mountain Slopes	S2	G5	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Parnassia grandifolia</i>	Large-leaved Grass-of-parnassus Calcareous Seeps	S3	G3	S	--
<i>Platanthera flava var. herbiola</i>	Tuberclad Rein-orchid Swamps And Floodplains	S2	G4T4Q	T	--
<i>Pycnanthemum torrei</i>	Torrey's Mountain-mint Barrens	S1	G2	S	--
<i>Silphium wasiotense</i>	Kentucky Rosinweed Moist Slopes	S2	G3	E	--
<i>Solidago ptarmicoides</i>	Prairie Goldenrod Barrens	S1S2	G5	E	--
<i>Sullivantia sullivantii</i>	Sullivantia Moist Shaded Cliffs	S1	G4	E	--
<i>Thuja occidentalis</i>	Northern White Cedar Calcareous Rocky Seeps, Cliffs	S3	G5	S	--
Vertebrate Animals: 25		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Anderson County . . . Continued

Known Species: 73

Vertebrate Animals: 25 . . . Continued	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Desmognathus walteri</i>	Black Mountain Salamander Spring runs and permanent streams in wooded mountainous terrain; northern Cumberlands.	S3 G4	D	--
<i>Erimonax monachus</i>	Spotfin Chub Clear upland rivers with swift currents & boulder substrates; portions of the Tennessee River watershed.	S2 G2	T	LT,XN, PXN
<i>Erimystax cahni</i>	Slender Chub Major headwater tribs to TN River with small gravel substrates & swift-moderate currents.	S1 G1	T	LT
<i>Etheostoma baileyi</i>	Emerald Darter Creeks and small rivers with riffles containing gravel or rubble; upper Cumberland drainage.	S2 G4G5	D	--
<i>Etheostoma cinereum</i>	Ashy Darter Small to medium upland rivers with bedrock or gravel substrate and boulders.	S2S3 G2G3	T	--
<i>Hemidactylium scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3 G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3 G4	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2 G3	E	LE
<i>Napaeozapus insignis</i>	Woodland Jumping Mouse Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	S4 G5	D	--
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3 G3G4	D	--
<i>Noturus flavipinnis</i>	Yellowfin Madtom Medium size to large creeks and small rivers that are unpolluted & relatively unsilted; upper Tennessee River watershed.	S1 G1	E	LT,XN
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3 G5T5	D	--
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3 G3	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3 G4T4	T	--
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4 G5	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4 G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4 G5	D	--
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4 G5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
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Anderson County . . . Continued

Known Species: 73

Vertebrate Animals: 25 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--
<i>Vermivora chrysoptera</i>	Golden-winged Warbler Early successional habitats in foothill regions of Appalachians.	S3B	G4	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Anderson --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Bedford County

Known Species: 36

Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Nashville Basin Limestone Glade</i>	Nashville Basin Limestone Glade, Barrens, and Woodland	SNR	GNR	--	--
Ecological Systems: 2		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Dalea foliosa</i> - <i>Mecardonia acuminata</i> - <i>Mitreola petiolata</i> <i>Herbaceous Vegetation</i>	Limestone Glade Streamside Meadow	S2?	G2?	--	--
<i>Eleocharis compressa</i> - <i>Schoenolirion croceum</i> - <i>Carex crawei</i> - <i>Allium cernuum</i> <i>Herbaceous Vegetation</i>	Central Basin Limestone Seep Glade	SNR	G2?	--	--
Invertebrate Animals: 5		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Gomphus sandrius</i>	Tennessee Clubtail Slow streams with bare bedrock shores; Central Basin; upper Duck River and middle Cumberland River watersheds.	S1	G1	--	--
<i>Lexingtonia dolabelloides</i>	Slabside Pearlymussel Lg creeks to mod sized rivers, in riffles/shoals of sand, fine gravel, and cobble substrates with mod current; Tennessee R watershed.	S2	G2	--	C
<i>Lithasia duttoniana</i>	Helmet Rocksnail Rocky substrates in riffle systems; bedrock in flowing water below main section of riffles; Duck River (TN River system).	S2	G2Q	--	--
<i>Lithasia geniculata fuliginosa</i>	Geniculate River Snail Medium-sized river form of <i>L. geniculata</i> ; portions of lower Cumberland and lower Tennessee river systems; Duck & Buffalo rivers.	S2	G3T3Q	--	--
<i>Obovaria subrotunda</i>	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.	S2S3	G4	--	--
Vascular Plants: 13		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Amsonia tabernaemontana</i> var. <i>gattereri</i>	Limestone Blue Star Glades, Barrens, And Rocky River Bars	S3	G5T3Q	S	--
<i>Anemone caroliniana</i>	Carolina Anemone Glades And Cedar Woodlands	S1S2	G5	E	--
<i>Arnoglossum plantagineum</i>	Fen Indian-plantain Moist Prairies And Marshes	S2	G4G5	T	--
<i>Astragalus tennesseensis</i>	Tennessee Milk-vetch Glades	S3	G3	S	--
<i>Dalea foliosa</i>	Leafy Prairie-clover Rocky Washes In Glades	S2S3	G2G3	E	LE
<i>Leavenworthia exigua</i> var. <i>exigua</i>	Glade-cress Glades	S3	G4T3	S	--
<i>Lesquerella densipila</i>	Duck River Bladderpod Cultivated Fields	S3	G3	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Bedford County . . . Continued **Known Species: 36**

Vascular Plants: 13 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Oenothera macrocarpa</i>	Missouri Primrose Limestone Cedar Glades	S2	G5	T	--
<i>Polygala boykinii</i>	Boykin's Milkwort Glades	S2	G4	T	--
<i>Rosa virginiana</i>	Virginia Rose Limestone Barrens And Swamps	SH	G5	S	--
<i>Schoenolirion croceum</i>	Yellow Sunnysbell Wet Areas In Glades	S3	G4	T	--
<i>Talinum calcaricum</i>	Limestone Fame-flower Glades	S3	G3	S	--
<i>Trifolium calcaricum</i>	Running Glade Clover Glades, Cedar Woods, And Thickets	S1	G1	E	--
Vertebrate Animals: 15		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Etheostoma aquali</i>	Coppercheek Darter Primarily in deep riffles, runs, and flowing pools; Duck and Buffalo River watersheds.	S2S3	G2G3	T	--
<i>Etheostoma cinereum</i>	Ashy Darter Small to medium upland rivers with bedrock or gravel substrate and boulders.	S2S3	G2G3	T	--
<i>Etheostoma denoncourti</i>	Golden Darter Medium to large rivers in shallow riffle areas of pea gravel; Tennessee River system.	S2	G2	--	--
<i>Etheostoma luteovinctum</i>	Redband Darter Limestone streams; Nashville Basin & portions of Highland Rim.	S4	G4	D	--
<i>Etheostoma striatulum</i>	Striated Darter Bedrock pools of headwaters and creeks with large slabrock cover; upper Duck River watershed.	S1	G1	T	--
<i>Gyrinophilus palleucus</i>	Tennessee Cave Salamander Aquatic cave obligate; cave streams & rimstone pools; Central Basin, Eastern Highland Rim, & Cumberland Plateau.	S2	G2G3	T	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Notropis rupestris</i>	Bedrock Shiner Bedrock pools of some low-gradient streams of the Nashville Basin.	S2	G2	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Bedford County . . . Continued

Known Species: 36

Vertebrate Animals: 15 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Noturus fasciatus</i>	Saddled Madtom Rocky riffles, runs, and flowing pools of clear creeks & small rivers; Duck River system and nearby tributaries of the Tennessee River.	S2	G2	T	--
<i>Percina macrocephala</i>	Longhead Darter Clear, larger upland creeks and small-med rivers, usually in rocky flowing pools upst/dnst rubble riffles; Tenn & Cumb river watersheds.	S2	G3	T	--
<i>Percina phoxocephala</i>	Slenderhead Darter Small-large rivers with moderate gradient in shoal areas with moderate-swift currents; portions of Tenn & Cumb river watersheds.	S3	G5	D	--

-- End of Bedford --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Benton County

Known Species: 18

Invertebrate Animals: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Lampsilis abrupta</i>	Pink Mucket Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	S2	G2	E	LE
<i>Obovaria retusa</i>	Ring Pink Large rivers in gravel and sand bars; Tennessee & Cumberland river watersheds; many historic locations currently inundated.	S1	G1	E	LE
<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.	S1	G1	E	LE
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 5		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carex reniformis</i>	Reniform Sedge Rich Bottomland Woods	S1	G4?	S	--
<i>Eryngium integrifolium</i>	Blue-flower Coyote-thistle Wet Barrens	S1	G5	T	--
<i>Fuirena squarrosa</i>	Hairy Umbrella-sedge Stream And Lake Margins	S1	G4G5	S	--
<i>Lysimachia fraseri</i>	Fraser's Loosestrife Dry Open Woods	S2	G3	E	--
<i>Phlox pilosa ssp. ozarkana</i>	Ozark Downy Phlox Rocky, Dry Open Woods	S1S2	G5T4?	S	--
Vertebrate Animals: 9		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Egretta caerulea</i>	Little Blue Heron Bodies of calm shallow water; colonial nester.	S2B,S3N	G5	D	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Macrochelys temminckii</i>	Alligator Snapping Turtle Slow moving, deep water of rivers, sloughs, oxbows, swamps, and lakes; middle and west Tennessee; obscure.	S2S3	G3G4	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Percina phoxocephala</i>	Slenderhead Darter Small-large rivers with moderate gradient in shoal areas with moderate-swift currents; portions of Tenn & Cumb river watersheds.	S3	G5	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Benton County . . . Continued

Known Species: 18

Vertebrate Animals: 9 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Sistrurus miliarius streckeri</i>	Western Pygmy Rattlesnake Usually near water in river floodplains, swamps, marshes, and wet prairies; occas drier wooded uplands; W half of Tenn., generally.	S2S3	G5T5	T	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Benton --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Bledsoe County

Known Species: 35

Invertebrate Animals: 6		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Anthrobia mammouthia</i>	Mammoth Cave spider Terrestrial cave obligate; reported from a handful of caves in the middle Cumberlands; Bledsoe, Grundy, & Van Buren counties.	S1	G5	--	--
<i>Caecidotea circulus</i>	A Cave Obligate Isopod Aquatic cave obligate; Cumberland Plateau.	S1	G1G2	--	--
<i>Cambarus hamulatus</i>	Prickly Cave Crayfish Aquatic cave obligate; Sequatchie Valley & southern Cumberlands.	S3	G3G4	--	--
<i>Cambarus pristinus</i>	Pristine Crayfish Under cover in small-large size streams; headwaters of Caney Fork River & abutting Sequatchie River tributaries; Cumberland Plateau.	S2	G2	E	--
<i>Helicodiscus hexodon</i>	Toothy Coil In leaf litter of forested hillsides; escarpment to Walden Ridge from Sequatchie Valley; Cumberland Plateau; Bledsoe County.	S1	G1	--	--
<i>Kleptochthonius charon</i>	A Cave Obligate Pseudoscorpion Terrestrial cave obligate; Sequatchie Valley.	S1S2	G1G2	--	--
Vascular Plants: 22		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Agalinis auriculata</i>	Earleaved False-foxglove Barrens	S2	G3	E	--
<i>Amelanchier sanguinea</i>	Roundleaf Shadbush Rocky Slopes And River Banks	S2	G5	T	--
<i>Calopogon oklahomensis</i>	Oklahoma Grass-pink Acidic Wet Barrens	SH	G4?	E-P	--
<i>Drosera capillaris</i>	Pink Sundew Acidic Wetlands	S1	G5	T	--
<i>Epilobium ciliatum</i>	Hairy Willow-herb Mountain Balds	S1	G5	T	--
<i>Fimbristylis puberula</i>	Hairy Fimbristylis Wet Prairies And Woods	S1S2	G5	T	--
<i>Helianthus occidentalis</i>	Naked-stem Sunflower Limestone Glades And Barrens; Roadsides	S2	G5	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Listera australis</i>	Southern Twayblade Wet-Mesic Woods	S1S2	G4	E	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Bledsoe County . . . Continued

Known Species: 35

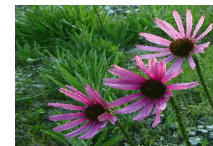
Vascular Plants: 22 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Pedicularis lanceolata</i>	Swamp Lousewort Wet Acidic Barrens And Seeps	S1S2	G5	S	--
<i>Platanthera integrilabia</i>	White Fringeless Orchid Acidic Seeps And Stream Heads	S2S3	G2G3	E	C
<i>Poa saltuensis</i>	Drooping Bluegrass Rich Oak Woods	S1	G5	T	--
<i>Potamogeton epihydrus</i>	Nuttall's Pondweed Lakes And Streams	S1S2	G5	S	--
<i>Potamogeton tennesseensis</i>	Tennessee Pondweed Slow Acidic Streams	S2	G2	T	--
<i>Rhynchospora wrightiana</i>	Wright's Beak-rush Wet Pine Barrens	SH	G5	E-P	--
<i>Scutellaria montana</i>	Large-flowered Skullcap Escarpments, Dry Woods	S2	G3	T	LT
<i>Spiraea virginiana</i>	Virginia Spiraea Stream Bars And Ledges	S2	G2	E	LT
<i>Talinum mengesii</i>	Menge's Fame-flower Dry Rock Ledges	S2	G3	T	--
<i>Viola tripartita var. tripartita</i>	Three-parted Violet Wooded Slopes	S2S3	G5T3	S	--

Vertebrate Animals: 7		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Hemidactylium scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Phoxinus saylora</i>	Laurel Dace Cool 1st-2nd order streams with slabrock and rubble substrate; Walden Ridge of the Cumberland Plateau; Tennessee River watershed.	S1	G1	E	C
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--

-- End of Bledsoe --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Blount County **Known Species: 90**

Ecological Systems: 1 St. Rank Global Rank St. Prot. Fed. Prot.

Appalachian Shale Barrens Appalachian Shale Barrens SNR GNR -- --

Ecological Systems: 2 St. Rank Global Rank St. Prot. Fed. Prot.

Arundinaria gigantea ssp. gigantea Shrubland Floodplain Canebreak SNR G2? -- --

Pinus echinata / Schizachyrium scoparium Appalachian Woodland Shortleaf Pine / Little Bluestem Appalachian Woodland SNR G2 -- --

Invertebrate Animals: 9 St. Rank Global Rank St. Prot. Fed. Prot.

Caecidotea incurva Incurved Cave Isopod S1 G2G4 -- --
Aquatic cave obligate; known from two wet caves in east Tennessee.

Fusconaia cuneolus Finerayed Pigtoe S1 G1 E LE
Riffles of fords and shoals of mod gradient streams in firm cobble and gravel substrates; middle & upper Tennessee River watershed.

Macromia margarita Mountain River Cruiser S2S3 G3 -- --
Typically small mountain streams, usually rocky but with silt deposits; reported from Campbell & Blount counties.

Nesticus barrowsi A Cave Obligate Spider S1S2 G1G2 -- --
Terrestrial cave obligate; Appalachian Mountains.

Ophiogomphus alleghaniensis Allegheny Snaketail S1 G3T2T3 -- --
Riffle areas of spring-fed streams; Cumberland Plateau, Ridge & Valley, & Blue Ridge; not watershed specific.

Pilsbryna aurea Ornate Bud S1 G1 -- --
Deep, wet leaves of karstic forests & hills, near streams; assoc. with limestone/dolomite outcrops; Unicoi, Washington, & Blount cos.

Stygobromus fecundus A Cave Amphipod S1 G1G2 -- --
Aquatic cave obligate, from rimstone pools; Cades Cove; Great Smoky Mountains National Park.

Stygobromus sparsus A Cave Obligate Amphipod S1 G4 -- --
Aquatic cave obligate, from drip pools; Cades Cove; Great Smoky Mountains National Park.

Trechus tonitru A Carabid Beetle S1 GNR -- --
Terrestrial; known only from summit of Thunderhead; high elevation; Great Smoky Mountains National Park; Blount County.

Nonvascular Plants: 7 St. Rank Global Rank St. Prot. Fed. Prot.

Lejeunea blomquistii Blomquist Leafy Liverwort S1S2 G1G2 S --
Mid Elev. Gorges On Rock Or Bark

Lejeunea sharpii Sharp's Lejeunea S1S2 G2G3 E --
Calcareous Bluffs, Rock & Logs Of Wet Sinks

Lophocolea appalachiana A Liverwort S1 G1G2Q S --
Spray Cliffs



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Blount County . . . Continued

Known Species: 90

Nonvascular Plants: 7 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Mnium carolinianum</i>	Carolina Mnium Rocks & Streambanks In Humid Gorges	S1	G3	S	--
<i>Porella sp. 1</i>	Hot Porella Wet Calcareous Rock	S1	G1	E	--
<i>Porella wataugensis</i>	Watauga Porella Moist Boulders & Cliffs, Phyllite	S1S2	G1G2Q	T	--
<i>Radula voluta</i>	A Liverwort Shady Moist Boulders By Waterfalls Or Sreams	S2	G3	S	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 41		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acer leucoderme</i>	Chalk Maple Circumneutral Rocky Woods	S3	G5	S	--
<i>Adlumia fungosa</i>	Climbing Fumitory Rich Mesic Woods	S2	G4	T	--
<i>Agalinis setacea</i>	Thread-leaved Gerardia Barrens, Dry Sandy Soil	SH	G5?	S	--
<i>Amelanchier sanguinea</i>	Roundleaf Shadbush Rocky Slopes And River Banks	S2	G5	T	--
<i>Campanula aparinoides</i>	Marsh Bellflower Bogs	S2	G5	S	--
<i>Cardamine flagellifera</i>	Running Bittercress Mountain Stream Banks	S2	G3	T	--
<i>Cardamine rotundifolia</i>	Round-leaf Watercress Mucky Wetlands And Seeps	S2S3	G4	S	--
<i>Cimicifuga rubifolia</i>	Appalachian Bugbane Rich Woods	S3	G3	T	--
<i>Clematis glaucophylla</i>	White-leaved Leatherflower Wooded Stream Banks	S1	G4?	E	--
<i>Crotalaria purshii</i>	Pursh's Rattlebox Open Piney Woods	SH	G5	E-P	--
<i>Cymophyllus fraserianus</i>	Fraser's Sedge Mixed Mesophytic Forests	S3	G4	S	--
<i>Desmodium ochroleucum</i>	Creamflower Tick-trefoil Sandy Dry Woods	S1	G1G2	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Blount County . . . Continued

Known Species: 90

Vascular Plants: 41 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Draba ramosissima</i>	Branching Whitlow-grass Calcareous Bluffs	S2	G4	S	--
<i>Helianthemum bicknellii</i>	Plains Frostweed Dry Ridges	SH	G5	E-P	--
<i>Helianthemum canadense</i>	Canada Frostweed Dry Ridges	SH	G5	E-P	--
<i>Hypericum mitchellianum</i>	Blue Ridge St. John's-wort High Elevation, Moist Woods	S2	G3	T	--
<i>Isoetes tennesseensis</i>	Hiwassee Quillwort Rocky River Banks	S1	G1	E	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lycopodium annotinum</i>	Stiff Clubmoss High Elevation Acidic/Mesic Woods	SH	G5	E-P	--
<i>Monotropsis odorata</i>	Sweet Pinesap Piney Woods	S2	G3	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Pilularia americana</i>	American Pillwort Lake Drawdown Zones	S1S2	G5	S	--
<i>Platanthera flava var. herbiola</i>	Tuberclad Rein-orchid Swamps And Floodplains	S2	G4T4Q	T	--
<i>Poa saltuensis</i>	Drooping Bluegrass Rich Oak Woods	S1	G5	T	--
<i>Polygonum cilinode</i>	Fringed Black Bindweed Dry Rocky Woods And Thickets	S1S2	G5	T	--
<i>Potamogeton amplifolius</i>	Large-leaf Pondweed Lakes And Streams	S1	G5	T	--
<i>Potamogeton epihydrus</i>	Nuttall's Pondweed Lakes And Streams	S1S2	G5	S	--
<i>Potamogeton tennesseensis</i>	Tennessee Pondweed Slow Acidic Streams	S2	G2	T	--
<i>Prunus virginiana</i>	Choke Cherry Moist Coves And Slopes	S1	G5	S	--
<i>Pycnanthemum torrei</i>	Torrey's Mountain-mint Barrens	S1	G2	S	--
<i>Scutellaria saxatilis</i>	Rock Skullcap Rocky Woods And Moist Cliffs	S3	G3	T	--
<i>Sparganium androcladum</i>	Branching Bur-reed Slow Flowing Streams And Rivers, Ponds	S1	G4G5	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Blount County . . . Continued

Known Species: 90

Vascular Plants: 41 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Spiraea virginiana</i>	Virginia Spiraea Stream Bars And Ledges	S2	G2	E	LT
<i>Stachys clingmanii</i>	Clingman's Hedge-nettle Mountain Clearings And Meadows	S1S2	G2Q	T	--
<i>Stellaria longifolia</i>	Longleaf Stitchwort Bogs	S1	G5	E	--
<i>Tetragonotheca helianthoides</i>	Pineland Squarehead Dry Open Woods	SH	G5	E-P	--
<i>Trichomanes petersii</i>	Dwarf Filmy-fern Rocky Seeps	S2	G4G5	T	--
<i>Trifolium reflexum</i>	Buffalo Clover Rocky Open Woods	S1	G3G4	E	--
<i>Trillium rugelii</i>	Southern Nodding Trillium Rich Mountain Woods	S2	G3	E	--
<i>Woodwardia virginica</i>	Virginia Chainfern Acidic Wetlands	S2	G5	S	--
<i>Xerophyllum asphodeloides</i>	Eastern Turkeybeard Dry Oak Or Piney Woods	S3	G4	T	--

Vertebrate Animals: 29		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Clinostomus funduloides ssp. 1</i>	Smoky Dace Upland tributaries of Little Tennessee River; east Tennessee.	S1S2	G5T3Q	D	--
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Erimonax monachus</i>	Spotfin Chub Clear upland rivers with swift currents & boulder substrates; portions of the Tennessee River watershed.	S2	G2	T	LT,XN, PXN
<i>Etheostoma cinereum</i>	Ashy Darter Small to medium upland rivers with bedrock or gravel substrate and boulders.	S2S3	G2G3	T	--
<i>Etheostoma percnurum</i>	Duskytail Darter Gently flowing pools near riffles; larger creeks and medium size rivers; Tennessee & Cumberland river drainages.	S1	G2	E	LE,XN
<i>Glaucomys sabrinus coloratus</i>	Carolina Northern Flying Squirrel Spruce-fir or mature hardwood forest with snags; in tree cavities or leaf nests; higher elevations of the Appalachians.	S1S2	G5T1	E	LE
<i>Hemidactylium scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Blount County . . . Continued

Known Species: 90

Vertebrate Animals: 29 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ixobrychus exilis</i>	Least Bittern Marshes with scattered bushes or other woody growth; readily uses artificial wetland habitats.	S2B	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Napaeozapus insignis</i>	Woodland Jumping Mouse Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	S4	G5	D	--
<i>Neotoma floridana haematoreia</i>	Southern Appalachian Woodrat Forests & talus slopes in southern Appalachians of southeastern Tennessee.	S2	G5T4Q	D	--
<i>Noturus baileyi</i>	Smoky Madtom Clear, cool, rocky riffles, runs, and flowing pools of mountain creeks; lower Little Tennessee River system.	S1	G1	E	LE,XN
<i>Noturus flavipinnis</i>	Yellowfin Madtom Medium size to large creeks and small rivers that are unpolluted & relatively unsilted; upper Tennessee River watershed.	S1	G1	E	LT,XN
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Parascalops breweri</i>	Hairy-tailed Mole Moist soils in deciduous forests with thick humus; east Tennessee.	S3	G5	D	--
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--
<i>Percina burtoni</i>	Blotchside Logperch Large creeks and small-medium rivers with low turbidity and gravel-cobble substrates; Tennessee & Cumberland river watersheds.	S2	G2G3	D	--
<i>Percina macrocephala</i>	Longhead Darter Clear, larger upland creeks and small-med rivers, usually in rocky flowing pools upst/dnst rubble riffles; Tenn & Cumb river watersheds.	S2	G3	T	--
<i>Percina tanasi</i>	Snail Darter Sand and gravel shoals of moderately flowing, vegetated, large creeks; upper Tennessee River watershed.	S2S3	G2G3	T	LT
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Rallus elegans</i>	King Rail Marshes, upland-wetland marsh edges, flooded farmlands, shrub swamps.	S2	G4	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Blount County . . . Continued

Known Species: 90

Vertebrate Animals: 29 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Sphyrapicus varius</i>	Yellow-bellied Sapsucker Deciduous or mixed deciduous-coniferous forest; winters statewide and breeds in Appalachian Mountains.	S1B,S4N	G5	D	--
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--

-- End of Blount --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Bradley County

Known Species: 35

Invertebrate Animals: 12		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cambarus cymatilis</i>	Conasauga Blue Burrower Primary burrower; seeps & wet grassy areas including homesites; Conasauga R watershed and adjacent portion of Hiwassee R basin.	S1	G1	E	--
<i>Cambarus sp. 2</i>	Cocoa Crayfish Primary burrower; seeps & wet grassy areas incl homesites; Conasauga R watershed and adj Hiwassee R basin; Bradley County. 	S1S2	GNR	--	--
<i>Gomphus consanguis</i>	Cherokee Clubtail Small, spring-fed streams w/sand, gravel & fine detritus substrate in partly shaded to open areas; Ridge & Valley.	S1	G2G3	--	--
<i>Hamiota altilis</i>	Finelined Pocketbook Creeks/small rivers with substrates of sand, mud, & gravel, & mod current; Conasauga River & Coahulla Ck; Polk & Bradley counties.	S1S2	G2	T	LT
<i>Medionidus acutissimus</i>	Alabama Moccasinshell Small-large rivers in gravel & cobble shoals in shallow water with mod strong current; Conasauga River; Polk County.	S1	G2	T	LT
<i>Medionidus parvulus</i>	Coosa Moccasinshell Highly oxygenated streams & small rivers with moderate to strong flow, in sand and gravel; Conasauga River, Polk County.	S1	G1Q	E	LE
<i>Ophiogomphus alleghaniensis</i>	Allegheny Snaketail Riffle areas of spring-fed streams; Cumberland Plateau, Ridge & Valley, & Blue Ridge; not watershed specific.	S1	G3T2T3	--	--
<i>Pleurobema georgianum</i>	Southern Pigtoe High quality small rivers & large streams; shoals and runs with stable sandy-gravel substrates; Conasauga River; Polk & Bradley cos.	S1	G1	E	LE
<i>Pleurobema perovatum</i>	Ovate Clubshell Sand/gravel shoals and runs of small rivers and large streams with moderate current; Conasauga River; Polk County.	SH	G1	E	LE
<i>Ptychobranthus greenii</i>	Triangular Kidneyshell Medium sized rivers with good current and coarse sand/gravel substrates; Conasauga River; Bradley & Polk counties.	S1	G1Q	E	LE
<i>Strophitus connasaugaensis</i>	Alabama Creekmussel Small-medium sized rivers, in shallow areas with current and substrates of fine gravel, sand, & silt; Conasauga River; Polk County.	S1	G3	--	--
<i>Villosa vibex</i>	Southern Rainbow Mud or soft sand in small rivers & creeks in areas with moderate current; Conasauga, Hatchie, and Wolf (Miss. R.) river systems.	S2	G5Q	--	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 10		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aureolaria patula</i>	Spreading False-foxglove Oak Woods And Edges	S3	G3	S	--
<i>Eryngium integrifolium</i>	Blue-flower Coyote-thistle Wet Barrens	S1	G5	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Bradley County . . . Continued

Known Species: 35

Vascular Plants: 10 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Helianthus occidentalis</i>	Naked-stem Sunflower Limestone Glades And Barrens; Roadsides	S2	G5	S	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lysimachia quadriflora</i>	Four-flowered Loosestrife Spring Runs, Fens	S1	G5?	S	--
<i>Pedicularis lanceolata</i>	Swamp Lousewort Wet Acidic Barrens And Seeps	S1S2	G5	S	--
<i>Polygala mariana</i>	Maryland Milkwort Sandy Alluvial Woods And Disturbed Areas	S1	G5	S	--
<i>Rhynchospora caduca</i>	Falling Beaked-rush Marshes, Wet Ground	S1	G5	S	--
<i>Silphium pinnatifidum</i>	Southern Prairie-dock Barrens	S2	G3Q	T	--
<i>Smilax laurifolia</i>	Laurel-leaf Greenbrier Wet Woods And Swamps	S1	G5	S	--
Vertebrate Animals: 12		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cyprinella caerulea</i>	Blue Shiner Cool, clear, small to medium-sized rivers over firm substrates.	S1	G2	E	LT
<i>Etheostoma brevirostrum</i>	Holiday Darter Bedrock & gravel pools of creeks and small to medium rivers; Conasauga River watershed.	S1	G2	T	--
<i>Etheostoma ditrema</i>	Coldwater Darter Limestone springs and slow spring runs; Conasauga River watershed.	S1	G1G2	T	--
<i>Etheostoma trisella</i>	Trispot Darter Slackwater areas along margins of the Conasauga River & some tributaries; Conasauga River watershed.	S1	G1	T	--
<i>Hybopsis lineapunctata</i>	Lined Chub Small upland creeks with sandy substrates; Conasauga River watershed.	S1	G3G4	D	--
<i>Ichthyomyzon gagei</i>	Southern Brook Lamprey Gravel and sand riffles and runs of small rivers and creeks; Conasauga & lower Tennessee river watersheds.	S1	G5	D	--
<i>Ixobrychus exilis</i>	Least Bittern Marshes with scattered bushes or other woody growth; readily uses artificial wetland habitats.	S2B	G5	D	--
<i>Macrhybopsis sp. 1</i>	Coosa Chub In swift currents over gravel substrates; Conasauga River.	S1	G3G4	--	--
<i>Noturus munitus</i>	Frecklebelly Madtom In moderate-swift currents of main channel of Conasauga River over a variety of substrates.	S1	G3	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Bradley County . . . Continued

Known Species: 35

Vertebrate Animals: 12 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Percina antesella</i>	Amber Darter Main channel of Conasauga River in flowing pools & deeper runs with clean substrates of sand, gravel, scattered boulders.	S1	G1G2	E	LE
<i>Percina jenkinsi</i>	Conasauga Logperch Deep gravel runs or pools with small stones & sandy bottoms; Conasauga and Jacks rivers; Conasauga River watershed.	S1	G1	E	LE
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--

-- End of Bradley --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Campbell County

Known Species: 66

Invertebrate Animals: 8		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Athearnia anthonyi</i>	Anthony Riversnail Larger rivers and downstream stretches of lg creeks, on cobble/boulder substrates adj. riffles; portions of upper TN River basin.	S1	G1	E	LE,XN
<i>Cambarus deweesae</i>	Valley Flame Crayfish Primary burrower; open areas with high water tables; northern Ridge & Valley.	S1	G4	E	--
<i>Dromus dromas</i>	Dromedary Pearlymussel Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.	S1	G1	E	LE
<i>Gomphus consanguis</i>	Cherokee Clubtail Small, spring-fed streams w/sand, gravel & fine detritus substrate in partly shaded to open areas; Ridge & Valley.	S1	G2G3	--	--
<i>Io fluvialis</i>	Spiny Riversnail Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	S2	G2	--	--
<i>Nesticus paynei</i>	A Cave Spider Terrestrial cave associate; also may be found on surface; northern Ridge & Valley.	S3	G3G4	--	--
<i>Pseudanophthalmus scutillus</i>	A Cave Obligate Beetle Terrestrial cave obligate; Cumberland Mountains.	S1	G1	--	--
<i>Pseudanophthalmus sidus</i>	Meredith Cave Beetle Terrestrial cave obligate; northern Ridge & Valley.	S1	G1	--	--
<hr/>					
Nonvascular Plants: 7		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Bryoxiphium norvegicum</i>	Sword Moss Sandstone Rockhouses And Shaded Outcroppings	S1	G5?	T	--
<i>Drepanolejeunea appalachiana</i>	A Liverwort Tree Bark, 2000-4500 Ft.	S1	G2?	S	--
<i>Homaliadelphus sharpii</i>	Sharp's Homaliadelphus Calcareous Or Dolomite Bluffs	S1	G3?	E	--
<i>Jungermannia fossombronioides</i>	 Low Elevation Rocky Streams	S1	G4	S	--
<i>Lejeunea blomquistii</i>	Blomquist Leafy Liverwort Mid Elev. Gorges On Rock Or Bark	S1S2	G1G2	S	--
<i>Metzgeria uncigera</i>	Metzgeria Bark Of American Holly	S1	G3	S	--
<i>Palamocladium leskeoides</i>	 Seepy Limestone Cliffs And Bluffs	S1	G3G5	T	--
<hr/>					
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
<hr/>					
Vascular Plants: 20		St. Rank	Global Rank	St. Prot.	Fed. Prot.



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Campbell County . . . Continued

Known Species: 66

Vascular Plants: 20 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Adlumia fungosa</i>	Climbing Fumitory Rich Mesic Woods	S2	G4	T	--
<i>Aureolaria patula</i>	Spreading False-foxglove Oak Woods And Edges	S3	G3	S	--
<i>Cardamine rotundifolia</i>	Round-leaf Watercress Mucky Wetlands And Seeps	S2S3	G4	S	--
<i>Carex gravida</i>	Heavy Sedge Rocky River Bluffs	S1	G5	S	--
<i>Corydalis sempervirens</i>	Pale Corydalis Dry Or Rocky Woods	S1S2	G4G5	E	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Eleocharis intermedia</i>	Matted Spike-rush Wet Areas	S1	G5	E	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lonicera dioica</i>	Mountain Honeysuckle Mountain Woods And Thickets	S2	G5	S	--
<i>Meehania cordata</i>	Heartleaf Meehania Wooded Mountain Slopes	S2	G5	T	--
<i>Melanthium woodii</i>	Ozark Bunchflower Rich Wooded Slopes	S1	G5	E	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Parnassia grandifolia</i>	Large-leaved Grass-of-parnassus Calcareous Seeps	S3	G3	S	--
<i>Rhamnus alnifolia</i>	Alderleaf Buckthorn Swamps, Low Woods	S1	G5	E	--
<i>Rhynchospora capillacea</i>	Horned Beakrush Limestone Creek Banks	SH	G4	E-P	--
<i>Silphium wasiotense</i>	Kentucky Rosinweed Moist Slopes	S2	G3	E	--
<i>Sullivantia sullivanii</i>	Sullivantia Moist Shaded Cliffs	S1	G4	E	--
<i>Thuja occidentalis</i>	Northern White Cedar Calcareous Rocky Seeps, Cliffs	S3	G5	S	--
<i>Trichomanes boschianum</i>	Bristle-fern Rocky Seeps	S1S2	G4	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Campbell County . . . Continued

Known Species: 66

Vertebrate Animals: 30		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Accipiter striatus</i>	Sharp-shinned Hawk Forests and open woodlands.	S3B,S4N	G5	D	No Status
<i>Aneides aeneus</i>	Green Salamander Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	S3S4	G3G4	--	--
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Desmognathus welteri</i>	Black Mountain Salamander Spring runs and permanent streams in wooded mountainous terrain; northern Cumberlands.	S3	G4	D	--
<i>Etheostoma baileyi</i>	Emerald Darter Creeks and small rivers with riffles containing gravel or rubble; upper Cumberland drainage.	S2	G4G5	D	--
<i>Etheostoma cinereum</i>	Ashy Darter Small to medium upland rivers with bedrock or gravel substrate and boulders.	S2S3	G2G3	T	--
<i>Etheostoma sagitta</i>	Arrow Darter Smaller streams of northern Cumberland Plateau & Cumberland Mountains; Cumberland River watershed.	S2	G3G4	D	--
<i>Etheostoma susanae</i>	Cumberland Darter Creeks in the upper Cumberland River watershed of the Cumberland Mountains; extremely rare.	S1	G1G2	E	C
<i>Hemidactylium scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis leibii</i>	Eastern Small-footed Myotis Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.	S2S3	G3	D	--
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Napaeozapus insignis</i>	Woodland Jumping Mouse Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	S4	G5	D	--
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--



**Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties**



Campbell County . . . Continued

Known Species: 66

Vertebrate Animals: 30 . . . Continued	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Notropis albizonatus</i>	Palezone Shiner	SH	G1	E	LE
	Large upland creeks and small rivers in quiet waters and flowing pools; possibly extirpated from TN.				
<i>Notropis buccatus</i>	Silverjaw Minnow	S1	G5	T	--
	Small creeks & large rivers with moderate current & sandy substrates; upper Cumberland River watershed; poss. introd. Stones River.				
<i>Notropis rubellus</i>	Rosyface Shiner	S2	G5	D	--
	Clear, swift, large creeks with bottoms of clean gravel or rubble; tribs to Cumberland River upst Cumberland Falls.				
<i>Parascalops breweri</i>	Hairy-tailed Mole	S3	G5	D	--
	Moist soils in deciduous forests with thick humus; east Tennessee.				
<i>Phoxinus Cumberlandensis</i>	Blackside Dace	S2	G2	T	LT
	Small upland tributaries with sand, sandstone, and shale substrates in unsilted conditions; upper Cumberland R. watershed.				
<i>Plethodon wehrlei</i>	Wehrle's Salamander	S1	G4	D	--
	Sheltered areas in mesic hardwood forests; Cumberland Mountains; Campbell County.				
<i>Sorex cinereus</i>	Cinereus Shrew	S4	G5	D	--
	Rich woodlands of many types; open fields; middle and east Tennessee.				
<i>Sorex fumeus</i>	Smoky Shrew	S4	G5	D	--
	Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.				
<i>Sorex longirostris</i>	Southeastern Shrew	S4	G5	D	--
	Various habitats including wet meadows, damp woods, and uplands; statewide.				
<i>Synaptomys cooperi</i>	Southern Bog Lemming	S4	G5	D	--
	Marshy meadows, wet balds, & rich upland forests.				
<i>Thryomanes bewickii</i>	Bewick's Wren	S1	G5	E	--
	Brushy areas, thickets and scrub in open country, open and riparian woodland.				
<i>Vermivora chrysoptera</i>	Golden-winged Warbler	S3B	G4	D	--
	Early successional habitats in foothill regions of Appalachians.				

-- End of Campbell --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Cannon County

Known Species: 30

Invertebrate Animals: 5		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cambarus clivosus</i>	Short Mountain Crayfish Occurs in spring- or seep-fed tributaries of Caney Fork & Stones rivers; escarpment of E Highland Rim in Cannon & DeKalb counties.	S2	G2	--	--
<i>Cambarus williami</i>	Brawleys Fork Crayfish East Fork Stones River, its gravel-bottomed tributaries, and karst springs; makes short burrows in cobble; Cannon County.	S2	G2	E	--
<i>Leptoxis umbilicata</i>	Umbilicate Rocksnail Medium sized rivers & large creeks in portions of lower Cumb. and Tenn. river systems; Stones River; possibly a form or morph.	S1	G1Q	--	--
<i>Pseudanophthalmus sp. 36</i>	Millers Cave Beetle Terrestrial cave obligate; escarpment to Short Mountain; Cannon County; known from one cave in Collins R watershed.	S1?	GNR	--	--
<i>Ptomaphagus barri</i>	A Cave Obligate Beetle Terrestrial cave obligate; Cannon County.	S1S2	G2G3	--	--
Vascular Plants: 10		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Allium burdickii</i>	Narrow-leaf Ramps Rich Woods	S1S2	G4G5	T-CE	--
<i>Caulophyllum giganteum</i>	Giant Blue Cohosh Rich Woods	S1	G4G5Q	T	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Gaylussacia dumosa</i>	Dwarf Huckleberry Barrens	S3	G5	T	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Parnassia grandifolia</i>	Large-leaved Grass-of-parnassus Calcareous Seeps	S3	G3	S	--
<i>Xyris laxifolia var. iridifolia</i>	Wide-leaved Yellow-eyed Grass Pond Margins And Marshes	S2	G4G5T4T5	T	--
Vertebrate Animals: 15		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aneides aeneus</i>	Green Salamander Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	S3S4	G3G4	--	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Cannon County . . . Continued

Known Species: 30

Vertebrate Animals: 15 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aquila chrysaetos</i>	Golden Eagle Open country, open wooded country, and barren areas, especially in hilly or mountainous regions.	S1	G5	T	--
<i>Etheostoma forbesi</i>	Barrens Darter Headwaters of the Barren Fork & Hickory Creek drainages; Cumberland River watershed.	S1	G1G2	E	--
<i>Etheostoma luteovinctum</i>	Redband Darter Limestone streams; Nashville Basin & portions of Highland Rim.	S4	G4	D	--
<i>Etheostoma microlepidum</i>	Smallscale Darter Small rivers, in deep, strongly flowing riffles with gravel, boulder, and coarse rubble substrates; Cumberland River drainage.	S2	G2G3	D	--
<i>Etheostoma olivaceum</i>	Sooty Darter Small streams with slabrock on limestone bedrock; Nashville Basin tribs to Cumberland & lower Caney Fork rivers.	S3	G3	D	--
<i>Fundulus julisia</i>	Barrens Topminnow Springs, spring runs, and first- and second-order headwaters and creeks in the Barrens of Cannon, Coffee, & Warren counties.	S1	G1	E	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Notropis rupestris</i>	Bedrock Shiner Bedrock pools of some low-gradient streams of the Nashville Basin.	S2	G2	D	--
<i>Sorex hoyi</i>	American Pygmy Shrew Found in a variety of habitats, with moist sites preferred over dry areas; middle and east Tennessee.	S2	G5	--	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Cannon --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Carroll County **Known Species: 20**

Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 11		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Agalinis auriculata</i>	Earleaved False-foxglove Barrens	S2	G3	E	--
<i>Aristida ramosissima</i>	Branched Three-awn Grass Roadsides And Dry Openings	SH	G5	E-P	--
<i>Carex gravida</i>	Heavy Sedge Rocky River Bluffs	S1	G5	S	--
<i>Ceratophyllum echinatum</i>	Prickly Hornwort Slow Moving Streams	S1	G4?	S	--
<i>Chelone obliqua</i>	Red Turtlehead Alluvial Swamps, Wet Woods	S1	G4	S	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Magnolia virginiana</i>	Sweetbay Magnolia Forested Acidic Wetlands	S2	G5	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Polygonum arifolium</i>	Halberd-leaf Tearthumb Wetlands And Marshes	S1	G5	T	--
<i>Silphium laciniatum</i>	Compass Plant Barrens	S2	G5	T	--
<i>Symplocos tinctoria</i>	Horse-sugar Floodplains And Moist Ravines	S2	G5	S	--
Vertebrate Animals: 8		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Etheostoma pyrrhogaster</i>	Firebelly Darter Sand- and gravel-bottomed pools of headwaters, creeks, and small rivers; upper Coastal Plain; west Tennessee.	S2	G2G3	D	--
<i>Hyla gratiosa</i>	Barking Treefrog Low wet woods and swamps esp. with ephemeral ponds.	S3	G5	D	--
<i>Nerodia erythrogaster neglecta</i>	Copperbelly Watersnake Warm, quiet waters; wooded lakes, streams, sloughs; northern middle Tennessee; lower Cumberland & Tennessee river watersheds.	S2S3	G5T3	--	No Status
<i>Noturus gladiator</i>	Piebald Madtom Large creeks & rivers in moderate-swift currents with clean sand or gravel substrates; Mississippi River tributaries.	S3	G3	D	--
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Carroll County . . . Continued

Known Species: 20

Vertebrate Animals: 8 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Sphyrapicus varius</i>	Yellow-bellied Sapsucker Deciduous or mixed deciduous-coniferous forest; winters statewide and breeds in Appalachian Mountains.	S1B,S4N	G5	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Carroll --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Carter County

Known Species: 158

Funguss: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Gymnoderma lineare</i>	Rock Gnome Lichen Mid To High Elev. Cliffs & Rocky Streams	S1	G2	S	LE
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Ecological Systems: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Central and Southern Appalachian Spruce-Fir Forest</i>	Red Spruce - Fraser Fir Forest	SNR	GNR	--	--
<i>Southern and Central Appalachian Bog and Fen</i>	Southern and Central Appalachian Bog and Fen	S2	GNR	--	--
<i>Southern Appalachian Grass and Shrub Bald</i>	Southern Appalachian Grass and Shrub Bald	SNR	GNR	--	--
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Ecological Systems: 2		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Diphylleia cymosa - Saxifraga micranthidifolia - Laportea canadensis</i> Herbaceous Vegetation	Rich Montane Seep (Cove Type)	S2S3	G3	--	--
<i>Tilia americana var. heterophylla - Fraxinus americana - (Ulmus rubra) / Sanguinaria canadensis - (Aquilegia canadensis, Asplenium rhizophyllum)</i> Forest	Southern Appalachian Cove Forest (Rich Foothill Type)	S2S3	G2G3	--	--
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Invertebrate Animals: 20		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Caecidotea nortoni</i>	A Cave Obligate Isopod Aquatic cave obligate; eastern Ridge & Valley.	S1S2	G2G3	--	--
<i>Calohypsibius schusteri</i>	Schuster's Tardigrade Beech-maple forests @ high elevations; in mosses on beech trees; Blue Ridge; Carter County.	S1	GNR	--	--
<i>Discus bryanti</i>	Sawtooth Disc Leaf litter in rocky upland woods, under rotting logs; northeast Tennessee; Blue Ridge.	S1S2	G3	--	--
<i>Fumonelix wheatleyi</i>	Cinnamon Covert Leaf litter, logs, talus in mixed woodlands, coves @ mid-upper elevations of Blue Ridge; Blount, Carter, Cocke, Monroe, & Sevier cos.	S3	G4	--	--
<i>Hypsibius roanensis</i>	A Tardigrade Beech-maple forests @ high elevations; in lichen or mosses on beech trees; Roan Mountain; Blue Ridge; Carter County.	S1	GNR	--	--
<i>Inflectarius subpalliatius</i>	Velvet Covert Leaf litter, rotting logs, talus in mixed woodland; may be arboreal; mid to upper elevations of Blue Ridge; Carter & Unicoi counties.	S2	G2	--	--
<i>Mesomphix rugeli</i>	Wrinkled Button Under leaf litter on wooded hillsides; far NE Tennessee; S Blue Ridge.	S3	G4	--	--
<i>Microhexura montivaga</i>	Spruce-fir Moss Spider Moss mats in high-elevation spruce-fir forests; Southern Appalachians.	S1	G1	--	LE



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Carter County . . . Continued

Known Species: 158

Invertebrate Animals: 20 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Nesticus paynei</i>	A Cave Spider Terrestrial cave associate; also may be found on surface; northern Ridge & Valley.	S3	G3G4	--	--
<i>Paravitrea lamellidens</i>	Lamellate Supercoil Deep, moist leaf litter below boulder slopes, bluffs; boggy seeps; forested hillsides & ravines; central & southern Blue Ridge.	S2	G2	--	--
<i>Paravitrea tridens</i>	White-foot Supercoil Moist leaf litter on wooded hillsides; northeast Tennessee; Ridge & Valley and Blue Ridge.	S2	G2	--	--
<i>Pilsbryna vanattai</i>	Honey Glyph Moist leaf litter in ravines, wooded mountainsides, adj. seeps, springs, small streams; northern Blue Ridge; northeast Tennessee.	S2S3	G2G3	--	--
<i>Speyeria diana</i>	Diana Fritillary Fields, edges, and openings in moist, rich, forested mountains and valleys; Blue Ridge & Cumberland Plateau generally.	S3	G3G4	--	--
<i>Stenotrema altispira</i>	Highland Slitmouth Leaf litter, logs, talus in mixed woodland, spring fed slopes; higher elevations of central & N Blue Ridge; northeast Tennessee.	S2?	G3	--	--
<i>Striatura exigua</i>	Ribbed Striate Moist leaf litter of forested slopes; Blue Ridge; a northern species that apparently follows the spine of the Appalachians south.	S1	G5	--	--
<i>Trechus roanicus</i>	A Carabid Beetle Terrestrial; known only from the summit of Roan Mountain (Roan High Knob); Cherokee National Forest; Carter County.	S1	GH	--	--
<i>Triodopsis anteridon</i>	Carter Threetooth In leaf litter or on logs on forested slopes and in ravines; Blue Ridge; far northeast Tennessee.	S1S2	G3	--	--
<i>Ventridens coelaxis</i>	Bidentate Dome In leaf litter on mountainsides, often at higher elevations; northernmost Blue Ridge and Ridge & Valley.	S2S3	G3	--	--
<i>Ventridens decussatus</i>	Crossed Dome In leaf litter of oak woods, usually above 3,000 ft; Blue Ridge.	S2?	G3	--	--
<i>Vertigo clappi</i>	Cupped Vertigo In leaf litter and moss on forested hillsides; Blue Ridge; Monroe County.	S1	G1G2	--	--
Nonvascular Plants: 4		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Anastrophyllum saxicola</i>	A Liverwort High Elev. Rocky Peat; Heath & Wet Rocks	S1	G3G4	S	--
<i>Bazzania nudicaulis</i>	A Liverwort Bark Of Mature Fraser Fir	S2	G2G3	T	--
<i>Plagiochila exigua</i>	A Liverwort Bark Of Mature Fraser Fir And Mountain Ash	S1S2	G4?	S	--
<i>Sphenolobopsis pearsoni</i>	Sphenolobopsis Mainly Bark Of Mature Fraser Fir	S1	G2?	E	--

Vascular Plants: 101		St. Rank	Global Rank	St. Prot.	Fed. Prot.
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Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Carter County . . . Continued

Known Species: 158

Vascular Plants: 101 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Abies fraseri</i>	Fraser Fir Forests Above 5500 Ft	S1S2	G2	T	--
<i>Aconitum reclinatum</i>	Trailing Wolfsbane Rich Mountain Woods	S1	G3	E	--
<i>Adlumia fungosa</i>	Climbing Fumitory Rich Mesic Woods	S2	G4	T	--
<i>Agastache scrophulariifolia</i>	Purple Giant Hyssop Rich Mountain Woods	S1S2	G4	T	--
<i>Agrostis mertensii</i>	Arctic Bentgrass Mountain Balds And Moist Ravines	SH	G5	S	--
<i>Allium tricoccum</i>	Ramps Rich Woods	S1S2	G5	S-CE	--
<i>Alnus viridis ssp. crispa</i>	Green Alder Mountain Balds And Thickets	S1	G5T5	S	--
<i>Athyrium filix-femina ssp. angustum</i>	Northern Lady Fern Mountain Woods And Openings	S2	G5T5	S	--
<i>Berberis canadensis</i>	American Barberry Rocky Woods And River Bars	S2	G3	S	--
<i>Botrychium simplex</i>	Least Grape-fern High Elevation Mesic Forests	S1	G5	S	--
<i>Brachyelytrum erectum var. septentrionale</i>	Northern Shorthusk Moist High Elev. Forests	S2	G4G5	S	--
<i>Buckleya distichophylla</i>	Piratebush Rocky Mountain Woods W/ Hemlock	S2	G2	T	--
<i>Caltha palustris</i>	Marsh Marigold Bogs	S1	G5	E	--
<i>Campanula aparinoides</i>	Marsh Bellflower Bogs	S2	G5	S	--
<i>Cardamine clematidis</i>	Mountain Bittercress High Elevation Seeps	S2	G3	T	--
<i>Cardamine rotundifolia</i>	Round-leaf Watercress Mucky Wetlands And Seeps	S2S3	G4	S	--
<i>Carex bromoides ssp. montana</i>	Blue Ridge Brome Sedge Mountain Bogs & Seeps	S1	G5T3?	T	--
<i>Carex echinata ssp. echinata</i>	Little Prickly Sedge Swamps And Bogs	S1?	G5T5	S	--
<i>Carex hitchcockiana</i>	Hitchcock's Sedge Rich Moist Woods	S1	G5	T	--
<i>Carex manhartii</i>	Manhart's Sedge Mountain Slopes And Stream Banks	S2	G3G4	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Carter County . . . Continued

Known Species: 158

Vascular Plants: 101 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carex misera</i>	Wretched Sedge Mountain Ledges And Balds	S2	G3	T	--
<i>Carex roanensis</i>	Roan Mountain Sedge Mid-Elevation Woodlands	S2	G3	E	--
<i>Carex ruthii</i>	Ruth's Sedge Mountain Forests And Wet Areas	S2	G3	T	--
<i>Carex x aestivaliformis</i>	A Hybrid Sedge Wet Woods & Meadows	S1	GNA	S	--
<i>Castanea dentata</i>	American Chestnut Mesic To Dry Forests	S2S3	G4	S	--
<i>Clintonia borealis</i>	Clinton's Lily High Elevation Mesic Forests	S2S3	G5	S	--
<i>Coeloglossum viride var. virescens</i>	Long-bracted Green Orchis Wet Woods And Seeps	S1	G5T5	E	--
<i>Corallorhiza maculata</i>	Spotted Coralroot Shady, Moist Woods	S1	G5	T	--
<i>Coreopsis latifolia</i>	Broad-leaved Tickseed Streamheads	S1S2	G3	E	--
<i>Corydalis sempervirens</i>	Pale Corydalis Dry Or Rocky Woods	S1S2	G4G5	E	--
<i>Cymophyllus fraserianus</i>	Fraser's Sedge Mixed Mesophytic Forests	S3	G4	S	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Didiplis diandra</i>	Water-purslane Swamps	S1	G5	T	--
<i>Drosera rotundifolia</i>	Roundleaf Sundew Bogs & Seeps	S1	G5	T	--
<i>Dryopteris carthusiana</i>	Spinulose Shield Fern Bogs	S1	G5	T	--
<i>Dryopteris cristata</i>	Crested Shield-fern Bogs	S2	G5	T	--
<i>Epilobium angustifolium</i>	Fireweed High Elevation Disturbed Woods	S1	G5	T	--
<i>Epilobium ciliatum</i>	Hairy Willow-herb Mountain Balds	S1	G5	T	--
<i>Epilobium leptophyllum</i>	Linear-leaved Willow-herb Mountain Bogs And Marshes	S1	G5	T	--
<i>Gentiana austromontana</i>	Appalachian Gentian High Elevation Open Woods	S3	G3	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Carter County . . . Continued

Known Species: 158

Vascular Plants: 101 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Geum geniculatum</i>	Bent Avens Northern Hardwood Forests And Mountain Balds	S1	G1G2	E	--
<i>Geum laciniatum</i>	Rough Avens Lake Margins	S1	G5	S	--
<i>Geum radiatum</i>	Spreading Avens High Elevation Outcrops And Balds	S1	G2	E	LE
<i>Goodyera repens</i>	Dwarf Rattlesnake-plantain Moist Conifer/Rhododendron Woods	S1	G5	S	--
<i>Hedyotis purpurea var. montana</i>	Roan Mountain Bluet High Elevation Outcrops & Gravel Talus	S1	G5T2	E	LE
<i>Helianthus glaucophyllus</i>	White-leaved Sunflower Dry Open Woods	S1	G3	T	--
<i>Heracleum maximum</i>	Cow-parsnip Moist Woods And Floodplains	S2	G5	S	--
<i>Hieracium scabrum</i>	Rough Hawkweed Dry Open Woods And Pastures	S2	G5	T	--
<i>Huperzia appalachiana</i>	Appalachian Fir Clubmoss Spruce-Fir Forest	S1	G4G5	T	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Hydrophyllum virginianum</i>	Appalachian Waterleaf Alluvial Woods	S3	G5	T	--
<i>Hypericum ellipticum</i>	Pale St. John's-wort Bogs	S1	G5	E	--
<i>Hypericum graveolens</i>	Mountain St. John's-wort Boggy Woods And River Banks	S3	G3	E	--
<i>Hypericum mitchellianum</i>	Blue Ridge St. John's-wort High Elevation, Moist Woods	S2	G3	T	--
<i>Isotria medeoloides</i>	Small Whorled Pogonia Mid-Elevation Dry Woods	S1	G2	E	LT
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lilium grayi</i>	Gray's Lily Balds And High Elevation Seeps	S1	G3	E	--
<i>Liparis loeselii</i>	Fen Orchis Calcareous Seeps	S1	G5	T	--
<i>Lonicera canadensis</i>	American Fly-honeysuckle Mountain Woods And Streams	S1	G5	T	--
<i>Lonicera dioica</i>	Mountain Honeysuckle Mountain Woods And Thickets	S2	G5	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Carter County . . . Continued

Known Species: 158

Vascular Plants: 101 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Meehania cordata</i>	Heartleaf Meehania Wooded Mountain Slopes	S2	G5	T	--
<i>Melanthium latifolium</i>	Broadleaf Bunchflower Oak Forest	S1S2	G5	E	--
<i>Menziesia pilosa</i>	Minniebush Heath Balds And Cliffs	S2	G4G5	S	--
<i>Minuartia godfreyi</i>	Godfrey's Stitchwort Wet Meadows And Marshes	S1	G1	E	--
<i>Minuartia groenlandica</i>	Mountain Sandwort Dry, High Elevation Outcrops	S1	G5	E	--
<i>Packera schweinitziana</i>	Schweinitz's ragwort High Elevation Balds	S1	G5?	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Parnassia grandifolia</i>	Large-leaved Grass-of-parnassus Calcareous Seeps	S3	G3	S	--
<i>Paronychia argyrocoma</i>	Silverling Dry Sandstone, Granite Outcrops	S1S2	G4	T	--
<i>Platanthera flava var. herbiola</i>	Tuberclad Rein-orchid Swamps And Floodplains	S2	G4T4Q	T	--
<i>Platanthera grandiflora</i>	Large Purple Fringed Orchid Wet Meadows And Open Woods	S2	G5	E	--
<i>Platanthera orbiculata</i>	Large Round-leaved Orchid Mid-Elevation Mesic Forests	S3	G5	T	--
<i>Platanthera psycodes</i>	Small Purple Fringed Orchid Wet Woods And Bog Margins	S2	G5	S	--
<i>Poa palustris</i>	Fowl Bluegrass Wet Balds	S1	G5	E	--
<i>Polygonum cilinode</i>	Fringed Black Bindweed Dry Rocky Woods And Thickets	S1S2	G5	T	--
<i>Potamogeton epihydrus</i>	Nuttall's Pondweed Lakes And Streams	S1S2	G5	S	--
<i>Potentilla tridentata</i>	Three-toothed Cinquefoil High Elevation Openings	S1S2	G5	S	--
<i>Prunus virginiana</i>	Choke Cherry Moist Coves And Slopes	S1	G5	S	--
<i>Pycnanthemum beadlei</i>	Beadle's Mountain Mint Mountain Woods	S1S2	G2G4	E	--
<i>Pyrola americana</i>	American Wintergreen Moist Woods And Bogs	S2	G5	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Carter County . . . Continued

Known Species: 158

Vascular Plants: 101 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Sanguisorba canadensis</i>	Canada Burnet Bogs, Seeps, And Wet Meadows	S1	G5	E	--
<i>Saxifraga caroliniana</i>	Carolina Saxifrage Seepage Slopes And Wet Cliffs	S1S2	G3	E	--
<i>Scutellaria saxatilis</i>	Rock Skullcap Rocky Woods And Moist Cliffs	S3	G3	T	--
<i>Silene caroliniana ssp. pennsylvanica</i>	Carolina Pink Rocky Bluffs	S1S2	G5T4T5	T	--
<i>Solidago spithamea</i>	Blue Ridge Goldenrod High Elevation Outcrops	S1	G1	E	LT
<i>Sparganium androcladum</i>	Branching Bur-reed Slow Flowing Streams And Rivers, Ponds	S1	G4G5	E	--
<i>Spiraea alba</i>	Narrow-leaved Meadow-sweet Bogs	S1	G5	E	--
<i>Spiranthes lucida</i>	Shining Ladies'-tresses Alluvial Woods And Moist Slopes	S1S2	G5	T	--
<i>Stellaria alsine</i>	Trailing Stitchwort Bogs And Wet Areas	S1	G5	E	--
<i>Stellaria longifolia</i>	Longleaf Stitchwort Bogs	S1	G5	E	--
<i>Streptopus amplexifolius</i>	White Mandarin Wet Cliffs And Mountain Woods	S1	G5	T	--
<i>Streptopus roseus</i>	Rosy Twisted-stalk Rich, Moist Mountain Woods	S2	G5	S	--
<i>Symplocarpus foetidus</i>	Skunk-cabbage Swamps And Bogs	S1	G5	E	--
<i>Thalictrum coriaceum</i>	Leatherleaf Meadowrue Alluvial Woods And Moist Bluffs	S1	G4	T	--
<i>Thuja occidentalis</i>	Northern White Cedar Calcareous Rocky Seeps, Cliffs	S3	G5	S	--
<i>Trichophorum cespitosum</i>	Tufted Club-rush Mountain Bogs	S1	G5	E	--
<i>Trientalis borealis</i>	Northern Starflower Mountain Hardwood Forests	S1	G5	T	--
<i>Trillium rugelii</i>	Southern Nodding Trillium Rich Mountain Woods	S2	G3	E	--
<i>Tsuga caroliniana</i>	Carolina Hemlock Dry Ridges	S3	G3	T	--
<i>Veronica americana</i>	American Speedwell Marshes And Bogs	S1	G5	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Carter County . . . Continued

Known Species: 158

Vascular Plants: 101 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Woodsia scopulina ssp. appalachiana</i>	Alleghany Cliff-fern Mountain Cliffs	S1S2	G4T4	S	--
Vertebrate Animals: 27		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Accipiter striatus</i>	Sharp-shinned Hawk Forests and open woodlands.	S3B,S4N	G5	D	No Status
<i>Aegolius acadicus</i>	Northern Saw-whet Owl High-elevation spruce-fir forests; Blue Ridge Mountains.	S1	G5	T	--
<i>Condylura cristata</i>	Star-nosed Mole Hydric soils in beech-maple-birch forests at higher elevations in the Appalachians.	S2	G5	D	--
<i>Corvus corax</i>	Common Raven Hilly or mountainous areas, esp near cliffs; nests usually on cliff ledges or in coniferous trees.	S2	G5	T	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Desmognathus wrighti</i>	Pygmy Salamander Mature hardwoods & spruce-fir forests under moss, leaf litter, logs, bark, and rocks; high elevations; Blue Ridge.	S2S3	G3G4	D	--
<i>Empidonax alnorum</i>	Alder Flycatcher Alder thickets adj. balds, forest edge, boggy meadows; higher elevations of Southern Blue Ridge.	S1	G5	--	--
<i>Glaucomys sabrinus coloratus</i>	Carolina Northern Flying Squirrel Spruce-fir or mature hardwood forest with snags; in tree cavities or leaf nests; higher elevations of the Appalachians.	S1S2	G5T1	E	LE
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Mustela nivalis</i>	Least Weasel Old fields, hedgerows, and forested areas; Appalachian Mountains, Ridge & Valley, & Cumberland Plateau.	S2	G5	--	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis leibii</i>	Eastern Small-footed Myotis Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.	S2S3	G3	D	--
<i>Napaeozapus insignis</i>	Woodland Jumping Mouse Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	S4	G5	D	--
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Parascalops breweri</i>	Hairy-tailed Mole Moist soils in deciduous forests with thick humus; east Tennessee.	S3	G5	D	--
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Carter County . . . Continued

Known Species: 158

Vertebrate Animals: 27 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Percina macrocephala</i>	Longhead Darter Clear, larger upland creeks and small-med rivers, usually in rocky flowing pools upst/dnst rubble riffles; Tenn & Cumb river watersheds.	S2	G3	T	--
<i>Plethodon welleri</i>	Weller's Salamander Rich woods under downed logs, rocks, leaf litter; spruce-fir, birch-hemlock, and primarily deciduous forests of NE Blue Ridge.	S2	G3	D	--
<i>Pooecetes gramineus</i>	Vesper Sparrow Balds, old pastures; ground nester.	S1B,S4N	G5	D	--
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--
<i>Sorex dispar</i>	Long-tailed Shrew Mountainous, forested areas with loose talus; east Tennessee.	S2	G4	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--
<i>Vermivora chrysoptera</i>	Golden-winged Warbler Early successional habitats in foothill regions of Appalachians.	S3B	G4	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Carter --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Cheatham County

Known Species: 27

Invertebrate Animals: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Lithasia geniculata fuliginosa</i>	Geniculate River Snail Medium-sized river form of <i>L. geniculata</i> ; portions of lower Cumberland and lower Tennessee river systems; Duck & Buffalo rivers.	S2	G3T3Q	--	--
Vascular Plants: 16		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Amsonia tabernaemontana</i> var. <i>gattingeri</i>	Limestone Blue Star Glades, Barrens, And Rocky River Bars	S3	G5T3Q	S	--
<i>Apios priceana</i>	Price's Potato-bean Openings In Rich Woods	S2	G2	E	LT
<i>Carex davisii</i>	Davis' Sedge Bottomlands, Riparian Soils	S1	G4	S	--
<i>Carex gravida</i>	Heavy Sedge Rocky River Bluffs	S1	G5	S	--
<i>Carex oxylepis</i> var. <i>pubescens</i>	Hairy Sharp-scaled Sedge Wooded Bluffs, Floodplains	S1	G5?T3	S	--
<i>Diervilla lonicera</i>	Northern Bush-honeysuckle Rocky Woodlands And Bluffs	S2	G5	T	--
<i>Hasteola suaveolens</i>	Sweet-scented Indian-plantain Alluvial Woods, Moist Slopes	S2	G4	T	--
<i>Helianthus eggertii</i>	Eggert's Sunflower Barrens And Roadsides	S3	G3	S	DM
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Juncus brachycephalus</i>	Small-headed Rush Seeps And Wet Bluffs	S2	G5	S	--
<i>Lesquerella densipila</i>	Duck River Bladderpod Cultivated Fields	S3	G3	T	--
<i>Lesquerella globosa</i>	Short's Bladderpod Limestone Talus Slopes And Cliffs	S2	G2	E	C
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Parnassia grandifolia</i>	Large-leaved Grass-of-parnassus Calcareous Seeps	S3	G3	S	--
<i>Stellaria fontinalis</i>	Water Stitchwort Seeps And Limestone Creek Beds	S3	G3	T	--
Vertebrate Animals: 10		St. Rank	Global Rank	St. Prot.	Fed. Prot.



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Cheatham County . . . Continued

Known Species: 27

Vertebrate Animals: 10 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Accipiter striatus</i>	Sharp-shinned Hawk Forests and open woodlands.	S3B,S4N	G5	D	No Status
<i>Aquila chrysaetos</i>	Golden Eagle Open country, open wooded country, and barren areas, especially in hilly or mountainous regions.	S1	G5	T	--
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Etheostoma microlepidum</i>	Smallscale Darter Small rivers, in deep, strongly flowing riffles with gravel, boulder, and coarse rubble substrates; Cumberland River drainage.	S2	G2G3	D	--
<i>Etheostoma tippecanoe</i>	Tippecanoe Darter Medium to large rivers in shallow riffle areas containing fine cherty gravel; Cumberland River watershed.	S1S2	G3G4	D	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Hemidactylium scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Cheatham --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Chester County

Known Species: 5

Invertebrate Animals: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Fallicambarus hortoni</i>	Hatchie Burrowing Crayfish Primary burrower; uses saturated or seasonally saturated soils associated with permanent bodies of water; Mississippi River tributaries, Coastal Plain.	S1	G1	E	--
Vascular Plants: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Helianthus verticillatus</i>	Whorled Sunflower Edge Of Creeks And Fields	S1	G1Q	E	C
Vertebrate Animals: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Chondestes grammacus</i>	Lark Sparrow Open habitats with scattered bushes and trees, prairie, cultivated areas, fields with bushy borders; ground nester.	S1B	G5	T	--
<i>Etheostoma pyrrhogaster</i>	Firebelly Darter Sand- and gravel-bottomed pools of headwaters, creeks, and small rivers; upper Coastal Plain; west Tennessee.	S2	G2G3	D	--
<i>Hyla gratiosa</i>	Barking Treefrog Low wet woods and swamps esp. with ephemeral ponds.	S3	G5	D	--

-- End of Chester --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Claiborne County

Known Species: 80

Invertebrate Animals: 30		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Bactrurus angulus</i>	Cumberland Gap Cave Amphipod Aquatic cave obligate; Cumberland Gap area.	S1	G1	--	--
<i>Cumberlandia monodonta</i>	Spectaclecase Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.	S2S3	G3	--	C
<i>Dromus dromas</i>	Dromedary Pearlymussel Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.	S1	G1	E	LE
<i>Epioblasma brevidens</i>	Cumberlandian Combshell Large creeks to large rivers, in coarse sand or mixtures of gravel, cobble, or rocks; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Epioblasma capsaeformis</i>	Oyster Mussel Shallow riffles in mod-swift current of small-medium rivers with coarse sand and gravel; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Epioblasma triquetra</i>	Snuffbox Riffles of medium-large rivers with stony or sandy bottoms, in swift currents, usually deeply buried; Tennessee & Cumb. river systems.	S3	G3	--	--
<i>Fusconaia cor</i>	Shiny Pigtoe Shoals and riffles of small-medium sized rivers with mod-fast current over sand-cobble substrates; upper Tennessee River watershed.	S1	G1	E	LE
<i>Fusconaia cuneolus</i>	Finerayed Pigtoe Riffles of fords and shoals of mod gradient streams in firm cobble and gravel substrates; middle & upper Tennessee River watershed.	S1	G1	E	LE
<i>Hemistena lata</i>	Cracking Pearlymussel Medium-sized rivers of mod current, deeply buried in mud, sand, gravel, and cobble substrates; Tennessee & Cumb. river systems.	S1	G1	E	LE
<i>Io fluvialis</i>	Spiny Riversnail Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	S2	G2	--	--
<i>Kleptochthonius affinis</i>	A Cave Obligate Pseudoscorpion Terrestrial cave obligate; Ridge & Valley.	S1S2	G1G2	--	--
<i>Lampsilis abrupta</i>	Pink Mucket Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	S2	G2	E	LE
<i>Lemiox rimosus</i>	Birdwing Pearlymussel Small-medium size rivers in riffle areas with sand and gravel substrates in mod-fast currents; Tennessee River system.	S1	G1	E	LE
<i>Lexingtonia dolabelloides</i>	Slabside Pearlymussel Lg creeks to mod sized rivers, in riffles/shoals of sand, fine gravel, and cobble substrates with mod current; Tennessee R watershed.	S2	G2	--	C
<i>Plethobasus cicatricosus</i>	White Wartyback Presumed to inhabit shoals and riffles in large rivers; Tennessee & Cumberland river systems. Very rare & poss extirpated in TN.	S1	G1	E	LE
<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.	S1	G1	E	LE
<i>Plethobasus cyphus</i>	Sheepnose Large to medium-sized rivers, in riffles and coarse sand/gravel subst; TN & Cumb river systems incl KY Reservoir; W Uplands & Rim.	S2S3	G3	--	C



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Claiborne County . . . Continued

Known Species: 80

Invertebrate Animals: 30 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Pleurobema oviforme</i>	Tennessee Clubshell Small, shallow streams & rivers with good current & coarse gravel/sand substrates; Tennessee & Cumberland river systems.	S2S3	G2G3	--	--
<i>Pseudanophthalmus engelhardti</i>	Engelhart's Cave Beetle Terrestrial cave obligate; northern Ridge & Valley.	S1	G1	--	--
<i>Pseudanophthalmus pallidus</i>	Pale Cave Beetle Terrestrial cave obligate; northern Ridge & Valley.	S1S2	G1G2	--	--
<i>Pseudanophthalmus rotundatus</i>	A Ground Beetle Terrestrial cave obligate; northern Ridge & Valley.	S2	G2G3	--	--
<i>Pseudotremia nodosa</i>	A Millipede Terrestrial cave obligate; lower Powell River drainage; upper Ridge & Valley; Claiborne, Hancock, & Union counties.	S2S3	G4	--	--
<i>Pseudotremia valga</i>	A Millipede Terrestrial cave obligate; northernmost Ridge & Valley; Claiborne County.	S1?	G1G2	--	--
<i>Ptychobranthus subtentum</i>	Fluted Kidneyshell Small-medium rivers in swift current or riffles, in sand, gravel, and cobble substrates; Tennessee & Cumberland river systems.	S2	G2	--	C
<i>Quadrula cylindrica strigillata</i>	Rough Rabbitsfoot Small-medium sized rivers, in clear, shallow riffles with sand-gravel substrates; Tenn. & Cumb. river systems; upland form.	S2	G3G4T2	E	LE
<i>Quadrula intermedia</i>	Cumberland Monkeyface Shallow riffle and shoal areas of headwater streams and bigger rivers, in coarse sand/gravel substrates; Tennessee River system.	S1	G1	E	LE
<i>Quadrula sparsa</i>	Appalachian Monkeyface Headwater sections of rivers in shallow riffles/runs with sand-gravel substrate & moderate current; upper Tennessee River drainage.	S1	G1	E	LE
<i>Sphalloplana consimilis</i>	Powell Valley Planarian Aquatic cave obligate; Powell River Valley; N Ridge & Valley; Claiborne County.	S1	G2G3	--	--
<i>Stygobromus finleyi</i>	Finley's Cave Amphipod Aquatic cave obligate, from shallow pools; northern Ridge & Valley; Claiborne County.	S1	G3G4	--	--
<i>Triodopsis claibornensis</i>	Claiborne Threetooth In leaf litter of rocky karst woods and on roadsides, NW Ridge & Valley; Claiborne & Campbell counties.	S2	G2	--	--
Nonvascular Plants: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Homaliadelphus sharpii</i>	Sharp's Homaliadelphus Calcareous Or Dolomite Bluffs	S1	G3?	E	--
Vascular Plants: 25		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Amsonia tabernaemontana var. gattingeri</i>	Limestone Blue Star Glades, Barrens, And Rocky River Bars	S3	G5T3Q	S	--
<i>Aureolaria patula</i>	Spreading False-foxglove Oak Woods And Edges	S3	G3	S	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Claiborne County . . . Continued

Known Species: 80

Vascular Plants: 25 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Berberis canadensis</i>	American Barberry Rocky Woods And River Bars	S2	G3	S	--
<i>Calamagrostis porteri</i>	Porter's Reedgrass Rich Mountain Woods	S1	G4	E	--
<i>Cardamine rotundifolia</i>	Round-leaf Watercress Mucky Wetlands And Seeps	S2S3	G4	S	--
<i>Chrysogonum virginianum</i>	Green-and-gold Dry Woods And Openings	S2	G5	T	--
<i>Cimicifuga rubifolia</i>	Appalachian Bugbane Rich Woods	S3	G3	T	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Cypripedium reginae</i>	Showy Lady's-slipper Calcareous Rocky Slopes	S1	G4	E	--
<i>Eleocharis intermedia</i>	Matted Spike-rush Wet Areas	S1	G5	E	--
<i>Heuchera longiflora</i> var. <i>aceroides</i>	Maple-leaf Alumroot Moist Ravines	S2	G4T2Q	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lonicera dioica</i>	Mountain Honeysuckle Mountain Woods And Thickets	S2	G5	S	--
<i>Meehania cordata</i>	Heartleaf Meehania Wooded Mountain Slopes	S2	G5	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Parnassia grandifolia</i>	Large-leaved Grass-of-parnassus Calcareous Seeps	S3	G3	S	--
<i>Platanthera flava</i> var. <i>herbiola</i>	Tuberclad Rein-orchid Swamps And Floodplains	S2	G4T4Q	T	--
<i>Platanthera orbiculata</i>	Large Round-leaved Orchid Mid-Elevation Mesic Forests	S3	G5	T	--
<i>Rhamnus alnifolia</i>	Alderleaf Buckthorn Swamps, Low Woods	S1	G5	E	--
<i>Ruellia purshiana</i>	Pursh's Wild-petunia Dry Woods	S1S2	G3	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Claiborne County . . . Continued

Known Species: 80

Vascular Plants: 25 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Spiranthes lucida</i>	Shining Ladies'-tresses Alluvial Woods And Moist Slopes	S1S2	G5	T	--
<i>Thalictrum coriaceum</i>	Leatherleaf Meadowrue Alluvial Woods And Moist Bluffs	S1	G4	T	--
<i>Thuja occidentalis</i>	Northern White Cedar Calcareous Rocky Seeps, Cliffs	S3	G5	S	--
Vertebrate Animals: 24		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aegolius acadicus</i>	Northern Saw-whet Owl High-elevation spruce-fir forests; Blue Ridge Mountains.	S1	G5	T	--
<i>Ammocrypta clara</i>	Western Sand Darter Usually in slight to moderate current over sandy bottom; Clinch & Powell rivers.	S1	G3	T	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Desmognathus welteri</i>	Black Mountain Salamander Spring runs and permanent streams in wooded mountainous terrain; northern Cumberlands.	S3	G4	D	--
<i>Erimonax monachus</i>	Spotfin Chub Clear upland rivers with swift currents & boulder substrates; portions of the Tennessee River watershed.	S2	G2	T	LT,XN, PXN
<i>Erimystax cahni</i>	Slender Chub Major headwater tribs to TN River with small gravel substrates & swift-moderate currents.	S1	G1	T	LT
<i>Etheostoma baileyi</i>	Emerald Darter Creeks and small rivers with riffles containing gravel or rubble; upper Cumberland drainage.	S2	G4G5	D	--
<i>Etheostoma sagitta</i>	Arrow Darter Smaller streams of northern Cumberland Plateau & Cumberland Mountains; Cumberland River watershed.	S2	G3G4	D	--
<i>Mustela nivalis</i>	Least Weasel Old fields, hedgerows, and forested areas; Appalachian Mountains, Ridge & Valley, & Cumberland Plateau.	S2	G5	--	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Notropis buccatus</i>	Silverjaw Minnow Small creeks & large rivers with moderate current & sandy substrates; upper Cumberland River watershed; poss. introd. Stones River.	S1	G5	T	--
<i>Notropis rubellus</i>	Rosyface Shiner Clear, swift, large creeks with bottoms of clean gravel or rubble; tribs to Cumberland River upst Cumberland Falls.	S2	G5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Claiborne County . . . Continued

Known Species: 80

Vertebrate Animals: 24 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Noturus flavipinnis</i>	Yellowfin Madtom Medium size to large creeks and small rivers that are unpolluted & relatively unsilted; upper Tennessee River watershed.	S1	G1	E	LT,XN
<i>Parascalops breweri</i>	Hairy-tailed Mole Moist soils in deciduous forests with thick humus; east Tennessee.	S3	G5	D	--
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--
<i>Percina macrocephala</i>	Longhead Darter Clear, larger upland creeks and small-med rivers, usually in rocky flowing pools upst/dnst rubble riffles; Tenn & Cumb river watersheds.	S2	G3	T	--
<i>Phoxinus cumberlandensis</i>	Blackside Dace Small upland tributaries with sand, sandstone, and shale substrates in unsilted conditions; upper Cumberland R. watershed.	S2	G2	T	LT
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Claiborne --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Clay County

Known Species: 27

Invertebrate Animals: 8		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Barbicambarus cornutus</i>	Bottle Brush Crayfish Under slabrock in medium-large tributaries of Barren River watershed; Summer, Macon, Clay counties.	S2	G4	--	--
<i>Dromus dromas</i>	Dromedary Pearlymussel Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.	S1	G1	E	LE
<i>Lampsilis abrupta</i>	Pink Mucket Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	S2	G2	E	LE
<i>Lithasia armigera</i>	Armored Rocksnail Partially buried logs, gravel, and preferably submerged rock outcrops; lower Cumberland River & larger tributaries; Obey River.	S1S2	G3G4	--	--
<i>Pseudanophthalmus fowlerae</i>	Fowler's Cave Beetle Terrestrial cave obligate; eastern Highland Rim.	S1	G1	--	C
<i>Pseudanophthalmus inquisitor</i>	Inquirer Cave Beetle Terrestrial cave obligate; Eastern Highland Rim escarpment.	S1	G1	--	C
<i>Stygobromus nortoni</i>	Norton's Cave Amphipod Aquatic cave obligate, from pools; Eastern Highland Rim and Ridge & Valley.	SH	G2G3	--	--
<i>Villosa trabalis</i>	Cumberland Bean Riffle areas of small rivers & streams in sand, gravel, & cobble substrates with swift current; upper Cumb. & upper Tenn. river systems.	S1	G1	E	LE

Vascular Plants: 7		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carex gravida</i>	Heavy Sedge Rocky River Bluffs	S1	G5	S	--
<i>Carex ouachitana</i>	Ouachita Sedge Rocky Woods	S1	G4	S	--
<i>Collinsia verna</i>	Spring Blue-eyed Mary Rich Wet-Mesic Woods	S1	G5	E	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Melanthium woodii</i>	Ozark Bunchflower Rich Wooded Slopes	S1	G5	E	--
<i>Prenanthes crepidinea</i>	Nodding Rattlesnake-root Rich Bottomlands	S2	G4	E	--

Vertebrate Animals: 12		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aneides aeneus</i>	Green Salamander Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	S3S4	G3G4	--	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Clay County . . . Continued

Known Species: 27

Vertebrate Animals: 12 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Chondestes grammacus</i>	Lark Sparrow Open habitats with scattered bushes and trees, prairie, cultivated areas, fields with bushy borders; ground nester.	S1B	G5	T	--
<i>Crystallaria asprella</i>	Crystal Darter Small to medium rivers with expanses of clean sand and gravel; Cumberland River watershed.	SX	G3	D	--
<i>Etheostoma barbouri</i>	Teardrop Darter Sandy pools in small to medium streams with slabrock cover; Barren River watershed.	S2	G4G5	D	--
<i>Etheostoma barrenense</i>	Splendid Darter Locally abundant in rocky pools and adjacent riffles of small to moderate streams; Barren River watershed.	S3	G4	D	--
<i>Etheostoma bellum</i>	Orangefin Darter Locally abundant in small to medium-sized clear streams over gravel substrate; Barren River watershed.	S3	G4G5	D	--
<i>Etheostoma cinereum</i>	Ashy Darter Small to medium upland rivers with bedrock or gravel substrate and boulders.	S2S3	G2G3	T	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Moxostoma atripinne</i>	Blackfin Sucker Larger creeks with quiet or gently flowing pools with scattered slabrocks & undercut banks; Barren River watershed.	S1	G2	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Notropis rubellus</i>	Rosyface Shiner Clear, swift, large creeks with bottoms of clean gravel or rubble; tribs to Cumberland River upst Cumberland Falls.	S2	G5	D	--
<i>Percina phoxocephala</i>	Slenderhead Darter Small-large rivers with moderate gradient in shoal areas with moderate-swift currents; portions of Tenn & Cumb river watersheds.	S3	G5	D	--

-- End of Clay --



Tennessee Natural Heritage Program Rare Species Observations For Tennessee Counties



Cocke County

Known Species: 55

Invertebrate Animals: 8		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Anguispira jessica</i>	Mountain Disc Higher elevations in the southern Appalachians, arboreal; also inhabits rotting wood; Roan Mountain & Mt. Le Conte.	S3	G3G4	--	--
<i>Cumberlandia monodonta</i>	Spectaclecase Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.	S2S3	G3	--	C
<i>Epioblasma capsaeformis</i>	Oyster Mussel Shallow riffles in mod-swift current of small-medium rivers with coarse sand and gravel; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Fumonelix wheatleyi</i>	Cinnamon Covert Leaf litter, logs, talus in mixed woodlands, coves @ mid-upper elevations of Blue Ridge; Blount, Carter, Cocke, Monroe, & Sevier cos.	S3	G4	--	--
<i>Io fluvialis</i>	Spiny Riversnail Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	S2	G2	--	--
<i>Mesomphix rugeli</i>	Wrinkled Button Under leaf litter on wooded hillsides; far NE Tennessee; S Blue Ridge.	S3	G4	--	--
<i>Speyeria diana</i>	Diana Fritillary Fields, edges, and openings in moist, rich, forested mountains and valleys; Blue Ridge & Cumberland Plateau generally.	S3	G3G4	--	--
<i>Ventridens decussatus</i>	Crossed Dome In leaf litter of oak woods, usually above 3,000 ft; Blue Ridge.	S2?	G3	--	--
Nonvascular Plants: 2		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Grimmia olneyi</i>	Grimmia Moss High Elev. Dry Rocks And Cliffs	SH	G3G5	S	--
<i>Megaceros aenigmaticus</i>	Megaceros Mid-Elev. Streams On Wet Shaded Rocks	S2S3	G2G3	S	--
Vascular Plants: 26		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acer leucoderme</i>	Chalk Maple Circumneutral Rocky Woods	S3	G5	S	--
<i>Adlumia fungosa</i>	Climbing Fumitory Rich Mesic Woods	S2	G4	T	--
<i>Buckleya distichophylla</i>	Piratebush Rocky Mountain Woods W/ Hemlock	S2	G2	T	--
<i>Carex ruthii</i>	Ruth's Sedge Mountain Forests And Wet Areas	S2	G3	T	--
<i>Clintonia borealis</i>	Clinton's Lily High Elevation Mesic Forests	S2S3	G5	S	--
<i>Corallorhiza maculata</i>	Spotted Coralroot Shady, Moist Woods	S1	G5	T	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Cocke County . . . Continued

Known Species: 55

Vascular Plants: 26 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cymophyllus fraserianus</i>	Fraser's Sedge Mixed Mesophytic Forests	S3	G4	S	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Heracleum maximum</i>	Cow-parsnip Moist Woods And Floodplains	S2	G5	S	--
<i>Heuchera longiflora var. aceroides</i>	Maple-leaf Alumroot Moist Ravines	S2	G4T2Q	S	--
<i>Hypericum mitchellianum</i>	Blue Ridge St. John's-wort High Elevation, Moist Woods	S2	G3	T	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Leucothoe racemosa</i>	Fetter-bush Acidic Wetlands And Swamps	S2	G5	T	--
<i>Lysimachia fraseri</i>	Fraser's Loosestrife Dry Open Woods	S2	G3	E	--
<i>Menziesia pilosa</i>	Minniebush Heath Balds And Cliffs	S2	G4G5	S	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Paronychia argyrocoma</i>	Silverling Dry Sandstone, Granite Outcrops	S1S2	G4	T	--
<i>Rugelia nudicaulis</i>	Rugel's Ragwort High Elevation Open Woods	S2	G3	E	--
<i>Saxifraga caroliniana</i>	Carolina Saxifrage Seepage Slopes And Wet Cliffs	S1S2	G3	E	--
<i>Scutellaria saxatilis</i>	Rock Skullcap Rocky Woods And Moist Cliffs	S3	G3	T	--
<i>Silene ovata</i>	Ovate Catchfly Open Oak Woods	S2	G3	E	--
<i>Solidago lancifolia</i>	Broadleaf Goldenrod Mountain Woods	S1	G3G4Q	E	--
<i>Stachys clingmanii</i>	Clingman's Hedge-nettle Mountain Clearings And Meadows	S1S2	G2Q	T	--
<i>Stellaria alsine</i>	Trailing Stitchwort Bogs And Wet Areas	S1	G5	E	--
<i>Thaspium pinnatifidum</i>	Cutleaf Meadow-parsnip Calcareous Forests And Woodlands	S1	G2G3	E	--
<i>Trillium rugelii</i>	Southern Nodding Trillium Rich Mountain Woods	S2	G3	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Cocke County . . . Continued

Known Species: 55

Vertebrate Animals: 19		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carpiodes velifer</i>	Highfin Carpsucker Large rivers, mostly in Tennessee River drainage.	S2S3	G4G5	D	--
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Etheostoma acuticeps</i>	Sharphead Darter Strongly flowing water in riffles and chutes of large upland creeks and medium-sized rivers.	S2S3	G3	--	--
<i>Etheostoma gitselli</i>	Tuckasegee Darter Swift riffle areas with coarse rubble; Little Tennessee & Pigeon rivers.	S1	G4	E	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Microtus chrotorrhinus carolinensis</i>	Southern Rock Vole Mossy rocks and logs, and cool, moist talus slopes at higher elevations of the Appalachians.	S2	G4T3	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis leibii</i>	Eastern Small-footed Myotis Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.	S2S3	G3	D	--
<i>Napaeozapus insignis</i>	Woodland Jumping Mouse Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	S4	G5	D	--
<i>Neotoma floridana haematoreia</i>	Southern Appalachian Woodrat Forests & talus slopes in southern Appalachians of southeastern Tennessee.	S2	G5T4Q	D	--
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--
<i>Percina tanasi</i>	Snail Darter Sand and gravel shoals of moderately flowing, vegetated, large creeks; upper Tennessee River watershed.	S2S3	G2G3	T	LT
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--
<i>Pooecetes gramineus</i>	Vesper Sparrow Balds, old pastures; ground nester.	S1B,S4N	G5	D	--
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--



Tennessee Natural Heritage Program
 Rare Species Observations For
 Tennessee Counties



Cocke County . . . Continued

Known Species: 55

Vertebrate Animals: 19 . . . Continued

St. Rank

Global Rank

St. Prot.

Fed. Prot.

Zapus hudsonius

Meadow Jumping Mouse

S4

G5

D

No Status

Open grassy fields; often abundant in thick vegetation near water bodies; statewide.

-- End of Cocke --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Coffee County

Known Species: 130

Ecological Systems: 2		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Central Interior Highlands and Appalachian Sinkhole and Depression Pond</i>	Highland Rim Sinkhole and Depression Pond	S2S3	GNR	--	--
<i>Eastern Highland Rim Prairie and Barrens</i>	Eastern Highland Rim Prairie and Barrens	SNR	GNR	--	--
Ecological Systems: 4		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Panicum hemitomom - Dulichium arundinaceum Herbaceous Vegetation</i>	Highland Rim Maidencane Pond	S1	G1	--	--
<i>Quercus (falcata, stellata) / Quercus marilandica / Gaylussacia (baccata, dumosa) Woodland</i>	Highland Rim Blackjack Oak Barrens	S2S3	G2G3	--	--
<i>Quercus phellos - Quercus alba / Vaccinium fuscatum - (Viburnum nudum) / Carex (barrattii, intumescens) Forest</i>	Barrens Depression Willow Oak Forest	SNR	G2	--	--
<i>Quercus stellata - (Quercus coccinea) / Quercus marilandica / Vaccinium pallidum - (Vaccinium stamineum) Woodland</i>	Highland Rim Post Oak - Blackjack Oak Woodland	S2	G2G3	--	--
Invertebrate Animals: 15		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carychium stygium</i>	Cave Thorn Cave obligate; feeds on cricket guano; Highland Rim & escarpment of Cumberland Plateau.	S2	G3	--	--
<i>Daedalochila auriformis</i>	Rockpile Liptooth Wet, grassy habitats, generally in full sun; barrens & remnant prairies; Coffee & Warren counties; disjunct from central Alabama.	S1	G4	--	--
<i>Leptoxis umbilicata</i>	Umbilicate Rocksnail Medium sized rivers & large creeks in portions of lower Cumb. and Tenn. river systems; Stones River; possibly a form or morph.	S1	G1Q	--	--
<i>Lexingtonia dolabelloides</i>	Slabside Pearlymussel Lg creeks to mod sized rivers, in riffles/shoals of sand, fine gravel, and cobble substrates with mod current; Tennessee R watershed.	S2	G2	--	C
<i>Lithasia duttoniana</i>	Helmet Rocksnail Rocky substrates in riffle systems; bedrock in flowing water below main section of riffles; Duck River (TN River system).	S2	G2Q	--	--
<i>Lithasia geniculata fuliginosa</i>	Geniculate River Snail Medium-sized river form of L. geniculata; portions of lower Cumberland and lower Tennessee river systems; Duck & Buffalo rivers.	S2	G3T3Q	--	--
<i>Lithasia geniculata pinguis</i>	Small Geniculate River Snail Headwater form of L. geniculata, in small rivers and large streams, on gravel substrates; upper Duck & Caney Fork systems.	S2	G3T3Q	--	--
<i>Lithasia lima</i>	Warty Rocksnail Rocky substrates in riffle systems; Elk River & larger tributaries (Tennessee River watershed).	S2	G2Q	--	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Coffee County . . . Continued

Known Species: 130

Invertebrate Animals: 15 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Litocampa valentinei</i>	A Cave Obligate Bristletail Terrestrial cave obligate, southern Cumberlands.	S2	G5	--	--
<i>Orconectes australis</i>	Southern Cave Crayfish Aquatic cave obligate; subterranean streams & pools; Eastern Highland Rim escarpment to the Cumberland Plateau.	S3	G5	--	--
<i>Phalangodes appalachius</i>	A Cave Obligate Harvestman Terrestrial cave obligate; Cumberland Plateau.	S3	G3G4	--	--
<i>Pleurobema gibberum</i>	Cumberland Pigtoe Shallow areas in small-medium rivers in riffles with sand and gravel substrates; tribs of Cumberland River & poss TN R, middle Tenn.	S1	G1	E	LE
<i>Pleurobema oviforme</i>	Tennessee Clubshell Small, shallow streams & rivers with good current & coarse gravel/sand substrates; Tennessee & Cumberland river systems.	S2S3	G2G3	--	--
<i>Pseudanophthalmus tullahoma</i>	Duck River Cave Beetle Terrestrial cave obligate; Central Basin; Duck River drainage.	S1	G1G2	--	--
<i>Toxolasma cylindrellus</i>	Pale Lilliput Small tributary rivers & streams, in firm rubble, gravel, and sand substrates in shallow riffles and shoals; lower Tenn. River system.	S1	G1	E	LE
Nonvascular Plants: 4		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Frullania obcordata</i>	Swamp Frullania Swamps, On Tree Bark	S1	G4G5	S	--
<i>Lejeunea sharpii</i>	Sharp's Lejeunea Calcareous Bluffs, Rock & Logs Of Wet Sinks	S1S2	G2G3	E	--
<i>Pellia appalachiana</i>	 Wet Soil, Barrens	S2	G4	S	--
<i>Radula voluta</i>	A Liverwort Shady Moist Boulders By Waterfalls Or Sreams	S2	G3	S	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 79		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Agalinis oligophylla</i>	Ridge-stem False-foxglove Barrens	S1	G4	E	--
<i>Aureolaria patula</i>	Spreading False-foxglove Oak Woods And Edges	S3	G3	S	--
<i>Campanula aparinoides</i>	Marsh Bellflower Bogs	S2	G5	S	--
<i>Carex barrattii</i>	Barratt's Sedge Wet Woods And Oak Barrens	S2	G4	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
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Coffee County . . . Continued

Known Species: 130

Vascular Plants: 79 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carex buxbaumii</i>	Brown Bog Sedge Swamps	S1	G5	T	--
<i>Carex hirtifolia</i>	Pubescent Sedge Lowland Forests	S1S2	G5	S	--
<i>Carex pellita</i>	Woolly Sedge Alluvial Forests And Upland Pastures	S1	G5	E	--
<i>Clematis glaucophylla</i>	White-leaved Leatherflower Wooded Stream Banks	S1	G4?	E	--
<i>Clethra alnifolia</i>	Coastal Sweet Pepper-bush Acidic Wetlands And Swamps	S1	G5	E	--
<i>Cotinus obovatus</i>	American Smoketree Dry, Circumneutral Soil	S2	G4	S	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Dichanthelium aciculare</i>	Needleleaf Witchgrass Sandy Pine Woods And Barrens	S1	G5	E	--
<i>Dichanthelium acuminatum ssp. leucothrix</i>	Roughish Witchgrass Moist Pine Barrens	S1	G4?Q	S	--
<i>Dichanthelium acuminatum ssp. spretum</i>	Eaton's Witchgrass Sandy Peaty Pine Barrens	S1	G5	E	--
<i>Dichanthelium ensifolium ssp. ensifolium</i>	Small-leaved Panicgrass Moist Pine Barrens	S2	GNR	S	--
<i>Drosera brevifolia</i>	Dwarf Sundew Wet Barrens And Ecotones	S2	G5	T	--
<i>Echinacea pallida</i>	Pale-purple Coneflower Barrens And Dry Openings	S1	G4	T	--
<i>Eleocharis wolfii</i>	Wolf Spike-rush Wet Woods On Floodplains	S1	G3G4	E	--
<i>Eryngium integrifolium</i>	Blue-flower Coyote-thistle Wet Barrens	S1	G5	T	--
<i>Eupatorium leucolepis</i>	White-bracted Thoroughwort Wet Barrens	S1	G5	E	--
<i>Festuca paradoxa</i>	Cluster Fescue Wet Woods And Prairies	S1	G5	S	--
<i>Fimbristylis puberula</i>	Hairy Fimbristylis Wet Prairies And Woods	S1S2	G5	T	--
<i>Gaylussacia dumosa</i>	Dwarf Huckleberry Barrens	S3	G5	T	--
<i>Gentiana puberulenta</i>	Downy Gentian Barrens	S1	G4G5	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
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Coffee County . . . Continued

Known Species: 130

Vascular Plants: 79 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Gymnopogon brevifolius</i>	Broad-leaved Beardgrass Barrens	S1S2	G5	S	--
<i>Helianthemum propinquum</i>	Low Frostweed Barrens	S1S2	G4	E	--
<i>Helianthus eggertii</i>	Eggert's Sunflower Barrens And Roadsides	S3	G3	S	DM
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Hypericum adpressum</i>	Creeping St. John's-wort Edges Of Ponds And Lakes	S1	G3	E	--
<i>Iris prismatica</i>	Slender Blue Flag Wet Barrens	S2S3	G4G5	T	--
<i>Isoetes melanopoda</i>	Blackfoot Quillwort Wet Fields	S1S2	G5	E	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lachnanthes caroliana</i>	Carolina Redroot Acidic Wetlands And Barrens	S1	G4	E	--
<i>Lathyrus palustris</i>	Marsh Pea Wet Woods & Marshes	S1	G5	S	--
<i>Lechea pulchella</i>	Leggett's Pinweed Barrens	S1	G5	E	--
<i>Lespedeza angustifolia</i>	Narrowleaf Bushclover Barrens	S2	G5	T	--
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Liparis loeselii</i>	Fen Orchis Calcareous Seeps	S1	G5	T	--
<i>Listera australis</i>	Southern Twayblade Wet-Mesic Woods	S1S2	G4	E	--
<i>Lobelia canbyi</i>	Canby's Lobelia Oak Barrens, Wet Areas	S2S3	G4	T	--
<i>Ludwigia sphaerocarpa</i>	Globe-fruited False-loosestrife Swamps And Shallow Pools	S1	G5	T	--
<i>Lycopodiella alopecuroides</i>	Foxtail Clubmoss Wet Acidic Barrens	S2	G5	T	--
<i>Lysimachia terrestris</i>	Swamp Loosestrife Wet Prairies And Swamps	S1	G5	E	--
<i>Marshallia trinervia</i>	Broad-leaved Barbara's-buttons Rocky Ravines	S2S3	G3	T	--



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Coffee County . . . Continued

Known Species: 130

Vascular Plants: 79 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Melanthium latifolium</i>	Broadleaf Bunchflower Oak Forest	S1S2	G5	E	--
<i>Muhlenbergia torreyana</i>	Torrey's Dropseed Oak Barren Bogs	S1	G3	E	--
<i>Myriophyllum pinnatum</i>	Cutleaf Water-milfoil Acidic Wetland And Ponds	S1	G5	T	--
<i>Nestronia umbellula</i>	Nestronia Upland Woods	S1	G4	E	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Panicum hemitomom</i>	Maidencane Ponds In Barrens	S2	G5?	S	--
<i>Parnassia grandifolia</i>	Large-leaved Grass-of-parnassus Calcareous Seeps	S3	G3	S	--
<i>Pedicularis lanceolata</i>	Swamp Lousewort Wet Acidic Barrens And Seeps	S1S2	G5	S	--
<i>Platanthera integra</i>	Yellow Fringeless Orchid Wet Barrens	S1	G3G4	E	--
<i>Platanthera nivea</i>	Snowy Orchid Wet Barrens	S1	G5	E	--
<i>Pogonia ophioglossoides</i>	Rose Pogonia Wet Acidic Barrens	S2	G5	E	--
<i>Polygala nuttallii</i>	Nuttall's Milkwort Prairies	S1	G5	E	--
<i>Prenanthes aspera</i>	Rough Rattlesnake-root Barrens And Roadsides	S1	G4?	E	--
<i>Prunus pumila</i>	Sand Cherry Barrens	S1	G5	E	--
<i>Rhynchospora caduca</i>	Falling Beaked-rush Marshes, Wet Ground	S1	G5	S	--
<i>Rhynchospora chalarocephala</i>	Loose-headed Beakrush Wet Barrens	S1	G5	T	--
<i>Rhynchospora perplexa</i>	Obscure Beak-rush Marshes, Wet Barrens	S2	G5	T	--
<i>Sagittaria graminea</i>	Grassleaf Arrowhead Ponds And Stream Margins	S1	G5	T	--
<i>Scleria verticillata</i>	Low Nutrush Wet Prairies And Fens	S2	G5	S	--
<i>Silene ovata</i>	Ovate Catchfly Open Oak Woods	S2	G3	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
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Coffee County . . . Continued

Known Species: 130

Vascular Plants: 79 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Silphium pinnatifidum</i>	Southern Prairie-dock Barrens	S2	G3Q	T	--
<i>Solidago stricta var. gracillima</i>	Virginia goldenrod Wet Barrens And Fields	S1	G4?	S	--
<i>Symphotrichum pratense</i>	Barrens Silky Aster Barrens	S1	G4?	E	--
<i>Talinum calcaricum</i>	Limestone Fame-flower Glades	S3	G3	S	--
<i>Triantha racemosa</i>	Coastal False-asphodel Wet Barrens	S1	G5	E	--
<i>Trichomanes boschianum</i>	Bristle-fern Rocky Seeps	S1S2	G4	T	--
<i>Trillium pusillum</i>	Least Trillium Alluvial/Moist Ravines And Dry Ridges	S2	G3	E	--
<i>Utricularia cornuta</i>	Horned Bladderwort Wet Prairies, Pond Margins	S1	G5	E	--
<i>Utricularia subulata</i>	Zigzag Bladderwort Wet Barrens, Ecotones	S1	G5	T	--
<i>Vaccinium elliotii</i>	Mayberry Open Flat Woods And Dry Slopes	S1	G5	E	--
<i>Vaccinium macrocarpon</i>	Cranberry Bogs	S2	G4	T	--
<i>Woodwardia virginica</i>	Virginia Chainfern Acidic Wetlands	S2	G5	S	--
<i>Xyris fimbriata</i>	Fringed Yellow-eyed Grass Acidic Ponds	S1	G5	E	--
<i>Xyris laxifolia var. iridifolia</i>	Wide-leaved Yellow-eyed Grass Pond Margins And Marshes	S2	G4G5T4T5	T	--
<i>Zigadenus leimanthoides</i>	Death-camas Acidic Wetlands	S2	G4Q	T	--

Vertebrate Animals: 25		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ammodramus henslowii</i>	Henslow's Sparrow Damp open fields and meadows with grass interspersed with weeds or shrubs.	S1B	G4	D	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Etheostoma aquali</i>	Coppercheek Darter Primarily in deep riffles, runs, and flowing pools; Duck and Buffalo River watersheds.	S2S3	G2G3	T	--
<i>Etheostoma cinereum</i>	Ashy Darter Small to medium upland rivers with bedrock or gravel substrate and boulders.	S2S3	G2G3	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Coffee County . . . Continued

Known Species: 130

Vertebrate Animals: 25 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Etheostoma forbesi</i>	Barrens Darter Headwaters of the Barren Fork & Hickory Creek drainages; Cumberland River watershed.	S1	G1G2	E	--
<i>Etheostoma luteovinctum</i>	Redband Darter Limestone streams; Nashville Basin & portions of Highland Rim.	S4	G4	D	--
<i>Etheostoma striatulum</i>	Striated Darter Bedrock pools of headwaters and creeks with large slabrock cover; upper Duck River watershed.	S1	G1	T	--
<i>Fundulus julisia</i>	Barrens Topminnow Springs, spring runs, and first- and second-order headwaters and creeks in the Barrens of Cannon, Coffee, & Warren counties.	S1	G1	E	--
<i>Gyrinophilus palleucus</i>	Tennessee Cave Salamander Aquatic cave obligate; cave streams & rimstone pools; Central Basin, Eastern Highland Rim, & Cumberland Plateau.	S2	G2G3	T	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Hemidactylium scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Hyla gratiosa</i>	Barking Treefrog Low wet woods and swamps esp. with ephemeral ponds.	S3	G5	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Percina burtoni</i>	Blotchside Logperch Large creeks and small-medium rivers with low turbidity and gravel-cobble substrates; Tennessee & Cumberland river watersheds.	S2	G2G3	D	--
<i>Percina macrocephala</i>	Longhead Darter Clear, larger upland creeks and small-med rivers, usually in rocky flowing pools upst/dnst rubble riffles; Tenn & Cumb river watersheds.	S2	G3	T	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Rana capito</i>	Carolina Gopher Frog Seasonally flooded ponds in the Barrens of Coffee County.	S1	G3	--	--
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--



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Coffee County . . . Continued

Known Species: 130

Vertebrate Animals: 25 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Coffee --

Crockett County

Known Species: 3

Vascular Plants: 2		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carex reniformis</i>	Reniform Sedge Rich Bottomland Woods	S1	G4?	S	--
<i>Iris fulva</i>	Copper Iris Bottomlands	S2	G5	T	--

Vertebrate Animals: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--

-- End of Crockett --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Cumberland County **Known Species: 66**

Ecological Systems: 1	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<p><i>Acer rubrum</i> var. <i>trilobum</i> - <i>Nyssa sylvatica</i> / <i>Osmunda</i> <i>cinnamomea</i> - <i>Chasmanthium</i> <i>laxum</i> - <i>Carex intumescens</i> / <i>Sphagnum lescurii</i> Forest</p>	Cumberland Forested Acidic Seep	S2S3	G3?	--	--
Invertebrate Animals: 11	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Caecidotea circulus</i>	A Cave Obligate Isopod Aquatic cave obligate; Cumberland Plateau.	S1	G1G2	--	--
<i>Caecidotea scyphus</i>	A Cave Obligate Isopod Aquatic cave obligate; Grassy Cove; Cumberland County.	S1	G1G2	--	--
<i>Cambarus hamulatus</i>	Prickly Cave Crayfish Aquatic cave obligate; Sequatchie Valley & southern Cumberlands.	S3	G3G4	--	--
<i>Cambarus pristinus</i>	Pristine Crayfish Under cover in small-large size streams; headwaters of Caney Fork River & abutting Sequatchie River tributaries; Cumberland Plateau.	S2	G2	E	--
<i>Kleptochthonius infernalis</i>	A Cave Obligate Pseudoscorpion Terrestrial cave obligate; Grassy Cove; Cumberland County.	S1	G1	--	--
<i>Ophiogomphus alleghaniensis</i>	Allegheny Snaketail Riffle areas of spring-fed streams; Cumberland Plateau, Ridge & Valley, & Blue Ridge; not watershed specific.	S1	G3T2T3	--	--
<i>Pseudanophthalmus jonesi</i>	Grassy Cove Cave Beetle Terrestrial cave obligate; Grassy Cove; Cumberland County.	S1S2	G1G2	--	--
<i>Stenotrema edgarianum</i>	Sequatchie Slitmouth On logs and in leaf litter on forested hillsides; southern Sequatchie Valley extending north to Crab Orchard.	S2S3	G2G3	--	--
<i>Vertigo pygmaea</i>	Crested Vertigo A calciphile; generally found in low, grassy habitats; Grassy Cove & Crab Orchard; Cumberland County.	S1	G5	--	--
<i>Villosa perpurpurea</i>	Purple Bean Creeks to medium-sized rivers, headwaters, in riffles with coarse sand & gravel & some silt; upper Tennessee River watershed.	S1	G1	E	LE
<i>Villosa trabalis</i>	Cumberland Bean Riffle areas of small rivers & streams in sand, gravel, & cobble substrates with swift current; upper Cumb. & upper Tenn. river systems.	S1	G1	E	LE
Vascular Plants: 39	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Amelanchier sanguinea</i>	Roundleaf Shadbush Rocky Slopes And River Banks	S2	G5	T	--
<i>Berberis canadensis</i>	American Barberry Rocky Woods And River Bars	S2	G3	S	--
<i>Calamovilfa arcuata</i>	Cumberland Sandgrass Rocky And Sandy River Bars	S2	G2	E	--



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Cumberland County . . . Continued

Known Species: 66

Vascular Plants: 39 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Campanula aparinoides</i>	Marsh Bellflower Bogs	S2	G5	S	--
<i>Carex buxbaumii</i>	Brown Bog Sedge Swamps	S1	G5	T	--
<i>Conradina verticillata</i>	Cumberland Rosemary Sandy, Rocky River Banks And Bars	S3	G3	T	LT
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Danthonia epilis</i>	Bog Oat-grass Acidic Seeps	S1S2	G3G4	S	--
<i>Diamorpha smallii</i>	Small's Stonecrop Sandstone Outcrops	S1S2	G4	E	--
<i>Dichantherium ensifolium ssp. ensifolium</i>	Small-leaved Panicgrass Moist Pine Barrens	S2	GNR	S	--
<i>Drosera capillaris</i>	Pink Sundew Acidic Wetlands	S1	G5	T	--
<i>Eriophorum virginicum</i>	Tawny Cotton-grass Bogs	S1S2	G5	E	--
<i>Helianthus occidentalis</i>	Naked-stem Sunflower Limestone Glades And Barrens; Roadsides	S2	G5	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Lachnocaulon anceps</i>	Bog-buttons Acidic Open Wetlands	SH	G5	E-P	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lilium philadelphicum</i>	Wood Lily Dry Openings, Powerlines	S1	G5	E	--
<i>Lobelia canbyi</i>	Canby's Lobelia Oak Barrens, Wet Areas	S2S3	G4	T	--
<i>Marshallia grandiflora</i>	Large-fl. Barbara's-buttons Rocky River Bars	S2	G2	E	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Paronychia argyrocoma</i>	Silverling Dry Sandstone, Granite Outcrops	S1S2	G4	T	--
<i>Pedicularis lanceolata</i>	Swamp Lousewort Wet Acidic Barrens And Seeps	S1S2	G5	S	--
<i>Platanthera integrilabia</i>	White Fringeless Orchid Acidic Seeps And Stream Heads	S2S3	G2G3	E	C



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Cumberland County . . . Continued

Known Species: 66

Vascular Plants: 39 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Poa saltuensis</i>	Drooping Bluegrass Rich Oak Woods	S1	G5	T	--
<i>Pogonia ophioglossoides</i>	Rose Pogonia Wet Acidic Barrens	S2	G5	E	--
<i>Potamogeton amplifolius</i>	Large-leaf Pondweed Lakes And Streams	S1	G5	T	--
<i>Potamogeton epihydrus</i>	Nuttall's Pondweed Lakes And Streams	S1S2	G5	S	--
<i>Potamogeton tennesseensis</i>	Tennessee Pondweed Slow Acidic Streams	S2	G2	T	--
<i>Ribes curvatum</i>	Granite Gooseberry Rocky Woods	S1	G4	T	--
<i>Sagittaria platyphylla</i>	Ovate-leaved Arrowhead Swamps, Emergent	S2S3	G5	S	--
<i>Sarracenia oreophila</i>	Green Pitcher Plant Open, Wet Streambanks	SX	G2	E-P	LE
<i>Schoenoplectus subterminalis</i>	Water Bulrush Ponds And Stream Margins	S1	G4G5	S	--
<i>Scutellaria saxatilis</i>	Rock Skullcap Rocky Woods And Moist Cliffs	S3	G3	T	--
<i>Spiraea virginiana</i>	Virginia Spiraea Stream Bars And Ledges	S2	G2	E	LT
<i>Spiranthes ochroleuca</i>	Yellow Nodding Ladies'-tresses Moist Mountain Woods	SH	G4	E-P	--
<i>Symphyotrichum pratense</i>	Barrens Silky Aster Barrens	S1	G4?	E	--
<i>Trillium pusillum</i>	Least Trillium Alluvial/Moist Ravines And Dry Ridges	S2	G3	E	--
<i>Utricularia resupinata</i>	Resupinate Bladderwort Ponds, Lake Margins	S1	G4	S	--
<i>Utricularia subulata</i>	Zigzag Bladderwort Wet Barrens, Ecotones	S1	G5	T	--
Vertebrate Animals: 15		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aimophila aestivalis</i>	Bachman's Sparrow Dry open pine or oak woods; nests on the ground in dense cover.	S1B	G3	E	--
<i>Aneides aeneus</i>	Green Salamander Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	S3S4	G3G4	--	--



**Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties**



Cumberland County . . . Continued

Known Species: 66

Vertebrate Animals: 15 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Desmognathus welteri</i>	Black Mountain Salamander Spring runs and permanent streams in wooded mountainous terrain; northern Cumberlands.	S3	G4	D	--
<i>Erimonax monachus</i>	Spotfin Chub Clear upland rivers with swift currents & boulder substrates; portions of the Tennessee River watershed.	S2	G2	T	LT,XN, PXN
<i>Hemidactylum scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Mustela nivalis</i>	Least Weasel Old fields, hedgerows, and forested areas; Appalachian Mountains, Ridge & Valley, & Cumberland Plateau.	S2	G5	--	--
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--

-- End of Cumberland --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Davidson County **Known Species: 74**

Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Nashville Basin Limestone Glade</i>	Nashville Basin Limestone Glade, Barrens, and Woodland	SNR	GNR	--	--
Ecological Systems: 2		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Dalea foliosa</i> - <i>Mecardonia acuminata</i> - <i>Mitreola petiolata</i> <i>Herbaceous Vegetation</i>	Limestone Glade Streamside Meadow	S2?	G2?	--	--
<i>Quercus stellata</i> / <i>Viburnum rufidulum</i> / <i>Schizachyrium scoparium</i> - (<i>Sorghastrum nutans</i> , <i>Helianthus eggertii</i>) <i>Woodland</i>	Western Highland Rim Escarpment Post Oak Barrens	S2	G2G3	--	--
Invertebrate Animals: 7		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Epioblasma brevidens</i>	Cumberlandian Combshell Large creeks to large rivers, in coarse sand or mixtures of gravel, cobble, or rocks; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Epioblasma florentina walkeri</i>	Tan Riffleshell Found in river headwaters, in riffles and shoals in sand and gravel substrates; Tennessee & Cumberland river systems.	S1	G1T1	E	LE
<i>Lithasia duttoniana</i>	Helmet Rocksnail Rocky substrates in riffle systems; bedrock in flowing water below main section of riffles; Duck River (TN River system).	S2	G2Q	--	--
<i>Orconectes shoupi</i>	Nashville Crayfish 1st-order & larger streams, generally with bedrock bottom, under slabrock; endemic to Mill Creek watershed; Davidson & William. cos.	S1S2	G1G2	E	LE
<i>Pseudanophthalmus insularis</i>	Baker Station Cave Beetle Terrestrial cave obligate; northern Central Basin; known from single historical record in Davidson County.	S1	GH	--	C
<i>Simpsonaias ambigua</i>	Salamander Mussel 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.	S1	G3	--	--
<i>Sphalloplana buchanani</i>	A Cave Obligate Planarian Aquatic cave obligate; northern Central Basin; Davidson County; taxonomy poorly understood.	S1	G1G2	--	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 45		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Allium stellatum</i>	Glade Onion Glades	S1	G5	E	--
<i>Ammoselinum popei</i>	Pope's Sand-parsley Glades	S2	G4	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Davidson County . . . Continued

Known Species: 74

Vascular Plants: 45 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Amsonia tabernaemontana</i> var. <i>gattingeri</i>	Limestone Blue Star Glades, Barrens, And Rocky River Bars	S3	G5T3Q	S	--
<i>Anemone caroliniana</i>	Carolina Anemone Glades And Cedar Woodlands	S1S2	G5	E	--
<i>Apios priceana</i>	Price's Potato-bean Openings In Rich Woods	S2	G2	E	LT
<i>Arabis perstellata</i>	Braun's Rockcross Limestone Bluffs	S1	G2	E	LE
<i>Arabis shortii</i>	Short's Rock-cress Wooded Bluffs & Floodplains	S1S2	G5	S	--
<i>Astragalus bibullatus</i>	Pyne's Ground-plum Ordovician Limestone Glades	S1	G1	E	LE
<i>Astragalus tennesseensis</i>	Tennessee Milk-vetch Glades	S3	G3	S	--
<i>Carex davisii</i>	Davis' Sedge Bottomlands, Riparian Soils	S1	G4	S	--
<i>Carex hirtifolia</i>	Pubescent Sedge Lowland Forests	S1S2	G5	S	--
<i>Carex oxylepis</i> var. <i>pubescens</i>	Hairy Sharp-scaled Sedge Wooded Bluffs, Floodplains	S1	G5?T3	S	--
<i>Castanea dentata</i>	American Chestnut Mesic To Dry Forests	S2S3	G4	S	--
<i>Cimicifuga rubifolia</i>	Appalachian Bugbane Rich Woods	S3	G3	T	--
<i>Crataegus harbisonii</i>	Harbison's Hawthorn Dry Rocky Calcareous Woods	S1	G1	E	--
<i>Dalea candida</i>	White Prairie-clover Barrens	S2	G5	S	--
<i>Dalea foliosa</i>	Leafy Prairie-clover Rocky Washes In Glades	S2S3	G2G3	E	LE
<i>Dalea purpurea</i>	Purple Prairie-clover Barrens	S1	G5	E	--
<i>Echinacea tennesseensis</i>	Tennessee Coneflower Ordovician Limestone Glades	S2	G2	E	LE
<i>Elymus svensonii</i>	Svenson's Wild-rye Rocky Bluffs	S2	G3	E	--
<i>Erysimum capitatum</i>	Western Wallflower Rocky Bluffs	S1S2	G5	E	--
<i>Evolvulus nuttallianus</i>	Evolvulus Glades	S3	G5	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Davidson County . . . Continued

Known Species: 74

Vascular Plants: 45 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Helianthus eggertii</i>	Eggert's Sunflower Barrens And Roadsides	S3	G3	S	DM
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Hydrocotyle americana</i>	American Water-pennywort Wet Soils And Pools	S1	G5	E	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Leavenworthia exigua var. exigua</i>	Glade-cress Glades	S3	G4T3	S	--
<i>Lesquerella densipila</i>	Duck River Bladderpod Cultivated Fields	S3	G3	T	--
<i>Lesquerella globosa</i>	Short's Bladderpod Limestone Talus Slopes And Cliffs	S2	G2	E	C
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Lonicera flava</i>	Yellow Honeysuckle Rocky Woods And Thickets	S1	G5?	T	--
<i>Mirabilis albida</i>	Pale Umbrella-wort Glades	S2	G5	T	--
<i>Onosmodium hispidissimum</i>	Shaggy False Gromwell Dry Woods	S1	G4	E	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Perideridia americana</i>	Thicket Parsley Cedar Barrens	S2	G4	E	--
<i>Phlox bifida ssp. stellaria</i>	Glade Cleft Phlox Glades	S3	G5?T3	T	--
<i>Polytaenia nuttallii</i>	Prairie Parsley Prairies And Open Dry Areas	S1	G5	T	--
<i>Ranunculus aquatilis var. diffusus</i>	White Water-buttercup Ponds And Streams	S1	G5T5	E	--
<i>Schoenolirion croceum</i>	Yellow Sunnybell Wet Areas In Glades	S3	G4	T	--
<i>Stellaria fontinalis</i>	Water Stitchwort Seeps And Limestone Creek Beds	S3	G3	T	--
<i>Symphotrichum praealtum</i>	Willow Aster Moist Prairies And Marshes	S1	G5	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Davidson County . . . Continued

Known Species: 74

Vascular Plants: 45 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Talinum calcaricum</i>	Limestone Fame-flower Glades	S3	G3	S	--
<i>Vitis rupestris</i>	Sand Grape Sandy, Rocky Riverbanks	S1	G3	E	--
<i>Zanthoxylum americanum</i>	Northern Prickly-ash Cedar Thickets	S2	G5	S	--
Vertebrate Animals: 18		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acipenser fulvescens</i>	Lake Sturgeon Bottoms of large, clean rivers and lakes.	S1	G3G4	E	--
<i>Aimophila aestivalis</i>	Bachman's Sparrow Dry open pine or oak woods; nests on the ground in dense cover.	S1B	G3	E	--
<i>Ambystoma barbouri</i>	Streamside Salamander Seasonally ephemeral karst streams; middle Tennessee.	S2	G4	D	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Etheostoma luteovinctum</i>	Redband Darter Limestone streams; Nashville Basin & portions of Highland Rim.	S4	G4	D	--
<i>Etheostoma microlepidum</i>	Smallscale Darter Small rivers, in deep, strongly flowing riffles with gravel, boulder, and coarse rubble substrates; Cumberland River drainage.	S2	G2G3	D	--
<i>Falco peregrinus</i>	Peregrine Falcon Varied habitats including farmlands, marshes, river mouths, and cities; often nests on ledges.	S1B	G4	E	No Status
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Ixobrychus exilis</i>	Least Bittern Marshes with scattered bushes or other woody growth; readily uses artificial wetland habitats.	S2B	G5	D	--
<i>Macrochelys temminckii</i>	Alligator Snapping Turtle Slow moving, deep water of rivers, sloughs, oxbows, swamps, and lakes; middle and west Tennessee; obscure.	S2S3	G3G4	D	--
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Davidson County . . . Continued

Known Species: 74

Vertebrate Animals: 18 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Percina phoxocephala</i>	Slenderhead Darter Small-large rivers with moderate gradient in shoal areas with moderate-swift currents; portions of Tenn & Cumb river watersheds.	S3	G5	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Davidson --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Decatur County

Known Species: 37

Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Juniperus virginiana</i> / <i>Schizachyrium scoparium</i> - (<i>Andropogon gerardii</i> , <i>Sorghastrum nutans</i>) - <i>Silphium</i> (<i>trifoliatum</i> , <i>terebinthaceum</i>) Wooded Herbaceous Vegetation	Western Tennessee Valley Limestone Hill Barrens	SNR	G2	--	--
Invertebrate Animals: 7		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cumberlandia monodonta</i>	Spectaclecase Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.	S2S3	G3	--	C
<i>Cyprogenia stegaria</i>	Fanshell Medium to large streams and rivers with coarse sand and gravel substrates; Cumberland and Tennessee river systems.	S1	G1Q	E	LE
<i>Lampsilis abrupta</i>	Pink Mucket Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	S2	G2	E	LE
<i>Lithasia salebrosa</i>	Muddy Rocksnail Formerly occurred in portions of lower Cumberland and lower Tennessee systems; may be limited to dam tailwaters currently.	S2	G3G4Q	--	--
<i>Obovaria retusa</i>	Ring Pink Large rivers in gravel and sand bars; Tennessee & Cumberland river watersheds; many historic locations currently inundated.	S1	G1	E	LE
<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.	S1	G1	E	LE
<i>Vertigo teskeyae</i>	Swamp Vertigo Wet habitats, pond margins, swamps, muddy bottomlands; tributary creeks of lower Tennessee River.	S1	G5	--	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 19		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acalypha deamii</i>	Deam's Copperleaf Mesic Woods-Sandbars	S1	G4?	S	--
<i>Arabis glabra</i>	Tower-mustard Barrens And Open Floodplains	S1	G5	S	--
<i>Arabis hirsuta</i>	Western Hairy Rockcress Glades And Limestone Bluffs	S1	G5	T	--
<i>Cypripedium kentuckiense</i>	Southern Lady's-slipper Riparian Forests	S2	G3	E	--
<i>Draba cuneifolia</i>	Wedge-leaved Whitlow-grass Barrens And Glades	S1S2	G5	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Decatur County . . . Continued

Known Species: 37

Vascular Plants: 19 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Eleocharis compressa</i>	Flat-stemmed Spike-rush Wet Limestone Glades	S1	G4	S	--
<i>Fimbristylis puberula</i>	Hairy Fimbristylis Wet Prairies And Woods	S1S2	G5	T	--
<i>Helianthus occidentalis</i>	Naked-stem Sunflower Limestone Glades And Barrens; Roadsides	S2	G5	S	--
<i>Leavenworthia exigua var. exigua</i>	Glade-cress Glades	S3	G4T3	S	--
<i>Liatris cylindracea</i>	Slender Blazing-star Barrens	S2	G5	T	--
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Onosmodium molle ssp. occidentale</i>	Western False Gromwell Glades	S1S2	G4G5T4?	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Polygala mariana</i>	Maryland Milkwort Sandy Alluvial Woods And Disturbed Areas	S1	G5	S	--
<i>Prenanthes aspera</i>	Rough Rattlesnake-root Barrens And Roadsides	S1	G4?	E	--
<i>Prenanthes barbata</i>	Bearded Rattlesnake-root Barrens And Dry Woodlands	S2	G3	S	--
<i>Salvia azurea var. grandiflora</i>	Blue Sage Barrens	S3	G4G5T4?	S	--
<i>Spiranthes magnicamporum</i>	Great Plains Ladies'-tresses Glades	S1	G4	S	--
<i>Symphotrichum pratense</i>	Barrens Silky Aster Barrens	S1	G4?	E	--

Vertebrate Animals: 9		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Chondestes grammacus</i>	Lark Sparrow Open habitats with scattered bushes and trees, prairie, cultivated areas, fields with bushy borders; ground nester.	S1B	G5	T	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Ichthyomyzon unicuspis</i>	Silver Lamprey Lakes, reservoirs, & large rivers; lower Cumberland, lower Tennessee, and probably Mississippi river watersheds.	S2	G5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Decatur County . . . Continued

Known Species: 37

Vertebrate Animals: 9 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Sistrurus miliarius streckeri</i>	Western Pygmy Rattlesnake Usually near water in river floodplains, swamps, marshes, and wet prairies; occas drier wooded uplands; W half of Tenn., generally.	S2S3	G5T5	T	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--

-- End of Decatur --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



DeKalb County

Known Species: 43

Ecological Systems: 2	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Carex lurida</i> - <i>Carex leptalea</i> - <i>Parnassia grandifolia</i> - <i>Juncus brachycephalus</i> - (<i>Xyris tennesseensis</i>) <i>Herbaceous Vegetation</i>	Highland Rim Parnassia Seepage Fen	SNR	G1	--	--
<i>Scirpus cyperinus</i> - <i>Panicum rigidulum</i> - <i>Rhynchospora corniculata</i> - (<i>Dulichium arundinaceum</i>) <i>Herbaceous Vegetation</i>	Highland Rim Pond (Threeway Sedge Subtype)	S2	G2G3	--	--
Invertebrate Animals: 16	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Cambarus clivosus</i>	Short Mountain Crayfish	S2	G2	--	--
	Occurs in spring- or seep-fed tributaries of Caney Fork & Stones rivers; escarpment of E Highland Rim in Cannon & DeKalb counties.				
<i>Cumberlandia monodonta</i>	Spectaclecase	S2S3	G3	--	C
	Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.				
<i>Cyprogenia stegaria</i>	Fanshell	S1	G1Q	E	LE
	Medium to large streams and rivers with coarse sand and gravel substrates; Cumberland and Tennessee river systems.				
<i>Dromus dromas</i>	Dromedary Pearlymussel	S1	G1	E	LE
	Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.				
<i>Epioblasma brevidens</i>	Cumberlandian Combshell	S1	G1	E	LE
	Large creeks to large rivers, in coarse sand or mixtures of gravel, cobble, or rocks; Tennessee & Cumberland river systems.				
<i>Epioblasma capsaeformis</i>	Oyster Mussel	S1	G1	E	LE
	Shallow riffles in mod-swift current of small-medium rivers with coarse sand and gravel; Tennessee & Cumberland river systems.				
<i>Kleptochthonius myopius</i>	A Cave Obligate Pseudoscorpion	S1	G1	--	--
	Terrestrial cave obligate; Eastern Highland Rim.				
<i>Lampsilis abrupta</i>	Pink Mucket	S2	G2	E	LE
	Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.				
<i>Plethobasus cicatricosus</i>	White Wartyback	S1	G1	E	LE
	Presumed to inhabit shoals and riffles in large rivers; Tennessee & Cumberland river systems. Very rare & poss extirpated in TN.				
<i>Pleurobema clava</i>	Clubshell	SH	G2	E	LE
	Small/med-sized rivers and streams; deeply buried in sand/fine gravel or in clean, coarse sand/gravel runs; lower Cumb. & Tenn. rivers.				
<i>Pseudanopthalmus farrelli</i>	A Cave Obligate Beetle	S1S2	G2G3	--	--
	Terrestrial cave obligate; eastern Highland Rim escarpment.				
<i>Pseudanopthalmus tiresias</i>	Indian Grave Point Cave Beetle	S1	G1	--	C
	Terrestrial cave obligate; Eastern Highland Rim; DeKalb County.				
<i>Pseudotremia cercops</i>	A Cave Obligate Millipede	S1	G1	--	--
	Terrestrial cave obligate; Eastern Highland Rim escarpment; reported from DeKalb County.				



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



DeKalb County . . . Continued

Known Species: 43

Invertebrate Animals: 16 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Pseudotremia lictor</i>	A Cave Obligate Millipede Terrestrial cave obligate; Eastern Highland Rim; DeKalb County.	S1	G1	--	--
<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot Large rivers in sand and gravel; Tennessee & Cumberland systems; big river form of <i>Q. cylindrica</i> .	S3	G3G4T3	--	--
<i>Villosa trabalis</i>	Cumberland Bean Riffle areas of small rivers & streams in sand, gravel, & cobble substrates with swift current; upper Cumb. & upper Tenn. river systems.	S1	G1	E	LE
Vascular Plants: 17		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acalypha deamii</i>	Deam's Copperleaf Mesic Woods-Sandbars	S1	G4?	S	--
<i>Allium burdickii</i>	Narrow-leaf Ramps Rich Woods	S1S2	G4G5	T-CE	--
<i>Allium tricoccum</i>	Ramps Rich Woods	S1S2	G5	S-CE	--
<i>Apios priceana</i>	Price's Potato-bean Openings In Rich Woods	S2	G2	E	LT
<i>Caulophyllum giganteum</i>	Giant Blue Cohosh Rich Woods	S1	G4G5Q	T	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Draba ramosissima</i>	Branching Whitlow-grass Calcareous Bluffs	S2	G4	S	--
<i>Elymus svensonii</i>	Svenson's Wild-rye Rocky Bluffs	S2	G3	E	--
<i>Eriogonum longifolium var. harperi</i>	Harper's Umbrella-plant Rocky Bluffs	S1	G4T2	E	--
<i>Erysimum capitatum</i>	Western Wallflower Rocky Bluffs	S1S2	G5	E	--
<i>Erythronium rostratum</i>	Beaked Trout-lily Mesic Woods And Slopes	S2	G5	S	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Liparis loeselii</i>	Fen Orchis Calcareous Seeps	S1	G5	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Parnassia grandifolia</i>	Large-leaved Grass-of-parnassus Calcareous Seeps	S3	G3	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



DeKalb County . . . Continued

Known Species: 43

Vascular Plants: 17 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Prenanthes crepidinea</i>	Nodding Rattlesnake-root Rich Bottomlands	S2	G4	E	--
<i>Trillium pusillum</i>	Least Trillium Alluvial/Moist Ravines And Dry Ridges	S2	G3	E	--
Vertebrate Animals: 8		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aneides aeneus</i>	Green Salamander Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	S3S4	G3G4	--	--
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Etheostoma olivaceum</i>	Sooty Darter Small streams with slabrock on limestone bedrock; Nashville Basin tribs to Cumberland & lower Caney Fork rivers.	S3	G3	D	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--

-- End of DeKalb --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Dickson County

Known Species: 25

Invertebrate Animals: 6		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Amergoniscus nicholasi</i>	A Cave Obligate Isopod Terrestrial cave obligate; known from two caves; Western Highland Rim and Ridge & Valley.	S1S2	G1G2	--	--
<i>Batrisodes barri</i>	A Cave Obligate Beetle Terrestrial cave obligate; Western Highland Rim; Dickson County.	S1S2	G1G2	--	--
<i>Batrisodes gemmoides</i>	A Cave Obligate Beetle Terrestrial cave obligate; Western Highland Rim; reported from Dickson County.	S1	G1	--	--
<i>Batrisodes gemmus</i>	A Cave Obligate Beetle Terrestrial cave obligate; Western Highland Rim; reported from Dickson County.	S1	G1	--	--
<i>Lithasia geniculata fuliginosa</i>	Geniculate River Snail Medium-sized river form of <i>L. geniculata</i> ; portions of lower Cumberland and lower Tennessee river systems; Duck & Buffalo rivers.	S2	G3T3Q	--	--
<i>Ophiogomphus acuminatus</i>	Acuminate Snaketail Clear, mostly shaded streams with at least pockets of sandy gravel; Western Highland Rim & Western Uplands.	S2	G3	--	--
Vascular Plants: 13		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Agalinis oligophylla</i>	Ridge-stem False-foxglove Barrens	S1	G4	E	--
<i>Hasteola suaveolens</i>	Sweet-scented Indian-plantain Alluvial Woods, Moist Slopes	S2	G4	T	--
<i>Helianthus eggertii</i>	Eggert's Sunflower Barrens And Roadsides	S3	G3	S	DM
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lesquerella densipila</i>	Duck River Bladderpod Cultivated Fields	S3	G3	T	--
<i>Lesquerella globosa</i>	Short's Bladderpod Limestone Talus Slopes And Cliffs	S2	G2	E	C
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Melanthium latifolium</i>	Broadleaf Bunchflower Oak Forest	S1S2	G5	E	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Prenanthes barbata</i>	Bearded Rattlesnake-root Barrens And Dry Woodlands	S2	G3	S	--
<i>Sagittaria graminea</i>	Grassleaf Arrowhead Ponds And Stream Margins	S1	G5	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Dickson County . . . Continued

Known Species: 25

Vascular Plants: 13 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Spiranthes ochroleuca</i>	Yellow Nodding Ladies'-tresses Moist Mountain Woods	SH	G4	E-P	--
Vertebrate Animals: 6		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Etheostoma pseudovulatum</i>	Egg-mimic Darter Small to medium sized, gravelly, cool, spring-fed streams; lower Duck River watershed.	S1	G1	E	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Hemidactylium scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--

-- End of Dickson --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Dyer County **Known Species: 17**

Invertebrate Animals: 2	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Fallicambarus hortonii</i>	Hatchie Burrowing Crayfish Primary burrower; uses saturated or seasonally saturated soils associated with permanent bodies of water; Mississippi River tributaries, Coastal Plain.	S1 G1	E	--
<i>Webbhelix multilineata</i>	Striped Whitelip Low wet habitats, marshes, floodplains, meadows; lake margins; under leaf litter or drift; Mississippi River floodplain.	S2 G5	--	--
Other Types: 1	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR GNR	--	--
Vascular Plants: 5	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carex hyalina</i>	Tissue Sedge Forested Bottomland Swamps	S1 G4	S	--
<i>Carex lacustris</i>	Lake-bank Sedge Alluvial Woods	S1 G5	T	--
<i>Didiplis diandra</i>	Water-purslane Swamps	S1 G5	T	--
<i>Iris fulva</i>	Copper Iris Bottomlands	S2 G5	T	--
<i>Zanthoxylum americanum</i>	Northern Prickly-ash Cedar Thickets	S2 G5	S	--
Vertebrate Animals: 9	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ardea alba</i>	Great Egret Marshes, swampy woods, streams, lakes, and ponds; also fields and meadows; colonial nester.	S2B,S3N G5	D	--
<i>Atractosteus spatula</i>	Alligator Gar Sluggish pools of large rivers, oxbows, swamps, and backwaters; west Tennessee.	S1 G3G4	D	--
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3 G3G4	D	--
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2 G3G4	T	--
<i>Egretta caerulea</i>	Little Blue Heron Bodies of calm shallow water; colonial nester.	S2B,S3N G5	D	--
<i>Ictinia mississippiensis</i>	Mississippi Kite Undisturbed stands of lowland and floodplain forests and along major rivers.	S2S3 G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3 G4	D	--
<i>Scaphirhynchus albus</i>	Pallid Sturgeon Large, turbid, free-flowing riverine habitat, in strong current over firm gravel or sandy substrates; Mississippi River main channel.	S1 G2	E	LE



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Dyer County . . . Continued

Known Species: 17

Vertebrate Animals: 9 . . . Continued

St. Rank

Global Rank

St. Prot.

Fed. Prot.

Sterna antillarum athalassos

Interior Least Tern

S2S3B

G4T2Q

E

LE

Mississippi River sand bars & islands, dikes.

-- End of Dyer --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Fayette County

Known Species: 16

Invertebrate Animals: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Lampsilis siliquoidea</i>	Fatmucket Slackwater with mud subst; Wolf R (Miss R trib); west TN; may occur at Reelfoot Lk; also rept Drakes Ck (Cumb R), Sumner Co.	S2	G5	--	--
<i>Obovaria jacksoniana</i>	Southern Hickorynut Rivers with medium-sized gravel substrates and low-mod current; Wolf & Hatchie rivers; Mississippi River watershed; west Tennessee.	S1	G2	--	--
<i>Villosa vibex</i>	Southern Rainbow Mud or soft sand in small rivers & creeks in areas with moderate current; Conasauga, Hatchie, and Wolf (Miss. R.) river systems.	S2	G5Q	--	--
Vascular Plants: 7		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Bulbostylis ciliatifolia</i> var. <i>coarctata</i>	Capillary Hairsedge Upland Pine-Oak Woods	SH	G5T3T5	E-P	--
<i>Carex gravida</i>	Heavy Sedge Rocky River Bluffs	S1	G5	S	--
<i>Festuca paradoxa</i>	Cluster Fescue Wet Woods And Prairies	S1	G5	S	--
<i>Iris fulva</i>	Copper Iris Bottomlands	S2	G5	T	--
<i>Listera australis</i>	Southern Twayblade Wet-Mesic Woods	S1S2	G4	E	--
<i>Penstemon tubiflorus</i>	Small-flowered Beardtongue Moist Woods	S1	G5	S	--
<i>Quercus margarettiae</i>	Sand Post Oak Sandy Hills	S1	G5	S	--
Vertebrate Animals: 6		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aimophila aestivalis</i>	Bachman's Sparrow Dry open pine or oak woods; nests on the ground in dense cover.	S1B	G3	E	--
<i>Hyla gratiosa</i>	Barking Treefrog Low wet woods and swamps esp. with ephemeral ponds.	S3	G5	D	--
<i>Noturus gladiator</i>	Piebald Madtom Large creeks & rivers in moderate-swift currents with clean sand or gravel substrates; Mississippi River tributaries.	S3	G3	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Fayette --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Fentress County

Known Species: 81

Ecological Systems: 1	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Heuchera parviflora</i> var. <i>parviflora</i> - <i>Trichomanes boschianum</i> - <i>Thalictrum mirabile</i> - (<i>Ageratina luciae-brauniae</i> , <i>Solidago albopilosa</i>) Herbaceous Vegetation	Cumberland Plateau Sandstone Rockhouse	SNR	G2	--	--
Invertebrate Animals: 21	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Alasmidonta atropurpurea</i>	Cumberland Elktoe	S1S2	G1G2	E	LE
	Small creeks to medium-sized rivers with slow current, sand substrates, and large cobble; upper Cumberland River watershed.				
<i>Anillinus</i> sp. 5	Flag Trail Cave Beetle	S1	G1	--	--
	Terrestrial cave obligate; northern Cumberlands.				
<i>Appaleptoneta</i> sp. 1	A Leptonetid Spider From Ghost River Cave	S1	G1	--	--
	Terrestrial cave obligate; reported from the northern Cumberlands.				
<i>Batrisodes clypeospecus</i>	A Cave Obligate Beetle	S1S2	G1G2	--	--
	Terrestrial cave obligate; northern Cumberlands.				
<i>Cambarus obeyensis</i>	Obey Crayfish	S2	G2	T	--
	Under cover in small-medium sized streams; headwaters of East Fork Obey River; northern Cumberlands; tertiary burrower.				
<i>Fumonelix wetherbyi</i>	Clifty Covert	S2S3	G2G3	--	--
	Under logs & moist leaf litter of wooded hillsides & ravines; northern Cumberlands, Cumberland Mountains & adj. Ridge & Valley.				
<i>Hesperochernes mirabilis</i>	Southeastern Cave Pseudoscorpion	S3	G5	--	--
	Terrestrial cave obligate; woodrat debris in caves; middle Tennessee.				
<i>Lithasia duttoniana</i>	Helmet Rocksnail	S2	G2Q	--	--
	Rocky substrates in riffle systems; bedrock in flowing water below main section of riffles; Duck River (TN River system).				
<i>Litocampa</i> sp. 6	Buffalo Cove Cave Dipluran	S1	G1	--	--
	Terrestrial cave obligate, northern Cumberlands; possibly endemic to Buffalo Cove, Fentress County.				
<i>Litocampa</i> sp. 8	Mountain Eye Cave Dipluran	S1	G1	--	--
	Terrestrial cave obligate, northern Cumberlands.				
<i>Miktoniscus barri</i>	A Cave Obligate Isopod	S2?	G2G4	--	--
	Terrestrial cave obligate from leaf litter; reported from Western Highland Rim & northern Cumberlands; spotty distribution.				
<i>Nelsonites walteri</i>	A Cave Obligate Beetle	S3	G3G4	--	--
	Terrestrial cave obligate, northern Cumberlands.				
<i>Orconectes australis</i>	Southern Cave Crayfish	S3	G5	--	--
	Aquatic cave obligate; subterranean streams & pools; Eastern Highland Rim escarpment to the Cumberland Plateau.				
<i>Pleurobema oviforme</i>	Tennessee Clubshell	S2S3	G2G3	--	--
	Small, shallow streams & rivers with good current & coarse gravel/sand substrates; Tennessee & Cumberland river systems.				
<i>Pseudanophthalmus</i> sp. 30	Ace in the Hole Cave Beetle	S1	G1	--	--
	Terrestrial cave obligate; Fentress County.				



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Fentress County . . . Continued

Known Species: 81

Invertebrate Animals: 21 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Pseudosinella orba</i>	A Cave Springtail Terrestrial cave obligate; reported from two caves in northern Cumberlands; Fentress & Pickett counties.	S2	G3G4	--	--
<i>Pseudotremia garlandae</i>	Garland's Cave Millipede Terrestrial cave obligate; riparian mud banks in caves of the N Cumberland Plateau; Fentress County.	S1	G1	--	--
<i>Pseudotremia roebuckorum</i>	Roebuck's Cave Millipede Terrestrial cave obligate; collected from riparian mud banks in caves of the N Cumberland Escarpment; Fentress County.	S1	G1	--	--
<i>Scoterpes copei</i>	A Cave Obligate Millipede Terrestrial cave obligate; wet caves of the N Cumberland escarpment; Fentress County.	S1	G1	--	--
<i>Stenotrema angellum</i>	Kentucky Slitmouth Found under logs and leaf litter of forested hillsides and ravines; northern Eastern Highland Rim.	S3	G4	--	--
<i>Triodopsis complanata</i>	Glossy Threetooth Cave associate; also found in leaf litter or around logs or talus; northernmost Cumberlands.	S2	G2	--	--
Nonvascular Plants: 5		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Bryoxiphium norvegicum</i>	Sword Moss Sandstone Rockhouses And Shaded Outcroppings	S1	G5?	T	--
<i>Lophocolea appalachiana</i>	A Liverwort Spray Cliffs	S1	G1G2Q	S	--
<i>Microlejeunea globosa</i>	Cardot's Lejeunea Creekside Edge Of Rockhouse	S1	G3?	S	--
<i>Scopelophila cataractae</i>	Agoyan Cataract Moss Rock Houses, Copper-Rich Soils	S1	G3	S	--
<i>Tetodontium brownianum</i>	Little Georgia Montaine Rocky Seeps And Falls	S1	G3G4	S	--
Vascular Plants: 33		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acer leucoderme</i>	Chalk Maple Circumneutral Rocky Woods	S3	G5	S	--
<i>Ageratina luciae-brauniae</i>	Lucy Braun's White Snakeroot Rockhouses	S3	G3	T	--
<i>Berberis canadensis</i>	American Barberry Rocky Woods And River Bars	S2	G3	S	--
<i>Buckleya distichophylla</i>	Piratebush Rocky Mountain Woods W/ Hemlock	S2	G2	T	--
<i>Campanula aparinoides</i>	Marsh Bellflower Bogs	S2	G5	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Fentress County . . . Continued

Known Species: 81

Vascular Plants: 33 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carex hirtifolia</i>	Pubescent Sedge Lowland Forests	S1S2	G5	S	--
<i>Carex sterilis</i>	Sterile Sedge Wet Calcareous Woods	SH	G4	E-P	--
<i>Conradina verticillata</i>	Cumberland Rosemary Sandy, Rocky River Banks And Bars	S3	G3	T	LT
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Dalea candida</i>	White Prairie-clover Barrens	S2	G5	S	--
<i>Dichanthelium ensifolium ssp. curtifolium</i>	Short-leaved Panic Grass Boggy Areas	S1	G3?	E	--
<i>Dichanthelium ensifolium ssp. ensifolium</i>	Small-leaved Panicgrass Moist Pine Barrens	S2	GNR	S	--
<i>Drosera rotundifolia</i>	Roundleaf Sundew Bogs & Seeps	S1	G5	T	--
<i>Eleocharis equisetoides</i>	Horse-tail Spike-rush Pond Edges And Open Wetlands	S1	G4	E	--
<i>Eriophorum virginicum</i>	Tawny Cotton-grass Bogs	S1S2	G5	E	--
<i>Helenium brevifolium</i>	Shortleaf Sneezeweed Rocky, Sandy Streamsides	S1	G4	E	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Hymenophyllum tayloriae</i>	Taylor's Filmy Fern Moist Rockhouses	S2	G2	S	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lilium philadelphicum</i>	Wood Lily Dry Openings, Powerlines	S1	G5	E	--
<i>Lycopodiella alopecuroides</i>	Foxtail Clubmoss Wet Acidic Barrens	S2	G5	T	--
<i>Minuartia cumberlandensis</i>	Cumberland Sandwort Rockhouses	S2	G2G3	E	LE
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Platanthera integrilabia</i>	White Fringeless Orchid Acidic Seeps And Stream Heads	S2S3	G2G3	E	C



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Fentress County . . . Continued

Known Species: 81

Vascular Plants: 33 . . . Continued	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Pogonia ophioglossoides</i>	S2	G5	E	--
Rose Pogonia Wet Acidic Barrens				
<i>Pycnanthemum verticillatum</i>	SH	G5	E-P	--
Whorled Mountain-mint Upland Woods, Thickets				
<i>Sagittaria graminea</i>	S1	G5	T	--
Grassleaf Arrowhead Ponds And Stream Margins				
<i>Sarracenia oreophila</i>	SX	G2	E-P	LE
Green Pitcher Plant Open, Wet Streambanks				
<i>Spiraea virginiana</i>	S2	G2	E	LT
Virginia Spiraea Stream Bars And Ledges				
<i>Thalictrum coriaceum</i>	S1	G4	T	--
Leatherleaf Meadowrue Alluvial Woods And Moist Bluffs				
<i>Trichomanes boschianum</i>	S1S2	G4	T	--
Bristle-fern Rocky Seeps				
<i>Utricularia subulata</i>	S1	G5	T	--
Zigzag Bladderwort Wet Barrens, Ecotones				
Vertebrate Animals: 21	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aneides aeneus</i>	S3S4	G3G4	--	--
Green Salamander Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.				
<i>Aquila chrysaetos</i>	S1	G5	T	--
Golden Eagle Open country, open wooded country, and barren areas, especially in hilly or mountainous regions.				
<i>Corynorhinus rafinesquii</i>	S3	G3G4	D	--
Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.				
<i>Cryptobranchus alleganiensis</i>	S3	G3G4	D	No Status
Hellbender Rocky, clear creeks and rivers with large shelter rocks.				
<i>Dendroica cerulea</i>	S3B	G4	D	--
Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.				
<i>Desmognathus welteri</i>	S3	G4	D	--
Black Mountain Salamander Spring runs and permanent streams in wooded mountainous terrain; northern Cumberlands.				
<i>Falco peregrinus</i>	S1B	G4	E	No Status
Peregrine Falcon Varied habitats including farmlands, marshes, river mouths, and cities; often nests on ledges.				
<i>Limnothlypis swainsonii</i>	S3	G4	D	--
Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.				
<i>Myotis grisescens</i>	S2	G3	E	LE
Gray Myotis Cave obligate year-round; frequents forested areas; migratory.				
<i>Myotis leibii</i>	S2S3	G3	D	--
Eastern Small-footed Myotis Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.				



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Fentress County . . . Continued

Known Species: 81

Vertebrate Animals: 21 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Napaeozapus insignis</i>	Woodland Jumping Mouse Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	S4	G5	D	--
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Percina burtoni</i>	Blotchside Logperch Large creeks and small-medium rivers with low turbidity and gravel-cobble substrates; Tennessee & Cumberland river watersheds.	S2	G2G3	D	--
<i>Percina squamata</i>	Olive Darter Small-med rivers; in strong flowing chutes with rubble/boulders in high-gradient streams; portions of upper Tenn & Cumb river systems. 	S2	G3	D	--
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Sorex hoyi</i>	American Pygmy Shrew Found in a variety of habitats, with moist sites preferred over dry areas; middle and east Tennessee.	S2	G5	--	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Spilogale putorius</i>	Eastern Spotted Skunk Rocky outcrops, open prairies, brushy areas, cultivated fields, and barnyards; more common in east Tennessee; reclusive.	S3	G5	--	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--

-- End of Fentress --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Franklin County

Known Species: 129

Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Central Interior Highlands and Appalachian Sinkhole and Depression Pond</i>	Highland Rim Sinkhole and Depression Pond	S2S3	GNR	--	--
Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acer rubrum var. trilobum - Nyssa sylvatica / Osmunda cinnamomea - Chasmanthium laxum - Carex intumescens / Sphagnum lescurii Forest</i>	Cumberland Forested Acidic Seep	S2S3	G3?	--	--
Invertebrate Animals: 35		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Anguispira picta</i>	Painted Tigersnail A calciphile; limestone outcrops and cliff faces of karstic woods; S Cumberlands; Sherwood community of upper Crow Creek valley.	S1	G1	E	LT
<i>Cambarincola alienus</i>	A Cave Obligate Worm Aquatic cave obligate; isopod parasite; southern Cumberlands.	S1	G1G2	--	--
<i>Cambarus hamulatus</i>	Prickly Cave Crayfish Aquatic cave obligate; Sequatchie Valley & southern Cumberlands.	S3	G3G4	--	--
<i>Carychium stygium</i>	Cave Thorn Cave obligate; feeds on cricket guano; Highland Rim & escarpment of Cumberland Plateau.	S2	G3	--	--
<i>Dactylocythere steevesi</i>	A Cave Obligate Shrimp Aquatic cave obligate; crayfish commensal; Cumberland Plateau & Eastern Highland Rim generally.	S2S3	G4	--	--
<i>Discus clappi</i>	Channelled Disc A calciphile; leaf litter on rocky wooded hillsides & karst woods; southern Cumberlands; Franklin County.	S1	G1	--	--
<i>Eremidrilus allegheniensis</i>	A Cave Obligate Worm Aquatic cave obligate; rimstone pools & subterranean waters; reported from S Cumberlands; Franklin County.	S1S2	G1G2	--	--
<i>Fusconaia cor</i>	Shiny Pigtoe Shoals and riffles of small-medium sized rivers with mod-fast current over sand-cobble substrates; upper Tennessee River watershed.	S1	G1	E	LE
<i>Fusconaia cuneolus</i>	Finerayed Pigtoe Riffles of fords and shoals of mod gradient streams in firm cobble and gravel substrates; middle & upper Tennessee River watershed.	S1	G1	E	LE
<i>Inflectarius smithi</i>	Alabama Shagreen A calciphile; karst woods, hillsides, ravines; under logs and rocks; southern Cumberlands; Franklin County.	S2	G2	--	--
<i>Kleptochthonius magnus</i>	A Cave Obligate Pseudoscorpion Terrestrial cave obligate; southern Cumberlands.	S1	G1	--	--
<i>Kleptochthonius tantalus</i>	A Cave Obligate Pseudoscorpion Terrestrial cave obligate; southern Cumberlands.	S1	G1	--	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Franklin County . . . Continued

Known Species: 129

Invertebrate Animals: 35 . . . Continued	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Lampsilis virescens</i>	S1	G1	E	LE
Alabama Lampmussel				
Found in sand and gravel substrates in shoal areas of small-medium size rivers; middle and upper TN R system; poss extirpated in TN.				
<i>Leptoxis umbilicata</i>	S1	G1Q	--	--
Umbilicate Rocksnail				
Medium sized rivers & large creeks in portions of lower Cumb. and Tenn. river systems; Stones River; possibly a form or morph.				
<i>Lexingtonia dolabelloides</i>	S2	G2	--	C
Slabside Pearlymussel				
Lg creeks to mod sized rivers, in riffles/shoals of sand, fine gravel, and cobble substrates with mod current; Tennessee R watershed.				
<i>Lithasia geniculata fuliginosa</i>	S2	G3T3Q	--	--
Geniculate River Snail				
Medium-sized river form of <i>L. geniculata</i> ; portions of lower Cumberland and lower Tennessee river systems; Duck & Buffalo rivers.				
<i>Lithasia lima</i>	S2	G2Q	--	--
Warty Rocksnail				
Rocky substrates in riffle systems; Elk River & larger tributaries (Tennessee River watershed).				
<i>Litocampa sp. 5</i>	S1	G2	--	--
A Cave Dipluran From TN				
Terrestrial cave obligate, Cumberland Plateau escarpment.				
<i>Litocampa valentinei</i>	S2	G5	--	--
A Cave Obligate Bristletail				
Terrestrial cave obligate, southern Cumberlands.				
<i>Mesodon sanus</i>	S2S3	G3	--	--
Squat Globelet				
A calciphile; in leaf litter of karst woods, hillsides, ravines; southern Cumberlands; Franklin & Marion counties.				
<i>Orconectes australis</i>	S3	G5	--	--
Southern Cave Crayfish				
Aquatic cave obligate; subterranean streams & pools; Eastern Highland Rim escarpment to the Cumberland Plateau.				
<i>Pegias fabula</i>	S1	G1	E	LE
Littlewing Pearlymussel				
Cool, clear, high-gradient streams in sand, gravel, and cobble substrates, riffles; portions of Cumberland & upper Tenn. river systems.				
<i>Pleurobema oviforme</i>	S2S3	G2G3	--	--
Tennessee Clubshell				
Small, shallow streams & rivers with good current & coarse gravel/sand substrates; Tennessee & Cumberland river systems.				
<i>Porhomma cavernicola</i>	S1?	G5	--	--
Appalachian Cave Spider				
Terrestrial cave obligate; eastern half of Tennessee; sporadic.				
<i>Pseudanopthalmus humeralis</i>	S2	G2	--	--
A Ground Beetle				
Terrestrial cave obligate; southern Cumberlands.				
<i>Pseudosinella christianseni</i>	S2	G5	--	--
A Cave Obligate Springtail				
Terrestrial cave obligate; portions of Cumberland Plateau & Sequatchie Valley.				
<i>Ptomaphagus fecundus</i>	S1	G1	--	--
A Cave Obligate Beetle				
Terrestrial cave obligate; Franklin County; Highland Rim escarpment.				
<i>Ptychobranthus subtentum</i>	S2	G2	--	C
Fluted Kidneyshell				
Small-medium rivers in swift current or riffles, in sand, gravel, and cobble substrates; Tennessee & Cumberland river systems.				
<i>Quadrula intermedia</i>	S1	G1	E	LE
Cumberland Monkeyface				
Shallow riffle and shoal areas of headwater streams and bigger rivers, in coarse sand/gravel substrates; Tennessee River system.				



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Franklin County . . . Continued

Known Species: 129

Invertebrate Animals: 35 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Stygobromus vitreus</i>	An Amphipod Aquatic cave obligate; pools in wet caves; northernmost Highland Rim and southernmost Cumberlands.	S2	G4	--	--
<i>Tetracion jonesi</i>	A Cave Obligate Millipede Terrestrial cave obligate; reported from three caves in S Cumberlands; Franklin County.	S1S2	G3G4	--	--
<i>Toxolasma cylindrellus</i>	Pale Lilliput Small tributary rivers & streams, in firm rubble, gravel, and sand substrates in shallow riffles and shoals; lower Tenn. River system.	S1	G1	E	LE
<i>Toxolasma lividus</i>	Purple Lilliput Small-medium sized rivers & lg creeks, in mud, sand, & gravel substrates; Tenn. & Cumberland river systems in headwater areas.	S1S2	G2	--	--
<i>Tyrannochthonius fiskei</i>	A Cave Obligate Pseudoscorpion Terrestrial cave obligate; reported from one cave in the S Cumberlands; Franklin County.	S1	G1	--	--
<i>Zonitoides lateumbilicatus</i>	Striate Gloss A calciphile; found in leaf litter of shady karst woods, ravines; sometimes near springs or seeps; spotty distribution in Cumberlands.	S2?	G3G4	--	--

Nonvascular Plants: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Lejeunea sharpii</i>	Sharp's Lejeunea Calcareous Bluffs, Rock & Logs Of Wet Sinks	S1S2	G2G3	E	--
<i>Microlejeunea globosa</i>	Cardot's Lejeunea Creekside Edge Of Rockhouse	S1	G3?	S	--
<i>Pellia appalachiana</i>	Wet Soil, Barrens	S2	G4	S	--

Vascular Plants: 63		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acer leucoderme</i>	Chalk Maple Circumneutral Rocky Woods	S3	G5	S	--
<i>Agalinis oligophylla</i>	Ridge-stem False-foxglove Barrens	S1	G4	E	--
<i>Allium tricoccum</i>	Ramps Rich Woods	S1S2	G5	S-CE	--
<i>Amsonia tabernaemontana var. gattereri</i>	Limestone Blue Star Glades, Barrens, And Rocky River Bars	S3	G5T3Q	S	--
<i>Aureolaria patula</i>	Spreading False-foxglove Oak Woods And Edges	S3	G3	S	--
<i>Carex oxylepis var. pubescens</i>	Hairy Sharp-scaled Sedge Wooded Bluffs, Floodplains	S1	G5?T3	S	--
<i>Carex vestita</i>	Velvety Sedge Dry To Moist Woods	SH	G5	E-P	--
<i>Clematis glaucophylla</i>	White-leaved Leatherflower Wooded Stream Banks	S1	G4?	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Franklin County . . . Continued

Known Species: 129

Vascular Plants: 63 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Clematis morefieldii</i>	Morefield's Leather-flower Seeps/Springs In Rocky Limestone Woods	S1	G2	E	LE
<i>Cotinus obovatus</i>	American Smoketree Dry, Circumneutral Soil	S2	G4	S	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Cypripedium kentuckiense</i>	Southern Lady's-slipper Riparian Forests	S2	G3	E	--
<i>Dalea candida</i>	White Prairie-clover Barrens	S2	G5	S	--
<i>Diamorpha smallii</i>	Small's Stonecrop Sandstone Outcrops	S1S2	G4	E	--
<i>Dichanthelium ensifolium ssp. curtifolium</i>	Short-leaved Panic Grass Boggy Areas	S1	G3?	E	--
<i>Drosera brevifolia</i>	Dwarf Sundew Wet Barrens And Ecotones	S2	G5	T	--
<i>Eleocharis equisetoides</i>	Horse-tail Spike-rush Pond Edges And Open Wetlands	S1	G4	E	--
<i>Eleocharis wolfii</i>	Wolf Spike-rush Wet Woods On Floodplains	S1	G3G4	E	--
<i>Eriophorum virginicum</i>	Tawny Cotton-grass Bogs	S1S2	G5	E	--
<i>Festuca paradoxa</i>	Cluster Fescue Wet Woods And Prairies	S1	G5	S	--
<i>Fimbristylis perpusilla</i>	Harper's Fimbristylis Depressions In Low Woods	S1	G2	E	--
<i>Gaylussacia dumosa</i>	Dwarf Huckleberry Barrens	S3	G5	T	--
<i>Glyceria acutiflora</i>	Sharp-scaled Mannagrass Swamps,Ponds	S2	G5	S	--
<i>Gratiola floridana</i>	Florida Hedge-hyssop Wooded Swamps	S1	G4	E	--
<i>Helianthus eggertii</i>	Eggert's Sunflower Barrens And Roadsides	S3	G3	S	DM
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Hydrolea ovata</i>	Ovate Fiddleleaf Ponds And Swamps	S1	G5	S	--
<i>Iris prismatica</i>	Slender Blue Flag Wet Barrens	S2S3	G4G5	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Franklin County . . . Continued

Known Species: 129

Vascular Plants: 63 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Liatris cylindracea</i>	Slender Blazing-star Barrens	S2	G5	T	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lobelia canbyi</i>	Canby's Lobelia Oak Barrens, Wet Areas	S2S3	G4	T	--
<i>Lonicera dioica</i>	Mountain Honeysuckle Mountain Woods And Thickets	S2	G5	S	--
<i>Lonicera flava</i>	Yellow Honeysuckle Rocky Woods And Thickets	S1	G5?	T	--
<i>Ludwigia sphaerocarpa</i>	Globe-fruited False-loosestrife Swamps And Shallow Pools	S1	G5	T	--
<i>Marshallia trinervia</i>	Broad-leaved Barbara's-buttons Rocky Ravines	S2S3	G3	T	--
<i>Melanthium woodii</i>	Ozark Bunchflower Rich Wooded Slopes	S1	G5	E	--
<i>Myriophyllum pinnatum</i>	Cutleaf Water-milfoil Acidic Wetland And Ponds	S1	G5	T	--
<i>Neviusia alabamensis</i>	Alabama Snow-wreath Upland Woods	S2	G2	T	--
<i>Onosmodium molle ssp. subsetosum</i>	Smooth False Gromwell Limestone Woods	S1	G4G5T4?	E	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Plantago cordata</i>	Heart-leaved Plantain Limestone Creek Beds	S1	G4	E	--
<i>Platanthera integrilabia</i>	White Fringeless Orchid Acidic Seeps And Stream Heads	S2S3	G2G3	E	C
<i>Polygala mariana</i>	Maryland Milkwort Sandy Alluvial Woods And Disturbed Areas	S1	G5	S	--
<i>Ponthieva racemosa</i>	Shadow-witch Wet Woods	S1	G4G5	E	--
<i>Prenanthes aspera</i>	Rough Rattlesnake-root Barrens And Roadsides	S1	G4?	E	--
<i>Prunus pumila</i>	Sand Cherry Barrens	S1	G5	E	--
<i>Ranunculus flabellaris</i>	Yellow Water-crowfoot Ponds And Marshes	S2	G5	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Franklin County . . . Continued

Known Species: 129

Vascular Plants: 63 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Rhynchospora perplexa</i>	Obscure Beak-rush Marshes, Wet Barrens	S2	G5	T	--
<i>Silphium brachiatum</i>	Cumberland Rosinweed Rich Rocky Woods	S2	G2G3	E	--
<i>Silphium pinnatifidum</i>	Southern Prairie-dock Barrens	S2	G3Q	T	--
<i>Solidago auriculata</i>	Eared Goldenrod Dry Woods	S1	G4	T	--
<i>Solidago ptarmicoides</i>	Prairie Goldenrod Barrens	S1S2	G5	E	--
<i>Spiranthes lucida</i>	Shining Ladies'-tresses Alluvial Woods And Moist Slopes	S1S2	G5	T	--
<i>Talinum teretifolium</i>	Roundleaf Fameflower Dry Sandy Rock Outcrops	S2	G4	T	--
<i>Trichomanes boschianum</i>	Bristle-fern Rocky Seeps	S1S2	G4	T	--
<i>Trichomanes petersii</i>	Dwarf Filmy-fern Rocky Seeps	S2	G4G5	T	--
<i>Trillium pusillum</i>	Least Trillium Alluvial/Moist Ravines And Dry Ridges	S2	G3	E	--
<i>Viburnum bracteatum</i>	Limerock Arrowwood Rocky Rich Woods	S1	G1G2	E	--
<i>Viola tripartita var. tripartita</i>	Three-parted Violet Wooded Slopes	S2S3	G5T3	S	--
<i>Woodwardia virginica</i>	Virginia Chainfern Acidic Wetlands	S2	G5	S	--
<i>Xyris laxifolia var. iridifolia</i>	Wide-leaved Yellow-eyed Grass Pond Margins And Marshes	S2	G4G5T4T5	T	--
<i>Zigadenus leimanthoides</i>	Death-camas Acidic Wetlands	S2	G4Q	T	--

Vertebrate Animals: 26		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Accipiter striatus</i>	Sharp-shinned Hawk Forests and open woodlands.	S3B,S4N	G5	D	No Status
<i>Aimophila aestivalis</i>	Bachman's Sparrow Dry open pine or oak woods; nests on the ground in dense cover.	S1B	G3	E	--
<i>Aneides aeneus</i>	Green Salamander Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	S3S4	G3G4	--	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Franklin County . . . Continued

Known Species: 129

Vertebrate Animals: 26 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Gyrinophilus palleucus</i>	Tennessee Cave Salamander Aquatic cave obligate; cave streams & rimstone pools; Central Basin, Eastern Highland Rim, & Cumberland Plateau.	S2	G2G3	T	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Hemidactylium scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Hyla gratiosa</i>	Barking Treefrog Low wet woods and swamps esp. with ephemeral ponds.	S3	G5	D	--
<i>Ixobrychus exilis</i>	Least Bittern Marshes with scattered bushes or other woody growth; readily uses artificial wetland habitats.	S2B	G5	D	--
<i>Moxostoma lacerum</i>	Harelip Sucker Medium to large, warm, sluggish streams with relatively low turbidity and silt levels; presumed extinct.	SX	GX	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis leibii</i>	Eastern Small-footed Myotis Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.	S2S3	G3	D	--
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Napaeozapus insignis</i>	Woodland Jumping Mouse Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	S4	G5	D	--
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Franklin County . . . Continued

Known Species: 129

Vertebrate Animals: 26 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Sorex hoyi</i>	American Pygmy Shrew Found in a variety of habitats, with moist sites preferred over dry areas; middle and east Tennessee.	S2	G5	--	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Spilogale putorius</i>	Eastern Spotted Skunk Rocky outcrops, open prairies, brushy areas, cultivated fields, and barnyards; more common in east Tennessee; reclusive.	S3	G5	--	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Franklin --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Gibson County **Known Species: 14**

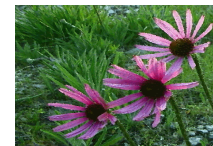
Invertebrate Animals: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Fallicambarus hortonii</i>	Hatchie Burrowing Crayfish Primary burrower; uses saturated or seasonally saturated soils associated with permanent bodies of water; Mississippi River tributaries, Coastal Plain.	S1	G1	E	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carex reniformis</i>	Reniform Sedge Rich Bottomland Woods	S1	G4?	S	--
<i>Iris fulva</i>	Copper Iris Bottomlands	S2	G5	T	--
<i>Silphium laciniatum</i>	Compass Plant Barrens	S2	G5	T	--
Vertebrate Animals: 9		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Accipiter striatus</i>	Sharp-shinned Hawk Forests and open woodlands.	S3B,S4N	G5	D	No Status
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Ictinia mississippiensis</i>	Mississippi Kite Undisturbed stands of lowland and floodplain forests and along major rivers.	S2S3	G5	D	--
<i>Ixobrychus exilis</i>	Least Bittern Marshes with scattered bushes or other woody growth; readily uses artificial wetland habitats.	S2B	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Gibson --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Giles County	Known Species: 28
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		St. Rank	Global Rank	St. Prot.	Fed. Prot.
Invertebrate Animals: 6					
<i>Cyprogenia stegaria</i>	Fanshell Medium to large streams and rivers with coarse sand and gravel substrates; Cumberland and Tennessee river systems.	S1	G1Q	E	LE
<i>Dromus dromas</i>	Dromedary Pearlymussel Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.	S1	G1	E	LE
<i>Hemistena lata</i>	Cracking Pearlymussel Medium-sized rivers of mod current, deeply buried in mud, sand, gravel, and cobble substrates; Tennessee & Cumb. river systems.	S1	G1	E	LE
<i>Lemiox rimosus</i>	Birdwing Pearlymussel Small-medium size rivers in riffle areas with sand and gravel substrates in mod-fast currents; Tennessee River system.	S1	G1	E	LE
<i>Lithasia lima</i>	Warty Rocksnail Rocky substrates in riffle systems; Elk River & larger tributaries (Tennessee River watershed).	S2	G2Q	--	--
<i>Toxolasma lividus</i>	Purple Lilliput Small-medium sized rivers & lg creeks, in mud, sand, & gravel substrates; Tenn. & Cumberland river systems in headwater areas.	S1S2	G2	--	--
Vascular Plants: 14					
<i>Allium burdickii</i>	Narrow-leaf Ramps Rich Woods	S1S2	G4G5	T-CE	--
<i>Apios priceana</i>	Price's Potato-bean Openings In Rich Woods	S2	G2	E	LT
<i>Arenaria lanuginosa</i>	Wooly Sandwort Bluffs	S1	G5	E	--
<i>Cimicifuga rubifolia</i>	Appalachian Bugbane Rich Woods	S3	G3	T	--
<i>Helianthus eggertii</i>	Eggert's Sunflower Barrens And Roadsides	S3	G3	S	DM
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Leavenworthia exigua var. exigua</i>	Glade-cress Glades	S3	G4T3	S	--
<i>Lesquerella densipila</i>	Duck River Bladderpod Cultivated Fields	S3	G3	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Perideridia americana</i>	Thicket Parsley Cedar Barrens	S2	G4	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Giles County . . . Continued

Known Species: 28

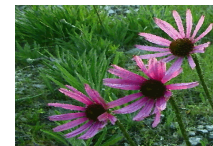
Vascular Plants: 14 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Schoenolirion croceum</i>	Yellow Sunnybell Wet Areas In Glades	S3	G4	T	--
<i>Stellaria fontinalis</i>	Water Stitchwort Seeps And Limestone Creek Beds	S3	G3	T	--
<i>Talinum calcaricum</i>	Limestone Fame-flower Glades	S3	G3	S	--
Vertebrate Animals: 8		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Etheostoma wapiti</i>	Boulder Darter Fast rocky riffles of small to medium rivers & large creeks; Elk River watershed.	S1	G1	E	LE, XN
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Moxostoma lacerum</i>	Harelip Sucker Medium to large, warm, sluggish streams with relatively low turbidity and silt levels; presumed extinct.	SX	GX	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Percina tanasi</i>	Snail Darter Sand and gravel shoals of moderately flowing, vegetated, large creeks; upper Tennessee River watershed.	S2S3	G2G3	T	LT
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--

-- End of Giles --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Grainger County **Known Species: 33**

Invertebrate Animals: 12	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cumberlandia monodonta</i>	Spectaclecase S2S3	G3	--	C
Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.				
<i>Dromus dromas</i>	Dromedary Pearlymussel S1	G1	E	LE
Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.				
<i>Fusconaia cor</i>	Shiny Pigtoe S1	G1	E	LE
Shoals and riffles of small-medium sized rivers with mod-fast current over sand-cobble substrates; upper Tennessee River watershed.				
<i>Fusconaia cuneolus</i>	Finerayed Pigtoe S1	G1	E	LE
Riffles of fords and shoals of mod gradient streams in firm cobble and gravel substrates; middle & upper Tennessee River watershed.				
<i>Hemistena lata</i>	Cracking Pearlymussel S1	G1	E	LE
Medium-sized rivers of mod current, deeply buried in mud, sand, gravel, and cobble substrates; Tennessee & Cumb. river systems.				
<i>Io fluvialis</i>	Spiny Riversnail S2	G2	--	--
Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.				
<i>Lampsilis abrupta</i>	Pink Mucket S2	G2	E	LE
Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.				
<i>Lemiox rimosus</i>	Birdwing Pearlymussel S1	G1	E	LE
Small-medium size rivers in riffle areas with sand and gravel substrates in mod-fast currents; Tennessee River system.				
<i>Nesticus tennesseensis</i>	Tennessee cave spider S2S4	G3G4	--	--
Terrestrial cave associate or possibly obligate; east Tennessee.				
<i>Plethobasus cicatricosus</i>	White Wartyback S1	G1	E	LE
Presumed to inhabit shoals and riffles in large rivers; Tennessee & Cumberland river systems. Very rare & poss extirpated in TN.				
<i>Pseudotremia deprehendor</i>	A Cave Obligate Millipede S1?	G2G3	--	--
Terrestrial cave obligate; northern Ridge & Valley caves; east Tennessee.				
<i>Ptychobranthus subtentum</i>	Fluted Kidneyshell S2	G2	--	C
Small-medium rivers in swift current or riffles, in sand, gravel, and cobble substrates; Tennessee & Cumberland river systems.				
Nonvascular Plants: 1	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Grimmia olneyi</i>	Grimmia Moss SH	G3G5	S	--
High Elev. Dry Rocks And Cliffs				
Other Types: 1	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery SNR	GNR	--	--
Vascular Plants: 13	St. Rank	Global Rank	St. Prot.	Fed. Prot.



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Grainger County . . . Continued

Known Species: 33

Vascular Plants: 13 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Berberis canadensis</i>	American Barberry Rocky Woods And River Bars	S2	G3	S	--
<i>Botrychium jenmanii</i>	Alabama Grapefern Pine Woods	S1	G3G4	T	--
<i>Cardamine rotundifolia</i>	Round-leaf Watercress Mucky Wetlands And Seeps	S2S3	G4	S	--
<i>Cimicifuga rubifolia</i>	Appalachian Bugbane Rich Woods	S3	G3	T	--
<i>Corydalis sempervirens</i>	Pale Corydalis Dry Or Rocky Woods	S1S2	G4G5	E	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Eleocharis intermedia</i>	Matted Spike-rush Wet Areas	S1	G5	E	--
<i>Eurybia schreberi</i>	Schreber's Aster Mesic Woods & Seepage Slopes	S1	G4	S	--
<i>Fothergilla major</i>	Mountain Witch-alder Rocky Slopes And River Banks	S2	G3	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Phlox subulata</i>	Moss Phlox Shaley Slopes	S1	G5	T	--
<i>Platanthera flava var. herbiola</i>	Tuberclad Rein-orchid Swamps And Floodplains	S2	G4T4Q	T	--
<i>Ruellia purshiana</i>	Pursh's Wild-petunia Dry Woods	S1S2	G3	S	--
Vertebrate Animals: 6		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Grainger County . . . Continued

Known Species: 33

Vertebrate Animals: 6 . . . Continued

St. Rank

Global Rank

St. Prot.

Fed. Prot.

Sorex longirostris

Southeastern Shrew

S4

G5

D

--

Various habitats including wet meadows, damp woods, and uplands; statewide.

-- End of Grainger --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Greene County

Known Species: 70

Invertebrate Animals: 17		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Caecidotea nortoni</i>	A Cave Obligate Isopod Aquatic cave obligate; eastern Ridge & Valley.	S1S2	G2G3	--	--
<i>Cumberlandia monodonta</i>	Spectaclecase Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.	S2S3	G3	--	C
<i>Epioblasma triquetra</i>	Snuffbox Riffles of medium-large rivers with stony or sandy bottoms, in swift currents, usually deeply buried; Tennessee & Cumb. river systems.	S3	G3	--	--
<i>Fumonelix wheatleyi</i>	Cinnamon Covert Leaf litter, logs, talus in mixed woodlands, coves @ mid-upper elevations of Blue Ridge; Blount, Carter, Cocke, Monroe, & Sevier cos.	S3	G4	--	--
<i>Io fluvialis</i>	Spiny Riversnail Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	S2	G2	--	--
<i>Lampsilis abrupta</i>	Pink Mucket Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	S2	G2	E	LE
<i>Lexingtonia dolabelloides</i>	Slabside Pearlymussel Lg creeks to mod sized rivers, in riffles/shoals of sand, fine gravel, and cobble substrates with mod current; Tennessee R watershed.	S2	G2	--	C
<i>Paravitrea lamellidens</i>	Lamellate Supercoil Deep, moist leaf litter below boulder slopes, bluffs; boggy seeps; forested hillsides & ravines; central & southern Blue Ridge.	S2	G2	--	--
<i>Quadrula cylindrica strigillata</i>	Rough Rabbitsfoot Small-medium sized rivers, in clear, shallow riffles with sand-gravel substrates; Tenn. & Cumb. river systems; upland form.	S2	G3G4T2	E	LE
<i>Speyeria diana</i>	Diana Fritillary Fields, edges, and openings in moist, rich, forested mountains and valleys; Blue Ridge & Cumberland Plateau generally.	S3	G3G4	--	--
<i>Stenotrema altispira</i>	Highland Slitmouth Leaf litter, logs, talus in mixed woodland, spring fed slopes; higher elevations of central & N Blue Ridge; northeast Tennessee.	S2?	G3	--	--
<i>Trechus caliginis</i>	A Carabid Beetle Terrestrial; known only from summit of Camp Creek Bald; Blue Ridge mountains; Greene County.	S1	GNR	--	--
<i>Trechus hydropicus beutenmuelleri</i>	A Carabid Beetle Terrestrial; under moss, rocks in ravines, under and inside rotting logs, or in spruce and fir needle duff above 5000 ft; Blue Ridge.	S2S3	GNRTNR	--	--
<i>Trechus inexpectatus</i>	A Carabid Beetle Terrestrial; known only from summit of Camp Creek Bald; Blue Ridge mountains; Greene County.	S1	GNR	--	--
<i>Trechus vandykei</i>	A Carabid Beetle Terrestrial; found in leafmold or under moss mats; Camp Creek Bald & Unaka Mountain; Blue Ridge; Greene & Unicoi counties.	S3?	GNR	--	--
<i>Villosa fabalis</i>	Rayed Bean Riffles of medium-small rivers & creeks, in gravel & sand substrates associated with <i>Justicia americana</i> ; Tennessee River watershed.	S1	G2	--	C



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Greene County . . . Continued

Known Species: 70

Invertebrate Animals: 17 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Villosa trabalis</i>	Cumberland Bean Riffle areas of small rivers & streams in sand, gravel, & cobble substrates with swift current; upper Cumb. & upper Tenn. river systems.	S1	G1	E	LE
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 37		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Adlumia fungosa</i>	Climbing Fumitory Rich Mesic Woods	S2	G4	T	--
<i>Asclepias purpurascens</i>	Purple Milkweed Barrens	S1	G5?	S	--
<i>Berberis canadensis</i>	American Barberry Rocky Woods And River Bars	S2	G3	S	--
<i>Buckleya distichophylla</i>	Piratebush Rocky Mountain Woods W/ Hemlock	S2	G2	T	--
<i>Caltha palustris</i>	Marsh Marigold Bogs	S1	G5	E	--
<i>Campanula aparinoides</i>	Marsh Bellflower Bogs	S2	G5	S	--
<i>Cardamine flagellifera</i>	Running Bittercress Mountain Stream Banks	S2	G3	T	--
<i>Caulophyllum giganteum</i>	Giant Blue Cohosh Rich Woods	S1	G4G5Q	T	--
<i>Chrysogonum virginianum</i>	Green-and-gold Dry Woods And Openings	S2	G5	T	--
<i>Clintonia borealis</i>	Clinton's Lily High Elevation Mesic Forests	S2S3	G5	S	--
<i>Coreopsis latifolia</i>	Broad-leaved Tickseed Streamheads	S1S2	G3	E	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Draba ramosissima</i>	Branching Whitlow-grass Calcareous Bluffs	S2	G4	S	--
<i>Epilobium ciliatum</i>	Hairy Willow-herb Mountain Balds	S1	G5	T	--
<i>Fothergilla major</i>	Mountain Witch-elder Rocky Slopes And River Banks	S2	G3	T	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Greene County . . . Continued

Known Species: **70**

Vascular Plants: 37 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Gentiana austromontana</i>	Appalachian Gentian High Elevation Open Woods	S3	G3	S	--
<i>Helianthus glaucophyllus</i>	White-leaved Sunflower Dry Open Woods	S1	G3	T	--
<i>Heracleum maximum</i>	Cow-parsnip Moist Woods And Floodplains	S2	G5	S	--
<i>Heuchera longiflora var. aceroides</i>	Maple-leaf Alumroot Moist Ravines	S2	G4T2Q	S	--
<i>Hydrocotyle americana</i>	American Water-pennywort Wet Soils And Pools	S1	G5	E	--
<i>Hydrophyllum virginianum</i>	Appalachian Waterleaf Alluvial Woods	S3	G5	T	--
<i>Hypericum mitchellianum</i>	Blue Ridge St. John's-wort High Elevation, Moist Woods	S2	G3	T	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Menziesia pilosa</i>	Minniebush Heath Balds And Cliffs	S2	G4G5	S	--
<i>Monotropsis odorata</i>	Sweet Pinesap Piney Woods	S2	G3	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Pedicularis lanceolata</i>	Swamp Lousewort Wet Acidic Barrens And Seeps	S1S2	G5	S	--
<i>Platanthera grandiflora</i>	Large Purple Fringed Orchid Wet Meadows And Open Woods	S2	G5	E	--
<i>Platanthera psycodes</i>	Small Purple Fringed Orchid Wet Woods And Bog Margins	S2	G5	S	--
<i>Poa palustris</i>	Fowl Bluegrass Wet Balds	S1	G5	E	--
<i>Polygonum cilinode</i>	Fringed Black Bindweed Dry Rocky Woods And Thickets	S1S2	G5	T	--
<i>Prunus virginiana</i>	Choke Cherry Moist Coves And Slopes	S1	G5	S	--
<i>Silene ovata</i>	Ovate Catchfly Open Oak Woods	S2	G3	E	--
<i>Thaspium pinnatifidum</i>	Cutleaf Meadow-parsnip Calcareous Forests And Woodlands	S1	G2G3	E	--
<i>Thermopsis fraxinifolia</i>	Ash-leaved Bush-pea Roadsides And Dry Open Woods	S3	G3?	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Greene County . . . Continued

Known Species: 70

Vascular Plants: 37 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Trientalis borealis</i>	Northern Starflower Mountain Hardwood Forests	S1	G5	T	--
<i>Xerophyllum asphodeloides</i>	Eastern Turkeybeard Dry Oak Or Piney Woods	S3	G4	T	--
Vertebrate Animals: 15		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carpiodes velifer</i>	Highfin Carpsucker Large rivers, mostly in Tennessee River drainage.	S2S3	G4G5	D	--
<i>Corvus corax</i>	Common Raven Hilly or mountainous areas, esp near cliffs; nests usually on cliff ledges or in coniferous trees.	S2	G5	T	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Desmognathus wrighti</i>	Pygmy Salamander Mature hardwoods & spruce-fir forests under moss, leaf litter, logs, bark, and rocks; high elevations; Blue Ridge.	S2S3	G3G4	D	--
<i>Etheostoma acuticeps</i>	Sharphead Darter Strongly flowing water in riffles and chutes of large upland creeks and medium-sized rivers.	S2S3	G3	--	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis leibii</i>	Eastern Small-footed Myotis Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.	S2S3	G3	D	--
<i>Noturus crypticus</i>	Chucky Madtom Stream runs with slow to moderate current over pea gravel, cobble, or slabrock; Little Chucky Creek; Nolichucky River system.	S1	G1	E	C
<i>Parascalops breweri</i>	Hairy-tailed Mole Moist soils in deciduous forests with thick humus; east Tennessee.	S3	G5	D	--
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--
<i>Percina tanasi</i>	Snail Darter Sand and gravel shoals of moderately flowing, vegetated, large creeks; upper Tennessee River watershed.	S2S3	G2G3	T	LT
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--

-- End of Greene --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



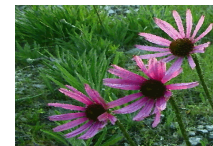
Grundy County

Known Species: 79

Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Panicum hemitomom - Dulichium arundinaceum</i> Herbaceous Vegetation	Highland Rim Maidencane Pond	S1	G1	--	--
Invertebrate Animals: 21		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Alasmidonta atropurpurea</i>	Cumberland Elktoe Small creeks to medium-sized rivers with slow current, sand substrates, and large cobble; upper Cumberland River watershed.	S1S2	G1G2	E	LE
<i>Anguispira alabama</i>	Alabama Tigersnail A calciphile; limestone outcrops and cliff faces of karstic woods; southern Cumberlands.	S2	G2	--	--
<i>Anthrobia mammothia</i>	Mammoth Cave spider Terrestrial cave obligate; reported from a handful of caves in the middle Cumberlands; Bledsoe, Grundy, & Van Buren counties.	S1	G5	--	--
<i>Carychium stygium</i>	Cave Thorn Cave obligate; feeds on cricket guano; Highland Rim & escarpment of Cumberland Plateau.	S2	G3	--	--
<i>Chitrella archeri</i>	A Cave Obligate Pseudoscorpion Terrestrial cave obligate; associated with bat guano in caves of eastern middle Tennessee.	S1S2	G1G2	--	--
<i>Diacyclops yeatmani</i>	Yeatman's Groundwater Copepod Aquatic cave obligate; central & southern Cumberlands generally; possibly part of a species complex.	S1	G2G3	--	--
<i>Helicodiscus notius specus</i>	A Terrestrial Snail Cave obligate; feeds on cricket guano; Ridge & Valley and Eastern Highland Rim (tentatively).	S1?	G5T2	--	--
<i>Hesperochnes mirabilis</i>	Southeastern Cave Pseudoscorpion Terrestrial cave obligate; woodrat debris in caves; middle Tennessee.	S3	G5	--	--
<i>Kleptochthonius barri</i>	A Cave Obligate Pseudoscorpion Terrestrial cave obligate; southern Cumberlands.	S1S2	G1G2	--	--
<i>Litocampa sp. 5</i>	A Cave Dipluran From TN Terrestrial cave obligate, Cumberland Plateau escarpment.	S1	G2	--	--
<i>Litocampa valentinei</i>	A Cave Obligate Bristletail Terrestrial cave obligate, southern Cumberlands.	S2	G5	--	--
<i>Orconectes australis</i>	Southern Cave Crayfish Aquatic cave obligate; subterranean streams & pools; Eastern Highland Rim escarpment to the Cumberland Plateau.	S3	G5	--	--
<i>Pleurobema gibberum</i>	Cumberland Pigtoe Shallow areas in small-medium rivers in riffles with sand and gravel substrates; tribs of Cumberland River & poss TN R, middle Tenn.	S1	G1	E	LE
<i>Porhomma cavernicola</i>	Appalachian Cave Spider Terrestrial cave obligate; eastern half of Tennessee; sporadic.	S1?	G5	--	--
<i>Pseudanophthalmus humeralis</i>	A Ground Beetle Terrestrial cave obligate; southern Cumberlands.	S2	G2	--	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Grundy County . . . Continued

Known Species: 79

Invertebrate Animals: 21 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Pseudanophthalmus macradei</i>	A Cave Obligate Beetle Terrestrial cave obligate; middle Cumberlands.	S1S2	G1G2	--	--
<i>Pseudanophthalmus templetoni</i>	A Cave Obligate Beetle Terrestrial cave obligate; Collins River basin.	S1	G1	--	--
<i>Pseudosinella christianseni</i>	A Cave Obligate Springtail Terrestrial cave obligate; portions of Cumberland Plateau & Sequatchie Valley.	S2	G5	--	--
<i>Pseudosinella spinosa</i>	A Cave Obligate Springtail Terrestrial cave obligate; middle and southern Cumberlands.	S2	G5	--	--
<i>Toxolasma cylindrellus</i>	Pale Lilliput Small tributary rivers & streams, in firm rubble, gravel, and sand substrates in shallow riffles and shoals; lower Tenn. River system.	S1	G1	E	LE
<i>Toxolasma lividus</i>	Purple Lilliput Small-medium sized rivers & lg creeks, in mud, sand, & gravel substrates; Tenn. & Cumberland river systems in headwater areas.	S1S2	G2	--	--
Nonvascular Plants: 4		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cololejeunea ornata</i>	Ornate Cololejeunea Sinks & High Humidity Areas On Limestone	S1	G2G4	T	--
<i>Lejeunea blomquistii</i>	Blomquist Leafy Liverwort Mid Elev. Gorges On Rock Or Bark	S1S2	G1G2	S	--
<i>Lejeunea sharpii</i>	Sharp's Lejeunea Calcareous Bluffs, Rock & Logs Of Wet Sinks	S1S2	G2G3	E	--
<i>Radula voluta</i>	A Liverwort Shady Moist Boulders By Waterfalls Or Sreams	S2	G3	S	--
Vascular Plants: 33		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Allium tricoccum</i>	Ramps Rich Woods	S1S2	G5	S-CE	--
<i>Carex echinata ssp. echinata</i>	Little Prickly Sedge Swamps And Bogs	S1?	G5T5	S	--
<i>Carex hitchcockiana</i>	Hitchcock's Sedge Rich Moist Woods	S1	G5	T	--
<i>Cotinus obovatus</i>	American Smoketree Dry, Circumneutral Soil	S2	G4	S	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Diamorpha smallii</i>	Small's Stonecrop Sandstone Outcrops	S1S2	G4	E	--
<i>Eleocharis wolfii</i>	Wolf Spike-rush Wet Woods On Floodplains	S1	G3G4	E	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Grundy County . . . Continued

Known Species: 79

Vascular Plants: 33 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Gaylussacia dumosa</i>	Dwarf Huckleberry Barrens	S3	G5	T	--
<i>Glyceria acutiflora</i>	Sharp-scaled Mannagrass Swamps,Ponds	S2	G5	S	--
<i>Helianthus eggertii</i>	Eggert's Sunflower Barrens And Roadsides	S3	G3	S	DM
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Lilium philadelphicum</i>	Wood Lily Dry Openings, Powerlines	S1	G5	E	--
<i>Liparis loeselii</i>	Fen Orchis Calcareous Seeps	S1	G5	T	--
<i>Lobelia canbyi</i>	Canby's Lobelia Oak Barrens, Wet Areas	S2S3	G4	T	--
<i>Marshallia trinervia</i>	Broad-leaved Barbara's-buttons Rocky Ravines	S2S3	G3	T	--
<i>Melanthium woodii</i>	Ozark Bunchflower Rich Wooded Slopes	S1	G5	E	--
<i>Monotropsis odorata</i>	Sweet Pinesap Piney Woods	S2	G3	T	--
<i>Neobeckia aquatica</i>	Lake Cress Gum Or Cypress Swamps	S2	G4?	S	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Panicum hemitomon</i>	Maidencane Ponds In Barrens	S2	G5?	S	--
<i>Paronychia argyrocoma</i>	Silverling Dry Sandstone, Granite Outcrops	S1S2	G4	T	--
<i>Platanthera integrilabia</i>	White Fringeless Orchid Acidic Seeps And Stream Heads	S2S3	G2G3	E	C
<i>Platanthera orbiculata</i>	Large Round-leaved Orchid Mid-Elevation Mesic Forests	S3	G5	T	--
<i>Poa saltuensis</i>	Drooping Bluegrass Rich Oak Woods	S1	G5	T	--
<i>Sparganium androcladum</i>	Branching Bur-reed Slow Flowing Streams And Rivers, Ponds	S1	G4G5	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Grundy County . . . Continued

Known Species: 79

Vascular Plants: 33 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Talinum mengesii</i>	Menge's Fame-flower Dry Rock Ledges	S2	G3	T	--
<i>Talinum teretifolium</i>	Roundleaf Fameflower Dry Sandy Rock Outcrops	S2	G4	T	--
<i>Trichomanes petersii</i>	Dwarf Filmy-fern Rocky Seeps	S2	G4G5	T	--
<i>Vaccinium macrocarpon</i>	Cranberry Bogs	S2	G4	T	--
<i>Woodwardia virginica</i>	Virginia Chainfern Acidic Wetlands	S2	G5	S	--
<i>Zigadenus leimanthoides</i>	Death-camas Acidic Wetlands	S2	G4Q	T	--
Vertebrate Animals: 20		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aneides aeneus</i>	Green Salamander Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	S3S4	G3G4	--	--
<i>Botaurus lentiginosus</i>	American Bittern Lake and pond edges with plentiful vegetation, and wetlands created by impoundments; rare nester.	S1	G4	--	--
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Etheostoma sp. D</i>	Bluemask (Jewel) Darter Streams with slow to moderate current over clean sand and fine gravel; Caney Fork River system (above Great Falls Reservoir).	S1	G1	E	LE
<i>Falco peregrinus</i>	Peregrine Falcon Varied habitats including farmlands, marshes, river mouths, and cities; often nests on ledges.	S1B	G4	E	No Status
<i>Fundulus julisia</i>	Barrens Topminnow Springs, spring runs, and first- and second-order headwaters and creeks in the Barrens of Cannon, Coffee, & Warren counties.	S1	G1	E	--
<i>Gyrinophilus palleucus</i>	Tennessee Cave Salamander Aquatic cave obligate; cave streams & rimstone pools; Central Basin, Eastern Highland Rim, & Cumberland Plateau.	S2	G2G3	T	--
<i>Hemidactylium scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Ixobrychus exilis</i>	Least Bittern Marshes with scattered bushes or other woody growth; readily uses artificial wetland habitats.	S2B	G5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Grundy County . . . Continued

Known Species: 79

Vertebrate Animals: 20 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Rallus elegans</i>	King Rail Marshes, upland-wetland marsh edges, flooded farmlands, shrub swamps.	S2	G4	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Sorex hoyi</i>	American Pygmy Shrew Found in a variety of habitats, with moist sites preferred over dry areas; middle and east Tennessee.	S2	G5	--	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--

-- End of Grundy --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Hamblen County

Known Species: 14

Invertebrate Animals: 5		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cumberlandia monodonta</i>	Spectaclecase Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.	S2S3	G3	--	C
<i>Delophon holti</i>	A Millipede Terrestrial; moist, wooded sinkholes in karst; northern Ridge & Valley; Hamblen County.	S1	GNR	--	--
<i>Fusconaia cuneolus</i>	Finerayed Pigtoe Riffles of fords and shoals of mod gradient streams in firm cobble and gravel substrates; middle & upper Tennessee River watershed.	S1	G1	E	LE
<i>Io fluvialis</i>	Spiny Riversnail Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	S2	G2	--	--
<i>Ventridens coelaxis</i>	Bidentate Dome In leaf litter on mountainsides, often at higher elevations; northernmost Blue Ridge and Ridge & Valley.	S2S3	G3	--	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Botrychium jenmanii</i>	Alabama Grapefern Pine Woods	S1	G3G4	T	--
<i>Cimicifuga rubifolia</i>	Appalachian Bugbane Rich Woods	S3	G3	T	--
<i>Phlox subulata</i>	Moss Phlox Shaley Slopes	S1	G5	T	--
Vertebrate Animals: 5		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carpionodes velifer</i>	Highfin Carpsucker Large rivers, mostly in Tennessee River drainage.	S2S3	G4G5	D	--
<i>Erimystax cahni</i>	Slender Chub Major headwater tribs to TN River with small gravel substrates & swift-moderate currents.	S1	G1	T	LT
<i>Etheostoma acuticeps</i>	Sharphead Darter Strongly flowing water in riffles and chutes of large upland creeks and medium-sized rivers.	S2S3	G3	--	--
<i>Percina tanasi</i>	Snail Darter Sand and gravel shoals of moderately flowing, vegetated, large creeks; upper Tennessee River watershed.	S2S3	G2G3	T	LT
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--

-- End of Hamblen --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Hamilton County **Known Species: 69**

Invertebrate Animals: 7	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cambarus extraneus</i>	Chickamauga Crayfish S1S2	G2	T	--
Springs & small to medium sized streams under rocks or in vegetation; South Chickamauga Creek watershed, Hamilton County.				
<i>Dromus dromas</i>	Dromedary Pearlymussel S1	G1	E	LE
Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.				
<i>Lampsilis abrupta</i>	Pink Mucket S2	G2	E	LE
Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.				
<i>Nesticus furtivus</i>	Crystal Caverns Cave Spider S1	G1	--	--
Terrestrial cave obligate, S Cumberlands; Hamilton County; known only from the type locality.				
<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback S1	G1	E	LE
Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.				
<i>Quadrula intermedia</i>	Cumberland Monkeyface S1	G1	E	LE
Shallow riffle and shoal areas of headwater streams and bigger rivers, in coarse sand/gravel substrates; Tennessee River system.				
<i>Stygobromus nortoni</i>	Norton's Cave Amphipod SH	G2G3	--	--
Aquatic cave obligate, from pools; Eastern Highland Rim and Ridge & Valley.				
Nonvascular Plants: 4	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Lejeunea blomquistii</i>	Blomquist Leafy Liverwort S1S2	G1G2	S	--
Mid Elev. Gorges On Rock Or Bark				
<i>Lejeunea sharpii</i>	Sharp's Lejeunea S1S2	G2G3	E	--
Calcareous Bluffs, Rock & Logs Of Wet Sinks				
<i>Metzgeria uncigera</i>	Metzgeria S1	G3	S	--
Bark Of American Holly				
<i>Microlejeunea globosa</i>	Cardot's Lejeunea S1	G3?	S	--
Creekside Edge Of Rockhouse				
Other Types: 1	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery SNR	GNR	--	--
Vascular Plants: 40	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acer leucoderme</i>	Chalk Maple S3	G5	S	--
Circumneutral Rocky Woods				
<i>Aureolaria patula</i>	Spreading False-foxglove S3	G3	S	--
Oak Woods And Edges				
<i>Castanea dentata</i>	American Chestnut S2S3	G4	S	--
Mesic To Dry Forests				



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Hamilton County . . . Continued

Known Species: 69

Vascular Plants: 40 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Clematis glaucophylla</i>	White-leaved Leatherflower Wooded Stream Banks	S1	G4?	E	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Danthonia epilis</i>	Bog Oat-grass Acidic Seeps	S1S2	G3G4	S	--
<i>Delphinium exaltatum</i>	Tall Larkspur Glades And Barrens	S2	G3	E	--
<i>Diamorpha smallii</i>	Small's Stonecrop Sandstone Outcrops	S1S2	G4	E	--
<i>Diervilla lonicera</i>	Northern Bush-honeysuckle Rocky Woodlands And Bluffs	S2	G5	T	--
<i>Diervilla sessilifolia var. rivularis</i>	Mountain Bush-honeysuckle Dry Cliffs And Bluffs	S2	G3	T	--
<i>Galium uniflorum</i>	Fragrant Bedstraw Dry Woods	S1	G4G5	S	--
<i>Gelsemium sempervirens</i>	Yellow Jessamine Dry Openings	S1S2	G5	S	--
<i>Glyceria acutiflora</i>	Sharp-scaled Mannagrass Swamps,Ponds	S2	G5	S	--
<i>Gratiola floridana</i>	Florida Hedge-hyssop Wooded Swamps	S1	G4	E	--
<i>Helianthus occidentalis</i>	Naked-stem Sunflower Limestone Glades And Barrens; Roadsides	S2	G5	S	--
<i>Isotria medeoloides</i>	Small Whorled Pogonia Mid-Elevation Dry Woods	S1	G2	E	LT
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lilium philadelphicum</i>	Wood Lily Dry Openings, Powerlines	S1	G5	E	--
<i>Lonicera dioica</i>	Mountain Honeysuckle Mountain Woods And Thickets	S2	G5	S	--
<i>Lonicera flava</i>	Yellow Honeysuckle Rocky Woods And Thickets	S1	G5?	T	--
<i>Lysimachia fraseri</i>	Fraser's Loosestrife Dry Open Woods	S2	G3	E	--
<i>Nestronia umbellula</i>	Nestronia Upland Woods	S1	G4	E	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Hamilton County . . . Continued

Known Species: 69

Vascular Plants: 40 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Platanthera integrilabia</i>	White Fringeless Orchid Acidic Seeps And Stream Heads	S2S3	G2G3	E	C
<i>Potamogeton epihydrus</i>	Nuttall's Pondweed Lakes And Streams	S1S2	G5	S	--
<i>Ribes curvatum</i>	Granite Gooseberry Rocky Woods	S1	G4	T	--
<i>Sabatia capitata</i>	Cumberland Rose Gentian Dry Open Woods, Powerlines	S2	G2	E	--
<i>Sacciolepis striata</i>	Gibbous Panic-grass Floodplains And Shallow Pools	S1	G5	S	--
<i>Sagittaria platyphylla</i>	Ovate-leaved Arrowhead Swamps, Emmergent	S2S3	G5	S	--
<i>Scutellaria montana</i>	Large-flowered Skullcap Escarpments, Dry Woods	S2	G3	T	LT
<i>Silphium laciniatum</i>	Compass Plant Barrens	S2	G5	T	--
<i>Spiraea virginiana</i>	Virginia Spiraea Stream Bars And Ledges	S2	G2	E	LT
<i>Stylisma humistrata</i>	Southern Morning-glory Dry Piney Woods	S1	G4G5	T	--
<i>Talinum mengesii</i>	Menge's Fame-flower Dry Rock Ledges	S2	G3	T	--
<i>Talinum teretifolium</i>	Roundleaf Fameflower Dry Sandy Rock Outcrops	S2	G4	T	--
<i>Thermopsis mollis</i>	Allegheny Mountain golden banner Upland Woods	S2S3	G3G4	S	--
<i>Trillium lancifolium</i>	Narrow-leaved Trillium Alluvial Woods And Moist Ravines	S1	G3	E	--
<i>Trillium rugelii</i>	Southern Nodding Trillium Rich Mountain Woods	S2	G3	E	--
<i>Viola tripartita var. tripartita</i>	Three-parted Violet Wooded Slopes	S2S3	G5T3	S	--
<i>Woodwardia virginica</i>	Virginia Chainfern Acidic Wetlands	S2	G5	S	--

Vertebrate Animals: 17		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Accipiter striatus</i>	Sharp-shinned Hawk Forests and open woodlands.	S3B,S4N	G5	D	No Status
<i>Aimophila aestivalis</i>	Bachman's Sparrow Dry open pine or oak woods; nests on the ground in dense cover.	S1B	G3	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Hamilton County . . . Continued

Known Species: 69

Vertebrate Animals: 17 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aneides aeneus</i>	Green Salamander Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	S3S4	G3G4	--	--
<i>Carpionodes velifer</i>	Highfin Carpsucker Large rivers, mostly in Tennessee River drainage.	S2S3	G4G5	D	--
<i>Falco peregrinus</i>	Peregrine Falcon Varied habitats including farmlands, marshes, river mouths, and cities; often nests on ledges.	S1B	G4	E	No Status
<i>Gyrinophilus palleucus</i>	Tennessee Cave Salamander Aquatic cave obligate; cave streams & rimstone pools; Central Basin, Eastern Highland Rim, & Cumberland Plateau.	S2	G2G3	T	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Ixobrychus exilis</i>	Least Bittern Marshes with scattered bushes or other woody growth; readily uses artificial wetland habitats.	S2B	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Percina tanasi</i>	Snail Darter Sand and gravel shoals of moderately flowing, vegetated, large creeks; upper Tennessee River watershed.	S2S3	G2G3	T	LT
<i>Rallus elegans</i>	King Rail Marshes, upland-wetland marsh edges, flooded farmlands, shrub swamps.	S2	G4	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--

-- End of Hamilton --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Hancock County

Known Species: 51

Invertebrate Animals: 27		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cumberlandia monodonta</i>	Spectaclecase Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.	S2S3	G3	--	C
<i>Cyprogenia stegaria</i>	Fanshell Medium to large streams and rivers with coarse sand and gravel substrates; Cumberland and Tennessee river systems.	S1	G1Q	E	LE
<i>Dromus dromas</i>	Dromedary Pearlymussel Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.	S1	G1	E	LE
<i>Epioblasma brevidens</i>	Cumberlandian Combshell Large creeks to large rivers, in coarse sand or mixtures of gravel, cobble, or rocks; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Epioblasma capsaeformis</i>	Oyster Mussel Shallow riffles in mod-swift current of small-medium rivers with coarse sand and gravel; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Epioblasma triquetra</i>	Snuffbox Riffles of medium-large rivers with stony or sandy bottoms, in swift currents, usually deeply buried; Tennessee & Cumb. river systems.	S3	G3	--	--
<i>Fusconaia cor</i>	Shiny Pigtoe Shoals and riffles of small-medium sized rivers with mod-fast current over sand-cobble substrates; upper Tennessee River watershed.	S1	G1	E	LE
<i>Fusconaia cuneolus</i>	Finerayed Pigtoe Riffles of fords and shoals of mod gradient streams in firm cobble and gravel substrates; middle & upper Tennessee River watershed.	S1	G1	E	LE
<i>Hemistena lata</i>	Cracking Pearlymussel Medium-sized rivers of mod current, deeply buried in mud, sand, gravel, and cobble substrates; Tennessee & Cumb. river systems.	S1	G1	E	LE
<i>Io fluvialis</i>	Spiny Riversnail Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	S2	G2	--	--
<i>Lampsilis abrupta</i>	Pink Mucket Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	S2	G2	E	LE
<i>Lemiox rimosus</i>	Birdwing Pearlymussel Small-medium size rivers in riffle areas with sand and gravel substrates in mod-fast currents; Tennessee River system.	S1	G1	E	LE
<i>Lexingtonia dolabelloides</i>	Slabside Pearlymussel Lg creeks to mod sized rivers, in riffles/shoals of sand, fine gravel, and cobble substrates with mod current; Tennessee R watershed.	S2	G2	--	C
<i>Ligidium elrodii hancockensis</i>	A Cave Obligate Isopod Terrestrial cave obligate; in wet organic debris; northern Ridge & Valley.	S1?	G4G5T1T2	--	--
<i>Nesticus paynei</i>	A Cave Spider Terrestrial cave associate; also may be found on surface; northern Ridge & Valley.	S3	G3G4	--	--
<i>Obovaria subrotunda</i>	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.	S2S3	G4	--	--
<i>Plethobasus cyphus</i>	Sheepnose Large to medium-sized rivers, in riffles and coarse sand/gravel subst; TN & Cumb river systems incl KY Reservoir; W Uplands & Rim.	S2S3	G3	--	C



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Hancock County . . . Continued

Known Species: 51

Invertebrate Animals: 27 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Pleurobema oviforme</i>	Tennessee Clubshell Small, shallow streams & rivers with good current & coarse gravel/sand substrates; Tennessee & Cumberland river systems.	S2S3	G2G3	--	--
<i>Pleurobema plenum</i>	Rough Pigtoe Medium to large rivers in sand, gravel, and cobble substrates of shoals; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Pleurobema rubrum</i>	Pyramid Pigtoe Rivers with strong current and firm sand/gravel substrates; TN & Cumb river systems incl KY Reservoir; W Uplands & W Highland Rim.	S1S2	G2G3	--	--
<i>Pseudanophthalmus longiceps</i>	Long-headed Cave Beetle Terrestrial cave obligate; Ridge & Valley.	S1	G1G2	--	--
<i>Pseudanophthalmus rotundatus</i>	A Ground Beetle Terrestrial cave obligate; northern Ridge & Valley.	S2	G2G3	--	--
<i>Ptychobranthus subtentum</i>	Fluted Kidneyshell Small-medium rivers in swift current or riffles, in sand, gravel, and cobble substrates; Tennessee & Cumberland river systems.	S2	G2	--	C
<i>Quadrula cylindrica strigillata</i>	Rough Rabbitsfoot Small-medium sized rivers, in clear, shallow riffles with sand-gravel substrates; Tenn. & Cumb. river systems; upland form.	S2	G3G4T2	E	LE
<i>Quadrula intermedia</i>	Cumberland Monkeyface Shallow riffle and shoal areas of headwater streams and bigger rivers, in coarse sand/gravel substrates; Tennessee River system.	S1	G1	E	LE
<i>Quadrula sparsa</i>	Appalachian Monkeyface Headwater sections of rivers in shallow riffles/runs with sand-gravel substrate & moderate current; upper Tennessee River drainage.	S1	G1	E	LE
<i>Villosa perpurpurea</i>	Purple Bean Creeks to medium-sized rivers, headwaters, in riffles with coarse sand & gravel & some silt; upper Tennessee River watershed.	S1	G1	E	LE
Vascular Plants: 8		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cimicifuga rubifolia</i>	Appalachian Bugbane Rich Woods	S3	G3	T	--
<i>Draba ramosissima</i>	Branching Whitlow-grass Calcareous Bluffs	S2	G4	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lonicera dioica</i>	Mountain Honeysuckle Mountain Woods And Thickets	S2	G5	S	--
<i>Meehania cordata</i>	Heartleaf Meehania Wooded Mountain Slopes	S2	G5	T	--
<i>Scutellaria saxatilis</i>	Rock Skullcap Rocky Woods And Moist Cliffs	S3	G3	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Hancock County . . . Continued

Known Species: 51

Vascular Plants: 8 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Thuja occidentalis</i>	Northern White Cedar Calcareous Rocky Seeps, Cliffs	S3	G5	S	--
Vertebrate Animals: 16					
<i>Acipenser fulvescens</i>	Lake Sturgeon Bottoms of large, clean rivers and lakes.	S1	G3G4	E	--
<i>Carpionodes velifer</i>	Highfin Carpsucker Large rivers, mostly in Tennessee River drainage.	S2S3	G4G5	D	--
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Erimystax cahni</i>	Slender Chub Major headwater tribs to TN River with small gravel substrates & swift-moderate currents.	S1	G1	T	LT
<i>Etheostoma cinereum</i>	Ashy Darter Small to medium upland rivers with bedrock or gravel substrate and boulders.	S2S3	G2G3	T	--
<i>Etheostoma denoncourti</i>	Golden Darter Medium to large rivers in shallow riffle areas of pea gravel; Tennessee River system.	S2	G2	--	--
<i>Etheostoma tippecanoe</i>	Tippecanoe Darter Medium to large rivers in shallow riffle areas containing fine cherty gravel; Cumberland River watershed.	S1S2	G3G4	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Noturus flavipinnis</i>	Yellowfin Madtom Medium size to large creeks and small rivers that are unpolluted & relatively unsilted; upper Tennessee River watershed.	S1	G1	E	LT,XN
<i>Noturus stanauli</i>	Pygmy Madtom Medium to large rivers with moderate to strong current over gravel substrates; Tennessee River watershed.	S1	G1	E	LE
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--
<i>Percina burtoni</i>	Blotchside Logperch Large creeks and small-medium rivers with low turbidity and gravel-cobble substrates; Tennessee & Cumberland river watersheds.	S2	G2G3	D	--
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--

-- End of Hancock --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Hardeman County **Known Species: 18**

Invertebrate Animals: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Fallicambarus hortonii</i>	Hatchie Burrowing Crayfish <small>Primary burrower; uses saturated or seasonally saturated soils associated with permanent bodies of water; Mississippi River tributaries, Coastal Plain.</small>	S1	G1	E	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ceratophyllum echinatum</i>	Prickly Hornwort <small>Slow Moving Streams</small>	S1	G4?	S	--
<i>Magnolia virginiana</i>	Sweetbay Magnolia <small>Forested Acidic Wetlands</small>	S2	G5	T	--
<i>Symplocos tinctoria</i>	Horse-sugar <small>Floodplains And Moist Ravines</small>	S2	G5	S	--
Vertebrate Animals: 13		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ammocrypta beani</i>	Naked Sand Darter <small>Shifting sand bottoms & sandy runs; Hatchie River & larger tribs.</small>	S2	G5	D	--
<i>Ammocrypta vivax</i>	Scaly Sand Darter <small>Small to medium rivers with sandy substrate; Hatchie & Buffalo rivers.</small>	S2	G5	D	--
<i>Chondestes grammacus</i>	Lark Sparrow <small>Open habitats with scattered bushes and trees, prairie, cultivated areas, fields with bushy borders; ground nester.</small>	S1B	G5	T	--
<i>Dendroica cerulea</i>	Cerulean Warbler <small>Mature deciduous forest, particularly in floodplains or mesic conditions.</small>	S3B	G4	D	--
<i>Hyla gratiosa</i>	Barking Treefrog <small>Low wet woods and swamps esp. with ephemeral ponds.</small>	S3	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler <small>Mature, rich, damp, deciduous floodplain and swamp forests.</small>	S3	G4	D	--
<i>Myotis grisescens</i>	Gray Myotis <small>Cave obligate year-round; frequents forested areas; migratory.</small>	S2	G3	E	LE
<i>Noturus gladiator</i>	Piebald Madtom <small>Large creeks & rivers in moderate-swift currents with clean sand or gravel substrates; Mississippi River tributaries.</small>	S3	G3	D	--
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard <small>Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.</small>	S3	G5T5	D	--
<i>Sistrurus miliarius streckeri</i>	Western Pygmy Rattlesnake <small>Usually near water in river floodplains, swamps, marshes, and wet prairies; occas drier wooded uplands; W half of Tenn., generally.</small>	S2S3	G5T5	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Hardeman County . . . Continued

Known Species: 18

Vertebrate Animals: 13 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Hardeman --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Hardin County

Known Species: 43

Invertebrate Animals: 13		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cumberlandia monodonta</i>	Spectaclecase Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.	S2S3	G3	--	C
<i>Cyprogenia stegaria</i>	Fanshell Medium to large streams and rivers with coarse sand and gravel substrates; Cumberland and Tennessee river systems.	S1	G1Q	E	LE
<i>Hemistena lata</i>	Cracking Pearlymussel Medium-sized rivers of mod current, deeply buried in mud, sand, gravel, and cobble substrates; Tennessee & Cumb. river systems.	S1	G1	E	LE
<i>Lampsilis abrupta</i>	Pink Mucket Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	S2	G2	E	LE
<i>Lithasia salebrosa</i>	Muddy Rocksnail Formerly occurred in portions of lower Cumberland and lower Tennessee systems; may be limited to dam tailwaters currently.	S2	G3G4Q	--	--
<i>Obovaria retusa</i>	Ring Pink Large rivers in gravel and sand bars; Tennessee & Cumberland river watersheds; many historic locations currently inundated.	S1	G1	E	LE
<i>Ophiogomphus acuminatus</i>	Acuminate Snaketail Clear, mostly shaded streams with at least pockets of sandy gravel; Western Highland Rim & Western Uplands.	S2	G3	--	--
<i>Orconectes wrighti</i>	Hardin Crayfish Small-medium sized streams with cobble-sand substrates, under rocks or in leaf litter; western tribs of the Tennessee River in Hardin & McNairy counties.	S2	G2	E	--
<i>Plethobasus cicatricosus</i>	White Wartyback Presumed to inhabit shoals and riffles in large rivers; Tennessee & Cumberland river systems. Very rare & poss extirpated in TN.	S1	G1	E	LE
<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.	S1	G1	E	LE
<i>Pleurobema clava</i>	Clubshell Small/med-sized rivers and streams; deeply buried in sand/fine gravel or in clean, coarse sand/gravel runs; lower Cumb. & Tenn. rivers.	SH	G2	E	LE
<i>Pleurobema plenum</i>	Rough Pigtoe Medium to large rivers in sand, gravel, and cobble substrates of shoals; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot Large rivers in sand and gravel; Tennessee & Cumberland systems; big river form of Q. cylindrica.	S3	G3G4T3	--	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 12		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acmella oppositifolia</i>	Creeping Spot-flower Swamps And Wetlands	S3	G5	S	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Hardin County . . . Continued

Known Species: 43

Vascular Plants: 12 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carex lacustris</i>	Lake-bank Sedge Alluvial Woods	S1	G5	T	--
<i>Didiplis diandra</i>	Water-purslane Swamps	S1	G5	T	--
<i>Erythronium rostratum</i>	Beaked Trout-lily Mesic Woods And Slopes	S2	G5	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Iris brevicaulis</i>	Lamance Iris Bottomlands	S1	G4	E	--
<i>Lysimachia fraseri</i>	Fraser's Loosestrife Dry Open Woods	S2	G3	E	--
<i>Melanthium virginicum</i>	Virginia Bunchflower Wet Woods And Fields	S1	G5	E	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Polygala mariana</i>	Maryland Milkwort Sandy Alluvial Woods And Disturbed Areas	S1	G5	S	--
<i>Salvia azurea var. grandiflora</i>	Blue Sage Barrens	S3	G4G5T4?	S	--
<i>Silene ovata</i>	Ovate Catchfly Open Oak Woods	S2	G3	E	--
Vertebrate Animals: 17		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carpionodes velifer</i>	Highfin Carpsucker Large rivers, mostly in Tennessee River drainage.	S2S3	G4G5	D	--
<i>Chondestes grammacus</i>	Lark Sparrow Open habitats with scattered bushes and trees, prairie, cultivated areas, fields with bushy borders; ground nester.	S1B	G5	T	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Egretta caerulea</i>	Little Blue Heron Bodies of calm shallow water; colonial nester.	S2B,S3N	G5	D	--
<i>Etheostoma tuscumbia</i>	Tuscumbia Darter Ponded spring-fed habitats of valley floor springs; lower Tennessee River; probably extirpated from TN.	SX	G2	D	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Hardin County . . . Continued

Known Species: 43

Vertebrate Animals: 17 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Ichthyomyzon gagei</i>	Southern Brook Lamprey Gravel and sand riffles and runs of small rivers and creeks; Conasauga & lower Tennessee river watersheds.	S1	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Noturus fasciatus</i>	Saddled Madtom Rocky riffles, runs, and flowing pools of clear creeks & small rivers; Duck River system and nearby tributaries of the Tennessee River.	S2	G2	T	--
<i>Sistrurus miliarius streckeri</i>	Western Pygmy Rattlesnake Usually near water in river floodplains, swamps, marshes, and wet prairies; occas drier wooded uplands; W half of Tenn., generally.	S2S3	G5T5	T	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Hardin --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Hawkins County

Known Species: 41

Invertebrate Animals: 9		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Fusconaia cor</i>	Shiny Pigtoe Shoals and riffles of small-medium sized rivers with mod-fast current over sand-cobble substrates; upper Tennessee River watershed.	S1	G1	E	LE
<i>Fusconaia cuneolus</i>	Finerayed Pigtoe Riffles of fords and shoals of mod gradient streams in firm cobble and gravel substrates; middle & upper Tennessee River watershed.	S1	G1	E	LE
<i>Io fluvialis</i>	Spiny Riversnail Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	S2	G2	--	--
<i>Lemiox rimosus</i>	Birdwing Pearlymussel Small-medium size rivers in riffle areas with sand and gravel substrates in mod-fast currents; Tennessee River system.	S1	G1	E	LE
<i>Nesticus tennesseensis</i>	Tennessee cave spider Terrestrial cave associate or possibly obligate; east Tennessee.	S2S4	G3G4	--	--
<i>Pseudanophthalmus paradoxus</i>	Ridgetop Cave Beetle Terrestrial cave obligate; northern Ridge & Valley.	S1	G1	--	--
<i>Quadrula intermedia</i>	Cumberland Monkeyface Shallow riffle and shoal areas of headwater streams and bigger rivers, in coarse sand/gravel substrates; Tennessee River system.	S1	G1	E	LE
<i>Villosa perpurpurea</i>	Purple Bean Creeks to medium-sized rivers, headwaters, in riffles with coarse sand & gravel & some silt; upper Tennessee River watershed.	S1	G1	E	LE
<i>Villosa trabalis</i>	Cumberland Bean Riffle areas of small rivers & streams in sand, gravel, & cobble substrates with swift current; upper Cumb. & upper Tenn. river systems.	S1	G1	E	LE
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 12		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Berberis canadensis</i>	American Barberry Rocky Woods And River Bars	S2	G3	S	--
<i>Cimicifuga rubifolia</i>	Appalachian Bugbane Rich Woods	S3	G3	T	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Draba ramosissima</i>	Branching Whitlow-grass Calcareous Bluffs	S2	G4	S	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Leucothoe racemosa</i>	Fetter-bush Acidic Wetlands And Swamps	S2	G5	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Hawkins County . . . Continued

Known Species: 41

Vascular Plants: 12 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Lonicera dioica</i>	Mountain Honeysuckle Mountain Woods And Thickets	S2	G5	S	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Paxistima canbyi</i>	Canby's Mountain-lover Rocky, Mountain Woods	S1	G2	E	--
<i>Pieris floribunda</i>	Mountain Fetter-bush Heath Thickets	S2	G4	T	--
<i>Scutellaria saxatilis</i>	Rock Skullcap Rocky Woods And Moist Cliffs	S3	G3	T	--
<i>Thuja occidentalis</i>	Northern White Cedar Calcareous Rocky Seeps, Cliffs	S3	G5	S	--
Vertebrate Animals: 19		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carpionodes velifer</i>	Highfin Carpsucker Large rivers, mostly in Tennessee River drainage.	S2S3	G4G5	D	--
<i>Corvus corax</i>	Common Raven Hilly or mountainous areas, esp near cliffs; nests usually on cliff ledges or in coniferous trees.	S2	G5	T	--
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Erimonax monachus</i>	Spotfin Chub Clear upland rivers with swift currents & boulder substrates; portions of the Tennessee River watershed.	S2	G2	T	LT,XN, PXN
<i>Erimystax cahni</i>	Slender Chub Major headwater tribs to TN River with small gravel substrates & swift-moderate currents.	S1	G1	T	LT
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Napaeozapus insignis</i>	Woodland Jumping Mouse Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	S4	G5	D	--
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Parascalops breweri</i>	Hairy-tailed Mole Moist soils in deciduous forests with thick humus; east Tennessee.	S3	G5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Hawkins County . . . Continued

Known Species: 41

Vertebrate Animals: 19 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Passerculus sandwichensis</i>	Savannah Sparrow Grassland habitats, away from cultivated fields and fence lines; reported from Ridge & Valley and Western Highland Rim.	S1B,S4N	G5	--	--
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--
<i>Percina burtoni</i>	Blotchside Logperch Large creeks and small-medium rivers with low turbidity and gravel-cobble substrates; Tennessee & Cumberland river watersheds.	S2	G2G3	D	--
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--

-- End of Hawkins --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Haywood County

Known Species: 16

Invertebrate Animals: 2		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Obovaria jacksoniana</i>	Southern Hickorynut Rivers with medium-sized gravel substrates and low-mod current; Wolf & Hatchie rivers; Mississippi River watershed; west Tennessee.	S1	G2	--	--
<i>Villosa vibex</i>	Southern Rainbow Mud or soft sand in small rivers & creeks in areas with moderate current; Conasauga, Hatchie, and Wolf (Miss. R.) river systems.	S2	G5Q	--	--
Vascular Plants: 5		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acmella oppositifolia</i>	Creeping Spot-flower Swamps And Wetlands	S3	G5	S	--
<i>Agalinis heterophylla</i>	Prairie False-foxglove Barrens	S1	G4G5	T	--
<i>Carex reniformis</i>	Reniform Sedge Rich Bottomland Woods	S1	G4?	S	--
<i>Ceratophyllum echinatum</i>	Prickly Hornwort Slow Moving Streams	S1	G4?	S	--
<i>Ulmus crassifolia</i>	Cedar Elm Swamps	S2	G5	S	--
Vertebrate Animals: 9		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ammocrypta beani</i>	Naked Sand Darter Shifting sand bottoms & sandy runs; Hatchie River & larger tribs.	S2	G5	D	--
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Neotoma floridana illinoensis</i>	Eastern Woodrat Forested areas, caves & outcrops; west Tennessee generally.	S3	G5T5	D	--
<i>Noturus gladiator</i>	Piebald Madtom Large creeks & rivers in moderate-swift currents with clean sand or gravel substrates; Mississippi River tributaries.	S3	G3	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--

-- End of Haywood --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Henderson County

Known Species: 14

Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 4		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Erythronium rostratum</i>	Beaked Trout-lily Mesic Woods And Slopes	S2	G5	S	--
<i>Fuirena squarrosa</i>	Hairy Umbrella-sedge Stream And Lake Margins	S1	G4G5	S	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Pilularia americana</i>	American Pillwort Lake Drawdown Zones	S1S2	G5	S	--
Vertebrate Animals: 9		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aimophila aestivalis</i>	Bachman's Sparrow Dry open pine or oak woods; nests on the ground in dense cover.	S1B	G3	E	--
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Etheostoma pyrrhogaster</i>	Firebelly Darter Sand- and gravel-bottomed pools of headwaters, creeks, and small rivers; upper Coastal Plain; west Tennessee.	S2	G2G3	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Plestiodon anthracinus</i>	Coal Skink Humid wooded areas with abundant leaf litter and loose rocks; vicinity of springs, swamps, and bogs; spotty distribution.	S1	G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Henderson --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Henry County

Known Species: 18

Invertebrate Animals: 2		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Orconectes burri</i>	Blood River Crayfish In woody debris or leaf piles, small-medium sized streams with sand-gravel substrates; Blood River drainage (TN River), Henry County.	S1	G1	--	--
<i>Orconectes taylori</i>	Crescent crayfish Found among woody debris & tree roots; small-med size tribs of N Fk Obion River with slow-mod current; Henry County.	S2	G2	--	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 9		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Bolboschoenus fluviatilis</i>	River Bulrush Marshes	S1	G5	S	--
<i>Carex reniformis</i>	Reniform Sedge Rich Bottomland Woods	S1	G4?	S	--
<i>Didiplis diandra</i>	Water-purslane Swamps	S1	G5	T	--
<i>Heteranthera limosa</i>	Blue Mud-plantain Mud Flats	S1S2	G5	T	--
<i>Isoetes melanopoda</i>	Blackfoot Quillwort Wet Fields	S1S2	G5	E	--
<i>Myriophyllum pinnatum</i>	Cutleaf Water-milfoil Acidic Wetland And Ponds	S1	G5	T	--
<i>Polygonum arifolium</i>	Halberd-leaf Tearthumb Wetlands And Marshes	S1	G5	T	--
<i>Salvia azurea var. grandiflora</i>	Blue Sage Barrens	S3	G4G5T4?	S	--
<i>Silphium laciniatum</i>	Compass Plant Barrens	S2	G5	T	--
Vertebrate Animals: 6		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Atractosteus spatula</i>	Alligator Gar Sluggish pools of large rivers, oxbows, swamps, and backwaters; west Tennessee.	S1	G3G4	D	--
<i>Chondestes grammacus</i>	Lark Sparrow Open habitats with scattered bushes and trees, prairie, cultivated areas, fields with bushy borders; ground nester.	S1B	G5	T	--
<i>Etheostoma pyrrhogaster</i>	Firebelly Darter Sand- and gravel-bottomed pools of headwaters, creeks, and small rivers; upper Coastal Plain; west Tennessee.	S2	G2G3	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Henry County . . . Continued

Known Species: 18

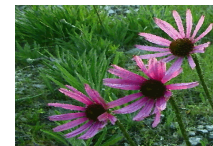
Vertebrate Animals: 6 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Macrochelys temminckii</i>	Alligator Snapping Turtle Slow moving, deep water of rivers, sloughs, oxbows, swamps, and lakes; middle and west Tennessee; obscure.	S2S3	G3G4	D	--
<i>Noturus gladiator</i>	Piebald Madtom Large creeks & rivers in moderate-swift currents with clean sand or gravel substrates; Mississippi River tributaries.	S3	G3	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--

-- End of Henry --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Hickman County Known Species: 36

Invertebrate Animals: 6		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Lexingtonia dolabelloides</i>	Slabside Pearlymussel <small>Lg creeks to mod sized rivers, in riffles/shoals of sand, fine gravel, and cobble substrates with mod current; Tennessee R watershed.</small>	S2	G2	--	C
<i>Lithasia duttoniana</i>	Helmet Rocksnail <small>Rocky substrates in riffle systems; bedrock in flowing water below main section of riffles; Duck River (TN River system).</small>	S2	G2Q	--	--
<i>Lithasia geniculata fuliginosa</i>	Geniculate River Snail <small>Medium-sized river form of L. geniculata; portions of lower Cumberland and lower Tennessee river systems; Duck & Buffalo rivers.</small>	S2	G3T3Q	--	--
<i>Ophiogomphus acuminatus</i>	Acuminate Snaketail <small>Clear, mostly shaded streams with at least pockets of sandy gravel; Western Highland Rim & Western Uplands.</small>	S2	G3	--	--
<i>Pseudanophthalmus occidentalis</i>	Western Cave Beetle <small>Terrestrial cave obligate; Western Highland Rim.</small>	S1	G1G2	--	--
<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot <small>Large rivers in sand and gravel; Tennessee & Cumberland systems; big river form of Q. cylindrica.</small>	S3	G3G4T3	--	--
Vascular Plants: 15		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Apios priceana</i>	Price's Potato-bean <small>Openings In Rich Woods</small>	S2	G2	E	LT
<i>Carex hirtifolia</i>	Pubescent Sedge <small>Lowland Forests</small>	S1S2	G5	S	--
<i>Carex oxylepis var. pubescens</i>	Hairy Sharp-scaled Sedge <small>Wooded Bluffs, Floodplains</small>	S1	G5?T3	S	--
<i>Cerastium velutinum var. velutinum</i>	Velvety Cerastium <small>Bluffs</small>	S1	G5T4?	E	--
<i>Collinsia verna</i>	Spring Blue-eyed Mary <small>Rich Wet-Mesic Woods</small>	S1	G5	E	--
<i>Elymus svensonii</i>	Svenson's Wild-rye <small>Rocky Bluffs</small>	S2	G3	E	--
<i>Erythronium rostratum</i>	Beaked Trout-lily <small>Mesic Woods And Slopes</small>	S2	G5	S	--
<i>Hydrastis canadensis</i>	Goldenseal <small>Rich Woods</small>	S3	G4	S-CE	--
<i>Juglans cinerea</i>	Butternut <small>Rich Woods And Hollows</small>	S3	G4	T	--
<i>Lesquerella densipila</i>	Duck River Bladderpod <small>Cultivated Fields</small>	S3	G3	T	--
<i>Lilium canadense</i>	Canada Lily <small>Rich Woods And Seeps</small>	S3	G5	T	--
<i>Melanthium woodii</i>	Ozark Bunchflower <small>Rich Wooded Slopes</small>	S1	G5	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Hickman County . . . Continued

Known Species: 36

Vascular Plants: 15 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Stellaria fontinalis</i>	Water Stitchwort Seeps And Limestone Creek Beds	S3	G3	T	--
<i>Vitis rupestris</i>	Sand Grape Sandy, Rocky Riverbanks	S1	G3	E	--
Vertebrate Animals: 15		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Etheostoma aquali</i>	Coppercheek Darter Primarily in deep riffles, runs, and flowing pools; Duck and Buffalo River watersheds.	S2S3	G2G3	T	--
<i>Etheostoma luteovinctum</i>	Redband Darter Limestone streams; Nashville Basin & portions of Highland Rim.	S4	G4	D	--
<i>Etheostoma pseudovulatum</i>	Egg-mimic Darter Small to medium sized, gravelly, cool, spring-fed streams; lower Duck River watershed.	S1	G1	E	--
<i>Ichthyomyzon gagei</i>	Southern Brook Lamprey Gravel and sand riffles and runs of small rivers and creeks; Conasauga & lower Tennessee river watersheds.	S1	G5	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Noturus fasciatus</i>	Saddled Madtom Rocky riffles, runs, and flowing pools of clear creeks & small rivers; Duck River system and nearby tributaries of the Tennessee River.	S2	G2	T	--
<i>Noturus stanauli</i>	Pygmy Madtom Medium to large rivers with moderate to strong current over gravel substrates; Tennessee River watershed.	S1	G1	E	LE
<i>Percina burtoni</i>	Blotchside Logperch Large creeks and small-medium rivers with low turbidity and gravel-cobble substrates; Tennessee & Cumberland river watersheds.	S2	G2G3	D	--
<i>Percina phoxocephala</i>	Slenderhead Darter Small-large rivers with moderate gradient in shoal areas with moderate-swift currents; portions of Tenn & Cumb river watersheds.	S3	G5	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Sistrurus miliarius streckeri</i>	Western Pygmy Rattlesnake Usually near water in river floodplains, swamps, marshes, and wet prairies; occas drier wooded uplands; W half of Tenn., generally.	S2S3	G5T5	T	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Hickman County . . . Continued

Known Species: 36

Vertebrate Animals: 15 . . . Continued

St. Rank Global Rank St. Prot. Fed. Prot.

Zapus hudsonius Meadow Jumping Mouse S4 G5 D No Status
Open grassy fields; often abundant in thick vegetation near water bodies; statewide.

-- End of Hickman --

Houston County

Known Species: 7

Invertebrate Animals: 1

St. Rank Global Rank St. Prot. Fed. Prot.

Ophiogomphus acuminatus Acuminate Snaketail S2 G3 -- --
Clear, mostly shaded streams with at least pockets of sandy gravel; Western Highland Rim & Western Uplands.

Other Types: 1

St. Rank Global Rank St. Prot. Fed. Prot.

Heron rookery Heron Rookery SNR GNR -- --

Vascular Plants: 1

St. Rank Global Rank St. Prot. Fed. Prot.

Vitis rupestris Sand Grape S1 G3 E --
Sandy, Rocky Riverbanks

Vertebrate Animals: 4

St. Rank Global Rank St. Prot. Fed. Prot.

Egretta caerulea Little Blue Heron S2B,S3N G5 D --
Bodies of calm shallow water; colonial nester.

Macrochelys temminckii Alligator Snapping Turtle S2S3 G3G4 D --
Slow moving, deep water of rivers, sloughs, oxbows, swamps, and lakes; middle and west Tennessee; obscure.

Myotis grisescens Gray Myotis S2 G3 E LE
Cave obligate year-round; frequents forested areas; migratory.

Pituophis melanoleucus melanoleucus Northern Pinesnake S3 G4T4 T --
Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.

-- End of Houston --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Humphreys County

Known Species: 45

Invertebrate Animals: 10		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cumberlandia monodonta</i>	Spectaclecase <small>Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.</small>	S2S3	G3	--	C
<i>Lampsilis abrupta</i>	Pink Mucket <small>Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.</small>	S2	G2	E	LE
<i>Lexingtonia dolabelloides</i>	Slabside Pearlymussel <small>Lg creeks to mod sized rivers, in riffles/shoals of sand, fine gravel, and cobble substrates with mod current; Tennessee R watershed.</small>	S2	G2	--	C
<i>Lithasia duttoniana</i>	Helmet Rocksnail <small>Rocky substrates in riffle systems; bedrock in flowing water below main section of riffles; Duck River (TN River system).</small>	S2	G2Q	--	--
<i>Obovaria retusa</i>	Ring Pink <small>Large rivers in gravel and sand bars; Tennessee & Cumberland river watersheds; many historic locations currently inundated.</small>	S1	G1	E	LE
<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback <small>Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.</small>	S1	G1	E	LE
<i>Pleurobema clava</i>	Clubshell <small>Small/med-sized rivers and streams; deeply buried in sand/fine gravel or in clean, coarse sand/gravel runs; lower Cumb. & Tenn. rivers.</small>	SH	G2	E	LE
<i>Pleurobema plenum</i>	Rough Pigtoe <small>Medium to large rivers in sand, gravel, and cobble substrates of shoals; Tennessee & Cumberland river systems.</small>	S1	G1	E	LE
<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot <small>Large rivers in sand and gravel; Tennessee & Cumberland systems; big river form of Q. cylindrica.</small>	S3	G3G4T3	--	--
<i>Simpsonaias ambigua</i>	Salamander Mussel <small>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.</small>	S1	G3	--	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 15		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Arabis shortii</i>	Short's Rock-cress <small>Wooded Bluffs & Floodplains</small>	S1S2	G5	S	--
<i>Bolboschoenus fluviatilis</i>	River Bulrush <small>Marshes</small>	S1	G5	S	--
<i>Carex hirtifolia</i>	Pubescent Sedge <small>Lowland Forests</small>	S1S2	G5	S	--
<i>Carex reniformis</i>	Reniform Sedge <small>Rich Bottomland Woods</small>	S1	G4?	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Humphreys County . . . Continued

Known Species: 45

Vascular Plants: 15 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Echinochloa walteri</i>	Walter's Barnyard Grass Bottomlands And Marshes	S1	G5	S	--
<i>Hasteola suaveolens</i>	Sweet-scented Indian-plantain Alluvial Woods, Moist Slopes	S2	G4	T	--
<i>Heteranthera limosa</i>	Blue Mud-plantain Mud Flats	S1S2	G5	T	--
<i>Iris brevicaulis</i>	Lamance Iris Bottomlands	S1	G4	E	--
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Liparis loeselii</i>	Fen Orchis Calcareous Seeps	S1	G5	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Prenanthes barbata</i>	Bearded Rattlesnake-root Barrens And Dry Woodlands	S2	G3	S	--
<i>Pseudognaphalium helleri</i>	Heller's Catfoot Dry Sandy Woods	S2	G4G5	S	--
<i>Sagittaria brevirostra</i>	Short-beaked Arrowhead Swamps And Floodplains	S1	G5	T	--
<i>Spiranthes odorata</i>	Sweetscent Ladies'-tresses Swamps, Pond Margins	S1	G5	E	--
Vertebrate Animals: 19		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Anhinga anhinga</i>	Anhinga Swamps, lakes, and sluggish streams at low elevations.	S1B	G5	D	--
<i>Ardea alba</i>	Great Egret Marshes, swampy woods, streams, lakes, and ponds; also fields and meadows; colonial nester.	S2B,S3N	G5	D	--
<i>Carpionodes velifer</i>	Highfin Carpsucker Large rivers, mostly in Tennessee River drainage.	S2S3	G4G5	D	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Etheostoma aquali</i>	Coppercheek Darter Primarily in deep riffles, runs, and flowing pools; Duck and Buffalo River watersheds.	S2S3	G2G3	T	--
<i>Etheostoma denoncourti</i>	Golden Darter Medium to large rivers in shallow riffle areas of pea gravel; Tennessee River system.	S2	G2	--	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Humphreys County . . . Continued

Known Species: 45

Vertebrate Animals: 19 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Macrochelys temminckii</i>	Alligator Snapping Turtle Slow moving, deep water of rivers, sloughs, oxbows, swamps, and lakes; middle and west Tennessee; obscure.	S2S3	G3G4	D	--
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Noturus fasciatus</i>	Saddled Madtom Rocky riffles, runs, and flowing pools of clear creeks & small rivers; Duck River system and nearby tributaries of the Tennessee River.	S2	G2	T	--
<i>Noturus stanauli</i>	Pygmy Madtom Medium to large rivers with moderate to strong current over gravel substrates; Tennessee River watershed.	S1	G1	E	LE
<i>Percina burtoni</i>	Blotchside Logperch Large creeks and small-medium rivers with low turbidity and gravel-cobble substrates; Tennessee & Cumberland river watersheds.	S2	G2G3	D	--
<i>Percina phoxocephala</i>	Slenderhead Darter Small-large rivers with moderate gradient in shoal areas with moderate-swift currents; portions of Tenn & Cumb river watersheds.	S3	G5	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Sistrurus miliarius streckeri</i>	Western Pygmy Rattlesnake Usually near water in river floodplains, swamps, marshes, and wet prairies; occas drier wooded uplands; W half of Tenn., generally.	S2S3	G5T5	T	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Humphreys --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Jackson County

Known Species: 21

Invertebrate Animals: 6		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cambarincola marthae</i>	A Cave Obligate Worm Aquatic cave obligate; isopod parasite; northern Central Basin abutting Eastern Highland Rim.	S1	G1G2	--	--
<i>Dromus dromas</i>	Dromedary Pearlymussel Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.	S1	G1	E	LE
<i>Orconectes incomptus</i>	Tennessee Cave Crayfish Aquatic cave obligate; subterranean streams & shallow pools; lower-elevation caves of Highland Rim escarp; Cumb River watershed.	S1	G1	E	--
<i>Pseudanophthalmus simplex</i>	Simple Cave Beetle Terrestrial cave obligate; northern Eastern Highland Rim.	S1S2	G1G2	--	--
<i>Pseudotremia lethe</i>	A Cave Obligate Millipede Terrestrial cave obligate; wet caves of northern Central Basin abutting Eastern Highland Rim; Jackson County.	S1	G1	--	--
<i>Sagittocythere barri</i>	Ectocommensal Ostracod Aquatic cave obligate; crayfish commensal.	S3	G5	--	--
Vascular Plants: 7		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carex gravida</i>	Heavy Sedge Rocky River Bluffs	S1	G5	S	--
<i>Carex hitchcockiana</i>	Hitchcock's Sedge Rich Moist Woods	S1	G5	T	--
<i>Castanea dentata</i>	American Chestnut Mesic To Dry Forests	S2S3	G4	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lesquerella globosa</i>	Short's Bladderpod Limestone Talus Slopes And Cliffs	S2	G2	E	C
<i>Lonicera dioica</i>	Mountain Honeysuckle Mountain Woods And Thickets	S2	G5	S	--
Vertebrate Animals: 8		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ambystoma barbouri</i>	Streamside Salamander Seasonally ephemeral karst streams; middle Tennessee.	S2	G4	D	--
<i>Aquila chrysaetos</i>	Golden Eagle Open country, open wooded country, and barren areas, especially in hilly or mountainous regions.	S1	G5	T	--
<i>Crystallaria asprella</i>	Crystal Darter Small to medium rivers with expanses of clean sand and gravel; Cumberland River watershed.	SX	G3	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Jackson County . . . Continued

Known Species: 21

Vertebrate Animals: 8 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Etheostoma cinereum</i>	Ashy Darter Small to medium upland rivers with bedrock or gravel substrate and boulders.	S2S3	G2G3	T	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Jackson --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Jefferson County

Known Species: 14

Invertebrate Animals: 6		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cumberlandia monodonta</i>	Spectaclecase Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.	S2S3	G3	--	C
<i>Dromus dromas</i>	Dromedary Pearlymussel Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.	S1	G1	E	LE
<i>Fusconaia cor</i>	Shiny Pigtoe Shoals and riffles of small-medium sized rivers with mod-fast current over sand-cobble substrates; upper Tennessee River watershed.	S1	G1	E	LE
<i>Io fluvialis</i>	Spiny Riversnail Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	S2	G2	--	--
<i>Lampsilis abrupta</i>	Pink Mucket Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	S2	G2	E	LE
<i>Plethobasus cicatricosus</i>	White Wartyback Presumed to inhabit shoals and riffles in large rivers; Tennessee & Cumberland river systems. Very rare & poss extirpated in TN.	S1	G1	E	LE
Nonvascular Plants: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Archidium alternifolium</i>	Limestone Barrens	S1	G4G5	T	--
Vascular Plants: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Arabis patens</i>	Spreading Rockcress Moist Rocky Woods	S1	G3	E	--
<i>Cimicifuga rubifolia</i>	Appalachian Bugbane Rich Woods	S3	G3	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
Vertebrate Animals: 4		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE

-- End of Jefferson --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Johnson County

Known Species: 111

Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Southern and Central Appalachian Bog and Fen</i>	Southern and Central Appalachian Bog and Fen	S2	GNR	--	--
Invertebrate Animals: 6		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Anguispira jessica</i>	Mountain Disc Higher elevations in the southern Appalachians, arboreal; also inhabits rotting wood; Roan Mountain & Mt. Le Conte.	S3	G3G4	--	--
<i>Mesomphix rugeli</i>	Wrinkled Button Under leaf litter on wooded hillsides; far NE Tennessee; S Blue Ridge.	S3	G4	--	--
<i>Speyeria diana</i>	Diana Fritillary Fields, edges, and openings in moist, rich, forested mountains and valleys; Blue Ridge & Cumberland Plateau generally.	S3	G3G4	--	--
<i>Stenotrema altispira</i>	Highland Slitmouth Leaf litter, logs, talus in mixed woodland, spring fed slopes; higher elevations of central & N Blue Ridge; northeast Tennessee.	S2?	G3	--	--
<i>Ventridens coelaxis</i>	Bidentate Dome In leaf litter on mountainsides, often at higher elevations; northernmost Blue Ridge and Ridge & Valley.	S2S3	G3	--	--
<i>Ventridens decussatus</i>	Crossed Dome In leaf litter of oak woods, usually above 3,000 ft; Blue Ridge.	S2?	G3	--	--
Vascular Plants: 80		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Abies fraseri</i>	Fraser Fir Forests Above 5500 Ft	S1S2	G2	T	--
<i>Adlumia fungosa</i>	Climbing Fumitory Rich Mesic Woods	S2	G4	T	--
<i>Asplenium scolopendrium var. americanum</i>	Hart's-tongue Fern Sinks	S1	G4T3	E	LT
<i>Berberis canadensis</i>	American Barberry Rocky Woods And River Bars	S2	G3	S	--
<i>Botrychium matricariifolium</i>	Chamomile Grapefern Mountain Woods And Thickets	S1	G5	S	--
<i>Caltha palustris</i>	Marsh Marigold Bogs	S1	G5	E	--
<i>Campanula aparinoides</i>	Marsh Bellflower Bogs	S2	G5	S	--
<i>Cardamine clematitidis</i>	Mountain Bittercress High Elevation Seeps	S2	G3	T	--
<i>Cardamine rotundifolia</i>	Round-leaf Watercress Mucky Wetlands And Seeps	S2S3	G4	S	--
<i>Carex echinata ssp. echinata</i>	Little Prickly Sedge Swamps And Bogs	S1?	G5T5	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



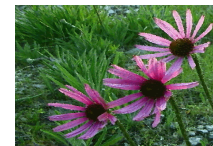
Johnson County . . . Continued

Known Species: 111

Vascular Plants: 80 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carex folliculata</i>	northern long sedge Wet Soils	S1	G4G5	S	--
<i>Carex hitchcockiana</i>	Hitchcock's Sedge Rich Moist Woods	S1	G5	T	--
<i>Carex roanensis</i>	Roan Mountain Sedge Mid-Elevation Woodlands	S2	G3	E	--
<i>Clintonia borealis</i>	Clinton's Lily High Elevation Mesic Forests	S2S3	G5	S	--
<i>Coeloglossum viride var. virescens</i>	Long-bracted Green Orchis Wet Woods And Seeps	S1	G5T5	E	--
<i>Corydalis sempervirens</i>	Pale Corydalis Dry Or Rocky Woods	S1S2	G4G5	E	--
<i>Cymophyllus fraserianus</i>	Fraser's Sedge Mixed Mesophytic Forests	S3	G4	S	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Cypripedium reginae</i>	Showy Lady's-slipper Calcareous Rocky Slopes	S1	G4	E	--
<i>Diervilla lonicera</i>	Northern Bush-honeysuckle Rocky Woodlands And Bluffs	S2	G5	T	--
<i>Drosera rotundifolia</i>	Roundleaf Sundew Bogs & Seeps	S1	G5	T	--
<i>Dryopteris carthusiana</i>	Spinulose Shield Fern Bogs	S1	G5	T	--
<i>Dryopteris cristata</i>	Crested Shield-fern Bogs	S2	G5	T	--
<i>Epilobium ciliatum</i>	Hairy Willow-herb Mountain Balds	S1	G5	T	--
<i>Epilobium leptophyllum</i>	Linear-leaved Willow-herb Mountain Bogs And Marshes	S1	G5	T	--
<i>Eriophorum virginicum</i>	Tawny Cotton-grass Bogs	S1S2	G5	E	--
<i>Galium asprellum</i>	Rough Bedstraw Spring-Fed Swamps	S1	G5	S	--
<i>Galium palustre</i>	Marsh Bedstraw Low Ground, Meadows, Swampy Hollows	S1	G5	S	--
<i>Gentiana austromontana</i>	Appalachian Gentian High Elevation Open Woods	S3	G3	S	--
<i>Geum aleppicum</i>	Yellow Avens Wet Meadows, Bogs	S1	G5	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Johnson County . . . Continued

Known Species: 111

Vascular Plants: 80 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Glyceria laxa</i>	Northern Mannagrass Bogs And Wet Areas	S1	G5TUQ	S	--
<i>Goodyera repens</i>	Dwarf Rattlesnake-plantain Moist Conifer/Rhododendron Woods	S1	G5	S	--
<i>Helianthus glaucophyllus</i>	White-leaved Sunflower Dry Open Woods	S1	G3	T	--
<i>Heracleum maximum</i>	Cow-parsnip Moist Woods And Floodplains	S2	G5	S	--
<i>Hexastylis virginica</i>	Virginia Heartleaf Sandy Or Rocky Woods	S2	G4	S	--
<i>Hieracium scabrum</i>	Rough Hawkweed Dry Open Woods And Pastures	S2	G5	T	--
<i>Hydrophyllum virginianum</i>	Appalachian Waterleaf Alluvial Woods	S3	G5	T	--
<i>Hypericum ellipticum</i>	Pale St. John's-wort Bogs	S1	G5	E	--
<i>Hypericum graveolens</i>	Mountain St. John's-wort Boggy Woods And River Banks	S3	G3	E	--
<i>Hypericum mitchellianum</i>	Blue Ridge St. John's-wort High Elevation, Moist Woods	S2	G3	T	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Kalmia angustifolia var. carolina</i>	Lambkill Bogs	SX	G5T4	E-P	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lonicera dioica</i>	Mountain Honeysuckle Mountain Woods And Thickets	S2	G5	S	--
<i>Lysimachia terrestris</i>	Swamp Loosestrife Wet Prairies And Swamps	S1	G5	E	--
<i>Meehania cordata</i>	Heartleaf Meehania Wooded Mountain Slopes	S2	G5	T	--
<i>Menziesia pilosa</i>	Minniebush Heath Balds And Cliffs	S2	G4G5	S	--
<i>Minuartia godfreyi</i>	Godfrey's Stitchwort Wet Meadows And Marshes	S1	G1	E	--
<i>Oenothera parviflora</i>	Northern Evening-primrose Disturbed Open Areas	S1	G4?	S	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Johnson County . . . Continued

Known Species: 111

Vascular Plants: 80 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Paronychia argyrocoma</i>	Silverling Dry Sandstone, Granite Outcrops	S1S2	G4	T	--
<i>Phegopteris connectilis</i>	Northern Beechfern Mountain Bogs And Rocky Seeps	S1	G5	S	--
<i>Platanthera grandiflora</i>	Large Purple Fringed Orchid Wet Meadows And Open Woods	S2	G5	E	--
<i>Platanthera orbiculata</i>	Large Round-leaved Orchid Mid-Elevation Mesic Forests	S3	G5	T	--
<i>Pogonia ophioglossoides</i>	Rose Pogonia Wet Acidic Barrens	S2	G5	E	--
<i>Polygonum arifolium</i>	Halberd-leaf Tearthumb Wetlands And Marshes	S1	G5	T	--
<i>Polygonum cilinode</i>	Fringed Black Bindweed Dry Rocky Woods And Thickets	S1S2	G5	T	--
<i>Potamogeton epihydrus</i>	Nuttall's Pondweed Lakes And Streams	S1S2	G5	S	--
<i>Potentilla tridentata</i>	Three-toothed Cinquefoil High Elevation Openings	S1S2	G5	S	--
<i>Prunus virginiana</i>	Choke Cherry Moist Coves And Slopes	S1	G5	S	--
<i>Pyrola americana</i>	American Wintergreen Moist Woods And Bogs	S2	G5	E	--
<i>Rhynchospora alba</i>	White Beakrush Bogs	SH	G5	E-P	--
<i>Sanguisorba canadensis</i>	Canada Burnet Bogs, Seeps, And Wet Meadows	S1	G5	E	--
<i>Saxifraga caroliniana</i>	Carolina Saxifrage Seepage Slopes And Wet Cliffs	S1S2	G3	E	--
<i>Saxifraga pennsylvanica</i>	Swamp Saxifrage Marshes And Wet Meadows	S1	G5	E	--
<i>Scutellaria saxatilis</i>	Rock Skullcap Rocky Woods And Moist Cliffs	S3	G3	T	--
<i>Sparganium androcladum</i>	Branching Bur-reed Slow Flowing Streams And Rivers, Ponds	S1	G4G5	E	--
<i>Spiraea alba</i>	Narrow-leaved Meadow-sweet Bogs	S1	G5	E	--
<i>Spiranthes lucida</i>	Shining Ladies'-tresses Alluvial Woods And Moist Slopes	S1S2	G5	T	--
<i>Streptopus roseus</i>	Rosy Twisted-stalk Rich, Moist Mountain Woods	S2	G5	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Johnson County . . . Continued

Known Species: 111

Vascular Plants: 80 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Symphotrichum praealtum</i>	Willow Aster Moist Prairies And Marshes	S1	G5	E	--
<i>Symplocarpus foetidus</i>	Skunk-cabbage Swamps And Bogs	S1	G5	E	--
<i>Thuja occidentalis</i>	Northern White Cedar Calcareous Rocky Seeps, Cliffs	S3	G5	S	--
<i>Triadenum fraseri</i>	Marsh St. John's-wort Mountain Bogs/Wetlands	S1?	G5	S	--
<i>Tsuga caroliniana</i>	Carolina Hemlock Dry Ridges	S3	G3	T	--
<i>Vaccinium macrocarpon</i>	Cranberry Bogs	S2	G4	T	--
<i>Veronica americana</i>	American Speedwell Marshes And Bogs	S1	G5	S	--
<i>Veronica scutellata</i>	Marsh-speedwell Marshes And Pond Margins	S1	G5	E	--
<i>Woodsia scopulina ssp. appalachiana</i>	Alleghany Cliff-fern Mountain Cliffs	S1S2	G4T4	S	--
<i>Zigadenus glaucus</i>	White Camas Wet Shaley Cliffs	S1	G4G5	E	--

Vertebrate Animals: 24		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ardea alba</i>	Great Egret Marshes, swampy woods, streams, lakes, and ponds; also fields and meadows; colonial nester.	S2B,S3N	G5	D	--
<i>Condylura cristata</i>	Star-nosed Mole Hydic soils in beech-maple-birch forests at higher elevations in the Appalachians.	S2	G5	D	--
<i>Corvus corax</i>	Common Raven Hilly or mountainous areas, esp near cliffs; nests usually on cliff ledges or in coniferous trees.	S2	G5	T	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Empidonax alnorum</i>	Alder Flycatcher Alder thickets adj. balds, forest edge, boggy meadows; higher elevations of Southern Blue Ridge.	S1	G5	--	--
<i>Glyptemys muhlenbergii</i>	Bog Turtle Muck-bottomed bogs, fens, marshy/sedge-tussock meadows, spring seeps, wet pastures, and shrub swamps; Appalachians.	S1	G3	T	SAT
<i>Hemidactylum scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Johnson County . . . Continued

Known Species: 111

Vertebrate Animals: 24 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Mustela nivalis</i>	Least Weasel Old fields, hedgerows, and forested areas; Appalachian Mountains, Ridge & Valley, & Cumberland Plateau.	S2	G5	--	--
<i>Napaeozapus insignis</i>	Woodland Jumping Mouse Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	S4	G5	D	--
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Parascalops breweri</i>	Hairy-tailed Mole Moist soils in deciduous forests with thick humus; east Tennessee.	S3	G5	D	--
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--
<i>Plethodon welleri</i>	Weller's Salamander Rich woods under downed logs, rocks, leaf litter; spruce-fir, birch-hemlock, and primarily deciduous forests of NE Blue Ridge.	S2	G3	D	--
<i>Pooecetes gramineus</i>	Vesper Sparrow Balds, old pastures; ground nester.	S1B,S4N	G5	D	--
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--
<i>Sorex dispar</i>	Long-tailed Shrew Mountainous, forested areas with loose talus; east Tennessee.	S2	G4	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Sphyrapicus varius</i>	Yellow-bellied Sapsucker Deciduous or mixed deciduous-coniferous forest; winters statewide and breeds in Appalachian Mountains.	S1B,S4N	G5	D	--
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Johnson --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Knox County **Known Species: 58**

Invertebrate Animals: 10	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Athearnia anthonyi</i>	Anthony Riversnail	S1	G1	E	LE,XN
	Larger rivers and downstream stretches of lg creeks, on cobble/boulder substrates adj. riffles; portions of upper TN River basin.				
<i>Dromus dromas</i>	Dromedary Pearlymussel	S1	G1	E	LE
	Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.				
<i>Fusconaia cor</i>	Shiny Pigtoe	S1	G1	E	LE
	Shoals and riffles of small-medium sized rivers with mod-fast current over sand-cobble substrates; upper Tennessee River watershed.				
<i>Fusconaia cuneolus</i>	Finerayed Pigtoe	S1	G1	E	LE
	Riffles of fords and shoals of mod gradient streams in firm cobble and gravel substrates; middle & upper Tennessee River watershed.				
<i>Io fluvialis</i>	Spiny Riversnail	S2	G2	--	--
	Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.				
<i>Lampsilis abrupta</i>	Pink Mucket	S2	G2	E	LE
	Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.				
<i>Lemiox rimosus</i>	Birdwing Pearlymussel	S1	G1	E	LE
	Small-medium size rivers in riffle areas with sand and gravel substrates in mod-fast currents; Tennessee River system.				
<i>Nesticus paynei</i>	A Cave Spider	S3	G3G4	--	--
	Terrestrial cave associate; also may be found on surface; northern Ridge & Valley.				
<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback	S1	G1	E	LE
	Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.				
<i>Quadrula intermedia</i>	Cumberland Monkeyface	S1	G1	E	LE
	Shallow riffle and shoal areas of headwater streams and bigger rivers, in coarse sand/gravel substrates; Tennessee River system.				
Nonvascular Plants: 5	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Archidium alternifolium</i>	Limestone Barrens	S1	G4G5	T	--
<i>Funaria americana</i>	Limestone Bluffs And Barrens	S1?	G3?	T	--
<i>Homaliadelphus sharpii</i>	Sharp's Homaliadelphus Calcareous Or Dolomite Bluffs	S1	G3?	E	--
<i>Radula voluta</i>	A Liverwort Shady Moist Boulders By Waterfalls Or Sreams	S2	G3	S	--
<i>Rhachithecium perpusillum</i>	Budding Tortula Bark Of Hardwoods	SH	G4G5	S	--
Other Types: 1	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Knox County . . . Continued

Known Species: 58

Vascular Plants: 24		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Arabis patens</i>	Spreading Rockcress Moist Rocky Woods	S1	G3	E	--
<i>Aureolaria patula</i>	Spreading False-foxglove Oak Woods And Edges	S3	G3	S	--
<i>Cardamine flagellifera</i>	Running Bittercress Mountain Stream Banks	S2	G3	T	--
<i>Carex alopecoidea</i>	Foxtail Sedge Wet Meadows And Swamps	SH	G5	E-P	--
<i>Carex gravida</i>	Heavy Sedge Rocky River Bluffs	S1	G5	S	--
<i>Cimicifuga rubifolia</i>	Appalachian Bugbane Rich Woods	S3	G3	T	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Delphinium exaltatum</i>	Tall Larkspur Glades And Barrens	S2	G3	E	--
<i>Helianthus occidentalis</i>	Naked-stem Sunflower Limestone Glades And Barrens; Roadsides	S2	G5	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lathyrus palustris</i>	Marsh Pea Wet Woods & Marshes	S1	G5	S	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Lonicera dioica</i>	Mountain Honeysuckle Mountain Woods And Thickets	S2	G5	S	--
<i>Monotropsis odorata</i>	Sweet Pinesap Piney Woods	S2	G3	T	--
<i>Onosmodium hispidissimum</i>	Shaggy False Gromwell Dry Woods	S1	G4	E	--
<i>Onosmodium molle ssp. occidentale</i>	Western False Gromwell Glades	S1S2	G4G5T4?	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Knox County . . . Continued

Known Species: 58

Vascular Plants: 24 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ranunculus flabellaris</i>	Yellow Water-crowfoot Ponds And Marshes	S2	G5	T	--
<i>Ruellia purshiana</i>	Pursh's Wild-petunia Dry Woods	S1S2	G3	S	--
<i>Silene regia</i>	Royal Catchfly Rocky Openings And Thickets	SH	G3	E-P	--
<i>Spiranthes odorata</i>	Sweetscent Ladies'-tresses Swamps, Pond Margins	S1	G5	E	--
<i>Tetragonotheca helianthoides</i>	Pineland Squarehead Dry Open Woods	SH	G5	E-P	--
Vertebrate Animals: 18		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Accipiter striatus</i>	Sharp-shinned Hawk Forests and open woodlands.	S3B,S4N	G5	D	No Status
<i>Acipenser fulvescens</i>	Lake Sturgeon Bottoms of large, clean rivers and lakes.	S1	G3G4	E	--
<i>Carpionodes velifer</i>	Highfin Carpsucker Large rivers, mostly in Tennessee River drainage.	S2S3	G4G5	D	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Cyprinella elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Falco peregrinus</i>	Peregrine Falcon Varied habitats including farmlands, marshes, river mouths, and cities; often nests on ledges.	S1B	G4	E	No Status
<i>Gallinula chloropus</i>	Common Moorhen Marshes, quiet rivers, lakes and ponds; nests among marsh plants over water; infrequently flies.	S1B	G5	D	No Status
<i>Gyrinophilus gulolineatus</i>	Berry Cave Salamander Aquatic cave obligate; Ridge & Valley; formerly included with <i>G. palleucus</i> .	S1	G1Q	T	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Ixobrychus exilis</i>	Least Bittern Marshes with scattered bushes or other woody growth; readily uses artificial wetland habitats.	S2B	G5	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Noturus flavipinnis</i>	Yellowfin Madtom Medium size to large creeks and small rivers that are unpolluted & relatively unsilted; upper Tennessee River watershed.	S1	G1	E	LT,XN



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Knox County . . . Continued

Known Species: 58

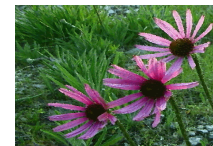
Vertebrate Animals: 18 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Percina tanasi</i>	Snail Darter Sand and gravel shoals of moderately flowing, vegetated, large creeks; upper Tennessee River watershed.	S2S3	G2G3	T	LT
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--

-- End of Knox --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Lake County

Known Species: 26

Invertebrate Animals: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Webbhelix multilineata</i>	Striped Whitelip Low wet habitats, marshes, floodplains, meadows; lake margins; under leaf litter or drift; Mississippi River floodplain.	S2	G5	--	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 9		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acmella oppositifolia</i>	Creeping Spot-flower Swamps And Wetlands	S3	G5	S	--
<i>Carex comosa</i>	Bristly Sedge Swamps	S2	G5	T	--
<i>Elodea nuttallii</i>	Nuttall's Waterweed Aquatic; Streams And Ponds	S2	G5	S	--
<i>Hottonia inflata</i>	Featherfoil Wet Sloughs And Ditches	S2	G4	S	--
<i>Iris fulva</i>	Copper Iris Bottomlands	S2	G5	T	--
<i>Neobeckia aquatica</i>	Lake Cress Gum Or Cypress Swamps	S2	G4?	S	--
<i>Phacelia ranunculacea</i>	Blue Scorpion-weed Alluvial Woods	S2S3	G4	S	--
<i>Ranunculus flabellaris</i>	Yellow Water-crowfoot Ponds And Marshes	S2	G5	T	--
<i>Sagittaria platyphylla</i>	Ovate-leaved Arrowhead Swamps, Emmergent	S2S3	G5	S	--
Vertebrate Animals: 15		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Anhinga anhinga</i>	Anhinga Swamps, lakes, and sluggish streams at low elevations.	S1B	G5	D	--
<i>Ardea alba</i>	Great Egret Marshes, swampy woods, streams, lakes, and ponds; also fields and meadows; colonial nester.	S2B,S3N	G5	D	--
<i>Atractosteus spatula</i>	Alligator Gar Sluggish pools of large rivers, oxbows, swamps, and backwaters; west Tennessee.	S1	G3G4	D	--
<i>Chondestes grammacus</i>	Lark Sparrow Open habitats with scattered bushes and trees, prairie, cultivated areas, fields with bushy borders; ground nester.	S1B	G5	T	--
<i>Fundulus chrysotus</i>	Golden Topminnow Swamps, backwaters, and pools of ditches and slow-moving creeks; Reelfoot Lake & imm. vicinity.	S1S2	G5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Lake County . . . Continued

Known Species: 26

Vertebrate Animals: 15 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Ictinia mississippiensis</i>	Mississippi Kite Undisturbed stands of lowland and floodplain forests and along major rivers.	S2S3	G5	D	--
<i>Ixobrychus exilis</i>	Least Bittern Marshes with scattered bushes or other woody growth; readily uses artificial wetland habitats.	S2B	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Macrhybopsis meeki</i>	Sicklefin Chub Main channel of the Mississippi River in swift currents over sand and gravel substrates.	S2	G3	D	--
<i>Nerodia cyclopion</i>	Mississippi Green Watersnake Marshes, swamps, bayous, shallow lakes and ponds, wet prairies, oxbows and floodplain sloughs; far west Tennessee.	S2	G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Sterna antillarum athalassos</i>	Interior Least Tern Mississippi River sand bars & islands, dikes. 	S2S3B	G4T2Q	E	LE
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Lake --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Lauderdale County **Known Species: 25**

Invertebrate Animals: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Obovaria jacksoniana</i>	Southern Hickorynut <small>Rivers with medium-sized gravel substrates and low-mod current; Wolf & Hatchie rivers; Mississippi River watershed; west Tennessee.</small>	S1	G2	--	--
<i>Villosa vibex</i>	Southern Rainbow <small>Mud or soft sand in small rivers & creeks in areas with moderate current; Conasauga, Hatchie, and Wolf (Miss. R.) river systems.</small>	S2	G5Q	--	--
<i>Webbhelix multilineata</i>	Striped Whitelip <small>Low wet habitats, marshes, floodplains, meadows; lake margins; under leaf litter or drift; Mississippi River floodplain.</small>	S2	G5	--	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 10		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acmella oppositifolia</i>	Creeping Spot-flower <small>Swamps And Wetlands</small>	S3	G5	S	--
<i>Carex gravida</i>	Heavy Sedge <small>Rocky River Bluffs</small>	S1	G5	S	--
<i>Carex hyalina</i>	Tissue Sedge <small>Forested Bottomland Swamps</small>	S1	G4	S	--
<i>Hottonia inflata</i>	Featherfoil <small>Wet Sloughs And Ditches</small>	S2	G4	S	--
<i>Juglans cinerea</i>	Butternut <small>Rich Woods And Hollows</small>	S3	G4	T	--
<i>Neobeckia aquatica</i>	Lake Cress <small>Gum Or Cypress Swamps</small>	S2	G4?	S	--
<i>Orobanche ludoviciana</i>	Louisiana Broomrape <small>Rich Floodplains</small>	SH	G5	S	--
<i>Sagittaria platyphylla</i>	Ovate-leaved Arrowhead <small>Swamps, Emmergent</small>	S2S3	G5	S	--
<i>Schisandra glabra</i>	Red Starvine <small>Rich Mesic Woods, Bluffs</small>	S2	G3	T	--
<i>Ulmus crassifolia</i>	Cedar Elm <small>Swamps</small>	S2	G5	S	--
Vertebrate Animals: 11		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Anhinga anhinga</i>	Anhinga <small>Swamps, lakes, and sluggish streams at low elevations.</small>	S1B	G5	D	--
<i>Ardea alba</i>	Great Egret <small>Marshes, swampy woods, streams, lakes, and ponds; also fields and meadows; colonial nester.</small>	S2B,S3N	G5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Lauderdale County . . . Continued

Known Species: 25

Vertebrate Animals: 11 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Atractosteus spatula</i>	Alligator Gar Sluggish pools of large rivers, oxbows, swamps, and backwaters; west Tennessee.	S1	G3G4	D	--
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Egretta caerulea</i>	Little Blue Heron Bodies of calm shallow water; colonial nester.	S2B,S3N	G5	D	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Hybognathus placitus</i>	Plains Minnow Clear to highly turbid rivers and creeks with sandy bottoms; Mississippi River & imm. environs.	S1	G4	D	--
<i>Ictinia mississippiensis</i>	Mississippi Kite Undisturbed stands of lowland and floodplain forests and along major rivers.	S2S3	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Sterna antillarum athalassos</i>	Interior Least Tern Mississippi River sand bars & islands, dikes. 	S2S3B	G4T2Q	E	LE

-- End of Lauderdale --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Lawrence County

Known Species: 26

Invertebrate Animals: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ophiogomphus acuminatus</i>	Acuminate Snaketail Clear, mostly shaded streams with at least pockets of sandy gravel; Western Highland Rim & Western Uplands.	S2	G3	--	--
<i>Orconectes alabamensis</i>	Alabama Crayfish Small-medium sized streams, in pools under rocks; Tennessee River tributaries from Shoal Creek downstream to the Buffalo River.	S2	G5	D	--
<i>Pleurobema oviforme</i>	Tennessee Clubshell Small, shallow streams & rivers with good current & coarse gravel/sand substrates; Tennessee & Cumberland river systems.	S2S3	G2G3	--	--

Vascular Plants: 13		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aristida ramosissima</i>	Branched Three-awn Grass Roadsides And Dry Openings	SH	G5	E-P	--
<i>Carex gravida</i>	Heavy Sedge Rocky River Bluffs	S1	G5	S	--
<i>Carex oxylepis var. pubescens</i>	Hairy Sharp-scaled Sedge Wooded Bluffs, Floodplains	S1	G5?T3	S	--
<i>Crataegus harbisonii</i>	Harbison's Hawthorn Dry Rocky Calcareous Woods	S1	G1	E	--
<i>Drosera brevifolia</i>	Dwarf Sundew Wet Barrens And Ecotones	S2	G5	T	--
<i>Erythronium rostratum</i>	Beaked Trout-lily Mesic Woods And Slopes	S2	G5	S	--
<i>Hasteola suaveolens</i>	Sweet-scented Indian-plantain Alluvial Woods, Moist Slopes	S2	G4	T	--
<i>Helianthus eggertii</i>	Eggert's Sunflower Barrens And Roadsides	S3	G3	S	DM
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Marshallia trinervia</i>	Broad-leaved Barbara's-buttons Rocky Ravines	S2S3	G3	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Parnassia grandifolia</i>	Large-leaved Grass-of-parnassus Calcareous Seeps	S3	G3	S	--
<i>Polygala mariana</i>	Maryland Milkwort Sandy Alluvial Woods And Disturbed Areas	S1	G5	S	--

Vertebrate Animals: 10		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aimophila aestivalis</i>	Bachman's Sparrow Dry open pine or oak woods; nests on the ground in dense cover.	S1B	G3	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Lawrence County . . . Continued

Known Species: 26

Vertebrate Animals: 10 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Chondestes grammacus</i>	Lark Sparrow Open habitats with scattered bushes and trees, prairie, cultivated areas, fields with bushy borders; ground nester.	S1B	G5	T	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Etheostoma boschungii</i>	Slackwater Darter Gravel-bottomed creeks and small rivers; spawns in seepage water in fields and open woods.	S1	G1	T	LT
<i>Etheostoma neopterum</i>	Lollypop Darter Small to medium sized, gravelly, cool, spring-fed streams; Shoal Creek watershed.	S1S2	G3	--	--
<i>Etheostoma pseudovulatum</i>	Egg-mimic Darter Small to medium sized, gravelly, cool, spring-fed streams; lower Duck River watershed.	S1	G1	E	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Sistrurus miliarius streckeri</i>	Western Pygmy Rattlesnake Usually near water in river floodplains, swamps, marshes, and wet prairies; occas drier wooded uplands; W half of Tenn., generally.	S2S3	G5T5	T	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--

-- End of Lawrence --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Lewis County **Known Species: 41**

Ecological Systems: 2	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Carex lurida</i> - <i>Carex leptalea</i> - <i>Parnassia grandifolia</i> - <i>Juncus</i> <i>brachycephalus</i> - (<i>Xyris</i> <i>tennesseensis</i>) Herbaceous Vegetation	Highland Rim Parnassia Seepage Fen	SNR	G1	--	--
<i>Quercus marilandica</i> / <i>Schizachyrium scoparium</i> - (<i>Helianthus mollis</i> , <i>Silphium</i> <i>asteriscus</i> , <i>Liatris aspera</i>) Woodland	Western Highland Rim Gravel Barrens	SNR	G2	--	--
Invertebrate Animals: 4	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Lithasia geniculata fuliginosa</i>	Geniculate River Snail <small>Medium-sized river form of <i>L. geniculata</i>; portions of lower Cumberland and lower Tennessee river systems; Duck & Buffalo rivers.</small>	S2	G3T3Q	--	--
<i>Ophiogomphus acuminatus</i>	Acuminate Snaketail <small>Clear, mostly shaded streams with at least pockets of sandy gravel; Western Highland Rim & Western Uplands.</small>	S2	G3	--	--
<i>Pseudanophthalmus occidentalis</i>	Western Cave Beetle <small>Terrestrial cave obligate; Western Highland Rim.</small>	S1	G1G2	--	--
<i>Toxolasma cylindrellus</i>	Pale Lilliput <small>Small tributary rivers & streams, in firm rubble, gravel, and sand substrates in shallow riffles and shoals; lower Tenn. River system.</small>	S1	G1	E	LE
Vascular Plants: 21	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Carex comosa</i>	Bristly Sedge <small>Swamps</small>	S2	G5	T	--
<i>Dichanthelium acuminatum ssp. leucothrix</i>	Roughish Witchgrass <small>Moist Pine Barrens</small>	S1	G4?Q	S	--
<i>Drosera brevifolia</i>	Dwarf Sundew <small>Wet Barrens And Ecotones</small>	S2	G5	T	--
<i>Erythronium rostratum</i>	Beaked Trout-lily <small>Mesic Woods And Slopes</small>	S2	G5	S	--
<i>Hasteola suaveolens</i>	Sweet-scented Indian-plantain <small>Alluvial Woods, Moist Slopes</small>	S2	G4	T	--
<i>Helianthus eggertii</i>	Eggert's Sunflower <small>Barrens And Roadsides</small>	S3	G3	S	DM
<i>Hydrastis canadensis</i>	Goldenseal <small>Rich Woods</small>	S3	G4	S-CE	--
<i>Juglans cinerea</i>	Butternut <small>Rich Woods And Hollows</small>	S3	G4	T	--
<i>Juncus brachycephalus</i>	Small-headed Rush <small>Seeps And Wet Bluffs</small>	S2	G5	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Lewis County . . . Continued

Known Species: 41

Vascular Plants: 21 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Liparis loeselii</i>	Fen Orchis Calcareous Seeps	S1	G5	T	--
<i>Lonicera flava</i>	Yellow Honeysuckle Rocky Woods And Thickets	S1	G5?	T	--
<i>Marshallia trinervia</i>	Broad-leaved Barbara's-buttons Rocky Ravines	S2S3	G3	T	--
<i>Minuartia godfreyi</i>	Godfrey's Stitchwort Wet Meadows And Marshes	S1	G1	E	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Parnassia grandifolia</i>	Large-leaved Grass-of-parnassus Calcareous Seeps	S3	G3	S	--
<i>Phlox pilosa ssp. ozarkana</i>	Ozark Downy Phlox Rocky, Dry Open Woods	S1S2	G5T4?	S	--
<i>Spiranthes lucida</i>	Shining Ladies'-tresses Alluvial Woods And Moist Slopes	S1S2	G5	T	--
<i>Stellaria fontinalis</i>	Water Stitchwort Seeps And Limestone Creek Beds	S3	G3	T	--
<i>Xyris tennesseensis</i>	Tennessee Yellow-eyed Grass Calcareous Seeps	S1	G2	E	LE
<i>Zanthoxylum americanum</i>	Northern Prickly-ash Cedar Thickets	S2	G5	S	--

Vertebrate Animals: 14		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ammocrypta vivax</i>	Scaly Sand Darter Small to medium rivers with sandy substrate; Hatchie & Buffalo rivers.	S2	G5	D	--
<i>Ammodramus henslowii</i>	Henslow's Sparrow Damp open fields and meadows with grass interspersed with weeds or shrubs.	S1B	G4	D	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Erimonax monachus</i>	Spotfin Chub Clear upland rivers with swift currents & boulder substrates; portions of the Tennessee River watershed.	S2	G2	T	LT,XN, PXN
<i>Etheostoma aquali</i>	Coppercheek Darter Primarily in deep riffles, runs, and flowing pools; Duck and Buffalo River watersheds.	S2S3	G2G3	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Lewis County . . . Continued

Known Species: 41

Vertebrate Animals: 14 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Etheostoma cinereum</i>	Ashy Darter Small to medium upland rivers with bedrock or gravel substrate and boulders.	S2S3	G2G3	T	--
<i>Etheostoma striatulum</i>	Striated Darter Bedrock pools of headwaters and creeks with large slabrock cover; upper Duck River watershed.	S1	G1	T	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Noturus fasciatus</i>	Saddled Madtom Rocky riffles, runs, and flowing pools of clear creeks & small rivers; Duck River system and nearby tributaries of the Tennessee River.	S2	G2	T	--
<i>Percina burtoni</i>	Blotchside Logperch Large creeks and small-medium rivers with low turbidity and gravel-cobble substrates; Tennessee & Cumberland river watersheds.	S2	G2G3	D	--
<i>Percina macrocephala</i>	Longhead Darter Clear, larger upland creeks and small-med rivers, usually in rocky flowing pools upst/dnst rubble riffles; Tenn & Cumb river watersheds.	S2	G3	T	--
<i>Sistrurus miliarius streckeri</i>	Western Pygmy Rattlesnake Usually near water in river floodplains, swamps, marshes, and wet prairies; occas drier wooded uplands; W half of Tenn., generally.	S2S3	G5T5	T	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--

-- End of Lewis --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Lincoln County

Known Species: 34

Invertebrate Animals: 14		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Epioblasma brevidens</i>	Cumberlandian Combshell Large creeks to large rivers, in coarse sand or mixtures of gravel, cobble, or rocks; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Epioblasma triquetra</i>	Snuffbox Riffles of medium-large rivers with stony or sandy bottoms, in swift currents, usually deeply buried; Tennessee & Cumb. river systems.	S3	G3	--	--
<i>Fusconaia cor</i>	Shiny Pigtoe Shoals and riffles of small-medium sized rivers with mod-fast current over sand-cobble substrates; upper Tennessee River watershed.	S1	G1	E	LE
<i>Fusconaia cuneolus</i>	Finerayed Pigtoe Riffles of fords and shoals of mod gradient streams in firm cobble and gravel substrates; middle & upper Tennessee River watershed.	S1	G1	E	LE
<i>Hemistena lata</i>	Cracking Pearlymussel Medium-sized rivers of mod current, deeply buried in mud, sand, gravel, and cobble substrates; Tennessee & Cumb. river systems.	S1	G1	E	LE
<i>Lemiox rimosus</i>	Birdwing Pearlymussel Small-medium size rivers in riffle areas with sand and gravel substrates in mod-fast currents; Tennessee River system.	S1	G1	E	LE
<i>Lexingtonia dolabelloides</i>	Slabside Pearlymussel Lg creeks to mod sized rivers, in riffles/shoals of sand, fine gravel, and cobble substrates with mod current; Tennessee R watershed.	S2	G2	--	C
<i>Lithasia lima</i>	Warty Rocksnail Rocky substrates in riffle systems; Elk River & larger tributaries (Tennessee River watershed).	S2	G2Q	--	--
<i>Obovaria subrotunda</i>	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.	S2S3	G4	--	--
<i>Orconectes cooperi</i>	Flint River Crayfish Among leaf litter in medium-sized streams; headwaters of Flint River watershed; Lincoln County.	S1	G1	--	--
<i>Pleurobema oviforme</i>	Tennessee Clubshell Small, shallow streams & rivers with good current & coarse gravel/sand substrates; Tennessee & Cumberland river systems.	S2S3	G2G3	--	--
<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot Large rivers in sand and gravel; Tennessee & Cumberland systems; big river form of Q. cylindrica.	S3	G3G4T3	--	--
<i>Quadrula intermedia</i>	Cumberland Monkeyface Shallow riffle and shoal areas of headwater streams and bigger rivers, in coarse sand/gravel substrates; Tennessee River system.	S1	G1	E	LE
<i>Villosa fabalis</i>	Rayed Bean Riffles of medium-small rivers & creeks, in gravel & sand substrates associated with <i>Justicia americana</i> ; Tennessee River watershed.	S1	G2	--	C
Vascular Plants: 12		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Allium burdickii</i>	Narrow-leaf Ramps Rich Woods	S1S2	G4G5	T-CE	--
<i>Cotinus obovatus</i>	American Smoketree Dry, Circumneutral Soil	S2	G4	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Lincoln County . . . Continued

Known Species: 34

Vascular Plants: 12 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Gratiola floridana</i>	Florida Hedge-hyssop Wooded Swamps	S1	G4	E	--
<i>Lespedeza angustifolia</i>	Narrowleaf Bushclover Barrens	S2	G5	T	--
<i>Melanthium virginicum</i>	Virginia Bunchflower Wet Woods And Fields	S1	G5	E	--
<i>Neviusia alabamensis</i>	Alabama Snow-wreath Upland Woods	S2	G2	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Solidago auriculata</i>	Eared Goldenrod Dry Woods	S1	G4	T	--
<i>Stellaria fontinalis</i>	Water Stitchwort Seeps And Limestone Creek Beds	S3	G3	T	--
<i>Talinum calcaricum</i>	Limestone Fame-flower Glades	S3	G3	S	--
<i>Trillium pusillum</i>	Least Trillium Alluvial/Moist Ravines And Dry Ridges	S2	G3	E	--
<i>Viburnum bracteatum</i>	Limerock Arrowwood Rocky Rich Woods	S1	G1G2	E	--

Vertebrate Animals: 8		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carpionodes velifer</i>	Highfin Carpsucker Large rivers, mostly in Tennessee River drainage.	S2S3	G4G5	D	--
<i>Etheostoma boschungii</i>	Slackwater Darter Gravel-bottomed creeks and small rivers; spawns in seepage water in fields and open woods.	S1	G1	T	LT
<i>Etheostoma cinereum</i>	Ashy Darter Small to medium upland rivers with bedrock or gravel substrate and boulders.	S2S3	G2G3	T	--
<i>Etheostoma wapiti</i>	Boulder Darter Fast rocky riffles of small to medium rivers & large creeks; Elk River watershed.	S1	G1	E	LE, XN
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--

-- End of Lincoln --



Tennessee Natural Heritage Program Rare Species Observations For Tennessee Counties



Loudon County

Known Species: 25

Invertebrate Animals: 4		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Athearnia anthonyi</i>	Anthony Riversnail Larger rivers and downstream stretches of lg creeks, on cobble/boulder substrates adj. riffles; portions of upper TN River basin.	S1	G1	E	LE,XN
<i>Io fluvialis</i>	Spiny Riversnail Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	S2	G2	--	--
<i>Lampsilis abrupta</i>	Pink Mucket Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	S2	G2	E	LE
<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.	S1	G1	E	LE
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 10		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aureolaria patula</i>	Spreading False-foxtail Oak Woods And Edges	S3	G3	S	--
<i>Berberis canadensis</i>	American Barberry Rocky Woods And River Bars	S2	G3	S	--
<i>Carex comosa</i>	Bristly Sedge Swamps	S2	G5	T	--
<i>Carex gravida</i>	Heavy Sedge Rocky River Bluffs	S1	G5	S	--
<i>Cimicifuga rubifolia</i>	Appalachian Bugbane Rich Woods	S3	G3	T	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Lonicera dioica</i>	Mountain Honeysuckle Mountain Woods And Thickets	S2	G5	S	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Potamogeton amplifolius</i>	Large-leaf Pondweed Lakes And Streams	S1	G5	T	--
<i>Potamogeton epihydrus</i>	Nuttall's Pondweed Lakes And Streams	S1S2	G5	S	--
Vertebrate Animals: 10		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Loudon County . . . Continued

Known Species: 25

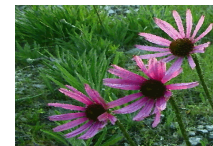
Vertebrate Animals: 10 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--
<i>Percina burtoni</i>	Blotchside Logperch Large creeks and small-medium rivers with low turbidity and gravel-cobble substrates; Tennessee & Cumberland river watersheds.	S2	G2G3	D	--
<i>Percina tanasi</i>	Snail Darter Sand and gravel shoals of moderately flowing, vegetated, large creeks; upper Tennessee River watershed.	S2S3	G2G3	T	LT
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Sorex dispar</i>	Long-tailed Shrew Mountainous, forested areas with loose talus; east Tennessee.	S2	G4	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--

-- End of Loudon --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Macon County **Known Species: 15**

Invertebrate Animals: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Barbicambarus cornutus</i>	Bottle Brush Crayfish Under slabrock in medium-large tributaries of Barren River watershed; Sumner, Macon, Clay counties.	S2	G4	--	--
Vascular Plants: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
Vertebrate Animals: 11		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Accipiter striatus</i>	Sharp-shinned Hawk Forests and open woodlands.	S3B,S4N	G5	D	No Status
<i>Chondestes grammacus</i>	Lark Sparrow Open habitats with scattered bushes and trees, prairie, cultivated areas, fields with bushy borders; ground nester.	S1B	G5	T	--
<i>Etheostoma barbouri</i>	Teardrop Darter Sandy pools in small to medium streams with slabrock cover; Barren River watershed.	S2	G4G5	D	--
<i>Etheostoma barrenense</i>	Splendid Darter Locally abundant in rocky pools and adjacent riffles of small to moderate streams; Barren River watershed.	S3	G4	D	--
<i>Etheostoma bellum</i>	Orangefin Darter Locally abundant in small to medium-sized clear streams over gravel substrate; Barren River watershed.	S3	G4G5	D	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Moxostoma atripinne</i>	Blackfin Sucker Larger creeks with quiet or gently flowing pools with scattered slabrocks & undercut banks; Barren River watershed.	S1	G2	D	--
<i>Notropis rubellus</i>	Rosyface Shiner Clear, swift, large creeks with bottoms of clean gravel or rubble; tribs to Cumberland River upst Cumberland Falls.	S2	G5	D	--
<i>Percina macrocephala</i>	Longhead Darter Clear, larger upland creeks and small-med rivers, usually in rocky flowing pools upst/dnst rubble riffles; Tenn & Cumb river watersheds.	S2	G3	T	--
<i>Percina stictogaster</i>	Frecklebelly Darter Small rivers & larger creeks; pool areas with mod-sluggish current & aquatic vegetation; Barren River watershed.	S1	G4G5	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--

-- End of Macon --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Madison County

Known Species: 11

Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 6		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carex lacustris</i>	Lake-bank Sedge Alluvial Woods	S1	G5	T	--
<i>Helianthus verticillatus</i>	Whorled Sunflower Edge Of Creeks And Fields	S1	G1Q	E	C
<i>Iris brevicaulis</i>	Lamance Iris Bottomlands	S1	G4	E	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Schisandra glabra</i>	Red Starvine Rich Mesic Woods, Bluffs	S2	G3	T	--
<i>Utricularia inflata</i>	Inflated Bladderwort Ponds, Lake Margins	S1	G5	S	--
Vertebrate Animals: 4		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Etheostoma pyrrhogaster</i>	Firebelly Darter Sand- and gravel-bottomed pools of headwaters, creeks, and small rivers; upper Coastal Plain; west Tennessee.	S2	G2G3	D	--
<i>Noturus gladiator</i>	Piebald Madtom Large creeks & rivers in moderate-swift currents with clean sand or gravel substrates; Mississippi River tributaries.	S3	G3	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--

-- End of Madison --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Marion County

Known Species: 92

Invertebrate Animals: 21		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Anguispira alabama</i>	Alabama Tigersnail A calciphile; limestone outcrops and cliff faces of karstic woods; southern Cumberlands.	S2	G2	--	--
<i>Athearnia anthonyi</i>	Anthony Riversnail Larger rivers and downstream stretches of lg creeks, on cobble/boulder substrates adj. riffles; portions of upper TN River basin.	S1	G1	E	LE,XN
<i>Batriasymmodes spelaeus</i>	A Cave Obligate Beetle Terrestrial cave obligate; northern Cumberlands and northern Ridge & Valley.	S2?	G5	--	--
<i>Caecidotea nickajackensis</i>	Nickajack Cave Isopod Aquatic cave obligate; Nickajack Cave (historically); probably extirpated by impoundment.	S1	G2G3	--	--
<i>Cambarus hamulatus</i>	Prickly Cave Crayfish Aquatic cave obligate; Sequatchie Valley & southern Cumberlands.	S3	G3G4	--	--
<i>Cumberlandia monodonta</i>	Spectaclecase Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.	S2S3	G3	--	C
<i>Dromus dromas</i>	Dromedary Pearlymussel Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.	S1	G1	E	LE
<i>Glyphopsyche sequatchie</i>	Sequatchie Caddisfly Spring runs emerging from caves; lower Sequatchie River & Battle Creek watersheds; Marion County.	S1	G1	--	C
<i>Hesperochernes mirabilis</i>	Southeastern Cave Pseudoscorpion Terrestrial cave obligate; woodrat debris in caves; middle Tennessee.	S3	G5	--	--
<i>Io fluvialis</i>	Spiny Riversnail Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	S2	G2	--	--
<i>Lampsilis abrupta</i>	Pink Mucket Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	S2	G2	E	LE
<i>Litocampa valentinei</i>	A Cave Obligate Bristletail Terrestrial cave obligate, southern Cumberlands.	S2	G5	--	--
<i>Marstonia ogmorhapse</i>	Royal Springsnail Known from shallow littoral zone of two cave spring runs, on mixed substrate of mud, sand, & detritus; lower Seq. R.; Marion County.	S1	G1	E	LE
<i>Nesticus barri</i>	A Cave Obligate Spider Terrestrial cave obligate; southern Cumberlands; reported from Franklin & Marion counties.	S3	G3	--	--
<i>Pseudanopthalmus nickajackensis</i>	Nickajack Cave Beetle Terrestrial cave obligate; Nickajack Cave; Marion County.	S1	G2G3	--	--
<i>Pseudanopthalmus ventus</i>	Blowing Cave Beetle Terrestrial cave obligate; lower Sequatchie Valley.	S1	G1	--	--
<i>Pseudosinella christianseni</i>	A Cave Obligate Springtail Terrestrial cave obligate; portions of Cumberland Plateau & Sequatchie Valley.	S2	G5	--	--
<i>Pseudotremia rhadamanthus</i>	A Cave Obligate Millipede Terrestrial cave obligate; southern Cumberland Plateau; Marion County.	S1	G1G2	--	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Marion County . . . Continued

Known Species: 92

Invertebrate Animals: 21 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Scoterpes ventus</i>	A Cave Obligate Millipede Terrestrial cave obligate; wet caves of the Cumberland Plateau & Sequatchie Valley.	S1	G1	--	--
<i>Somatogyrus aureus</i>	Golden Pebblesnail Reported from Tennessee River system; habitat and distribution poorly understood; one contemporary record in Marion Co.	S1	GH	--	--
<i>Toxolasma cylindrellus</i>	Pale Lilliput Small tributary rivers & streams, in firm rubble, gravel, and sand substrates in shallow riffles and shoals; lower Tenn. River system.	S1	G1	E	LE
Nonvascular Plants: 2		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Lejeunea blomquistii</i>	Blomquist Leafy Liverwort Mid Elev. Gorges On Rock Or Bark	S1S2	G1G2	S	--
<i>Pellia appalachiana</i>	Wet Soil, Barrens	S2	G4	S	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 45		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acer leucoderme</i>	Chalk Maple Circumneutral Rocky Woods	S3	G5	S	--
<i>Amelanchier sanguinea</i>	Roundleaf Shadbush Rocky Slopes And River Banks	S2	G5	T	--
<i>Apios priceana</i>	Price's Potato-bean Openings In Rich Woods	S2	G2	E	LT
<i>Arabis patens</i>	Spreading Rockcress Moist Rocky Woods	S1	G3	E	--
<i>Asplenium scolopendrium var. americanum</i>	Hart's-tongue Fern Sinks	S1	G4T3	E	LT
<i>Aureolaria patula</i>	Spreading False-foxglove Oak Woods And Edges	S3	G3	S	--
<i>Cardamine flagellifera</i>	Running Bittercress Mountain Stream Banks	S2	G3	T	--
<i>Cotinus obovatus</i>	American Smoketree Dry, Circumneutral Soil	S2	G4	S	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Danthonia epilis</i>	Bog Oat-grass Acidic Seeps	S1S2	G3G4	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Marion County . . . Continued

Known Species: 92

Vascular Plants: 45 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Diamorpha smallii</i>	Small's Stonecrop Sandstone Outcrops	S1S2	G4	E	--
<i>Diervilla lonicera</i>	Northern Bush-honeysuckle Rocky Woodlands And Bluffs	S2	G5	T	--
<i>Diervilla sessilifolia</i> var. <i>rivularis</i>	Mountain Bush-honeysuckle Dry Cliffs And Bluffs	S2	G3	T	--
<i>Eriophorum virginicum</i>	Tawny Cotton-grass Bogs	S1S2	G5	E	--
<i>Fothergilla major</i>	Mountain Witch-alder Rocky Slopes And River Banks	S2	G3	T	--
<i>Gelsemium sempervirens</i>	Yellow Jessamine Dry Openings	S1S2	G5	S	--
<i>Glyceria acutiflora</i>	Sharp-scaled Mannagrass Swamps,Ponds	S2	G5	S	--
<i>Helianthus eggertii</i>	Eggert's Sunflower Barrens And Roadsides	S3	G3	S	DM
<i>Hottonia inflata</i>	Featherfoil Wet Sloughs And Ditches	S2	G4	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Hypericum adpressum</i>	Creeping St. John's-wort Edges Of Ponds And Lakes	S1	G3	E	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Liatris cylindracea</i>	Slender Blazing-star Barrens	S2	G5	T	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Lonicera flava</i>	Yellow Honeysuckle Rocky Woods And Thickets	S1	G5?	T	--
<i>Lysimachia fraseri</i>	Fraser's Loosestrife Dry Open Woods	S2	G3	E	--
<i>Nestronia umbellula</i>	Nestronia Upland Woods	S1	G4	E	--
<i>Onosmodium hispidissimum</i>	Shaggy False Gromwell Dry Woods	S1	G4	E	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Marion County . . . Continued

Known Species: 92

Vascular Plants: 45 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Paronychia argyrocoma</i>	Silverling Dry Sandstone, Granite Outcrops	S1S2	G4	T	--
<i>Platanthera integrilabia</i>	White Fringeless Orchid Acidic Seeps And Stream Heads	S2S3	G2G3	E	C
<i>Rhynchospora perplexa</i>	Obscure Beak-rush Marshes, Wet Barrens	S2	G5	T	--
<i>Sabatia capitata</i>	Cumberland Rose Gentian Dry Open Woods, Powerlines	S2	G2	E	--
<i>Scutellaria montana</i>	Large-flowered Skullcap Escarpments, Dry Woods	S2	G3	T	LT
<i>Sedum nevii</i>	Nevius' Stonecrop Rocky Bluffs And Cliffs	S1	G3	E	--
<i>Silene ovata</i>	Ovate Catchfly Open Oak Woods	S2	G3	E	--
<i>Silene regia</i>	Royal Catchfly Rocky Openings And Thickets	SH	G3	E-P	--
<i>Silphium brachiatum</i>	Cumberland Rosinweed Rich Rocky Woods	S2	G2G3	E	--
<i>Solidago tarda</i>	Late Goldenrod Sandy Pine Woods	SH	G4?Q	S	--
<i>Talinum mengesii</i>	Menge's Fame-flower Dry Rock Ledges	S2	G3	T	--
<i>Thermopsis mollis</i>	Allegheny Mountain golden banner Upland Woods	S2S3	G3G4	S	--
<i>Trillium lancifolium</i>	Narrow-leaved Trillium Alluvial Woods And Moist Ravines	S1	G3	E	--
<i>Viola tripartita var. tripartita</i>	Three-parted Violet Wooded Slopes	S2S3	G5T3	S	--
<i>Woodwardia virginica</i>	Virginia Chainfern Acidic Wetlands	S2	G5	S	--

Vertebrate Animals: 23		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aneides aeneus</i>	Green Salamander Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	S3S4	G3G4	--	--
<i>Carpionodes velifer</i>	Highfin Carpsucker Large rivers, mostly in Tennessee River drainage.	S2S3	G4G5	D	--
<i>Corvus corax</i>	Common Raven Hilly or mountainous areas, esp near cliffs; nests usually on cliff ledges or in coniferous trees.	S2	G5	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Marion County . . . Continued

Known Species: 92

Vertebrate Animals: 23 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Etheostoma denoncourti</i>	Golden Darter Medium to large rivers in shallow riffle areas of pea gravel; Tennessee River system.	S2	G2	--	--
<i>Falco peregrinus</i>	Peregrine Falcon Varied habitats including farmlands, marshes, river mouths, and cities; often nests on ledges.	S1B	G4	E	No Status
<i>Gyrinophilus palleucus</i>	Tennessee Cave Salamander Aquatic cave obligate; cave streams & rimstone pools; Central Basin, Eastern Highland Rim, & Cumberland Plateau.	S2	G2G3	T	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Hemidactylium scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Hyla gratiosa</i>	Barking Treefrog Low wet woods and swamps esp. with ephemeral ponds.	S3	G5	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis leibii</i>	Eastern Small-footed Myotis Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.	S2S3	G3	D	--
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Percina tanasi</i>	Snail Darter Sand and gravel shoals of moderately flowing, vegetated, large creeks; upper Tennessee River watershed.	S2S3	G2G3	T	LT
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Marion County . . . Continued

Known Species: 92

Vertebrate Animals: 23 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--

-- End of Marion --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Marshall County

Known Species: 46

Invertebrate Animals: 19		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Epioblasma brevidens</i>	Cumberlandian Combshell Large creeks to large rivers, in coarse sand or mixtures of gravel, cobble, or rocks; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Epioblasma capsaeformis</i>	Oyster Mussel Shallow riffles in mod-swift current of small-medium rivers with coarse sand and gravel; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Epioblasma florentina walkeri</i>	Tan Riffleshell Found in river headwaters, in riffles and shoals in sand and gravel substrates; Tennessee & Cumberland river systems.	S1	G1T1	E	LE
<i>Epioblasma triquetra</i>	Snuffbox Riffles of medium-large rivers with stony or sandy bottoms, in swift currents, usually deeply buried; Tennessee & Cumb. river systems.	S3	G3	--	--
<i>Gomphus sandrius</i>	Tennessee Clubtail Slow streams with bare bedrock shores; Central Basin; upper Duck River and middle Cumberland River watersheds.	S1	G1	--	--
<i>Lemiox rimosus</i>	Birdwing Pearlymussel Small-medium size rivers in riffle areas with sand and gravel substrates in mod-fast currents; Tennessee River system.	S1	G1	E	LE
<i>Lexingtonia dolabelloides</i>	Slabside Pearlymussel Lg creeks to mod sized rivers, in riffles/shoals of sand, fine gravel, and cobble substrates with mod current; Tennessee R watershed.	S2	G2	--	C
<i>Lithasia duttoniana</i>	Helmet Rocksnail Rocky substrates in riffle systems; bedrock in flowing water below main section of riffles; Duck River (TN River system).	S2	G2Q	--	--
<i>Lithasia geniculata fuliginosa</i>	Geniculate River Snail Medium-sized river form of L. geniculata; portions of lower Cumberland and lower Tennessee river systems; Duck & Buffalo rivers.	S2	G3T3Q	--	--
<i>Lithasia salebrosa</i>	Muddy Rocksnail Formerly occurred in portions of lower Cumberland and lower Tennessee systems; may be limited to dam tailwaters currently.	S2	G3G4Q	--	--
<i>Obovaria subrotunda</i>	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.	S2S3	G4	--	--
<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.	S1	G1	E	LE
<i>Pleurobema oviforme</i>	Tennessee Clubshell Small, shallow streams & rivers with good current & coarse gravel/sand substrates; Tennessee & Cumberland river systems.	S2S3	G2G3	--	--
<i>Pseudanophthalmus catherinae</i>	Catherine's Cave Beetle Terrestrial cave obligate; Central Basin.	S1	G1	--	--
<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot Large rivers in sand and gravel; Tennessee & Cumberland systems; big river form of Q. cylindrica.	S3	G3G4T3	--	--
<i>Quadrula intermedia</i>	Cumberland Monkeyface Shallow riffle and shoal areas of headwater streams and bigger rivers, in coarse sand/gravel substrates; Tennessee River system.	S1	G1	E	LE



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Marshall County . . . Continued

Known Species: 46

Invertebrate Animals: 19 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Toxolasma cylindrellus</i>	Pale Lilliput Small tributary rivers & streams, in firm rubble, gravel, and sand substrates in shallow riffles and shoals; lower Tenn. River system.	S1	G1	E	LE
<i>Toxolasma lividus</i>	Purple Lilliput Small-medium sized rivers & lg creeks, in mud, sand, & gravel substrates; Tenn. & Cumberland river systems in headwater areas.	S1S2	G2	--	--
<i>Villosa fabalis</i>	Rayed Bean Riffles of medium-small rivers & creeks, in gravel & sand substrates associated with <i>Justicia americana</i> ; Tennessee River watershed.	S1	G2	--	C
Vascular Plants: 16		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Amsonia tabernaemontana</i> var. <i>gattingeri</i>	Limestone Blue Star Glades, Barrens, And Rocky River Bars	S3	G5T3Q	S	--
<i>Anemone caroliniana</i>	Carolina Anemone Glades And Cedar Woodlands	S1S2	G5	E	--
<i>Arnoglossum plantagineum</i>	Fen Indian-plantain Moist Prairies And Marshes	S2	G4G5	T	--
<i>Astragalus tennesseensis</i>	Tennessee Milk-vetch Glades	S3	G3	S	--
<i>Carex davisii</i>	Davis' Sedge Bottomlands, Riparian Soils	S1	G4	S	--
<i>Carex gravida</i>	Heavy Sedge Rocky River Bluffs	S1	G5	S	--
<i>Dalea foliosa</i>	Leafy Prairie-clover Rocky Washes In Glades	S2S3	G2G3	E	LE
<i>Echinacea tennesseensis</i>	Tennessee Coneflower Ordovician Limestone Glades	S2	G2	E	LE
<i>Eleocharis wolfii</i>	Wolf Spike-rush Wet Woods On Floodplains	S1	G3G4	E	--
<i>Leavenworthia exigua</i> var. <i>exigua</i>	Glade-cress Glades	S3	G4T3	S	--
<i>Lesquerella densipila</i>	Duck River Bladderpod Cultivated Fields	S3	G3	T	--
<i>Schoenolirion croceum</i>	Yellow Sunnybell Wet Areas In Glades	S3	G4	T	--
<i>Stellaria fontinalis</i>	Water Stitchwort Seeps And Limestone Creek Beds	S3	G3	T	--
<i>Talinum calcaricum</i>	Limestone Fame-flower Glades	S3	G3	S	--
<i>Trifolium calcaricum</i>	Running Glade Clover Glades, Cedar Woods, And Thickets	S1	G1	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Marshall County . . . Continued

Known Species: 46

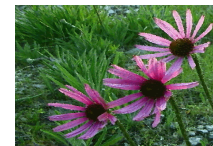
Vascular Plants: 16 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Zanthoxylum americanum</i>	Northern Prickly-ash Cedar Thickets	S2	G5	S	--
Vertebrate Animals: 11		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Etheostoma aquali</i>	Coppercheek Darter Primarily in deep riffles, runs, and flowing pools; Duck and Buffalo River watersheds.	S2S3	G2G3	T	--
<i>Etheostoma cinereum</i>	Ashy Darter Small to medium upland rivers with bedrock or gravel substrate and boulders.	S2S3	G2G3	T	--
<i>Etheostoma denoncourti</i>	Golden Darter Medium to large rivers in shallow riffle areas of pea gravel; Tennessee River system.	S2	G2	--	--
<i>Etheostoma luteovinctum</i>	Redband Darter Limestone streams; Nashville Basin & portions of Highland Rim.	S4	G4	D	--
<i>Etheostoma striatulum</i>	Striated Darter Bedrock pools of headwaters and creeks with large slabrock cover; upper Duck River watershed.	S1	G1	T	--
<i>Gyrinophilus palleucus</i>	Tennessee Cave Salamander Aquatic cave obligate; cave streams & rimstone pools; Central Basin, Eastern Highland Rim, & Cumberland Plateau.	S2	G2G3	T	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Noturus fasciatus</i>	Saddled Madtom Rocky riffles, runs, and flowing pools of clear creeks & small rivers; Duck River system and nearby tributaries of the Tennessee River.	S2	G2	T	--
<i>Percina phoxocephala</i>	Slenderhead Darter Small-large rivers with moderate gradient in shoal areas with moderate-swift currents; portions of Tenn & Cumb river watersheds.	S3	G5	D	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--

-- End of Marshall --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Maury County	Known Species: 65
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Ecological Systems: 1	St. Rank	Global Rank	St. Prot.	Fed. Prot.
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<i>Nashville Basin Limestone Glade</i>	Nashville Basin Limestone Glade, Barrens, and Woodland	SNR	GNR	--	--
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Ecological Systems: 1	St. Rank	Global Rank	St. Prot.	Fed. Prot.
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<i>Andropogon gerardii</i> - <i>Chasmanthium latifolium</i> - <i>Amsonia tabernaemontana</i> var. <i>salicifolia</i> Herbaceous Vegetation	Calcareous Riverine Scour Prairie	S2S3	G2G3	--	--
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Invertebrate Animals: 21	St. Rank	Global Rank	St. Prot.	Fed. Prot.
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<i>Batrisodes ferulifer</i>	A Cave Obligate Beetle <small>Terrestrial cave obligate; middle Tennessee; Central Basin; reported from Maury County.</small>	S1	G1	--	--
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<i>Epioblasma brevidens</i>	Cumberlandian Combshell <small>Large creeks to large rivers, in coarse sand or mixtures of gravel, cobble, or rocks; Tennessee & Cumberland river systems.</small>	S1	G1	E	LE
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<i>Epioblasma capsaeformis</i>	Oyster Mussel <small>Shallow riffles in mod-swift current of small-medium rivers with coarse sand and gravel; Tennessee & Cumberland river systems.</small>	S1	G1	E	LE
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<i>Epioblasma florentina walkeri</i>	Tan Riffleshell <small>Found in river headwaters, in riffles and shoals in sand and gravel substrates; Tennessee & Cumberland river systems.</small>	S1	G1T1	E	LE
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<i>Epioblasma triquetra</i>	Snuffbox <small>Riffles of medium-large rivers with stony or sandy bottoms, in swift currents, usually deeply buried; Tennessee & Cumb. river systems.</small>	S3	G3	--	--
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<i>Gomphus sandrius</i>	Tennessee Clubtail <small>Slow streams with bare bedrock shores; Central Basin; upper Duck River and middle Cumberland River watersheds.</small>	S1	G1	--	--
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<i>Hemistena lata</i>	Cracking Pearlymussel <small>Medium-sized rivers of mod current, deeply buried in mud, sand, gravel, and cobble substrates; Tennessee & Cumb. river systems.</small>	S1	G1	E	LE
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<i>Lemiox rimosus</i>	Birdwing Pearlymussel <small>Small-medium size rivers in riffle areas with sand and gravel substrates in mod-fast currents; Tennessee River system.</small>	S1	G1	E	LE
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<i>Lexingtonia dolabelloides</i>	Slabside Pearlymussel <small>Lg creeks to mod sized rivers, in riffles/shoals of sand, fine gravel, and cobble substrates with mod current; Tennessee R watershed.</small>	S2	G2	--	C
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<i>Lithasia duttoniana</i>	Helmet Rocksnail <small>Rocky substrates in riffle systems; bedrock in flowing water below main section of riffles; Duck River (TN River system).</small>	S2	G2Q	--	--
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<i>Lithasia geniculata fuliginosa</i>	Genuculate River Snail <small>Medium-sized river form of <i>L. geniculata</i>; portions of lower Cumberland and lower Tennessee river systems; Duck & Buffalo rivers.</small>	S2	G3T3Q	--	--
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<i>Lithasia salebrosa</i>	Muddy Rocksnail <small>Formerly occurred in portions of lower Cumberland and lower Tennessee systems; may be limited to dam tailwaters currently.</small>	S2	G3G4Q	--	--
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Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Maury County . . . Continued

Known Species: 65

Invertebrate Animals: 21 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Obovaria subrotunda</i>	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.	S2S3	G4	--	--
<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.	S1	G1	E	LE
<i>Pleurobema oviforme</i>	Tennessee Clubshell Small, shallow streams & rivers with good current & coarse gravel/sand substrates; Tennessee & Cumberland river systems.	S2S3	G2G3	--	--
<i>Pleurobema rubrum</i>	Pyramid Pigtoe Rivers with strong current and firm sand/gravel substrates; TN & Cumb river systems incl KY Reservoir; W Uplands & W Highland Rim.	S1S2	G2G3	--	--
<i>Pseudanophthalmus bendermani</i>	Benderman's Cave Beetle Terrestrial cave obligate; Central Basin.	S1S2	G1G2	--	--
<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot Large rivers in sand and gravel; Tennessee & Cumberland systems; big river form of Q. cylindrica.	S3	G3G4T3	--	--
<i>Quadrula intermedia</i>	Cumberland Monkeyface Shallow riffle and shoal areas of headwater streams and bigger rivers, in coarse sand/gravel substrates; Tennessee River system.	S1	G1	E	LE
<i>Toxolasma cylindrellus</i>	Pale Lilliput Small tributary rivers & streams, in firm rubble, gravel, and sand substrates in shallow riffles and shoals; lower Tenn. River system.	S1	G1	E	LE
<i>Toxolasma lividus</i>	Purple Lilliput Small-medium sized rivers & lg creeks, in mud, sand, & gravel substrates; Tenn. & Cumberland river systems in headwater areas.	S1S2	G2	--	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 26		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ammoselinum popei</i>	Pope's Sand-parsley Glades	S2	G4	T	--
<i>Amsonia tabernaemontana var. gattingeri</i>	Limestone Blue Star Glades, Barrens, And Rocky River Bars	S3	G5T3Q	S	--
<i>Apios priceana</i>	Price's Potato-bean Openings In Rich Woods	S2	G2	E	LT
<i>Arabis glabra</i>	Tower-mustard Barrens And Open Floodplains	S1	G5	S	--
<i>Astragalus tennesseensis</i>	Tennessee Milk-vetch Glades	S3	G3	S	--
<i>Castanea dentata</i>	American Chestnut Mesic To Dry Forests	S2S3	G4	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Maury County . . . Continued

Known Species: 65

Vascular Plants: 26 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cerastium velutinum</i> var. <i>velutinum</i>	Velvety Cerastium Bluffs	S1	G5T4?	E	--
<i>Dalea foliosa</i>	Leafy Prairie-clover Rocky Washes In Glades	S2S3	G2G3	E	LE
<i>Helianthus eggertii</i>	Eggert's Sunflower Barrens And Roadsides	S3	G3	S	DM
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Juncus brachycephalus</i>	Small-headed Rush Seeps And Wet Bluffs	S2	G5	S	--
<i>Leavenworthia exigua</i> var. <i>exigua</i>	Glade-cress Glades	S3	G4T3	S	--
<i>Leavenworthia exigua</i> var. <i>lutea</i>	Pasture Glade-cress Glades	SH	G4T1	E-P	--
<i>Lesquerella densipila</i>	Duck River Bladderpod Cultivated Fields	S3	G3	T	--
<i>Lesquerella globosa</i>	Short's Bladderpod Limestone Talus Slopes And Cliffs	S2	G2	E	C
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Mirabilis albida</i>	Pale Umbrella-wort Glades	S2	G5	T	--
<i>Muhlenbergia glabriflora</i>	Hair Grass Dry Woods And Barrens	S1	G4?	S	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Parnassia grandifolia</i>	Large-leaved Grass-of-parnassus Calcareous Seeps	S3	G3	S	--
<i>Phlox pilosa</i> ssp. <i>ozarkana</i>	Ozark Downy Phlox Rocky, Dry Open Woods	S1S2	G5T4?	S	--
<i>Schoenolirion croceum</i>	Yellow Sunnybell Wet Areas In Glades	S3	G4	T	--
<i>Stellaria fontinalis</i>	Water Stitchwort Seeps And Limestone Creek Beds	S3	G3	T	--
<i>Talinum calcaricum</i>	Limestone Fame-flower Glades	S3	G3	S	--
<i>Vitis rupestris</i>	Sand Grape Sandy, Rocky Riverbanks	S1	G3	E	--



**Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties**



Maury County . . . Continued

Known Species: 65

Vertebrate Animals: 15		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Etheostoma aquali</i>	Coppercheek Darter Primarily in deep riffles, runs, and flowing pools; Duck and Buffalo River watersheds.	S2S3	G2G3	T	--
<i>Etheostoma denoncourti</i>	Golden Darter Medium to large rivers in shallow riffle areas of pea gravel; Tennessee River system.	S2	G2	--	--
<i>Etheostoma luteovinctum</i>	Redband Darter Limestone streams; Nashville Basin & portions of Highland Rim.	S4	G4	D	--
<i>Etheostoma striatulum</i>	Striated Darter Bedrock pools of headwaters and creeks with large slabrock cover; upper Duck River watershed.	S1	G1	T	--
<i>Gyrinophilus palleucus</i>	Tennessee Cave Salamander Aquatic cave obligate; cave streams & rimstone pools; Central Basin, Eastern Highland Rim, & Cumberland Plateau.	S2	G2G3	T	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Ixobrychus exilis</i>	Least Bittern Marshes with scattered bushes or other woody growth; readily uses artificial wetland habitats.	S2B	G5	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Noturus fasciatus</i>	Saddled Madtom Rocky riffles, runs, and flowing pools of clear creeks & small rivers; Duck River system and nearby tributaries of the Tennessee River.	S2	G2	T	--
<i>Percina phoxocephala</i>	Slenderhead Darter Small-large rivers with moderate gradient in shoal areas with moderate-swift currents; portions of Tenn & Cumb river watersheds.	S3	G5	D	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--

-- End of Maury --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



McMinn County

Known Species: 12

Invertebrate Animals: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Gomphus consanguis</i>	Cherokee Clubtail Small, spring-fed streams w/sand, gravel & fine detritus substrate in partly shaded to open areas; Ridge & Valley.	S1	G2G3	--	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aureolaria patula</i>	Spreading False-foxglove Oak Woods And Edges	S3	G3	S	--
<i>Platanthera integrilabia</i>	White Fringeless Orchid Acidic Seeps And Stream Heads	S2S3	G2G3	E	C
<i>Xerophyllum asphodeloides</i>	Eastern Turkeybeard Dry Oak Or Piney Woods	S3	G4	T	--
Vertebrate Animals: 7		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Hemidactylium scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--

-- End of McMinn --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



McNairy County

Known Species: 31

Invertebrate Animals: 2		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Fallicambarus hortonii</i>	Hatchie Burrowing Crayfish Primary burrower; uses saturated or seasonally saturated soils associated with permanent bodies of water; Mississippi River tributaries, Coastal Plain.	S1	G1	E	--
<i>Orconectes wrightii</i>	Hardin Crayfish Small-medium sized streams with cobble-sand substrates, under rocks or in leaf litter; western tribs of the Tennessee River in Hardin & McNairy counties.	S2	G2	E	--

Vascular Plants: 15		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ceratophyllum echinatum</i>	Prickly Hornwort Slow Moving Streams	S1	G4?	S	--
<i>Cyperus plukenetii</i>	Plukenet's Galingale Sandy Barrens	SH	G5	S	--
<i>Drosera capillaris</i>	Pink Sundew Acidic Wetlands	S1	G5	T	--
<i>Eleocharis tortilis</i>	Twisted Spike-rush Swamps	S1	G5	S	--
<i>Fuirena squarrosa</i>	Hairy Umbrella-sedge Stream And Lake Margins	S1	G4G5	S	--
<i>Helianthus verticillatus</i>	Whorled Sunflower Edge Of Creeks And Fields	S1	G1Q	E	C
<i>Magnolia virginiana</i>	Sweetbay Magnolia Forested Acidic Wetlands	S2	G5	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Plantago cordata</i>	Heart-leaved Plantain Limestone Creek Beds	S1	G4	E	--
<i>Polygala mariana</i>	Maryland Milkwort Sandy Alluvial Woods And Disturbed Areas	S1	G5	S	--
<i>Polytaenia nuttallii</i>	Prairie Parsley Prairies And Open Dry Areas	S1	G5	T	--
<i>Sacciolepis striata</i>	Gibbous Panic-grass Floodplains And Shallow Pools	S1	G5	S	--
<i>Silene ovata</i>	Ovate Catchfly Open Oak Woods	S2	G3	E	--
<i>Stylisma humistrata</i>	Southern Morning-glory Dry Piney Woods	S1	G4G5	T	--
<i>Tridens flavus var. chapmanii</i>	Chapman's Redtop Sandy Woods, Roadside Barrens	SH	G5T3T5	S	--

Vertebrate Animals: 14		St. Rank	Global Rank	St. Prot.	Fed. Prot.
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Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



McNairy County . . . Continued

Known Species: 31

Vertebrate Animals: 14 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aimophila aestivalis</i>	Bachman's Sparrow Dry open pine or oak woods; nests on the ground in dense cover.	S1B	G3	E	--
<i>Ammocrypta beani</i>	Naked Sand Darter Shifting sand bottoms & sandy runs; Hatchie River & larger tribs.	S2	G5	D	--
<i>Ammocrypta vivax</i>	Scaly Sand Darter Small to medium rivers with sandy substrate; Hatchie & Buffalo rivers.	S2	G5	D	--
<i>Anhinga anhinga</i>	Anhinga Swamps, lakes, and sluggish streams at low elevations.	S1B	G5	D	--
<i>Chondestes grammacus</i>	Lark Sparrow Open habitats with scattered bushes and trees, prairie, cultivated areas, fields with bushy borders; ground nester.	S1B	G5	T	--
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Etheostoma pyrrhogaster</i>	Firebelly Darter Sand- and gravel-bottomed pools of headwaters, creeks, and small rivers; upper Coastal Plain; west Tennessee.	S2	G2G3	D	--
<i>Hyla gratiosa</i>	Barking Treefrog Low wet woods and swamps esp. with ephemeral ponds.	S3	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Macrochelys temminckii</i>	Alligator Snapping Turtle Slow moving, deep water of rivers, sloughs, oxbows, swamps, and lakes; middle and west Tennessee; obscure.	S2S3	G3G4	D	--
<i>Noturus gladiator</i>	Piebald Madtom Large creeks & rivers in moderate-swift currents with clean sand or gravel substrates; Mississippi River tributaries.	S3	G3	D	--
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--

-- End of McNairy --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Meigs County

Known Species: 31

Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ridge and Valley Calcareous Valley Bottom Glade and Woodland</i>	Ridge and Valley Calcareous Glade and Woodland	SNR	GNR	--	--
Invertebrate Animals: 7		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cyprogenia stegaria</i>	Fanshell Medium to large streams and rivers with coarse sand and gravel substrates; Cumberland and Tennessee river systems.	S1	G1Q	E	LE
<i>Dromus dromas</i>	Dromedary Pearlymussel Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.	S1	G1	E	LE
<i>Gomphus consanguis</i>	Cherokee Clubtail Small, spring-fed streams w/sand, gravel & fine detritus substrate in partly shaded to open areas; Ridge & Valley.	S1	G2G3	--	--
<i>Lampsilis abrupta</i>	Pink Mucket Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	S2	G2	E	LE
<i>Pleurobema oviforme</i>	Tennessee Clubshell Small, shallow streams & rivers with good current & coarse gravel/sand substrates; Tennessee & Cumberland river systems.	S2S3	G2G3	--	--
<i>Pleurobema plenum</i>	Rough Pigtoe Medium to large rivers in sand, gravel, and cobble substrates of shoals; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Pleurobema rubrum</i>	Pyramid Pigtoe Rivers with strong current and firm sand/gravel substrates; TN & Cumb river systems incl KY Reservoir; W Uplands & W Highland Rim.	S1S2	G2G3	--	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 13		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Arabis patens</i>	Spreading Rockcress Moist Rocky Woods	S1	G3	E	--
<i>Aureolaria patula</i>	Spreading False-foxglove Oak Woods And Edges	S3	G3	S	--
<i>Carex comosa</i>	Bristly Sedge Swamps	S2	G5	T	--
<i>Carex gravida</i>	Heavy Sedge Rocky River Bluffs	S1	G5	S	--
<i>Cimicifuga rubifolia</i>	Appalachian Bugbane Rich Woods	S3	G3	T	--
<i>Dalea candida</i>	White Prairie-clover Barrens	S2	G5	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Meigs County . . . Continued

Known Species: 31

Vascular Plants: 13 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Diervilla lonicera</i>	Northern Bush-honeysuckle Rocky Woodlands And Bluffs	S2	G5	T	--
<i>Helianthus occidentalis</i>	Naked-stem Sunflower Limestone Glades And Barrens; Roadsides	S2	G5	S	--
<i>Liatris cylindracea</i>	Slender Blazing-star Barrens	S2	G5	T	--
<i>Neviusia alabamensis</i>	Alabama Snow-wreath Upland Woods	S2	G2	T	--
<i>Onosmodium molle ssp. occidentale</i>	Western False Gromwell Glades	S1S2	G4G5T4?	T	--
<i>Sacciolepis striata</i>	Gibbous Panic-grass Floodplains And Shallow Pools	S1	G5	S	--
<i>Symphotrichum pratense</i>	Barrens Silky Aster Barrens	S1	G4?	E	--

Vertebrate Animals: 9		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acipenser fulvescens</i>	Lake Sturgeon Bottoms of large, clean rivers and lakes.	S1	G3G4	E	--
<i>Carpionodes velifer</i>	Highfin Carpsucker Large rivers, mostly in Tennessee River drainage.	S2S3	G4G5	D	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Gyrinophilus gulolineatus</i>	Berry Cave Salamander Aquatic cave obligate; Ridge & Valley; formerly included with <i>G. palleucus</i> .	S1	G1Q	T	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Ixobrychus exilis</i>	Least Bittern Marshes with scattered bushes or other woody growth; readily uses artificial wetland habitats.	S2B	G5	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Percina tanasi</i>	Snail Darter Sand and gravel shoals of moderately flowing, vegetated, large creeks; upper Tennessee River watershed.	S2S3	G2G3	T	LT
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--

-- End of Meigs --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Monroe County

Known Species: 111

Ecological Systems: 1	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Southern Appalachian Spray Cliff</i>	Southern Appalachian Spray Cliff	SNR	GNR	--	--
Ecological Systems: 1	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Quercus stellata</i> - <i>Pinus virginiana</i> / (<i>Schizachyrium scoparium</i> , <i>Piptochaetium avenaceum</i>) Woodland	Red Knobs Sandstone Post Oak - Virginia Pine Woodland	SNR	G2?	--	--
Invertebrate Animals: 20	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Anguispira jessica</i>	Mountain Disc Higher elevations in the southern Appalachians, arboreal; also inhabits rotting wood; Roan Mountain & Mt. Le Conte.	S3	G3G4	--	--
<i>Athearnia anthonyi</i>	Anthony Riversnail Larger rivers and downstream stretches of lg creeks, on cobble/boulder substrates adj. riffles; portions of upper TN River basin.	S1	G1	E	LE,XN
<i>Euchemotrema fraternum montanum</i>	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.	S2	G5T2	--	--
<i>Fumonelix christyi</i>	Glossy Covert Leaf litter in upland oak woods; central and southernmost Blue Ridge; southeast Tennessee.	S2	G3	--	--
<i>Fumonelix wheatleyi</i>	Cinnamon Covert Leaf litter, logs, talus in mixed woodlands, coves @ mid-upper elevations of Blue Ridge; Blount, Carter, Cocke, Monroe, & Sevier cos.	S3	G4	--	--
<i>Glyphyalinia pentadelphia</i>	Pink Glyph Pockets of moist leaves in rich upland woods; mid-elevations of Blue Ridge; southeast Tennessee.	S2	G2G3	--	--
<i>Helicodiscus fimbriatus</i>	Fringed Coil In leaf litter or under rocks on wooded hillsides; southern Blue Ridge; southeast Tennessee.	S3	G4	--	--
<i>Inflectarius ferrissi</i>	Smoky Mountain Covert Under rock ledges, rock piles, or logs at mid-elevations and higher; Blue Ridge; Great Smoky Mountains National Park.	S2	G2	--	--
<i>Mesomphix rugeli</i>	Wrinkled Button Under leaf litter on wooded hillsides; far NE Tennessee; S Blue Ridge.	S3	G4	--	--
<i>Ophiogomphus alleghaniensis</i>	Allegheny Snaketail Riffle areas of spring-fed streams; Cumberland Plateau, Ridge & Valley, & Blue Ridge; not watershed specific.	S1	G3T2T3	--	--
<i>Paravitrea lamellidens</i>	Lamellate Supercoil Deep, moist leaf litter below boulder slopes, bluffs; boggy seeps; forested hillsides & ravines; central & southern Blue Ridge.	S2	G2	--	--
<i>Paravitrea umbilicaris</i>	Open Supercoil In pockets of deep, moist leaf litter on forested hillsides & ravines; Blue Ridge; southeast Tennessee.	S2?	G2	--	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Monroe County . . . Continued

Known Species: 111

Invertebrate Animals: 20 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Pseudanophthalmus paulus</i>	Nobletts Cave Beetle Terrestrial cave obligate; southern Ridge & Valley; reported from one historical location in Monroe County.	S1	GH	--	C
<i>Quadrula intermedia</i>	Cumberland Monkeyface Shallow riffle and shoal areas of headwater streams and bigger rivers, in coarse sand/gravel substrates; Tennessee River system.	S1	G1	E	LE
<i>Quadrula sparsa</i>	Appalachian Monkeyface Headwater sections of rivers in shallow riffles/runs with sand-gravel substrate & moderate current; upper Tennessee River drainage.	S1	G1	E	LE
<i>Speyeria diana</i>	Diana Fritillary Fields, edges, and openings in moist, rich, forested mountains and valleys; Blue Ridge & Cumberland Plateau generally.	S3	G3G4	--	--
<i>Striatura exigua</i>	Ribbed Striate Moist leaf litter of forested slopes; Blue Ridge; a northern species that apparently follows the spine of the Appalachians south.	S1	G5	--	--
<i>Trechus talequah</i>	A Carabid Beetle Terrestrial; known only from the Unicoi Mountains near Haw Knob between 4800-5000 ft; Monroe County.	S1	GNR	--	--
<i>Ventridens decussatus</i>	Crossed Dome In leaf litter of oak woods, usually above 3,000 ft; Blue Ridge.	S2?	G3	--	--
<i>Vertigo clappi</i>	Cupped Vertigo In leaf litter and moss on forested hillsides; Blue Ridge; Monroe County.	S1	G1G2	--	--

Nonvascular Plants: 7		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Drepanolejeunea appalachiana</i>	A Liverwort Tree Bark, 2000-4500 Ft.	S1	G2?	S	--
<i>Jungermannia fossombronioides</i>	Low Elevation Rocky Streams	S1	G4	S	--
<i>Lophocolea appalachiana</i>	A Liverwort Spray Cliffs	S1	G1G2Q	S	--
<i>Megaceros aenigmaticus</i>	Megaceros Mid-Elev. Streams On Wet Shaded Rocks	S2S3	G2G3	S	--
<i>Mnium carolinianum</i>	Carolina Mnium Rocks & Streambanks In Humid Gorges	S1	G3	S	--
<i>Pellia appalachiana</i>	Wet Soil, Barrens	S2	G4	S	--
<i>Porella wataugensis</i>	Watauga Porella Moist Boulders & Cliffs, Phyllite	S1S2	G1G2Q	T	--

Vascular Plants: 44		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Abies fraseri</i>	Fraser Fir Forests Above 5500 Ft	S1S2	G2	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Monroe County . . . Continued

Known Species: 111

Vascular Plants: 44 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acer leucoderme</i>	Chalk Maple Circumneutral Rocky Woods	S3	G5	S	--
<i>Adlumia fungosa</i>	Climbing Fumitory Rich Mesic Woods	S2	G4	T	--
<i>Allium tricoccum</i>	Ramps Rich Woods	S1S2	G5	S-CE	--
<i>Aureolaria patula</i>	Spreading False-foxglove Oak Woods And Edges	S3	G3	S	--
<i>Botrychium jenmanii</i>	Alabama Grapefern Pine Woods	S1	G3G4	T	--
<i>Botrychium matricariifolium</i>	Chamomile Grapefern Mountain Woods And Thickets	S1	G5	S	--
<i>Calamagrostis porteri</i>	Porter's Reedgrass Rich Mountain Woods	S1	G4	E	--
<i>Cardamine clematitidis</i>	Mountain Bittercress High Elevation Seeps	S2	G3	T	--
<i>Carex comosa</i>	Bristly Sedge Swamps	S2	G5	T	--
<i>Carex manhartii</i>	Manhart's Sedge Mountain Slopes And Stream Banks	S2	G3G4	E	--
<i>Carex ruthii</i>	Ruth's Sedge Mountain Forests And Wet Areas	S2	G3	T	--
<i>Cimicifuga rubifolia</i>	Appalachian Bugbane Rich Woods	S3	G3	T	--
<i>Clintonia borealis</i>	Clinton's Lily High Elevation Mesic Forests	S2S3	G5	S	--
<i>Coreopsis latifolia</i>	Broad-leaved Tickseed Streamheads	S1S2	G3	E	--
<i>Cymophyllus fraserianus</i>	Fraser's Sedge Mixed Mesophytic Forests	S3	G4	S	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Draba ramosissima</i>	Branching Whitlow-grass Calcareous Bluffs	S2	G4	S	--
<i>Glyceria laxa</i>	Northern Mannagrass Bogs And Wet Areas	S1	G5TUQ	S	--
<i>Helianthemum bicknellii</i>	Plains Frostweed Dry Ridges	SH	G5	E-P	--
<i>Helianthemum canadense</i>	Canada Frostweed Dry Ridges	SH	G5	E-P	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Monroe County . . . Continued

Known Species: 111

Vascular Plants: 44 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heracleum maximum</i>	Cow-parsnip Moist Woods And Floodplains	S2	G5	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Hydrophyllum virginianum</i>	Appalachian Waterleaf Alluvial Woods	S3	G5	T	--
<i>Hypericum mitchellianum</i>	Blue Ridge St. John's-wort High Elevation, Moist Woods	S2	G3	T	--
<i>Isoetes tennesseensis</i>	Hiwassee Quillwort Rocky River Banks	S1	G1	E	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lathyrus palustris</i>	Marsh Pea Wet Woods & Marshes	S1	G5	S	--
<i>Lobelia amoena</i>	Southern Lobelia Mountain Flood Plains And Pools	S1S2	G4?	T	--
<i>Menziesia pilosa</i>	Minniebush Heath Balds And Cliffs	S2	G4G5	S	--
<i>Monotropsis odorata</i>	Sweet Pinesap Piney Woods	S2	G3	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Platanthera psycodes</i>	Small Purple Fringed Orchid Wet Woods And Bog Margins	S2	G5	S	--
<i>Poa palustris</i>	Fowl Bluegrass Wet Balds	S1	G5	E	--
<i>Potamogeton amplifolius</i>	Large-leaf Pondweed Lakes And Streams	S1	G5	T	--
<i>Potamogeton epihydrus</i>	Nuttall's Pondweed Lakes And Streams	S1S2	G5	S	--
<i>Potamogeton tennesseensis</i>	Tennessee Pondweed Slow Acidic Streams	S2	G2	T	--
<i>Stachys clingmanii</i>	Clingman's Hedge-nettle Mountain Clearings And Meadows	S1S2	G2Q	T	--
<i>Streptopus roseus</i>	Rosy Twisted-stalk Rich, Moist Mountain Woods	S2	G5	S	--
<i>Symplocos tinctoria</i>	Horse-sugar Floodplains And Moist Ravines	S2	G5	S	--
<i>Thermopsis fraxinifolia</i>	Ash-leaved Bush-pea Roadsides And Dry Open Woods	S3	G3?	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Monroe County . . . Continued

Known Species: 111

Vascular Plants: 44 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Trichomanes boschianum</i>	Bristle-fern Rocky Seeps	S1S2	G4	T	--
<i>Trichomanes petersii</i>	Dwarf Filmy-fern Rocky Seeps	S2	G4G5	T	--
<i>Xerophyllum asphodeloides</i>	Eastern Turkeybeard Dry Oak Or Piney Woods	S3	G4	T	--
Vertebrate Animals: 38		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aegolius acadicus</i>	Northern Saw-whet Owl High-elevation spruce-fir forests; Blue Ridge Mountains.	S1	G5	T	--
<i>Aquila chrysaetos</i>	Golden Eagle Open country, open wooded country, and barren areas, especially in hilly or mountainous regions.	S1	G5	T	--
<i>Clinostomus funduloides ssp. 1</i>	Smoky Dace Upland tributaries of Little Tennessee River; east Tennessee.	S1S2	G5T3Q	D	--
<i>Condylura cristata</i>	Star-nosed Mole Hydric soils in beech-maple-birch forests at higher elevations in the Appalachians.	S2	G5	D	--
<i>Corvus corax</i>	Common Raven Hilly or mountainous areas, esp near cliffs; nests usually on cliff ledges or in coniferous trees.	S2	G5	T	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Desmognathus aeneus</i>	Seepage Salamander Leaf litter in mixed hardwood forests near small creeks, springs and seeps; southern Blue Ridge; SE Tennessee.	S1	G3G4	D	--
<i>Erimonax monachus</i>	Spotfin Chub Clear upland rivers with swift currents & boulder substrates; portions of the Tennessee River watershed.	S2	G2	T	LT,XN, PXN
<i>Etheostoma gutselli</i>	Tuckasegee Darter Swift riffle areas with coarse rubble; Little Tennessee & Pigeon rivers.	S1	G4	E	--
<i>Etheostoma percnurum</i>	Duskytail Darter Gently flowing pools near riffles; larger creeks and medium size rivers; Tennessee & Cumberland river drainages.	S1	G2	E	LE,XN
<i>Eurycea junaluska</i>	Junaluska Salamander Beneath rocks along medium to large streams; S Blue Ridge; Monroe, Blount, & Sevier counties.	S2	G3	D	--
<i>Glaucomys sabrinus coloratus</i>	Carolina Northern Flying Squirrel Spruce-fir or mature hardwood forest with snags; in tree cavities or leaf nests; higher elevations of the Appalachians.	S1S2	G5T1	E	LE



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Monroe County . . . Continued

Known Species: 111

Vertebrate Animals: 38 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Hemidactylium scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Myotis leibii</i>	Eastern Small-footed Myotis Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.	S2S3	G3	D	--
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Napaeozapus insignis</i>	Woodland Jumping Mouse Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	S4	G5	D	--
<i>Neotoma floridana haematoreia</i>	Southern Appalachian Woodrat Forests & talus slopes in southern Appalachians of southeastern Tennessee.	S2	G5T4Q	D	--
<i>Noturus baileyi</i>	Smoky Madtom Clear, cool, rocky riffles, runs, and flowing pools of mountain creeks; lower Little Tennessee River system.	S1	G1	E	LE,XN
<i>Noturus flavipinnis</i>	Yellowfin Madtom Medium size to large creeks and small rivers that are unpolluted & relatively unsilted; upper Tennessee River watershed.	S1	G1	E	LT,XN
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--
<i>Percina burtoni</i>	Blotchside Logperch Large creeks and small-medium rivers with low turbidity and gravel-cobble substrates; Tennessee & Cumberland river watersheds.	S2	G2G3	D	--
<i>Percina tanasi</i>	Snail Darter Sand and gravel shoals of moderately flowing, vegetated, large creeks; upper Tennessee River watershed.	S2S3	G2G3	T	LT
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Monroe County . . . Continued

Known Species: 111

Vertebrate Animals: 38 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Sorex palustris</i>	American Water Shrew Most abundant along small cold streams with thick overhanging riparian growth; Appalachian Mountains.	S2	G5	D	--
<i>Sphyrapicus varius</i>	Yellow-bellied Sapsucker Deciduous or mixed deciduous-coniferous forest; winters statewide and breeds in Appalachian Mountains.	S1B,S4N	G5	D	--
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--
<i>Vermivora chrysoptera</i>	Golden-winged Warbler Early successional habitats in foothill regions of Appalachians.	S3B	G4	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Monroe --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Montgomery County **Known Species: 75**

Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Pennyroyal Karst Plain Prairie and Barrens</i>	Pennyroyal Karst Plain Prairie and Barrens	S2?	GNR	--	--
Invertebrate Animals: 4		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Lithasia salebrosa</i>	Muddy Rocksnail <small>Formerly occurred in portions of lower Cumberland and lower Tennessee systems; may be limited to dam tailwaters currently.</small>	S2	G3G4Q	--	--
<i>Orconectes pellucidus</i>	Mammoth Cave Crayfish <small>Aquatic cave obligate; subterranean streams & pools of Pennyroyal Plain; Montgomery & Robertson counties.</small>	S3	G4	--	--
<i>Pseudanophthalmus colemanensis</i>	Coleman Cave Beetle <small>Terrestrial cave obligate; Western Highland Rim.</small>	S1	G1	--	--
<i>Stygobromus vitreus</i>	An Amphipod <small>Aquatic cave obligate; pools in wet caves; northernmost Highland Rim and southernmost Cumberlands.</small>	S2	G4	--	--
Nonvascular Plants: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Fissidens clebschii</i>	Clebsch's Pocket Moss <small>Mesic Forest River Bluffs</small>	SH	GHQ	S	--
Vascular Plants: 46		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Agalinis auriculata</i>	Earleaved False-foxglove <small>Barrens</small>	S2	G3	E	--
<i>Amsonia tabernaemontana var. gattingeri</i>	Limestone Blue Star <small>Glades, Barrens, And Rocky River Bars</small>	S3	G5T3Q	S	--
<i>Apios priceana</i>	Price's Potato-bean <small>Openings In Rich Woods</small>	S2	G2	E	LT
<i>Arabis shortii</i>	Short's Rock-cress <small>Wooded Bluffs & Floodplains</small>	S1S2	G5	S	--
<i>Asclepias purpurascens</i>	Purple Milkweed <small>Barrens</small>	S1	G5?	S	--
<i>Aureolaria patula</i>	Spreading False-foxglove <small>Oak Woods And Edges</small>	S3	G3	S	--
<i>Carex comosa</i>	Bristly Sedge <small>Swamps</small>	S2	G5	T	--
<i>Carex gravida</i>	Heavy Sedge <small>Rocky River Bluffs</small>	S1	G5	S	--
<i>Carex lacustris</i>	Lake-bank Sedge <small>Alluvial Woods</small>	S1	G5	T	--
<i>Carex muskingumensis</i>	Muskingum Sedge <small>Wet Woods</small>	SH	G4	E-P	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Montgomery County . . . Continued

Known Species: 75

Vascular Plants: 46 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carex oxylepis</i> var. <i>pubescens</i>	Hairy Sharp-scaled Sedge Wooded Bluffs, Floodplains	S1	G5?T3	S	--
<i>Cimicifuga rubifolia</i>	Appalachian Bugbane Rich Woods	S3	G3	T	--
<i>Clematis pitcheri</i>	Pitcher Leather-flower Rocky Woodlands	SH	G4G5	T	--
<i>Cornus obliqua</i>	Silky Dogwood Rocky River Shores	S2?	G5T5	S	--
<i>Desmodium ochroleucum</i>	Creamflower Tick-trefoil Sandy Dry Woods	S1	G1G2	E	--
<i>Diarrhena obovata</i>	Beak Grass Moist Calcareous Ledges, Upland Woods	S1	G4G5	S	--
<i>Echinacea pallida</i>	Pale-purple Coneflower Barrens And Dry Openings	S1	G4	T	--
<i>Eleocharis lanceolata</i>	Lance-like Spike-rush Wet Areas	S1	G4G5	S	--
<i>Elodea nuttallii</i>	Nuttall's Waterweed Aquatic; Streams And Ponds	S2	G5	S	--
<i>Helianthus occidentalis</i>	Naked-stem Sunflower Limestone Glades And Barrens; Roadsides	S2	G5	S	--
<i>Heteranthera limosa</i>	Blue Mud-plantain Mud Flats	S1S2	G5	T	--
<i>Hieracium longipilum</i>	Hairy Hawkweed Dry Fields And Sandy Road Banks	S1	G4G5	S	--
<i>Hottonia inflata</i>	Featherfoil Wet Sloughs And Ditches	S2	G4	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Lesquerella globosa</i>	Short's Bladderpod Limestone Talus Slopes And Cliffs	S2	G2	E	C
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Muhlenbergia glabriflora</i>	Hair Grass Dry Woods And Barrens	S1	G4?	S	--
<i>Neobeckia aquatica</i>	Lake Cress Gum Or Cypress Swamps	S2	G4?	S	--
<i>Packera plattensis</i>	Prairie Ragwort Open Riverbanks, Barrens	S1	G5	S	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Montgomery County . . . Continued

Known Species: 75

Vascular Plants: 46 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Phacelia ranunculacea</i>	Blue Scorpion-weed Alluvial Woods	S2S3	G4	S	--
<i>Polygala mariana</i>	Maryland Milkwort Sandy Alluvial Woods And Disturbed Areas	S1	G5	S	--
<i>Prenanthes barbata</i>	Bearded Rattlesnake-root Barrens And Dry Woodlands	S2	G3	S	--
<i>Prenanthes crepidinea</i>	Nodding Rattlesnake-root Rich Bottomlands	S2	G4	E	--
<i>Ranunculus aquatilis var. diffusus</i>	White Water-buttercup Ponds And Streams	S1	G5T5	E	--
<i>Ranunculus flabellaris</i>	Yellow Water-crowfoot Ponds And Marshes	S2	G5	T	--
<i>Ribes odoratum</i>	Buffalo Currant Limestone Bluffs	SH	G5T4T5	T	--
<i>Rudbeckia subtomentosa</i>	Sweet Coneflower Barrens	S2	G5	T	--
<i>Sagittaria brevirostra</i>	Short-beaked Arrowhead Swamps And Floodplains	S1	G5	T	--
<i>Sagittaria platyphylla</i>	Ovate-leaved Arrowhead Swamps, Emmergent	S2S3	G5	S	--
<i>Sagittaria rigida</i>	Sessile-fruited Arrowhead Ponds And Marshes	S1	G5	S	--
<i>Silphium laciniatum</i>	Compass Plant Barrens	S2	G5	T	--
<i>Silphium pinnatifidum</i>	Southern Prairie-dock Barrens	S2	G3Q	T	--
<i>Solidago rupestris</i>	Rock Goldenrod Limestone Riverbanks, Bluffs	S1	G4?	E	--
<i>Trifolium reflexum</i>	Buffalo Clover Rocky Open Woods	S1	G3G4	E	--
<i>Vitis rupestris</i>	Sand Grape Sandy, Rocky Riverbanks	S1	G3	E	--
Vertebrate Animals: 23		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aimophila aestivalis</i>	Bachman's Sparrow Dry open pine or oak woods; nests on the ground in dense cover.	S1B	G3	E	--
<i>Ammodramus henslowii</i>	Henslow's Sparrow Damp open fields and meadows with grass interspersed with weeds or shrubs.	S1B	G4	D	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Montgomery County . . . Continued **Known Species: 75**

Vertebrate Animals: 23 . . . Continued	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Botaurus lentiginosus</i>	American Bittern Lake and pond edges with plentiful vegetation, and wetlands created by impoundments; rare nester.	S1	G4	--	--
<i>Chondestes grammacus</i>	Lark Sparrow Open habitats with scattered bushes and trees, prairie, cultivated areas, fields with bushy borders; ground nester.	S1B	G5	T	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Hyla gratiosa</i>	Barking Treefrog Low wet woods and swamps esp. with ephemeral ponds.	S3	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis leibii</i>	Eastern Small-footed Myotis Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.	S2S3	G3	D	--
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Nerodia erythrogaster neglecta</i>	Copperbelly Watersnake Warm, quiet waters; wooded lakes, streams, sloughs; northern middle Tennessee; lower Cumberland & Tennessee river watersheds.	S2S3	G5T3	--	No Status
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Passerculus sandwichensis</i>	Savannah Sparrow Grassland habitats, away from cultivated fields and fence lines; reported from Ridge & Valley and Western Highland Rim.	S1B,S4N	G5	--	--
<i>Percina phoxocephala</i>	Slenderhead Darter Small-large rivers with moderate gradient in shoal areas with moderate-swift currents; portions of Tenn & Cumb river watersheds.	S3	G5	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Sistrurus miliarius streckeri</i>	Western Pygmy Rattlesnake Usually near water in river floodplains, swamps, marshes, and wet prairies; occas drier wooded uplands; W half of Tenn., generally.	S2S3	G5T5	T	--
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--
<i>Sorex hoyi</i>	American Pygmy Shrew Found in a variety of habitats, with moist sites preferred over dry areas; middle and east Tennessee.	S2	G5	--	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Montgomery County . . . Continued

Known Species: 75

Vertebrate Animals: 23 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Montgomery --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Moore County **Known Species: 14**

Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Quercus phellos</i> - <i>Quercus alba</i> / <i>Vaccinium fuscatum</i> - (<i>Viburnum nudum</i>) / <i>Carex (barrattii, intumescens)</i> Forest	Barrens Depression Willow Oak Forest	SNR	G2	--	--
Invertebrate Animals: 4		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Fusconaia cor</i>	Shiny Pigtoe Shoals and riffles of small-medium sized rivers with mod-fast current over sand-cobble substrates; upper Tennessee River watershed.	S1	G1	E	LE
<i>Lexingtonia dolabelloides</i>	Slabside Pearlymussel Lg creeks to mod sized rivers, in riffles/shoals of sand, fine gravel, and cobble substrates with mod current; Tennessee R watershed.	S2	G2	--	C
<i>Lithasia lima</i>	Warty Rocksnail Rocky substrates in riffle systems; Elk River & larger tributaries (Tennessee River watershed).	S2	G2Q	--	--
<i>Pleurobema oviforme</i>	Tennessee Clubshell Small, shallow streams & rivers with good current & coarse gravel/sand substrates; Tennessee & Cumberland river systems.	S2S3	G2G3	--	--
Vascular Plants: 7		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Dichantherium acuminatum ssp. leucothrix</i>	Roughish Witchgrass Moist Pine Barrens	S1	G4?Q	S	--
<i>Dichantherium ensifolium ssp. curtifolium</i>	Short-leaved Panic Grass Boggy Areas	S1	G3?	E	--
<i>Drosera brevifolia</i>	Dwarf Sundew Wet Barrens And Ecotones	S2	G5	T	--
<i>Neviusia alabamensis</i>	Alabama Snow-wreath Upland Woods	S2	G2	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Zigadenus leimanthoides</i>	Death-camas Acidic Wetlands	S2	G4Q	T	--
Vertebrate Animals: 2		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE

-- End of Moore --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Morgan County

Known Species: 60

Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>(Salix caroliniana, Rhododendron arborescens) - Andropogon gerardii - Baptisia australis - (Solidago simplex var. randii)</i> Herbaceous Vegetation	Cumberland Plateau Riverine Cobble Bar	S2	G2?	--	--
Invertebrate Animals: 6		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Alasmidonta atropurpurea</i>	Cumberland Elktoe Small creeks to medium-sized rivers with slow current, sand substrates, and large cobble; upper Cumberland River watershed.	S1S2	G1G2	E	LE
<i>Cambarus sp. 1</i>	Emory River Crayfish Under rock cover in Emory River & larger tributaries, Morgan County.	S1	G1?	--	--
<i>Lampsilis virescens</i>	Alabama Lampmussel Found in sand and gravel substrates in shoal areas of small-medium size rivers; middle and upper TN R system; poss extirpated in TN.	S1	G1	E	LE
<i>Pleurobema oviforme</i>	Tennessee Clubshell Small, shallow streams & rivers with good current & coarse gravel/sand substrates; Tennessee & Cumberland river systems.	S2S3	G2G3	--	--
<i>Villosa perpurpurea</i>	Purple Bean Creeks to medium-sized rivers, headwaters, in riffles with coarse sand & gravel & some silt; upper Tennessee River watershed.	S1	G1	E	LE
<i>Villosa trabalis</i>	Cumberland Bean Riffle areas of small rivers & streams in sand, gravel, & cobble substrates with swift current; upper Cumb. & upper Tenn. river systems.	S1	G1	E	LE
Nonvascular Plants: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Bryoxiphium norvegicum</i>	Sword Moss Sandstone Rockhouses And Shaded Outcroppings	S1	G5?	T	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Schizachyrium scoparium - Danthonia sericea - Aster surculosus - Liatris microcephala</i> Herbaceous Vegetation	Cumberland Plateau Clifftop Sandstone Barren	S2?	G3	--	--
Vascular Plants: 30		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Adlumia fungosa</i>	Climbing Fumitory Rich Mesic Woods	S2	G4	T	--
<i>Ageratina luciae-brauniae</i>	Lucy Braun's White Snakeroot Rockhouses	S3	G3	T	--
<i>Amelanchier sanguinea</i>	Roundleaf Shadbush Rocky Slopes And River Banks	S2	G5	T	--
<i>Aureolaria patula</i>	Spreading False-foxglove Oak Woods And Edges	S3	G3	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Morgan County . . . Continued

Known Species: 60

Vascular Plants: 30 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Berberis canadensis</i>	American Barberry Rocky Woods And River Bars	S2	G3	S	--
<i>Buckleya distichophylla</i>	Piratebush Rocky Mountain Woods W/ Hemlock	S2	G2	T	--
<i>Calamovilfa arcuata</i>	Cumberland Sandgrass Rocky And Sandy River Bars	S2	G2	E	--
<i>Conradina verticillata</i>	Cumberland Rosemary Sandy, Rocky River Banks And Bars	S3	G3	T	LT
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Danthonia epilis</i>	Bog Oat-grass Acidic Seeps	S1S2	G3G4	S	--
<i>Helenium brevifolium</i>	Shortleaf Sneezeweed Rocky, Sandy Streamsides	S1	G4	E	--
<i>Helianthus eggertii</i>	Eggert's Sunflower Barrens And Roadsides	S3	G3	S	DM
<i>Hieracium scabrum</i>	Rough Hawkweed Dry Open Woods And Pastures	S2	G5	T	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Leucothoe racemosa</i>	Fetter-bush Acidic Wetlands And Swamps	S2	G5	T	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Marshallia grandiflora</i>	Large-fl. Barbara's-buttons Rocky River Bars	S2	G2	E	--
<i>Melanthium woodii</i>	Ozark Bunchflower Rich Wooded Slopes	S1	G5	E	--
<i>Minuartia cumberlandensis</i>	Cumberland Sandwort Rockhouses	S2	G2G3	E	LE
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Polygonella americana</i>	Southern Jointweed Dry, Open Woods And Barrens	S1S2	G5	E	--
<i>Potamogeton tennesseensis</i>	Tennessee Pondweed Slow Acidic Streams	S2	G2	T	--
<i>Scutellaria saxatilis</i>	Rock Skullcap Rocky Woods And Moist Cliffs	S3	G3	T	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Morgan County . . . Continued

Known Species: 60

Vascular Plants: 30 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Spiraea virginiana</i>	Virginia Spiraea Stream Bars And Ledges	S2	G2	E	LT
<i>Sporobolus junceus</i>	Pinelands Dropseed Dry Piney Woods	S1	G5	S	--
<i>Talinum mengesii</i>	Menge's Fame-flower Dry Rock Ledges	S2	G3	T	--
<i>Thalictrum coriaceum</i>	Leatherleaf Meadowrue Alluvial Woods And Moist Bluffs	S1	G4	T	--
<i>Trientalis borealis</i>	Northern Starflower Mountain Hardwood Forests	S1	G5	T	--
<i>Utricularia subulata</i>	Zigzag Bladderwort Wet Barrens, Ecotones	S1	G5	T	--
Vertebrate Animals: 21		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aneides aeneus</i>	Green Salamander Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	S3S4	G3G4	--	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Desmognathus welteri</i>	Black Mountain Salamander Spring runs and permanent streams in wooded mountainous terrain; northern Cumberlands.	S3	G4	D	--
<i>Erimonax monachus</i>	Spotfin Chub Clear upland rivers with swift currents & boulder substrates; portions of the Tennessee River watershed.	S2	G2	T	LT,XN, PXN
<i>Etheostoma baileyi</i>	Emerald Darter Creeks and small rivers with riffles containing gravel or rubble; upper Cumberland drainage.	S2	G4G5	D	--
<i>Etheostoma cinereum</i>	Ashy Darter Small to medium upland rivers with bedrock or gravel substrate and boulders.	S2S3	G2G3	T	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Myotis leibii</i>	Eastern Small-footed Myotis Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.	S2S3	G3	D	--
<i>Napaeozapus insignis</i>	Woodland Jumping Mouse Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	S4	G5	D	--
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Morgan County . . . Continued

Known Species: 60

Vertebrate Animals: 21 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Parascalops breweri</i>	Hairy-tailed Mole Moist soils in deciduous forests with thick humus; east Tennessee.	S3	G5	D	--
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--
<i>Percina macrocephala</i>	Longhead Darter Clear, larger upland creeks and small-med rivers, usually in rocky flowing pools upst/dnst rubble riffles; Tenn & Cumb river watersheds.	S2	G3	T	--
<i>Percina squamata</i>	Olive Darter Small-med rivers; in strong flowing chutes with rubble/boulders in high-gradient streams; portions of upper Tenn & Cumb river systems. 	S2	G3	D	--
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Spilogale putorius</i>	Eastern Spotted Skunk Rocky outcrops, open prairies, brushy areas, cultivated fields, and barnyards; more common in east Tennessee; reclusive.	S3	G5	--	--
<i>Vermivora chrysoptera</i>	Golden-winged Warbler Early successional habitats in foothill regions of Appalachians.	S3B	G4	D	--

-- End of Morgan --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Obion County

Known Species: 35

Invertebrate Animals: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Webbhelix multilineata</i>	Striped Whitelip Low wet habitats, marshes, floodplains, meadows; lake margins; under leaf litter or drift; Mississippi River floodplain.	S2	G5	--	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 12		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carex comosa</i>	Bristly Sedge Swamps	S2	G5	T	--
<i>Elodea nuttallii</i>	Nuttall's Waterweed Aquatic; Streams And Ponds	S2	G5	S	--
<i>Hottonia inflata</i>	Featherfoil Wet Sloughs And Ditches	S2	G4	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Iris fulva</i>	Copper Iris Bottomlands	S2	G5	T	--
<i>Neobeckia aquatica</i>	Lake Cress Gum Or Cypress Swamps	S2	G4?	S	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Phacelia ranunculacea</i>	Blue Scorpion-weed Alluvial Woods	S2S3	G4	S	--
<i>Prunus virginiana</i>	Choke Cherry Moist Coves And Slopes	S1	G5	S	--
<i>Ranunculus flabellaris</i>	Yellow Water-crowfoot Ponds And Marshes	S2	G5	T	--
<i>Sagittaria platyphylla</i>	Ovate-leaved Arrowhead Swamps, Emergent	S2S3	G5	S	--
<i>Spiranthes odorata</i>	Sweetscent Ladies'-tresses Swamps, Pond Margins	S1	G5	E	--
Vertebrate Animals: 21		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aimophila aestivalis</i>	Bachman's Sparrow Dry open pine or oak woods; nests on the ground in dense cover.	S1B	G3	E	--
<i>Anhinga anhinga</i>	Anhinga Swamps, lakes, and sluggish streams at low elevations.	S1B	G5	D	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Obion County . . . Continued

Known Species: 35

Vertebrate Animals: 21 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ardea alba</i>	Great Egret Marshes, swampy woods, streams, lakes, and ponds; also fields and meadows; colonial nester.	S2B,S3N	G5	D	--
<i>Chondestes grammacus</i>	Lark Sparrow Open habitats with scattered bushes and trees, prairie, cultivated areas, fields with bushy borders; ground nester.	S1B	G5	T	--
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Falco peregrinus</i>	Peregrine Falcon Varied habitats including farmlands, marshes, river mouths, and cities; often nests on ledges.	S1B	G4	E	No Status
<i>Fundulus chrysotus</i>	Golden Topminnow Swamps, backwaters, and pools of ditches and slow-moving creeks; Reelfoot Lake & imm. vicinity.	S1S2	G5	D	--
<i>Gallinula chloropus</i>	Common Moorhen Marshes, quiet rivers, lakes and ponds; nests among marsh plants over water; infrequently flies.	S1B	G5	D	No Status
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Ictinia mississippiensis</i>	Mississippi Kite Undisturbed stands of lowland and floodplain forests and along major rivers.	S2S3	G5	D	--
<i>Ixobrychus exilis</i>	Least Bittern Marshes with scattered bushes or other woody growth; readily uses artificial wetland habitats.	S2B	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Neotoma floridana illinoensis</i>	Eastern Woodrat Forested areas, caves & outcrops; west Tennessee generally.	S3	G5T5	D	--
<i>Nerodia cyclopion</i>	Mississippi Green Watersnake Marshes, swamps, bayous, shallow lakes and ponds, wet prairies, oxbows and floodplain sloughs; far west Tennessee.	S2	G5	D	--
<i>Noturus gladiator</i>	Piebald Madtom Large creeks & rivers in moderate-swift currents with clean sand or gravel substrates; Mississippi River tributaries.	S3	G3	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--
<i>Vireo bellii</i>	Bell's Vireo Thickets adjacent to water, bottomlands; west Tennessee and one confirmed location in Western Highland Rim.	S1B	G5	--	No Status



Tennessee Natural Heritage Program
 Rare Species Observations For
 Tennessee Counties



Obion County . . . Continued

Known Species: 35

Vertebrate Animals: 21 . . . Continued

St. Rank

Global Rank

St. Prot.

Fed. Prot.

Zapus hudsonius

Meadow Jumping Mouse

S4

G5

D

No Status

Open grassy fields; often abundant in thick vegetation near water bodies; statewide.

-- End of Obion --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Overton County

Known Species: 45

Invertebrate Animals: 20		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Batriasymmodes quisnamus</i>	A Cave Obligate Beetle Terrestrial cave obligate; middle Tennessee.	S3	G3G4	--	--
<i>Batrisodes clypeospecus</i>	A Cave Obligate Beetle Terrestrial cave obligate; northern Cumberlands.	S1S2	G1G2	--	--
<i>Cambarus obeyensis</i>	Obey Crayfish Under cover in small-medium sized streams; headwaters of East Fork Obey River; northern Cumberlands; tertiary burrower.	S2	G2	T	--
<i>Carychium stygium</i>	Cave Thorn Cave obligate; feeds on cricket guano; Highland Rim & escarpment of Cumberland Plateau.	S2	G3	--	--
<i>Donnaldsoncythere tuberosa</i>	A Cave Obligate Shrimp Aquatic cave obligate; Eastern Highland Rim; Putnam & Overton counties; crayfish commensal.	S2?	G2G3	--	--
<i>Helicodiscus hadenoecus</i>	Cricket Coil Cave obligate; feeds on cricket guano; Eastern Highland Rim & Cumberland Plateau.	S3	G3	--	--
<i>Hesperochernes mirabilis</i>	Southeastern Cave Pseudoscorpion Terrestrial cave obligate; woodrat debris in caves; middle Tennessee.	S3	G5	--	--
<i>Kleptochthonius pluto</i>	A Cave Obligate Pseudoscorpion Terrestrial cave obligate; Eastern Highland Rim.	S1	G1	--	--
<i>Litocampa sp. 7</i>	Mill Hollow Cave Dipluran Terrestrial cave obligate, northern Cumberlands.	S1	G1	--	--
<i>Nelsonites walteri</i>	A Cave Obligate Beetle Terrestrial cave obligate, northern Cumberlands.	S3	G3G4	--	--
<i>Nesticus stygius</i>	A Cave Obligate Spider Terrestrial cave obligate; reported from wet caves; northern Cumberlands.	S1S2	G1G2	--	--
<i>Orconectes australis</i>	Southern Cave Crayfish Aquatic cave obligate; subterranean streams & pools; Eastern Highland Rim escarpment to the Cumberland Plateau.	S3	G5	--	--
<i>Pseudanophthalmus sp. 29</i>	Falling Springs Cave Beetle Terrestrial cave obligate; Overton County.	S1	G1	--	--
<i>Pseudanophthalmus valentinei</i>	A Cave Obligate Beetle Terrestrial cave obligate; northern Eastern Highland Rim; Putnam & Overton counties.	S2S3	G3G4	--	--
<i>Pseudosinella christianseni</i>	A Cave Obligate Springtail Terrestrial cave obligate; portions of Cumberland Plateau & Sequatchie Valley.	S2	G5	--	--
<i>Pseudotremia manni</i>	Mann's Cave Millipede Terrestrial cave obligate; collected from riparian mud banks in caves of the northern Eastern Highland Rim; Overton County.	S1	G1	--	--
<i>Stygobromus sp. 24</i>	Cave Amphipod (Overton Co., TN) Aquatic cave obligate; wet caves in the escarpment of the Cumberland Plateau; Overton County.	S1	G1	--	--
<i>Trechus cumberlandus</i>	Cumberland Ground Beetle Terrestrial associate of caves, springs, sinkholes; escarpment of the Cumberland Plateau, generally.	S2	G2	--	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Overton County . . . Continued

Known Species: 45

Invertebrate Animals: 20 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Triodopsis complanata</i>	Glossy Threetooth Cave associate; also found in leaf litter or around logs or talus; northernmost Cumberlands.	S2	G2	--	--
<i>Zonitoides lateumbilicatus</i>	Striate Gloss A calciphile; found in leaf litter of shady karst woods, ravines; sometimes near springs or seeps; spotty distribution in Cumberlands.	S2?	G3G4	--	--

Vascular Plants: 11		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Allium burdickii</i>	Narrow-leaf Ramps Rich Woods	S1S2	G4G5	T-CE	--
<i>Allium tricoccum</i>	Ramps Rich Woods	S1S2	G5	S-CE	--
<i>Carex oxylepis var. pubescens</i>	Hairy Sharp-scaled Sedge Wooded Bluffs, Floodplains	S1	G5?T3	S	--
<i>Caulophyllum giganteum</i>	Giant Blue Cohosh Rich Woods	S1	G4G5Q	T	--
<i>Glyceria acutiflora</i>	Sharp-scaled Mannagrass Swamps,Ponds	S2	G5	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Spiranthes lucida</i>	Shining Ladies'-tresses Alluvial Woods And Moist Slopes	S1S2	G5	T	--

Vertebrate Animals: 14		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aneides aeneus</i>	Green Salamander Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	S3S4	G3G4	--	--
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Etheostoma cinereum</i>	Ashy Darter Small to medium upland rivers with bedrock or gravel substrate and boulders.	S2S3	G2G3	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Overton County . . . Continued

Known Species: 45

Vertebrate Animals: 14 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Etheostoma obeyense</i>	Barcheck Darter Small to medium sized, clear upland streams; Eastern Highland Rim; Cumberland River drainage.	S3	G4	--	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Hemidactylium scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Ixobrychus exilis</i>	Least Bittern Marshes with scattered bushes or other woody growth; readily uses artificial wetland habitats.	S2B	G5	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Overton --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Perry County

Known Species: 36

Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Juniperus virginiana</i> / <i>Schizachyrium scoparium</i> - (Andropogon gerardii, <i>Sorghastrum nutans</i>) - <i>Silphium</i> (trifoliatum, terebinthinaceum) Wooded Herbaceous Vegetation	Western Tennessee Valley Limestone Hill Barrens	SNR	G2	--	--
Invertebrate Animals: 11		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cambarincola leptadenus</i>	A Cave Obligate Worm Aquatic cave obligate; crayfish parasite (known from <i>Cambarus tenebrosus</i>); Western Highland Rim.	S1	G1G2	--	--
<i>Lithasia duttoniana</i>	Helmet Rocksnail Rocky substrates in riffle systems; bedrock in flowing water below main section of riffles; Duck River (TN River system).	S2	G2Q	--	--
<i>Lithasia geniculata fuliginosa</i>	Geniculate River Snail Medium-sized river form of <i>L. geniculata</i> ; portions of lower Cumberland and lower Tennessee river systems; Duck & Buffalo rivers.	S2	G3T3Q	--	--
<i>Lithasia salebrosa</i>	Muddy Rocksnail Formerly occurred in portions of lower Cumberland and lower Tennessee systems; may be limited to dam tailwaters currently.	S2	G3G4Q	--	--
<i>Obovaria retusa</i>	Ring Pink Large rivers in gravel and sand bars; Tennessee & Cumberland river watersheds; many historic locations currently inundated.	S1	G1	E	LE
<i>Ophiogomphus acuminatus</i>	Acuminate Snaketail Clear, mostly shaded streams with at least pockets of sandy gravel; Western Highland Rim & Western Uplands.	S2	G3	--	--
<i>Plethobasus cicatricosus</i>	White Wartyback Presumed to inhabit shoals and riffles in large rivers; Tennessee & Cumberland river systems. Very rare & poss extirpated in TN.	S1	G1	E	LE
<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.	S1	G1	E	LE
<i>Pseudanophthalmus hesperus</i>	A Cave Obligate Beetle Terrestrial cave obligate; Western Highland Rim.	S1	G1	--	--
<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot Large rivers in sand and gravel; Tennessee & Cumberland systems; big river form of <i>Q. cylindrica</i> .	S3	G3G4T3	--	--
<i>Vertigo teskeyae</i>	Swamp Vertigo Wet habitats, pond margins, swamps, muddy bottomlands; tributary creeks of lower Tennessee River.	S1	G5	--	--
Vascular Plants: 11		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acalypha deamii</i>	Deam's Copperleaf Mesic Woods-Sandbars	S1	G4?	S	--
<i>Arabis hirsuta</i>	Western Hairy Rockcress Glades And Limestone Bluffs	S1	G5	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Perry County . . . Continued

Known Species: 36

Vascular Plants: 11 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carex oxylepis</i> var. <i>pubescens</i>	Hairy Sharp-scaled Sedge Wooded Bluffs, Floodplains	S1	G5?T3	S	--
<i>Desmodium ochroleucum</i>	Creamflower Tick-trefoil Sandy Dry Woods	S1	G1G2	E	--
<i>Draba cuneifolia</i>	Wedge-leaved Whitlow-grass Barrens And Glades	S1S2	G5	S	--
<i>Erythronium rostratum</i>	Beaked Trout-lily Mesic Woods And Slopes	S2	G5	S	--
<i>Hasteola suaveolens</i>	Sweet-scented Indian-plantain Alluvial Woods, Moist Slopes	S2	G4	T	--
<i>Onosmodium molle</i> ssp. <i>occidentale</i>	Western False Gromwell Glades	S1S2	G4G5T4?	T	--
<i>Prenanthes aspera</i>	Rough Rattlesnake-root Barrens And Roadsides	S1	G4?	E	--
<i>Prenanthes barbata</i>	Bearded Rattlesnake-root Barrens And Dry Woodlands	S2	G3	S	--
<i>Salvia azurea</i> var. <i>grandiflora</i>	Blue Sage Barrens	S3	G4G5T4?	S	--

Vertebrate Animals: 13		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Etheostoma aquali</i>	Coppercheek Darter Primarily in deep riffles, runs, and flowing pools; Duck and Buffalo River watersheds.	S2S3	G2G3	T	--
<i>Etheostoma denoncourti</i>	Golden Darter Medium to large rivers in shallow riffle areas of pea gravel; Tennessee River system.	S2	G2	--	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Noturus fasciatus</i>	Saddled Madtom Rocky riffles, runs, and flowing pools of clear creeks & small rivers; Duck River system and nearby tributaries of the Tennessee River.	S2	G2	T	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Perry County . . . Continued

Known Species: 36

Vertebrate Animals: 13 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Sorex hoyi</i>	American Pygmy Shrew Found in a variety of habitats, with moist sites preferred over dry areas; middle and east Tennessee.	S2	G5	--	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Perry --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Pickett County

Known Species: 42

Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heuchera parviflora</i> var. <i>parviflora</i> - <i>Trichomanes boschianum</i> - <i>Thalictrum mirabile</i> - (<i>Ageratina luciae-brauniae</i> , <i>Solidago albopilosa</i>) Herbaceous Vegetation	Cumberland Plateau Sandstone Rockhouse	SNR	G2	--	--
Invertebrate Animals: 10		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Batriasymmodes quisnamus</i>	A Cave Obligate Beetle Terrestrial cave obligate; middle Tennessee.	S3	G3G4	--	--
<i>Kleptochthonius rex</i>	A Cave Obligate Pseudoscorpion Terrestrial cave obligate; Eastern Highland Rim.	S1	G1	--	--
<i>Lithasia armigera</i>	Armored Rocksnail Partially buried logs, gravel, and preferably submerged rock outcrops; lower Cumberland River & larger tributaries; Obey River. 	S1S2	G3G4	--	--
<i>Nelsonites walteri</i>	A Cave Obligate Beetle Terrestrial cave obligate, northern Cumberlands.	S3	G3G4	--	--
<i>Orconectes australis</i>	Southern Cave Crayfish Aquatic cave obligate; subterranean streams & pools; Eastern Highland Rim escarpment to the Cumberland Plateau.	S3	G5	--	--
<i>Pseudosinella orba</i>	A Cave Springtail Terrestrial cave obligate; reported from two caves in northern Cumberlands; Fentress & Pickett counties.	S2	G3G4	--	--
<i>Pseudotremia wallaceae</i>	Wallace's Cave Millipede Terrestrial cave obligate; collected from riparian mud banks in caves of the northern Eastern Highland Rim; Pickett County.	S1	G1	--	--
<i>Stenotrema angellum</i>	Kentucky Slitmouth Found under logs and leaf litter of forested hillsides and ravines; northern Eastern Highland Rim.	S3	G4	--	--
<i>Tyrannochthonius steevesi</i>	A Cave Obligate Pseudoscorpion Terrestrial cave obligate; northernmost Eastern Highland Rim; known from one cave in Pickett County.	S1	G1	--	--
<i>Villosa trabalis</i>	Cumberland Bean Riffle areas of small rivers & streams in sand, gravel, & cobble substrates with swift current; upper Cumb. & upper Tenn. river systems.	S1	G1	E	LE
Nonvascular Plants: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Bryoxiphium norvegicum</i>	Sword Moss Sandstone Rockhouses And Shaded Outcroppings	S1	G5?	T	--
<i>Pellia appalachiana</i>	Wet Soil, Barrens	S2	G4	S	--
<i>Scopelophila cataractae</i>	Agoyan Cataract Moss Rock Houses, Copper-Rich Soils	S1	G3	S	--
Vascular Plants: 14		St. Rank	Global Rank	St. Prot.	Fed. Prot.



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Pickett County . . . Continued

Known Species: 42

Vascular Plants: 14 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ageratina luciae-brauniae</i>	Lucy Braun's White Snakeroot Rockhouses	S3	G3	T	--
<i>Aureolaria patula</i>	Spreading False-foxglove Oak Woods And Edges	S3	G3	S	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Eurybia schreberi</i>	Schreber's Aster Mesic Woods & Seepage Slopes	S1	G4	S	--
<i>Hieracium scabrum</i>	Rough Hawkweed Dry Open Woods And Pastures	S2	G5	T	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Maianthemum stellatum</i>	Starflower False Solomon's-seal Floodplains And Sandy Woods	S1	G5	E	--
<i>Minuartia cumberlandensis</i>	Cumberland Sandwort Rockhouses	S2	G2G3	E	LE
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Parnassia grandifolia</i>	Large-leaved Grass-of-parnassus Calcareous Seeps	S3	G3	S	--
<i>Spiranthes lucida</i>	Shining Ladies'-tresses Alluvial Woods And Moist Slopes	S1S2	G5	T	--
<i>Taxus canadensis</i>	American Yew Sandstone Outcrops	S1	G5	E	--
<i>Thuja occidentalis</i>	Northern White Cedar Calcareous Rocky Seeps, Cliffs	S3	G5	S	--
<i>Utricularia inflata</i>	Inflated Bladderwort Ponds, Lake Margins	S1	G5	S	--

Vertebrate Animals: 14		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aneides aeneus</i>	Green Salamander Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	S3S4	G3G4	--	--
<i>Carpionodes velifer</i>	Highfin Carpsucker Large rivers, mostly in Tennessee River drainage.	S2S3	G4G5	D	--
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Desmognathus welteri</i>	Black Mountain Salamander Spring runs and permanent streams in wooded mountainous terrain; northern Cumberlands.	S3	G4	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Pickett County . . . Continued

Known Species: 42

Vertebrate Animals: 14 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Etheostoma cinereum</i>	Ashy Darter Small to medium upland rivers with bedrock or gravel substrate and boulders.	S2S3	G2G3	T	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Napaeozapus insignis</i>	Woodland Jumping Mouse Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	S4	G5	D	--
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Percina burtoni</i>	Blotchside Logperch Large creeks and small-medium rivers with low turbidity and gravel-cobble substrates; Tennessee & Cumberland river watersheds.	S2	G2G3	D	--
<i>Percina macrocephala</i>	Longhead Darter Clear, larger upland creeks and small-med rivers, usually in rocky flowing pools upst/dnst rubble riffles; Tenn & Cumb river watersheds.	S2	G3	T	--
<i>Percina phoxocephala</i>	Slenderhead Darter Small-large rivers with moderate gradient in shoal areas with moderate-swift currents; portions of Tenn & Cumb river watersheds.	S3	G5	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--

-- End of Pickett --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Polk County

Known Species: 112

Invertebrate Animals: 36		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Anguispira jessica</i>	Mountain Disc Higher elevations in the southern Appalachians, arboreal; also inhabits rotting wood; Roan Mountain & Mt. Le Conte.	S3	G3G4	--	--
<i>Cambarus conasaugaensis</i>	Mountain Crayfish Mountain seeps & small to medium sized streams in Appalachians; Hiwassee River watershed, Polk County.	S1	G3	--	--
<i>Cambarus hiwasseeensis</i>	Hiwassee Crayfish Under rocks in clear, swift flowing tributaries of the upper Hiwassee River, Polk County.	S1	G3G4	--	--
<i>Cheumatopsyche helma</i>	Helma's Net-spinning Caddisfly Streams of montane origin; east Tennessee; Tennessee River watershed.	S1S3	G3	--	--
<i>Elimia christyi</i>	A Freshwater Snail Found in the Hiwassee River and tributaries; southeast Tennessee.	S2	G2	--	--
<i>Epioblasma florentina walkeri</i>	Tan Riffleshell Found in river headwaters, in riffles and shoals in sand and gravel substrates; Tennessee & Cumberland river systems.	S1	G1T1	E	LE
<i>Epioblasma metastrata</i>	Upland Combshell Sand & gravel substrates in riffle sections of small-medium size rivers; Conasauga River; Polk County.	SH	GH	E	LE
<i>Fumonelix archeri</i>	Ocoee Covert In leaf litter or under rock ledges; rich woods north and south of Ocoee River, Cherokee National Forest, Polk County.	S1	G1	--	--
<i>Glyphyalinia ocoae</i>	Blue-gray Glyph Leaf litter on wooded hillsides & ravines; southernmost Blue Ridge; Polk County.	S1	G1	--	--
<i>Glyphyalinia pentadelphia</i>	Pink Glyph Pockets of moist leaves in rich upland woods; mid-elevations of Blue Ridge; southeast Tennessee.	S2	G2G3	--	--
<i>Gomphus consanguis</i>	Cherokee Clubtail Small, spring-fed streams w/sand, gravel & fine detritus substrate in partly shaded to open areas; Ridge & Valley.	S1	G2G3	--	--
<i>Hamiota altilis</i>	Finelined Pocketbook Creeks/small rivers with substrates of sand, mud, & gravel, & mod current; Conasauga River & Coahulla Ck; Polk & Bradley counties.	S1S2	G2	T	LT
<i>Helicodiscus fimbriatus</i>	Fringed Coil In leaf litter or under rocks on wooded hillsides; southern Blue Ridge; southeast Tennessee.	S3	G4	--	--
<i>Leptoxis virgata</i>	Smooth Mudalia Medium to large rivers, on shoals; portions of upper TN River and some larger tribs; Hiwassee River.	S1	G2	--	--
<i>Lexingtonia dolabelloides</i>	Slabside Pearlymussel Lg creeks to mod sized rivers, in riffles/shoals of sand, fine gravel, and cobble substrates with mod current; Tennessee R watershed.	S2	G2	--	C
<i>Medionidus acutissimus</i>	Alabama Moccasinshell Small-large rivers in gravel & cobble shoals in shallow water with mod strong current; Conasauga River; Polk County.	S1	G2	T	LT
<i>Medionidus parvulus</i>	Coosa Moccasinshell Highly oxygenated streams & small rivers with moderate to strong flow, in sand and gravel; Conasauga River, Polk County.	S1	G1Q	E	LE



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Polk County . . . Continued

Known Species: 112

Invertebrate Animals: 36 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Mesomphix rugeli</i>	Wrinkled Button Under leaf litter on wooded hillsides; far NE Tennessee; S Blue Ridge.	S3	G4	--	--
<i>Ophiogomphus alleghaniensis</i>	Allegheny Snaketail Riffle areas of spring-fed streams; Cumberland Plateau, Ridge & Valley, & Blue Ridge; not watershed specific.	S1	G3T2T3	--	--
<i>Ophiogomphus edundo</i>	Edmund's Snaketail Clear, moderately flowing mountain streams and rivers; reported from Conasauga River watershed; Cherokee National Forest.	S1	G1G2	--	--
<i>Paravitrea umbilicaris</i>	Open Supercoil In pockets of deep, moist leaf litter on forested hillsides & ravines; Blue Ridge; southeast Tennessee.	S2?	G2	--	--
<i>Pleurobema chattanoogaense</i>	Painted Clubshell Inhabits riffle areas with substrates of coarse sand and gravel; Conasauga River; Bradley & Polk counties.	S1?	G1Q	--	--
<i>Pleurobema georgianum</i>	Southern Pigtoe High quality small rivers & large streams; shoals and runs with stable sandy-gravel substrates; Conasauga River; Polk & Bradley cos.	S1	G1	E	LE
<i>Pleurobema hanleyianum</i>	Georgia Pigtoe Medium sized rivers with good current and coarse sand/gravel substrates; Conasauga River; Bradley & Polk counties.	S1	G1	--	C
<i>Pleurobema oviforme</i>	Tennessee Clubshell Small, shallow streams & rivers with good current & coarse gravel/sand substrates; Tennessee & Cumberland river systems.	S2S3	G2G3	--	--
<i>Pleurobema troschelianum</i>	Alabama Clubshell Medium sized rivers with good current and coarse sand/gravel substrates; Conasauga River; Bradley & Polk counties.	S1	G1Q	--	--
<i>Ptychobranthus greenii</i>	Triangular Kidneyshell Medium sized rivers with good current and coarse sand/gravel substrates; Conasauga River; Bradley & Polk counties.	S1	G1Q	E	LE
<i>Somatogyryus sp. 2</i>	Hiwassee Pebblesnail Known from the "dewatered" section of the Hiwassee River upstream of the Appalachia Powerhouse; on rocks in free-flowing water.	S1	G1	--	--
<i>Speyeria diana</i>	Diana Fritillary Fields, edges, and openings in moist, rich, forested mountains and valleys; Blue Ridge & Cumberland Plateau generally.	S3	G3G4	--	--
<i>Stenotrema barbigerum</i>	Fringed Slitmouth On logs on forested hillsides & ravines; far SE Tennessee; Blue Ridge and Ridge & Valley.	S3?	G3G4	--	--
<i>Stenotrema cohuttense</i>	Cohutta Slitmouth In leaf litter of forested hillsides & ravines; far SE Tennessee; S Blue Ridge; Polk County.	S2	G2	--	--
<i>Stenotrema pilula</i>	Pygmy Slitmouth Found under logs and in leaf litter on dry forested hillsides; Blue Ridge; GSMNP.	S3	G3G4	--	--
<i>Strophitus connasaugaensis</i>	Alabama Creekmussel Small-medium sized rivers, in shallow areas with current and substrates of of fine gravel, sand, & silt; Conasauga River; Polk County.	S1	G3	--	--
<i>Ventridens decussatus</i>	Crossed Dome In leaf litter of oak woods, usually above 3,000 ft; Blue Ridge.	S2?	G3	--	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Polk County . . . Continued

Known Species: 112

Invertebrate Animals: 36 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Villosa trabalis</i>	Cumberland Bean Riffle areas of small rivers & streams in sand, gravel, & cobble substrates with swift current; upper Cumb. & upper Tenn. river systems.	S1	G1	E	LE
<i>Villosa vibex</i>	Southern Rainbow Mud or soft sand in small rivers & creeks in areas with moderate current; Conasauga, Hatchie, and Wolf (Miss. R.) river systems.	S2	G5Q	--	--
Nonvascular Plants: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Megaceros aenigmaticus</i>	Megaceros Mid-Elev. Streams On Wet Shaded Rocks	S2S3	G2G3	S	--
Vascular Plants: 49		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acer leucoderme</i>	Chalk Maple Circumneutral Rocky Woods	S3	G5	S	--
<i>Agalinis plukenetii</i>	Purple Gerardia Dry Sandy Woods	SH	G3G5	E-P	--
<i>Agastache scrophulariifolia</i>	Purple Giant Hyssop Rich Mountain Woods	S1S2	G4	T	--
<i>Amelanchier sanguinea</i>	Roundleaf Shadbush Rocky Slopes And River Banks	S2	G5	T	--
<i>Cardamine clematitis</i>	Mountain Bittercress High Elevation Seeps	S2	G3	T	--
<i>Cardamine flagellifera</i>	Running Bittercress Mountain Stream Banks	S2	G3	T	--
<i>Chrysogonum virginianum</i>	Green-and-gold Dry Woods And Openings	S2	G5	T	--
<i>Coreopsis delphiniifolia</i>	Larkspur-leaved Coreopsis Pine-Oak Woods	S1	G3?Q	E	--
<i>Coreopsis latifolia</i>	Broad-leaved Tickseed Streamheads	S1S2	G3	E	--
<i>Cyperus dentatus</i>	Toothed Sedge Rocky River Banks	S1	G4	S	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Dichanthelium acuminatum ssp. leucothrix</i>	Roughish Witchgrass Moist Pine Barrens	S1	G4?Q	S	--
<i>Diervilla lonicera</i>	Northern Bush-honeysuckle Rocky Woodlands And Bluffs	S2	G5	T	--
<i>Diervilla sessilifolia var. rivularis</i>	Mountain Bush-honeysuckle Dry Cliffs And Bluffs	S2	G3	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Polk County . . . Continued

Known Species: 112

Vascular Plants: 49 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Draba ramosissima</i>	Branching Whitlow-grass Calcareous Bluffs	S2	G4	S	--
<i>Eriophorum virginicum</i>	Tawny Cotton-grass Bogs	S1S2	G5	E	--
<i>Fuirena squarrosa</i>	Hairy Umbrella-sedge Stream And Lake Margins	S1	G4G5	S	--
<i>Gelsemium sempervirens</i>	Yellow Jessamine Dry Openings	S1S2	G5	S	--
<i>Heracleum maximum</i>	Cow-parsnip Moist Woods And Floodplains	S2	G5	S	--
<i>Isoetes tennesseensis</i>	Hiwassee Quillwort Rocky River Banks	S1	G1	E	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lobelia amoena</i>	Southern Lobelia Mountain Flood Plains And Pools	S1S2	G4?	T	--
<i>Lonicera dioica</i>	Mountain Honeysuckle Mountain Woods And Thickets	S2	G5	S	--
<i>Lysimachia fraseri</i>	Fraser's Loosestrife Dry Open Woods	S2	G3	E	--
<i>Magnolia virginiana</i>	Sweetbay Magnolia Forested Acidic Wetlands	S2	G5	T	--
<i>Marshallia obovata</i>	Piedmont Barbara's-buttons Woodlands & Streambanks	S1	G4G5	T	--
<i>Melanthium latifolium</i>	Broadleaf Bunchflower Oak Forest	S1S2	G5	E	--
<i>Monotropsis odorata</i>	Sweet Pinesap Piney Woods	S2	G3	T	--
<i>Nestronia umbellula</i>	Nestronia Upland Woods	S1	G4	E	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Pilularia americana</i>	American Pillwort Lake Drawdown Zones	S1S2	G5	S	--
<i>Pityopsis ruthii</i>	Ruth's Golden-aster Bouldery River Shoals	S1	G1	E	LE
<i>Platanthera integrilabia</i>	White Fringeless Orchid Acidic Seeps And Stream Heads	S2S3	G2G3	E	C
<i>Platanthera psycodes</i>	Small Purple Fringed Orchid Wet Woods And Bog Margins	S2	G5	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Polk County . . . Continued

Known Species: 112

Vascular Plants: 49 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Potamogeton epihydrus</i>	Nuttall's Pondweed Lakes And Streams	S1S2	G5	S	--
<i>Potamogeton tennesseensis</i>	Tennessee Pondweed Slow Acidic Streams	S2	G2	T	--
<i>Prunus virginiana</i>	Choke Cherry Moist Coves And Slopes	S1	G5	S	--
<i>Pseudognaphalium helleri</i>	Heller's Catfoot Dry Sandy Woods	S2	G4G5	S	--
<i>Sacciolepis striata</i>	Gibbous Panic-grass Floodplains And Shallow Pools	S1	G5	S	--
<i>Sedum nevii</i>	Nevius' Stonecrop Rocky Bluffs And Cliffs	S1	G3	E	--
<i>Silene ovata</i>	Ovate Catchfly Open Oak Woods	S2	G3	E	--
<i>Stachys clingmanii</i>	Clingman's Hedge-nettle Mountain Clearings And Meadows	S1S2	G2Q	T	--
<i>Symplocos tinctoria</i>	Horse-sugar Floodplains And Moist Ravines	S2	G5	S	--
<i>Thermopsis fraxinifolia</i>	Ash-leaved Bush-pea Roadsides And Dry Open Woods	S3	G3?	T	--
<i>Trichomanes petersii</i>	Dwarf Filmy-fern Rocky Seeps	S2	G4G5	T	--
<i>Trillium decumbens</i>	Trailing Trillium Floodplains And Rocky, Open, Mountain Woods	S1	G4	E	--
<i>Trillium rugelii</i>	Southern Nodding Trillium Rich Mountain Woods	S2	G3	E	--
<i>Vaccinium macrocarpon</i>	Cranberry Bogs	S2	G4	T	--
<i>Xerophyllum asphodeloides</i>	Eastern Turkeybeard Dry Oak Or Piney Woods	S3	G4	T	--
Vertebrate Animals: 26		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carpionodes velifer</i>	Highfin Carpsucker Large rivers, mostly in Tennessee River drainage.	S2S3	G4G5	D	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Cyprinella caerulea</i>	Blue Shiner Cool, clear, small to medium-sized rivers over firm substrates.	S1	G2	E	LT



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Polk County . . . Continued

Known Species: 112

Vertebrate Animals: 26 . . . Continued	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Desmognathus aeneus</i>	S1	G3G4	D	--
Seepage Salamander				
Leaf litter in mixed hardwood forests near small creeks, springs and seeps; southern Blue Ridge; SE Tennessee.				
<i>Etheostoma brevirostrum</i>	S1	G2	T	--
Holiday Darter				
Bedrock & gravel pools of creeks and small to medium rivers; Conasauga River watershed.				
<i>Etheostoma ditrema</i>	S1	G1G2	T	--
Coldwater Darter				
Limestone springs and slow spring runs; Conasauga River watershed.				
<i>Etheostoma trisella</i>	S1	G1	T	--
Trispot Darter				
Slackwater areas along margins of the Conasauga River & some tributaries; Conasauga River watershed.				
<i>Haliaeetus leucocephalus</i>	S3	G5	D	--
Bald Eagle				
Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.				
<i>Hybopsis lineapunctata</i>	S1	G3G4	D	--
Lined Chub				
Small upland creeks with sandy substrates; Conasauga River watershed.				
<i>Ichthyomyzon gagei</i>	S1	G5	D	--
Southern Brook Lamprey				
Gravel and sand riffles and runs of small rivers and creeks; Conasauga & lower Tennessee river watersheds.				
<i>Limnothlypis swainsonii</i>	S3	G4	D	--
Swainson's Warbler				
Mature, rich, damp, deciduous floodplain and swamp forests.				
<i>Myotis leibii</i>	S2S3	G3	D	--
Eastern Small-footed Myotis				
Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.				
<i>Napaeozapus insignis</i>	S4	G5	D	--
Woodland Jumping Mouse				
Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.				
<i>Neotoma floridana haematoreia</i>	S2	G5T4Q	D	--
Southern Appalachian Woodrat				
Forests & talus slopes in southern Appalachians of southeastern Tennessee.				
<i>Percina antesella</i>	S1	G1G2	E	LE
Amber Darter				
Main channel of Conasauga River in flowing pools & deeper runs with clean substrates of sand, gravel, scattered boulders.				
<i>Percina aurantiaca</i>	S3	G4	D	--
Tangerine Darter				
Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.				
<i>Percina burtoni</i>	S2	G2G3	D	--
Blotchside Logperch				
Large creeks and small-medium rivers with low turbidity and gravel-cobble substrates; Tennessee & Cumberland river watersheds.				
<i>Percina jenkinsi</i>	S1	G1	E	LE
Conasauga Logperch				
Deep gravel runs or pools with small stones & sandy bottoms; Conasauga and Jacks rivers; Conasauga River watershed.				
<i>Percina kusha</i>	S1	G2	--	--
Bridled Darter				
Small rivers with exceptional water quality, in flowing pools with sand, detritus, boulders; Conasauga River watershed.				
<i>Percina tanasi</i>	S2S3	G2G3	T	LT
Snail Darter				
Sand and gravel shoals of moderately flowing, vegetated, large creeks; upper Tennessee River watershed.				



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Polk County . . . Continued

Known Species: 112

Vertebrate Animals: 26 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Plestiodon anthracinus</i>	Coal Skink Humid wooded areas with abundant leaf litter and loose rocks; vicinity of springs, swamps, and bogs; spotty distribution.	S1	G5	D	--
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--

-- End of Polk --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Putnam County

Known Species: 55

Ecological Systems: 2		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Central Interior Highlands and Appalachian Sinkhole and Depression Pond</i>	Highland Rim Sinkhole and Depression Pond	S2S3	GNR	--	--
<i>Cumberland Sandstone Glade and Barrens</i>	Cumberland Sandstone Glade and Barrens	S2S3	GNR	--	--
Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Thuja occidentalis / Carex eburnea - Pellaea atropurpurea Woodland</i>	White Cedar Cliff/Bluff Woodland	SNR	G2G3	--	--
Invertebrate Animals: 15		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Batrisodes pannosus</i>	A Cave Obligate Beetle Terrestrial cave obligate; Eastern Highland Rim.	S1	G1	--	--
<i>Cambarus obeyensis</i>	Obey Crayfish Under cover in small-medium sized streams; headwaters of East Fork Obey River; northern Cumberlands; tertiary burrower.	S2	G2	T	--
<i>Cyprogenia stegaria</i>	Fanshell Medium to large streams and rivers with coarse sand and gravel substrates; Cumberland and Tennessee river systems.	S1	G1Q	E	LE
<i>Dactylocythere steevesi</i>	A Cave Obligate Shrimp Aquatic cave obligate; crayfish commensal; Cumberland Plateau & Eastern Highland Rim generally.	S2S3	G4	--	--
<i>Donnaldsoncythere tuberosa</i>	A Cave Obligate Shrimp Aquatic cave obligate; Eastern Highland Rim; Putnam & Overton counties; crayfish commensal.	S2?	G2G3	--	--
<i>Dromus dromas</i>	Dromedary Pearlymussel Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.	S1	G1	E	LE
<i>Epioblasma brevidens</i>	Cumberlandian Combshell Large creeks to large rivers, in coarse sand or mixtures of gravel, cobble, or rocks; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Epioblasma capsaeformis</i>	Oyster Mussel Shallow riffles in mod-swift current of small-medium rivers with coarse sand and gravel; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Kleptochthonius stygius</i>	A Cave Obligate Pseudoscorpion Terrestrial cave obligate; Eastern Highland Rim.	S1	G1	--	--
<i>Lampsilis abrupta</i>	Pink Mucket Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	S2	G2	E	LE
<i>Orconectes australis</i>	Southern Cave Crayfish Aquatic cave obligate; subterranean streams & pools; Eastern Highland Rim escarpment to the Cumberland Plateau.	S3	G5	--	--
<i>Orconectes incomptus</i>	Tennessee Cave Crayfish Aquatic cave obligate; subterranean streams & shallow pools; lower-elevation caves of Highland Rim escarp; Cumb River watershed.	S1	G1	E	--



Tennessee Natural Heritage Program Rare Species Observations For Tennessee Counties



Putnam County . . . Continued

Known Species: 55

Invertebrate Animals: 15 . . . Continued	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Pleurobema clava</i>	Clubshell	SH	G2	E	LE
Small/med-sized rivers and streams; deeply buried in sand/fine gravel or in clean, coarse sand/gravel runs; lower Cumb. & Tenn. rivers.					
<i>Sagittocythere barri</i>	Ectocommensal Ostracod	S3	G5	--	--
Aquatic cave obligate; crayfish commensal.					
<i>Villosa trabalis</i>	Cumberland Bean	S1	G1	E	LE
Riffle areas of small rivers & streams in sand, gravel, & cobble substrates with swift current; upper Cumb. & upper Tenn. river systems.					
Vascular Plants: 20	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Ageratina luciae-brauniae</i>	Lucy Braun's White Snakeroot Rockhouses	S3	G3	T	--
<i>Botrychium jenmanii</i>	Alabama Grapefern Pine Woods	S1	G3G4	T	--
<i>Carex chapmanii</i>	Chapman's Sedge Wet Woods	S1	G3	T	--
<i>Diamorpha smallii</i>	Small's Stonecrop Sandstone Outcrops	S1S2	G4	E	--
<i>Draba ramosissima</i>	Branching Whitlow-grass Calcareous Bluffs	S2	G4	S	--
<i>Eleocharis equisetoides</i>	Horse-tail Spike-rush Pond Edges And Open Wetlands	S1	G4	E	--
<i>Elymus svensonii</i>	Svenson's Wild-rye Rocky Bluffs	S2	G3	E	--
<i>Eriogonum longifolium var. harperi</i>	Harper's Umbrella-plant Rocky Bluffs	S1	G4T2	E	--
<i>Erysimum capitatum</i>	Western Wallflower Rocky Bluffs	S1S2	G5	E	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lonicera dioica</i>	Mountain Honeysuckle Mountain Woods And Thickets	S2	G5	S	--
<i>Muhlenbergia cuspidata</i>	Plains Muhly Limestone Cliffs	S1	G4	E	--
<i>Potamogeton amplifolius</i>	Large-leaf Pondweed Lakes And Streams	S1	G5	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Putnam County . . . Continued

Known Species: 55

Vascular Plants: 20 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Pycnanthemum torrei</i>	Torrey's Mountain-mint Barrens	S1	G2	S	--
<i>Rhynchospora perplexa</i>	Obscure Beak-rush Marshes, Wet Barrens	S2	G5	T	--
<i>Spiraea alba</i>	Narrow-leaved Meadow-sweet Bogs	S1	G5	E	--
<i>Thuja occidentalis</i>	Northern White Cedar Calcareous Rocky Seeps, Cliffs	S3	G5	S	--
<i>Trillium pusillum</i>	Least Trillium Alluvial/Moist Ravines And Dry Ridges	S2	G3	E	--
Vertebrate Animals: 17		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aimophila aestivalis</i>	Bachman's Sparrow Dry open pine or oak woods; nests on the ground in dense cover.	S1B	G3	E	--
<i>Aneides aeneus</i>	Green Salamander Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	S3S4	G3G4	--	--
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Etheostoma olivaceum</i>	Sooty Darter Small streams with slabrock on limestone bedrock; Nashville Basin tribs to Cumberland & lower Caney Fork rivers.	S3	G3	D	--
<i>Hemidactylium scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Ixobrychus exilis</i>	Least Bittern Marshes with scattered bushes or other woody growth; readily uses artificial wetland habitats.	S2B	G5	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Notropis rupestris</i>	Bedrock Shiner Bedrock pools of some low-gradient streams of the Nashville Basin.	S2	G2	D	--
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Putnam County . . . Continued

Known Species: 55

Vertebrate Animals: 17 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Putnam --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Rhea County

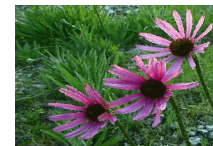
Known Species: 34

Invertebrate Animals: 9		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cyrogenia stegaria</i>	Fanshell Medium to large streams and rivers with coarse sand and gravel substrates; Cumberland and Tennessee river systems.	S1	G1Q	E	LE
<i>Dromus dromas</i>	Dromedary Pearlymussel Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.	S1	G1	E	LE
<i>Lampsilis abrupta</i>	Pink Mucket Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	S2	G2	E	LE
<i>Nesticus dilutus</i>	Grassy Creek Cave Spider Terrestrial cave obligate; Rhea County.	S1	G1	--	--
<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.	S1	G1	E	LE
<i>Pleurobema oviforme</i>	Tennessee Clubshell Small, shallow streams & rivers with good current & coarse gravel/sand substrates; Tennessee & Cumberland river systems.	S2S3	G2G3	--	--
<i>Pleurobema plenum</i>	Rough Pigtoe Medium to large rivers in sand, gravel, and cobble substrates of shoals; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Pleurobema rubrum</i>	Pyramid Pigtoe Rivers with strong current and firm sand/gravel substrates; TN & Cumb river systems incl KY Reservoir; W Uplands & W Highland Rim.	S1S2	G2G3	--	--
<i>Pseudanophthalmus nortoni</i>	Norton's Cave Beetle Terrestrial cave obligate; Ridge & Valley.	S1	G1	--	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 10		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aureolaria patula</i>	Spreading False-foxglove Oak Woods And Edges	S3	G3	S	--
<i>Diamorpha smallii</i>	Small's Stonecrop Sandstone Outcrops	S1S2	G4	E	--
<i>Gelsemium sempervirens</i>	Yellow Jessamine Dry Openings	S1S2	G5	S	--
<i>Lathyrus palustris</i>	Marsh Pea Wet Woods & Marshes	S1	G5	S	--
<i>Liatris cylindracea</i>	Slender Blazing-star Barrens	S2	G5	T	--
<i>Polygala nana</i>	Dwarf Milkwort Wet Acidic Barrens	S1	G5	E	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Rhea County . . . Continued

Known Species: 34

Vascular Plants: 10 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ribes curvatum</i>	Granite Gooseberry Rocky Woods	S1	G4	T	--
<i>Solidago ptarmicoides</i>	Prairie Goldenrod Barrens	S1S2	G5	E	--
<i>Talinum mengesii</i>	Menge's Fame-flower Dry Rock Ledges	S2	G3	T	--
<i>Talinum teretifolium</i>	Roundleaf Fameflower Dry Sandy Rock Outcrops	S2	G4	T	--
Vertebrate Animals: 14		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aimophila aestivalis</i>	Bachman's Sparrow Dry open pine or oak woods; nests on the ground in dense cover.	S1B	G3	E	--
<i>Erimonax monachus</i>	Spotfin Chub Clear upland rivers with swift currents & boulder substrates; portions of the Tennessee River watershed.	S2	G2	T	LT,XN, PXN
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis leibii</i>	Eastern Small-footed Myotis Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.	S2S3	G3	D	--
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--
<i>Phoxinus saylora</i>	Laurel Dace Cool 1st-2nd order streams with slabrock and rubble substrate; Walden Ridge of the Cumberland Plateau; Tennessee River watershed.	S1	G1	E	C
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Spilogale putorius</i>	Eastern Spotted Skunk Rocky outcrops, open prairies, brushy areas, cultivated fields, and barnyards; more common in east Tennessee; reclusive.	S3	G5	--	--
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Rhea County . . . Continued

Known Species: 34

Vertebrate Animals: 14 . . . Continued

St. Rank

Global Rank

St. Prot.

Fed. Prot.

Zapus hudsonius

Meadow Jumping Mouse

S4

G5

D

No Status

Open grassy fields; often abundant in thick vegetation near water bodies; statewide.

-- End of Rhea --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Roane County

Known Species: 75

Invertebrate Animals: 11	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Caecidotea incurva</i>	Incurved Cave Isopod S1	G2G4	--	--
Aquatic cave obligate; known from two wet caves in east Tennessee.				
<i>Cambarus deweesae</i>	Valley Flame Crayfish S1	G4	E	--
Primary burrower; open areas with high water tables; northern Ridge & Valley.				
<i>Fusconaia cor</i>	Shiny Pigtoe S1	G1	E	LE
Shoals and riffles of small-medium sized rivers with mod-fast current over sand-cobble substrates; upper Tennessee River watershed.				
<i>Fusconaia cuneolus</i>	Finerayed Pigtoe S1	G1	E	LE
Riffles of fords and shoals of mod gradient streams in firm cobble and gravel substrates; middle & upper Tennessee River watershed.				
<i>Io fluvialis</i>	Spiny Riversnail S2	G2	--	--
Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.				
<i>Lampsilis abrupta</i>	Pink Mucket S2	G2	E	LE
Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.				
<i>Lampsilis virescens</i>	Alabama Lampmussel S1	G1	E	LE
Found in sand and gravel substrates in shoal areas of small-medium size rivers; middle and upper TN R system; poss extirpated in TN.				
<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback S1	G1	E	LE
Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.				
<i>Pleurobema rubrum</i>	Pyramid Pigtoe S1S2	G2G3	--	--
Rivers with strong current and firm sand/gravel substrates; TN & Cumb river systems incl KY Reservoir; W Uplands & W Highland Rim.				
<i>Quadrula cylindrica strigillata</i>	Rough Rabbitsfoot S2	G3G4T2	E	LE
Small-medium sized rivers, in clear, shallow riffles with sand-gravel substrates; Tenn. & Cumb. river systems; upland form.				
<i>Villosa perpurpurea</i>	Purple Bean S1	G1	E	LE
Creeks to medium-sized rivers, headwaters, in riffles with coarse sand & gravel & some silt; upper Tennessee River watershed.				
Nonvascular Plants: 2	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Myurella julacea</i>	Shale Bluffs SH	G5	S-P	--
<i>Preissia quadrata</i>	Seepy Limestone Cliffs And Bluffs S1	G5	T	--
Other Types: 1	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery SNR	GNR	--	--
Vascular Plants: 37	St. Rank	Global Rank	St. Prot.	Fed. Prot.



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Roane County . . . Continued

Known Species: 75

Vascular Plants: 37 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Agalinis auriculata</i>	Earleaved False-foxglove Barrens	S2	G3	E	--
<i>Asplenium scolopendrium</i> var. <i>americanum</i>	Hart's-tongue Fern Sinks	S1	G4T3	E	LT
<i>Aureolaria patula</i>	Spreading False-foxglove Oak Woods And Edges	S3	G3	S	--
<i>Bolboschoenus fluviatilis</i>	River Bulrush Marshes	S1	G5	S	--
<i>Carex gravida</i>	Heavy Sedge Rocky River Bluffs	S1	G5	S	--
<i>Carex oxylepis</i> var. <i>pubescens</i>	Hairy Sharp-scaled Sedge Wooded Bluffs, Floodplains	S1	G5?T3	S	--
<i>Cimicifuga rubifolia</i>	Appalachian Bugbane Rich Woods	S3	G3	T	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Delphinium exaltatum</i>	Tall Larkspur Glades And Barrens	S2	G3	E	--
<i>Diervilla lonicera</i>	Northern Bush-honeysuckle Rocky Woodlands And Bluffs	S2	G5	T	--
<i>Diervilla sessilifolia</i> var. <i>rivularis</i>	Mountain Bush-honeysuckle Dry Cliffs And Bluffs	S2	G3	T	--
<i>Draba ramosissima</i>	Branching Whitlow-grass Calcareous Bluffs	S2	G4	S	--
<i>Elodea nuttallii</i>	Nuttall's Waterweed Aquatic; Streams And Ponds	S2	G5	S	--
<i>Erysimum capitatum</i>	Western Wallflower Rocky Bluffs	S1S2	G5	E	--
<i>Eurybia schreberi</i>	Schreber's Aster Mesic Woods & Seepage Slopes	S1	G4	S	--
<i>Helianthus occidentalis</i>	Naked-stem Sunflower Limestone Glades And Barrens; Roadsides	S2	G5	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Juncus brachycephalus</i>	Small-headed Rush Seeps And Wet Bluffs	S2	G5	S	--
<i>Leucothoe racemosa</i>	Fetter-bush Acidic Wetlands And Swamps	S2	G5	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Roane County . . . Continued

Known Species: 75

Vascular Plants: 37 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Liatris cylindracea</i>	Slender Blazing-star Barrens	S2	G5	T	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Liparis loeselii</i>	Fen Orchis Calcareous Seeps	S1	G5	T	--
<i>Lonicera dioica</i>	Mountain Honeysuckle Mountain Woods And Thickets	S2	G5	S	--
<i>Marshallia grandiflora</i>	Large-fl. Barbara's-buttons Rocky River Bars	S2	G2	E	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Pedicularis lanceolata</i>	Swamp Lousewort Wet Acidic Barrens And Seeps	S1S2	G5	S	--
<i>Platanthera flava var. herbiola</i>	Tubercled Rein-orchid Swamps And Floodplains	S2	G4T4Q	T	--
<i>Platanthera integrilabia</i>	White Fringeless Orchid Acidic Seeps And Stream Heads	S2S3	G2G3	E	C
<i>Pseudognaphalium helleri</i>	Heller's Catfoot Dry Sandy Woods	S2	G4G5	S	--
<i>Ruellia purshiana</i>	Pursh's Wild-petunia Dry Woods	S1S2	G3	S	--
<i>Solidago ptarmicoides</i>	Prairie Goldenrod Barrens	S1S2	G5	E	--
<i>Spiraea virginiana</i>	Virginia Spiraea Stream Bars And Ledges	S2	G2	E	LT
<i>Spiranthes lucida</i>	Shining Ladies'-tresses Alluvial Woods And Moist Slopes	S1S2	G5	T	--
<i>Symphotrichum pratense</i>	Barrens Silky Aster Barrens	S1	G4?	E	--
<i>Thuja occidentalis</i>	Northern White Cedar Calcareous Rocky Seeps, Cliffs	S3	G5	S	--
<i>Viola tripartita var. tripartita</i>	Three-parted Violet Wooded Slopes	S2S3	G5T3	S	--

Vertebrate Animals: 24		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Accipiter striatus</i>	Sharp-shinned Hawk Forests and open woodlands.	S3B,S4N	G5	D	No Status
<i>Aimophila aestivalis</i>	Bachman's Sparrow Dry open pine or oak woods; nests on the ground in dense cover.	S1B	G3	E	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Roane County . . . Continued

Known Species: 75

Vertebrate Animals: 24 . . . Continued	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aneides aeneus</i> Green Salamander Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	S3S4	G3G4	--	--
<i>Cryptobranchus alleganiensis</i> Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Cycleptus elongatus</i> Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Erimonax monachus</i> Spotfin Chub Clear upland rivers with swift currents & boulder substrates; portions of the Tennessee River watershed.	S2	G2	T	LT, XN, PXN
<i>Gyrinophilus gulolineatus</i> Berry Cave Salamander Aquatic cave obligate; Ridge & Valley; formerly included with <i>G. pallescens</i> .	S1	G1Q	T	--
<i>Haliaeetus leucocephalus</i> Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Hemidactylium scutatum</i> Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Hemitremia flammea</i> Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Limnothlypis swainsonii</i> Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Myotis grisescens</i> Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Napaeozapus insignis</i> Woodland Jumping Mouse Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	S4	G5	D	--
<i>Ophisaurus attenuatus longicaudus</i> Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Percina aurantiaca</i> Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--
<i>Phoxinus tennesseensis</i> Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--
<i>Pituophis melanoleucus melanoleucus</i> Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Sorex cinereus</i> Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--
<i>Sorex dispar</i> Long-tailed Shrew Mountainous, forested areas with loose talus; east Tennessee.	S2	G4	D	--
<i>Sorex fumeus</i> Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Roane County . . . Continued

Known Species: 75

Vertebrate Animals: 24 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Spilogale putorius</i>	Eastern Spotted Skunk Rocky outcrops, open prairies, brushy areas, cultivated fields, and barnyards; more common in east Tennessee; reclusive.	S3	G5	--	--
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Roane --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Robertson County

Known Species: 20

Invertebrate Animals: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Lithasia salebrosa</i>	Muddy Rocksnail Formerly occurred in portions of lower Cumberland and lower Tennessee systems; may be limited to dam tailwaters currently.	S2	G3G4Q	--	--
<i>Orconectes pellucidus</i>	Mammoth Cave Crayfish Aquatic cave obligate; subterranean streams & pools of Penneroyal Plain; Montgomery & Robertson counties.	S3	G4	--	--
<i>Pseudanophthalmus loganensis</i>	A Cave Obligate Beetle Terrestrial cave obligate; Western Highland Rim.	S1S2	G2G3	--	--
Vascular Plants: 8		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Astragalus tennesseensis</i>	Tennessee Milk-vetch Glades	S3	G3	S	--
<i>Carex buxbaumii</i>	Brown Bog Sedge Swamps	S1	G5	T	--
<i>Helianthus eggertii</i>	Eggert's Sunflower Barrens And Roadsides	S3	G3	S	DM
<i>Leucothoe racemosa</i>	Fetter-bush Acidic Wetlands And Swamps	S2	G5	T	--
<i>Ranunculus aquatilis var. diffusus</i>	White Water-buttercup Ponds And Streams	S1	G5T5	E	--
<i>Ranunculus flabellaris</i>	Yellow Water-crowfoot Ponds And Marshes	S2	G5	T	--
<i>Spiranthes odorata</i>	Sweetscent Ladies'-tresses Swamps, Pond Margins	S1	G5	E	--
<i>Torreyochloa pallida</i>	Pale Manna Grass Pond And Stream Margins	S1	G5	S	--
Vertebrate Animals: 9		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Etheostoma cinereum</i>	Ashy Darter Small to medium upland rivers with bedrock or gravel substrate and boulders.	S2S3	G2G3	T	--
<i>Etheostoma microlepidum</i>	Smallscale Darter Small rivers, in deep, strongly flowing riffles with gravel, boulder, and coarse rubble substrates; Cumberland River drainage.	S2	G2G3	D	--
<i>Etheostoma tippecanoe</i>	Tippecanoe Darter Medium to large rivers in shallow riffle areas containing fine cherty gravel; Cumberland River watershed.	S1S2	G3G4	D	--
<i>Hemidactylium scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Hyla gratiosa</i>	Barking Treefrog Low wet woods and swamps esp. with ephemeral ponds.	S3	G5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Robertson County . . . Continued

Known Species: 20

Vertebrate Animals: 9 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Percina phoxocephala</i>	Slenderhead Darter Small-large rivers with moderate gradient in shoal areas with moderate-swift currents; portions of Tenn & Cumb river watersheds.	S3	G5	D	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Robertson --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Rutherford County **Known Species: 78**

Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Nashville Basin Limestone Glade</i>	Nashville Basin Limestone Glade, Barrens, and Woodland	SNR	GNR	--	--
Ecological Systems: 2		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Dalea foliosa</i> - <i>Mecardonia acuminata</i> - <i>Mitreola petiolata</i> Herbaceous Vegetation	Limestone Glade Streamside Meadow	S2?	G2?	--	--
<i>Eleocharis compressa</i> - <i>Schoenolirion croceum</i> - <i>Carex crawei</i> - <i>Allium cernuum</i> Herbaceous Vegetation	Central Basin Limestone Seep Glade	SNR	G2?	--	--
Invertebrate Animals: 5		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Epioblasma florentina walkeri</i>	Tan Riffleshell Found in river headwaters, in riffles and shoals in sand and gravel substrates; Tennessee & Cumberland river systems.	S1	G1T1	E	LE
<i>Pegias fabula</i>	Littlewing Pearlymussel Cool, clear, high-gradient streams in sand, gravel, and cobble substrates, riffles; portions of Cumberland & upper Tenn. river systems.	S1	G1	E	LE
<i>Pseudanophthalmus acherontis</i>	Echo Cave Beetle Terrestrial cave obligate; Central Basin; reported from Wilson & Rutherford counties.	S1	G1	--	--
<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot Large rivers in sand and gravel; Tennessee & Cumberland systems; big river form of Q. cylindrica.	S3	G3G4T3	--	--
<i>Simpsonaias ambigua</i>	Salamander Mussel 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.	S1	G3	--	--
Nonvascular Plants: 2		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cololejeunea ornata</i>	Ornate Cololejeunea Sinks & High Humidity Areas On Limestone	S1	G2G4	T	--
<i>Lejeunea sharpii</i>	Sharp's Lejeunea Calcareous Bluffs, Rock & Logs Of Wet Sinks	S1S2	G2G3	E	--
Vascular Plants: 51		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acmella oppositifolia</i>	Creeping Spot-flower Swamps And Wetlands	S3	G5	S	--
<i>Allium burdickii</i>	Narrow-leaf Ramps Rich Woods	S1S2	G4G5	T-CE	--
<i>Allium stellatum</i>	Glade Onion Glades	S1	G5	E	--
<i>Ammoselinum popei</i>	Pope's Sand-parsley Glades	S2	G4	T	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Rutherford County . . . Continued

Known Species: 78

Vascular Plants: 51 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Amsonia tabernaemontana</i> var. <i>gattingeri</i>	Limestone Blue Star Glades, Barrens, And Rocky River Bars	S3	G5T3Q	S	--
<i>Anemone caroliniana</i>	Carolina Anemone Glades And Cedar Woodlands	S1S2	G5	E	--
<i>Arabis glabra</i>	Tower-mustard Barrens And Open Floodplains	S1	G5	S	--
<i>Arabis hirsuta</i>	Western Hairy Rockcress Glades And Limestone Bluffs	S1	G5	T	--
<i>Arabis perstellata</i>	Braun's Rockcress Limestone Bluffs	S1	G2	E	LE
<i>Arnoglossum plantagineum</i>	Fen Indian-plantain Moist Prairies And Marshes	S2	G4G5	T	--
<i>Astragalus bibullatus</i>	Pyne's Ground-plum Ordovician Limestone Glades	S1	G1	E	LE
<i>Astragalus tennesseensis</i>	Tennessee Milk-vetch Glades	S3	G3	S	--
<i>Carex davisii</i>	Davis' Sedge Bottomlands, Riparian Soils	S1	G4	S	--
<i>Carex oxylepis</i> var. <i>pubescens</i>	Hairy Sharp-scaled Sedge Wooded Bluffs, Floodplains	S1	G5?T3	S	--
<i>Dalea candida</i>	White Prairie-clover Barrens	S2	G5	S	--
<i>Dalea foliosa</i>	Leafy Prairie-clover Rocky Washes In Glades	S2S3	G2G3	E	LE
<i>Dalea purpurea</i>	Purple Prairie-clover Barrens	S1	G5	E	--
<i>Echinacea pallida</i>	Pale-purple Coneflower Barrens And Dry Openings	S1	G4	T	--
<i>Echinacea simulata</i>	Wavy-leaf Purple Coneflower Glades And Barrens	S2	G3	T	--
<i>Echinacea tennesseensis</i>	Tennessee Coneflower Ordovician Limestone Glades	S2	G2	E	LE
<i>Eleocharis compressa</i>	Flat-stemmed Spike-rush Wet Limestone Glades	S1	G4	S	--
<i>Eleocharis equisetoides</i>	Horse-tail Spike-rush Pond Edges And Open Wetlands	S1	G4	E	--
<i>Eleocharis wolfii</i>	Wolf Spike-rush Wet Woods On Floodplains	S1	G3G4	E	--
<i>Evolvulus nuttallianus</i>	Evolvulus Glades	S3	G5	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Rutherford County . . . Continued

Known Species: 78

Vascular Plants: 51 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Fimbristylis puberula</i>	Hairy Fimbristylis Wet Prairies And Woods	S1S2	G5	T	--
<i>Gentiana puberulenta</i>	Downy Gentian Barrens	S1	G4G5	E	--
<i>Helianthus occidentalis</i>	Naked-stem Sunflower Limestone Glades And Barrens; Roadsides	S2	G5	S	--
<i>Isoetes melanopoda</i>	Blackfoot Quillwort Wet Fields	S1S2	G5	E	--
<i>Leavenworthia exigua var. exigua</i>	Glade-cress Glades	S3	G4T3	S	--
<i>Lesquerella densipila</i>	Duck River Bladderpod Cultivated Fields	S3	G3	T	--
<i>Lesquerella stonensis</i>	Stones River Bladderpod Cultivated Fields	S1	G1	E	--
<i>Liatris cylindracea</i>	Slender Blazing-star Barrens	S2	G5	T	--
<i>Mirabilis albida</i>	Pale Umbrella-wort Glades	S2	G5	T	--
<i>Neviusia alabamensis</i>	Alabama Snow-wreath Upland Woods	S2	G2	T	--
<i>Oenothera macrocarpa</i>	Missouri Primrose Limestone Cedar Glades	S2	G5	T	--
<i>Onosmodium molle ssp. subsetosum</i>	Smooth False Gromwell Limestone Woods	S1	G4G5T4?	E	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Phlox bifida ssp. stellaria</i>	Glade Cleft Phlox Glades	S3	G5?T3	T	--
<i>Polygala boykinii</i>	Boykin's Milkwort Glades	S2	G4	T	--
<i>Sagittaria platyphylla</i>	Ovate-leaved Arrowhead Swamps, Emergent	S2S3	G5	S	--
<i>Schoenolirion croceum</i>	Yellow Sunnybell Wet Areas In Glades	S3	G4	T	--
<i>Scleria verticillata</i>	Low Nutrush Wet Prairies And Fens	S2	G5	S	--
<i>Silphium pinnatifidum</i>	Southern Prairie-dock Barrens	S2	G3Q	T	--
<i>Solidago gattingeri</i>	Gattinger's Goldenrod Glades	S1	G3?Q	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Rutherford County . . . Continued

Known Species: 78

Vascular Plants: 51 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Sporobolus heterolepis</i>	Northern Dropseed Limestone Glades And Barrens	S1	G5	S	--
<i>Stellaria fontinalis</i>	Water Stitchwort Seeps And Limestone Creek Beds	S3	G3	T	--
<i>Symphotrichum praealtum</i>	Willow Aster Moist Prairies And Marshes	S1	G5	E	--
<i>Talinum calcaricum</i>	Limestone Fame-flower Glades	S3	G3	S	--
<i>Trifolium calcaricum</i>	Running Glade Clover Glades, Cedar Woods, And Thickets	S1	G1	E	--
<i>Veronica catenata</i>	Sessile Water-speedwell Slow Flowing Streams And Ditches	S1	G5	E	--
<i>Zanthoxylum americanum</i>	Northern Prickly-ash Cedar Thickets	S2	G5	S	--

Vertebrate Animals: 17		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ambystoma barbouri</i>	Streamside Salamander Seasonally ephemeral karst streams; middle Tennessee.	S2	G4	D	--
<i>Chondestes grammacus</i>	Lark Sparrow Open habitats with scattered bushes and trees, prairie, cultivated areas, fields with bushy borders; ground nester.	S1B	G5	T	--
<i>Etheostoma cinereum</i>	Ashy Darter Small to medium upland rivers with bedrock or gravel substrate and boulders.	S2S3	G2G3	T	--
<i>Etheostoma luteovinctum</i>	Redband Darter Limestone streams; Nashville Basin & portions of Highland Rim.	S4	G4	D	--
<i>Etheostoma microlepidum</i>	Smallscale Darter Small rivers, in deep, strongly flowing riffles with gravel, boulder, and coarse rubble substrates; Cumberland River drainage.	S2	G2G3	D	--
<i>Etheostoma striatulum</i>	Striated Darter Bedrock pools of headwaters and creeks with large slabrock cover; upper Duck River watershed.	S1	G1	T	--
<i>Etheostoma tippecanoe</i>	Tippecanoe Darter Medium to large rivers in shallow riffle areas containing fine cherty gravel; Cumberland River watershed.	S1S2	G3G4	D	--
<i>Gyrinophilus palleucus</i>	Tennessee Cave Salamander Aquatic cave obligate; cave streams & rimstone pools; Central Basin, Eastern Highland Rim, & Cumberland Plateau.	S2	G2G3	T	--
<i>Moxostoma lacerum</i>	Harelip Sucker Medium to large, warm, sluggish streams with relatively low turbidity and silt levels; presumed extinct.	SX	GX	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Rutherford County . . . Continued

Known Species: 78

Vertebrate Animals: 17 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Notropis rupestris</i>	Bedrock Shiner Bedrock pools of some low-gradient streams of the Nashville Basin.	S2	G2	D	--
<i>Percina phoxocephala</i>	Slenderhead Darter Small-large rivers with moderate gradient in shoal areas with moderate-swift currents; portions of Tenn & Cumb river watersheds.	S3	G5	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Rutherford --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Scott County

Known Species: 65

Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heuchera parviflora</i> var. <i>parviflora</i> - <i>Trichomanes boschianum</i> - <i>Thalictrum mirabile</i> - (<i>Ageratina luciae-brauniae</i> , <i>Solidago albopilosa</i>) Herbaceous Vegetation	Cumberland Plateau Sandstone Rockhouse	SNR	G2	--	--
Invertebrate Animals: 6		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Alasmidonta atropurpurea</i>	Cumberland Elktoe Small creeks to medium-sized rivers with slow current, sand substrates, and large cobble; upper Cumberland River watershed.	S1S2	G1G2	E	LE
<i>Cambarus bouchardi</i>	Big South Fork Crayfish Small to medium sized streams under rock cover; Roaring Paunch Creek & tributaries (Big South Fork watershed); tertiary burrower.	S1	G2G3	E	--
<i>Epioblasma brevidens</i>	Cumberlandian Combshell Large creeks to large rivers, in coarse sand or mixtures of gravel, cobble, or rocks; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Epioblasma florentina walkeri</i>	Tan Riffleshell Found in river headwaters, in riffles and shoals in sand and gravel substrates; Tennessee & Cumberland river systems.	S1	G1T1	E	LE
<i>Pegias fabula</i>	Littlewing Pearlymussel Cool, clear, high-gradient streams in sand, gravel, and cobble substrates, riffles; portions of Cumberland & upper Tenn. river systems.	S1	G1	E	LE
<i>Villosa trabalis</i>	Cumberland Bean Riffle areas of small rivers & streams in sand, gravel, & cobble substrates with swift current; upper Cumb. & upper Tenn. river systems.	S1	G1	E	LE
Nonvascular Plants: 4		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Bryoxiphium norvegicum</i>	Sword Moss Sandstone Rockhouses And Shaded Outcroppings	S1	G5?	T	--
<i>Lejeunea blomquistii</i>	Blomquist Leafy Liverwort Mid Elev. Gorges On Rock Or Bark	S1S2	G1G2	S	--
<i>Microlejeunea globosa</i>	Cardot's Lejeunea Creekside Edge Of Rockhouse	S1	G3?	S	--
<i>Pellia appalachiana</i>	Wet Soil, Barrens	S2	G4	S	--
Vascular Plants: 37		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ageratina luciae-brauniae</i>	Lucy Braun's White Snakeroot Rockhouses	S3	G3	T	--
<i>Berberis canadensis</i>	American Barberry Rocky Woods And River Bars	S2	G3	S	--
<i>Botrychium jenmanii</i>	Alabama Grapefern Pine Woods	S1	G3G4	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Scott County . . . Continued

Known Species: 65

Vascular Plants: 37 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Buckleya distichophylla</i>	Piratebush Rocky Mountain Woods W/ Hemlock	S2	G2	T	--
<i>Calamovilfa arcuata</i>	Cumberland Sandgrass Rocky And Sandy River Bars	S2	G2	E	--
<i>Cardamine rotundifolia</i>	Round-leaf Watercress Mucky Wetlands And Seeps	S2S3	G4	S	--
<i>Carex echinata ssp. echinata</i>	Little Prickly Sedge Swamps And Bogs	S1?	G5T5	S	--
<i>Chrysogonum virginianum</i>	Green-and-gold Dry Woods And Openings	S2	G5	T	--
<i>Comptonia peregrina</i>	Sweet-fern Rocky, Sandy Stream-Sides	S1	G5	E	--
<i>Conradina verticillata</i>	Cumberland Rosemary Sandy, Rocky River Banks And Bars	S3	G3	T	LT
<i>Corallorhiza maculata</i>	Spotted Coralroot Shady, Moist Woods	S1	G5	T	--
<i>Corydalis sempervirens</i>	Pale Corydalis Dry Or Rocky Woods	S1S2	G4G5	E	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Cypripedium kentuckiense</i>	Southern Lady's-slipper Riparian Forests	S2	G3	E	--
<i>Dichanthelium ensifolium ssp. ensifolium</i>	Small-leaved Panicgrass Moist Pine Barrens	S2	GNR	S	--
<i>Eriophorum virginicum</i>	Tawny Cotton-grass Bogs	S1S2	G5	E	--
<i>Eurybia saxicastellii</i>	Rockcastle Aster Rocky River Bars	S1S2	G1G2	E	--
<i>Fothergilla major</i>	Mountain Witch-alder Rocky Slopes And River Banks	S2	G3	T	--
<i>Helenium brevifolium</i>	Shortleaf Sneezeweed Rocky, Sandy Streamsides	S1	G4	E	--
<i>Hexastylis virginica</i>	Virginia Heartleaf Sandy Or Rocky Woods	S2	G4	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Hydrocotyle americana</i>	American Water-pennywort Wet Soils And Pools	S1	G5	E	--
<i>Hymenophyllum tayloriae</i>	Taylor's Filmy Fern Moist Rockhouses	S2	G2	S	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Scott County . . . Continued

Known Species: 65

Vascular Plants: 37 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lilium philadelphicum</i>	Wood Lily Dry Openings, Powerlines	S1	G5	E	--
<i>Marshallia grandiflora</i>	Large-fl. Barbara's-buttons Rocky River Bars	S2	G2	E	--
<i>Minuartia cumberlandensis</i>	Cumberland Sandwort Rockhouses	S2	G2G3	E	LE
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Potamogeton tennesseensis</i>	Tennessee Pondweed Slow Acidic Streams	S2	G2	T	--
<i>Solidago arenicola</i>	Southern racemose goldenrod Rocky River Bars	S1S2	GNR	T	--
<i>Spiraea virginiana</i>	Virginia Spiraea Stream Bars And Ledges	S2	G2	E	LT
<i>Talinum teretifolium</i>	Roundleaf Fameflower Dry Sandy Rock Outcrops	S2	G4	T	--
<i>Taxus canadensis</i>	American Yew Sandstone Outcrops	S1	G5	E	--
<i>Thalictrum coriaceum</i>	Leatherleaf Meadowrue Alluvial Woods And Moist Bluffs	S1	G4	T	--
<i>Thuja occidentalis</i>	Northern White Cedar Calcareous Rocky Seeps, Cliffs	S3	G5	S	--
<i>Trichomanes boschianum</i>	Bristle-fern Rocky Seeps	S1S2	G4	T	--
Vertebrate Animals: 17		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Desmognathus welteri</i>	Black Mountain Salamander Spring runs and permanent streams in wooded mountainous terrain; northern Cumberlands.	S3	G4	D	--
<i>Etheostoma baileyi</i>	Emerald Darter Creeks and small rivers with riffles containing gravel or rubble; upper Cumberland drainage.	S2	G4G5	D	--
<i>Etheostoma cinereum</i>	Ashy Darter Small to medium upland rivers with bedrock or gravel substrate and boulders.	S2S3	G2G3	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Scott County . . . Continued

Known Species: 65

Vertebrate Animals: 17 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Etheostoma percnurum</i>	Duskytail Darter Gently flowing pools near riffles; larger creeks and medium size rivers; Tennessee & Cumberland river drainages.	S1	G2	E	LE,XN
<i>Etheostoma sagitta</i>	Arrow Darter Smaller streams of northern Cumberland Plateau & Cumberland Mountains; Cumberland River watershed.	S2	G3G4	D	--
<i>Etheostoma susanae</i>	Cumberland Darter Creeks in the upper Cumberland River watershed of the Cumberland Mountains; extremely rare.	S1	G1G2	E	C
<i>Etheostoma tippecanoe</i>	Tippecanoe Darter Medium to large rivers in shallow riffle areas containing fine cherty gravel; Cumberland River watershed.	S1S2	G3G4	D	--
<i>Hemidactylium scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Napaeozapus insignis</i>	Woodland Jumping Mouse Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	S4	G5	D	--
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Notropis rubellus</i>	Rosyface Shiner Clear, swift, large creeks with bottoms of clean gravel or rubble; trips to Cumberland River upst Cumberland Falls.	S2	G5	D	--
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Phoxinus cumberlandensis</i>	Blackside Dace Small upland tributaries with sand, sandstone, and shale substrates in unsilted conditions; upper Cumberland R. watershed.	S2	G2	T	LT
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--
<i>Vermivora chrysoptera</i>	Golden-winged Warbler Early successional habitats in foothill regions of Appalachians.	S3B	G4	D	--

-- End of Scott --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Sequatchie County

Known Species: 25

Invertebrate Animals: 4		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cambarus hamulatus</i>	Prickly Cave Crayfish Aquatic cave obligate; Sequatchie Valley & southern Cumberlands.	S3	G3G4	--	--
<i>Cambarus pristinus</i>	Pristine Crayfish Under cover in small-large size streams; headwaters of Caney Fork River & abutting Sequatchie River tributaries; Cumberland Plateau.	S2	G2	E	--
<i>Litocampa sp. 5</i>	A Cave Dipluran From TN Terrestrial cave obligate, Cumberland Plateau escarpment.	S1	G2	--	--
<i>Pseudosinella christianseni</i>	A Cave Obligate Springtail Terrestrial cave obligate; portions of Cumberland Plateau & Sequatchie Valley.	S2	G5	--	--
Vascular Plants: 15		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cyperus plukenetii</i>	Plukenet's Galingale Sandy Barrens	SH	G5	S	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Diamorpha smallii</i>	Small's Stonecrop Sandstone Outcrops	S1S2	G4	E	--
<i>Dichanthelium ensifolium ssp. curtifolium</i>	Short-leaved Panic Grass Boggy Areas	S1	G3?	E	--
<i>Diervilla sessilifolia var. rivularis</i>	Mountain Bush-honeysuckle Dry Cliffs And Bluffs	S2	G3	T	--
<i>Glyceria acutiflora</i>	Sharp-scaled Mannagrass Swamps,Ponds	S2	G5	S	--
<i>Helianthus eggertii</i>	Eggert's Sunflower Barrens And Roadsides	S3	G3	S	DM
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Platanthera integrilabia</i>	White Fringeless Orchid Acidic Seeps And Stream Heads	S2S3	G2G3	E	C
<i>Pogonia ophioglossoides</i>	Rose Pogonia Wet Acidic Barrens	S2	G5	E	--
<i>Sabatia capitata</i>	Cumberland Rose Gentian Dry Open Woods, Powerlines	S2	G2	E	--
<i>Scutellaria montana</i>	Large-flowered Skullcap Escarpments, Dry Woods	S2	G3	T	LT
<i>Spiraea virginiana</i>	Virginia Spiraea Stream Bars And Ledges	S2	G2	E	LT



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Sequatchie County . . . Continued

Known Species: 25

Vascular Plants: 15 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Woodwardia virginica</i>	Virginia Chainfern Acidic Wetlands	S2	G5	S	--
Vertebrate Animals: 6		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Gyrinophilus palleucus</i>	Tennessee Cave Salamander Aquatic cave obligate; cave streams & rimstone pools; Central Basin, Eastern Highland Rim, & Cumberland Plateau.	S2	G2G3	T	--
<i>Hemidactylum scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--

-- End of Sequatchie --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Sevier County

Known Species: 125

Ecological Systems: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Central and Southern Appalachian Spruce-Fir Forest</i>	Red Spruce - Fraser Fir Forest	SNR	GNR	--	--
<i>Southern Appalachian Grass and Shrub Bald</i>	Southern Appalachian Grass and Shrub Bald	SNR	GNR	--	--
<i>Southern Appalachian Spray Cliff</i>	Southern Appalachian Spray Cliff	SNR	GNR	--	--
Invertebrate Animals: 11		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Allocapnia brooksi</i>	Sevier Snowfly Small-medium size creeks; northern Ridge & Valley and adj. Blue Ridge; upper Tennessee River watershed.	S2	G2	--	--
<i>Cyprogenia stegaria</i>	Fanshell Medium to large streams and rivers with coarse sand and gravel substrates; Cumberland and Tennessee river systems.	S1	G1Q	E	LE
<i>Dromus dromas</i>	Dromedary Pearlymussel Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.	S1	G1	E	LE
<i>Epioblasma capsaeformis</i>	Oyster Mussel Shallow riffles in mod-swift current of small-medium rivers with coarse sand and gravel; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Microhexura montivaga</i>	Spruce-fir Moss Spider Moss mats in high-elevation spruce-fir forests; Southern Appalachians.	S1	G1	--	LE
<i>Obovaria retusa</i>	Ring Pink Large rivers in gravel and sand bars; Tennessee & Cumberland river watersheds; many historic locations currently inundated.	S1	G1	E	LE
<i>Paravitrea clappi</i>	Mirey Ridge Supercoil In moist leaf litter generally above 5,000 ft; Blue Ridge; Blount & Sevier counties; Great Smoky Mountains NP.	S2S3	G2G3	--	--
<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.	S1	G1	E	LE
<i>Plethobasus cyphus</i>	Sheepnose Large to medium-sized rivers, in riffles and coarse sand/gravel subst; TN & Cumb river systems incl KY Reservoir; W Uplands & Rim.	S2S3	G3	--	C
<i>Pleurobema plenum</i>	Rough Pigtoe Medium to large rivers in sand, gravel, and cobble substrates of shoals; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot Large rivers in sand and gravel; Tennessee & Cumberland systems; big river form of Q. cylindrica.	S3	G3G4T3	--	--
Nonvascular Plants: 24		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acrobolbus ciliatus</i>	A Liverwort Spruce-Fir Forests And Moist Ravines On Rock	S1	G3?	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Sevier County . . . Continued

Known Species: 125

Nonvascular Plants: 24 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Anastrophyllum saxicola</i>	A Liverwort High Elev. Rocky Peat; Heath & Wet Rocks	S1	G3G4	S	--
<i>Bazzania nudicaulis</i>	A Liverwort Bark Of Mature Fraser Fir	S2	G2G3	T	--
<i>Brachydontium trichodes</i>	Peak Moss High Elev. Seeps And Rocky Areas	S1	G2G4	E	--
<i>Cephaloziella massalongi</i>	A Liverwort Montaine Rock Crevices High In Copper Or Sulphur	S1	G3G5	E	--
<i>Cephaloziella spinicaulis</i>	Crevices Of Rock Outcrops	S1	G3G4	S	--
<i>Entodon concinnus</i>	Lime Entodon Moist Calcareous Rocks	S1	G4G5	S	--
<i>Grimmia olneyi</i>	Grimmia Moss High Elev. Dry Rocks And Cliffs	SH	G3G5	S	--
<i>Gymnomitrium laceratum</i>	A Liverwort Peaty Soil Of Spruce-Fir Forests	S1	G3G5	T	--
<i>Lejeunea blomquistii</i>	Blomquist Leafy Liverwort Mid Elev. Gorges On Rock Or Bark	S1S2	G1G2	S	--
<i>Leptodontium viticulosoides var. sulphureum</i>	Grandfather Mountain Leptodontium Bark Of Old Growth Fraser Fir	S1S2	G2	E	--
<i>Leptohymenium sharpii</i>	Mount Leconte Moss Old Growth Fraser Fir Forests, On Rocks	S1	G1	E	--
<i>Leptoscyphus cuneifolius</i>	A Liverwort Bark Of Mature Fraser Fir	S1	G4G5	E	--
<i>Marsupella funckii</i>	A Liverwort Thin Soil, Edge Of High Elev. Outcrops	S1	G4G5	E	--
<i>Megaceros aenigmaticus</i>	Megaceros Mid-Elev. Streams On Wet Shaded Rocks	S2S3	G2G3	S	--
<i>Mielichhoferia elongata</i>	A Moss Woods Above 5000'	S1	G4?	S	--
<i>Orthodontium pellucens</i>	Translucent Orthodontium Soil Peat Or Rock Of Heath Balds	SH	G5	S	--
<i>Plagiochila exigua</i>	A Liverwort Bark Of Mature Fraser Fir And Mountain Ash	S1S2	G4?	S	--
<i>Plagiochila retrorsa</i>	a liverwort Shaded Moist Ledges And Bluffs	S1	GNR	S	--
<i>Porella wataugensis</i>	Watauga Porella Moist Boulders & Cliffs, Phyllite	S1S2	G1G2Q	T	--
<i>Radula voluta</i>	A Liverwort Shady Moist Boulders By Waterfalls Or Sreams	S2	G3	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Sevier County . . . Continued

Known Species: 125

Nonvascular Plants: 24 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Sphenolobopsis pearsoni</i>	Sphenolobopsis Mainly Bark Of Mature Fraser Fir	S1	G2?	E	--
<i>Tetrodontium brownianum</i>	Little Georgia Montaine Rocky Seeps And Falls	S1	G3G4	S	--
<i>Tortula ammonsiana</i>	Ammons's Tortula Se To West Facing Seepy, Siliceous Rock	S1	G1	E	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 52		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Abies fraseri</i>	Fraser Fir Forests Above 5500 Ft	S1S2	G2	T	--
<i>Acer leucoderme</i>	Chalk Maple Circumneutral Rocky Woods	S3	G5	S	--
<i>Adlumia fungosa</i>	Climbing Fumitory Rich Mesic Woods	S2	G4	T	--
<i>Agrostis mertensii</i>	Arctic Bentgrass Mountain Balds And Moist Ravines	SH	G5	S	--
<i>Amelanchier sanguinea</i>	Roundleaf Shadbush Rocky Slopes And River Banks	S2	G5	T	--
<i>Betula papyrifera var. cordifolia</i>	Heart-leaved Paper Birch Mountain Burns	S1	G5T5	E	--
<i>Botrychium matricariifolium</i>	Chamomile Grapefern Mountain Woods And Thickets	S1	G5	S	--
<i>Calamagrostis cainii</i>	Cain's Reedgrass High Elevation Rock Outcrops And Slide Areas	S1	G1	E	--
<i>Cardamine clematitidis</i>	Mountain Bittercress High Elevation Seeps	S2	G3	T	--
<i>Cardamine flagellifera</i>	Running Bittercress Mountain Stream Banks	S2	G3	T	--
<i>Cardamine rotundifolia</i>	Round-leaf Watercress Mucky Wetlands And Seeps	S2S3	G4	S	--
<i>Carex misera</i>	Wretched Sedge Mountain Ledges And Balds	S2	G3	T	--
<i>Carex ruthii</i>	Ruth's Sedge Mountain Forests And Wet Areas	S2	G3	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Sevier County . . . Continued

Known Species: 125

Vascular Plants: 52 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Clintonia borealis</i>	Clinton's Lily High Elevation Mesic Forests	S2S3	G5	S	--
<i>Cymophyllus fraserianus</i>	Fraser's Sedge Mixed Mesophytic Forests	S3	G4	S	--
<i>Drosera rotundifolia</i>	Roundleaf Sundew Bogs & Seeps	S1	G5	T	--
<i>Fothergilla major</i>	Mountain Witch-alder Rocky Slopes And River Banks	S2	G3	T	--
<i>Gentiana linearis</i>	Narrow-leaved Gentian High Elevation Wet Areas	S1	G4G5	T	--
<i>Geum radiatum</i>	Spreading Avens High Elevation Outcrops And Balds	S1	G2	E	LE
<i>Glyceria nubigena</i>	Smoky Mountains Mannagrass Mountain Balds And Open Seeps	S1S2	G2	T	--
<i>Huperzia appalachiana</i>	Appalachian Fir Clubmoss Spruce-Fir Forest	S1	G4G5	T	--
<i>Hydrophyllum virginianum</i>	Appalachian Waterleaf Alluvial Woods	S3	G5	T	--
<i>Hymenophyllum tayloriae</i>	Taylor's Filmy Fern Moist Rockhouses	S2	G2	S	--
<i>Hypericum graveolens</i>	Mountain St. John's-wort Boggy Woods And River Banks	S3	G3	E	--
<i>Hypericum mitchellianum</i>	Blue Ridge St. John's-wort High Elevation, Moist Woods	S2	G3	T	--
<i>Juncus trifidus</i>	Highland Rush Dry Cliff Ledges	SH	G5	E-P	--
<i>Krigia montana</i>	False Dandelion Dry Rocky Openings	S1	G3	T	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lonicera canadensis</i>	American Fly-honeysuckle Mountain Woods And Streams	S1	G5	T	--
<i>Melanthium latifolium</i>	Broadleaf Bunchflower Oak Forest	S1S2	G5	E	--
<i>Menziesia pilosa</i>	Minniebush Heath Balds And Cliffs	S2	G4G5	S	--
<i>Milium effusum</i>	Tall Millet-grass Rich Woods	S1	G5	S	--
<i>Monotropsis odorata</i>	Sweet Pinesap Piney Woods	S2	G3	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Sevier County . . . Continued

Known Species: 125

Vascular Plants: 52 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Phegopteris connectilis</i>	Northern Beechfern Mountain Bogs And Rocky Seeps	S1	G5	S	--
<i>Pieris floribunda</i>	Mountain Fetter-bush Heath Thickets	S2	G4	T	--
<i>Platanthera flava var. herbiola</i>	Tuberclad Rein-orchid Swamps And Floodplains	S2	G4T4Q	T	--
<i>Platanthera psycodes</i>	Small Purple Fringed Orchid Wet Woods And Bog Margins	S2	G5	S	--
<i>Prunus virginiana</i>	Choke Cherry Moist Coves And Slopes	S1	G5	S	--
<i>Rugelia nudicaulis</i>	Rugel's Ragwort High Elevation Open Woods	S2	G3	E	--
<i>Silene ovata</i>	Ovate Catchfly Open Oak Woods	S2	G3	E	--
<i>Spiranthes ochroleuca</i>	Yellow Nodding Ladies'-tresses Moist Mountain Woods	SH	G4	E-P	--
<i>Stachys clingmanii</i>	Clingman's Hedge-nettle Mountain Clearings And Meadows	S1S2	G2Q	T	--
<i>Streptopus amplexifolius</i>	White Mandarin Wet Cliffs And Mountain Woods	S1	G5	T	--
<i>Streptopus roseus</i>	Rosy Twisted-stalk Rich, Moist Mountain Woods	S2	G5	S	--
<i>Thalictrum coriaceum</i>	Leatherleaf Meadowrue Alluvial Woods And Moist Bluffs	S1	G4	T	--
<i>Thelypteris simulata</i>	Bog Fern Acidic Marshes And Bogs	SH	G4G5	E-P	--
<i>Trichomanes petersii</i>	Dwarf Filmy-fern Rocky Seeps	S2	G4G5	T	--
<i>Trichophorum cespitosum</i>	Tufted Club-rush Mountain Bogs	S1	G5	E	--
<i>Trillium rugelii</i>	Southern Nodding Trillium Rich Mountain Woods	S2	G3	E	--
<i>Xerophyllum asphodeloides</i>	Eastern Turkeybeard Dry Oak Or Piney Woods	S3	G4	T	--
<i>Zanthoxylum americanum</i>	Northern Prickly-ash Cedar Thickets	S2	G5	S	--

Vertebrate Animals: 34

St. Rank

Global Rank

St. Prot.

Fed. Prot.



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Sevier County . . . Continued

Known Species: 125

Vertebrate Animals: 34 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Accipiter striatus</i>	Sharp-shinned Hawk Forests and open woodlands.	S3B,S4N	G5	D	No Status
<i>Acipenser fulvescens</i>	Lake Sturgeon Bottoms of large, clean rivers and lakes.	S1	G3G4	E	--
<i>Carpionodes velifer</i>	Highfin Carpsucker Large rivers, mostly in Tennessee River drainage.	S2S3	G4G5	D	--
<i>Condylura cristata</i>	Star-nosed Mole Hydic soils in beech-maple-birch forests at higher elevations in the Appalachians.	S2	G5	D	--
<i>Contopus cooperi</i>	Olive-sided Flycatcher Forest, woodland, and open habitats with scattered trees, esp. with tall dead snags.	S1	G4	D	--
<i>Corvus corax</i>	Common Raven Hilly or mountainous areas, esp near cliffs; nests usually on cliff ledges or in coniferous trees.	S2	G5	T	--
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Desmognathus wrighti</i>	Pygmy Salamander Mature hardwoods & spruce-fir forests under moss, leaf litter, logs, bark, and rocks; high elevations; Blue Ridge.	S2S3	G3G4	D	--
<i>Eurycea junaluska</i>	Junaluska Salamander Beneath rocks along medium to large streams; S Blue Ridge; Monroe, Blount, & Sevier counties.	S2	G3	D	--
<i>Falco peregrinus</i>	Peregrine Falcon Varied habitats including farmlands, marshes, river mouths, and cities; often nests on ledges.	S1B	G4	E	No Status
<i>Glaucomys sabrinus coloratus</i>	Carolina Northern Flying Squirrel Spruce-fir or mature hardwood forest with snags; in tree cavities or leaf nests; higher elevations of the Appalachians.	S1S2	G5T1	E	LE
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Microtus chrotorrhinus carolinensis</i>	Southern Rock Vole Mossy rocks and logs, and cool, moist talus slopes at higher elevations of the Appalachians.	S2	G4T3	D	--
<i>Myotis leibii</i>	Eastern Small-footed Myotis Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.	S2S3	G3	D	--
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Sevier County . . . Continued

Known Species: 125

Vertebrate Animals: 34 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Napaeozapus insignis</i>	Woodland Jumping Mouse Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	S4	G5	D	--
<i>Neotoma floridana haematoreia</i>	Southern Appalachian Woodrat Forests & talus slopes in southern Appalachians of southeastern Tennessee.	S2	G5T4Q	D	--
<i>Parascalops breweri</i>	Hairy-tailed Mole Moist soils in deciduous forests with thick humus; east Tennessee.	S3	G5	D	--
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--
<i>Percina macrocephala</i>	Longhead Darter Clear, larger upland creeks and small-med rivers, usually in rocky flowing pools upst/dnst rubble riffles; Tenn & Cumb river watersheds.	S2	G3	T	--
<i>Percina tanasi</i>	Snail Darter Sand and gravel shoals of moderately flowing, vegetated, large creeks; upper Tennessee River watershed.	S2S3	G2G3	T	LT
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--
<i>Sorex dispar</i>	Long-tailed Shrew Mountainous, forested areas with loose talus; east Tennessee.	S2	G4	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Sorex palustris</i>	American Water Shrew Most abundant along small cold streams with thick overhanging riparian growth; Appalachian Mountains.	S2	G5	D	--
<i>Sphyrapicus varius</i>	Yellow-bellied Sapsucker Deciduous or mixed deciduous-coniferous forest; winters statewide and breeds in Appalachian Mountains.	S1B,S4N	G5	D	--
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--

-- End of Sevier --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Shelby County **Known Species: 33**

Invertebrate Animals: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Lampsilis siliquoidea</i>	Fatmucket Slackwater with mud subst; Wolf R (Miss R trib); west TN; may occur at Reelfoot Lk; also rept Drakes Ck (Cumb R), Sumner Co.	S2	G5	--	--
<i>Obovaria jacksoniana</i>	Southern Hickorynut Rivers with medium-sized gravel substrates and low-mod current; Wolf & Hatchie rivers; Mississippi River watershed; west Tennessee.	S1	G2	--	--
<i>Webbhelix multilineata</i>	Striped Whitelip Low wet habitats, marshes, floodplains, meadows; lake margins; under leaf litter or drift; Mississippi River floodplain.	S2	G5	--	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 13		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acmella oppositifolia</i>	Creeping Spot-flower Swamps And Wetlands	S3	G5	S	--
<i>Heteranthera multiflora</i>	Multiflowered Mud-plantain Shallow Water, Mud Flats	SH	G4	S	--
<i>Hottonia inflata</i>	Featherfoil Wet Sloughs And Ditches	S2	G4	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Iris fulva</i>	Copper Iris Bottomlands	S2	G5	T	--
<i>Ophioglossum crotalophoroides</i>	Bulbous Adder's-tongue Meadows And Grassy Slopes	SH	G5	S	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Phacelia ranunculacea</i>	Blue Scorpion-weed Alluvial Woods	S2S3	G4	S	--
<i>Prenanthes crepidinea</i>	Nodding Rattlesnake-root Rich Bottomlands	S2	G4	E	--
<i>Schisandra glabra</i>	Red Starvine Rich Mesic Woods, Bluffs	S2	G3	T	--
<i>Silene ovata</i>	Ovate Catchfly Open Oak Woods	S2	G3	E	--
<i>Symphotrichum praealtum</i>	Willow Aster Moist Prairies And Marshes	S1	G5	E	--
<i>Ulmus crassifolia</i>	Cedar Elm Swamps	S2	G5	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Shelby County . . . Continued

Known Species: 33

Vertebrate Animals: 16		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ammocrypta beani</i>	Naked Sand Darter Shifting sand bottoms & sandy runs; Hatchie River & larger tribs.	S2	G5	D	--
<i>Chondestes grammacus</i>	Lark Sparrow Open habitats with scattered bushes and trees, prairie, cultivated areas, fields with bushy borders; ground nester.	S1B	G5	T	--
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Hyla gratiosa</i>	Barking Treefrog Low wet woods and swamps esp. with ephemeral ponds.	S3	G5	D	--
<i>Ictinia mississippiensis</i>	Mississippi Kite Undisturbed stands of lowland and floodplain forests and along major rivers.	S2S3	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Neotoma floridana illinoensis</i>	Eastern Woodrat Forested areas, caves & outcrops; west Tennessee generally.	S3	G5T5	D	--
<i>Noturus gladiator</i>	Piebald Madtom Large creeks & rivers in moderate-swift currents with clean sand or gravel substrates; Mississippi River tributaries.	S3	G3	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Sterna antillarum athalassos</i>	Interior Least Tern Mississippi River sand bars & islands, dikes. 	S2S3B	G4T2Q	E	LE
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--
<i>Vireo bellii</i>	Bell's Vireo Thickets adjacent to water, bottomlands; west Tennessee and one confirmed location in Western Highland Rim.	S1B	G5	--	No Status

-- End of Shelby --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Smith County

Known Species: 33

Invertebrate Animals: 14		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cumberlandia monodonta</i>	Spectaclecase Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.	S2S3	G3	--	C
<i>Cyprogenia stegaria</i>	Fanshell Medium to large streams and rivers with coarse sand and gravel substrates; Cumberland and Tennessee river systems.	S1	G1Q	E	LE
<i>Dromus dromas</i>	Dromedary Pearlymussel Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.	S1	G1	E	LE
<i>Epioblasma brevidens</i>	Cumberlandian Combshell Large creeks to large rivers, in coarse sand or mixtures of gravel, cobble, or rocks; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Epioblasma capsaeformis</i>	Oyster Mussel Shallow riffles in mod-swift current of small-medium rivers with coarse sand and gravel; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Epioblasma obliquata obliquata</i>	Catspaw Medium-large rivers, in sand and gravel substrates in runs and riffles; Tennessee & Cumberland river systems.	S1	G1T1	E	LE
<i>Lampsilis abrupta</i>	Pink Mucket Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	S2	G2	E	LE
<i>Obovaria retusa</i>	Ring Pink Large rivers in gravel and sand bars; Tennessee & Cumberland river watersheds; many historic locations currently inundated.	S1	G1	E	LE
<i>Orconectes incomptus</i>	Tennessee Cave Crayfish Aquatic cave obligate; subterranean streams & shallow pools; lower-elevation caves of Highland Rim escarp; Cumb River watershed.	S1	G1	E	--
<i>Plethobasus cicatricosus</i>	White Wartyback Presumed to inhabit shoals and riffles in large rivers; Tennessee & Cumberland river systems. Very rare & poss extirpated in TN.	S1	G1	E	LE
<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.	S1	G1	E	LE
<i>Pleurobema clava</i>	Clubshell Small/med-sized rivers and streams; deeply buried in sand/fine gravel or in clean, coarse sand/gravel runs; lower Cumb. & Tenn. rivers.	SH	G2	E	LE
<i>Pleurobema plenum</i>	Rough Pigtoe Medium to large rivers in sand, gravel, and cobble substrates of shoals; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Villosa trabalis</i>	Cumberland Bean Riffle areas of small rivers & streams in sand, gravel, & cobble substrates with swift current; upper Cumb. & upper Tenn. river systems.	S1	G1	E	LE
Nonvascular Plants: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Tortula fragilis</i>	Fragile Tortula Steep Calcareous Bluffs	S1	G5	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Smith County . . . Continued

Known Species: 33

Vascular Plants: 9		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Amsonia tabernaemontana</i> var. <i>gattingeri</i>	Limestone Blue Star Glades, Barrens, And Rocky River Bars	S3	G5T3Q	S	--
<i>Castanea dentata</i>	American Chestnut Mesic To Dry Forests	S2S3	G4	S	--
<i>Cerastium velutinum</i> var. <i>velutinum</i>	Velvety Cerastium Bluffs	S1	G5T4?	E	--
<i>Elymus svensonii</i>	Svenson's Wild-rye Rocky Bluffs	S2	G3	E	--
<i>Eriogonum longifolium</i> var. <i>harperi</i>	Harper's Umbrella-plant Rocky Bluffs	S1	G4T2	E	--
<i>Erysimum capitatum</i>	Western Wallflower Rocky Bluffs	S1S2	G5	E	--
<i>Geranium robertianum</i>	Herb-robert Limestone Ledges And Bluffs	S1	G5	S	--
<i>Lesquerella globosa</i>	Short's Bladderpod Limestone Talus Slopes And Cliffs	S2	G2	E	C
<i>Stellaria fontinalis</i>	Water Stitchwort Seeps And Limestone Creek Beds	S3	G3	T	--
Vertebrate Animals: 9		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acipenser fulvescens</i>	Lake Sturgeon Bottoms of large, clean rivers and lakes.	S1	G3G4	E	--
<i>Cyprinella elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Etheostoma olivaceum</i>	Sooty Darter Small streams with slabrock on limestone bedrock; Nashville Basin tribs to Cumberland & lower Caney Fork rivers.	S3	G3	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Notropis rupestris</i>	Bedrock Shiner Bedrock pools of some low-gradient streams of the Nashville Basin.	S2	G2	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--

-- End of Smith --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Stewart County

Known Species: 48

Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Central Interior Highlands and Appalachian Sinkhole and Depression Pond</i>	Highland Rim Sinkhole and Depression Pond	S2S3	GNR	--	--
Invertebrate Animals: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Lampsilis abrupta</i>	Pink Mucket Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	S2	G2	E	LE
Vascular Plants: 27		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Apios priceana</i>	Price's Potato-bean Openings In Rich Woods	S2	G2	E	LT
<i>Asclepias purpurascens</i>	Purple Milkweed Barrens	S1	G5?	S	--
<i>Aureolaria patula</i>	Spreading False-foxglove Oak Woods And Edges	S3	G3	S	--
<i>Baptisia bracteata var. leucophaea</i>	Cream Wild-indigo Dry Oak Woods And Barrens	S1S2	G4G5T4T5	S	--
<i>Carex comosa</i>	Bristly Sedge Swamps	S2	G5	T	--
<i>Cimicifuga rubifolia</i>	Appalachian Bugbane Rich Woods	S3	G3	T	--
<i>Eleocharis intermedia</i>	Matted Spike-rush Wet Areas	S1	G5	E	--
<i>Eleocharis lanceolata</i>	Lance-like Spike-rush Wet Areas	S1	G4G5	S	--
<i>Hasteola suaveolens</i>	Sweet-scented Indian-plantain Alluvial Woods, Moist Slopes	S2	G4	T	--
<i>Heteranthera limosa</i>	Blue Mud-plantain Mud Flats	S1S2	G5	T	--
<i>Hieracium longipilum</i>	Hairy Hawkweed Dry Fields And Sandy Road Banks	S1	G4G5	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Iris brevicaulis</i>	Lamance Iris Bottomlands	S1	G4	E	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Stewart County . . . Continued

Known Species: 48

Vascular Plants: 27 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Liparis loeselii</i>	Fen Orchis Calcareous Seeps	S1	G5	T	--
<i>Lysimachia fraseri</i>	Fraser's Loosestrife Dry Open Woods	S2	G3	E	--
<i>Neobeckia aquatica</i>	Lake Cress Gum Or Cypress Swamps	S2	G4?	S	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Pedicularis lanceolata</i>	Swamp Lousewort Wet Acidic Barrens And Seeps	S1S2	G5	S	--
<i>Phacelia ranunculacea</i>	Blue Scorpion-weed Alluvial Woods	S2S3	G4	S	--
<i>Phlox pilosa ssp. ozarkana</i>	Ozark Downy Phlox Rocky, Dry Open Woods	S1S2	G5T4?	S	--
<i>Prenanthes barbata</i>	Bearded Rattlesnake-root Barrens And Dry Woodlands	S2	G3	S	--
<i>Prenanthes crepidinea</i>	Nodding Rattlesnake-root Rich Bottomlands	S2	G4	E	--
<i>Rudbeckia subtomentosa</i>	Sweet Coneflower Barrens	S2	G5	T	--
<i>Sagittaria brevirostra</i>	Short-beaked Arrowhead Swamps And Floodplains	S1	G5	T	--
<i>Salvia azurea var. grandiflora</i>	Blue Sage Barrens	S3	G4G5T4?	S	--
Vertebrate Animals: 19		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acipenser fulvescens</i>	Lake Sturgeon Bottoms of large, clean rivers and lakes.	S1	G3G4	E	--
<i>Ammodramus henslowii</i>	Henslow's Sparrow Damp open fields and meadows with grass interspersed with weeds or shrubs.	S1B	G4	D	--
<i>Aquila chrysaetos</i>	Golden Eagle Open country, open wooded country, and barren areas, especially in hilly or mountainous regions.	S1	G5	T	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Stewart County . . . Continued

Known Species: 48

Vertebrate Animals: 19 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Macrochelys temminckii</i>	Alligator Snapping Turtle Slow moving, deep water of rivers, sloughs, oxbows, swamps, and lakes; middle and west Tennessee; obscure.	S2S3	G3G4	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Nerodia erythrogaster neglecta</i>	Copperbelly Watersnake Warm, quiet waters; wooded lakes, streams, sloughs; northern middle Tennessee; lower Cumberland & Tennessee river watersheds.	S2S3	G5T3	--	No Status
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Pooecetes gramineus</i>	Vesper Sparrow Balds, old pastures; ground nester.	S1B,S4N	G5	D	--
<i>Sistrurus miliarius streckeri</i>	Western Pygmy Rattlesnake Usually near water in river floodplains, swamps, marshes, and wet prairies; occas drier wooded uplands; W half of Tenn., generally.	S2S3	G5T5	T	--
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Stewart --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Sullivan County

Known Species: 65

Invertebrate Animals: 12		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Allocapnia brooksi</i>	Sevier Snowfly Small-medium size creeks; northern Ridge & Valley and adj. Blue Ridge; upper Tennessee River watershed.	S2	G2	--	--
<i>Epioblasma florentina walkeri</i>	Tan Riffleshell Found in river headwaters, in riffles and shoals in sand and gravel substrates; Tennessee & Cumberland river systems.	S1	G1T1	E	LE
<i>Fusconaia cor</i>	Shiny Pigtoe Shoals and riffles of small-medium sized rivers with mod-fast current over sand-cobble substrates; upper Tennessee River watershed.	S1	G1	E	LE
<i>Fusconaia cuneolus</i>	Finerayed Pigtoe Riffles of fords and shoals of mod gradient streams in firm cobble and gravel substrates; middle & upper Tennessee River watershed.	S1	G1	E	LE
<i>Gomphus consanguis</i>	Cherokee Clubtail Small, spring-fed streams w/sand, gravel & fine detritus substrate in partly shaded to open areas; Ridge & Valley.	S1	G2G3	--	--
<i>Helicodiscus notius specus</i>	A Terrestrial Snail Cave obligate; feeds on cricket guano; Ridge & Valley and Eastern Highland Rim (tentatively).	S1?	G5T2	--	--
<i>Io fluvialis</i>	Spiny Riversnail Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	S2	G2	--	--
<i>Nesticus paynei</i>	A Cave Spider Terrestrial cave associate; also may be found on surface; northern Ridge & Valley.	S3	G3G4	--	--
<i>Pegias fabula</i>	Littlewing Pearlymussel Cool, clear, high-gradient streams in sand, gravel, and cobble substrates, riffles; portions of Cumberland & upper Tenn. river systems.	S1	G1	E	LE
<i>Quadrula intermedia</i>	Cumberland Monkeyface Shallow riffle and shoal areas of headwater streams and bigger rivers, in coarse sand/gravel substrates; Tennessee River system.	S1	G1	E	LE
<i>Speyeria diana</i>	Diana Fritillary Fields, edges, and openings in moist, rich, forested mountains and valleys; Blue Ridge & Cumberland Plateau generally.	S3	G3G4	--	--
<i>Villosa perpurpurea</i>	Purple Bean Creeks to medium-sized rivers, headwaters, in riffles with coarse sand & gravel & some silt; upper Tennessee River watershed.	S1	G1	E	LE

Vascular Plants: 34		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Allium burdickii</i>	Narrow-leaf Ramps Rich Woods	S1S2	G4G5	T-CE	--
<i>Berberis canadensis</i>	American Barberry Rocky Woods And River Bars	S2	G3	S	--
<i>Botrychium matricariifolium</i>	Chamomile Grapefern Mountain Woods And Thickets	S1	G5	S	--
<i>Buckleya distichophylla</i>	Piratebush Rocky Mountain Woods W/ Hemlock	S2	G2	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Sullivan County . . . Continued

Known Species: 65

Vascular Plants: 34 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cimicifuga rubifolia</i>	Appalachian Bugbane Rich Woods	S3	G3	T	--
<i>Cymophyllus fraserianus</i>	Fraser's Sedge Mixed Mesophytic Forests	S3	G4	S	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Draba ramosissima</i>	Branching Whitlow-grass Calcareous Bluffs	S2	G4	S	--
<i>Dryopteris cristata</i>	Crested Shield-fern Bogs	S2	G5	T	--
<i>Gentiana austromontana</i>	Appalachian Gentian High Elevation Open Woods	S3	G3	S	--
<i>Goodyera repens</i>	Dwarf Rattlesnake-plantain Moist Conifer/Rhododendron Woods	S1	G5	S	--
<i>Hexastylis virginica</i>	Virginia Heartleaf Sandy Or Rocky Woods	S2	G4	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Hydrophyllum virginianum</i>	Appalachian Waterleaf Alluvial Woods	S3	G5	T	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lonicera dioica</i>	Mountain Honeysuckle Mountain Woods And Thickets	S2	G5	S	--
<i>Magnolia virginiana</i>	Sweetbay Magnolia Forested Acidic Wetlands	S2	G5	T	--
<i>Maianthemum stellatum</i>	Starflower False Solomon's-seal Floodplains And Sandy Woods	S1	G5	E	--
<i>Meehania cordata</i>	Heartleaf Meehania Wooded Mountain Slopes	S2	G5	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Platanthera grandiflora</i>	Large Purple Fringed Orchid Wet Meadows And Open Woods	S2	G5	E	--
<i>Platanthera orbiculata</i>	Large Round-leaved Orchid Mid-Elevation Mesic Forests	S3	G5	T	--
<i>Potamogeton epihydrus</i>	Nuttall's Pondweed Lakes And Streams	S1S2	G5	S	--
<i>Pyrola americana</i>	American Wintergreen Moist Woods And Bogs	S2	G5	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Sullivan County . . . Continued

Known Species: 65

Vascular Plants: 34 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Scutellaria saxatilis</i>	Rock Skullcap Rocky Woods And Moist Cliffs	S3	G3	T	--
<i>Silene caroliniana ssp. pennsylvanica</i>	Carolina Pink Rocky Bluffs	S1S2	G5T4T5	T	--
<i>Spiraea alba</i>	Narrow-leaved Meadow-sweet Bogs	S1	G5	E	--
<i>Streptopus amplexifolius</i>	White Mandarin Wet Cliffs And Mountain Woods	S1	G5	T	--
<i>Symplocarpus foetidus</i>	Skunk-cabbage Swamps And Bogs	S1	G5	E	--
<i>Thuja occidentalis</i>	Northern White Cedar Calcareous Rocky Seeps, Cliffs	S3	G5	S	--
<i>Trientalis borealis</i>	Northern Starflower Mountain Hardwood Forests	S1	G5	T	--
<i>Tsuga caroliniana</i>	Carolina Hemlock Dry Ridges	S3	G3	T	--
<i>Vitis rupestris</i>	Sand Grape Sandy, Rocky Riverbanks	S1	G3	E	--
<i>Woodsia scopulina ssp. appalachiana</i>	Alleghany Cliff-fern Mountain Cliffs	S1S2	G4T4	S	--

Vertebrate Animals: 19		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Corvus corax</i>	Common Raven Hilly or mountainous areas, esp near cliffs; nests usually on cliff ledges or in coniferous trees.	S2	G5	T	--
<i>Erimonax monachus</i>	Spotfin Chub Clear upland rivers with swift currents & boulder substrates; portions of the Tennessee River watershed.	S2	G2	T	LT,XN, PXN
<i>Etheostoma acuticeps</i>	Sharphead Darter Strongly flowing water in riffles and chutes of large upland creeks and medium-sized rivers.	S2S3	G3	--	--
<i>Etheostoma percnurum</i>	Duskytail Darter Gently flowing pools near riffles; larger creeks and medium size rivers; Tennessee & Cumberland river drainages.	S1	G2	E	LE,XN
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Mustela nivalis</i>	Least Weasel Old fields, hedgerows, and forested areas; Appalachian Mountains, Ridge & Valley, & Cumberland Plateau.	S2	G5	--	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Sullivan County . . . Continued

Known Species: 65

Vertebrate Animals: 19 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis leibii</i>	Eastern Small-footed Myotis Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.	S2S3	G3	D	--
<i>Parascalops breweri</i>	Hairy-tailed Mole Moist soils in deciduous forests with thick humus; east Tennessee.	S3	G5	D	--
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--
<i>Percina burtoni</i>	Blotchside Logperch Large creeks and small-medium rivers with low turbidity and gravel-cobble substrates; Tennessee & Cumberland river watersheds.	S2	G2G3	D	--
<i>Percina macrocephala</i>	Longhead Darter Clear, larger upland creeks and small-med rivers, usually in rocky flowing pools upst/dnst rubble riffles; Tenn & Cumb river watersheds.	S2	G3	T	--
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Sullivan --



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Sumner County

Known Species: 31

Invertebrate Animals: 4		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Allocapnia cunninghami</i>	Karst Snowfly Small-medium size creeks; northern Highland Rim; Barren River watershed.	S1	G1G2	--	--
<i>Allocapnia perplexa</i>	Perplexing Snowfly Low-mod gradient streams with limestone bedrock & interspersed rubble; E Fk Bledsoe Creek, Cumberland R watershed; Sumner Co.	S1	G1	--	--
<i>Barbicambarus cornutus</i>	Bottle Brush Crayfish Under slabrock in medium-large tributaries of Barren River watershed; Sumner, Macon, Clay counties.	S2	G4	--	--
<i>Carychium stygium</i>	Cave Thorn Cave obligate; feeds on cricket guano; Highland Rim & escarpment of Cumberland Plateau.	S2	G3	--	--

Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--

Vascular Plants: 11		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Allium tricoccum</i>	Ramps Rich Woods	S1S2	G5	S-CE	--
<i>Carex hitchcockiana</i>	Hitchcock's Sedge Rich Moist Woods	S1	G5	T	--
<i>Caulophyllum giganteum</i>	Giant Blue Cohosh Rich Woods	S1	G4G5Q	T	--
<i>Collinsia verna</i>	Spring Blue-eyed Mary Rich Wet-Mesic Woods	S1	G5	E	--
<i>Dalea foliosa</i>	Leafy Prairie-clover Rocky Washes In Glades	S2S3	G2G3	E	LE
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Stellaria fontinalis</i>	Water Stitchwort Seeps And Limestone Creek Beds	S3	G3	T	--
<i>Trillium pusillum</i>	Least Trillium Alluvial/Moist Ravines And Dry Ridges	S2	G3	E	--

Vertebrate Animals: 15		St. Rank	Global Rank	St. Prot.	Fed. Prot.
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Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Sumner County . . . Continued

Known Species: 31

Vertebrate Animals: 15 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ardea alba</i>	Great Egret Marshes, swampy woods, streams, lakes, and ponds; also fields and meadows; colonial nester.	S2B,S3N	G5	D	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Etheostoma barbouri</i>	Teardrop Darter Sandy pools in small to medium streams with slabrock cover; Barren River watershed.	S2	G4G5	D	--
<i>Etheostoma barrenense</i>	Splendid Darter Locally abundant in rocky pools and adjacent riffles of small to moderate streams; Barren River watershed.	S3	G4	D	--
<i>Etheostoma bellum</i>	Orangefin Darter Locally abundant in small to medium-sized clear streams over gravel substrate; Barren River watershed.	S3	G4G5	D	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Moxostoma atripinne</i>	Blackfin Sucker Larger creeks with quiet or gently flowing pools with scattered slabrocks & undercut banks; Barren River watershed.	S1	G2	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Percina stictogaster</i>	Frecklebelly Darter Small rivers & larger creeks; pool areas with mod-sluggish current & aquatic vegetation; Barren River watershed.	S1	G4G5	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Summer --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Tipton County

Known Species: 21

Invertebrate Animals: 2		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Obovaria jacksoniana</i>	Southern Hickorynut Rivers with medium-sized gravel substrates and low-mod current; Wolf & Hatchie rivers; Mississippi River watershed; west Tennessee.	S1	G2	--	--
<i>Villosa vibex</i>	Southern Rainbow Mud or soft sand in small rivers & creeks in areas with moderate current; Conasauga, Hatchie, and Wolf (Miss. R.) river systems.	S2	G5Q	--	--
Vascular Plants: 10		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acmella oppositifolia</i>	Creeping Spot-flower Swamps And Wetlands	S3	G5	S	--
<i>Agalinis auriculata</i>	Earleaved False-foxglove Barrens	S2	G3	E	--
<i>Carex oxylepis var. pubescens</i>	Hairy Sharp-scaled Sedge Wooded Bluffs, Floodplains	S1	G5?T3	S	--
<i>Carex reniformis</i>	Reniform Sedge Rich Bottomland Woods	S1	G4?	S	--
<i>Dichanthelium ensifolium ssp. ensifolium</i>	Small-leaved Panicgrass Moist Pine Barrens	S2	GNR	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Phacelia ranunculacea</i>	Blue Scorpion-weed Alluvial Woods	S2S3	G4	S	--
<i>Prenanthes crepidinea</i>	Nodding Rattlesnake-root Rich Bottomlands	S2	G4	E	--
<i>Schisandra glabra</i>	Red Starvine Rich Mesic Woods, Bluffs	S2	G3	T	--
Vertebrate Animals: 9		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ammocrypta beani</i>	Naked Sand Darter Shifting sand bottoms & sandy runs; Hatchie River & larger tribs.	S2	G5	D	--
<i>Ammocrypta vivax</i>	Scaly Sand Darter Small to medium rivers with sandy substrate; Hatchie & Buffalo rivers.	S2	G5	D	--
<i>Atractosteus spatula</i>	Alligator Gar Sluggish pools of large rivers, oxbows, swamps, and backwaters; west Tennessee.	S1	G3G4	D	--
<i>Cycleptus elongatus</i>	Blue Sucker Swift waters over firm substrates in big rivers.	S2	G3G4	T	--
<i>Ictinia mississippiensis</i>	Mississippi Kite Undisturbed stands of lowland and floodplain forests and along major rivers.	S2S3	G5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Tipton County . . . Continued

Known Species: 21

Vertebrate Animals: 9 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Macrhybopsis gelida</i>	Sturgeon Chub Large turbid rivers & their larger tributaries; Mississippi River proper.	S1	G3	D	--
<i>Notropis dorsalis</i>	Bigmouth Shiner Cool, low-gradient creeks over sand or fine gravel substrates; tributaries near confluence of Mississippi River.	S1	G5	D	--
<i>Noturus gladiator</i>	Piebald Madtom Large creeks & rivers in moderate-swift currents with clean sand or gravel substrates; Mississippi River tributaries.	S3	G3	D	--
<i>Sterna antillarum athalassos</i>	Interior Least Tern Mississippi River sand bars & islands, dikes. 	S2S3B	G4T2Q	E	LE

-- End of Tipton --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Trousdale County **Known Species: 13**

Invertebrate Animals: 6	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Dromus dromas</i>	Dromedary Pearlymussel Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.	S1	G1	E	LE
<i>Epioblasma brevidens</i>	Cumberlandian Combshell Large creeks to large rivers, in coarse sand or mixtures of gravel, cobble, or rocks; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Epioblasma obliquata obliquata</i>	Catspaw Medium-large rivers, in sand and gravel substrates in runs and riffles; Tennessee & Cumberland river systems.	S1	G1T1	E	LE
<i>Lampsilis abrupta</i>	Pink Mucket Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	S2	G2	E	LE
<i>Pleurobema plenum</i>	Rough Pigtoe Medium to large rivers in sand, gravel, and cobble substrates of shoals; Tennessee & Cumberland river systems.	S1	G1	E	LE
<i>Quadrula sparsa</i>	Appalachian Monkeyface Headwater sections of rivers in shallow riffles/runs with sand-gravel substrate & moderate current; upper Tennessee River drainage.	S1	G1	E	LE

Vascular Plants: 5	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Elymus svensonii</i>	Svenson's Wild-rye Rocky Bluffs	S2	G3	E	--
<i>Leavenworthia exigua var. exigua</i>	Glade-cress Glades	S3	G4T3	S	--
<i>Lesquerella globosa</i>	Short's Bladderpod Limestone Talus Slopes And Cliffs	S2	G2	E	C
<i>Stellaria fontinalis</i>	Water Stitchwort Seeps And Limestone Creek Beds	S3	G3	T	--
<i>Talinum calcaricum</i>	Limestone Fame-flower Glades	S3	G3	S	--

Vertebrate Animals: 2	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Etheostoma olivaceum</i>	Sooty Darter Small streams with slabrock on limestone bedrock; Nashville Basin tribs to Cumberland & lower Caney Fork rivers.	S3	G3	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--

-- End of Trousdale --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Unicoi County **Known Species: 90**

Ecological Systems: 1	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Southern Appalachian Spray Cliff</i>	Southern Appalachian Spray Cliff	SNR	GNR	--	--
Ecological Systems: 1	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Tsuga caroliniana - Pinus (rigida, pungens, virginiana) Forest</i>	Carolina Hemlock Foreset (Pine Type)	SNR	G2	--	--
Invertebrate Animals: 14	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Alasmidonta raveneliana</i>	Appalachian Elktoe Large creeks/small rivers with stable coarse sand and gravel substrates with cobble & boulders; upper Tennessee River watershed.	S1	G1	E	LE
<i>Anguispira jessica</i>	Mountain Disc Higher elevations in the southern Appalachians, arboreal; also inhabits rotting wood; Roan Mountain & Mt. Le Conte.	S3	G3G4	--	--
<i>Discus bryanti</i>	Sawtooth Disc Leaf litter in rocky upland woods, under rotting logs; northeast Tennessee; Blue Ridge.	S1S2	G3	--	--
<i>Inflectarius subpalliatius</i>	Velvet Covert Leaf litter, rotting logs, talus in mixed woodland; may be arboreal; mid to upper elevations of Blue Ridge; Carter & Unicoi counties.	S2	G2	--	--
<i>Mesomphix rugeli</i>	Wrinkled Button Under leaf litter on wooded hillsides; far NE Tennessee; S Blue Ridge.	S3	G4	--	--
<i>Paravitrea lamellidens</i>	Lamellate Supercoil Deep, moist leaf litter below boulder slopes, bluffs; boggy seeps; forested hillsides & ravines; central & southern Blue Ridge.	S2	G2	--	--
<i>Paravitrea tridens</i>	White-foot Supercoil Moist leaf litter on wooded hillsides; northeast Tennessee; Ridge & Valley and Blue Ridge.	S2	G2	--	--
<i>Pilsbryna aurea</i>	Ornate Bud Deep, wet leaves of karstic forests & hills, near streams; assoc. with limestone/dolomite outcrops; Unicoi, Washington, & Blount cos.	S1	G1	--	--
<i>Speyeria diana</i>	Diana Fritillary Fields, edges, and openings in moist, rich, forested mountains and valleys; Blue Ridge & Cumberland Plateau generally.	S3	G3G4	--	--
<i>Stenotrema altispira</i>	Highland Slitmouth Leaf litter, logs, talus in mixed woodland, spring fed slopes; higher elevations of central & N Blue Ridge; northeast Tennessee.	S2?	G3	--	--
<i>Stygobromus barryi</i>	A Cave Obligate Amphipod Aquatic cave obligate; northern Blue Ridge mountains; Unicoi County.	S1	G2G3	--	--
<i>Trechus vandykei</i>	A Carabid Beetle Terrestrial; found in leafmold or under moss mats; Camp Creek Bald & Unaka Mountain; Blue Ridge; Greene & Unicoi counties.	S3?	GNR	--	--
<i>Ventridens decussatus</i>	Crossed Dome In leaf litter of oak woods, usually above 3,000 ft; Blue Ridge.	S2?	G3	--	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Unicoi County . . . Continued

Known Species: 90

Invertebrate Animals: 14 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Vertigo parvula</i>	Smallmouth Vertigo In leaf litter and on logs in upland forests with limestone outcrops or talus; Blue Ridge; Washington & Unicoi counties.	S2S3	G3	--	--
Vascular Plants: 53		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Abies fraseri</i>	Fraser Fir Forests Above 5500 Ft	S1S2	G2	T	--
<i>Adlumia fungosa</i>	Climbing Fumitory Rich Mesic Woods	S2	G4	T	--
<i>Agastache scrophulariifolia</i>	Purple Giant Hyssop Rich Mountain Woods	S1S2	G4	T	--
<i>Allium tricoccum</i>	Ramps Rich Woods	S1S2	G5	S-CE	--
<i>Buckleya distichophylla</i>	Piratebush Rocky Mountain Woods W/ Hemlock	S2	G2	T	--
<i>Campanula aparinoides</i>	Marsh Bellflower Bogs	S2	G5	S	--
<i>Cardamine clematitis</i>	Mountain Bittercress High Elevation Seeps	S2	G3	T	--
<i>Cardamine rotundifolia</i>	Round-leaf Watercress Mucky Wetlands And Seeps	S2S3	G4	S	--
<i>Carex argyrantha</i>	Hay Sedge Sandy Or Rocky Woods	S1	G5	T	--
<i>Carex misera</i>	Wretched Sedge Mountain Ledges And Balds	S2	G3	T	--
<i>Carex pallescens</i>	Pale Sedge High Elevation Woods And Mountain Balds	S1	G5	S	--
<i>Carex roanensis</i>	Roan Mountain Sedge Mid-Elevation Woodlands	S2	G3	E	--
<i>Caulophyllum giganteum</i>	Giant Blue Cohosh Rich Woods	S1	G4G5Q	T	--
<i>Clintonia borealis</i>	Clinton's Lily High Elevation Mesic Forests	S2S3	G5	S	--
<i>Coeloglossum viride var. virescens</i>	Long-bracted Green Orchis Wet Woods And Seeps	S1	G5T5	E	--
<i>Corallorhiza maculata</i>	Spotted Coralroot Shady, Moist Woods	S1	G5	T	--
<i>Corydalis sempervirens</i>	Pale Corydalis Dry Or Rocky Woods	S1S2	G4G5	E	--
<i>Cymophyllus fraserianus</i>	Fraser's Sedge Mixed Mesophytic Forests	S3	G4	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Unicoi County . . . Continued

Known Species: 90

Vascular Plants: 53 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Diervilla sessilifolia var. rivularis</i>	Mountain Bush-honeysuckle Dry Cliffs And Bluffs	S2	G3	T	--
<i>Dryopteris carthusiana</i>	Spinulose Shield Fern Bogs	S1	G5	T	--
<i>Epilobium angustifolium</i>	Fireweed High Elevation Disturbed Woods	S1	G5	T	--
<i>Gentiana austromontana</i>	Appalachian Gentian High Elevation Open Woods	S3	G3	S	--
<i>Goodyera repens</i>	Dwarf Rattlesnake-plantain Moist Conifer/Rhododendron Woods	S1	G5	S	--
<i>Helianthus glaucophyllus</i>	White-leaved Sunflower Dry Open Woods	S1	G3	T	--
<i>Heracleum maximum</i>	Cow-parsnip Moist Woods And Floodplains	S2	G5	S	--
<i>Hexastylis virginica</i>	Virginia Heartleaf Sandy Or Rocky Woods	S2	G4	S	--
<i>Hydrophyllum virginianum</i>	Appalachian Waterleaf Alluvial Woods	S3	G5	T	--
<i>Hypericum graveolens</i>	Mountain St. John's-wort Boggy Woods And River Banks	S3	G3	E	--
<i>Hypericum mitchellianum</i>	Blue Ridge St. John's-wort High Elevation, Moist Woods	S2	G3	T	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Liparis loeselii</i>	Fen Orchis Calcareous Seeps	S1	G5	T	--
<i>Lycopodium dendroideum</i>	Treelike Clubmoss High Elev. Balds & Woods	S1	G5	S	--
<i>Lysimachia terrestris</i>	Swamp Loosestrife Wet Prairies And Swamps	S1	G5	E	--
<i>Melanthium latifolium</i>	Broadleaf Bunchflower Oak Forest	S1S2	G5	E	--
<i>Oenothera parviflora</i>	Northern Evening-primrose Disturbed Open Areas	S1	G4?	S	--
<i>Packera schweinitziana</i>	Schweinitz's ragwort High Elevation Balds	S1	G5?	T	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Unicoi County . . . Continued

Known Species: 90

Vascular Plants: 53 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Paronychia argyrocoma</i>	Silverling Dry Sandstone, Granite Outcrops	S1S2	G4	T	--
<i>Platanthera orbiculata</i>	Large Round-leaved Orchid Mid-Elevation Mesic Forests	S3	G5	T	--
<i>Platanthera psycodes</i>	Small Purple Fringed Orchid Wet Woods And Bog Margins	S2	G5	S	--
<i>Polygonum cilinode</i>	Fringed Black Bindweed Dry Rocky Woods And Thickets	S1S2	G5	T	--
<i>Potentilla tridentata</i>	Three-toothed Cinquefoil High Elevation Openings	S1S2	G5	S	--
<i>Scutellaria saxatilis</i>	Rock Skullcap Rocky Woods And Moist Cliffs	S3	G3	T	--
<i>Silene ovata</i>	Ovate Catchfly Open Oak Woods	S2	G3	E	--
<i>Spiraea virginiana</i>	Virginia Spiraea Stream Bars And Ledges	S2	G2	E	LT
<i>Stachys clingmanii</i>	Clingman's Hedge-nettle Mountain Clearings And Meadows	S1S2	G2Q	T	--
<i>Streptopus roseus</i>	Rosy Twisted-stalk Rich, Moist Mountain Woods	S2	G5	S	--
<i>Symphyotrichum ericoides var. ericoides</i>	White Heath Aster Barrens	SH	G5T5	T	--
<i>Trillium rugelii</i>	Southern Nodding Trillium Rich Mountain Woods	S2	G3	E	--
<i>Tsuga caroliniana</i>	Carolina Hemlock Dry Ridges	S3	G3	T	--
<i>Woodsia scopulina ssp. appalachiana</i>	Alleghany Cliff-fern Mountain Cliffs	S1S2	G4T4	S	--
Vertebrate Animals: 21		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aegolius acadicus</i>	Northern Saw-whet Owl High-elevation spruce-fir forests; Blue Ridge Mountains.	S1	G5	T	--
<i>Carpionodes velifer</i>	Highfin Carpsucker Large rivers, mostly in Tennessee River drainage.	S2S3	G4G5	D	--
<i>Condylura cristata</i>	Star-nosed Mole Hydric soils in beech-maple-birch forests at higher elevations in the Appalachians.	S2	G5	D	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Unicoi County . . . Continued

Known Species: 90

Vertebrate Animals: 21 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Corvus corax</i>	Common Raven Hilly or mountainous areas, esp near cliffs; nests usually on cliff ledges or in coniferous trees.	S2	G5	T	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Desmognathus wrighti</i>	Pygmy Salamander Mature hardwoods & spruce-fir forests under moss, leaf litter, logs, bark, and rocks; high elevations; Blue Ridge.	S2S3	G3G4	D	--
<i>Etheostoma acuticeps</i>	Sharphead Darter Strongly flowing water in riffles and chutes of large upland creeks and medium-sized rivers.	S2S3	G3	--	--
<i>Falco peregrinus</i>	Peregrine Falcon Varied habitats including farmlands, marshes, river mouths, and cities; often nests on ledges.	S1B	G4	E	No Status
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis leibii</i>	Eastern Small-footed Myotis Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.	S2S3	G3	D	--
<i>Napaeozapus insignis</i>	Woodland Jumping Mouse Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	S4	G5	D	--
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--
<i>Plethodon welleri</i>	Weller's Salamander Rich woods under downed logs, rocks, leaf litter; spruce-fir, birch-hemlock, and primarily deciduous forests of NE Blue Ridge.	S2	G3	D	--
<i>Sorex cinereus</i>	Cinereus Shrew Rich woodlands of many types; open fields; middle and east Tennessee.	S4	G5	D	--
<i>Sorex dispar</i>	Long-tailed Shrew Mountainous, forested areas with loose talus; east Tennessee.	S2	G4	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Spilogale putorius</i>	Eastern Spotted Skunk Rocky outcrops, open prairies, brushy areas, cultivated fields, and barnyards; more common in east Tennessee; reclusive.	S3	G5	--	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Unicoi --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Union County **Known Species: 19**

Invertebrate Animals: 3	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<p><i>Fusconaia cuneolus</i></p> <p><i>Nesticus paynei</i></p> <p><i>Pseudanophthalmus unionis</i></p>	<p>Finerayed Pigtoe</p> <p>A Cave Spider</p> <p>Union County Cave Beetle</p>	<p>S1</p> <p>S3</p> <p>S1</p>	<p>G1</p> <p>G3G4</p> <p>G1G2</p>	<p>E</p> <p>--</p> <p>--</p>	<p>LE</p> <p>--</p> <p>--</p>
<p style="text-align: center;">Riffles of fords and shoals of mod gradient streams in firm cobble and gravel substrates; middle & upper Tennessee River watershed.</p> <p style="text-align: center;">Terrestrial cave associate; also may be found on surface; northern Ridge & Valley.</p> <p style="text-align: center;">Terrestrial cave obligate; Ridge & Valley; Union County.</p>					
Other Types: 1	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<p><i>Heron rookery</i></p>	<p>Heron Rookery</p>	<p>SNR</p>	<p>GNR</p>	<p>--</p>	<p>--</p>
Vascular Plants: 9	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<p><i>Aureolaria patula</i></p> <p><i>Berberis canadensis</i></p> <p><i>Cypripedium acaule</i></p> <p><i>Hydrastis canadensis</i></p> <p><i>Lilium canadense</i></p> <p><i>Meehania cordata</i></p> <p><i>Parnassia grandifolia</i></p> <p><i>Pedicularis lanceolata</i></p> <p><i>Thuja occidentalis</i></p>	<p>Spreading False-foxglove</p> <p>American Barberry</p> <p>Pink Lady's-slipper</p> <p>Goldenseal</p> <p>Canada Lily</p> <p>Heartleaf Meehania</p> <p>Large-leaved Grass-of-parnassus</p> <p>Swamp Lousewort</p> <p>Northern White Cedar</p>	<p>S3</p> <p>S2</p> <p>S4</p> <p>S3</p> <p>S3</p> <p>S2</p> <p>S3</p> <p>S1S2</p> <p>S3</p>	<p>G3</p> <p>G3</p> <p>G5</p> <p>G4</p> <p>G5</p> <p>G5</p> <p>G3</p> <p>G5</p> <p>G5</p>	<p>S</p> <p>S</p> <p>S-CE</p> <p>S-CE</p> <p>T</p> <p>T</p> <p>S</p> <p>S</p> <p>S</p>	<p>--</p> <p>--</p> <p>--</p> <p>--</p> <p>--</p> <p>--</p> <p>--</p> <p>--</p> <p>--</p>
<p style="text-align: center;">Oak Woods And Edges</p> <p style="text-align: center;">Rocky Woods And River Bars</p> <p style="text-align: center;">Piney Woods</p> <p style="text-align: center;">Rich Woods</p> <p style="text-align: center;">Rich Woods And Seeps</p> <p style="text-align: center;">Wooded Mountain Slopes</p> <p style="text-align: center;">Calcareous Seeps</p> <p style="text-align: center;">Wet Acidic Barrens And Seeps</p> <p style="text-align: center;">Calcareous Rocky Seeps, Cliffs</p>					
Vertebrate Animals: 6	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<p><i>Erimonax monachus</i></p> <p><i>Erimystax cahni</i></p> <p><i>Myotis grisescens</i></p>	<p>Spotfin Chub</p> <p>Slender Chub</p> <p>Gray Myotis</p>	<p>S2</p> <p>S1</p> <p>S2</p>	<p>G2</p> <p>G1</p> <p>G3</p>	<p>T</p> <p>T</p> <p>E</p>	<p>LT,XN, PXN</p> <p>LT</p> <p>LE</p>
<p style="text-align: center;">Clear upland rivers with swift currents & boulder substrates; portions of the Tennessee River watershed.</p> <p style="text-align: center;">Major headwater tribs to TN River with small gravel substrates & swift-moderate currents.</p> <p style="text-align: center;">Cave obligate year-round; frequents forested areas; migratory.</p>					



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Union County . . . Continued

Known Species: 19

Vertebrate Animals: 6 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Noturus flavipinnis</i>	Yellowfin Madtom Medium size to large creeks and small rivers that are unpolluted & relatively unsilted; upper Tennessee River watershed.	S1	G1	E	LT,XN
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--

-- End of Union --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Van Buren County

Known Species: 95

Invertebrate Animals: 35		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aloconota diversiseta</i>	A Rove Beetle Terrestrial cave obligate; Cumberland Plateau.	S1	G1	--	--
<i>Anthrobia mammouthia</i>	Mammoth Cave spider Terrestrial cave obligate; reported from a handful of caves in the middle Cumberlands; Bledsoe, Grundy, & Van Buren counties.	S1	G5	--	--
<i>Appaleptoneta sp. 1</i>	A Leptonetid Spider From Ghost River Cave Terrestrial cave obligate; reported from the northern Cumberlands.	S1	G1	--	--
<i>Arrhopalites sp. 4</i>	A Cave Springtail (species 1) Terrestrial cave obligate; middle Cumberlands.	S1	G1	--	--
<i>Atheta lucifuga</i>	Light Shunning Rove Beetle Terrestrial cave associate; reported from two caves in the Cumberland Plateau; Van Buren County.	S2	G4	--	--
<i>Cambarus pristinus</i>	Pristine Crayfish Under cover in small-large size streams; headwaters of Caney Fork River & abutting Sequatchie River tributaries; Cumberland Plateau.	S2	G2	E	--
<i>Carychium stygium</i>	Cave Thorn Cave obligate; feeds on cricket guano; Highland Rim & escarpment of Cumberland Plateau.	S2	G3	--	--
<i>Chaetaspis mollis</i>	A Cave Millipede Terrestrial cave obligate; central Cumberland Plateau; Van Buren County.	S1	G1	--	--
<i>Chaetaspis sp. 1</i>	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.	S1	G1	--	--
<i>Diacyclops yeatmani</i>	Yeatman's Groundwater Copepod Aquatic cave obligate; central & southern Cumberlands generally; possibly part of a species complex.	S1	G2G3	--	--
<i>Hypogastrura sp. 1</i>	A Viatica Group Springtail Terrestrial cave obligate; Van Buren County; known from one cave in the Cumberland Plateau.	S1	G1	--	--
<i>Kleptochthonius daemonius</i>	A Cave Obligate Pseudoscorpion Terrestrial cave obligate; Cumberland Plateau.	S1S2	G1G2	--	--
<i>Lithasia geniculata fuliginosa</i>	Geniculate River Snail Medium-sized river form of <i>L. geniculata</i> ; portions of lower Cumberland and lower Tennessee river systems; Duck & Buffalo rivers.	S2	G3T3Q	--	--
<i>Lithasia geniculata pinguis</i>	Small Geniculate River Snail Headwater form of <i>L. geniculata</i> , in small rivers and large streams, on gravel substrates; upper Duck & Caney Fork systems.	S2	G3T3Q	--	--
<i>Litocampa sp. 5</i>	A Cave Dipluran From TN Terrestrial cave obligate, Cumberland Plateau escarpment.	S1	G2	--	--
<i>Neanura sp. 1</i>	A Cave Obligate Springtail From TN Terrestrial cave obligate; Rumbling Falls area, Van Buren Co; known from a single cave.	S1	G1	--	--
<i>Nelsonites walteri</i>	A Cave Obligate Beetle Terrestrial cave obligate, northern Cumberlands.	S3	G3G4	--	--
<i>Nesticus tennesseensis</i>	Tennessee cave spider Terrestrial cave associate or possibly obligate; east Tennessee.	S2S4	G3G4	--	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Van Buren County . . . Continued

Known Species: 95

Invertebrate Animals: 35 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Onychiurus sp. 2</i>	A Cave Obligate Springtail From TN Terrestrial cave obligate, middle Cumberlands; reported from a single cave in Van Buren County.	S1	G1	--	--
<i>Orconectes australis</i>	Southern Cave Crayfish Aquatic cave obligate; subterranean streams & pools; Eastern Highland Rim escarpment to the Cumberland Plateau.	S3	G5	--	--
<i>Paravitrea variabilis</i>	Variable Supercoil In pockets of deep, moist leaf litter on forested hillsides & ravines; escarpment of Cumb. Plateau in Sequatchie Valley & Franklin Co.	S2S3	G2G3	--	--
<i>Pegias fabula</i>	Littlewing Pearlymussel Cool, clear, high-gradient streams in sand, gravel, and cobble substrates, riffles; portions of Cumberland & upper Tenn. river systems.	S1	G1	E	LE
<i>Phalangodes appalachius</i>	A Cave Obligate Harvestman Terrestrial cave obligate; Cumberland Plateau.	S3	G3G4	--	--
<i>Pleurobema gibberum</i>	Cumberland Pigtoe Shallow areas in small-medium rivers in riffles with sand and gravel substrates; tribs of Cumberland River & poss TN R, middle Tenn.	S1	G1	E	LE
<i>Pseudanophthalmus sp. 27</i>	Rumbling Falls Cave Beetle Terrestrial cave obligate; middle Cumberlands; Van Buren & White counties.	S1	G1	--	--
<i>Pseudanophthalmus vanburensis</i>	A Cave Obligate Beetle Terrestrial cave obligate; middle Cumberlands.	S1	G1	--	--
<i>Pseudosinella christianseni</i>	A Cave Obligate Springtail Terrestrial cave obligate; portions of Cumberland Plateau & Sequatchie Valley.	S2	G5	--	--
<i>Pseudosinella sp. 5</i>	A Cave Springtail From Swamp River Cave Terrestrial cave obligate; middle Cumberlands.	S1	G1	--	--
<i>Pseudosinella sp. 7 nr. nata</i>	A Springtail From Upper Cummings Cove Cave Terrestrial cave obligate; Van Buren Co.	S1	G1	--	--
<i>Pseudosinella spinosa</i>	A Cave Obligate Springtail Terrestrial cave obligate; middle and southern Cumberlands.	S2	G5	--	--
<i>Scoterpes ventus</i>	A Cave Obligate Millipede Terrestrial cave obligate; wet caves of the Cumberland Plateau & Sequatchie Valley.	S1	G1	--	--
<i>Speyeria diana</i>	Diana Fritillary Fields, edges, and openings in moist, rich, forested mountains and valleys; Blue Ridge & Cumberland Plateau generally.	S3	G3G4	--	--
<i>Theromaster sp. 1</i>	A Harvestman From Cummings Cove Cave Terrestrial cave associate; known from one cave in the Cumberland Plateau; Van Buren County.	S1	G1	--	--
<i>Trechus cumberlandus</i>	Cumberland Ground Beetle Terrestrial associate of caves, springs, sinkholes; escarpment of the Cumberland Plateau, generally.	S2	G2	--	--
<i>Triacanthella copelandi</i>	Copeland's Springtail Terrestrial cave associate; middle Cumberlands; also reported from Great Smoky Mtns.	S1	G1	--	--
Nonvascular Plants: 6		St. Rank	Global Rank	St. Prot.	Fed. Prot.



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Van Buren County . . . Continued

Known Species: 95

Nonvascular Plants: 6 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cololejeunea ornata</i>	Ornate Cololejeunea Sinks & High Humidity Areas On Limestone	S1	G2G4	T	--
<i>Lejeunea blomquistii</i>	Blomquist Leafy Liverwort Mid Elev. Gorges On Rock Or Bark	S1S2	G1G2	S	--
<i>Lejeunea sharpii</i>	Sharp's Lejeunea Calcareous Bluffs, Rock & Logs Of Wet Sinks	S1S2	G2G3	E	--
<i>Metzgeria uncigera</i>	Metzgeria Bark Of American Holly	S1	G3	S	--
<i>Plagiochila punctata</i>	Spotty featherwort Sandstone Bluffs And Cliffs	S1	G5	S	--
<i>Radula voluta</i>	A Liverwort Shady Moist Boulders By Waterfalls Or Streams	S2	G3	S	--
Vascular Plants: 34		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Acalypha deamii</i>	Deam's Copperleaf Mesic Woods-Sandbars	S1	G4?	S	--
<i>Acer leucoderme</i>	Chalk Maple Circumneutral Rocky Woods	S3	G5	S	--
<i>Allium burdickii</i>	Narrow-leaf Ramps Rich Woods	S1S2	G4G5	T-CE	--
<i>Berberis canadensis</i>	American Barberry Rocky Woods And River Bars	S2	G3	S	--
<i>Calopogon oklahomensis</i>	Oklahoma Grass-pink Acidic Wet Barrens	SH	G4?	E-P	--
<i>Castanea dentata</i>	American Chestnut Mesic To Dry Forests	S2S3	G4	S	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Dichanthelium ensifolium ssp. curtifolium</i>	Short-leaved Panic Grass Boggy Areas	S1	G3?	E	--
<i>Drosera capillaris</i>	Pink Sundew Acidic Wetlands	S1	G5	T	--
<i>Eleocharis equisetoides</i>	Horse-tail Spike-rush Pond Edges And Open Wetlands	S1	G4	E	--
<i>Gaylussacia dumosa</i>	Dwarf Huckleberry Barrens	S3	G5	T	--
<i>Helianthemum propinquum</i>	Low Frostweed Barrens	S1S2	G4	E	--
<i>Helianthus eggertii</i>	Eggert's Sunflower Barrens And Roadsides	S3	G3	S	DM



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Van Buren County . . . Continued

Known Species: 95

Vascular Plants: 34 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Hydrocotyle americana</i>	American Water-pennywort Wet Soils And Pools	S1	G5	E	--
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Lilium canadense</i>	Canada Lily Rich Woods And Seeps	S3	G5	T	--
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Lilium philadelphicum</i>	Wood Lily Dry Openings, Powerlines	S1	G5	E	--
<i>Lobelia canbyi</i>	Canby's Lobelia Oak Barrens, Wet Areas	S2S3	G4	T	--
<i>Nestronia umbellula</i>	Nestronia Upland Woods	S1	G4	E	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Pilularia americana</i>	American Pillwort Lake Drawdown Zones	S1S2	G5	S	--
<i>Platanthera integra</i>	Yellow Fringeless Orchid Wet Barrens	S1	G3G4	E	--
<i>Platanthera integrilabia</i>	White Fringeless Orchid Acidic Seeps And Stream Heads	S2S3	G2G3	E	C
<i>Poa saltuensis</i>	Drooping Bluegrass Rich Oak Woods	S1	G5	T	--
<i>Pogonia ophioglossoides</i>	Rose Pogonia Wet Acidic Barrens	S2	G5	E	--
<i>Rhynchospora rariflora</i>	Few-flowered Beak-rush Swamps And Bogs	S1	G5	E	--
<i>Rhynchospora wrightiana</i>	Wright's Beak-rush Wet Pine Barrens	SH	G5	E-P	--
<i>Spiraea virginiana</i>	Virginia Spiraea Stream Bars And Ledges	S2	G2	E	LT
<i>Thuja occidentalis</i>	Northern White Cedar Calcareous Rocky Seeps, Cliffs	S3	G5	S	--
<i>Utricularia subulata</i>	Zigzag Bladderwort Wet Barrens, Ecotones	S1	G5	T	--
<i>Woodwardia virginica</i>	Virginia Chainfern Acidic Wetlands	S2	G5	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Van Buren County . . . Continued

Known Species: 95

Vascular Plants: 34 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Xyris ambigua</i>	Coastal Plain Yellow-eyed Grass Margins Of Ponds, Bogs, And Ditches	S1	G5	E	--
Vertebrate Animals: 20		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aquila chrysaetos</i>	Golden Eagle Open country, open wooded country, and barren areas, especially in hilly or mountainous regions.	S1	G5	T	--
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Etheostoma sp. D</i>	Bluemask (Jewel) Darter Streams with slow to moderate current over clean sand and fine gravel; Caney Fork River system (above Great Falls Reservoir).	S1	G1	E	LE
<i>Falco peregrinus</i>	Peregrine Falcon Varied habitats including farmlands, marshes, river mouths, and cities; often nests on ledges.	S1B	G4	E	No Status
<i>Hemidactylium scutatum</i>	Four-toed Salamander Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee.	S3	G5	D	--
<i>Hyla gratiosa</i>	Barking Treefrog Low wet woods and swamps esp. with ephemeral ponds.	S3	G5	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis leibii</i>	Eastern Small-footed Myotis Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.	S2S3	G3	D	--
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Notropis rupestris</i>	Bedrock Shiner Bedrock pools of some low-gradient streams of the Nashville Basin.	S2	G2	D	--
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Sorex dispar</i>	Long-tailed Shrew Mountainous, forested areas with loose talus; east Tennessee.	S2	G4	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Van Buren County . . . Continued

Known Species: 95

Vertebrate Animals: 20 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Sorex hoyi</i>	American Pygmy Shrew Found in a variety of habitats, with moist sites preferred over dry areas; middle and east Tennessee.	S2	G5	--	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--

-- End of Van Buren --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Warren County

Known Species: 78

Invertebrate Animals: 21		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carychium stygium</i>	Cave Thorn Cave obligate; feeds on cricket guano; Highland Rim & escarpment of Cumberland Plateau.	S2	G3	--	--
<i>Daedalochila auriformis</i>	Rockpile Liptooth Wet, grassy habitats, generally in full sun; barrens & remnant prairies; Coffee & Warren counties; disjunct from central Alabama.	S1	G4	--	--
<i>Helicodiscus hadenoecus</i>	Cricket Coil Cave obligate; feeds on cricket guano; Eastern Highland Rim & Cumberland Plateau.	S3	G3	--	--
<i>Helicodiscus punctatellus</i>	Punctate Coil Limestone talus deposits, Eastern Highland Rim; Jackson County; known from Pleistocene fossil specimens; may not be extant in TN.	S1	G1	--	--
<i>Hesperochnes mirabilis</i>	Southeastern Cave Pseudoscorpion Terrestrial cave obligate; woodrat debris in caves; middle Tennessee.	S3	G5	--	--
<i>Kleptochthonius barri</i>	A Cave Obligate Pseudoscorpion Terrestrial cave obligate; southern Cumberlands.	S1S2	G1G2	--	--
<i>Leptoxis umbilicata</i>	Umbilicate Rocksnail Medium sized rivers & large creeks in portions of lower Cumb. and Tenn. river systems; Stones River; possibly a form or morph.	S1	G1Q	--	--
<i>Lithasia geniculata fuliginosa</i>	Geniculate River Snail Medium-sized river form of <i>L. geniculata</i> ; portions of lower Cumberland and lower Tennessee river systems; Duck & Buffalo rivers.	S2	G3T3Q	--	--
<i>Lithasia geniculata pinguis</i>	Small Geniculate River Snail Headwater form of <i>L. geniculata</i> , in small rivers and large streams, on gravel substrates; upper Duck & Caney Fork systems.	S2	G3T3Q	--	--
<i>Litocampa sp. 5</i>	A Cave Dipluran From TN Terrestrial cave obligate, Cumberland Plateau escarpment.	S1	G2	--	--
<i>Orconectes australis</i>	Southern Cave Crayfish Aquatic cave obligate; subterranean streams & pools; Eastern Highland Rim escarpment to the Cumberland Plateau.	S3	G5	--	--
<i>Pegias fabula</i>	Littlewing Pearlymussel Cool, clear, high-gradient streams in sand, gravel, and cobble substrates, riffles; portions of Cumberland & upper Tenn. river systems.	S1	G1	E	LE
<i>Phalangodes appalachius</i>	A Cave Obligate Harvestman Terrestrial cave obligate; Cumberland Plateau.	S3	G3G4	--	--
<i>Pleurobema gibberum</i>	Cumberland Pigtoe Shallow areas in small-medium rivers in riffles with sand and gravel substrates; tribs of Cumberland River & poss TN R, middle Tenn.	S1	G1	E	LE
<i>Pseudanophthalmus macradei</i>	A Cave Obligate Beetle Terrestrial cave obligate; middle Cumberlands.	S1S2	G1G2	--	--
<i>Pseudanophthalmus templetoni</i>	A Cave Obligate Beetle Terrestrial cave obligate; Collins River basin.	S1	G1	--	--
<i>Pseudanophthalmus vanburensis</i>	A Cave Obligate Beetle Terrestrial cave obligate; middle Cumberlands.	S1	G1	--	--
<i>Pseudosinella christianseni</i>	A Cave Obligate Springtail Terrestrial cave obligate; portions of Cumberland Plateau & Sequatchie Valley.	S2	G5	--	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Warren County . . . Continued

Known Species: 78

Invertebrate Animals: 21 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Pseudotremia acheron</i>	A Cave Obligate Millipede Terrestrial cave obligate; caves of the central Cumberlands; Warren & Van Buren counties.	S1	G1G2	--	--
<i>Tychobythinus strinatii</i>	A Cave Obligate Beetle Terrestrial cave obligate; middle Cumberlands.	S1S2	G1G2	--	--
<i>Vertigo clappi</i>	Cupped Vertigo In leaf litter and moss on forested hillsides; Blue Ridge; Monroe County.	S1	G1G2	--	--
Nonvascular Plants: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Palamocladium leskeoides</i>	Seepy Limestone Cliffs And Bluffs	S1	G3G5	T	--
Vascular Plants: 39		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aureolaria patula</i>	Spreading False-foxglove Oak Woods And Edges	S3	G3	S	--
<i>Carex barrattii</i>	Barratt's Sedge Wet Woods And Oak Barrens	S2	G4	E	--
<i>Dichantherium acuminatum ssp. leucothrix</i>	Roughish Witchgrass Moist Pine Barrens	S1	G4?Q	S	--
<i>Drosera brevifolia</i>	Dwarf Sundew Wet Barrens And Ecotones	S2	G5	T	--
<i>Eleocharis lanceolata</i>	Lance-like Spike-rush Wet Areas	S1	G4G5	S	--
<i>Eleocharis wolfii</i>	Wolf Spike-rush Wet Woods On Floodplains	S1	G3G4	E	--
<i>Eryngium integrifolium</i>	Blue-flower Coyote-thistle Wet Barrens	S1	G5	T	--
<i>Gaylussacia dumosa</i>	Dwarf Huckleberry Barrens	S3	G5	T	--
<i>Glyceria acutiflora</i>	Sharp-scaled Mannagrass Swamps,Ponds	S2	G5	S	--
<i>Gymnopogon brevifolius</i>	Broad-leaved Beardgrass Barrens	S1S2	G5	S	--
<i>Helianthemum propinquum</i>	Low Frostweed Barrens	S1S2	G4	E	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Hypericum adpressum</i>	Creeping St. John's-wort Edges Of Ponds And Lakes	S1	G3	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Warren County . . . Continued

Known Species: 78

Vascular Plants: 39 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Iris prismatica</i>	Slender Blue Flag Wet Barrens	S2S3	G4G5	T	--
<i>Juncus brachycephalus</i>	Small-headed Rush Seeps And Wet Bluffs	S2	G5	S	--
<i>Lathyrus palustris</i>	Marsh Pea Wet Woods & Marshes	S1	G5	S	--
<i>Lechea pulchella</i>	Leggett's Pinweed Barrens	S1	G5	E	--
<i>Lespedeza angustifolia</i>	Narrowleaf Bushclover Barrens	S2	G5	T	--
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Liparis loeselii</i>	Fen Orchis Calcareous Seeps	S1	G5	T	--
<i>Lobelia canbyi</i>	Canby's Lobelia Oak Barrens, Wet Areas	S2S3	G4	T	--
<i>Lycopodiella alopecuroides</i>	Foxtail Clubmoss Wet Acidic Barrens	S2	G5	T	--
<i>Lysimachia terrestris</i>	Swamp Loosestrife Wet Prairies And Swamps	S1	G5	E	--
<i>Lysimachia x producta</i>	Loosestrife Wet Meadows	S1	GNA	S	--
<i>Muhlenbergia torreyana</i>	Torrey's Dropseed Oak Barren Bogs	S1	G3	E	--
<i>Myriophyllum pinnatum</i>	Cutleaf Water-milfoil Acidic Wetland And Ponds	S1	G5	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Panicum hemitomon</i>	Maidencane Ponds In Barrens	S2	G5?	S	--
<i>Pedicularis lanceolata</i>	Swamp Lousewort Wet Acidic Barrens And Seeps	S1S2	G5	S	--
<i>Platanthera integra</i>	Yellow Fringeless Orchid Wet Barrens	S1	G3G4	E	--
<i>Pogonia ophioglossoides</i>	Rose Pogonia Wet Acidic Barrens	S2	G5	E	--
<i>Polygala nana</i>	Dwarf Milkwort Wet Acidic Barrens	S1	G5	E	--
<i>Ponthieva racemosa</i>	Shadow-witch Wet Woods	S1	G4G5	E	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Warren County . . . Continued

Known Species: 78

Vascular Plants: 39 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Rhynchospora chalarocephala</i>	Loose-headed Beakrush Wet Barrens	S1	G5	T	--
<i>Rhynchospora perplexa</i>	Obscure Beak-rush Marshes, Wet Barrens	S2	G5	T	--
<i>Rhynchospora rariflora</i>	Few-flowered Beak-rush Swamps And Bogs	S1	G5	E	--
<i>Spiranthes lucida</i>	Shining Ladies'-tresses Alluvial Woods And Moist Slopes	S1S2	G5	T	--
<i>Xyris laxifolia</i> var. <i>iridifolia</i>	Wide-leaved Yellow-eyed Grass Pond Margins And Marshes	S2	G4G5T4T5	T	--
<i>Zigadenus leimanthoides</i>	Death-camas Acidic Wetlands	S2	G4Q	T	--
Vertebrate Animals: 17		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Etheostoma forbesi</i>	Barrens Darter Headwaters of the Barren Fork & Hickory Creek drainages; Cumberland River watershed.	S1	G1G2	E	--
<i>Etheostoma luteovinctum</i>	Redband Darter Limestone streams; Nashville Basin & portions of Highland Rim.	S4	G4	D	--
<i>Etheostoma</i> sp. <i>D</i>	Bluemask (Jewel) Darter Streams with slow to moderate current over clean sand and fine gravel; Caney Fork River system (above Great Falls Reservoir).	S1	G1	E	LE
<i>Fundulus julisia</i>	Barrens Topminnow Springs, spring runs, and first- and second-order headwaters and creeks in the Barrens of Cannon, Coffee, & Warren counties.	S1	G1	E	--
<i>Gyrinophilus palleucus</i>	Tennessee Cave Salamander Aquatic cave obligate; cave streams & rimstone pools; Central Basin, Eastern Highland Rim, & Cumberland Plateau.	S2	G2G3	T	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Hyla gratiosa</i>	Barking Treefrog Low wet woods and swamps esp. with ephemeral ponds.	S3	G5	D	--
<i>Ixobrychus exilis</i>	Least Bittern Marshes with scattered bushes or other woody growth; readily uses artificial wetland habitats.	S2B	G5	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Warren County . . . Continued

Known Species: 78

Vertebrate Animals: 17 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Myotis leibii</i>	Eastern Small-footed Myotis Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.	S2S3	G3	D	--
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Notropis rupestris</i>	Bedrock Shiner Bedrock pools of some low-gradient streams of the Nashville Basin.	S2	G2	D	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--

-- End of Warren --



Tennessee Natural Heritage Program Rare Species Observations For Tennessee Counties



Washington County

Known Species: 44

Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Southern Appalachian Spray Cliff</i>	Southern Appalachian Spray Cliff	SNR	GNR	--	--
Invertebrate Animals: 5		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Discus bryanti</i>	Sawtooth Disc Leaf litter in rocky upland woods, under rotting logs; northeast Tennessee; Blue Ridge.	S1S2	G3	--	--
<i>Paravitrea tridens</i>	White-foot Supercoil Moist leaf litter on wooded hillsides; northeast Tennessee; Ridge & Valley and Blue Ridge.	S2	G2	--	--
<i>Pilsbryna aurea</i>	Ornate Bud Deep, wet leaves of karstic forests & hills, near streams; assoc. with limestone/dolomite outcrops; Unicoi, Washington, & Blount cos.	S1	G1	--	--
<i>Speyeria diana</i>	Diana Fritillary Fields, edges, and openings in moist, rich, forested mountains and valleys; Blue Ridge & Cumberland Plateau generally.	S3	G3G4	--	--
<i>Vertigo parvula</i>	Smallmouth Vertigo In leaf litter and on logs in upland forests with limestone outcrops or talus; Blue Ridge; Washington & Unicoi counties.	S2S3	G3	--	--
Vascular Plants: 23		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Adlumia fungosa</i>	Climbing Fumitory Rich Mesic Woods	S2	G4	T	--
<i>Berberis canadensis</i>	American Barberry Rocky Woods And River Bars	S2	G3	S	--
<i>Botrychium matricariifolium</i>	Chamomile Grapefern Mountain Woods And Thickets	S1	G5	S	--
<i>Botrychium oneidense</i>	Blunt-lobed Grapefern Moist Forests	S1	G4Q	S	--
<i>Buckleya distichophylla</i>	Piratebush Rocky Mountain Woods W/ Hemlock	S2	G2	T	--
<i>Cardamine clematidis</i>	Mountain Bittercress High Elevation Seeps	S2	G3	T	--
<i>Cypripedium acaule</i>	Pink Lady's-slipper Piney Woods	S4	G5	S-CE	--
<i>Diervilla sessilifolia var. rivularis</i>	Mountain Bush-honeysuckle Dry Cliffs And Bluffs	S2	G3	T	--
<i>Draba ramosissima</i>	Branching Whitlow-grass Calcareous Bluffs	S2	G4	S	--
<i>Gentiana austromontana</i>	Appalachian Gentian High Elevation Open Woods	S3	G3	S	--
<i>Goodyera repens</i>	Dwarf Rattlesnake-plantain Moist Conifer/Rhododendron Woods	S1	G5	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Washington County . . . Continued

Known Species: 44

Vascular Plants: 23 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Hydrocotyle americana</i>	American Water-pennywort Wet Soils And Pools	S1	G5	E	--
<i>Lonicera canadensis</i>	American Fly-honeysuckle Mountain Woods And Streams	S1	G5	T	--
<i>Lonicera dioica</i>	Mountain Honeysuckle Mountain Woods And Thickets	S2	G5	S	--
<i>Melanthium latifolium</i>	Broadleaf Bunchflower Oak Forest	S1S2	G5	E	--
<i>Oenothera parviflora</i>	Northern Evening-primrose Disturbed Open Areas	S1	G4?	S	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Polygonum cilinode</i>	Fringed Black Bindweed Dry Rocky Woods And Thickets	S1S2	G5	T	--
<i>Silene caroliniana ssp. pennsylvanica</i>	Carolina Pink Rocky Bluffs	S1S2	G5T4T5	T	--
<i>Thuja occidentalis</i>	Northern White Cedar Calcareous Rocky Seeps, Cliffs	S3	G5	S	--
<i>Trillium rugelii</i>	Southern Nodding Trillium Rich Mountain Woods	S2	G3	E	--
<i>Tsuga caroliniana</i>	Carolina Hemlock Dry Ridges	S3	G3	T	--

Vertebrate Animals: 15		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ardea alba</i>	Great Egret Marshes, swampy woods, streams, lakes, and ponds; also fields and meadows; colonial nester.	S2B,S3N	G5	D	--
<i>Carpionodes velifer</i>	Highfin Carpsucker Large rivers, mostly in Tennessee River drainage.	S2S3	G4G5	D	--
<i>Corvus corax</i>	Common Raven Hilly or mountainous areas, esp near cliffs; nests usually on cliff ledges or in coniferous trees.	S2	G5	T	--
<i>Etheostoma acuticeps</i>	Sharphead Darter Strongly flowing water in riffles and chutes of large upland creeks and medium-sized rivers.	S2S3	G3	--	--
<i>Haliaeetus leucocephalus</i>	Bald Eagle Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	S3	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Washington County . . . Continued

Known Species: 44

Vertebrate Animals: 15 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Mustela nivalis</i>	Least Weasel Old fields, hedgerows, and forested areas; Appalachian Mountains, Ridge & Valley, & Cumberland Plateau.	S2	G5	--	--
<i>Napaeozapus insignis</i>	Woodland Jumping Mouse Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	S4	G5	D	--
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Passerculus sandwichensis</i>	Savannah Sparrow Grassland habitats, away from cultivated fields and fence lines; reported from Ridge & Valley and Western Highland Rim.	S1B,S4N	G5	--	--
<i>Percina aurantiaca</i>	Tangerine Darter Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles.	S3	G4	D	--
<i>Phoxinus tennesseensis</i>	Tennessee Dace First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	S3	G3	D	--
<i>Sorex fumeus</i>	Smoky Shrew Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	S4	G5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--

-- End of Washington --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Wayne County

Known Species: 35

Invertebrate Animals: 4		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Hemistena lata</i>	Cracking Pearlymussel Medium-sized rivers of mod current, deeply buried in mud, sand, gravel, and cobble substrates; Tennessee & Cumb. river systems.	S1	G1	E	LE
<i>Lithasia geniculata fuliginosa</i>	Geniculate River Snail Medium-sized river form of <i>L. geniculata</i> ; portions of lower Cumberland and lower Tennessee river systems; Duck & Buffalo rivers.	S2	G3T3Q	--	--
<i>Ophiogomphus acuminatus</i>	Acuminate Snaketail Clear, mostly shaded streams with at least pockets of sandy gravel; Western Highland Rim & Western Uplands.	S2	G3	--	--
<i>Orconectes alabamensis</i>	Alabama Crayfish Small-medium sized streams, in pools under rocks; Tennessee River tributaries from Shoal Creek downstream to the Buffalo River.	S2	G5	D	--
Vascular Plants: 14		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Apios priceana</i>	Price's Potato-bean Openings In Rich Woods	S2	G2	E	LT
<i>Arabis glabra</i>	Tower-mustard Barrens And Open Floodplains	S1	G5	S	--
<i>Arabis hirsuta</i>	Western Hairy Rockcress Glades And Limestone Bluffs	S1	G5	T	--
<i>Carex hirtifolia</i>	Pubescent Sedge Lowland Forests	S1S2	G5	S	--
<i>Draba cuneifolia</i>	Wedge-leaved Whitlow-grass Barrens And Glades	S1S2	G5	S	--
<i>Erythronium rostratum</i>	Beaked Trout-lily Mesic Woods And Slopes	S2	G5	S	--
<i>Hasteola suaveolens</i>	Sweet-scented Indian-plantain Alluvial Woods, Moist Slopes	S2	G4	T	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Juncus brachycephalus</i>	Small-headed Rush Seeps And Wet Bluffs	S2	G5	S	--
<i>Leavenworthia exigua var. exigua</i>	Glade-cress Glades	S3	G4T3	S	--
<i>Lilium michiganense</i>	Michigan Lily Swamps And Open Wet Woods	S3	G5	T	--
<i>Liparis loeselii</i>	Fen Orchis Calcareous Seeps	S1	G5	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Prenanthes barbata</i>	Bearded Rattlesnake-root Barrens And Dry Woodlands	S2	G3	S	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Wayne County . . . Continued

Known Species: 35

Vertebrate Animals: 17		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Etheostoma aquali</i>	Coppercheek Darter Primarily in deep riffles, runs, and flowing pools; Duck and Buffalo River watersheds.	S2S3	G2G3	T	--
<i>Etheostoma boschungii</i>	Slackwater Darter Gravel-bottomed creeks and small rivers; spawns in seepage water in fields and open woods.	S1	G1	T	LT
<i>Etheostoma cinereum</i>	Ashy Darter Small to medium upland rivers with bedrock or gravel substrate and boulders.	S2S3	G2G3	T	--
<i>Etheostoma corona</i>	Crown Darter Rocky pools and adjacent riffles of headwaters, creeks, and small rivers; Cypress Creek watershed.	S1S2	G3	E	--
<i>Etheostoma neopterum</i>	Lollypop Darter Small to medium sized, gravelly, cool, spring-fed streams; Shoal Creek watershed.	S1S2	G3	--	--
<i>Hemitremia flammea</i>	Flame Chub Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	S3	G3	D	--
<i>Ichthyomyzon gagei</i>	Southern Brook Lamprey Gravel and sand riffles and runs of small rivers and creeks; Conasauga & lower Tennessee river watersheds.	S1	G5	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Noturus fasciatus</i>	Saddled Madtom Rocky riffles, runs, and flowing pools of clear creeks & small rivers; Duck River system and nearby tributaries of the Tennessee River.	S2	G2	T	--
<i>Percina burtoni</i>	Blotchside Logperch Large creeks and small-medium rivers with low turbidity and gravel-cobble substrates; Tennessee & Cumberland river watersheds.	S2	G2G3	D	--
<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	S3	G4T4	T	--
<i>Sistrurus miliarius streckeri</i>	Western Pygmy Rattlesnake Usually near water in river floodplains, swamps, marshes, and wet prairies; occas drier wooded uplands; W half of Tenn., generally.	S2S3	G5T5	T	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--

-- End of Wayne --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Weakley County

Known Species: 14

Invertebrate Animals: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Fallicambarus hortonii</i>	Hatchie Burrowing Crayfish Primary burrower; uses saturated or seasonally saturated soils associated with permanent bodies of water; Mississippi River tributaries, Coastal Plain.	S1	G1	E	--
Other Types: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 3		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Crataegus harbisonii</i>	Harbison's Hawthorn Dry Rocky Calcareous Woods	S1	G1	E	--
<i>Didiplis diandra</i>	Water-purslane Swamps	S1	G5	T	--
<i>Helianthus occidentalis</i>	Naked-stem Sunflower Limestone Glades And Barrens; Roadsides	S2	G5	S	--
Vertebrate Animals: 9		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Etheostoma pyrrhogaster</i>	Firebelly Darter Sand- and gravel-bottomed pools of headwaters, creeks, and small rivers; upper Coastal Plain; west Tennessee.	S2	G2G3	D	--
<i>Ictinia mississippiensis</i>	Mississippi Kite Undisturbed stands of lowland and floodplain forests and along major rivers.	S2S3	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Noturus gladiator</i>	Piebald Madtom Large creeks & rivers in moderate-swift currents with clean sand or gravel substrates; Mississippi River tributaries.	S3	G3	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Synaptomys cooperi</i>	Southern Bog Lemming Marshy meadows, wet balds, & rich upland forests.	S4	G5	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--
<i>Zapus hudsonius</i>	Meadow Jumping Mouse Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	S4	G5	D	No Status

-- End of Weakley --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



White County

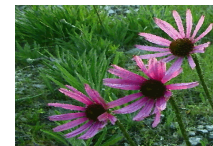
Known Species: 51

Invertebrate Animals: 19		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Aloconota diversiseta</i>	A Rove Beetle Terrestrial cave obligate; Cumberland Plateau.	S1	G1	--	--
<i>Appaleptoneta sp. 1</i>	A Leptonetid Spider From Ghost River Cave Terrestrial cave obligate; reported from the northern Cumberlands.	S1	G1	--	--
<i>Cambarus pristinus</i>	Pristine Crayfish Under cover in small-large size streams; headwaters of Caney Fork River & abutting Sequatchie River tributaries; Cumberland Plateau.	S2	G2	E	--
<i>Folsomia sp. 2 nr. macrochaeta</i>	A Springtail From Indian Cave Terrestrial cave obligate; middle Cumberlands; White County.	S1	G1	--	--
<i>Helicodiscus hadenoecus</i>	Cricket Coil Cave obligate; feeds on cricket guano; Eastern Highland Rim & Cumberland Plateau.	S3	G3	--	--
<i>Helicodiscus punctatellus</i>	Punctate Coil Limestone talus deposits, Eastern Highland Rim; Jackson County; known from Pleistocene fossil specimens; may not be extant in TN.	S1	G1	--	--
<i>Hesperochernes mirabilis</i>	Southeastern Cave Pseudoscorpion Terrestrial cave obligate; woodrat debris in caves; middle Tennessee.	S3	G5	--	--
<i>Kleptochthonius daemonius</i>	A Cave Obligate Pseudoscorpion Terrestrial cave obligate; Cumberland Plateau.	S1S2	G1G2	--	--
<i>Lithasia geniculata pinguis</i>	Small Genuculate River Snail Headwater form of <i>L. geniculata</i> , in small rivers and large streams, on gravel substrates; upper Duck & Caney Fork systems.	S2	G3T3Q	--	--
<i>Litocampa sp. 5</i>	A Cave Dipluran From TN Terrestrial cave obligate, Cumberland Plateau escarpment.	S1	G2	--	--
<i>Orconectes australis</i>	Southern Cave Crayfish Aquatic cave obligate; subterranean streams & pools; Eastern Highland Rim escarpment to the Cumberland Plateau.	S3	G5	--	--
<i>Pleurobema gibberum</i>	Cumberland Pigtoe Shallow areas in small-medium rivers in riffles with sand and gravel substrates; tribs of Cumberland River & poss TN R, middle Tenn.	S1	G1	E	LE
<i>Pseudanophthalmus sp. 27</i>	Rumbling Falls Cave Beetle Terrestrial cave obligate; middle Cumberlands; Van Buren & White counties.	S1	G1	--	--
<i>Pseudosinella christianseni</i>	A Cave Obligate Springtail Terrestrial cave obligate; portions of Cumberland Plateau & Sequatchie Valley.	S2	G5	--	--
<i>Pseudosinella sp. 5</i>	A Cave Springtail From Swamp River Cave Terrestrial cave obligate; middle Cumberlands.	S1	G1	--	--
<i>Pseudosinella sp. 6</i>	A Springtail From Indian Cave Terrestrial cave obligate; White County. Reported from a single cave.	S1	G1	--	--
<i>Scoterpes ventus</i>	A Cave Obligate Millipede Terrestrial cave obligate; wet caves of the Cumberland Plateau & Sequatchie Valley.	S1	G1	--	--
<i>Trechus cumberlandus</i>	Cumberland Ground Beetle Terrestrial associate of caves, springs, sinkholes; escarpment of the Cumberland Plateau, generally.	S2	G2	--	--



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



White County . . . Continued	Known Species: 51
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Invertebrate Animals: 19 . . . Continued	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Triacanthella copelandi</i> Copeland's Springtail <small>Terrestrial cave associate; middle Cumberlands; also reported from Great Smoky Mtns.</small>	S1	G1	--	--
Nonvascular Plants: 1	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Palamocladium leskeoides</i> <small>Seepy Limestone Cliffs And Bluffs</small>	S1	G3G5	T	--
Vascular Plants: 18	St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ceratophyllum echinatum</i> Prickly Hornwort <small>Slow Moving Streams</small>	S1	G4?	S	--
<i>Conradina verticillata</i> Cumberland Rosemary <small>Sandy, Rocky River Banks And Bars</small>	S3	G3	T	LT
<i>Eriocaulon decangulare</i> Ten-angle Pipewort <small>Acidic Wetlands</small>	S1	G5	E	--
<i>Eryngium integrifolium</i> Blue-flower Coyote-thistle <small>Wet Barrens</small>	S1	G5	T	--
<i>Fuirena squarrosa</i> Hairy Umbrella-sedge <small>Stream And Lake Margins</small>	S1	G4G5	S	--
<i>Glyceria acutiflora</i> Sharp-scaled Mannagrass <small>Swamps,Ponds</small>	S2	G5	S	--
<i>Hydrastis canadensis</i> Goldenseal <small>Rich Woods</small>	S3	G4	S-CE	--
<i>Lilium canadense</i> Canada Lily <small>Rich Woods And Seeps</small>	S3	G5	T	--
<i>Lilium michiganense</i> Michigan Lily <small>Swamps And Open Wet Woods</small>	S3	G5	T	--
<i>Ludwigia sphaerocarpa</i> Globe-fruited False-loosestrife <small>Swamps And Shallow Pools</small>	S1	G5	T	--
<i>Lysimachia terrestris</i> Swamp Loosestrife <small>Wet Prairies And Swamps</small>	S1	G5	E	--
<i>Myriophyllum pinnatum</i> Cutleaf Water-milfoil <small>Acidic Wetland And Ponds</small>	S1	G5	T	--
<i>Platanthera flava var. herbiola</i> Tubercled Rein-orchid <small>Swamps And Floodplains</small>	S2	G4T4Q	T	--
<i>Ribes curvatum</i> Granite Gooseberry <small>Rocky Woods</small>	S1	G4	T	--
<i>Spiraea virginiana</i> Virginia Spiraea <small>Stream Bars And Ledges</small>	S2	G2	E	LT



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



White County . . . Continued

Known Species: 51

Vascular Plants: 18 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Torreyochloa pallida</i>	Pale Manna Grass Pond And Stream Margins	S1	G5	S	--
<i>Xyris ambigua</i>	Coastal Plain Yellow-eyed Grass Margins Of Ponds, Bogs, And Ditches	S1	G5	E	--
<i>Xyris laxifolia</i> var. <i>iridifolia</i>	Wide-leaved Yellow-eyed Grass Pond Margins And Marshes	S2	G4G5T4T5	T	--
Vertebrate Animals: 13		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat Caves, hollow trees, abandoned buildings; often associated with forested areas.	S3	G3G4	D	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Etheostoma</i> sp. <i>D</i>	Bluemask (Jewel) Darter Streams with slow to moderate current over clean sand and fine gravel; Caney Fork River system (above Great Falls Reservoir).	S1	G1	E	LE
<i>Falco peregrinus</i>	Peregrine Falcon Varied habitats including farmlands, marshes, river mouths, and cities; often nests on ledges.	S1B	G4	E	No Status
<i>Hyla gratiosa</i>	Barking Treefrog Low wet woods and swamps esp. with ephemeral ponds.	S3	G5	D	--
<i>Limnothlypis swainsonii</i>	Swainson's Warbler Mature, rich, damp, deciduous floodplain and swamp forests.	S3	G4	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Myotis sodalis</i>	Indiana Myotis Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	S1	G2	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Notropis rupestris</i>	Bedrock Shiner Bedrock pools of some low-gradient streams of the Nashville Basin.	S2	G2	D	--
<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	S3	G5T5	D	--
<i>Sorex longirostris</i>	Southeastern Shrew Various habitats including wet meadows, damp woods, and uplands; statewide.	S4	G5	D	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--

-- End of White --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Williamson County

Known Species: 24

Ecological Systems: 1		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Carex lurida</i> - <i>Carex leptalea</i> - <i>Parnassia grandifolia</i> - <i>Juncus</i> <i>brachycephalus</i> - (<i>Xyris</i> <i>tennesseensis</i>) <i>Herbaceous</i> <i>Vegetation</i>	Highland Rim Parnassia Seepage Fen	SNR	G1	--	--
Invertebrate Animals: 2		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Ophiogomphus acuminatus</i>	Acuminate Snaketail Clear, mostly shaded streams with at least pockets of sandy gravel; Western Highland Rim & Western Uplands.	S2	G3	--	--
<i>Orconectes shoupi</i>	Nashville Crayfish 1st-order & larger streams, generally with bedrock bottom, under slabrock; endemic to Mill Creek watershed; Davidson & William. cos.	S1S2	G1G2	E	LE
Vascular Plants: 16		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Apios priceana</i>	Price's Potato-bean Openings In Rich Woods	S2	G2	E	LT
<i>Asclepias purpurascens</i>	Purple Milkweed Barrens	S1	G5?	S	--
<i>Astragalus tennesseensis</i>	Tennessee Milk-vetch Glades	S3	G3	S	--
<i>Carex oxylepis</i> var. <i>pubescens</i>	Hairy Sharp-scaled Sedge Wooded Bluffs, Floodplains	S1	G5?T3	S	--
<i>Castanea dentata</i>	American Chestnut Mesic To Dry Forests	S2S3	G4	S	--
<i>Dalea foliosa</i>	Leafy Prairie-clover Rocky Washes In Glades	S2S3	G2G3	E	LE
<i>Erythronium rostratum</i>	Beaked Trout-lily Mesic Woods And Slopes	S2	G5	S	--
<i>Helianthus eggertii</i>	Eggert's Sunflower Barrens And Roadsides	S3	G3	S	DM
<i>Juglans cinerea</i>	Butternut Rich Woods And Hollows	S3	G4	T	--
<i>Juncus brachycephalus</i>	Small-headed Rush Seeps And Wet Bluffs	S2	G5	S	--
<i>Leavenworthia exigua</i> var. <i>exigua</i>	Glade-cress Glades	S3	G4T3	S	--
<i>Lesquerella densipila</i>	Duck River Bladderpod Cultivated Fields	S3	G3	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Williamson County . . . Continued

Known Species: 24

Vascular Plants: 16 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Parnassia grandifolia</i>	Large-leaved Grass-of-parnassus Calcareous Seeps	S3	G3	S	--
<i>Perideridia americana</i>	Thicket Parsley Cedar Barrens	S2	G4	E	--
<i>Stellaria fontinalis</i>	Water Stitchwort Seeps And Limestone Creek Beds	S3	G3	T	--
Vertebrate Animals: 5		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Accipiter striatus</i>	Sharp-shinned Hawk Forests and open woodlands.	S3B,S4N	G5	D	No Status
<i>Dendroica cerulea</i>	Cerulean Warbler Mature deciduous forest, particularly in floodplains or mesic conditions.	S3B	G4	D	--
<i>Etheostoma luteovinctum</i>	Redband Darter Limestone streams; Nashville Basin & portions of Highland Rim.	S4	G4	D	--
<i>Etheostoma microlepidum</i>	Smallscale Darter Small rivers, in deep, strongly flowing riffles with gravel, boulder, and coarse rubble substrates; Cumberland River drainage.	S2	G2G3	D	--
<i>Percina phoxocephala</i>	Slenderhead Darter Small-large rivers with moderate gradient in shoal areas with moderate-swift currents; portions of Tenn & Cumb river watersheds.	S3	G5	D	--

-- End of Williamson --



Tennessee Natural Heritage Program

Rare Species Observations For Tennessee Counties



Wilson County **Known Species: 48**

Invertebrate Animals: 5	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Epioblasma brevidens</i>	Cumberlandian Combshell	S1	G1	E	LE
Large creeks to large rivers, in coarse sand or mixtures of gravel, cobble, or rocks; Tennessee & Cumberland river systems.					
<i>Epioblasma obliquata obliquata</i>	Catspaw	S1	G1T1	E	LE
Medium-large rivers, in sand and gravel substrates in runs and riffles; Tennessee & Cumberland river systems.					
<i>Gomphus sandrius</i>	Tennessee Clubtail	S1	G1	--	--
Slow streams with bare bedrock shores; Central Basin; upper Duck River and middle Cumberland River watersheds.					
<i>Lampsilis abrupta</i>	Pink Mucket	S2	G2	E	LE
Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.					
<i>Pseudanophthalmus acherontis</i>	Echo Cave Beetle	S1	G1	--	--
Terrestrial cave obligate; Central Basin; reported from Wilson & Rutherford counties.					
Other Types: 1	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Heron rookery</i>	Heron Rookery	SNR	GNR	--	--
Vascular Plants: 30	St. Rank	Global Rank	St. Prot.	Fed. Prot.	
<i>Allium stellatum</i>	Glade Onion Glades	S1	G5	E	--
<i>Ammoselinum popei</i>	Pope's Sand-parsley Glades	S2	G4	T	--
<i>Amsonia tabernaemontana var. gattingeri</i>	Limestone Blue Star Glades, Barrens, And Rocky River Bars	S3	G5T3Q	S	--
<i>Anemone caroliniana</i>	Carolina Anemone Glades And Cedar Woodlands	S1S2	G5	E	--
<i>Arabis hirsuta</i>	Western Hairy Rockcress Glades And Limestone Bluffs	S1	G5	T	--
<i>Arabis perstellata</i>	Braun's Rockcress Limestone Bluffs	S1	G2	E	LE
<i>Astragalus tennesseensis</i>	Tennessee Milk-vetch Glades	S3	G3	S	--
<i>Dalea candida</i>	White Prairie-clover Barrens	S2	G5	S	--
<i>Dalea foliosa</i>	Leafy Prairie-clover Rocky Washes In Glades	S2S3	G2G3	E	LE
<i>Dalea purpurea</i>	Purple Prairie-clover Barrens	S1	G5	E	--
<i>Diarrhena obovata</i>	Beak Grass Moist Calcareous Ledges, Upland Woods	S1	G4G5	S	--



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Wilson County . . . Continued

Known Species: 48

Vascular Plants: 30 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Echinacea tenesseeensis</i>	Tennessee Coneflower Ordovician Limestone Glades	S2	G2	E	LE
<i>Evolvulus nuttallianus</i>	Evolvulus Glades	S3	G5	S	--
<i>Helianthus occidentalis</i>	Naked-stem Sunflower Limestone Glades And Barrens; Roadsides	S2	G5	S	--
<i>Hydrastis canadensis</i>	Goldenseal Rich Woods	S3	G4	S-CE	--
<i>Leavenworthia exigua var. exigua</i>	Glade-cress Glades	S3	G4T3	S	--
<i>Lesquerella perforata</i>	Spring Creek Bladderpod Cultivated Fields, Floodplains & Outcrops	S1	G1	E	LE
<i>Mirabilis albida</i>	Pale Umbrella-wort Glades	S2	G5	T	--
<i>Oenothera macrocarpa</i>	Missouri Primrose Limestone Cedar Glades	S2	G5	T	--
<i>Panax quinquefolius</i>	American Ginseng Rich Woods	S3S4	G3G4	S-CE	--
<i>Phlox bifida ssp. stellaria</i>	Glade Cleft Phlox Glades	S3	G5?T3	T	--
<i>Phlox pilosa ssp. ozarkana</i>	Ozark Downy Phlox Rocky, Dry Open Woods	S1S2	G5T4?	S	--
<i>Schoenolirion croceum</i>	Yellow Sunnybell Wet Areas In Glades	S3	G4	T	--
<i>Scleria verticillata</i>	Low Nutrush Wet Prairies And Fens	S2	G5	S	--
<i>Silphium pinnatifidum</i>	Southern Prairie-dock Barrens	S2	G3Q	T	--
<i>Sporobolus heterolepis</i>	Northern Dropseed Limestone Glades And Barrens	S1	G5	S	--
<i>Stellaria fontinalis</i>	Water Stitchwort Seeps And Limestone Creek Beds	S3	G3	T	--
<i>Talinum calcaricum</i>	Limestone Fame-flower Glades	S3	G3	S	--
<i>Vitis rupestris</i>	Sand Grape Sandy, Rocky Riverbanks	S1	G3	E	--
<i>Zanthoxylum americanum</i>	Northern Prickly-ash Cedar Thickets	S2	G5	S	--

Vertebrate Animals: 12

St. Rank Global Rank St. Prot. Fed. Prot.



Tennessee Natural Heritage Program
Rare Species Observations For
Tennessee Counties



Wilson County . . . Continued

Known Species: 48

Vertebrate Animals: 12 . . . Continued		St. Rank	Global Rank	St. Prot.	Fed. Prot.
<i>Chondestes grammacus</i>	Lark Sparrow Open habitats with scattered bushes and trees, prairie, cultivated areas, fields with bushy borders; ground nester.	S1B	G5	T	--
<i>Cryptobranchus alleganiensis</i>	Hellbender Rocky, clear creeks and rivers with large shelter rocks.	S3	G3G4	D	No Status
<i>Etheostoma olivaceum</i>	Sooty Darter Small streams with slabrock on limestone bedrock; Nashville Basin tribs to Cumberland & lower Caney Fork rivers.	S3	G3	D	--
<i>Gyrinophilus palleucus</i>	Tennessee Cave Salamander Aquatic cave obligate; cave streams & rimstone pools; Central Basin, Eastern Highland Rim, & Cumberland Plateau.	S2	G2G3	T	--
<i>Macrochelys temminckii</i>	Alligator Snapping Turtle Slow moving, deep water of rivers, sloughs, oxbows, swamps, and lakes; middle and west Tennessee; obscure.	S2S3	G3G4	D	--
<i>Myotis grisescens</i>	Gray Myotis Cave obligate year-round; frequents forested areas; migratory.	S2	G3	E	LE
<i>Neotoma magister</i>	Allegheny Woodrat Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	S3	G3G4	D	--
<i>Notropis rupestris</i>	Bedrock Shiner Bedrock pools of some low-gradient streams of the Nashville Basin.	S2	G2	D	--
<i>Percina phoxocephala</i>	Slenderhead Darter Small-large rivers with moderate gradient in shoal areas with moderate-swift currents; portions of Tenn & Cumb river watersheds.	S3	G5	D	--
<i>Thryomanes bewickii</i>	Bewick's Wren Brushy areas, thickets and scrub in open country, open and riparian woodland.	S1	G5	E	--
<i>Typhlichthys subterraneus</i>	Southern Cavefish Aquatic cave obligate; cave streams, karst waters, and water supply wells; reported from all karst regions excluding RV & BR.	S3	G3G4	D	--
<i>Tyto alba</i>	Barn Owl Open and partly open country, often around human habitation; farms.	S3	G5	D	--

-- End of Wilson --