



Virginia Department of Game and Inland Fisheries

Special Status Faunal Species in Virginia

Threatened and Endangered Faunal Species

| <u>Common Name</u>  | <u>Scientific Name</u>                     | <u>Federal</u> <sup>1</sup> | <u>State</u> <sup>1</sup> | <u>WAP</u> <sup>1</sup><br><u>Tier</u> | <u>WAP</u> <sup>1</sup><br><u>Rank</u> |
|---|--|-----------------------------|---------------------------|--|--|
| <u>FRESHWATER FISHES</u>  |  |                             |                           |  |  |
| Atlantic sturgeon   | <i>Acipenser oxyrinchus</i>                | FE                          | SE                        | I                                      | b                                      |
| Blackbanded sunfish   | <i>Enneacanthus chaetodon</i>              |                             | SE                        | I                                      | a                                      |
| Blackside dace  | <i>Chrosomus cumberlandensis</i>           |                             | ST                        |  |  |
| Candy darter  | <i>Etheostoma osburni</i>                  | FP                          |                           | I                                      | b                                      |
| Carolina darter   | <i>Etheostoma collis</i>                   |                             | ST                        | II                                     | c                                      |
| Duskytail darter  | <i>Etheostoma percnurum</i>                | FE                          | SE                        | I                                      | a                                      |
| Emerald shiner  | <i>Notropis atherinoides</i>               |                             | ST                        | IV                                     | c                                      |
| Golden darter   | <i>Etheostoma denoncourti</i>              |                             | ST                        | II                                     | b                                      |
| Greenfin darter   | <i>Etheostoma chlorobranchium</i>          |                             | ST                        | I                                      | b                                      |
| Orangefin madtom  | <i>Noturus gilberti</i>                    |                             | ST                        | II                                     | b                                      |
| Paddlefish  | <i>Polyodon spathula</i>                   |                             | ST                        | IV                                     | c                                      |
| Roanoke logperch  | <i>Percina rex</i>                         | FE                          | SE                        | II                                     | a                                      |
| Sharphead darter  | <i>Etheostoma acuticeps</i>                |                             | SE                        | I                                      | c                                      |
| Shortnose sturgeon  | <i>Acipenser brevirostrum</i>              | FE                          | SE                        | I                                      | a                                      |
| Sickle darter   | <i>Percina williamsi</i>                   |                             | ST                        | I                                      | c                                      |
| Slender chub  | <i>Erimystax cahni</i>                     | FT                          | ST                        | I                                      | c                                      |
| Spotfin chub  | <i>Erimonax monachus</i>                   | FT                          | ST                        | I                                      | b                                      |
| Steelcolor shiner   | <i>Cyprinella whipplei</i>                 |                             | ST                        | III                                    | c                                      |
| Tennessee dace  | <i>Chrosomus (=Phoxinus) tennesseensis</i> |                             | SE                        | I                                      | b                                      |
| Variegate darter  | <i>Etheostoma variatum</i>                 |                             | SE                        | I                                      | a                                      |
| Western sand darter   | <i>Ammocrypta clara</i>                    |                             | ST                        | IV                                     | c                                      |
| Whitemouth shiner   | <i>Notropis alborus</i>                    |                             | ST                        | II                                     | c                                      |
| Yellowfin madtom  | <i>Noturus flavipinnis</i>                 | FT                          | ST                        | I                                      | a                                      |
| <u>AMPHIBIANS</u>   |  |                             |                           |  |  |
| Barking treefrog  | <i>Hyla gratiosa</i>                       |                             | ST                        | II                                     | a                                      |
| Eastern tiger salamander  | <i>Ambystoma tigrinum</i>                  |                             | SE                        | II                                     | a                                      |
| Mabee's salamander  | <i>Ambystoma mabeei</i>                    |                             | ST                        | II                                     | a                                      |
| Shenandoah salamander   | <i>Plethodon shenandoah</i>                | FE                          | SE                        | I                                      | c                                      |
| <u>REPTILES</u>   |  |                             |                           |  |  |
| Bog (= Muhlenberg) turtle   | <i>Glyptemys (=Clemmys) muhlenbergii</i>   | FT(S/A)                     | SE                        | I                                      | a                                      |
| Canebrake rattlesnake<br>(Coastal Plain population of timber rattlesnake) | <i>Crotalus horridus</i>                   |                             | SE                        | II                                     | a                                      |
| Eastern chicken turtle  | <i>Deirochelys reticularia reticularia</i> |                             | SE                        | I                                      | a                                      |
| Eastern glass lizard  | <i>Ophisaurus ventralis</i>                |                             | ST                        | II                                     | a                                      |
| Green sea turtle  | <i>Chelonia mydas</i>                      | FT                          | ST                        | I                                      | b                                      |
| Hawksbill sea turtle  | <i>Eretmochelys imbricata</i>              | FE                          | SE                        |  |  |
| Kemp's ridley sea turtle  | <i>Lepidochelys kempii</i>                 | FE                          | SE                        | I                                      | a                                      |
| Leatherback sea turtle  | <i>Dermochelys coriacea</i>                | FE                          | SE                        | I                                      | c                                      |
| Loggerhead sea turtle   | <i>Caretta caretta</i>                     | FT                          | ST                        | I                                      | a                                      |
| Wood turtle   | <i>Glyptemys insculpta</i>                 |                             | ST                        | I                                      | a                                      |

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|---------------------------------------|--|----------------------------|--------------------------|---------------------------------|---------------------------------|
| <u>BIRDS</u>                          |  |                            |                          |                                 |                                 |
| Bachman's sparrow                     | <i>Aimophila aestivalis</i>                            |                            | ST                       | I                               | a                               |
| Bachman's warbler (=wood)             | <i>Vermivora bachmanii</i>                             | FE                         | SE                       |                                 |                                 |
| Bewick's wren                         | <i>Thryomanes bewickii</i>                             |                            | SE                       |                                 |                                 |
| Black rail                            | <i>Laterallus jamaicensis</i>                          |                            | SE                       | I                               | a                               |
| Gull-billed tern                      | <i>Sterna nilotica</i>                                 |                            | ST                       | I                               | a                               |
| Henslow's sparrow                     | <i>Ammodramus henslowii</i>                            |                            | ST                       | I                               | a                               |
| Kirtland's warbler                    | <i>Setophaga kirtlandii</i> (=Dendroica kirtlandii)    | FE                         | SE                       |                                 |                                 |
| Loggerhead shrike                     | <i>Lanius ludovicianus</i>                             |                            | ST                       | I                               | a                               |
| Peregrine falcon                      | <i>Falco peregrinus</i>                                |                            | ST                       | I                               | a                               |
| Piping plover                         | <i>Charadrius melodus</i>                              | FT                         | ST                       | II                              | a                               |
| Red knot                              | <i>Calidris canutus rufa</i>                           | FT                         | ST                       | I                               | a                               |
| Red-cockaded woodpecker               | <i>Picoides borealis</i>                               | FE                         | SE                       | I                               | a                               |
| Roseate tern                          | <i>Sterna dougallii dougallii</i>                      | FE                         | SE                       |                                 |                                 |
| Wilson's plover                       | <i>Charadrius wilsonia</i>                             |                            | SE                       | I                               | a                               |
| <u>MAMMALS</u>                        |  |                            |                          |                                 |                                 |
| American water shrew                  | <i>Sorex palustris</i>                                 |                            | SE                       | II                              | a                               |
| Carolina northern flying squirrel     | <i>Glaucomys sabrinus coloratus</i>                    | FE                         | SE                       | I                               | c                               |
| Eastern puma (=cougar)                | <i>Puma</i> (=Felis) concolor cougar                   | FE                         | SE                       |                                 |                                 |
| Gray bat                              | <i>Myotis grisescens</i>                               | FE                         | SE                       | II                              | a                               |
| Gray wolf                             | <i>Canis lupus</i>                                     | FE                         | SE                       |                                 |                                 |
| Indiana bat                           | <i>Myotis sodalis</i>                                  | FE                         | SE                       | I                               | a                               |
| Little brown bat                      | <i>Myotis lucifugus</i>                                |                            | SE                       | I                               | a                               |
| Northern long-eared bat               | <i>Myotis septentrionalis</i>                          | FT                         | ST                       | I                               | a                               |
| Rafinesque's eastern big-eared bat    | <i>Corynorhinus rafinesquii macrotis</i>               |                            | SE                       | I                               | a                               |
| Rock vole                             | <i>Microtus chrotorrhinus</i>                          |                            | SE                       | II                              | a                               |
| Snowshoe hare                         | <i>Lepus americanus</i>                                |                            | SE                       | I                               | c                               |
| Tri-colored bat                       | <i>Perimyotis subflavus</i>                            |                            | SE                       | I                               | a                               |
| Virginia big-eared bat                | <i>Corynorhinus</i> (=Plecotus) townsendii virginianus | FE                         | SE                       | II                              | a                               |
| <u>MOLLUSKS</u>                       |  |                            |                          |                                 |                                 |
| <u>Freshwater Mussels</u>             |  |                            |                          |                                 |                                 |
| Appalachian monkeyface (pearlymussel) | <i>Quadrula sparsa</i>                                 | FE                         | SE                       | I                               | a                               |
| Atlantic pigtoe                       | <i>Fusconaia masoni</i>                                |                            | ST                       | I                               | a                               |
| Birdwing pearlymussel                 | <i>Lemiox rimosus</i>                                  | FE                         | SE                       | I                               | a                               |
| Black sandshell                       | <i>Ligumia recta</i>                                   |                            | ST                       | III                             | a                               |
| Brook floater                         | <i>Alasmidonta varicosa</i>                            |                            | SE                       | I                               | b                               |
| Cracking pearlymussel                 | <i>Hemistena lata</i>                                  | FE                         | SE                       | I                               | b                               |
| Cumberland bean (pearlymussel)        | <i>Villosa trabalis</i>                                | FE                         | SE                       | I                               | a                               |
| Cumberland monkeyface (pearlymussel)  | <i>Quadrula intermedia</i>                             | FE                         | SE                       | I                               | a                               |
| Cumberlandian combshell               | <i>Epioblasma brevidens</i>                            | FE                         | SE                       | I                               | a                               |

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|-------------------------------------|---|-----------------------------|---------------------------|--|--|
| Deertoe                             | <i>Truncilla truncata</i>                             |                             | SE                        | III                                    | b                                      |
| Dromedary pearlymussel              | <i>Dromus dromas</i>                                  | FE                          | SE                        | I                                      | a                                      |
| Dwarf wedgemussel                   | <i>Alasmidonta heterodon</i>                          | FE                          | SE                        | I                                      | a                                      |
| Elephantear                         | <i>Elliptio crassidens</i>                            |                             | SE                        | III                                    | a                                      |
| Fanshell                            | <i>Cyprogenia stegaria</i>                            | FE                          | SE                        | I                                      | a                                      |
| Finerayed pigtoe                    | <i>Fusconaia cuneolus</i>                             | FE                          | SE                        | I                                      | a                                      |
| Fluted kidneyshell                  | <i>Ptychobranthus subtentum</i>                       | FE                          | SE                        | II                                     | a                                      |
| Fragile papershell                  | <i>Leptodea fragilis</i>                              |                             | ST                        | IV                                     | c                                      |
| Green blossom (pearlymussel)        | <i>Epioblasma torulosa gubernaculum</i>               | FE                          | SE                        |  |  |
| Green floater                       | <i>Lasmigona subviridis</i>                           |                             | ST                        | II                                     | a                                      |
| James spinymussel                   | <i>Pleurobema collina</i>                             | FE                          | SE                        | I                                      | a                                      |
| Littlewing pearlymussel             | <i>Pegias fabula</i>                                  | FE                          | SE                        | I                                      | c                                      |
| Ohio pigtoe                         | <i>Pleurobema cordatum</i>                            |                             | SE                        | III                                    | c                                      |
| Oyster mussel                       | <i>Epioblasma capsaeformis</i>                        | FE                          | SE                        | I                                      | a                                      |
| Pimpleback                          | <i>Quadrula pustulosa pustulosa</i>                   |                             | ST                        | IV                                     | b                                      |
| Pink mucket (pearlymussel)          | <i>Lampsilis abrupta</i>                              | FE                          | SE                        | I                                      | a                                      |
| Pistolgrip                          | <i>Tritogonia verrucosa</i>                           |                             | ST                        | III                                    | b                                      |
| Purple bean                         | <i>Villosa perpurpurea</i>                            | FE                          | SE                        | I                                      | a                                      |
| Purple lilliput                     | <i>Toxolasma lividus</i>                              |                             | SE                        | II                                     | c                                      |
| Pyramid pigtoe                      | <i>Pleurobema rubrum</i>                              |                             | SE                        | II                                     | a                                      |
| Rayed bean                          | <i>Villosa fabalis</i>                                | FE                          | SE                        | II                                     | a                                      |
| Rough pigtoe                        | <i>Pleurobema plenum</i>                              | FE                          | SE                        | I                                      | a                                      |
| Rough rabbitsfoot                   | <i>Quadrula cylindrica strigillata</i>                | FE                          | SE                        | I                                      | a                                      |
| Sheepnose                           | <i>Plethobasus cyphus</i>                             | FE                          | SE                        | II                                     | a                                      |
| Shiny pigtoe                        | <i>Fusconaia cor</i>                                  | FE                          | SE                        | I                                      | a                                      |
| Slabside pearlymussel               | <i>Lexingtonia dolabelloides</i>                      | FE                          | SE                        | II                                     | a                                      |
| Slippershell mussel                 | <i>Alasmidonta viridis</i>                            |                             | SE                        | I                                      | b                                      |
| Snuffbox mussel                     | <i>Epioblasma triquetra</i>                           | FE                          | SE                        | I                                      | a                                      |
| Spectaclecase                       | <i>Cumberlandia monodonta</i>                         | FE                          | SE                        | I                                      | b                                      |
| Tan riffleshell                     | <i>Epioblasma florentina walkeri</i><br>(=E. walkeri) | FE                          | SE                        |  |  |
| Tennessee heelsplitter              | <i>Lasmigona holstonia</i>                            |                             | SE                        | II                                     | a                                      |
| Yellow lance                        | <i>Elliptio lanceolata</i>                            | FP                          |                           | II                                     | a                                      |
| <u>Freshwater &amp; Land Snails</u> |   |                             |                           |  |  |
| Appalachian springsnail             | <i>Fontigens bottimeri</i>                            |                             | SE                        | II                                     | c                                      |
| Brown supercoil                     | <i>Paravitrea septadens</i>                           |                             | ST                        | I                                      | c                                      |
| Rubble coil                         | <i>Helicodiscus lirellus</i>                          |                             | SE                        | I                                      | a                                      |
| Shaggy coil                         | <i>Helicodiscus diadema</i>                           |                             | SE                        | I                                      | c                                      |
| Spider elimia                       | <i>Elimia arachnoidea</i>                             |                             | SE                        | II                                     | c                                      |
| Spiny riversnail                    | <i>Io fluvialis</i>                                   |                             | ST                        | III                                    | a                                      |
| Spirit supercoil                    | <i>Paravitrea hera</i>                                |                             | SE                        | I                                      | a                                      |
| Thankless ghostsnail                | <i>Holsingeria unthinksensis</i>                      |                             | SE                        | I                                      | a                                      |
| Virginia fringed mountain snail     | <i>Polygyriscus virginianus</i>                       | FE                          | SE                        | I                                      | a                                      |
| Virginia springsnail                | <i>Fontigens morrisoni</i>                            |                             | SE                        | I                                      | a                                      |

FRESHWATER CRUSTACEANS

|                    |  |    |    |   |   |
|--------------------|--|----|----|---|---|
| Big Sandy crayfish | <i>Cambarus callainus</i> (formerly C. | FT | ST | I | c |
|--------------------|--|----|----|---|---|

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|---------------------------------|---|-----------------------------|---------------------------|--|--|
|                                 | <i>veteranus</i> )  |                             |                           |  |  |
| Lee County Cave isopod          | <i>Lirceus usdagalun</i>                                      | FE                          | SE                        | III                                    | c                                      |
| Madison Cave amphipod           | <i>Stygobromus stegerorum</i>                                 |                             | ST                        | I                                      | b                                      |
| Madison Cave isopod             | <i>Antrolana lira</i>   | FT                          | ST                        | II                                     | c                                      |
| <u>MILLIPEDES</u>               |   |                             |                           |  |  |
| Ellett Valley pseudotremia      | <i>Pseudotremia cavernarum</i>                                |                             | ST                        | I                                      | c                                      |
| Laurel Creek xystodesmid        | <i>Sigmoria whiteheadi</i>                                    |                             | ST                        | I                                      | c                                      |
| <u>ARACHNIDS</u>                |   |                             |                           |  |  |
| Spruce-fir moss spider          | <i>Microhexura montivaga</i>                                  | FE                          | SE                        |  |  |
| <u>INSECTS</u> <sup>2</sup>     |   |                             |                           |  |  |
| American burying beetle         | <i>Nicrophorus americanus</i>                                 | FE                          |                           | I                                      | c                                      |
| Appalachian grizzled skipper    | <i>Pyrgus wyandot</i> (=Pyrgus<br><i>centaureae wyandot</i> ) |                             | ST                        | I                                      | a                                      |
| Buffalo Mountain mealybug       | <i>Puto kosztarabi</i>  |                             | SE                        | I                                      | c                                      |
| Holsinger's cave beetle         | <i>Pseudanophthalmus holsingeri</i>                           |                             | SE                        | I                                      | c                                      |
| Mitchell's satyr butterfly      | <i>Neonympha mitchellii</i>                                   | FE                          | SE                        | I                                      | a                                      |
| Northeastern beach tiger beetle | <i>Cicindela dorsalis dorsalis</i>                            | FT                          | ST                        | II                                     | a                                      |
| Rusty patched bumble bee        | <i>Bombus affinis</i>   | FE                          |                           | I                                      | a                                      |
| Thomas' cave beetle             | <i>Pseudanophthalmus thomasi</i>                              |                             | SE                        | II                                     | c                                      |
| Virginia Piedmont water boatman | <i>Sigara depressa</i>  |                             | SE                        | I                                      | c                                      |

<sup>2</sup> all insects listed as federal or state endangered or threatened are protected by regulations that fall under the Virginia Department of Agriculture and Consumer Services' jurisdiction

#### MARINE MAMMALS

|                            |   |    |    |    |   |
|----------------------------|---|----|----|----|---|
| Blue whale                 | <i>Balaenoptera musculus</i>                      | FE | SE |    |   |
| Finback whale              | <i>Balaenoptera physalus</i>                      | FE | SE | IV | b |
| Humpback whale             | <i>Megaptera novaeangliae</i>                     | FE | SE | I  | b |
| North Atlantic Right whale | <i>Eubalaena glacialis</i>                        | FE | SE | I  | b |
| Sei whale                  | <i>Balaenoptera borealis</i>                      | FE | SE |    |   |
| Sperm whale                | <i>Physeter catodon</i> (= <i>macrocephalus</i> ) | FE | SE |    |   |
| West Indian manatee        | <i>Trichechus manatus</i>                         | FE | SE | IV | b |

For further information or details regarding this list or any species listed herein, please contact:

Bureau of Wildlife Resources, Statewide Resources, Virginia Department of Game and Inland Fisheries  
Physical Address: 7870 Villa Park Dr, Suite 400  
Mailing Address: P. O. Box 90778  
 Henrico, VA 23228  
 (804) 367-6913

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|--------------------------|----------------------------------|-----------------------------|-----------------------------|
| <b>FRESHWATER FISHES</b> |                                  |                             |                             |
| Alewife                  | <i>Alosa pseudoharengus</i>      | IV                          | a                           |
| Allegheny pearl dace     | <i>Margariscus margarita</i>     | IV                          | b                           |
| American brook lamprey   | <i>Lampetra appendix</i>         | IV                          | c                           |
| American eel             | <i>Anguilla rostrata</i>         | III                         | a                           |
| American shad            | <i>Alosa sapidissima</i>         | IV                          | a                           |
| Appalachia darter        | <i>Percina gymnocephala</i>      | IV                          | c                           |
| Ashy darter              | <i>Etheostoma cinereum</i>       | I                           | b                           |
| Banded sunfish           | <i>Enneacanthus obesus</i>       | IV                          | c                           |
| Bigeye jumprock          | <i>Moxostoma ariommum</i>        | III                         | c                           |
| Black sculpin            | <i>Cottus baileyi</i>            | IV                          | c                           |
| Blackside darter         | <i>Percina maculata</i>          | IV                          | c                           |
| Blotched chub            | <i>Erimystax insignis</i>        | IV                          | c                           |
| Blotchside logperch      | <i>Percina burtoni</i>           | II                          | a                           |
| Blueback herring         | <i>Alosa aestivalis</i>          | IV                          | a                           |
| Bluebreast darter        | <i>Etheostoma camurum</i>        | IV                          | c                           |
| Blueside darter          | <i>Etheostoma jessiae</i>        | IV                          | c                           |
| Bluestone sculpin        | <i>Cottus sp. 1</i>              | III                         | c                           |
| Brassy jumprock          | <i>Moxostoma sp.</i>             | IV                          | c                           |
| Bridle shiner            | <i>Notropis bifrenatus</i>       | I                           | a                           |
| Brook silverside         | <i>Labidesthes sicculus</i>      | IV                          | c                           |
| Brook trout              | <i>Salvelinus fontinalis</i>     | IV                          | a                           |
| Bullhead minnow          | <i>Pimephales vigilax</i>        | IV                          | c                           |
| Carolina fantail darter  | <i>Etheostoma brevispinum</i>    | IV                          | c                           |
| Channel darter           | <i>Percina copelandi</i>         | III                         | c                           |
| Clinch dace              | <i>Chrosomus sp. cf. saylori</i> | I                           | a                           |
| Clinch sculpin           | <i>Cottus sp. 4</i>              | III                         | c                           |
| Dusky darter             | <i>Percina sciera</i>            | IV                          | c                           |
| Fatlips minnow           | <i>Phenacobius crassilabrum</i>  | II                          | c                           |
| Freshwater drum          | <i>Aplodinotus grunniens</i>     | III                         | c                           |
| Highback chub            | <i>Hybopsis hypsinotus</i>       | IV                          | c                           |
| Highfin shiner           | <i>Notropis altipinnis</i>       | IV                          | c                           |
| Holston sculpin          | <i>Cottus sp. 5</i>              | III                         | c                           |
| Ironcolor shiner         | <i>Notropis chalybaeus</i>       | III                         | c                           |
| Kanawha darter           | <i>Etheostoma kanawhae</i>       | III                         | c                           |
| Kanawha minnow           | <i>Phenacobius teretulus</i>     | III                         | c                           |
| Lake Chubsucker          | <i>Erimyzon sucetta</i>          | IV                          | c                           |
| Least brook lamprey      | <i>Lampreta aepyptera</i>        | IV                          | c                           |
| Lined topminnow          | <i>Fundulus lineolatus</i>       | IV                          | c                           |
| Logperch                 | <i>Percina caprodes</i>          | IV                          | c                           |
| Longear sunfish          | <i>Lepomis megalotis</i>         | IV                          | b                           |
| Mirror shiner            | <i>Notropis spectrunculus</i>    | III                         | c                           |
| Mountain brook lamprey   | <i>Ichthyomyzon greeleyi</i>     | III                         | c                           |
| Mountain madtom          | <i>Noturus eleutherus</i>        | IV                          | c                           |
| Mountain shiner          | <i>Lythoroughrus lirus</i>       | IV                          | c                           |
| Mud sunfish              | <i>Acantharchus pomotis</i>      | IV                          | c                           |
| New River shiner         | <i>Notropis scabriceps</i>       | IV                          | c                           |
| Northern studfish        | <i>Fundulus catenatus</i>        | IV                          | c                           |
| Notchlip redhorse        | <i>Moxostoma collapsum</i>       | IV                          | c                           |
| Ohio lamprey             | <i>Ichthyomyzon bdellium</i>     | IV                          | c                           |

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Virginia Department of Game and Inland Fisheries

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Virginia Wildlife Action Plan, Species of Greatest Conservation Need, Tiered Faunal Species

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|----------------------|-------------------------------|-----------------------------|-----------------------------|
| Piedmont darter      | <i>Percina crassa</i>         | IV                          | c                           |
| Popeye shiner        | <i>Notropis ariommus</i>      | II                          | c                           |
| Redlip shiner        | <i>Notropis chiliticus</i>    | IV                          | c                           |
| River redbhorse      | <i>Moxostoma carinatum</i>    | III                         | b                           |
| Roanoke bass         | <i>Ambloplites cavifrons</i>  | I                           | a                           |
| Roanoke hog sucker   | <i>Hypentelium roanokense</i> | IV                          | c                           |
| Roughhead shiner     | <i>Notropis semperasper</i>   | I                           | b                           |
| Rustyside sucker     | <i>Thoburnia hamiltoni</i>    | III                         | c                           |
| Sand shiner          | <i>Notropis stramineus</i>    | IV                          | c                           |
| Sauger               | <i>Sander canadensis</i>      | III                         | b                           |
| Sharpnose darter     | <i>Percina oxyrhynchus</i>    | IV                          | c                           |
| Silver redbhorse     | <i>Moxostoma anisurum</i>     | III                         | c                           |
| Slimy sculpin        | <i>Cottus cognatus</i>        | IV                          | c                           |
| Smallmouth redbhorse | <i>Moxostoma breviceps</i>    | IV                          | b                           |
| Snail bullhead       | <i>Ameiurus brunneus</i>      | III                         | c                           |
| Speckled darter      | <i>Etheostoma stigmaeum</i>   | IV                          | c                           |
| Speckled killifish   | <i>Fundulus rathbuni</i>      | IV                          | c                           |
| Stonecat             | <i>Noturus flavus</i>         | IV                          | c                           |
| Suckermouth minnow   | <i>Phenacobius mirabilis</i>  | IV                          | c                           |
| Swannanoa darter     | <i>Etheostoma swannanoa</i>   | IV                          | b                           |
| Tadpole madtom       | <i>Noturus gyrinus</i>        | IV                          | c                           |
| Tangerine darter     | <i>Percina aurantiaca</i>     | IV                          | c                           |
| Tonguetied minnow    | <i>Exoglossum laurae</i>      | IV                          | c                           |
| Wounded darter       | <i>Etheostoma vulneratum</i>  | III                         | c                           |

AMPHIBIANS

|                                 |   |     |   |
|---------------------------------|---|-----|---|
| Blue Ridge dusky salamander     | <i>Desmognathus orestes</i>                       | IV  | c |
| Blue Ridge two-lined salamander | <i>Eurycea wilderae</i>                           | III | a |
| Carpenter frog                  | <i>Lithobates virgatipes</i>                      | III | a |
| Common mudpuppy                 | <i>Necturus maculosus maculosus</i>               | III | a |
| Cow Knob salamander             | <i>Plethodon punctatus</i>                        | I   | c |
| Cumberland Plateau salamander   | <i>Plethodon kentucki</i>                         | IV  | c |
| Dwarf waterdog                  | <i>Necturus punctatus</i>                         | III | a |
| Eastern hellbender              | <i>Cryptobranchus alleganiensis alleganiensis</i> | I   | a |
| Eastern lesser siren            | <i>Siren intermedia intermedia</i>                | III | a |
| Eastern mud salamander          | <i>Pseudotriton montanus montanus</i>             | IV  | a |
| Eastern spadefoot               | <i>Scaphiophus holbrookii</i>                     | IV  | c |
| Greater siren                   | <i>Siren lacertina</i>                            | IV  | a |
| Green salamander                | <i>Aneides aeneus</i>                             | II  | b |
| Jefferson salamander            | <i>Ambystoma jeffersonianum</i>                   | IV  | a |
| Little grass frog               | <i>Pseudacris ocularis</i>                        | IV  | a |
| Many-lined salamander           | <i>Stereochilus marginatus</i>                    | IV  | a |
| Mole salamander                 | <i>Ambystoma talpoideum</i>                       | II  | a |
| Mountain chorus frog            | <i>Pseudacris brachyphona</i>                     | II  | a |
| New Jersey chorus frog          | <i>Pseudacris kalmi</i>                           | IV  | c |
| Northern pygmy salamander       | <i>Desmognathus organi</i>                        | III | c |
| Oak toad                        | <i>Anaxyrus quercicus</i>                         | II  | a |
| Peaks of Otter salamander       | <i>Plethodon hubrichti</i>                        | I   | c |
| Shenandoah Mountain salamander  | <i>Plethodon virginia</i>                         | III | c |

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|----------------------------|--------------------------------|-----------------------------|-----------------------------|
| Shovel-nosed salamander    | <i>Desmognathus marmoratus</i> | III                         | a                           |
| Southern chorus frog       | <i>Pseudacris nigrita</i>      | IV                          | c                           |
| Southern zigzag salamander | <i>Plethodon ventralis</i>     | II                          | c                           |
| Weller's salamander        | <i>Plethodon welleri</i>       | I                           | b                           |
| Yonahlossee salamander     | <i>Plethodon yohahlossee</i>   | IV                          | c                           |

REPTILES

|   |   |     |   |
|---|---|-----|---|
| Common rainbow snake  | <i>Farancia erytrogramma erytrogramma</i>       | IV  | a |
| Common ribbonsnake  | <i>Thamnophis sauritus sauritus</i>             | IV  | a |
| Cumberland slider   | <i>Trachemys scripta troostii</i>               | III | c |
| Eastern black kingsnake                                       | <i>Lampropeltis nigra</i>                       | III | c |
| Eastern glossy swampsnake (formerly<br>Glossy crayfish snake) | <i>Liodytes (formerly Regina) rigida rigida</i> | III | c |
| Eastern hog-nosed snake                                       | <i>Heterodon platirhinos</i>                    | IV  | c |
| Eastern mudsnake  | <i>Farancia abacura abacura</i>                 | IV  | a |
| Eastern slender glass lizard                                  | <i>Ophisaurus attenuatus longicaudus</i>        | IV  | a |
| Mountain earthsnake   | <i>Virginia valeriae pulchra</i>                | II  | c |
| Northern diamond-backed terrapin                              | <i>Malaclemys terrapin terrapin</i>             | II  | a |
| Northern map turtle   | <i>Graptemys geographica</i>                    | IV  | a |
| Northern pinesnake  | <i>Pituophis melanoleucus melanoleucus</i>      | I   | a |
| Northern scarletsnake   | <i>Cemophora coccinea copei</i>                 | IV  | a |
| Queensnake  | <i>Regina septemvittata</i>                     | IV  | a |
| Scarlet kingsnake   | <i>Lampropeltis elapsoides</i>                  | III | c |
| Smooth greensnake   | <i>Opheodrys vernalis</i>                       | III | a |
| Southeastern crowned snake                                    | <i>Tantilla coronata</i>                        | IV  | c |
| Snapping turtle   | <i>Chelydra serpentina</i>                      | IV  | b |
| Spiny softshell   | <i>Apalone spinifera spinifera</i>              | IV  | a |
| Spotted turtle  | <i>Clemmys guttata</i>                          | III | a |
| Stripe-necked musk turtle                                     | <i>Sternotherus minor peltifer</i>              | IV  | a |
| Timber rattlesnake  | <i>Crotalus horridus</i>                        | IV  | a |
| (western Virginia population)                                 |   |     |   |
| Woodland (formerly Eastern) box turtle                        | <i>Terrapene carolina carolina</i>              | III | a |
| Yellow-bellied slider   | <i>Trachemys scripta scripta</i>                | IV  | b |

BIRDS

|                               |                                  |     |   |
|-------------------------------|----------------------------------|-----|---|
| American black duck           | <i>Anas rubripes</i>             | II  | a |
| American oystercatcher        | <i>Haematopus palliatus</i>      | II  | a |
| American woodcock             | <i>Scolopax minor</i>            | II  | a |
| Bank swallow                  | <i>Riparia riparia</i>           | III | c |
| Barn owl                      | <i>Tyto alba</i>                 | III | a |
| Belted kingfisher             | <i>Megasceryle lecyon</i>        | III | b |
| Bicknell's thrush             | <i>Catharus bicknelli</i>        | IV  | a |
| Black skimmer                 | <i>Rynchops niger</i>            | II  | a |
| Black-and-white warbler       | <i>Mniotilta varia</i>           | IV  | a |
| Black-bellied plover (winter) | <i>Pluvialis squatarola</i>      | IV  | a |
| Black-billed cuckoo           | <i>Coccyzus erythrophthalmus</i> | II  | b |
| Black-crowned night-heron     | <i>Nycticorax nycticorax</i>     | III | a |
| Brown thrasher                | <i>Toxostoma rufum</i>           | IV  | a |
| Brant                         | <i>Branta bernicla</i>           | III | a |

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|--------------------------------------|-----------------------------------|-----------------------------|-----------------------------|
| Canada warbler                       | <i>Cardellina canadensis</i>      | IV                          | b                           |
| Cerulean warbler                     | <i>Setophaga cerulea</i>          | II                          | a                           |
| Chimney swift                        | <i>Chaetura pelagica</i>          | IV                          | b                           |
| Clapper rail                         | <i>Rallus longirostris</i>        | IV                          | a                           |
| Common tern                          | <i>Sterna hirundo</i>             | II                          | a                           |
| Dunlin                               | <i>Calidris alpina hudsonia</i>   | IV                          | a                           |
| Eastern kingbird                     | <i>Tyrannus tyrannus</i>          | IV                          | a                           |
| Eastern meadowlark                   | <i>Sturnella magna</i>            | IV                          | a                           |
| Eastern towhee                       | <i>Pipilo erythrophthalmus</i>    | IV                          | a                           |
| Eastern Whip-poor-will               | <i>Antrostomus vociferus</i>      | III                         | a                           |
| Eastern wood-pewee                   | <i>Contopus virens</i>            | IV                          | b                           |
| Field sparrow                        | <i>Spizella pusilla</i>           | IV                          | a                           |
| Forster's tern                       | <i>Sterna forsteri</i>            | III                         | a                           |
| Glossy ibis                          | <i>Plegadis falcinellus</i>       | I                           | a                           |
| Golden eagle                         | <i>Aquila chrysaetos</i>          | I                           | a                           |
| Golden-winged warbler                | <i>Vermivora chrysoptera</i>      | I                           | a                           |
| Grasshopper sparrow                  | <i>Ammodramus savannarum</i>      | IV                          | a                           |
| Gray catbird                         | <i>Dumetella carolinensis</i>     | IV                          | a                           |
| Greater scaup                        | <i>Aythya marila</i>              | IV                          | a                           |
| Green heron                          | <i>Butorides virescens</i>        | IV                          | b                           |
| Kentucky warbler                     | <i>Geothlypis formosa</i>         | III                         | a                           |
| King rail                            | <i>Rallus elegans</i>             | II                          | b                           |
| Laughing gull                        | <i>Leucophaeus atricilla</i>      | IV                          | a                           |
| Least bittern                        | <i>Ixobrychus exilis</i>          | III                         | a                           |
| Least tern                           | <i>Sterna antillarum</i>          | III                         | a                           |
| Little blue heron                    | <i>Egretta caerulea</i>           | II                          | a                           |
| Marbled godwit                       | <i>Limosa fedoa</i>               | IV                          | a                           |
| Marsh wren                           | <i>Cistothorus palustris</i>      | IV                          | a                           |
| Nelson's sparrow (winter)            | <i>Ammodramus nelsoni</i>         | III                         | a                           |
| Northern bobwhite                    | <i>Bolinus virginianus</i>        | III                         | a                           |
| Northern flicker                     | <i>Colaptes auratus</i>           | IV                          | b                           |
| Northern harrier                     | <i>Circus cyaneus</i>             | III                         | a                           |
| Northern gannet                      | <i>Morus bassanus</i>             | IV                          | a                           |
| Northern pintail                     | <i>Anas acuta</i>                 | IV                          | a                           |
| Northern rough-winged swallow        | <i>Stelgidopteryx serripennis</i> | IV                          | c                           |
| Northern saw-whet owl                | <i>Aegolius acadicus</i>          | I                           | c                           |
| Purple sandpiper                     | <i>Calidris maritima</i>          | IV                          | c                           |
| Red crossbill (Type I)               | <i>Loxia curvirostra</i>          | III                         | c                           |
| Red-throated loon                    | <i>Gavia stellate</i>             | IV                          | a                           |
| Royal tern                           | <i>Thalasseus maxima</i>          | IV                          | a                           |
| Ruffed grouse                        | <i>Bonasa umbellus</i>            | III                         | a                           |
| Rusty blackbird                      | <i>Euphagus carolinus</i>         | IV                          | b                           |
| Saltmarsh sparrow                    | <i>Ammodramus caudacutus</i>      | III                         | a                           |
| Sanderling                           | <i>Calidris alba</i>              | IV                          | a                           |
| Seaside sparrow                      | <i>Ammodramus maritimus</i>       | IV                          | a                           |
| Short-billed dowitcher               | <i>Limnodromus griseus</i>        | IV                          | a                           |
| Snowy egret                          | <i>Egretta thula</i>              | II                          | a                           |
| Swainson's warbler                   | <i>Limnotypis swainsonii</i>      | II                          | c                           |
| Virginia rail                        | <i>Rallus limicola</i>            | IV                          | a                           |
| Wayne's black-throated green warbler | <i>Setophaga virens waynei</i>    | I                           | c                           |
| Whimbrel                             | <i>Numenius phaeopus</i>          | IV                          | a                           |

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|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Willet                     | <i>Tringa semipalmata</i>   | III                         | a                           |
| Wood thrush                | <i>Hylocichla mustelina</i> | IV                          | b                           |
| Yellow-billed cuckoo       | <i>Coccyzus americanus</i>  | III                         | a                           |
| Yellow-breasted chat       | <i>Icteria virens</i>       | IV                          | a                           |
| Yellow-crowned night-heron | <i>Nyctanassa violacea</i>  | II                          | a                           |

MAMMALS

|  |   |     |   |
|--|---|-----|---|
| Allegheny woodrat                          | <i>Neotoma magister</i>                 | IV  | a |
| Appalachian cottontail                     | <i>Sylvilagus obscurus</i>              | IV  | a |
| Cotton mouse                               | <i>Peromyscus gossypinus gossypinus</i> | IV  | a |
| Delmarva Peninsula fox squirrel            | <i>Sciurus niger cinereus</i>           | II  | c |
| Eastern red bat (proposed for inclusion)   | <i>Lasiurus borealis</i>                | IV  | a |
| Eastern small-footed myotis                | <i>Myotis leibii</i>                    | I   | a |
| Eastern spotted skunk                      | <i>Spilogale putorius putorius</i>      | IV  | c |
| Fisher                                     | <i>Martes pennanti pennanti</i>         | IV  | c |
| Hoary bat                                  | <i>Lasiurus cinereus</i>                | IV  | a |
| Long-tailed shrew                          | <i>Sorex dispar dispar</i>              | IV  | c |
| Marsh rabbit                               | <i>Sylvilagus palustris palustris</i>   | IV  | a |
| Pungo white-footed mouse                   | <i>Peromyscus leucopus easti</i>        | III | c |
| Silver-haired bat (proposed for inclusion) | <i>Lasionycteris noctivagans</i>        | IV  | a |
| Southeastern fox squirrel                  | <i>Sciurus niger niger</i>              | III | a |
| Southeastern myotis                        | <i>Myotis austroriparius</i>            | IV  | a |
| Virginia northern flying squirrel          | <i>Glaucomys sabrinus fuscus</i>        | I   | a |

MARINE MAMMALS

|                             |                           |     |   |
|-----------------------------|---------------------------|-----|---|
| Atlantic bottlenose dolphin | <i>Tursiops truncatus</i> | III | b |
| Harbor porpoise             | <i>Phocoena phocoena</i>  | IV  | c |

MOLLUSKS

Freshwater Mussels & Peaclams

|                            |  |     |   |
|----------------------------|--|-----|---|
| Alewife floater            | <i>Anodonta implicata</i>                | IV  | a |
| Atlantic spike             | <i>Elliptio producta</i>                 | IV  | c |
| Carolina lance mussel      | <i>Elliptio angustata</i>                | IV  | c |
| Carolina slabshell mussel  | <i>Elliptio congaraea</i>                | IV  | a |
| Creepers                   | <i>Strophitus undulatus</i>              | IV  | a |
| Cumberland moccasinshell   | <i>Medionidus conradicus</i>             | IV  | a |
| Eastern lampmussel         | <i>Lampsilis radiata</i>                 | IV  | a |
| Eastern pondmussel         | <i>Ligumia nasuta</i>                    | IV  | a |
| Elktoe                     | <i>Alasmidonta marginata</i>             | II  | c |
| Florida pondhorn           | <i>Unio merus caroliniana</i>            | IV  | c |
| Golden riffleshell         | <i>Epioblasma florentina aureola</i>     | I   | a |
| Longsolid                  | <i>Fusconaia subrotunda</i>              | III | a |
| Mountain creekshell mussel | <i>Villosa vanuxemensis vanuxemensis</i> | IV  | a |
| Northern lance mussel      | <i>Elliptio fisheriana</i>               | IV  | b |
| Notched rainbow            | <i>Villosa constricta</i>                | III | a |
| Pink heelsplitter          | <i>Potamilus alatus</i>                  | III | b |
| Pocketbook mussel          | <i>Lampsilis ovata</i>                   | IV  | a |
| Roanoke slabshell          | <i>Elliptio roanokensis</i>              | II  | b |

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|-------------------------------------|------------------------------------|-----------------------------|-----------------------------|
| Round peaclam                       | <i>Pisidium equilaterale</i>       | IV                          | c                           |
| Tennessee clubshell                 | <i>Pleurobema oviforme</i>         | III                         | a                           |
| Tennessee pigtoe                    | <i>Fusconaia barnesiana</i>        | II                          | a                           |
| Tidewater mucket                    | <i>Leptodea ochracea</i>           | IV                          | a                           |
| Triangle floater                    | <i>Alasmidonta undulata</i>        | IV                          | a                           |
| Virginia pigtoe                     | <i>Lexingtonia subplana</i>        | I                           | b                           |
| Yellow lampmussel                   | <i>Lampsilis cariosa</i>           | II                          | a                           |
| <u>Freshwater &amp; Land Snails</u> |                                    |                             |                             |
| Appalachia bellytooth               | <i>Gastrodonta fonticula</i>       | III                         | c                           |
| Baffled three-tooth                 | <i>Triodopsis fradulenta</i>       | IV                          | c                           |
| Balsam globe                        | <i>Mesodon andrewsae</i>           | II                          | c                           |
| Barred supercoil                    | <i>Paravitrea seradens</i>         | II                          | c                           |
| Bidentate dome                      | <i>Ventridens coelaxis</i>         | III                         | c                           |
| Black mantleslug                    | <i>Pallifera hemphillii</i>        | II                          | c                           |
| Black Mountain disc                 | <i>Discus nigrimontanus</i>        | IV                          | c                           |
| Blotchy mantleslug                  | <i>Megapallifera wetherbyi</i>     | II                          | c                           |
| Blue Ridge springsnail              | <i>Fontigens orolibas</i>          | III                         | c                           |
| Bluegrass snaggletooth              | <i>Gastrocopta clappi</i>          | III                         | c                           |
| Bottle hornsnailed                  | <i>Pleurocera gradate</i>          | I                           | c                           |
| Brilliant glyph                     | <i>Glyphyalinia praecox</i>        | IV                          | c                           |
| Brown globelet                      | <i>Inflectarius kalmianus</i>      | II                          | c                           |
| Brown walker                        | <i>Pomatiopsis cincinnatiensis</i> | III                         | c                           |
| Budded three-tooth                  | <i>Triodopsis tennesseensis</i>    | IV                          | c                           |
| Buttressed threetooth               | <i>Triodopsis rugosa</i>           | IV                          | c                           |
| Carinate slitmouth                  | <i>Stenotrema spinosum</i>         | III                         | c                           |
| Carter threetooth                   | <i>Triodopsis anteridon</i>        | III                         | c                           |
| Cherrystone drop                    | <i>Hendersonia occulta</i>         | IV                          | c                           |
| Chesapeake ambersnail               | <i>Oxyloma subeffusum</i>          | III                         | c                           |
| Clingman covert                     | <i>Fumonelix wheatleyi</i>         | III                         | c                           |
| Coal elimia                         | <i>Elimia aterina</i>              | II                          | c                           |
| Comb supercoil                      | <i>Paravitrea dentilla</i>         | II                          | c                           |
| Crossed dome                        | <i>Ventridens descussatus</i>      | III                         | c                           |
| Cumberland liptooth                 | <i>Millerelix plicata</i>          | III                         | c                           |
| Cupped vertigo                      | <i>Vertigo clappi</i>              | III                         | c                           |
| Delicate vertigo                    | <i>Vertigo bollesiana</i>          | II                          | c                           |
| Depressed glyph                     | <i>Glyphyalinia virginica</i>      | III                         | c                           |
| Dusky fossaria                      | <i>Fossaria dalli</i>              | IV                          | c                           |
| Fine-ribbed striate                 | <i>Striatura milium</i>            | IV                          | c                           |
| Five-tooth vertigo                  | <i>Vertigo ventricosa</i>          | III                         | c                           |
| Flat button                         | <i>Mesomphix subplanus</i>         | III                         | c                           |
| Funnel supercoil                    | <i>Paravitrea mira</i>             | II                          | c                           |
| Glassy grapeskin                    | <i>Vitrinizonites latissimus</i>   | IV                          | c                           |
| Glossy covert                       | <i>Fumonelix christyi</i>          | III                         | c                           |
| Glossy supercoil                    | <i>Paravitrea placentula</i>       | II                          | c                           |
| Golden dome                         | <i>Ventridens arcellus</i>         | IV                          | c                           |
| Gravel elimia                       | <i>Elimia catenaria</i>            | IV                          | c                           |
| Hanging Rock threetooth             | <i>Triodopsis pendula</i>          | II                          | c                           |
| Highland slitmouth                  | <i>Stenotrema altispira</i>        | II                          | c                           |
| Hollow dome                         | <i>Ventridens lasmodon</i>         | IV                          | c                           |

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Virginia Department of Game and Inland Fisheries

Special Status Faunal Species in Virginia

Virginia Wildlife Action Plan, Species of Greatest Conservation Need, Tiered Faunal Species

| <u>Common Name</u>       | <u>Scientific Name</u>          | <u>WAP<sup>1</sup> Tier</u> | <u>WAP<sup>1</sup> Rank</u> |
|--------------------------|---------------------------------|-----------------------------|-----------------------------|
| Lowland pillsnail        | <i>Euchemotrema leai</i>        | IV                          | c                           |
| Maryland glyph           | <i>Glyphyalinia raderi</i>      | II                          | c                           |
| Mountain disc            | <i>Anguispira jessica</i>       | III                         | c                           |
| Natural Bridge supercoil | <i>Paravitrea pontis</i>        | III                         | c                           |
| Oblong ancyloid          | <i>Ferrissia parallelus</i>     | IV                          | c                           |
| Ovate vertigo snail      | <i>Vertigo ovata</i>            | IV                          | c                           |
| Palmetto vertigo         | <i>Vertigo oralis</i>           | IV                          | c                           |
| Panhandle pebblesnail    | <i>Somatogyrus virginicus</i>   | II                          | c                           |
| Pearl supercoil          | <i>Paravitrea calcicola</i>     | IV                          | c                           |
| Piedmont pondsnailed     | <i>Stagnicola neopalustris</i>  | I                           | c                           |
| Pinhole threetooth       | <i>Triodopsis messana</i>       | IV                          | c                           |
| Pittsylvania three-tooth | <i>Triodopsis burchi</i>        | IV                          | c                           |
| Proud globe snail        | <i>Mesodon elevatus</i>         | IV                          | c                           |
| Pygmy slitmouth          | <i>Stenotrema pilula</i>        | III                         | c                           |
| Ribbed striate           | <i>Striatura exigua</i>         | IV                          | c                           |
| Ridged lioplax           | <i>Lioplax subcarinata</i>      | IV                          | c                           |
| Round supercoil          | <i>Paravitrea reesei</i>        | II                          | c                           |
| Rounded dome             | <i>Ventridens lawae</i>         | III                         | c                           |
| Rust glyph               | <i>Glyphyalinia picea</i>       | II                          | c                           |
| Seep mudalia             | <i>Leptoxis dilatata</i>        | IV                          | c                           |
| Sharp sprite             | <i>Promenetus exacuouus</i>     | IV                          | c                           |
| Shrew supercoil          | <i>Paravitrea blarina</i>       | II                          | c                           |
| Slender supercoil        | <i>Paravitrea subtilis</i>      | II                          | c                           |
| Slim snaggletooth        | <i>Gastrocopta pellucida</i>    | IV                          | c                           |
| Smallmouth vertigo       | <i>Vertigo parvula</i>          | III                         | c                           |
| Smooth bladetooth        | <i>Patera laevior</i>           | IV                          | c                           |
| Snowhill ambersnail      | <i>Catinella hubrichti</i>      | II                          | c                           |
| Spruce Knob threetooth   | <i>Triodopsis picea</i>         | II                          | c                           |
| Suborb glyph             | <i>Glyphyalinia sculptilis</i>  | IV                          | c                           |
| Swamp vertigo            | <i>Vertigo teskeyae</i>         | IV                          | c                           |
| Talus coil               | <i>Helicodiscus triodus</i>     | II                          | c                           |
| Temperate coil           | <i>Helicodiscus shimeki</i>     | IV                          | c                           |
| Threeridge               | <i>Amblema plicata</i>          | III                         | b                           |
| Three-ridge valvata      | <i>Valvata tricarinata</i>      | IV                          | c                           |
| Tiny liptooth            | <i>Lobosculum pustuloides</i>   | III                         | c                           |
| Trumpet vallonina        | <i>Vallonia parvula</i>         | IV                          | c                           |
| Twilight coil            | <i>Helicodiscus multidentis</i> | IV                          | c                           |
| Variable mantleslug      | <i>Pallifera varia</i>          | III                         | c                           |
| Virginia bladetooth      | <i>Patera panselenus</i>        | III                         | c                           |
| Virginia mantleslug      | <i>Philomycus virginicus</i>    | III                         | c                           |
| Widespread column        | <i>Pupilla muscorum</i>         | IV                          | c                           |
| Wrinkled button          | <i>Mesomphix rugeli</i>         | IV                          | c                           |
| Yellow dome              | <i>Ventridens pilsbryi</i>      | IV                          | c                           |
| Yellow globelet snail    | <i>Mesodon clausus</i>          | IV                          | c                           |

CRUSTACEANS

|                                |                             |     |   |
|--------------------------------|-----------------------------|-----|---|
| Alleghany County cave amphipod | <i>Stygobromus hoffmani</i> | II  | c |
| Allegheny crayfish             | <i>Orconectes obscurus</i>  | IV  | c |
| Amphipod (no common name)      | <i>Crangonyx acicularis</i> | III | c |
| Amphipod (no common name)      | <i>Crangonyx montanus</i>   | III | c |

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Virginia Department of Game and Inland Fisheries

Special Status Faunal Species in Virginia

Virginia Wildlife Action Plan, Species of Greatest Conservation Need, Tiered Faunal Species

| <u>Common Name</u>  | <u>Scientific Name</u>             | <u>WAP<sup>1</sup> Tier</u> | <u>WAP<sup>1</sup> Rank</u> |
|---|------------------------------------|-----------------------------|-----------------------------|
| Appalachian Valley cave amphipod                                | <i>Crangonyx antennatus</i>        | III                         | c                           |
| Bath County cave amphipod                                       | <i>Stygobromus mundus</i>          | II                          | c                           |
| Big Stone crayfish  | <i>Cambarus sp. 1</i>              | I                           | c                           |
| Bland County amphipod   | <i>Crangonyx fontinalis</i>        | II                          | c                           |
| Blue crayfish   | <i>Cambarus monongalensis</i>      | II                          | a                           |
| Blue Ridge spring amphipod                                      | <i>Stygobromus spinosus</i>        | III                         | c                           |
| Burnsville Cove cave amphipod                                   | <i>Stygobromus conradi</i>         | II                          | c                           |
| Chowanoke crayfish  | <i>Orconectes virginienis</i>      | III                         | a                           |
| Coalfields crayfish   | <i>Cambarus theepiensis</i>        | II                          | c                           |
| Craig County cave amphipod                                      | <i>Stygobromus estesi</i>          | II                          | c                           |
| Cumberland Gap cave amphipod                                    | <i>Baetiscus angulus</i>           | I                           | c                           |
| Cumberland Gap cave isopod                                      | <i>Caecidotea cumberlandensis</i>  | II                          | c                           |
| Cumberland cave amphipod  | <i>Stygobromus cumberlandus</i>    | II                          | c                           |
| Dismal Swamp isopod   | <i>Caecidotea attenuatus</i>       | II                          | c                           |
| Ephemeral cave amphipod   | <i>Stygobromus ephemerus</i>       | I                           | a                           |
| Finley's cave amphipod  | <i>Stygobromus finleyi</i>         | II                          | c                           |
| Henrot's cave isopod  | <i>Caecidotea henroti</i>          | II                          | c                           |
| Incurved cave isopod  | <i>Caecidotea incurva</i>          | II                          | c                           |
| Kenk's amphipod (also known as Rock Creek groundwater amphipod) | <i>Stygobromus kenki</i>           | II                          | c                           |
| Lancaster County amphipod                                       | <i>Crangonyx baculispina</i>       | I                           | c                           |
| Lee County cave amphipod  | <i>Stygobromus leensis</i>         | II                          | c                           |
| Lee County terrestrial cave isopod                              | <i>Ligidium elrodii leensis</i>    | III                         | c                           |
| Longclaw crayfish   | <i>Cambarus buntingi</i>           | III                         | a                           |
| Luray Caverns amphipod  | <i>Stygobromus pseudospinosus</i>  | II                          | c                           |
| Montgomery County cave amphipod                                 | <i>Stygobromus fergusonii</i>      | II                          | c                           |
| Morrison's cave amphipod  | <i>Stygobromus morrisoni</i>       | II                          | c                           |
| Natural Bridge cave isopod                                      | <i>Caecidotea bowmani</i>          | III                         | c                           |
| New Castle Murder Hole amphipod                                 | <i>Stygobromus interitus</i>       | II                          | c                           |
| Northern spring amphipod  | <i>Gammarus pseudolimnaeus</i>     | IV                          | c                           |
| Northern Virginia well amphipod                                 | <i>Stygobromus phreaticus</i>      | I                           | c                           |
| Ohio River shrimp   | <i>Macrobrachium ohione</i>        | IV                          | c                           |
| Phreatic isopod   | <i>Caecidotea phreatica</i>        | I                           | c                           |
| Pittsylvania well amphipod                                      | <i>Stygobromus obrutus</i>         | II                          | c                           |
| Pizzini's amphipod  | <i>Stygobromus pizzinii</i>        | II                          | c                           |
| Powell Valley terrestrial isopod                                | <i>Amerigoniscus henroti</i>       | II                          | c                           |
| Racovitza's terrestrial cave isopod                             | <i>Miktoniscus racovitzae</i>      | III                         | c                           |
| Reticulate crayfish   | <i>Orconectes erichsonianus</i>    | III                         | c                           |
| Rock Creek groundwater amphipod                                 | <i>Stygobromus kenki</i>           | II                          | c                           |
| Rockbridge County cave amphipod                                 | <i>Stygobromus baroodyi</i>        | II                          | c                           |
| Rye Cove isopod   | <i>Lirceus culveri</i>             | I                           | a                           |
| Scott County terrestrial cave isopod                            | <i>Ligidium elrodii scottensis</i> | III                         | c                           |
| Spiny scale crayfish  | <i>Cambarus jezerinaci</i>         | II                          | a                           |
| Surgeon crayfish  | <i>Orconectes forceps</i>          | IV                          | c                           |
| Tidewater interstitial amphipod                                 | <i>Stygobromus araeus</i>          | III                         | c                           |
| Tidewater amphipod  | <i>Stygobromus indentatus</i>      | III                         | c                           |
| Tug Valley crayfish   | <i>Cambarus hatfieldi</i>          | II                          | c                           |

WORMS & PLANARIANS

|                       |                             |    |   |
|-----------------------|-----------------------------|----|---|
| A branchiobdelid worm | <i>Ankyrodrilus legacus</i> | IV | c |
|-----------------------|-----------------------------|----|---|

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Virginia Wildlife Action Plan, Species of Greatest Conservation Need, Tiered Faunal Species

| <u>Common Name</u>                | <u>Scientific Name</u>            | <u>WAP<sup>1</sup> Tier</u> | <u>WAP<sup>1</sup> Rank</u> |
|-----------------------------------|-----------------------------------|-----------------------------|-----------------------------|
| A cave lumbricolid worm           | <i>Spelaedrilus multiporus</i>    | II                          | C                           |
| A cave lumbricolid worm           | <i>Stylodrilus beattiei</i>       | I                           | C                           |
| A cave obligate worm              | <i>Cambarincola fallax</i>        | IV                          | C                           |
| A cave planarian                  | <i>Geocentrophora cavernicola</i> | III                         | C                           |
| A groundwater planarian           | <i>Procotyla typhlops</i>         | I                           | C                           |
| A groundwater planarian           | <i>Sphalloplana hypogea</i>       | II                          | C                           |
| Bigger's groundwater planarian    | <i>Sphalloplana subtilis</i>      | II                          | C                           |
| Chandler's planarian              | <i>Sphalloplana chandleri</i>     | I                           | C                           |
| Holsinger's groundwater planarian | <i>Sphalloplana holsingeri</i>    | II                          | C                           |
| Powell Valley planarian           | <i>Sphalloplana consimilis</i>    | I                           | C                           |
| Rockbridge County cave planarian  | <i>Sphalloplana virginiana</i>    | I                           | C                           |

MILLIPEDES & CENTIPEDES

|                  |                                       |     |   |
|------------------|---------------------------------------|-----|---|
| A cave centipede | <i>Nampabius turbator</i>             | III | C |
| A centipede      | <i>Escaryus ethopus</i>               | IV  | C |
| A millipede      | <i>Pseudotremia sublevis</i>          | II  | C |
| A millipede      | <i>Abacion tessalatum</i>             | IV  | C |
| A millipede      | <i>Aniulus orientalis</i>             | II  | C |
| A millipede      | <i>Apheloria virginiana</i>           | IV  | C |
| A millipede      | <i>Auturus erythropygos</i>           | II  | C |
| A millipede      | <i>Boraria infesta</i>                | IV  | C |
| A millipede      | <i>Brachoria dentata</i>              | II  | C |
| A millipede      | <i>Brachoria insolita</i>             | II  | C |
| A millipede      | <i>Brachoria separanda</i>            | IV  | C |
| A millipede      | <i>Brachoria separanda calcaria</i>   | III | C |
| A millipede      | <i>Brachoria separanda hamata</i>     | III | C |
| A millipede      | <i>Brachoria separanda versicolor</i> | III | C |
| A millipede      | <i>Buotus carolinus</i>               | II  | C |
| A millipede      | <i>Chaetaspis albus</i>               | IV  | C |
| A millipede      | <i>Cherokia georgiana latassa</i>     | IV  | C |
| A millipede      | <i>Cleidogona lachesis</i>            | II  | C |
| A millipede      | <i>Desmonus earlei</i>                | IV  | C |
| A millipede      | <i>Dixioria coronata</i>              | III | C |
| A millipede      | <i>Dixioria fowleri</i>               | II  | C |
| A millipede      | <i>Euryurus leachi fraternus</i>      | IV  | C |
| A millipede      | <i>Gyalostethus monticolens</i>       | IV  | C |
| A millipede      | <i>Nannaria simplex</i>               | II  | C |
| A millipede      | <i>Nannaria wilsoni</i>               | IV  | C |
| A millipede      | <i>Okeanobates americanus</i>         | IV  | C |
| A millipede      | <i>Onomeris underwoodi</i>            | IV  | C |
| A millipede      | <i>Orinisobates nigror</i>            | IV  | C |
| A millipede      | <i>Petaserpes rosalbus</i>            | IV  | C |
| A millipede      | <i>Petaserpes strictus</i>            | IV  | C |
| A millipede      | <i>Pseudopolydesmus paludicolous</i>  | III | C |
| A millipede      | <i>Pseudotremia alecto</i>            | II  | C |
| A millipede      | <i>Pseudotremia armesi</i>            | II  | C |
| A millipede      | <i>Pseudotremia momus</i>             | II  | C |
| A millipede      | <i>Pseudotremia sublevis</i>          | II  | C |
| A millipede      | <i>Pseudotremia tuberculata</i>       | II  | C |
| A millipede      | <i>Pseudotremia valga</i>             | IV  | C |

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Special Status Faunal Species in Virginia

**Virginia Wildlife Action Plan, Species of Greatest Conservation Need, Tiered Faunal Species**

| <u>Common Name</u>                        | <u>Scientific Name</u>              | <u>WAP<sup>1</sup> Tier</u> | <u>WAP<sup>1</sup> Rank</u> |
|---|-------------------------------------|-----------------------------|-----------------------------|
| A millipede                               | <i>Rudiloria kleinpeteri</i>        | IV                          | c                           |
| A millipede                               | <i>Rudiloria trimaculata tortua</i> | IV                          | c                           |
| A millipede                               | <i>Scytonotus virginicus</i>        | IV                          | c                           |
| A millipede                               | <i>Semionellus placidus</i>         | III                         | c                           |
| A millipede                               | <i>Striaria causeyae</i>            | II                          | c                           |
| A millipede                               | <i>Striaria columbiana</i>          | II                          | c                           |
| A millipede                               | <i>Striaria granulosa</i>           | II                          | c                           |
| A millipede                               | <i>Thalassiosobates littoralis</i>  | IV                          | c                           |
| A millipede                               | <i>Trichomeris sinuata</i>          | IV                          | c                           |
| A millipede                               | <i>Trichopetalum dux</i>            | II                          | c                           |
| A millipede                               | <i>Trichopetalum lunatum</i>        | IV                          | c                           |
| A millipede                               | <i>Uroblaniulus canadensis</i>      | IV                          | c                           |
| A millipede                               | <i>Uroblaniulus jerseyi</i>         | III                         | c                           |
| A millipede                               | <i>Virgoiulus minutus</i>           | IV                          | c                           |
| Aeto millipede                            | <i>Conotyla aeto</i>                | II                          | c                           |
| Big Cedar Creek millipede                 | <i>Brachoria falcifera</i>          | II                          | c                           |
| Blowing Rock millipede                    | <i>Cleidogona medialis</i>          | II                          | c                           |
| Brooks millipede                          | <i>Dixioria brooksi</i>             | II                          | c                           |
| Cedar millipede                           | <i>Brachoria cedra</i>              | II                          | c                           |
| Celeno millipede                          | <i>Conotyla celeno</i>              | II                          | c                           |
| Collinwood millipede                      | <i>Brachoria mendota</i>            | II                          | c                           |
| Duke Forest xystodesmid millipede         | <i>Nannaria conservata</i>          | II                          | c                           |
| Faithful millipede                        | <i>Cleidogona fidelitor</i>         | II                          | c                           |
| Hoffman's cleidogonid millipede           | <i>Cleidogona hoffmani</i>          | II                          | c                           |
| Hoffman's xystodesmid millipede           | <i>Brachoria hoffmani</i>           | II                          | c                           |
| Hungry Mother millipede                   | <i>Brachoria ethotela</i>           | IV                          | c                           |
| Keeton's millipede                        | <i>Brachoria laminata</i>           | II                          | c                           |
| McGraw Gap xystodesmid millipede          | <i>Nannaria ericaea</i>             | III                         | c                           |
| Melinda millipede                         | <i>Conotyla melinda</i>             | II                          | c                           |
| Montane centipede                         | <i>Escaryus cryptorobius</i>        | II                          | c                           |
| Shenandoah Mountain xystodesmid millipede | <i>Nannaria shenandoah</i>          | II                          | c                           |
| Smith Creek xystodesmid millipede         | <i>Nannaria laminata</i>            | II                          | c                           |
| South Branch Valley cave millipede        | <i>Pseudotremia princeps</i>        | II                          | c                           |
| Turner's millipede                        | <i>Brachoria turneri</i>            | II                          | c                           |
| Venetia millipede                         | <i>Conotyla venetia</i>             | II                          | c                           |
| Whitotop Mountain centipede               | <i>Escaryus orestes</i>             | II                          | c                           |

ARACHNIDS

|                       |                                      |     |   |
|-----------------------|--------------------------------------|-----|---|
| A cave pseudoscorpion | <i>Apochthonius coecus</i>           | II  | b |
| A cave pseudoscorpion | <i>Apochthonius holsingeri</i>       | II  | b |
| A cave pseudoscorpion | <i>Chitrella cavicola</i>            | III | b |
| A cave pseudoscorpion | <i>Chitrella superba</i>             | II  | b |
| A cave pseudoscorpion | <i>Kleptochthonius anophthalmus</i>  | II  | b |
| A cave pseudoscorpian | <i>Kleptochthonius binocularatus</i> | II  | b |
| A cave pseudoscorpion | <i>Kleptochthonius proximasetus</i>  | II  | b |
| A cave pseudoscorpion | <i>Kleptochthonius regulus</i>       | II  | b |
| A cave pseudoscorpion | <i>Kleptochthonius similis</i>       | II  | b |
| A cave pseudoscorpion | <i>Mundochthonius holsingeri</i>     | II  | b |
| A cave spider         | <i>Anthrobia mammouthia</i>          | III | c |

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Virginia Department of Game and Inland Fisheries

Special Status Faunal Species in Virginia

Virginia Wildlife Action Plan, Species of Greatest Conservation Need, Tiered Faunal Species

| <u>Common Name</u>              | <u>Scientific Name</u>             | <u>WAP<sup>1</sup> Tier</u> | <u>WAP<sup>1</sup> Rank</u> |
|---------------------------------|------------------------------------|-----------------------------|-----------------------------|
| A cave spider                   | <i>Bathyphantes weyeri</i>         | III                         | c                           |
| A cave spider                   | <i>Islandiana muma</i>             | II                          | c                           |
| A funnel-web spider             | <i>Barronopsis jeffersi</i>        | II                          | c                           |
| A gnaphosid spider              | <i>Drassyllus louisianus</i>       | IV                          | c                           |
| A gnaphosid spider              | <i>Gnaphosa fontinalis</i>         | IV                          | c                           |
| A nursery-web spider            | <i>Pisaurina dubia</i>             | IV                          | c                           |
| A two-clawed hunting spider     | <i>Castianeira trilineata</i>      | IV                          | c                           |
| A two-clawed hunting spider     | <i>Clubiona spiralis</i>           | IV                          | c                           |
| A wolf spider                   | <i>Lycosa lenta</i>                | IV                          | c                           |
| An amaurobiid spider            | <i>Amaurobius borealis</i>         | IV                          | c                           |
| Atlantic purse-web spider       | <i>Sphodros atlanticus</i>         | IV                          | c                           |
| Black purse-web spider          | <i>Sphodros niger</i>              | IV                          | c                           |
| Carolina scorpion               | <i>Vaejovis carolinianus</i>       | IV                          | c                           |
| Coyle's purse-web spider        | <i>Sphodros coylei</i>             | IV                          | c                           |
| Crablike spiny orb weaver       | <i>Gasteracantha cancriformis</i>  | IV                          | c                           |
| Emerton's crab spider           | <i>Xysticus emertoni</i>           | IV                          | c                           |
| Gertsch's lampshade-web spider  | <i>Hypochilus gertschi</i>         | III                         | c                           |
| Gertsch's cave pseudoscorpion   | <i>Kleptochthonius gertschi</i>    | II                          | b                           |
| Lutz's cave pseudoscorpion      | <i>Kleptochthonius lutzii</i>      | II                          | b                           |
| Pocock's lampshade-web spider   | <i>Hypochilus pococki</i>          | IV                          | c                           |
| Red-legged purse-web spider     | <i>Sphodros rufipes</i>            | IV                          | c                           |
| Robust trapdoor spider          | <i>Antrodiaetus robustus</i>       | III                         | c                           |
| Shenandoah pseudoscorpion       | <i>Kleptochthonius polychaetus</i> | III                         | b                           |
| Southeastern wandering spider   | <i>Anahita punctulata</i>          | IV                          | c                           |
| Thorell's lampshade-web spider  | <i>Hypochilus thorelli</i>         | IV                          | c                           |
| Valentine's cave pseudoscorpion | <i>Microcreagris valentinei</i>    | II                          | b                           |

INSECTS

|                         |                                   |     |   |
|-------------------------|-----------------------------------|-----|---|
| A cane moth             | <i>Argillophora furcilla</i>      | IV  | c |
| A cane moth             | <i>Franclemontia interrogans</i>  | IV  | c |
| A cave beetle           | <i>Pseudanophthalmus gracilis</i> | II  | c |
| A cave beetle           | <i>Pseudanophthalmus pusio</i>    | III | c |
| A cave beetle           | <i>Pseudanophthalmus seclusus</i> | II  | c |
| A geometrid moth        | <i>Lophosis labeculata</i>        | IV  | c |
| A geometrid moth        | <i>Lytosis permagnaria</i>        | IV  | c |
| A ground beetle         | <i>Cyclotrachelus incisus</i>     | III | c |
| A ground beetle         | <i>Phloeoxena signata</i>         | IV  | c |
| A ground beetle         | <i>Rhadine caudata</i>            | IV  | c |
| A leaf beetle           | <i>Calligrapha pnirsa</i>         | IV  | c |
| A limnephilid caddisfly | <i>Anabolia apora</i>             | II  | c |
| A limnephilid caddisfly | <i>Nemotaulius hostilis</i>       | IV  | c |
| A mayfly                | <i>Baetisca rubescens</i>         | III | c |
| A mayfly                | <i>Ephemerella inconstans</i>     | III | c |
| A mayfly                | <i>Habrophlebiodes celeteria</i>  | III | c |
| A mayfly                | <i>Isonychia arida</i>            | IV  | c |
| A mayfly                | <i>Isonychia serrata</i>          | IV  | c |
| A mayfly                | <i>Isonychia tusculanensis</i>    | II  | c |
| A mayfly                | <i>Paraleptophlebia assimilis</i> | III | c |
| A mayfly                | <i>Paraleptophlebia jeanae</i>    | III | c |
| A mayfly                | <i>Rhithrogena anomala</i>        | III | c |

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Virginia Department of Game and Inland Fisheries

Special Status Faunal Species in Virginia

Virginia Wildlife Action Plan, Species of Greatest Conservation Need, Tiered Faunal Species

| <u>Common Name</u>                     | <u>Scientific Name</u>             | <u>WAP<sup>1</sup> Tier</u> | <u>WAP<sup>1</sup> Rank</u> |
|--|------------------------------------|-----------------------------|-----------------------------|
| A mirid bug                            | <i>Bothynotus johnstoni</i>        | IV                          | c                           |
| A noctuid moth                         | <i>Hadena ectypa</i>               | IV                          | c                           |
| A noctuid moth                         | <i>Meropleon titan</i>             | IV                          | c                           |
| A noctuid moth                         | <i>Oxycilla mitographa</i>         | IV                          | c                           |
| A noctuid moth                         | <i>Zale curema</i>                 | IV                          | c                           |
| A philopotamid caddisfly               | <i>Wormaldia thyria</i>            | III                         | c                           |
| A rhyacophilid caddisfly               | <i>Rhyacophila tricornuta</i>      | II                          | c                           |
| A shield bug                           | <i>Galgupha denudata</i>           | IV                          | c                           |
| A spur-throat grasshopper              | <i>Melanoplus pachycercus</i>      | IV                          | c                           |
| A tiger beetle                         | <i>Cicindela formosa generosa</i>  | IV                          | c                           |
| A tiger beetle                         | <i>Cicindela gratiosa</i>          | IV                          | c                           |
| A tiger beetle                         | <i>Cicindela limbalis</i>          | IV                          | c                           |
| A turtle bug                           | <i>Oncozygia clavicornis</i>       | IV                          | c                           |
| A water scorpion                       | <i>Nepa apiculata</i>              | IV                          | c                           |
| A water strider                        | <i>Limnoporus dissortis</i>        | IV                          | c                           |
| Acuminate water boatman                | <i>Ramphocorixa acuminata</i>      | IV                          | c                           |
| Allegheny mayfly                       | <i>Ameletus cryptostimulus</i>     | IV                          | c                           |
| Allegheny river cruiser                | <i>Macromia alleghaniensis</i>     | IV                          | c                           |
| Allegheny snaketail                    | <i>Ophiogomphus allegheniensis</i> | III                         | c                           |
| American Bumble Bee                    | <i>Bombus pennsylvanicus</i>       | IV                          | a                           |
| American emerald                       | <i>Cordulia shurtleffi</i>         | IV                          | c                           |
| An assassin bug                        | <i>Ploiaria hirticornis</i>        | IV                          | c                           |
| Appalachian grasshopper                | <i>Appalachia hebardii</i>         | III                         | c                           |
| Appalachian jewelwing                  | <i>Calopteryx angustipennis</i>    | III                         | c                           |
| Appalachian rhyacophilid caddisfly     | <i>Rhyacophila appalachia</i>      | III                         | c                           |
| Appalachian snaketail                  | <i>Ophiogomphus incurvatus</i>     | II                          | c                           |
|  | <i>alleghaniensis</i>              |                             |                             |
| Appalachian stonefly                   | <i>Hansonoperla appalachia</i>     | II                          | c                           |
| Arogos skipper                         | <i>Atrytone arogos arogos</i>      | I                           | c                           |
| Ashton Cuckoo Bumble Bee               | <i>Bombus bohemicus</i>            | I                           | a                           |
| Avernum cave beetle                    | <i>Pseudanophthalmus avernum</i>   | II                          | c                           |
| Banner clubtail                        | <i>Gomphus apomyius</i>            | IV                          | c                           |
| Barrens dagger moth                    | <i>Acronicta albarufa</i>          | IV                          | c                           |
| Barrens tiger beetle                   | <i>Cicindela patruela</i>          | III                         | c                           |
| Beaverpond baskettail                  | <i>Epitheca canis</i>              | IV                          | c                           |
| Beaverpond clubtail                    | <i>Gomphus borealis</i>            | IV                          | c                           |
| Benfield's bearded small minnow mayfly | <i>Barbaetis benfieldi</i>         | II                          | c                           |
| Bent forestfly                         | <i>Ostrocerca prolongata</i>       | III                         | c                           |
| Berner's Ephemerella mayfly            | <i>Ephemerella berneri</i>         | III                         | c                           |
| Big stripetail stonefly                | <i>Isoperla major</i>              | I                           | a                           |
| Black dash                             | <i>Euphyes conspicua</i>           | IV                          | c                           |
| Black lordithon rove beetle            | <i>Lordithon niger</i>             | III                         | c                           |
| Black-tipped darner                    | <i>Aeshna tuberculifera</i>        | IV                          | c                           |
| Blackwater bluet                       | <i>Enallagma weewa</i>             | IV                          | c                           |
| Blue Ridge snowfly                     | <i>Allocapnia stannardi</i>        | III                         | c                           |
| Blue Ridge springfly                   | <i>Remenus kirchneri</i>           | III                         | c                           |
| Blue Ridge stonefly                    | <i>Perlesta frisoni</i>            | III                         | c                           |
| Brimley's assassin bug                 | <i>Pnirontis brimleyi</i>          | III                         | c                           |
| Bronze copper                          | <i>Lycaena hyllus</i>              | IV                          | c                           |
| Brook snaketail                        | <i>Ophiogomphus aspersus</i>       | III                         | c                           |
| Buchholz's gray moth                   | <i>Hypomecis buchholzaria</i>      | IV                          | c                           |

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Virginia Department of Game and Inland Fisheries

Special Status Faunal Species in Virginia

**Virginia Wildlife Action Plan, Species of Greatest Conservation Need, Tiered Faunal Species**

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|--------------------------------|--------------------------------------|-----------------------------|-----------------------------|
| Burgundy bluet                 | <i>Enallagma dubium</i>              | IV                          | c                           |
| Burkes Garden cave beetle      | <i>Pseudanophthalmus hortulanus</i>  | II                          | c                           |
| Canada darner                  | <i>Aeshna canadensis</i>             | IV                          | c                           |
| Carolina salmonfly             | <i>Pteronarcys scotti</i>            | IV                          | c                           |
| Carolina spreadwing            | <i>Lestes vidua</i>                  | IV                          | c                           |
| Chalk-fronted corporal skimmer | <i>Ladona julia</i>                  | IV                          | c                           |
| Cherokee clubtail              | <i>Gomphus consanguis</i>            | II                          | c                           |
| Chestnut clearwing moth        | <i>Synanthedon castaneae</i>         | IV                          | c                           |
| Chestnut leaf-mining moth      | <i>Tischeria perplexa</i>            | III                         | c                           |
| Cinnamon shadowdragon          | <i>Neurocordulia virginiensis</i>    | IV                          | c                           |
| Combneck assassin bug          | <i>Ctenotrachelus shermani</i>       | IV                          | c                           |
| Consort underwing              | <i>Catocala consors sorsconi</i>     | IV                          | c                           |
| Coppery emerald                | <i>Somatochlora georgiana</i>        | III                         | c                           |
| Crossroads Cave beetle         | <i>Pseudanophthalmus intersectus</i> | II                          | c                           |
| Cryptic willowfly              | <i>Taeniopteryx nelsoni</i>          | I                           | b                           |
| Cumberland Gap cave beetle     | <i>Pseudanophthalmus hirsutus</i>    | II                          | c                           |
| Dark stoneroot borer moth      | <i>Papaipema duplicata</i>           | IV                          | c                           |
| Deceptive cave beetle          | <i>Pseudanophthalmus deceptivus</i>  | II                          | c                           |
| Delicate cave beetle           | <i>Pseudanophthalmus delicatus</i>   | III                         | c                           |
| Delta-spotted spiketail        | <i>Cordulegaster diastatops</i>      | IV                          | c                           |
| Diana fritillary               | <i>Speyeria diana</i>                | IV                          | c                           |
| Dismal Swamp green stink bug   | <i>Chlorochroa dismalia</i>          | III                         | c                           |
| Doll's Merolonche moth         | <i>Merolonche dolli</i>              | III                         | c                           |
| Dot-tailed whiteface           | <i>Leucorrhinia intacta</i>          | IV                          | c                           |
| Dotted skipper                 | <i>Hesperia attalus slossonae</i>    | II                          | c                           |
| Drake's water scorpion         | <i>Ranatra drakei</i>                | IV                          | c                           |
| Dukes' skipper                 | <i>Euphyes dukesi</i>                | III                         | c                           |
| Dusky roadside-skipper         | <i>Amblyscirtes alternata</i>        | III                         | c                           |
| Dusky sallfly                  | <i>Alloperla biserrata</i>           | III                         | c                           |
| Early hairstreak               | <i>Erora laeta</i>                   | IV                          | c                           |
| Elfin skimmer                  | <i>Nannothemis bella</i>             | IV                          | c                           |
| Elusive clubtail               | <i>Stylurus notatus</i>              | II                          | c                           |
| Emerald spreadwing             | <i>Lestes dryas</i>                  | IV                          | c                           |
| Faded pennant                  | <i>Celithemis ornata</i>             | IV                          | c                           |
| Fine-lined emerald             | <i>Somatochlora filosa</i>           | IV                          | c                           |
| Frosted elfin                  | <i>Callophrys irus</i>               | IV                          | c                           |
| Frosted whiteface              | <i>Leucorrhinia frigida</i>          | IV                          | c                           |
| Gammon's riffle beetle         | <i>Stenelmis gammoni</i>             | II                          | c                           |
| Georgia Isonychia mayfly       | <i>Isonychia georgiae</i>            | III                         | c                           |
| Georgia satyr                  | <i>Neonympha areolata</i>            | IV                          | c                           |
| Gray petaltail                 | <i>Tachopteryx thoreyi</i>           | IV                          | c                           |
| Green-faced clubtail           | <i>Gomphus viridifrons</i>           | II                          | c                           |
| Green-striped darner           | <i>Aeshna verticalis</i>             | IV                          | c                           |
| Hagen's bluet                  | <i>Enallagma hageni</i>              | IV                          | c                           |
| Harpoon clubtail               | <i>Gomphus descriptus</i>            | IV                          | c                           |
| Hebard's noctuid moth          | <i>Erythroecia hebardii</i>          | III                         | c                           |
| Hercules club stink bug        | <i>Elasmostethus atricornis</i>      | IV                          | c                           |
| Hessel's hairstreak            | <i>Callophrys hesseli</i>            | III                         | c                           |
| Highlands springfly            | <i>Yugus arinus</i>                  | III                         | c                           |
| Hoary elfin                    | <i>Callophrys polios</i>             | IV                          | c                           |
| Hoffman's Isonychia mayfly     | <i>Isonychia hoffmani</i>            | II                          | c                           |

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|-------------------------------------|--|-----------------------------|-----------------------------|
| Holston sallfly                     | <i>Sweltsa holstonensis</i>            | II                          | c                           |
| Hubbard's cave beetle               | <i>Pseudanophthalmus hubbardi</i>      | II                          | c                           |
| Hubricht's cave beetle              | <i>Pseudanophthalmus hubrichti</i>     | II                          | c                           |
| Hudsonian whiteface                 | <i>Leucorrhinia hudsonica</i>          | IV                          | c                           |
| Illinois snowfly                    | <i>Allocapnia illinoensis</i>          | III                         | c                           |
| Jane's meadowhawk                   | <i>Sympetrum janeae</i>                | IV                          | c                           |
| Jefferson's short-nosed scorpionfly | <i>Brachypanorpa jeffersoni</i>        | III                         | c                           |
| Johnson's prongbill mayfly          | <i>Leptophlebia johnsoni</i>           | IV                          | c                           |
| Kanawhole springfly                 | <i>Diploperla kanawholensis</i>        | II                          | c                           |
| King's hairstreak                   | <i>Satyrium kingi</i>                  | IV                          | c                           |
| Kosztarab's common stonefly         | <i>Acroneuria kosztarabi</i>           | I                           | c                           |
| Lance-tipped darter                 | <i>Aeshna constricta</i>               | IV                          | c                           |
| Laura's clubtail                    | <i>Stylurus laurae</i>                 | IV                          | c                           |
| Lemmer's pinion moth                | <i>Lithophane lemmeri</i>              | IV                          | c                           |
| Lilypad clubtail                    | <i>Arigomphus furcifer</i>             | IV                          | c                           |
| Little Kennedy Cave beetle          | <i>Pseudanophthalmus cordicollis</i>   | II                          | c                           |
| Little metalmark                    | <i>Calephelis virginiensis</i>         | III                         | c                           |
| Lobed roachfly                      | <i>Tallaperla lobata</i>               | II                          | c                           |
| Long dash                           | <i>Polites mystic</i>                  | IV                          | c                           |
| Long-headed cave beetle             | <i>Pseudanophthalmus longiceps</i>     | II                          | c                           |
| Maiden Spring cave beetle           | <i>Pseudanophthalmus virginicus</i>    | II                          | c                           |
| Maine snaketail                     | <i>Ophiogomphus mainensis</i>          | IV                          | c                           |
| Manassas stonefly                   | <i>Acroneuria flinti</i>               | I                           | c                           |
| Mantled baskettail                  | <i>Epitheca semiaquea</i>              | IV                          | c                           |
| Marbled underwing                   | <i>Catocala marmorata</i>              | IV                          | c                           |
| Marsh bluet                         | <i>Enallagma ebrium</i>                | IV                          | c                           |
| Martha's pennant                    | <i>Celithemis martha</i>               | IV                          | c                           |
| Maureen's shale stream beetle       | <i>Hydraena maureenae</i>              | II                          | c                           |
| Midland clubtail                    | <i>Gomphus fraternus</i>               | IV                          | c                           |
| Milne's Euchaena moth               | <i>Euchaena milnei</i>                 | IV                          | c                           |
| Mississippi turtle bug              | <i>Allopodops mississippiensis</i>     | IV                          | c                           |
| Mitchell needlefly                  | <i>Leuctra mitchellensis</i>           | III                         | c                           |
| Mixed dart moth                     | <i>Euxoa immixta</i>                   | IV                          | c                           |
| Monarch Butterfly                   | <i>Danaus plexippus plexippus</i>      | III                         | a                           |
| Montane needlefly                   | <i>Leuctra monticola</i>               | II                          | c                           |
| Mottled duskywing                   | <i>Erynnis martialis</i>               | III                         | c                           |
| Mountain river cruiser              | <i>Macromia margarita</i>              | II                          | c                           |
| Moustached clubtail                 | <i>Gomphus adelphus</i>                | IV                          | c                           |
| Mud-dwelling cave beetle            | <i>Pseudanophthalmus limicola</i>      | II                          | c                           |
| Natural Bridge cave beetle          | <i>Pseudanophthalmus pontis</i>        | II                          | c                           |
| Nelson's cave beetle                | <i>Pseudanophthalmus nelsoni</i>       | II                          | c                           |
| New River Valley cave beetle        | <i>Pseudanophthalmus egberti</i>       | II                          | c                           |
| Newfound willowfly                  | <i>Strophopteryx limata</i>            | III                         | c                           |
| Northern bluet                      | <i>Enallagma cyathigerum</i>           | IV                          | c                           |
| Northern bush katydid               | <i>Scudderia septentrionalis</i>       | IV                          | c                           |
| Northern common spreadwing          | <i>Lestes disjunctus</i>               | IV                          | c                           |
| Northern metalmark                  | <i>Calephelis borealis</i>             | IV                          | c                           |
| Northern pygmy clubtail             | <i>Lanthus parvulus</i>                | IV                          | c                           |
| Notched forestfly                   | <i>Ostrocerca complexa</i>             | IV                          | c                           |
| Orange-bellied tiger beetle         | <i>Cicindela abdominalis</i>           | IV                          | c                           |
| Overlooked cave beetle              | <i>Pseudanophthalmus praetermissus</i> | II                          | c                           |

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Virginia Department of Game and Inland Fisheries

Special Status Faunal Species in Virginia

Virginia Wildlife Action Plan, Species of Greatest Conservation Need, Tiered Faunal Species

| <u>Common Name</u>                | <u>Scientific Name</u>                         | <u>WAP<sup>1</sup> Tier</u> | <u>WAP<sup>1</sup> Rank</u> |
|-----------------------------------|--|-----------------------------|-----------------------------|
| Palatka skipper                   | <i>Euphyes pilatka</i>                         | III                         | c                           |
| Pale bluet                        | <i>Enallagma pallidum</i>                      | IV                          | c                           |
| Persius duskywing                 | <i>Erynnis persius persius</i>                 | II                          | c                           |
| Petrunkevitch's cave beetle       | <i>Pseudanophthalmus petrunkevitchi</i>        | II                          | c                           |
| Piedmont clubtail                 | <i>Gomphus parvidens</i>                       | IV                          | c                           |
| Pine barrens underwing            | <i>Catocala herodias</i>                       | III                         | c                           |
| Pink-edged sulphur                | <i>Colias interior</i>                         | IV                          | c                           |
| Pink-streak moth                  | <i>Faronta rubripennis</i>                     | IV                          | c                           |
| Pitcher plant midge               | <i>Metriocnemus knabi</i>                      | IV                          | c                           |
| Precious underwing                | <i>Catocala pretiosa pretiosa</i>              | II                          | c                           |
| Pygmy snaketail                   | <i>Ophiogomphus howei</i>                      | II                          | c                           |
| Rapids clubtail                   | <i>Gomphus quadricolor</i>                     | III                         | c                           |
| Rare skipper                      | <i>Problema bulenta</i>                        | II                          | c                           |
| Rare spring moth                  | <i>Heliomata infulata</i>                      | IV                          | c                           |
| Red-waisted whiteface             | <i>Leucorrhinia proxima</i>                    | IV                          | c                           |
| Regal damer                       | <i>Coryphaeschna ingens</i>                    | IV                          | c                           |
| Regal fritillary                  | <i>Speyeria idalia idalia</i>                  | I                           | a                           |
| Riffle snaketail                  | <i>Ophiogomphus carolus</i>                    | IV                          | c                           |
| River jewelwing                   | <i>Calopteryx aequabilis</i>                   | IV                          | c                           |
| Riverbank tiger beetle            | <i>Cicindela ancocisconensis</i>               | III                         | c                           |
| Riverine clubtail                 | <i>Stylurus amnicola</i>                       | IV                          | c                           |
| Robust baskettail                 | <i>Epithea spinosa</i>                         | IV                          | c                           |
| Rock Island springfly             | <i>Isogenoides varians</i>                     | III                         | c                           |
| Rotund cave beetle                | <i>Pseudanophthalmus rotundatus</i>            | II                          | c                           |
| Rusty-patched bumble bee          | <i>Bombus affinis</i>                          | I                           | a                           |
| Sable clubtail                    | <i>Gomphus rogersi</i>                         | IV                          | c                           |
| Saint Paul cave beetle            | <i>Pseudanophthalmus sanctipauli</i>           | II                          | c                           |
| Sandpit alydid bug                | <i>Stachyocnemus apicalis</i>                  | III                         | c                           |
| Schaum's ground beetle            | <i>Sphaeroderus schaumii</i>                   | IV                          | c                           |
| Schwarz' diving beetle            | <i>Laccophilus schwarzi</i>                    | IV                          | c                           |
| Sedge sprite                      | <i>Nehalennia irene</i>                        | IV                          | c                           |
| Selys' sundragon                  | <i>Helocordulia selysii</i>                    | IV                          | c                           |
| Septima's clubtail                | <i>Gomphus septima</i>                         | II                          | c                           |
| Shenandoah needlefly              | <i>Megaleuctra flinti</i>                      | III                         | c                           |
| Shenandoah rhyacophilid caddisfly | <i>Rhyacophila shenandoahensis</i>             | III                         | c                           |
| Silken cave beetle                | <i>Pseudanophthalmus sericus</i>               | II                          | c                           |
| Six-banded longhorn beetle        | <i>Dryobius sexnotatus</i>                     | IV                          | c                           |
| Skillet clubtail                  | <i>Gomphus ventricosus</i>                     | II                          | c                           |
| Ski-tailed emerald                | <i>Somatochlora elongata</i>                   | IV                          | c                           |
| Smokies needlefly                 | <i>Megaleuctra williamsae</i>                  | II                          | c                           |
| Smokies snowfly                   | <i>Allocapnia fumosa</i>                       | III                         | c                           |
| Smoky willowfly                   | <i>Bolotoperla rossi</i>                       | IV                          | c                           |
| Smyth's Apamea moth               | <i>Apamea smythi</i>                           | II                          | c                           |
| South Branch Valley cave beetle   | <i>Pseudanophthalmus potomaca<br/>potomaca</i> | II                          | c                           |
| Southeastern myotis bat fly       | <i>Basilia boardmani</i>                       | III                         | c                           |
| Southeastern roachfly             | <i>Tallaperla cornelia</i>                     | IV                          | c                           |
| Southern pitcher plant mosquito   | <i>Wyeomyia haynei</i>                         | IV                          | c                           |
| Southern Plains Bumble Bee        | <i>Bombus fraternus</i>                        | II                          | a                           |
| Southern Ptichodis moth           | <i>Ptichodis bistrigata</i>                    | IV                          | c                           |
| Southern springfly                | <i>Cultus decisus isolatus</i>                 | III                         | c                           |

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Virginia Department of Game and Inland Fisheries

Special Status Faunal Species in Virginia

**Virginia Wildlife Action Plan, Species of Greatest Conservation Need, Tiered Faunal Species**

| <u>Common Name</u>                   | <u>Scientific Name</u>               | <u>WAP<sup>1</sup> Tier</u> | <u>WAP<sup>1</sup> Rank</u> |
|--------------------------------------|--------------------------------------|-----------------------------|-----------------------------|
| Southern sprite                      | <i>Nehalennia integricollis</i>      | IV                          | c                           |
| Spatterdock damer                    | <i>Aeshna mutata</i>                 | III                         | c                           |
| Spatulate snowfly                    | <i>Allocapnia simmonsii</i>          | II                          | c                           |
| Spectral tiger beetle                | <i>Cicindela lepida</i>              | IV                          | c                           |
| Sphagnum sprite                      | <i>Nehalennia gracilis</i>           | IV                          | c                           |
| Spieth's great speckled olive mayfly | <i>Siphloplecton costalense</i>      | II                          | c                           |
| Spine-crowned clubtail               | <i>Gomphus abbreviatus</i>           | III                         | c                           |
| Spiny salmonfly                      | <i>Pteronarcys comstocki</i>         | III                         | c                           |
| Spotted cave beetle                  | <i>Pseudanophthalmus punctatus</i>   | II                          | c                           |
| Straley's Cave beetle                | <i>Pseudanophthalmus quadratus</i>   | II                          | c                           |
| Stripe-winged baskettail             | <i>Epitheca costalis</i>             | IV                          | c                           |
| Stygian shadowdragon                 | <i>Neurocordulia yamaskanensis</i>   | IV                          | c                           |
| Superb jewelwing                     | <i>Calopteryx amata</i>              | IV                          | c                           |
| Swamp forestfly                      | <i>Prostoia hallasi</i>              | III                         | c                           |
| Swannanoa sallfly                    | <i>Alloperla nanina</i>              | IV                          | c                           |
| Sweet underwing                      | <i>Catocala dulciola</i>             | III                         | c                           |
| Tarter's Ameletus mayfly             | <i>Ameletus tarteri</i>              | II                          | c                           |
| Tawny crescent                       | <i>Phyciodes batesii batesii</i>     | II                          | c                           |
| Teays stonefly                       | <i>Perlesta teaysia</i>              | III                         | c                           |
| Tennessee sallfly                    | <i>Alloperla neglecta</i>            | III                         | c                           |
| Thin-neck cave beetle                | <i>Pseudanophthalmus parvicollis</i> | II                          | c                           |
| Treetop emerald                      | <i>Somatochlora provocans</i>        | IV                          | c                           |
| Tufted sallfly                       | <i>Alloperla banksi</i>              | IV                          | c                           |
| Tuscarora emerald                    | <i>Nemoria tuscarora</i>             | IV                          | c                           |
| Two-spotted skipper                  | <i>Euphyes bimacula</i>              | IV                          | c                           |
| Two-striped forceptail               | <i>Aphylla williamsoni</i>           | IV                          | c                           |
| Variable Cuckoo Bumble Bee           | <i>Bombus variabilis</i>             | I                           | a                           |
| Variiegated meadowhawk               | <i>Sympetrum corruptum</i>           | IV                          | c                           |
| Vernal sallfly                       | <i>Alloperla ideii</i>               | III                         | c                           |
| Vicariant cave beetle                | <i>Pseudanophthalmus vicarius</i>    | II                          | c                           |
| Virginia sallfly                     | <i>Sweltsa voshelli</i>              | III                         | c                           |
| Virginia springfly                   | <i>Diploperla morgani</i>            | III                         | c                           |
| White corporal skimmer               | <i>Ladona exusta</i>                 | IV                          | c                           |
| White sand-river mayfly              | <i>Pseudiron centralis</i>           | IV                          | c                           |
| White-faced meadowhawk               | <i>Sympetrum obtrusum</i>            | IV                          | c                           |
| Widecollar stonefly                  | <i>Paragnetina ichusa</i>            | III                         | c                           |
| Williamson's emerald                 | <i>Somatochlora williamsoni</i>      | IV                          | c                           |
| Yellow Bumble Bee                    | <i>Bombus fervidus</i>               | IV                          | a                           |
| Yellow stoneroot borer moth          | <i>Papaipema astuta</i>              | IV                          | c                           |
| Yellow-banded Bumble Bee             | <i>Bombus terricola</i>              | III                         | a                           |
| Yellow-edged Pygarcia moth           | <i>Pygarcia abdominalis</i>          | IV                          | c                           |
| Yucca giant-skipper                  | <i>Megathymus yuccae</i>             | IV                          | c                           |
| Zebra clubtail                       | <i>Stylurus scudderii</i>            | IV                          | c                           |

For further information or details regarding this list or any species listed herein, please contact:

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