



Rare Species by Watershed Rare Species by County Rare Species by Quadrangle Stormwater Programs

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Rare Species by County

Data Current as of June 2017.

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| County | Type | Category | Scientific Name | Common Name | Global Rank | State Rank | Fed. Status | State Status | Habitat | Wet Habitat Flag |
|----------|---------------------|--------------------|---|--------------------------|-------------|------------|-------------|------------------------|--|------------------|
| Roane | Vertebrate Animal | Bird | Accipiter striatus | Sharp-shinned Hawk | G5 | S3B,S4N | No Status | D | Forests and open woodlands. | Upland |
| Roane | Vascular Plant | Flowering Plant | Agalinis auriculata | Earleaved False-foxglove | G3 | S2 | -- | E | Barrens | Upland |
| Roane | Vertebrate Animal | Bird | Aimophila aestivalis | Bachman's Sparrow | G3 | S1B | -- | E | Dry open pine or oak woods; nests on the ground in dense cover. | Upland |
| Roane | Vertebrate Animal | Amphibian | Aneides aeneus | Green Salamander | G3G4 | S3S4 | -- | Rare, Not State Listed | Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs. | Upland |
| Roane | Vascular Plant | Fern and Fern Ally | Asplenium scolopendrium var. americanum | Hart's-tongue Fern | G4T3 | S1 | LT | E | Sinks | Possible |
| Roane | Vascular Plant | Flowering Plant | Aureolaria patula | Spreading False-foxglove | G3 | S3 | -- | S | Oak Woods And Edges | Upland |
| Roane | Vascular Plant | Flowering Plant | Bolboschoenus fluviatilis | River Bulrush | G5 | S1 | -- | S | Marshes | Possible |
| Roane | Invertebrate Animal | Crustacean | Caecidotea incurva | Incurved Cave Isopod | G2G4 | S1 | -- | Rare, Not State Listed | Aquatic cave obligate; known from two wet caves in east Tennessee. | Aquatic |
| Roane | Invertebrate Animal | Crustacean | Cambarus deweesae | Valley Flame Crayfish | G4 | S1 | -- | E | Primary burrower; open areas with high water tables; northern Ridge & Valley. | Aquatic |
| Polk | Vascular Plant | Flowering Plant | Carex roanensis | Roan Mountain Sedge | G2G3 | S2 | -- | S | Mid-Elevation Woodlands | Upland |
| Unicoi | Vascular Plant | Flowering Plant | Carex roanensis | Roan Mountain Sedge | G2G3 | S2 | -- | S | Mid-Elevation Woodlands | Upland |
| Carter | Vascular Plant | Flowering Plant | Carex roanensis | Roan Mountain Sedge | G2G3 | S2 | -- | S | Mid-Elevation Woodlands | Upland |
| Johnson | Vascular Plant | Flowering Plant | Carex roanensis | Roan Mountain Sedge | G2G3 | S2 | -- | S | Mid-Elevation Woodlands | Upland |
| Sullivan | Vascular Plant | Flowering Plant | Carex roanensis | Roan Mountain Sedge | G2G3 | S2 | -- | S | Mid-Elevation Woodlands | Upland |
| Roane | Vertebrate Animal | Fish | Chrosomus tennesseensis | Tennessee Dace | G3 | S3 | -- | D | First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed. | Aquatic |
| Roane | Vertebrate Animal | Amphibian | Cryptobranchus alleganiensis | Hellbender | G3G4 | S3 | No Status | D | Rocky, clear creeks and rivers with large shelter rocks. | Aquatic |
| Roane | Invertebrate Animal | Mollusc | Cumberlandia monodonta | Spectaclecase | G3 | S2S3 | LE | Rare, Not State Listed | Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems. | Aquatic |
| Roane | Vertebrate Animal | Fish | Cycleptus elongatus | Blue Sucker | G3G4 | S2 | -- | T | Swift waters over firm substrates in big rivers. | Aquatic |
| Roane | Invertebrate Animal | Mollusc | Cyprogenia stegaria | Fanshell | G1Q | S1 | LE, XN | E | Medium to large streams and rivers with coarse sand and gravel substrates; Cumberland and Tennessee river systems. | Aquatic |

Rare Species by County

| | | | | | | | | | | |
|-------|-------------------|-----------------|--|---------------------------|----|----|-------|---|--|---------|
| Roane | Vascular Plant | Flowering Plant | <u>Delphinium exaltatum</u> | Tall Larkspur | G3 | S2 | -- | E | Glades And Barrens | Upland |
| Roane | Vascular Plant | Flowering Plant | <u>Diervilla lonicera</u> | Northern Bush-honeysuckle | G5 | S2 | -- | T | Rocky Woodlands And Bluffs | Upland |
| Roane | Vascular Plant | Flowering Plant | <u>Diervilla sessilifolia var. rivularis</u> | Mountain Bush-honeysuckle | G3 | S2 | -- | T | Dry Cliffs And Bluffs | Upland |
| Roane | Vascular Plant | Flowering Plant | <u>Draba ramosissima</u> | Branching Whitlow-grass | G4 | S2 | -- | S | Calcareous Bluffs | Upland |
| Roane | Vascular Plant | Flowering Plant | <u>Elodea nuttallii</u> | Nuttall's Waterweed | G5 | S2 | -- | S | Aquatic; Streams And Ponds | Aquatic |
| Roane | Vertebrate Animal | Fish | <u>Erimonax monachus</u> | Spotfin Chub | G2 | S2 | LT,XN | T | Clear upland rivers with swift currents & boulder substrates; portions of the Tennessee River watershed. | Aquatic |

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|--------|---------------------|-----------------|---|-----------------------|-------------|------------|-------------|------------------------|---|------------------|
| Roane | Vascular Plant | Flowering Plant | Erysimum capitatum | Western Wallflower | G5 | S1S2 | -- | E | Rocky Bluffs | Upland |
| Roane | Vascular Plant | Flowering Plant | Eurybia schreberi | Schreber's Aster | G4 | S1 | -- | S | Mesic Woods & Seepage Slopes | Upland |
| Roane | Invertebrate Animal | Mollusc | Fusconaia cor | Shiny Pigtoe | G1 | S1 | LE, XN | E | Shoals and riffles of small-medium sized rivers with mod-fast current over sand-cobble substrates; upper Tennessee River watershed. | Aquatic |
| Roane | Invertebrate Animal | Mollusc | Fusconaia cuneolus | Finerayed Pigtoe | G1 | S1 | LE, XN | E | Riffles of fords and shoals of mod gradient streams in firm cobble and gravel substrates; middle & upper Tennessee River watershed. | Aquatic |
| Roane | Vertebrate Animal | Amphibian | Gyrinophilus gulolineatus | Berry Cave Salamander | G1Q | S1 | C | T | Aquatic cave obligate; Ridge & Valley; formerly included with G. palleucus. | Aquatic |
| Roane | Vertebrate Animal | Bird | Haliaeetus leucocephalus | Bald Eagle | G5 | S3 | -- | D | Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common. | Aquatic |
| Roane | Vascular Plant | Flowering Plant | Helianthus occidentalis | Naked-stem Sunflower | G5 | S2 | -- | S | Limestone Glades And Barrens | Upland |
| Roane | Vertebrate Animal | Amphibian | Hemidactylium scutatum | Four-toed Salamander | G5 | S3 | -- | D | Woodland swamps, shallow depressions, & sphagnum mats on acidic soils; middle & east Tennessee. | Possible |
| Roane | Vertebrate Animal | Fish | Hemitremia flammea | Flame Chub | G3 | S3 | -- | D | Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds. | Aquatic |
| Roane | Animal Assemblage | No Data | Heron rookery | Heron Rookery | G5 | SNR | -- | Rare, Not State Listed | No Data | No Data |
| Carter | Invertebrate Animal | Tardigrade | Hypsibius roanensis | A Tardigrade | GNR | S1 | -- | Rare, Not State Listed | Beech-maple forests @ high elevations; in lichen or mosses on beech trees; Roan Mountain; Blue Ridge; Carter County. | Upland |
| Roane | Invertebrate Animal | Mollusc | Ilo fluviialis | Spiny Riversnail | G2 | S2 | -- | Rare, Not State Listed | Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee. | Aquatic |
| Roane | Vascular Plant | Flowering Plant | Juglans cinerea | Butternut | G4 | S3 | -- | T | Rich Woods And Hollows | Possible |
| Roane | Vascular Plant | Flowering Plant | Juncus brachycephalus | Small-headed Rush | G5 | S2 | -- | S | Seeps And Wet Bluffs | Possible |
| Roane | Invertebrate Animal | Mollusc | Lampsilis abrupta | Pink Mucket | G2 | S2 | LE | E | Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems. | Aquatic |
| Roane | Invertebrate Animal | Mollusc | Lampsilis virescens | Alabama Lampmussel | G1 | S1 | LE | E | Found in sand and gravel substrates in shoal areas of small-medium size rivers; middle and upper | Aquatic |

Rare Species by County

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|-------|-------------------|--------------------|--|-----------------------------|----|----|----|-----|--|----------|
| | | | | | | | | | TN R system; recently rediscovered in Emory River. | |
| Roane | Vascular Plant | Flowering Plant | <u>Leucothoe racemosa</u> | Fetter-bush | G5 | S2 | -- | T | Acidic Wetlands And Swamps | Possible |
| Roane | Vascular Plant | Flowering Plant | <u>Liatris cylindracea</u> | Slender Blazing-star | G5 | S2 | -- | T | Barrens | Upland |
| Roane | Vertebrate Animal | Bird | <u>Limnothlypis swainsonii</u> | Swainson's Warbler | G4 | S3 | -- | D | Mature, rich, damp, deciduous floodplain and swamp forests. | Possible |
| Roane | Vascular Plant | Flowering Plant | <u>Liparis loeselii</u> | Fen Orchis | G5 | S1 | -- | T | Calcareous Seeps | Possible |
| Roane | Vascular Plant | Flowering Plant | <u>Lonicera dioica</u> | Mountain Honeysuckle | G5 | S2 | -- | S | Mountain Woods And Thickets | Possible |
| Roane | Vascular Plant | Flowering Plant | <u>Marshallia grandiflora</u> | Large-fl. Barbara's-buttons | G3 | S2 | -- | E | Rocky River Bars | Possible |
| Roane | Vertebrate Animal | Mammal | <u>Myotis grisescens</u> | Gray Myotis | G4 | S2 | LE | E | Cave obligate year-round; frequents forested areas; migratory. | Upland |
| Roane | Nonvascular Plant | Non-Vascular Plant | <u>Mvurella iulacea</u> | A Moss | G5 | SH | -- | S-P | Shale Bluffs | Possible |
| Roane | Vertebrate Animal | Mammal | <u>Napaeozapus insignis</u> | Woodland Jumping Mouse | G5 | S4 | -- | D | Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee. | Upland |

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|--------|---------------------|--------------------|---|------------------------------|-------------|------------|-------------|------------------------|--|------------------|
| Roane | Invertebrate Animal | Mollusc | Obovaria retusa | Ring Pink | G1 | S1 | LE,XN | E | Large rivers in gravel and sand bars; Tennessee & Cumberland river watersheds; many historic locations currently inundated. | Aquatic |
| Roane | Vascular Plant | Flowering Plant | Oligoneuron album | Prairie Goldenrod | G5 | S1S2 | -- | E | Barrens | Upland |
| Roane | Vertebrate Animal | Reptile | Ophisaurus attenuatus longicaudus | Eastern Slender Glass Lizard | G5T5 | S3 | -- | D | Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial. | Upland |
| Roane | Vascular Plant | Flowering Plant | Panax quinquefolius | American Ginseng | G3G4 | S3S4 | -- | S-CE | Rich Woods | Possible |
| Roane | Vascular Plant | Flowering Plant | Pedicularis lanceolata | Swamp Lousewort | G5 | S1S2 | -- | S | Wet Acidic Barrens And Seeps | Possible |
| Roane | Vertebrate Animal | Fish | Percina aurantiaca | Tangerine Darter | G4 | S3 | -- | D | Large-moderate size headwater tribs to Tennessee River, in clear, fairly deep, rocky pools, usually below riffles. | Aquatic |
| Roane | Vertebrate Animal | Reptile | Pituophis melanoleucus melanoleucus | Northern Pinesnake | G4T4 | S3 | -- | 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. | Upland |
| Roane | Vascular Plant | Flowering Plant | Platanthera flava var. herbiola | Tuberclred Rein-orchid | G4?T4Q | S2 | -- | T | Swamps And Floodplains | Possible |
| Roane | Vascular Plant | Flowering Plant | Platanthera integrilabia | White Fringeless Orchid | G2G3 | S2S3 | LT | E | Acidic Seeps And Stream Heads | Possible |
| Roane | Invertebrate Animal | Mollusc | Plethobasus cooperianus | Orangefoot Pimpleback | G1 | S1 | LE, XN | E | Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems. | Aquatic |
| Roane | Invertebrate Animal | Mollusc | Plethobasus cyphus | Sheepnose | G3 | S2S3 | LE | Rare, Not State Listed | Large to medium-sized rivers, in riffles and coarse sand/gravel subst; TN & Cumb river systems incl KY Reservoir; W Uplands & Rim. | Aquatic |
| Roane | Invertebrate Animal | Mollusc | Pleurobema rubrum | Pyramid Pigtoe | G2G3 | S1S2 | -- | Rare, Not State Listed | Rivers with strong current and firm sand/gravel substrates; TN & Cumb river systems incl KY Reservoir; W Uplands & W Highland Rim. | Aquatic |
| Roane | Nonvascular Plant | Non-Vascular Plant | Preissia quadrata | A Liverwort | G5 | S1 | -- | T | Seepy Limestone Cliffs And Bluffs | Possible |
| Roane | Vascular Plant | Flowering Plant | Pseudognaphalium helleri | Heller's Catfoot | G4G5 | S2 | -- | S | Dry Sandy Woods | Upland |
| Roane | Invertebrate Animal | Mollusc | Quadrula cylindrica strigillata | Rough Rabbitsfoot | G3G4T2 | S2 | LE | E | Small-medium sized rivers, in clear, shallow riffles with sand-gravel substrates; Tenn. & Cumb. river systems; upland form. | Aquatic |
| Roane | Vascular Plant | Flowering Plant | Ribes missouriense | Missouri Gooseberry | G5 | S2 | -- | S | Rocky Woods | Upland |

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| | | | | | | | | | | |
|-------|-------------------|-----------------|-------------------------------|-------------------------|-----|------|----|------------------------|--|----------|
| Roane | Vertebrate Animal | Mammal | <u>Sorex cinereus</u> | Cinereus Shrew | G5 | S4 | -- | D | Rich woodlands of many types; open fields; middle and east Tennessee. | Upland |
| Roane | Vertebrate Animal | Mammal | <u>Sorex dispar</u> | Long-tailed Shrew | G4 | S2 | -- | D | Mountainous, forested areas with loose talus; east Tennessee. | Upland |
| Roane | Vertebrate Animal | Mammal | <u>Sorex fumeus</u> | Smoky Shrew | G5 | S4 | -- | D | Damp wooded areas including coniferous or mixed forests; middle and east Tennessee. | Upland |
| Roane | Vertebrate Animal | Mammal | <u>Sorex longirostris</u> | Southeastern Shrew | G5 | S4 | -- | D | Various habitats including wet meadows, damp woods, and uplands; statewide. | Possible |
| Roane | Vertebrate Animal | Mammal | <u>Spilogale putorius</u> | Eastern Spotted Skunk | G4 | S3 | -- | Rare, Not State Listed | Rocky outcrops, open prairies, brushy areas, cultivated fields, and barnyards; more common in east Tennessee; reclusive. | Upland |
| Roane | Vascular Plant | Flowering Plant | <u>Spiraea virginiana</u> | Virginia Spiraea | G2 | S2 | LT | E | Stream Bars And Ledges | Possible |
| Roane | Vascular Plant | Flowering Plant | <u>Spiranthes lucida</u> | Shining Ladies'-tresses | G4 | S1S2 | -- | T | Alluvial Woods And Moist Slopes | Possible |
| Roane | Vascular Plant | Flowering Plant | <u>Symphotrichum pratense</u> | Barrens Silky Aster | G4? | S1 | -- | E | Barrens | Upland |
| Roane | Vertebrate Animal | Mammal | <u>Synaptomys cooperi</u> | Southern Bog Lemming | G5 | S4 | -- | D | Marshy meadows, wet balds, & rich upland forests. | Possible |

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|--------|---------------------|-------------------|--|----------------------|-------------|------------|-------------|--------------|---|------------------|
| Roane | Vascular Plant | Plant: Gymnosperm | <u>Thuja occidentalis</u> | Northern White Cedar | G5 | S3 | -- | S | Calcareous Rocky Seeps, Cliffs | Upland |
| Roane | Invertebrate Animal | Mollusc | <u>Villosa perpurpurea</u> | Purple Bean | G1 | S1 | LE | E | Creeks to medium-sized rivers, headwaters, in riffles with coarse sand & gravel & some silt; upper Tennessee River watershed. | Aquatic |
| Roane | Vertebrate Animal | Mammal | <u>Zapus hudsonius</u> | Meadow Jumping Mouse | G5 | S4 | No Status | D | Open grassy fields; often abundant in thick vegetation near water bodies; statewide. | Possible |

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