

## Appendix G. Habitat Groupings Used by TACs in Assessment of Threats, Conservation Actions, and Research/Monitoring Needs

This appendix contains lists of all species that were grouped into habitats by the TACs when assessing threats, conservation actions, and research and monitoring needs. They are listed by tier then alphabetically by scientific name within each taxonomic group. The taxonomic groups are listed in the same order as throughout the document.

Big Sandy River Fishes		
Common Name	Scientific Name	Tier
Variagate darter	<i>Etheostoma variatum</i>	II
Rainbow darter	<i>Etheostoma caeruleum</i>	IV
Banded darter	<i>Etheostoma zonale</i>	IV
Sand shiner	<i>Notropis stramineus</i>	IV
Logperch	<i>Percina caprodes</i>	IV
Blackside darter	<i>Percina maculata</i>	IV
Sharpnose darter	<i>Percina oxyrhynchus</i>	IV
Suckermouth minnow	<i>Phenacobius mirabilis</i>	IV

Chowan River Fishes		
Common Name	Scientific Name	Tier
Bridle shiner	<i>Notropis bifrenatus</i>	I
Roanoke logperch	<i>Percina rex</i>	I
Roanoke bass	<i>Ambloplites cavifrons</i>	II
Alewife	<i>Alosa pseudoharengus</i>	IV
American shad	<i>Alosa sapidissima</i>	IV
American eel	<i>Anguilla rostrata</i>	IV
Lake chubsucker	<i>Erimyzon sucetta</i>	IV
American brook lamprey	<i>Lampetra appendix</i>	IV
Whitemouth shiner	<i>Notropis alborus</i>	IV
Ironcolor shiner	<i>Notropis chalybaeus</i>	IV

Chowan Drainage Swamp, Pond, and Impoundment Fishes		
Common Name	Scientific Name	Tier
Blackbanded sunfish	<i>Enneacanthus chaetodon</i>	I
Mud sunfish	<i>Acantharcus pomotis</i>	IV
Swampfish	<i>Chologaster cornuta</i>	IV
Banded sunfish	<i>Enneacanthus obesus</i>	IV
Lined topminnow	<i>Fundulus lineolatus</i>	IV

Clinch and Powell River Fishes		
Common Name	Scientific Name	Tier
Slender chub	<i>Erimystax cahni</i>	I
Ashy darter	<i>Etheostoma cinereum</i>	I
Duskytail darter	<i>Etheostoma percunurum</i>	I
Yellowfin madtom	<i>Noturus flavipinnis</i>	I
Western sand darter	<i>Ammocrypta clara</i>	II
Popeye shiner	<i>Notropis ariommus</i>	II

VIRGINIA'S COMPREHENSIVE WILDLIFE CONSERVATION STRATEGY  
Appendix G — Habitat Groups Used by Taxonomic Advisory Committees

Blotchside logperch	<i>Percina burtoni</i>	II
Longhead darter	<i>Percina macrocephala</i>	II
A dace	<i>Phoxinus</i> sp. 1	II
Paddlefish	<i>Polyodon spathula</i>	II
Clinch sculpin	<i>Cottus</i> sp. 4	III
Steelcolor shiner	<i>Cyprinella whipplei</i>	III
Bluebreast darter	<i>Etheostoma camurum</i>	III
Tippecanoe darter	<i>Etheostoma tippecanoe</i>	III
Wounded darter	<i>Etheostoma vulneratum</i>	III
Ohio lamprey	<i>Ichthyomyzon bdellium</i>	III
Mountain brook lamprey	<i>Ichthyomyzon greeleyi</i>	III
River redhorse	<i>Moxostoma carinatum</i>	III
Emerald shiner	<i>Notropis atherinoides</i>	III
Channel darter	<i>Percina copelandi</i>	III
Blackside dace	<i>Phoxinus cumberlandensis</i>	III
Freshwater drum	<i>Aplodinotus grunniens</i>	IV
Black sculpin	<i>Cottus baileyi</i>	IV
Streamline chub	<i>Erimystax dissimilis</i>	IV
Blotched chub	<i>Erimystax insignis</i>	IV
Rainbow darter	<i>Etheostoma caeruleum</i>	IV
Speckled darter	<i>Etheostoma stigmaeum</i>	IV
Swannanoa darter	<i>Etheostoma swannanoa</i>	IV
Banded darter	<i>Etheostoma zonale</i>	IV
Northern studfish	<i>Fundulus catenatus</i>	IV
Brook silverside	<i>Labidesthes sicculus</i>	IV
Mountain shiner	<i>Lythrurus lirus</i>	IV
Sawfin shiner	<i>Notropis</i> sp. A	IV
Mirror shiner	<i>Notropis spectrunculus</i>	IV
Mountain madtom	<i>Noturus eleutherus</i>	IV
Stonecat	<i>Noturus flavus</i>	IV
Tangerine darter	<i>Percina aurantiaca</i>	IV
Logperch	<i>Percina caprodes</i>	IV
Gilt darter	<i>Percina evides</i>	IV
Dusky darter	<i>Percina sciera</i>	IV
Stargazing minnow	<i>Phenacobius uranops</i>	IV
Bullhead minnow	<i>Pimephales vigilax</i>	IV
Sauger	<i>Stizostedion canadense</i>	IV

**Delmarva Peninsula Fishes**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Alewife	<i>Alosa pseudoharengus</i>	IV
American shad	<i>Alosa sapidissima</i>	IV
American eel	<i>Anguilla rostrata</i>	IV
Least brook lamprey	<i>Lampetra aepyptera</i>	IV

**Holston River Fishes**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Turquoise shiner	<i>Cyprinella monacha</i>	I

VIRGINIA'S COMPREHENSIVE WILDLIFE CONSERVATION STRATEGY  
Appendix G — Habitat Groups Used by Taxonomic Advisory Committees

Sharphead darter	<i>Etheostoma acuticeps</i>	I
Yellowfin madtom	<i>Noturus flavipinnis</i>	I
Tennessee dace	<i>Phoxinus tennesseensis</i>	I
Greenfin darter	<i>Etheostoma chlorobranchium</i>	II
Popeye shiner	<i>Notropis ariommus</i>	II
Blotchside logperch	<i>Percina burtoni</i>	II
Longhead darter	<i>Percina macrocephala</i>	II
Holston sculpin	<i>Cottus</i> sp. 5	III
Bluebreast darter	<i>Etheostoma camurum</i>	III
Wounded darter	<i>Etheostoma vulneratum</i>	III
Ohio lamprey	<i>Ichthyomyzon bdellium</i>	III
Mountain brook lamprey	<i>Ichthyomyzon greeleyi</i>	III
River redhorse	<i>Moxostoma carinatum</i>	III
Fatlips minnow	<i>Phenacobius crassilabrum</i>	III
Black sculpin	<i>Cottus baileyi</i>	IV
Streamline chub	<i>Erimystax dissimilis</i>	IV
Blotched chub	<i>Erimystax insignis</i>	IV
Speckled darter	<i>Etheostoma stigmaeum</i>	IV
Swannanoa darter	<i>Etheostoma swannanoa</i>	IV
Banded darter	<i>Etheostoma zonale</i>	IV
Northern studfish	<i>Fundulus catenatus</i>	IV
American brook lamprey	<i>Lampetra appendix</i>	IV
Sawfin shiner	<i>Notropis</i> sp. A	IV
Mirror shiner	<i>Notropis spectrunculus</i>	IV
Mountain madtom	<i>Noturus eleutherus</i>	IV
Stonecat	<i>Noturus flavus</i>	IV
Tangerine darter	<i>Percina aurantiaca</i>	IV
Logperch	<i>Percina caprodes</i>	IV
Gilt darter	<i>Percina evides</i>	IV
Stargazing minnow	<i>Phenacobius uranops</i>	IV
Bullhead minnow	<i>Pimephales vigilax</i>	IV
Sauger	<i>Stizostedion canadense</i>	IV

**James River Fishes**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Bridle shiner	<i>Notropis bifrenatus</i>	I
Atlantic sturgeon	<i>Acipenser oxyrhynchus</i>	II
Roughhead shiner	<i>Notropis semperasper</i>	II
Alewife	<i>Alosa pseudoharengus</i>	IV
American shad	<i>Alosa sapidissima</i>	IV
American eel	<i>Anguilla rostrata</i>	IV
Least brook lamprey	<i>Lampetra aepyptera</i>	IV
American brook lamprey	<i>Lampetra appendix</i>	IV
Ironcolor shiner	<i>Notropis chalybaeus</i>	IV

**James Drainage Swamp Fishes**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Mud sunfish	<i>Acantharcus pomotis</i>	IV

VIRGINIA'S COMPREHENSIVE WILDLIFE CONSERVATION STRATEGY  
Appendix G — Habitat Groups Used by Taxonomic Advisory Committees

Swampfish	<i>Chologaster cornuta</i>	IV
Banded sunfish	<i>Enneacanthus obesus</i>	IV

**New River Fishes**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Candy darter	<i>Etheostoma osburni</i>	II
Bluestone sculpin	<i>Cottus</i> sp. 1	III
Kanawha darter	<i>Etheostoma kanawhae</i>	III
Kanawha minnow	<i>Phenacobius teretulus</i>	III
Least brook lamprey	<i>Lampetra aepyptera</i>	IV
New River shiner	<i>Notropis scabriceps</i>	IV
Sand shiner	<i>Notropis stramineus</i>	IV
Sand shiner	<i>Notropis stramineus</i>	IV
Logperch	<i>Percina caprodes</i>	IV
Appalachia darter	<i>Percina gymnocephala</i>	IV
Sharpnose darter	<i>Percina oxyrhynchus</i>	IV

**Pee Dee River Fishes**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Thicklip chub	<i>Cyprinella labrosa</i>	IV
Lined topminnow	<i>Fundulus lineolatus</i>	IV
Highback chub	<i>Hybopsis hypsinotus</i>	IV
Brassy jumprock	<i>Moxostoma robustum</i>	IV
Redlip shiner	<i>Notropis chiliticus</i>	IV
Piedmont darter	<i>Percina crassa roanoka</i>	IV

**Piankatank River Fishes**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Bridle shiner	<i>Notropis bifrenatus</i>	I
Mud sunfish	<i>Acantharcus pomotis</i>	IV
Alewife	<i>Alosa pseudoharengus</i>	IV
Banded sunfish	<i>Enneacanthus obesus</i>	IV
Least brook lamprey	<i>Lampetra aepyptera</i>	IV
Ironcolor shiner	<i>Notropis chalybaeus</i>	IV

**Potomac River Fishes**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Scientific Name</b>
Shortnose sturgeon	<i>Acipenser brevirostrum</i>	I
Bridle shiner	<i>Notropis bifrenatus</i>	I
Atlantic sturgeon	<i>Acipenser oxyrhynchus</i>	II
Alewife	<i>Alosa pseudoharengus</i>	IV
American shad	<i>Alosa sapidissima</i>	IV
American eel	<i>Anguilla rostrata</i>	IV
Slimy sculpin	<i>Cottus cognatus</i>	IV
Rainbow darter	<i>Etheostoma caeruleum</i>	IV
Least brook lamprey	<i>Lampetra aepyptera</i>	IV
Pearl dace	<i>Margariscus margarita</i>	IV
Ironcolor shiner	<i>Notropis chalybaeus</i>	IV

VIRGINIA'S COMPREHENSIVE WILDLIFE CONSERVATION STRATEGY  
Appendix G — Habitat Groups Used by Taxonomic Advisory Committees

Logperch	<i>Percina caprodes</i>	IV
Trout-perch	<i>Percopsis omiscomaycus</i>	IV

**Rappahannock River Fishes**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Shortnose sturgeon	<i>Acipenser brevirostrum</i>	I
Bridle shiner	<i>Notropis bifrenatus</i>	I
Atlantic sturgeon	<i>Acipenser oxyrhynchus</i>	II
Mud sunfish	<i>Acantharcus pomotis</i>	IV
Alewife	<i>Alosa pseudoharengus</i>	IV
American shad	<i>Alosa sapidissima</i>	IV
American eel	<i>Anguilla rostrata</i>	IV
Least brook lamprey	<i>Lampetra aepyptera</i>	IV
American brook lamprey	<i>Lampetra appendix</i>	IV

**Roanoke River Fishes**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Roanoke logperch	<i>Percina rex</i>	I
Roanoke bass	<i>Ambloplites cavifrons</i>	II
Carolina darter	<i>Etheostoma collis</i>	II
Orangefin madtom	<i>Noturus gilberti</i>	II
Spotted margined madtom	<i>Noturus insignis</i> ssp. 1	II
Bigeye jumprock	<i>Moxostoma ariommum</i>	III
Rustyside sucker	<i>Thoburnia hamiltoni</i>	III
Snail bullhead	<i>Ameiurus brunneus</i>	IV
American eel	<i>Anguilla rostrata</i>	IV
Swampfish	<i>Chologaster cornuta</i>	IV
Riverweed darter	<i>Etheostoma podostemone</i>	IV
Speckled killifish	<i>Fundulus rathbuni</i>	IV
Roanoke hog sucker	<i>Hypentelium roanokense</i>	IV
Whitemouth shiner	<i>Notropis alborus</i>	IV
Ironcolor shiner	<i>Notropis chalybaeus</i>	IV
Redlip shiner	<i>Notropis chiliticus</i>	IV

**York River Fishes**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Bridle shiner	<i>Notropis bifrenatus</i>	I
Atlantic sturgeon	<i>Acipenser oxyrhynchus</i>	II
Mud sunfish	<i>Acantharcus pomotis</i>	IV
Alewife	<i>Alosa pseudoharengus</i>	IV
American shad	<i>Alosa sapidissima</i>	IV
American eel	<i>Anguilla rostrata</i>	IV
Banded sunfish	<i>Enneacanthus obesus</i>	IV
Least brook lamprey	<i>Lampetra aepyptera</i>	IV
American brook lamprey	<i>Lampetra appendix</i>	IV

VIRGINIA'S COMPREHENSIVE WILDLIFE CONSERVATION STRATEGY  
Appendix G — Habitat Groups Used by Taxonomic Advisory Committees

<b>Coastal Plain Aquatic Herpetofauna</b>		
<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Loggerhead turtle	<i>Caretta caretta</i>	I
Northern diamond-backed terrapin	<i>Malaclemys terrapin</i>	II
Dwarf waterdog	<i>Necturus punctatus</i>	III
Glossy crayfish snake	<i>Regina rigida</i>	III
Lesser siren	<i>Siren intermedia</i>	III
Mudsnake	<i>Farancia abacura</i>	IV
Rainbow snake	<i>Farancia erytrogramma</i>	IV
Eastern mud salamander	<i>Pseudotriton montanus</i>	IV
Greater siren	<i>Siren lacertina</i>	IV
Many-lined salamander	<i>Stereochilus marginatus</i>	IV
Yellowbellied slider	<i>Trachemys scripta scripta</i>	IV

<b>Coastal Plain Terrestrial Herpetofauna</b>		
<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Chicken turtle	<i>Deirochelys reticularia</i>	I
Mabee's salamander	<i>Ambystoma mabeei</i>	II
Tiger salamander	<i>Ambystoma tigrinum</i>	II
Oak toad	<i>Bufo quercicus</i>	II
Canebrake rattlesnake	<i>Crotalus horridus</i>	II
Barking treefrog	<i>Hyla gratiosa</i>	II
Eastern glass lizard	<i>Ophisaurus ventralis</i>	II
Spotted turtle	<i>Clemmys guttata</i>	III
Carpenter frog	<i>Rana virgatipes</i>	III
Eastern box turtle	<i>Terrapene carolina carolina</i>	III
Scarletsnake	<i>Cemophora coccinea</i>	IV
Eastern hog-nosed snake	<i>Heterodon platirhinos</i>	IV
Eastern slender glass lizard	<i>Ophisaurus attenuatus</i>	IV
New Jersey chorus frog	<i>Pseudacris feriarum kalmi</i>	IV
Striped southern chorus frog	<i>Pseudacris nigrita nigrita</i>	IV
Little grass frog	<i>Pseudacris ocularis</i>	IV
Queen snake	<i>Regina septemvittata</i>	IV
Eastern spadefoot	<i>Scaphiopus holbrooki</i>	IV

<b>Mountain Forest Herpetofauna</b>		
<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Wood turtle	<i>Clemmys insculpta</i>	I
Northern pinesnake	<i>Pituophis melanoleucus</i>	I
Shenandoah salamander	<i>Plethodon shenandoah</i>	I
Tiger salamander	<i>Ambystoma tigrinum</i>	II
Green salamander	<i>Aneides aeneus</i>	II
Southern zigzag salamander	<i>Plethodon dorsalis</i>	II
Peaks of Otter salamander	<i>Plethodon hubrichti</i>	II
Cow Knob salamander	<i>Plethodon punctatus</i>	II
Mountain chorus frog	<i>Pseudacris brachyphona</i>	II
Mountain earthsnake	<i>Virginia valeriae</i>	II
Eastern black kingsnake	<i>Lampropeltis getula nigra</i>	III

VIRGINIA'S COMPREHENSIVE WILDLIFE CONSERVATION STRATEGY  
Appendix G — Habitat Groups Used by Taxonomic Advisory Committees

Smooth green snake	<i>Liochlorophis vernalis</i>	III
Shenandoah Mountain salamander	<i>Plethodon virginia</i>	III
Jefferson salamander	<i>Ambystoma jeffersonianum</i>	IV
Timber rattlesnake	<i>Crotalus horridus</i>	IV
Blue Ridge dusky salamander	<i>Desmognathus orestes</i>	IV
Cumberland Plateau salamander	<i>Plethodon kentucki</i>	IV
Yonahlossee salamander	<i>Plethodon yonahlossee</i>	IV
Queen snake	<i>Regina septemvittata</i>	IV

**Mount Rogers Area Herpetofauna**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Weller's salamander	<i>Plethodon welleri</i>	II
Shovel-nosed salamander	<i>Desmognathus marmoratus</i>	III
Pygmy salamander	<i>Desmognathus wrighti</i>	III
Blue Ridge two-lined salamander	<i>Eurycea wilderae</i>	III
Yonahlossee salamander	<i>Plethodon yonahlossee</i>	IV

**Tennessee and New River Drainage Aquatic Herpetofauna**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Eastern hellbender	<i>Cryptobranchus alleganiensis</i>	II
Mudpuppy	<i>Necturus maculosus</i>	III
Cumberland slider	<i>Trachemys scripta troostii</i>	III
Spiny softshell	<i>Apalone spinifera</i>	IV
Northern map turtle	<i>Graptemys geographica</i>	IV
Queen snake	<i>Regina septemvittata</i>	IV
Stripe-necked musk turtle	<i>Sternotherus minor peltifer</i>	IV

**Statewide Herpetofauna**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Eastern box turtle	<i>Terrapene carolina</i>	III
Eastern hog-nosed snake	<i>Heterodon platirhinos</i>	IV
Common ribbonsnake	<i>Thamnophis sauritus</i>	IV

**Western Piedmont Upland Herpetofauna**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Wood turtle	<i>Clemmys insculpta</i>	I
Mole salamander	<i>Ambystoma talpoideum</i>	II
Eastern box turtle	<i>Terrapene carolina</i>	III
Queen snake	<i>Regina septemvittata</i>	IV
Southeastern crowned snake	<i>Tantilla coronata</i>	IV

**Barrier Island and Other Beach Birds**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Piping plover	<i>Charadrius melodus</i>	I
Wilson's plover	<i>Charadrius wilsonia</i>	I
Gull-billed tern	<i>Sterna nilotica</i>	I
Little blue heron	<i>Egretta caerulea</i>	II
American oystercatcher	<i>Haematopus palliatus</i>	II

VIRGINIA'S COMPREHENSIVE WILDLIFE CONSERVATION STRATEGY  
Appendix G — Habitat Groups Used by Taxonomic Advisory Committees

Black skimmer	<i>Rynchops niger</i>	II
Least tern	<i>Sterna antillarum</i>	II
Royal tern	<i>Sterna maxima</i>	II
Tricolored heron	<i>Egretta tricolor</i>	III
Common tern	<i>Sterna hirundo</i>	III
Dunlin	<i>Calidris alpine</i>	IV
Red knot	<i>Calidris canutus</i>	IV
Short-billed dowitcher	<i>Limnodromus griseus</i>	IV
Marbled godwit	<i>Limosa fedoa</i>	IV
Hudsonian godwit	<i>Limosa haemastica</i>	IV
Whimbrel	<i>Numenius phaeopus</i>	IV
Black-bellied plover	<i>Pluvialis squatarola</i>	IV
Roseate tern	<i>Sterna dougallii</i>	IV

**Coastal Marsh Birds**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Henslow's sparrow	<i>Ammodramus henslowii</i>	I
Black rail	<i>Laterallus jamaicensis</i>	I
Gull-billed tern	<i>Sterna nilotica</i>	I
Saltmarsh sharp-tailed sparrow	<i>Ammodramus caudacutus</i>	II
American black duck	<i>Anas rubripes</i>	II
American bittern	<i>Botaurus lentiginosus</i>	II
Bald eagle	<i>Haliaeetus leucocephalus</i>	II
King rail	<i>Rallus elegans</i>	II
Nelson's sharp-tailed sparrow	<i>Ammodramus nelsoni</i>	III
Northern harrier	<i>Circus cyaneus</i>	III
Sedge wren	<i>Cistothorus platensis</i>	III
Least bittern	<i>Ixobrychus exilis</i>	III
Yellow-crowned night-heron	<i>Nyctanassa violacea</i>	III
Black-crowned night-heron	<i>Nycticorax nycticorax</i>	III
Glossy ibis	<i>Plegadis falcinellus</i>	III
Common tern	<i>Sterna hirundo</i>	III
Seaside sparrow	<i>Ammodramus maritimus</i>	IV
Marsh wren	<i>Cistothorus palustris</i>	IV
Yellow rail	<i>Coturnicops noveboracensis</i>	IV
Virginia rail	<i>Rallus limicola</i>	IV
Clapper rail	<i>Rallus longirostris</i>	IV
Forster's tern	<i>Sterna forsteri</i>	IV

**Early Successional Birds**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Loggerhead shrike	<i>Lanius ludovicianus</i>	I
Appalachian Bewick's wren	<i>Thryomanes bewickii</i>	I
Golden-winged warbler	<i>Vermivora chrysoptera</i>	I
Barn owl	<i>Tyto alba pratincola</i>	III
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	IV
Northern bobwhite	<i>Colinus virginianus</i>	IV
Prairie warbler	<i>Dendroica discolor</i>	IV



VIRGINIA'S COMPREHENSIVE WILDLIFE CONSERVATION STRATEGY  
Appendix G — Habitat Groups Used by Taxonomic Advisory Committees

Kirtland's warbler	<i>Dendroica kirtlandii</i>	IV
Yellow warbler	<i>Dendroica petechia</i>	IV
Gray catbird	<i>Dumetella carolinensis</i>	IV
Willow flycatcher	<i>Empidonax traillii</i>	IV
Yellow-breasted chat	<i>Icteria virens</i>	IV
Eastern towhee	<i>Pipilo erythrophthalmus</i>	IV
American woodcock	<i>Scolopax minor</i>	IV
Field sparrow	<i>Spizella pusilla</i>	IV
Brown thrasher	<i>Toxostoma rufum</i>	IV
Eastern kingbird	<i>Tyrannus tyrannus</i>	IV
Blue-winged warbler	<i>Vermivora pinus</i>	IV

**Grassland Birds**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Henslow's sparrow	<i>Ammodramus henslowii</i>	I
Upland sandpiper	<i>Bartramia longicauda</i>	I
Northern harrier	<i>Circus cyaneus</i>	III
Grasshopper sparrow	<i>Ammodramus savannarum</i>	IV
Northern bobwhite	<i>Colinus virginianus</i>	IV
Eastern meadowlark	<i>Sturnella magna</i>	IV

**High Elevation Coniferous Forest Birds**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Red crossbill	<i>Loxia curvirostra</i>	I
Northern saw-whet owl	<i>Aegolius acadicus</i>	II
Winter wren	<i>Troglodytes troglodytes</i>	II
Brown creeper	<i>Certhia americana</i>	IV

**High Elevation Deciduous Forest Birds**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Appalachian yellow-bellied sapsucker	<i>Sphyrapicus varius appalachiensis</i>	I
Cerulean warbler	<i>Dendroica cerulea</i>	II
Winter wren	<i>Troglodytes troglodytes</i>	II
Whip-poor-will	<i>Caprimulgus vociferus</i>	IV
Brown creeper	<i>Certhia americana</i>	IV
Chimney swift	<i>Chaetura pelagica</i>	IV
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	IV
Eastern wood-pewee	<i>Contopus virens</i>	IV
Worm-eating warbler	<i>Helmitheros vermivorus</i>	IV
Wood thrush	<i>Hylocichla mustelina</i>	IV
Black-and-white warbler	<i>Mniotilta varia</i>	IV
Rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>	IV
Scarlet tanager	<i>Piranga olivacea</i>	IV
Ovenbird	<i>Seiurus aurocapillus</i>	IV
Louisiana waterthrush	<i>Seiurus motacilla</i>	IV
Yellow-throated vireo	<i>Vireo flavifrons</i>	IV
Canada warbler	<i>Wilsonia canadensis</i>	IV

VIRGINIA'S COMPREHENSIVE WILDLIFE CONSERVATION STRATEGY  
Appendix G — Habitat Groups Used by Taxonomic Advisory Committees

<b>Mature Deciduous Forest Birds</b>		
<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Cerulean warbler	<i>Dendroica cerulea</i>	II
Bald eagle	<i>Haliaeetus leucocephalus</i>	II
Whip-poor-will	<i>Caprimulgus vociferus</i>	IV
Chimney swift	<i>Chaetura pelagica</i>	IV
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	IV
Eastern wood-pewee	<i>Contopus virens</i>	IV
Worm-eating warbler	<i>Helmitheros vermivorus</i>	IV
Wood thrush	<i>Hylocichla mustelina</i>	IV
Black-and-white warbler	<i>Mniotilta varia</i>	IV
Rose-breasted grosbeak	<i>Pheuctitus ludovicianus</i>	IV
Scarlet tanager	<i>Piranga olivacea</i>	IV
Ovenbird	<i>Seiurus aurocapillus</i>	IV
Louisiana waterthrush	<i>Seiurus motacilla</i>	IV
Yellow-throated vireo	<i>Vireo flavifrons</i>	IV
Canada warbler	<i>Wilsonia canadensis</i>	IV

<b>Pine Savannah Birds</b>		
<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Bachman's sparrow	<i>Aimophila aestivalis</i>	I
Red-cockaded woodpecker	<i>Picoides borealis</i>	I
Chuck-will's-widow	<i>Caprimulgus carolinensis</i>	IV
Northern bobwhite	<i>Colinus virginianus</i>	IV
Eastern wood-pewee	<i>Contopus virens</i>	IV
Prairie warbler	<i>Dendroica discolor</i>	IV
Brown-headed nuthatch	<i>Sitta pusilla</i>	IV

<b>Wintering Waterfowl</b>		
<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
American black duck	<i>Anas rubripes</i>	II
Redhead	<i>Aythya americana</i>	III
Brant	<i>Branta bernicla</i>	III
Greater scaup	<i>Aythya marila</i>	IV
Horned grebe	<i>Podiceps auritus</i>	IV

<b>Wooded Wetland Birds</b>		
<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Black-throated green warbler	<i>Dendroica virens waynei</i>	I
Bald eagle	<i>Haliaeetus leucocephalus</i>	II
Swainson's warbler	<i>Limnothlypis swainsonii</i>	II
Green heron	<i>Butorides striatus</i>	IV
Chimney swift	<i>Chaetura pelagica</i>	IV
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	IV
Eastern wood-pewee	<i>Contopus virens</i>	IV
Rusty blackbird	<i>Euphagus carolinus</i>	IV
Kentucky warbler	<i>Oporornis formosus</i>	IV
Northern parula	<i>Parula americana</i>	IV

VIRGINIA'S COMPREHENSIVE WILDLIFE CONSERVATION STRATEGY  
Appendix G — Habitat Groups Used by Taxonomic Advisory Committees

Prothonotary warbler	<i>Protonotaria citrea</i>	IV
Yellow-throated vireo	<i>Vireo flavifrons</i>	IV

<b>Clinch River Mussels</b>		
<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Birdwing pearlymussel	<i>Conradilla caelata</i>	I
Fanshell	<i>Cyprogenia stegaria</i>	I
Dromedary pearlymussel	<i>Dromus dromas</i>	I
Cumberland combshell	<i>Epioblasma brevidens</i>	I
Oyster mussel	<i>Epioblasma capsaeformis</i>	I
Tan riffleshell	<i>Epioblasma florentina walkeri</i>	I
Green-blossom pearlymussel	<i>Epioblasma torulosa gubernaculum</i>	I
Shiny pigtoe	<i>Fusconaia cor</i>	I
Fine-rayed pigtoe	<i>Fusconaia cuneolus</i>	I
Cracking pearlymussel	<i>Hemistena lata</i>	I
Pink mucket	<i>Lampsilis abrupta</i>	I
Little-winged pearlymussel	<i>Pegias fabula</i>	I
Rough pigtoe	<i>Pleurobema plenum</i>	I
Rough rabbits foot	<i>Quadrula cylindrica strigillata</i>	I
Appalachian monkeyface	<i>Quadrula sparsa</i>	I
Purple bean	<i>Villosa perpurpurea</i>	I
Cumberland bean	<i>Villosa trabalis</i>	I
Slippershell	<i>Alasmidonta viridis</i>	II
Spectacle case	<i>Cumberlandia monodonta</i>	II
Snuffbox	<i>Epioblasma triquetra</i>	II
Tennessee pigtoe	<i>Fusconaia barnesiana</i>	II
Tennessee heelsplitter	<i>Lasmigona holstonia</i>	II
Slabside pearlymussel	<i>Lexingtonia dolabelloides</i>	II
Sheepnose	<i>Plethobasus cyphus</i>	II
Pyramid pigtoe	<i>Pleurobema rubrum</i>	II
Fluted kidneyshell	<i>Ptychobranhus subtentum</i>	II
Purple liliput	<i>Toxolasma lividus</i>	II
Rayed bean	<i>Villosa fabalis</i>	II
Elktoe	<i>Alasmidonta marginata</i>	III
Elktoe	<i>Alasmidonta marginata</i>	III
Longsolid	<i>Fusconaia subrotunda</i>	III
Spiny riversnail	<i>Io fluvialis</i>	III
Black sandshell	<i>Ligumia recta</i>	III
Ohio pigtoe	<i>Pleurobema cordatum</i>	III
Tennessee clubshell	<i>Pleurobema oviforme</i>	III
Elephant ear	<i>Elliptio crassidens</i>	IV
Pocketbook mussel	<i>Lampsilis ovata</i>	IV
Fragile papershell	<i>Leptodea fragilis</i>	IV
Cumberland moccasin	<i>Medionidus conradicus</i>	IV
Pimple back	<i>Quadrula pustulosa pustulosa</i>	IV
Deerto	<i>Truncilla truncata</i>	IV
Mountain creekshell mussel	<i>Villosa vanuxemensis</i>	IV

VIRGINIA'S COMPREHENSIVE WILDLIFE CONSERVATION STRATEGY  
Appendix G — Habitat Groups Used by Taxonomic Advisory Committees

<b>Holston River Mussels</b>		
<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Tan riffleshell	<i>Epioblasma florentina walkeri</i>	I
Shiny pigtoe	<i>Fusconaia cor</i>	I
Fine-rayed pigtoe	<i>Fusconaia cuneolus</i>	I
Little-winged pearl mussel	<i>Pegias fabula</i>	I
Rough rabbits foot	<i>Quadrula cylindrica strigillata</i>	I
Slippershell	<i>Alasmidonta viridis</i>	II
Tennessee pigtoe	<i>Fusconaia barnesiana</i>	II
Tennessee heelsplitter	<i>Lasmigona holstonia</i>	II
Slabside pearl mussel	<i>Lexingtonia dolabelloides</i>	II
Fluted kidneyshell	<i>Ptychobranthus subtentum</i>	II
Purple liliput	<i>Toxolasma lividus</i>	II
Elktoe	<i>Alasmidonta marginata</i>	III
Longsolid	<i>Fusconaia subrotunda</i>	III
Spiny riversnail	<i>Io fluviialis</i>	III
Black sandshell	<i>Ligumia recta</i>	III
Tennessee clubshell	<i>Pleurobema oviforme</i>	III
Pocketbook mussel	<i>Lampsilis ovata</i>	IV
Cumberland moccasin	<i>Medionidus conradicus</i>	IV
Mountain creekshell mussel	<i>Villosa vanuxemensis</i>	IV

<b>New River Mussels</b>		
<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Green floater	<i>Lasmigona subviridis</i>	II
Elktoe	<i>Alasmidonta marginata</i>	III
Pistolgrip	<i>Tritogonia verrucosa</i>	IV

<b>Powell River Mussels</b>		
<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Birdwing pearl mussel	<i>Conradilla caelata</i>	I
Dromedary pearl mussel	<i>Dromus dromas</i>	I
Cumberland combshell	<i>Epioblasma brevidens</i>	I
Oyster mussel	<i>Epioblasma capsaeformis</i>	I
Shiny pigtoe	<i>Fusconaia cor</i>	I
Fine-rayed pigtoe	<i>Fusconaia cuneolus</i>	I
Cracking pearl mussel	<i>Hemistena lata</i>	I
Rough rabbits foot	<i>Quadrula cylindrica strigillata</i>	I
Cumberland monkeyface	<i>Quadrula intermedia</i>	I
Appalachian monkeyface	<i>Quadrula sparsa</i>	I
Snuffbox	<i>Epioblasma triquetra</i>	II
Tennessee pigtoe	<i>Fusconaia barnesiana</i>	II
Tennessee heelsplitter	<i>Lasmigona holstonia</i>	II
Slabside pearl mussel	<i>Lexingtonia dolabelloides</i>	II
Sheepnose	<i>Plethobasus cyphus</i>	II
Fluted kidneyshell	<i>Ptychobranthus subtentum</i>	II
Elktoe	<i>Alasmidonta marginata</i>	III
Longsolid	<i>Fusconaia subrotunda</i>	III

VIRGINIA'S COMPREHENSIVE WILDLIFE CONSERVATION STRATEGY  
Appendix G — Habitat Groups Used by Taxonomic Advisory Committees

Spiny riversnail	<i>Io fluviialis</i>	III
Black sandshell	<i>Ligumia recta</i>	III
Tennessee clubshell	<i>Pleurobema oviforme</i>	III
Elephant ear	<i>Elliptio crassidens</i>	IV
Pocketbook mussel	<i>Lampsilis ovata</i>	IV
Fragile papershell	<i>Leptodea fragilis</i>	IV
Cumberland moccasin	<i>Medionidus conradicus</i>	IV
Pimple back	<i>Quadrula pustulosa</i>	IV
Deertoe	<i>Truncilla truncata</i>	IV
Mountain creekshell mussel	<i>Villosa vanuxemensis</i>	IV

**Southeastern Coastal Plain and Lower Piedmont Mussels**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Tier</b>
Roanoke slabshell	<i>Elliptio roanokensis</i>	II
Yellow lampmussel	<i>Lampsilis cariosa</i>	III
Alewife floater	<i>Anodonta implicata</i>	IV
Carolina slabshell mussel	<i>Elliptio congaraea</i>	IV
Tidewater mucket	<i>Leptodea ochracea</i>	IV
Eastern pondmussel	<i>Ligumia nasuta</i>	IV
Florida pondhorn	<i>Unio merus caroliniana</i>	IV