

ENDANGERED, THREATENED, AND CANDIDATE SPECIES AND FEDERAL SPECIES OF CONCERN, BY COUNTY, IN NORTH CAROLINA

This list was adapted from the North Carolina Natural Heritage Program's County Species List. It is a listing of North Carolina's federally listed and proposed endangered, threatened, and candidate species and Federal species of concern (for a complete list of rare species in the state, please contact the North Carolina Natural Heritage Program). The information in this list is compiled from a variety of sources, including field surveys, museums and herbaria, literature, and personal communications. The North Carolina Natural Heritage Program's database is dynamic, with new records being added and old records being revised as new information is received. Please note that this list cannot be considered a definitive record of listed species and Federal species of concern, and it should not be considered a substitute for field surveys.

Critical habitat: Critical habitat is noted, with a description, for the counties where it is designated or proposed.

Aquatic species: Fishes and aquatic invertebrates are noted for counties where they are known to occur. However, projects may have effects on downstream aquatic systems in adjacent counties.

Sea turtles: Sea turtles occur in coastal waters and nest along beaches. This list includes sea turtles in the counties where they are known to nest. The U.S. Fish and Wildlife Service has jurisdiction over sea turtle issues on terrestrial systems; the National Marine Fisheries Service has authority over sea turtles in coastal waters.

Manatees: Manatees occur throughout North Carolina's coastal waters; this list includes manatees in counties where there are known concentrations. The U.S. Fish and Wildlife Service has consultation and recovery responsibility for manatees.

COMMON NAME	SCIENTIFIC NAME	STATUS
ALAMANCE COUNTY		
Vertebrates		
Carolina darter	<i>Etheostoma collis lepidinum</i>	FSC
"Carolina" redhorse	<i>Moxostoma</i> sp. 2	FSC
Invertebrates		
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC
Carolina creekshell	<i>Villosa vaughaniana</i>	FSC
Vascular Plants		
Sweet pinesap	<i>Monotropa odorata</i>	FSC*
Buttercup phacelia	<i>Phacelia covillei</i>	FSC
ALEXANDER COUNTY		
Vertebrates		
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC*
Vascular Plants		
Torrey's mountain-mint	<i>Pycnanthemum torrei</i>	FSC*

COMMON NAME	SCIENTIFIC NAME	STATUS
Nonvascular Plants Keever's bristle-moss	<i>Orthotrichum keeverae</i>	FSC
ALLEGHANY COUNTY		
Vertebrates		
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Hellbender	<i>Cryptobranchus alleganiensis</i>	FSC
Eastern small-footed myotis	<i>Myotis (=subulatus) leibii</i>	FSC
Kanawha minnow	<i>Phenacobius teretulus</i>	FSC
Invertebrates		
Grayson crayfish ostracod	<i>Ascetocythere cosmeta</i>	FSC
Pygmy snaketail	<i>Ophiogomphus howei</i>	FSC
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC
Regal fritillary butterfly	<i>Speyeria idalia</i>	FSC
Vascular Plants		
"Fen" sedge	<i>Carex</i> sp. 2	FSC
Cuthbert's turtlehead	<i>Chelone cuthbertii</i>	FSC
Tall larkspur	<i>Delphinium exaltatum</i>	FSC*
Gray's lily	<i>Lilium grayi</i>	FSC
Sweet pinesap	<i>Monotropa odorata</i>	FSC*
Carolina saxifrage	<i>Saxifraga caroliniana</i>	FSC
Nonvascular Plants Keever's bristle-moss	<i>Orthotrichum keeverae</i>	FSC
ANSON COUNTY		
Vertebrates		
Shortnose sturgeon	<i>Acipenser brevirostrum</i>	Endangered
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
"Carolina" redhorse	<i>Moxostoma</i> sp. 2	FSC
Robust redhorse	<i>Moxostoma robustum</i>	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Invertebrates		
Carolina heelsplitter	<i>Lasmigona decorata</i>	Endangered
Vascular Plants		
Schweinitz's sunflower	<i>Helianthus schweinitzii</i>	Endangered
Bog spicebush	<i>Lindera subcoriacea</i>	FSC
ASHE COUNTY		
Vertebrates		
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Kanawha minnow	<i>Phenacobius teretulus</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Appalachian cottontail	<i>Sylvilagus obscurus</i>	FSC
Appalachian Bewick's wren	<i>Thryomanes bewickii altus</i>	FSC
Invertebrates		
Green floater	<i>Lasmigona subviridis</i>	FSC
Pygmy snaketail	<i>Ophiogomphus howei</i>	FSC
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC*
Regal fritillary butterfly	<i>Speyeria idala</i>	FSC*
Gammon's stenelmis riffle beetle	<i>Stenelmis gammoni</i>	FSC
Vascular Plants		
Cuthbert's turtlehead	<i>Chelone cuthbertii</i>	FSC
Tall larkspur	<i>Delphinium exaltatum</i>	FSC
Glade spurge	<i>Euphorbia purpurea</i>	FSC
Spreading avens	<i>Geum radiatum</i>	Endangered
Appalachian oak fern	<i>Gymnocarpium appalachianum</i>	FSC
Swamp pink	<i>Helonias bullata</i>	Threatened
Roan Mountain bluet	<i>Houstonia montana</i>	Endangered
Butternut	<i>Juglans cinerea</i>	FSC
Heller's blazing star	<i>Liatris helleri</i>	Threatened
Gray's lily	<i>Lilium grayi</i>	FSC
Bog bluegrass	<i>Poa paludigena</i>	FSC
Torrey's mountain-mint	<i>Pycnanthemum torrei</i>	FSC*
Carolina saxifrage	<i>Saxifraga caroliniana</i>	FSC
Virginia spiraea	<i>Spiraea virginiana</i>	Threatened
Nonvascular Plants		
Bluff Mountain reindeer lichen	<i>Cladonia psoromica</i>	FSC
Rock gnome lichen	<i>Gymnoderma lineare</i>	Endangered
AVERY COUNTY		
Critical Habitat Designation: Spruce-fir moss spider, <i>Microhexura montivaga</i> - Critical habitat designated (see the July 6, 2001, <i>Federal Register</i>, 66:35547-35566).		
Vertebrates		
Southern Appalachian saw-whet owl	<i>Aegolius acadicus</i>	FSC
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Virginia big-eared bat	<i>Corynorhinus townsendii virginianus</i>	Endangered
Hellbender	<i>Cryptobranchus alleganiensis</i>	FSC
Blotched chub	<i>Erimystax insignis</i>	FSC
Carolina northern flying squirrel	<i>Glaucomys sabrinus coloratus</i>	Endangered
Southern Appalachian red crossbill	<i>Loxia curvirostra</i>	FSC
Southern rock vole	<i>Microtus chrotorrhinus carolinensis</i>	FSC
Eastern small-footed bat	<i>Myotis leibii</i>	FSC
Alleghany woodrat	<i>Neotoma magister</i>	FSC
Southern Appalachian black-capped chickadee	<i>Poecile atricapillus practicus</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Southern water shrew	<i>Sorex palustris punctulatus</i>	FSC
Southern Appalachian yellow-bellied sapsucker	<i>Sphyrapicus varius appalaciensis</i>	FSC
Appalachian cottontail	<i>Sylvilagus obscurus</i>	FSC
Appalachian Bewick's wren	<i>Thryomanes bewickii altus</i>	FSC
Invertebrates		
Grayson crayfish ostracod	<i>Ascetocythere cosmeta</i>	FSC
Spruce-fir moss spider	<i>Microhexura montivaga</i>	Endangered
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC
Regal fritillary butterfly	<i>Speyeria idalia</i>	FSC
Vascular Plants		
Fraser fir	<i>Abies fraseri</i>	FSC
Mountain bittercress	<i>Cardamine clematitis</i>	FSC
Cuthbert's turtlehead	<i>Chelone cuthbertii</i>	FSC
Tall larkspur	<i>Delphinium exaltatum</i>	FSC*
Bent avens	<i>Geum geniculatum</i>	FSC
Spreading avens	<i>Geum radiatum</i>	Endangered
Roan Mountain bluet	<i>Houstonia montana</i>	Endangered
Butternut	<i>Juglans cinerea</i>	FSC
Heller's blazing star	<i>Liatris helleri</i>	Threatened
Gray's lily	<i>Lilium grayi</i>	FSC
Bog bluegrass	<i>Poa paludigena</i>	FSC
Carolina saxifrage	<i>Saxifraga caroliniana</i>	FSC
Blue Ridge goldenrod	<i>Solidago spithamea</i>	Threatened
Nonvascular Plants		
Rock gnome lichen	<i>Gymnoderma lineare</i>	Endangered
A liverwort	<i>Plagiochila sullivantii</i> var. <i>sullivantii</i>	FSC
A liverwort	<i>Plagiochila virginica</i> var. <i>caroliniana</i>	FSC
A liverwort	<i>Sphenolobopsis pearsonii</i>	FSC
BEAUFORT COUNTY		
Vertebrates		
Eastern Henslow's sparrow	<i>Ammodramus henslowii susurrans</i>	FSC
Red wolf	<i>Canis rufus</i>	EXP
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Kemp's ridley sea turtle	<i>Lepidochelys kempii</i>	Endangered
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Carolina gopher frog	<i>Rana capito capito</i>	FSC*
Manatee	<i>Trichechus manatus</i>	Endangered
Vascular Plants		
Sensitive jointvetch	<i>Aeschynomene virginica</i>	Threatened
Venus flytrap	<i>Dionaea muscipula</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Rough-leaved loosestrife Carolina asphodel	<i>Lysimachia asperulaefolia</i> <i>Tofieldia glabra</i>	Endangered FSC*
BERTIE COUNTY Vertebrates		
Eastern Henslow's sparrow Rafinesque's big-eared bat Cerulean warbler Red-cockaded woodpecker	<i>Ammodramus henslowii susurrans</i> <i>Corynorhinus rafinesquii</i> <i>Dendroica cerulea</i> <i>Picoides borealis</i>	FSC FSC* FSC Endangered
Invertebrates		
Chowanoke crayfish	<i>Orconectes virginianus</i>	FSC
BLADEN COUNTY Vertebrates		
Shortnose sturgeon Bachman's sparrow American alligator Rafinesque's big-eared bat Southern hognose snake "Broadtail" madtom Mimic glass lizard Red-cockaded woodpecker Carolina gopher frog	<i>Acipenser brevirostrum</i> <i>Aimophila aestivalis</i> <i>Alligator mississippiensis</i> <i>Corynorhinus rafinesquii</i> <i>Heterodon simus</i> <i>Noturus</i> sp. 1 <i>Ophisaurus mimicus</i> <i>Picoides borealis</i> <i>Rana capito capito</i>	Endangered FSC T(S/A) FSC FSC* FSC FSC Endangered FSC
Invertebrates		
Atlantic pigtoe Venus flytrap cutworm moth Yellow lampmussel Belle's sanddragon (=variegated clubtail dragonfly)	<i>Fusconaia masoni</i> <i>Hemipachnobia subporphyrea subporphyrea</i> <i>Lampsilis cariosa</i> <i>Progomphus bellei</i>	FSC FSC FSC FSC
Vascular Plants		
Savanna indigo-bush Carolina spleenwort Sandhills milkvetch Venus flytrap Southern spicebush Pondspice Boykin's lobelia Rough-leaved loosestrife Carolina bogmint Pineland plantain Spiked medusa (=Eulophia) Awned meadowbeauty American chaffseed Spring-flowering goldenrod Carolina asphodel	<i>Amorpha georgiana</i> var. <i>confusa</i> <i>Asplenium heteroresiliens</i> <i>Astragalus michauxii</i> <i>Dionaea muscipula</i> <i>Lindera melissifolia</i> <i>Litsea aestivalis</i> <i>Lobelia boykinii</i> <i>Lysimachia asperulaefolia</i> <i>Macbridea caroliniana</i> <i>Plantago sparsiflora</i> <i>Pteroglossaspis ecristata</i> <i>Rhexia aristosa</i> <i>Schwalbea americana</i> <i>Solidago verna</i> <i>Tofieldia glabra</i>	FSC FSC FSC FSC Endangered FSC FSC Endangered FSC FSC FSC FSC FSC FSC FSC FSC FSC FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
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BRUNSWICK COUNTY

Critical Habitat Designation: Piping plover, *Charadrius melanotos* - See the July 10, 2001, *Federal Register*, 66:36038-36136, for a description of the primary constituent elements essential for the conservation of wintering piping plovers within the designated units. This document also contains a map and a description of each designated unit.

Vertebrates

Shortnose sturgeon	<i>Acipenser brevirostrum</i>	Endangered
Bachman's sparrow	<i>Aimophila aestivalis</i>	FSC
American alligator	<i>Alligator mississippiensis</i>	T(S/A)
Eastern Henslow's sparrow	<i>Ammodramus henslowii susurrans</i>	FSC
Loggerhead sea turtle	<i>Caretta caretta</i>	Threatened
Piping plover	<i>Charadrius melanotos</i>	Threatened
Green sea turtle	<i>Chelonia mydas</i>	Threatened
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC
Leatherback sea turtle	<i>Dermochelys coriacea</i>	Endangered
Carolina pygmy sunfish	<i>Elassoma boehlkei</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Southern hognose snake	<i>Heterodon simus</i>	FSC*
Kemp's ridley sea turtle	<i>Lepidochelys kempii</i>	Endangered
Wood stork	<i>Mycteria americana</i>	Endangered
"Broadtail" madtom	<i>Noturus sp. 1</i>	FSC
Mimic glass lizard	<i>Ophisaurus mimicus</i>	FSC
Eastern painted bunting	<i>Passerina ciris ciris</i>	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Northern pine snake	<i>Pituophis melanoleucus melanoleucus</i>	FSC*
Eastern cougar	<i>Puma concolor couguar</i>	Endangered*
Carolina gopher frog	<i>Rana capito capito</i>	FSC
Manatee	<i>Trichechus manatus</i>	Endangered

Invertebrates

Buchholz's dart moth	<i>Agrotis buchholzi</i>	FSC
Arogos skipper	<i>Atrytone arogos arogos</i>	FSC***
Waccamaw spike	<i>Elliptio waccamawensis</i>	FSC
Greenfield ramshorn	<i>Helisoma eucosmum</i>	FSC
Venus flytrap cutworm moth	<i>Hemipachnobia subporphyrea subporphyrea</i>	FSC
Magnificent ramshorn	<i>Planorbella magnifica</i>	FSC
Rare skipper	<i>Problema bulenta</i>	FSC
Carter's noctuid moth	<i>Spartiniphaga carterae</i>	FSC
Cape Fear threetooth	<i>Triodopsis soelneri</i>	FSC

Vascular Plants

"Savanna" onion	<i>Allium</i> sp. 1	FSC
Seabeach amaranth	<i>Amaranthus pumilus</i>	Threatened
Savanna indigo-bush	<i>Amorpha georgiana</i> var. <i>confusa</i>	FSC
Chapman's three-awn	<i>Aristida simpliciflora</i>	FSC
Honeycomb head	<i>Balduina atropurpurea</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Venus flytrap	<i>Dionaea muscipula</i>	FSC
Dwarf burhead	<i>Echinodorus parvulus</i>	FSC
Harper's fimbry	<i>Fimbristylis perpusilla</i>	FSC
A quillwort	<i>Isoetes microvela</i>	FSC
Pondspice	<i>Litsea aestivalis</i>	FSC
Long beach seedbox	<i>Ludwigia brevipes</i>	FSC
Rough-leaved loosestrife	<i>Lysimachia asperulaefolia</i>	Endangered
Carolina bogmint	<i>Macbridea caroliniana</i>	FSC
Loose watermilfoil	<i>Myriophyllum laxum</i>	FSC
Pineland plantain	<i>Plantago sparsiflora</i>	FSC
"Carolina" bishopweed	<i>Ptilimnium</i> sp. 1	FSC
Awned meadow-beauty	<i>Rhexia aristosa</i>	FSC
Swamp forest beaksedge	<i>Rhynchospora decurrens</i>	FSC*
Coastal beaksedge	<i>Rhynchospora pleiantha</i>	FSC
Thorne's beaksedge	<i>Rhynchospora thornei</i>	FSC
Tough bumelia	<i>Sideroxylon tenax</i>	FSC
Carolina goldenrod	<i>Solidago pulchra</i>	FSC
Spring-flowering goldenrod	<i>Solidago verna</i>	FSC
Coastal goldenrod	<i>Solidago villosicarpa</i>	FSC*
Wireleaf dropseed	<i>Sporobolus teretifolius sensu stricto</i>	FSC
Cooley's meadowrue	<i>Thalictrum cooleyi</i>	Endangered
Carolina asphodel	<i>Tofieldia glabra</i>	FSC
"Dune bluecurls"	<i>Trichostema</i> sp. 1	FSC
"Carolina" atamasco lily	<i>Zephyranthes</i> sp. 1	FSC
Nonvascular Plants		
Savanna campylopus	<i>Campylopus caroliniae</i>	FSC*
BUNCOMBE COUNTY		
Vertebrates		
Southern Appalachian saw-whet owl	<i>Aegolius acadicus</i>	FSC
Bachman's sparrow	<i>Aimophila aestivalis</i>	FSC*
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC*
Hellbender	<i>Cryptobranchus alleganiensis</i>	FSC
Cerulean warbler	<i>Dendroica cerulea</i>	FSC
Blotched chub	<i>Erimystax insignis</i>	FSC
Carolina northern flying squirrel	<i>Glaucomys sabrinus coloratus</i>	Endangered
Spotfin chub	<i>Erimonax monachus</i>	Threatened*
Southern Appalachian red crossbill	<i>Loxia curvirostra</i>	FSC
Gray bat	<i>Myotis grisescens</i>	Endangered***
Eastern small-footed myotis	<i>Myotis leibii</i>	FSC
Southern Appalachian woodrat	<i>Neotoma floridana haematoreia</i>	FSC
Alleghany woodrat	<i>Neotoma magister</i>	FSC
Southern Appalachian black-capped chickadee	<i>Poecile atricapillus practicus</i>	FSC
Longhead darter	<i>Percina macrocephala</i>	FSC*
Paddlefish	<i>Polyodon spathula</i>	FSC*

COMMON NAME	SCIENTIFIC NAME	STATUS
Eastern cougar	<i>Puma concolor couguar</i>	Endangered*
Southern water shrew	<i>Sorex palustris punctulatus</i>	FSC
Southern Appalachian yellow-bellied sapsucker	<i>Sphyrapicus varius appalaciensis</i>	FSC
Appalachian Bewick's wren	<i>Thryomanes bewickii altus</i>	FSC*
Invertebrates		
Appalachian elktoe	<i>Alasmidonta raveneliana</i>	Endangered
French Broad crayfish	<i>Cambarus reburrus</i>	FSC
Oyster mussel	<i>Epioblasma capsaeformis</i>	Endangered
Tawny crescent butterfly	<i>Phycoides batesii</i>	FSC*
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC*
Vascular Plants		
Fraser fir	<i>Abies fraseri</i>	FSC
Piratebush	<i>Buckleya distichophylla</i>	FSC
Cain's reedgrass	<i>Calamagrostis cainii</i>	FSC
Glade spurge	<i>Euphorbia purpurea</i>	FSC
Spreading avens	<i>Geum radiatum</i>	Endangered
Mountain heartleaf	<i>Hexastylis contracta</i>	FSC
French Broad heartleaf	<i>Hexastylis rhombiformis</i>	FSC
Butternut	<i>Juglans cinerea</i>	FSC
Gray's lily	<i>Lilium grayi</i>	FSC
Fraser's loosestrife	<i>Lysimachia fraseri</i>	FSC*
Sweet pinesap	<i>Monotropsis odorata</i>	FSC
Pinnate-lobed black-eyed susan	<i>Rudbeckia triloba</i> var. <i>pinnatoloba</i>	FSC
Bunched arrowhead	<i>Sagittaria fasciculata</i>	Endangered*
Mountain sweet pitcher plant	<i>Sarracenia jonesii</i>	Endangered*
Carolina saxifrage	<i>Saxifraga caroliniana</i>	FSC
Divided-leaf ragwort	<i>Senecio millefolium</i>	FSC
Mountain catchfly	<i>Silene ovata</i>	FSC
Virginia spiraea	<i>Spiraea virginiana</i>	Threatened
Nonvascular Plants		
Rock gnome lichen	<i>Gymnoderma lineare</i>	Endangered

BURKE COUNTY

Critical Habitat Designation: **Mountain golden heather, *Hudsonia montana*** - The area bounded by the following: on the west by the 2200' contour; on the east by the Linville Gorge Wilderness Boundary north from the intersection of the 2200' contour and the Shortoff Mountain Trail to where it intersects the 3400' contour at "The Chimneys"--then follow the 3400' contour north until it reintersects the Wilderness Boundary--then follow the Wilderness Boundary again northward until it intersects the 3200' contour extending west from its intersection with the Wilderness Boundary until it begins to turn south--at this point the Boundary extends due east until it intersects the 2200' contour.

Vertebrates

Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Southern Appalachian woodrat	<i>Neotoma floridana haematoreia</i>	FSC
Alleghany woodrat	<i>Neotoma magister</i>	FSC
Invertebrates		
Brook floater	<i>Alasmidonta varicosa</i>	FSC
Edmund's snaketail dragonfly	<i>Ophiogomphus edmundo</i>	FSC*
Pygmy snaketail dragonfly	<i>Ophiogomphus howei</i>	FSC
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC
Vascular Plants		
Cuthbert's turtlehead	<i>Chelone cuthbertii</i>	FSC
Spreading avens	<i>Geum radiatum</i>	Endangered
Dwarf-flowered heartleaf	<i>Hexastylis naniflora</i>	Threatened
Mountain golden heather	<i>Hudsonia montana</i>	Threatened
Small whorled pogonia	<i>Isotria medeoloides</i>	Threatened
Butternut	<i>Juglans cinerea</i>	FSC
Heller's blazing star	<i>Liatris helleri</i>	Threatened
Sweet pinesap	<i>Monotropsis odorata</i>	FSC
Carolina saxifrage	<i>Saxifraga caroliniana</i>	FSC
Nonvascular Plants		
A liverwort	<i>Cephalozziella obtusilobula</i>	FSC*
A liverwort	<i>Plagiochila sullivantii</i> var. <i>spinigera</i>	FSC
A liverwort	<i>Plagiochila sullivantii</i> var. <i>sullivantii</i>	FSC
A liverwort	<i>Porella wataugensis</i>	FSC*
CABARRUS COUNTY		
Vertebrates		
Carolina darter	<i>Etheostoma collis collis</i>	FSC
Invertebrates		
Pee Dee crayfish ostracod	<i>Dactylocythere peeedensis</i>	FSC*
Carolina heelsplitter	<i>Lasmigona decorata</i>	Endangered**
Vascular Plants		
Schweinitz's sunflower	<i>Helianthus schweinitzii</i>	Endangered
Heller's trefoil	<i>Lotus helleri</i>	FSC
CALDWELL COUNTY		
Critical Habitat Designation: Spruce-fir moss spider, <i>Microhexura montivaga</i> - Critical habitat designated (see the July 6, 2001, <i>Federal Register</i> , 66:35547-35566).		
Vertebrates		
Southern Appalachian saw-whet owl	<i>Aegolius acadicus</i>	FSC
Alleghany woodrat	<i>Neotoma magister</i>	FSC*
Southern Appalachian red crossbill	<i>Loxia curvirostra</i>	FSC
Southern Appalachian black-capped chickadee	<i>Poecile atricapillus practicus</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Southern Appalachian yellow-bellied sapsucker	<i>Sphyrapicus varius appalaciensis</i>	FSC
Invertebrates		
Brook floater	<i>Alasmidonta varicosa</i>	FSC
Margarita River skimmer	<i>Macromia margarita</i>	FSC*
Spruce-fir moss spider	<i>Microhexura montivaga</i>	Endangered
Edmund's snaketail dragonfly	<i>Ophiogomphus edmundo</i>	FSC
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC
Vascular Plants		
Fraser fir	<i>Abies fraseri</i>	FSC
Mountain bittercress	<i>Cardamine clematitis</i>	FSC
Bent avens	<i>Geum geniculatum</i>	FSC
Dwarf-flowered heartleaf	<i>Hexastylis naniflora</i>	Threatened
Butternut	<i>Juglans cinerea</i>	FSC
Heller's blazing star	<i>Liatris helleri</i>	Threatened
Gray's lily	<i>Lilium grayi</i>	FSC
Sweet pinesap	<i>Monotropsis odorata</i>	FSC*
Riparian vervain	<i>Verbena riparia</i>	FSC*
Nonvascular Plants		
A liverwort	<i>Plagiochila sullivantii</i> var. <i>sullivantii</i>	FSC
CAMDEN COUNTY		
Vertebrates		
American alligator	<i>Alligator mississippiensis</i>	T(S/A)
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Vascular Plants		
Virginia least trillium	<i>Trillium pusillum</i> var. <i>virginianum</i>	FSC
CARTERET COUNTY		
Critical Habitat Designation: Piping plover, <i>Charadrius melanotos</i> - See the July 10, 2001, <i>Federal Register</i> , 66:36038-36136, for a description of the primary constituent elements essential for the conservation of wintering piping plovers within the designated units. This document also contains a map and a description of each designated unit.		
Vertebrates		
Shortnose sturgeon	<i>Acipenser brevirostrum</i>	Endangered
Bachman's sparrow	<i>Aimophila aestivalis</i>	FSC
American alligator	<i>Alligator mississippiensis</i>	T(S/A)
Eastern Henslow's sparrow	<i>Ammodramus henslowii susurrans</i>	FSC
Loggerhead sea turtle	<i>Caretta caretta</i>	Threatened
Piping plover	<i>Charadrius melanotos</i>	Threatened
Green sea turtle	<i>Chelonia mydas</i>	Threatened
Leatherback sea turtle	<i>Dermochelys coriacea</i>	Endangered
Hawksbill turtle	<i>Eretmochelys imbricata</i>	Endangered
Southern hognose snake	<i>Heterodon simus</i>	FSC*
Black rail	<i>Laterallus jamaicensis</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Kemp's ridley sea turtle	<i>Lepidochelys kempii</i>	Endangered
Northern diamondback terrapin	<i>Malaclemys terrapin terrapin</i>	FSC
Mimic glass lizard	<i>Ophisaurus mimicus</i>	FSC
Eastern painted bunting	<i>Passerina ciris ciris</i>	FSC*
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Eastern cougar	<i>Puma concolor couguar</i>	Endangered*
Carolina gopher frog	<i>Rana capito capito</i>	FSC
Roseate tern	<i>Sterna dougallii</i>	Endangered
Manatee	<i>Trichechus manatus</i>	Endangered
Invertebrates		
Arogos skipper	<i>Atrytone arogos arogos</i>	FSC
A skipper	<i>Atrytonopsis</i> sp. 1	FSC
Venus flytrap cutworm moth	<i>Hemipachnobia subporphyrea subporphyrea</i>	FSC
Croatan crayfish	<i>Procambarus plumimanus</i>	FSC
Carter's noctuid moth	<i>Spartiniphaga carterae</i>	FSC
Vascular Plants		
Seabeach amaranth	<i>Amaranthus pumilus</i>	Threatened
Venus flytrap	<i>Dionea muscipula</i>	FSC
Pondspice	<i>Litsea aestivalis</i>	FSC
Rough-leaved loosestrife	<i>Lysimachia asperulaefolia</i>	Endangered
Loose watermilfoil	<i>Myriophyllum laxum</i>	FSC
Coastal beaksedge	<i>Rhynchospora pleiantha</i>	FSC
Carolina goldenrod	<i>Solidago pulchra</i>	FSC
Carolina asphodel	<i>Tofieldia glabra</i>	FSC
"Dune bluecurls"	<i>Trichostema</i> sp. 1	FSC
Nonvascular Plants		
Savanna campylopus	<i>Campylopus caroliniae</i>	FSC
CASWELL COUNTY		
Invertebrates		
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
James spinymussel	<i>Pleurobema collina</i>	Endangered
Vascular Plants		
Virginia quillwort	<i>Isoetes virginica</i>	FSC
Heller's trefoil	<i>Lotus helleri</i>	FSC
CATAWBA COUNTY		
Invertebrates		
Catawba crayfish ostracod	<i>Dactyloctythere isabelae</i>	FSC
Vascular Plants		
Dwarf-flowered heartleaf	<i>Hexastylis naniflora</i>	Threatened
Sweet pinesap	<i>Monotropa odorata</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
CHATHAM COUNTY		
Critical Habitat Designation: Cape Fear shiner, <i>Notropis mekistocholas</i> -		
Approximately 4.1 miles of the Rocky River from North Carolina State Highway 902 Bridge downstream to Chatham County Road 1010 Bridge; and approximately 0.5 river mile of Bear Creek, from Chatham County Road 2156 Bridge downstream to the Rocky River, then downstream in the Rocky River (approximately 4.2 river miles) to the Deep River, then downstream in the Deep River (approximately 2.6 river miles) to a point 0.3 river mile below the Moncure, North Carolina, U.S. Geological Survey Gaging Station. Constituent elements include clean streams with gravel, cobble, and boulder substrates with pools, riffles, shallow runs and slackwater areas with large rock outcrops and side channels and pools with water of good quality with relatively low silt loads.		
Vertebrates		
Bachman's sparrow	<i>Aimophila aestivalis</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
"Carolina" redhorse	<i>Moxostoma</i> sp. 2	FSC
Cape Fear shiner	<i>Notropis mekistocholas</i>	Endangered
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Invertebrates		
Brook floater	<i>Alasmidonta varicosa</i>	FSC
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Septima's clubtail dragonfly	<i>Gomphus septima</i>	FSC
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC
Vascular Plants		
Virginia quillwort	<i>Isoetes virginica</i>	FSC
Buttercup phacelia	<i>Phacelia covillei</i>	FSC
Harperella	<i>Ptilimnium nodosum</i>	Endangered
CHEROKEE COUNTY		
Vertebrates		
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC
Hellbender	<i>Cryptobranchus alleganiensis</i>	FSC
Blotched chub	<i>Erimystax insignis</i>	FSC
Junaluska salamander	<i>Eurycea junaluska</i>	FSC
"Sicklefin" redhorse	<i>Moxostoma</i> sp. 1	FSC
Indiana bat	<i>Myotis sodalis</i>	Endangered (summer habitat)
Olive darter	<i>Percina squamata</i>	FSC
Northern pine snake	<i>Pituophis melanoleucus melanoleucus</i>	FSC*
Invertebrates		
Hiwassee crayfish	<i>Cambarus hiwasseeensis</i>	FSC
Parrish crayfish	<i>Cambarus parrishi</i>	FSC
Tan riffleshell	<i>Epioblasma florentina walkeri</i>	FSC**
Tennessee heelsplitter	<i>Lasmigona holstonia</i>	FSC*
Knotty rocksnavil	<i>Lithasia christyi</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Littlewing pearlymussel	<i>Pegias fabula</i>	Endangered**
Tennessee clubshell	<i>Pleurobema oviforme</i>	FSC
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC
Cumberland bean	<i>Villosa trabalis</i>	Endangered
Vascular Plants		
Small whorled pogonia	<i>Isotria medeoloides</i>	Threatened
White fringeless orchid	<i>Platanthera integrilabia</i>	C1*
Mountain catchfly	<i>Silene ovata</i>	FSC
Hairy blueberry	<i>Vaccinium hirsutum</i>	FSC
CHOWAN COUNTY		
Vertebrates		
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
CLAY COUNTY		
Vertebrates		
Southern Appalachian saw-whet owl	<i>Aegolius acadicus</i>	FSC
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Hellbender	<i>Cryptobranchus alleganiensis</i>	FSC
Cerulean warbler	<i>Dendroica cerulea</i>	FSC
Blotched chub	<i>Erimystax insignis</i>	FSC
Junaluska salamander	<i>Eurycea junaluska</i>	FSC
Southern Appalachian red crossbill	<i>Loxia curvirostra</i>	FSC
"Sicklefin" redhorse	<i>Moxostoma</i> sp. 1	FSC
Southern Appalachian black-capped chickadee	<i>Poecile atricapillus practicus</i>	FSC
Northern pine snake	<i>Pituophis melanoleucus melanoleucus</i>	FSC*
Southern water shrew	<i>Sorex palustris punctulatus</i>	FSC
Southern Appalachian yellow-bellied sapsucker	<i>Sphyrapicus varius appalaciensis</i>	FSC
Appalachian cottontail	<i>Sylvilagus obscurus</i>	FSC
Invertebrates		
Parrish crayfish	<i>Cambarus parrishi</i>	FSC
Tawny crescent butterfly	<i>Phycoides batesii maconensis</i>	FSC
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC
Vascular Plants		
Fraser fir	<i>Abies fraseri</i>	FSC
Glade spurge	<i>Euphorbia purpurea</i>	FSC
Butternut	<i>Juglans cinerea</i>	FSC
Rough rush (=New Jersey rush)	<i>Juncus caesariensis</i>	FSC
Green pitcher plant	<i>Sarracenia oreophila</i>	Endangered
Alabama least trillium	<i>Trillium pusillum</i> var. 1	FSC
Nonvascular Plants		
A liverwort	<i>Plagiochila sullivantii</i> var. <i>sullivantii</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
CLEVELAND COUNTY		
Vascular Plants		
Dwarf-flowered heartleaf	<i>Hexastylis naniflora</i>	Threatened
Sweet pinesap	<i>Monotropa odorata</i>	FSC
Torrey's mountain-mint	<i>Pycnanthemum torrei</i>	FSC*
Carolina saxifrage	<i>Saxifraga caroliniana</i>	FSC
COLUMBUS COUNTY		
Critical Habitat Designation: Waccamaw silverside, <i>Menidia extensa</i> - Lake Waccamaw in its entirety to mean high water level, and Big Creek from its mouth at Lake Waccamaw upstream approximately 0.6 kilometer (0.4 mile) to where the creek is crossed by County Road 1947. Constituent elements include high quality clear open water, with a neutral pH and clean substrate.		
Vertebrates		
Shortnose sturgeon	<i>Acipenser brevirostrum</i>	Endangered
Bachman's sparrow	<i>Aimophila aestivalis</i>	FSC
American alligator	<i>Alligator mississippiensis</i>	T(S/A)
Eastern Henslow's sparrow	<i>Ammodramus henslowii susurrans</i>	FSC
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC
Carolina pygmy sunfish	<i>Elassoma boehlkei</i>	FSC
Waccamaw darter	<i>Etheostoma perlóngum</i>	FSC
Waccamaw killifish	<i>Fundulus waccamensis</i>	FSC
Waccamaw silverside	<i>Menidia extensa</i>	Threatened
"Broadtail" madtom	<i>Noturus</i> sp. 1	FSC
Mimic glass lizard	<i>Ophisaurus mimicus</i>	FSC*
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Invertebrates		
"Waccamaw lance pearlymussel"	<i>Elliptio</i> sp. 5	FSC
Waccamaw spike	<i>Elliptio waccamawensis</i>	FSC
Waccamaw fatmucket	<i>Lampsilis fullerkatti</i>	FSC
Pee Dee lotic crayfish	<i>Procambarus lepidodactylus</i>	FSC
Savannah lilliput	<i>Toxolasma pullus</i>	FSC
Cape Fear threetooth	<i>Triodopsis soelneri</i>	FSC
Vascular Plants		
Savanna indigo-bush	<i>Amorpha georgiana</i> var. <i>confusa</i>	FSC
Chapman's three-awn	<i>Aristida simpliciflora</i>	FSC
Venus flytrap	<i>Dionaea muscipula</i>	FSC
Harper's fimbry	<i>Fimbristylis perpusilla</i>	FSC
Long beach seedbox	<i>Ludwigia brevipes</i>	FSC
Raven's seedbox	<i>Ludwigia ravenii</i>	FSC
Rough-leaved loosestrife	<i>Lysimachia asperulaefolia</i>	Endangered*
Carolina bogmint	<i>Macbridea caroliniana</i>	FSC
Pineland plantain	<i>Plantago sparsiflora</i>	FSC
Swamp forest beaksedge	<i>Rhynchospora decurrens</i>	FSC*
Spring-flowering goldenrod	<i>Solidago verna</i>	FSC
Wireleaf dropseed	<i>Sporobolus teretifolius</i> sensu <i>stricto</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Cooley's meadowrue	<i>Thalictrum cooleyi</i>	Endangered
Carolina asphodel	<i>Tofieldia glabra</i>	FSC
RAVEN COUNTY		
Vertebrates		
Bachman's sparrow	<i>Aimophila aestivalis</i>	FSC
American alligator	<i>Alligator mississippiensis</i>	T(S/A)
Leatherback sea turtle	<i>Dermochelys coriacea</i>	Endangered
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened
(proposed for delisting)		
Southern hognose snake	<i>Heterodon simus</i>	FSC
Black rail	<i>Laterallus jamaicensis</i>	FSC
Bridle shiner	<i>Notropis bifrenatus</i>	FSC
"Neuse" madtom	<i>Noturus furiosus</i> population 1	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Manatee	<i>Trichechus manatus</i>	Endangered
Invertebrates		
Croatan crayfish	<i>Procambarus plumimanus</i>	FSC
Anointed sallow moth	<i>Pyreferra ceromatica</i>	FSC*
Vascular Plants		
Sensitive jointvetch	<i>Aeschynomene virginica</i>	Threatened
Carolina spleenwort	<i>Asplenium heteroresiliens</i>	FSC
Venus flytrap	<i>Dionea muscipula</i>	FSC
Pondspice	<i>Litsea aestivalis</i>	FSC
Long beach seedbox	<i>Ludwigia brevipes</i>	FSC*
Godfrey's sandwort	<i>Minuartia godfreyi</i>	FSC
Loose watermilfoil	<i>Myriophyllum laxum</i>	FSC
Spring-flowering goldenrod	<i>Solidago verna</i>	FSC
Carolina asphodel	<i>Tofieldia glabra</i>	FSC*
CUMBERLAND COUNTY		
Vertebrates		
Bachman's sparrow	<i>Aimophila aestivalis</i>	FSC
American alligator	<i>Alligator mississippiensis</i>	T(S/A)
Southern hognose snake	<i>Heterodon simus</i>	FSC
"Broadtail" madtom	<i>Noturus</i> sp. 1	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Northern pine snake	<i>Pituophis melanoleucus melanoleucus</i>	FSC
Carolina gopher frog	<i>Rana capito capito</i>	FSC
Sandhills chub	<i>Semotilus lumbee</i>	FSC
Invertebrates		
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC
Saint Francis' satyr	<i>Neonympha mitchellii francisci</i>	Endangered

COMMON NAME	SCIENTIFIC NAME	STATUS
Vascular Plants		
Georgia indigo-bush	<i>Amorpha georgiana</i> var. <i>georgiana</i>	FSC
Sandhills milkvetch	<i>Astragalus michauxii</i>	FSC
Bog oatgrass	<i>Danthonia epilis</i>	FSC
Venus flytrap	<i>Dionea muscipula</i>	FSC
Small whorled pogonia	<i>Isotria medeoloides</i>	Threatened*
Sandhills bog lily	<i>Lilium pyrophilum</i>	FSC
Pondberry (=Southern spicebush)	<i>Lindera melissifolia</i>	Endangered
Bog spicebush	<i>Lindera subcoriacea</i>	FSC
Pondspice	<i>Litsea aestivalis</i>	FSC
Boykin's lobelia	<i>Lobelia boykinii</i>	FSC
Long beach seedbox	<i>Ludwigia brevipes</i>	FSC
Rough-leaved loosestrife	<i>Lysimachia asperulaefolia</i>	Endangered
Loose watermilfoil	<i>Myriophyllum laxum</i>	FSC
Conferva pondweed	<i>Potamogeton confervoides</i>	FSC
Spiked medusa	<i>Pteroglossaspis ecristata</i>	FSC
Sandhills pyxie-moss	<i>Pyxidanthera barbulata</i> var. <i>brevifolia</i>	FSC
Awned meadowbeauty	<i>Rhexia aristosa</i>	FSC
Michaux's sumac	<i>Rhus michauxii</i>	Endangered
American chaffseed	<i>Schwalbea americana</i>	Endangered
Carolina goldenrod	<i>Solidago pulchra</i>	FSC
Spring-flowering goldenrod	<i>Solidago verna</i>	FSC
Pickering's dawnflower	<i>Stylisma pickeringii</i> var. <i>pickeringii</i>	FSC
Carolina asphodel	<i>Tofieldia glabra</i>	FSC
Roughleaf yellow-eyed grass	<i>Xyris scabridifolia</i>	FSC

CURRITUCK COUNTY

Vertebrates

Loggerhead sea turtle	<i>Caretta caretta</i>	Threatened
Piping plover	<i>Charadrius melanotos</i>	Threatened
Leatherback sea turtle	<i>Dermochelys coriacea</i>	Endangered
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Black rail	<i>Laterallus jamaicensis</i>	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Manatee	<i>Trichechus manatus</i>	Endangered***

Vascular Plants

Seabeach amaranth	<i>Amaranthus pumilus</i>	Threatened
Long beach seedbox	<i>Ludwigia brevipes</i>	FSC*
Virginia least trillium	<i>Trillium pusillum</i> var. <i>virginianum</i>	FSC

DARE COUNTY

Critical Habitat Designation: Piping plover, *Charadrius melanotos* - See the July 10, 2001, *Federal Register*, 66:36038-36136, for a description of the primary constituent elements essential for the conservation of wintering piping plovers within the designated units. This document also contains a map and a description of each designated unit.

COMMON NAME	SCIENTIFIC NAME	STATUS
Vertebrates		
American alligator	<i>Alligator mississippiensis</i>	T(S/A)
Red wolf	<i>Canis rufus</i>	EXP
Loggerhead sea turtle	<i>Caretta caretta</i>	Threatened
Piping plover	<i>Charadrius melanotos</i>	Threatened
Green sea turtle	<i>Chelonia mydas</i>	Threatened
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC**
Leatherback sea turtle	<i>Dermochelys coriacea</i>	Endangered*
Hawksbill sea turtle	<i>Eretmochelys imbricata</i>	Endangered
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Black rail	<i>Laterallus jamaicensis</i>	FSC
Kemp's ridley sea turtle	<i>Lepidochelys kempii</i>	Endangered
"Buxton Woods" white-footed mouse	<i>Peromyscus leucopus</i> ssp. 1	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Roseate tern	<i>Sterna dougallii</i>	Endangered
Manatee	<i>Trichechus manatus</i>	Endangered
Vascular Plants		
Seabeach amaranth	<i>Amaranthus pumilus</i>	Threatened
Long beach seedbox	<i>Ludwigia brevipes</i>	FSC
"Dune bluecurls"	<i>Trichostema</i> sp. 1	FSC
DAVIDSON COUNTY		
Vertebrates		
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Carolina darter	<i>Etheostoma collis collis</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Vascular Plants		
Georgia aster	<i>Aster georgianus</i>	C1
Schweinitz's sunflower	<i>Helianthus schweinitzii</i>	Endangered
Heller's trefoil	<i>Lotus helleri</i>	FSC
DAVIE COUNTY		
Vertebrates		
Robust redhorse	<i>Moxostoma robustum</i>	FSC
Vascular Plants		
Creamy tick-trefoil	<i>Desmodium ochroleucum</i>	FSC*
Heller's trefoil	<i>Lotus helleri</i>	FSC*
Michaux's sumac	<i>Rhus michauxii</i>	Endangered
DUPLIN COUNTY		
Vertebrates		
American alligator	<i>Alligator mississippiensis</i>	T(S/A)*
Southern hognose snake	<i>Heterodon simus</i>	FSC*
"Broadtail" madtom	<i>Noturus</i> sp. 1	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered

COMMON NAME	SCIENTIFIC NAME	STATUS
Invertebrates		
Croatan crayfish	<i>Procambarus plumimanus</i>	FSC
Vascular Plants		
Venus flytrap	<i>Dionaea muscipula</i>	FSC
DURHAM COUNTY		
Vertebrates		
Carolina darter	<i>Etheostoma collis lepidinion</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Pinewoods shiner	<i>Lythrurus matutinus</i>	FSC
“Neuse” madtom	<i>Noturus furiosus</i> population 1	FSC
Invertebrates		
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Septima’s clubtail dragonfly	<i>Gomphus septima</i>	FSC
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC
Green floater	<i>Lasmigona subviridis</i>	FSC
Panhandle pebblesnail	<i>Somotogyrus virginicus</i>	FSC
Vascular Plants		
Tall larkspur	<i>Delphinium exaltatum</i>	FSC
Smooth coneflower	<i>Echinacea laevigata</i>	Endangered
Butternut	<i>Juglans cinerea</i>	FSC
Sweet pinesap	<i>Monotropsis odorata</i>	FSC
Michaux’s sumac	<i>Rhus michauxii</i>	Endangered
Nonvascular Plants		
A liverwort	<i>Plagiochila columbiana</i>	FSC
EDGECOMBE COUNTY		
Vertebrates		
Eastern Henslow’s sparrow	<i>Ammodramus henslowii susurrans</i>	FSC
Southern hognose snake	<i>Heterodon simus</i>	FSC*
Pinewoods shiner	<i>Lythrurus matutinus</i>	FSC
“Carolina” madtom	<i>Noturus furiosus</i> population 2	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Invertebrates		
Yellow lance	<i>Elliptio lanceolata</i>	FSC
Tar spiny mussel	<i>Elliptio steinstansana</i>	Endangered
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC
FORSYTH COUNTY		
Vertebrates		
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered****

COMMON NAME	SCIENTIFIC NAME	STATUS
Invertebrates		
Brook floater	<i>Alasmidonta varicosa</i>	FSC
Vascular Plants		
Small-anthered bittercress	<i>Cardamine micranthera</i>	Endangered
FRANKLIN COUNTY		
Vertebrates		
Pinewoods shiner	<i>Lythrurus matutinus</i>	FSC
“Carolina” madtom	<i>Noturus furiosus</i> population 2	FSC
Invertebrates		
Dwarf wedgemussel	<i>Alasmidonta heterodon</i>	Endangered
Yellow lance	<i>Elliptio lanceolata</i>	FSC
Tar spiny mussel	<i>Elliptio steinbachi</i>	Endangered
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC
Vascular Plants		
Flatrock panic grass	<i>Panicum lithophilum</i>	FSC
Michaux’s sumac	<i>Rhus michauxii</i>	Endangered
GASTON COUNTY		
Vertebrates		
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Vascular Plants		
Georgia aster	<i>Aster georgianus</i>	C1
Schweinitz’s sunflower	<i>Helianthus schweinitzii</i>	Endangered
GATES COUNTY		
Vertebrates		
American alligator	<i>Alligator mississippiensis</i>	T(S/A)
Eastern Henslow’s sparrow	<i>Ammodramus henslowii susurrans</i>	FSC
Rafinesque’s big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Invertebrates		
Tidewater interstitial amphipod	<i>Stygobromus araeus</i>	FSC
Vascular Plants		
Pondspice	<i>Litsea aestivalis</i>	FSC
Long beach seedbox	<i>Ludwigia brevipes</i>	FSC*
Conferva pondweed	<i>Potamogeton confervoides</i>	FSC
Virginia least trillium	<i>Trillium pusillum</i> var. <i>virginianum</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
GRAHAM COUNTY		
Critical Habitat Designation: Appalachian elktoe, <i>Alasmidonta raveneliana</i> - The main stem of the Cheoah River (Little Tennessee River system), from the Santeetlah Dam, downstream to its confluence with the Little Tennessee River.		
Within these areas, the primary constituent elements include: (i) Permanent, flowing, cool, clean water; (ii) Geomorphically stable stream channels and banks; (iii) Pool, riffle, and run sequences within the channel; (iv) Stable sand, gravel, cobble, boulder, and bedrock substrates with no more than low amounts of fine sediment; (v) Moderate to high stream gradient; (vi) Periodic natural flooding; and (vii) Fish hosts, with adequate living, foraging, and spawning areas for them.		
Vertebrates		
Southern Appalachian saw-whet owl	<i>Aegolius acadicus</i>	FSC
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC
Hellbender	<i>Cryptobranchus alleganiensis</i>	FSC
Cerulean warbler	<i>Dendroica cerulea</i>	FSC
Junaluska salamander	<i>Eurycea junaluska</i>	FSC
Carolina northern flying squirrel	<i>Glaucomys sabrinus coloratus</i>	Endangered
Southern Appalachian red crossbill	<i>Loxia curvirostra</i>	FSC
Indiana bat	<i>Myotis sodalis</i>	Endangered (summer habitat)
Southern Appalachian black-capped chickadee	<i>Poecile atricapillus practicus</i>	FSC
Northern pine snake	<i>Pituophis melanoleucus melanoleucus</i>	FSC*
Southern Appalachian yellow-bellied sapsucker	<i>Sphyrapicus varius appalaciensis</i>	FSC
Appalachian cottontail	<i>Sylvilagus obscurus</i>	FSC
Invertebrates		
Appalachian elktoe	<i>Alasmidonta raveneliana</i>	Endangered
Tawny crescent butterfly	<i>Phycoides batesii maconensis</i>	FSC
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC
Vascular Plants		
Mountain bittercress	<i>Cardamine clematitis</i>	FSC
Glade spurge	<i>Euphorbia purpurea</i>	FSC
Smoky Mountain mannagrass	<i>Glyceria nubigena</i>	FSC
Butternut	<i>Juglans cinerea</i>	FSC
Carolina saxifrage	<i>Saxifraga caroliniana</i>	FSC
Virginia spiraea	<i>Spiraea virginiana</i>	Threatened
Hairy blueberry	<i>Vaccinium hirsutum</i>	FSC
Nonvascular Plants		
Rock gnome lichen	<i>Gymnoderma lineare</i>	Endangered
A liverwort	<i>Porella wataugensis</i>	FSC*

COMMON NAME	SCIENTIFIC NAME	STATUS
GRANVILLE COUNTY		
Vertebrates		
Carolina darter	<i>Etheostoma collis lepidinion</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Pinewoods shiner	<i>Lythrurus matutinus</i>	FSC
Invertebrates		
Dwarf wedgemussel	<i>Alasmidonta heterodon</i>	Endangered
Brook floater	<i>Alasmidonta varicosa</i>	FSC
Yellow lance	<i>Elliptio lanceolata</i>	FSC
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC*
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC
Green floater	<i>Lasmigona subviridis</i>	FSC
Vascular Plants		
Tall larkspur	<i>Delphinium exaltatum</i>	FSC
Smooth coneflower	<i>Echinacea laevigata</i>	Endangered
Heller's trefoil	<i>Lotus helleri</i>	FSC
Harperella	<i>Ptilimnium nodosum</i>	Endangered
Torrey's mountain-mint	<i>Pycnanthemum torrei</i>	FSC*
GREENE COUNTY		
Vertebrates		
Pinewoods shiner	<i>Lythrurus matutinus</i>	FSC
"Neuse" madtom	<i>Noturus furiosus</i> population 1	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
GUILFORD COUNTY		
Vertebrates		
Carolina darter	<i>Etheostoma collis lepidinion</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
HALIFAX COUNTY		
Vertebrates		
Bachman's sparrow	<i>Aimophila aestivalis</i>	FSC
Cerulean warbler	<i>Dendroica cerulea</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
"Carolina" madtom	<i>Noturus furiosus</i> population 2	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Invertebrates		
Dwarf wedgemussel	<i>Alasmidonta heterodon</i>	Endangered
Yellow lance	<i>Elliptio lanceolata</i>	FSC
Tar spiny mussel	<i>Elliptio steinstansana</i>	Endangered
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Chowanoke crayfish	<i>Orconectes virginianus</i>	FSC
Tar River crayfish (=Albermarle crayfish)	<i>Procambarus medialis</i>	FSC
Vascular Plants		
Bog St. John's-wort	<i>Hypericum adpressum</i>	FSC
Carolina least trillium	<i>Trillium pusillum</i> var. <i>pusillum</i>	FSC
HARNETT COUNTY		
Vertebrates		
Bachman's sparrow	<i>Aimophila aestivalis</i>	FSC
"Carolina" redhorse	<i>Moxostoma</i> sp. 2	FSC
Cape Fear shiner	<i>Notropis mekistocholas</i>	Endangered
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Northern pine snake	<i>Pituophis melanoleucus melanoleucus</i>	FSC
Sandhills chub	<i>Semotilus lumbee</i>	FSC
Invertebrates		
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC
Vascular Plants		
Georgia indigo-bush	<i>Amorpha georgiana</i> var. <i>georgiana</i>	FSC
Sandhills milkvetch	<i>Astragalus michauxii</i>	FSC
Bog oatgrass	<i>Danthonia epilis</i>	FSC
Small whorled pogonia	<i>Isotria medeoloides</i>	Threatened*
Sandhills bog lily	<i>Lilium pyrophilum</i>	FSC
Long beach seedbox	<i>Ludwigia brevipes</i>	FSC*
Rough-leaved loosestrife	<i>Lysimachia asperulaefolia</i>	Endangered
Buttercup phacelia	<i>Phacelia covillei</i>	FSC
Sandhills pyxie-moss	<i>Pyxidanthera barbulata</i> var. <i>brevifolia</i>	FSC
Sun-facing coneflower	<i>Rudbeckia heliopsisidis</i>	FSC
Spring-flowering goldenrod	<i>Solidago verna</i>	FSC
Pickering's dawnflower	<i>Stylisma pickeringii</i> var. <i>pickeringii</i>	FSC
Carolina asphodel	<i>Tofieldia glabra</i>	FSC
Roughleaf yellow-eyed grass	<i>Xyris scabridifolia</i>	FSC
HAYWOOD COUNTY		
Critical Habitat Designation: Spruce-fir moss spider, <i>Microhexura montivaga</i> - Critical habitat designated (see the July 6, 2001, <i>Federal Register</i> , 66:35547-35566).		
Critical Habitat Designation: Appalachian elktoe, <i>Alasmidonta raveneliana</i> - The main stem of the West Fork Pigeon River (French Broad River system), from the confluence of the Little East Fork Pigeon River, downstream to the confluence of the East Fork Pigeon River, and the main stem of the Pigeon River, from the confluence of the West Fork Pigeon River and the East Fork Pigeon River, downstream to the N.C. Highway 215 Bridge crossing, south of Canton, North Carolina.		
Within these areas, the primary constituent elements include: (i) Permanent, flowing, cool, clean water; (ii) Geomorphically stable stream channels and banks; (iii) Pool, riffle,		

COMMON NAME	SCIENTIFIC NAME	STATUS
and run sequences within the channel; (iv) Stable sand, gravel, cobble, boulder, and bedrock substrates with no more than low amounts of fine sediment; (v) Moderate to high stream gradient; (vi) Periodic natural flooding; and (vii) Fish hosts, with adequate living, foraging, and spawning areas for them.		
Vertebrates		
Southern Appalachian saw-whet owl	<i>Aegolius acadicus</i>	FSC
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Olive-sided flycatcher	<i>Contopus borealis</i>	FSC
Hellbender	<i>Cryptobranchus alleganiensis</i>	FSC
Cerulean warbler	<i>Dendroica cerulea</i>	FSC
Carolina northern flying squirrel	<i>Glaucomys sabrinus coloratus</i>	Endangered
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Southern Appalachian red crossbill	<i>Loxia curvirostra</i>	FSC
Southern rock vole	<i>Microtus chrotorrhinus carolinensis</i>	FSC
Gray bat	<i>Myotis griseescens</i>	Endangered
Southern Appalachian woodrat	<i>Neotoma floridana haematoreia</i>	FSC
Alleghany woodrat	<i>Neotoma magister</i>	FSC
Southern Appalachian black-capped chickadee	<i>Poecile atricapillus practicus</i>	FSC
Eastern cougar	<i>Puma concolor couguar</i>	Endangered*
Southern water shrew	<i>Sorex palustris punctulatus</i>	FSC
Southern Appalachian yellow-bellied sapsucker	<i>Sphyrapicus varius appalaciensis</i>	FSC
Appalachian cottontail	<i>Sylvilagus obscurus</i>	FSC
Appalachian Bewick's wren	<i>Thryomanes bewickii altus</i>	FSC
Invertebrates		
Appalachian elktoe	<i>Alasmidonta raveneliana</i>	Endangered
Spruce-fir moss spider	<i>Microhexura montivaga</i>	Endangered
Tawny crescent butterfly	<i>Phyciodes batesii maconensis</i>	FSC*
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC
Vascular Plants		
Fraser fir	<i>Abies fraseri</i>	FSC
Piratebush	<i>Buckleya disticophylla</i>	FSC
Mountain bittercress	<i>Cardamine clematitis</i>	FSC
Tall larkspur	<i>Delphinium exaltatum</i>	FSC*
Glade spurge	<i>Euphorbia purpurea</i>	FSC
Smoky Mountain managrass	<i>Glyceria nubigena</i>	FSC
Small whorled pogonia	<i>Isotria medeoloides</i>	Threatened
Butternut	<i>Juglans cinerea</i>	FSC
Fraser's loosestrife	<i>Lysimachia fraseri</i>	FSC
Torrey's mountain-mint	<i>Pycnanthemum torrei</i>	FSC*
Rugel's ragwort	<i>Rugelia nudicaulis</i>	FSC
Carolina saxifrage	<i>Saxifraga caroliniana</i>	FSC
Mountain catchfly	<i>Silene ovata</i>	FSC
Alabama least trillium	<i>Trillium pusillum</i> var. 1	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Nonvascular Plants		
Rock gnome lichen	<i>Gymnoderma lineare</i>	Endangered
A liverwort	<i>Plagiochila sharpii</i>	FSC
A liverwort	<i>Plagiochila sullivantii</i> var. <i>sullivantii</i>	FSC
A liverwort	<i>Sphenolobopsis pearsonii</i>	FSC
HENDERSON COUNTY		
Vertebrates		
Green salamander	<i>Aneides aeneus</i>	FSC
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Hellbender	<i>Cryptobranchus alleganiensis</i>	FSC
Eastern small-footed myotis	<i>Myotis leibii</i>	FSC
Southern Appalachian woodrat	<i>Neotoma floridana haematoreia</i>	FSC
Invertebrates		
Appalachian elktoe	<i>Alasmidonta raveneliana</i>	Endangered
French Broad crayfish	<i>Cambarus reburrus</i>	FSC*
Oyster mussel	<i>Epioblasma capsaeformis</i>	Endangered
Tennessee heelsplitter	<i>Lasmigona holstonia</i>	FSC
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC*
Vascular Plants		
Schweinitz's sedge	<i>Carex schweinitzii</i>	FSC
Swamp pink	<i>Helonias bullata</i>	Threatened
Mountain heartleaf	<i>Hexastylis contracta</i>	FSC
French Broad heartleaf	<i>Hexastylis rhombiformis</i>	FSC
Small whorled pogonia	<i>Isotria medeoloides</i>	Threatened
Butternut	<i>Juglans cinerea</i>	FSC
Rough rush	<i>Juncus caesariensis</i>	FSC
Gray's lily	<i>Lilium grayi</i>	FSC
Fraser's loosestrife	<i>Lysimachia fraseri</i>	FSC**
Large-flowered Barbara's buttons	<i>Marshallia grandiflora</i>	FSC*
Sweet pinesap	<i>Monotropis odorata</i>	FSC*
Bog asphodel	<i>Narthecium americanum</i>	C1*
White fringed orchid	<i>Platanthera integrilabia</i>	C1
Bunched arrowhead	<i>Sagittaria fasciculata</i>	Endangered
Mountain sweet pitcher plant	<i>Sarracenia jonesii</i>	Endangered
Divided-leaf ragwort	<i>Senecio millefolium</i>	FSC*
Mountain catchfly	<i>Silene ovata</i>	FSC
White irisette	<i>Sisyrinchium dichotomum</i>	Endangered
HERTFORD COUNTY		
Vertebrates		
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Invertebrates		
Chowanoke crayfish	<i>Orconectes virginiensis</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
HOKER COUNTY		
Vertebrates		
Bachman's sparrow	<i>Aimophila aestivalis</i>	FSC
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC
Pinewoods darter	<i>Etheostoma mariae</i>	FSC
Southern hognose snake	<i>Heterodon simus</i>	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Northern pine snake	<i>Pituophis melanoleucus melanoleucus</i>	FSC
Carolina gopher frog	<i>Rana capito capito</i>	FSC
Sandhills chub	<i>Semotilus lumbee</i>	FSC
Invertebrates		
Saint Francis' satyr	<i>Neonympha mitchellii francisci</i>	Endangered
Vascular Plants		
Georgia indigo-bush	<i>Amorpha georgiana</i> var. <i>georgiana</i>	FSC
Sandhills milkvetch	<i>Astragalus michauxii</i>	FSC
Venus flytrap	<i>Dionaea muscipula</i>	FSC
Sandhills bog lily	<i>Lilium pyrophilum</i>	FSC
Bog spicebush	<i>Lindera subcoriacea</i>	FSC
Pondspice	<i>Litsea aestivalis</i>	FSC
Boykin's lobelia	<i>Lobelia boykinii</i>	FSC
Rough-leaved loosestrife	<i>Lysimachia asperulaefolia</i>	Endangered
Loose watermilfoil	<i>Myriophyllum laxum</i>	FSC
Conferva pondweed	<i>Potamogeton confervoides</i>	FSC
Spiked medusa	<i>Pteroglossaspis ecristata</i>	FSC
Sandhills pyxie-moss	<i>Pyxidanthera barbulata</i> var. <i>brevifolia</i>	FSC
Awned meadowbeauty	<i>Rhexia aristosa</i>	FSC
Michaux's sumac	<i>Rhus michauxii</i>	Endangered
Alabama beaksedge	<i>Rhynchospora crinipes</i>	FSC
American chaffseed	<i>Schwalbea americana</i>	Endangered
Spring-flowering goldenrod	<i>Solidago verna</i>	FSC
Pickering's dawnflower	<i>Stylisma pickeringii</i> var. <i>pickeringii</i>	FSC
Carolina asphodel	<i>Tofieldia glabra</i>	FSC
Roughleaf yellow-eyed grass	<i>Xyris scabrifolia</i>	FSC
HYDE COUNTY		
Critical Habitat Designation: Piping plover, <i>Charadrius melanotos</i> - See the July 10, 2001, <i>Federal Register</i> , 66:36038-36136, for a description of the primary constituent elements essential for the conservation of wintering piping plovers within the designated units. This document also contains a map and a description of each designated unit.		
Vertebrates		
American alligator	<i>Alligator mississippiensis</i>	T(S/A)
Red wolf	<i>Canis rufus</i>	EXP
Loggerhead sea turtle	<i>Caretta caretta</i>	Threatened
Piping plover	<i>Charadrius melanotos</i>	Threatened*
Green sea turtle	<i>Chelonia mydas</i>	Threatened*
Leatherback sea turtle	<i>Dermochelys coriacea</i>	Endangered
Hawksbill sea turtle	<i>Eretmochelys imbricata</i>	Endangered

COMMON NAME	SCIENTIFIC NAME	STATUS
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Black rail	<i>Laterallus jamaicensis</i>	FSC
Kemp's ridley sea turtle	<i>Lepidochelys kempii</i>	Endangered
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Manatee	<i>Trichechus manatus</i>	Endangered
Vascular Plants		
Sensitive jointvetch	<i>Aeschynomene virginica</i>	Threatened
Seabeach amaranth	<i>Amaranthus pumilus</i>	Threatened
Long beach seedbox	<i>Ludwigia brevipes</i>	FSC*
"Dune bluecurls"	<i>Trichostema</i> sp. 1	FSC*
IREDELL COUNTY		
Vertebrates		
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Alleghany woodrat	<i>Neotoma magister</i>	FSC
Vascular Plants		
Tall larkspur	<i>Delphinium exaltatum</i>	FSC*
Heller's trefoil	<i>Lotus helleri</i>	FSC
JACKSON COUNTY		
Critical Habitat Designation: Appalachian elktoe, <i>Alasmidonta raveneliana</i> - The main stem of the Tuckasegee River (Little Tennessee River system), from the N.C. State Route 1002 Bridge in Cullowhee, Jackson County, North Carolina, downstream to the N.C. Highway 19 Bridge, north of Bryson City, Swain County, North Carolina.		
Within these areas, the primary constituent elements include: (i) Permanent, flowing, cool, clean water; (ii) Geomorphically stable stream channels and banks; (iii) Pool, riffle, and run sequences within the channel; (iv) Stable sand, gravel, cobble, boulder, and bedrock substrates with no more than low amounts of fine sediment; (v) Moderate to high stream gradient; (vi) Periodic natural flooding; and (vii) Fish hosts, with adequate living, foraging, and spawning areas for them.		
Vertebrates		
Southern Appalachian saw-whet owl	<i>Aegolius acadicus</i>	FSC
Green salamander	<i>Aneides aeneus</i>	FSC
Rosyside dace	<i>Clinostomus funduloides</i> ssp. 1	FSC
Hellbender	<i>Cryptobranchus alleganiensis</i>	FSC
Wounded darter	<i>Etheostoma vulneratum</i>	FSC
Carolina northern flying squirrel	<i>Glaucomys sabrinus coloratus</i>	Endangered
Southern Appalachian red crossbill	<i>Loxia curvirostra</i>	FSC
"Sicklefin" redhorse	<i>Moxostoma</i> sp. 1	FSC
Indiana bat	<i>Myotis sodalis</i>	Endangered (winter records)
Southern Appalachian woodrat	<i>Neotoma floridana haematoreia</i>	FSC
Southern Appalachian black-capped chickadee	<i>Poecile atricapillus practicus</i>	FSC
Olive darter	<i>Percina squamata</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Northern pine snake	<i>Pituophis melanoleucus melanoleucus</i>	FSC
Southern Appalachian yellow-bellied sapsucker	<i>Sphyrapicus varius appalaciensis</i>	FSC
Appalachian Bewick's wren	<i>Thryomanes bewickii altus</i>	FSC
Invertebrates		
Appalachian elktoe	<i>Alasmidonta raveneliana</i>	Endangered
French Broad crayfish	<i>Cambarus reburrus</i>	FSC
Whitewater crayfish ostracod	<i>Dactyloctythere prinsi</i>	FSC
Tawny crescent butterfly	<i>Phycoides batesii maconensis</i>	FSC
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC
Vascular Plants		
Fraser fir	<i>Abies fraseri</i>	FSC
Mountain bittercress	<i>Cardamine clematitis</i>	FSC
Radford's sedge	<i>Carex radfordii</i>	FSC
Cuthbert's turtlehead	<i>Chelone cuthbertii</i>	FSC
Tall larkspur	<i>Delphinium exaltatum</i>	FSC
Glade spurge	<i>Euphorbia purpurea</i>	FSC
Swamp pink	<i>Helonias bullata</i>	Threatened
Gorge filmy fern	<i>Hymenophyllum tayloriae</i>	FSC
Small whorled pogonia	<i>Isotria medeoloides</i>	Threatened
Butternut	<i>Juglans cinerea</i>	FSC
Fraser's loosestrife	<i>Lysimachia fraseri</i>	FSC
Sweet pinesap	<i>Monotropsis odorata</i>	FSC
Torrey's mountain-mint	<i>Pycnanthemum torrei</i>	FSC*
Carolina saxifrage	<i>Saxifraga caroliniana</i>	FSC
Divided-leaf ragwort	<i>Senecio millefolium</i>	FSC
Mountain catchfly	<i>Silene ovata</i>	FSC
Granite dome goldenrod	<i>Solidago simulans</i>	FSC
Mountain thaspium	<i>Thaspium pinnatifidum</i>	FSC*
Lobed barren-strawberry	<i>Waldsteinia lobata</i>	FSC*
Nonvascular Plants		
Gorge moss	<i>Bryocrumia vivicolor</i>	FSC
Rock gnome lichen	<i>Gymnoderma lineare</i>	Endangered
A liverwort	<i>Plagiochila sullivantii</i> var. <i>spinigera</i>	FSC
A liverwort	<i>Plagiochila sullivantii</i> var. <i>sullivantii</i>	FSC
A liverwort	<i>Plagiochila virginica</i> var. <i>caroliniana</i>	FSC
A liverwort	<i>Sphenolobopsis pearsonii</i>	FSC
JOHNSTON COUNTY		
Vertebrates		
Pinewoods shiner	<i>Lythrurus matutinus</i>	FSC
"Neuse" madtom	<i>Noturus furiosus</i> population 1	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Invertebrates		
Dwarf wedgemussel	<i>Alasmidonta heterodon</i>	Endangered
Yellow lance	<i>Elliptio lanceolata</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Tar spiny mussel	<i>Elliptio steinstansana</i>	Endangered
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC
Green floater	<i>Lasmigona subviridis</i>	FSC
Tar River crayfish	<i>Procambarus medialis</i>	FSC
Vascular Plants		
Sandhills bog lily	<i>Lilium pyrophilum</i>	FSC
Long beach seedbox	<i>Ludwigia brevipes</i>	FSC*
Carolina bogmint	<i>Macbridea caroliniana</i>	FSC
Michaux's sumac	<i>Rhus michauxii</i>	Endangered*
Spring-flowering goldenrod	<i>Solidago verna</i>	FSC
Carolina asphodel	<i>Tofieldia glabra</i>	FSC*
Carolina least trillium	<i>Trillium pusillum</i> var. <i>pusillum</i>	FSC
JONES COUNTY		
Vertebrates		
American alligator	<i>Alligator mississippiensis</i>	T(S/A)
Southern hognose snake	<i>Heterodon simus</i>	FSC*
"Neuse" madtom	<i>Noturus furiosus</i> population 1	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Carolina gopher frog	<i>Rana capito capito</i>	FSC
Invertebrates		
Croatan crayfish	<i>Procambarus plumimanus</i>	FSC
Vascular Plants		
Carolina spleenwort	<i>Asplenium heteroresiliens</i>	FSC
Venus flytrap	<i>Dionaea muscipula</i>	FSC
A quillwort	<i>Isoetes microvela</i>	FSC
Carolina bogmint	<i>Macbridea caroliniana</i>	FSC**
Godfrey's sandwort	<i>Minuartia godfreyi</i>	FSC
Carolina goldenrod	<i>Solidago pulchra</i>	FSC
Spring-flowering goldenrod	<i>Solidago verna</i>	FSC
LEE COUNTY		
Critical Habitat Designation: Cape Fear shiner, <i>Notropis mekistocholas</i> -		
Approximately 0.5 river mile of Bear Creek, from Chatham County Road 2156 Bridge downstream to the Rocky River, then downstream in the Rocky River (approximately 4.2 river miles) to the Deep River, then downstream in the Deep River (approximately 2.6 river miles) to a point 0.3 river mile below the Moncure, North Carolina, U.S. Geological Survey Gaging Station. Constituent elements include clean streams with gravel, cobble, and boulder substrates with pools, riffles, shallow runs and slackwater areas with large rock outcrops and side channels and pools with water of good quality with relatively low silt loads.		
Vertebrates		
"Carolina" redhorse	<i>Moxostoma</i> sp. 2	FSC
Robust redhorse	<i>Moxostoma robustum</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Cape Fear shiner	<i>Notropis mekistocholas</i>	Endangered
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Vascular Plants		
Georgia indigo-bush	<i>Amorpha georgiana</i> var. <i>georgiana</i>	FSC
Sandhills bog lily	<i>Lilium pyrophilum</i>	FSC
Bog spicebush	<i>Lindera subcoriacea</i>	FSC
Buttercup phacelia	<i>Phacelia covillei</i>	FSC
Harperella	<i>Ptilimnium nodosum</i>	Endangered
LENOIR COUNTY		
Vertebrates		
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
“Neuse” madtom	<i>Noturus furiosus</i> population 1	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Invertebrates		
Tar River crayfish	<i>Procambarus medialis</i>	FSC
Vascular Plants		
Sensitive jointvetch	<i>Aeschynomene virginica</i>	Threatened*
Georgia indigo-bush	<i>Amorpha georgiana</i> var. <i>georgiana</i>	FSC*
Venus flytrap	<i>Dionaea muscipula</i>	FSC*
LINCOLN COUNTY		
Vascular Plants		
Dwarf-flowered heartleaf	<i>Hexastylis naniflora</i>	Threatened
Michaux’s sumac	<i>Rhus michauxii</i>	Endangered*
MACON COUNTY		
Critical Habitat Designation: Spotfin chub, <i>Erimonax monachus</i> - Little Tennessee River, main channel from the backwaters of Fontana Lake upstream to the North Carolina-Georgia state line.		
Critical Habitat Designation: Appalachian elktoe, <i>Alasmidonta raveneliana</i> - The main stem of the Little Tennessee River (Tennessee River system), from the Lake Emory Dam at Franklin, Macon County, North Carolina, downstream to the backwaters of Fontana Reservoir in Swain County, North Carolina.		
Within these areas, the primary constituent elements include: (i) Permanent, flowing, cool, clean water; (ii) Geomorphically stable stream channels and banks; (iii) Pool, riffle, and run sequences within the channel; (iv) Stable sand, gravel, cobble, boulder, and bedrock substrates with no more than low amounts of fine sediment; (v) Moderate to high stream gradient; (vi) Periodic natural flooding; and (vii) Fish hosts, with adequate living, foraging, and spawning areas for them.		
Vertebrates		
Southern Appalachian saw-whet owl	<i>Aegolius acadicus</i>	FSC
Bachman’s sparrow	<i>Aimophila aestivalis</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Green salamander	<i>Aneides aeneus</i>	FSC
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Rosyside dace	<i>Clinostomus funduloides</i> ssp. 1	FSC
Olive-sided flycatcher	<i>Contopus borealis</i>	FSC
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC
Hellbender	<i>Cryptobranchus alleganiensis</i>	FSC
Spotfin chub	<i>Erimonax monachus</i>	Threatened
Cerulean warbler	<i>Dendroica cerulea</i>	FSC
Wounded darter	<i>Etheostoma vulneratum</i>	FSC
"Sicklefin" redhorse	<i>Moxostoma</i> sp. 1	FSC
Indiana bat	<i>Myotis sodalis</i>	Endangered (summer habitat/winter records)
Southern Appalachian woodrat	<i>Neotoma floridana haematoreia</i>	FSC
Olive darter	<i>Percina squamata</i>	FSC
Appalachian cottontail	<i>Sylvilagus obscurus</i>	FSC
Appalachian Bewick's wren	<i>Thryomanes bewickii altus</i>	FSC
Invertebrates		
Appalachian elktoe	<i>Alasmidonta raveneliana</i>	Endangered
Margarita River skimmer	<i>Macromia margarita</i>	FSC**
Lost Nantahala Cave spider	<i>Nesticus cooperi</i>	FSC
Littlewing pearl mussel	<i>Pegias fabula</i>	Endangered
Tawny crescent butterfly	<i>Phyciodes batesii maconensis</i>	FSC
Carolina skistodiaptomus	<i>Skistodiaptomus carolinensis</i>	FSC
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC
Vascular Plants		
Piratebush	<i>Buckleya distichophylla</i>	FSC
Cuthbert's turtlehead	<i>Chelone cuthbertii</i>	FSC*
Glade spurge	<i>Euphorbia purpurea</i>	FSC
West Indian dwarf polypody	<i>Grammitis nimbata</i>	FSC
Gorge filmy fern	<i>Hymenophyllum tayloriae</i>	FSC
Small whorled pogonia	<i>Isotria medeoloides</i>	Threatened
Butternut	<i>Juglans cinerea</i>	FSC
Fraser's loosestrife	<i>Lysimachia fraseri</i>	FSC
Sweet pinesap	<i>Monotropsis odorata</i>	FSC*
Torrey's mountain-mint	<i>Pycnanthemum torrei</i>	FSC*
Carolina saxifrage	<i>Saxifraga caroliniana</i>	FSC
Divided-leaf ragwort	<i>Senecio millefolium</i>	FSC
Mountain catchfly	<i>Silene ovata</i>	FSC
Granite dome goldenrod	<i>Solidago simulans</i>	FSC
Virginia spiraea	<i>Spiraea virginiana</i>	Threatened
Nonvascular Plants		
A liverwort	<i>Cephaloziella obtusilobula</i>	FSC*
A liverwort	<i>Plagiochila sharpii</i>	FSC
A liverwort	<i>Plagiochila sullivantii</i> var. <i>sullivantii</i>	FSC
A liverwort	<i>Plagiochila virginica</i> var. <i>caroliniana</i>	FSC
A liverwort	<i>Porella wataugensis</i>	FSC*

COMMON NAME	SCIENTIFIC NAME	STATUS
MADISON COUNTY		
Vertebrates		
Lake sturgeon	<i>Acipenser fulvescens</i>	FSC*
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC*
Hellbender	<i>Cryptobranchus alleganiensis</i>	FSC
Blotched chub	<i>Erimystax insignis</i>	FSC
Wounded darter	<i>Etheostoma vulneratum</i>	FSC
Spotfin chub	<i>Erimonax monachus</i>	Threatened*
Gray bat	<i>Myotis grisescens</i>	Endangered
Southern Appalachian woodrat	<i>Neotoma floridana haematoreia</i>	FSC
Olive darter	<i>Percina squamata</i>	FSC
Paddlefish	<i>Polyodon spathula</i>	FSC
Invertebrates		
Oyster mussel	<i>Epioblasma capsaeformis</i>	Endangered*
Sculpted supercoil	<i>Paravitrea ternaria</i>	FSC
Vascular Plants		
Piratebush	<i>Buckleya distichophylla</i>	FSC
Glade spurge	<i>Euphorbia purpurea</i>	FSC
Butternut	<i>Juglans cinerea</i>	FSC
Carolina saxifrage	<i>Saxifraga caroliniana</i>	FSC
Mountain catchfly	<i>Silene ovata</i>	FSC
Mountain thaspium	<i>Thaspium pinnatifidum</i>	FSC
MARTIN COUNTY		
Vertebrates		
Eastern Henslow's sparrow	<i>Ammodramus henslowii susurrans</i>	FSC
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Invertebrates		
Chowanoke crayfish	<i>Orconectes virginiensis</i>	FSC
McDOWELL COUNTY		
Vertebrates		
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Olive-sided flycatcher	<i>Contopus borealis</i>	FSC
Cerulean warbler	<i>Dendroica cerulea</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Southern Appalachian woodrat	<i>Neotoma floridana haematoreia</i>	FSC*
Alleghany woodrat	<i>Neotoma magister</i>	FSC
Invertebrates		
Bennett's Mill Cave water slater	<i>Caecidotea carolinensis</i>	FSC
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Vascular Plants		
Roan sedge	<i>Carex roanensis</i>	FSC
Cuthbert's turtlehead	<i>Chelone cuthbertii</i>	FSC
Tall larkspur	<i>Delphinium exaltatum</i>	FSC**
Mountain golden heather	<i>Hudsonia montana</i>	Threatened
Rocky shoal spider lily	<i>Hymenocallis coronaria</i>	FSC
Small whorled pogonia	<i>Isotria medeoloides</i>	Threatened
Butternut	<i>Juglans cinerea</i>	FSC
Gray's lily	<i>Lilium grayi</i>	FSC
Sweet pinesap	<i>Monotropa odorata</i>	FSC
Northern oconee-bells	<i>Shortia galacifolia</i> var. <i>brevistyla</i>	FSC
MECKLENBURG COUNTY		
Vertebrates		
Carolina darter	<i>Etheostoma collis collis</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Invertebrates		
Carolina heelsplitter	<i>Lasmigona decorata</i>	Endangered
Carolina creekshell	<i>Villosa vaughaniana</i>	FSC
Vascular Plants		
Georgia aster	<i>Aster georgianus</i>	C1
Tall larkspur	<i>Delphinium exaltatum</i>	FSC*
Smooth coneflower	<i>Echinacea laevigata</i>	Endangered*
Schweinitz's sunflower	<i>Helianthus schweinitzii</i>	Endangered
Virginia quillwort	<i>Isoetes virginica</i>	FSC
Heller's trefoil	<i>Lotus helleri</i>	FSC
Michaux's sumac	<i>Rhus michauxii</i>	Endangered*
MITCHELL COUNTY		
Critical Habitat Designation: Spruce-fir moss spider, <i>Microhexura montivaga</i> - Critical habitat designated (see the July 6, 2001, <i>Federal Register</i> , 66:35547-35566).		
Critical Habitat Designation: Appalachian elktoe, <i>Alasmidonta raveneliana</i> - The main stem of the North Toe River, Yancey and Mitchell Counties, North Carolina, from the confluence of Big Crabtree Creek, downstream to the confluence of the South Toe River; the main stem of the South Toe River, Yancey County, North Carolina, from the N.C. State Route 1152 Bridge, downstream to its confluence with the North Toe River; the main stem of the Toe River, Yancey and Mitchell Counties, North Carolina, from the confluence of the North Toe River and the South Toe River, downstream to the confluence of the Cane River; the main stem of the Cane River, Yancey County, North Carolina, from the N.C. State Route 1381 Bridge, downstream to its confluence with the Toe River; and the main stem of the Nolichucky River, from the confluence of the Toe River and the Cane River in Yancey and Mitchell Counties, North Carolina, downstream to the U.S. Highway 23/19W Bridge southwest of Erwin, Unicoi County, Tennessee.		
Within these areas, the primary constituent elements include: (i) Permanent, flowing, cool, clean water; (ii) Geomorphically stable stream channels and banks; (iii) Pool, riffle,		

COMMON NAME	SCIENTIFIC NAME	STATUS
and run sequences within the channel; (iv) Stable sand, gravel, cobble, boulder, and bedrock substrates with no more than low amounts of fine sediment; (v) Moderate to high stream gradient; (vi) Periodic natural flooding; and (vii) Fish hosts, with adequate living, foraging, and spawning areas for them.		
Vertebrates		
Southern Appalachian saw-whet owl	<i>Aegolius acadicus</i>	FSC
Olive-sided flycatcher	<i>Contopus borealis</i>	FSC
Blotched chub	<i>Erimystax insignis</i>	FSC
Sharpehead darter	<i>Etheostoma acuticeps</i>	FSC
Carolina northern flying squirrel	<i>Glaucomys sabrinus coloratus</i>	Endangered
Southern Appalachian red crossbill	<i>Loxia curvirostra</i>	FSC
Indiana bat	<i>Myotis sodalis</i>	Endangered (winter records)
Alleghany woodrat	<i>Neotoma magister</i>	FSC*
Southern Appalachian black-capped chickadee	<i>Poecile atricapillus practicus</i>	FSC
Olive darter	<i>Percina squamata</i>	FSC
Southern Appalachian yellow-bellied sapsucker	<i>Sphyrapicus varius appalaciensis</i>	FSC
Appalachian cottontail	<i>Sylvilagus obscurus</i>	FSC
Invertebrates		
Appalachian elktoe	<i>Alasmidonta raveneliana</i>	Endangered
Spruce-fir moss spider	<i>Microhexura montivaga</i>	Endangered
Roan supercoil	<i>Paravitrea varidens</i>	FSC
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC*
Vascular Plants		
Fraser fir	<i>Abies fraseri</i>	FSC
Piratebush	<i>Buckleya distichophylla</i>	FSC
Mountain bittercress	<i>Cardamine clematitis</i>	FSC
Roan sedge	<i>Carex roanensis</i>	FSC
Tall larkspur	<i>Delphinium exaltatum</i>	FSC*
Glade spurge	<i>Euphorbia purpurea</i>	FSC
Bent avens	<i>Geum geniculatum</i>	FSC
Spreading avens	<i>Geum radiatum</i>	Endangered
Butternut	<i>Juglans cinerea</i>	FSC
Heller's blazing star	<i>Liatris helleri</i>	Threatened
Gray's lily	<i>Lilium grayi</i>	FSC
Canby's mountain lover (=cliff green)	<i>Paxistima canbyi</i>	FSC*
Blue Ridge goldenrod	<i>Solidago spithamea</i>	Threatened
Virginia spiraea	<i>Spiraea virginiana</i>	Threatened
Nonvascular Plants		
Rock gnome lichen	<i>Gymnoderma lineare</i>	Endangered
A liverwort	<i>Plagiochila sullivantii</i> var. <i>sullivantii</i>	FSC
A liverwort	<i>Sphenolobopsis pearsonii</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
MONTGOMERY COUNTY		
Vertebrates		
Carolina darter	<i>Etheostoma collis collis</i>	FSC
Pinewoods darter	<i>Etheostoma mariae</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Northern pine snake	<i>Pituophis melanoleucus melanoleucus</i>	FSC**
Eastern cougar	<i>Puma concolor couguar</i>	Endangered*
Sandhills chub	<i>Semotilus lumbee</i>	FSC
Invertebrates		
Brook floater	<i>Alasmidonta varicosa</i>	FSC
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Sandhills clubtail dragonfly	<i>Gomphus parvidens carolinus</i>	FSC
Savannah lilliput	<i>Toxolasma pullus</i>	FSC
Carolina creekshell	<i>Villosa vaughaniana</i>	FSC
Vascular Plants		
Georgia aster	<i>Aster georgianus</i>	C1
Ravine sedge	<i>Carex impresinervia</i>	FSC
Smooth coneflower	<i>Echinacea laevigata</i>	Endangered**
Schweinitz's sunflower	<i>Helianthus schweinitzii</i>	Endangered
Bog spicebush	<i>Lindera subcoriacea</i>	FSC
Yadkin River goldenrod	<i>Solidago plumosa</i>	FSC
MOORE COUNTY		
Critical Habitat Designation: Cape Fear shiner, <i>Notropis mekistocholas</i> -		
Approximately 1.5 miles of Fork Creek, from a point 0.1 river mile upstream of Randolph County Road 2873 Bridge downstream to the Deep River then downstream approximately 4.1 river miles of the Deep River in Randolph and Moore Counties, North Carolina, to a point 2.5 river miles below Moore County Road 1456 Bridge. Constituent elements include clean streams with gravel, cobble, and boulder substrates with pools, riffles, shallow runs and slackwater areas with large rock outcrops and side channels and pools with water of good quality with relatively low silt loads.		
Vertebrates		
Bachman's sparrow	<i>Aimophila aestivalis</i>	FSC
Carolina darter	<i>Etheostoma collis collis</i>	FSC
Pinewoods darter	<i>Etheostoma mariae</i>	FSC
Southern hognose snake	<i>Heterodon simus</i>	FSC
"Carolina" redhorse	<i>Moxostoma</i> sp. 2	FSC
Robust redhorse	<i>Moxostoma robustum</i>	FSC
Cape Fear shiner	<i>Notropis mekistocholas</i>	Endangered
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Northern pine snake	<i>Pituophis melanoleucus melanoleucus</i>	FSC
Sandhills chub	<i>Semotilus lumbee</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Invertebrates		
Brook floater	<i>Alasmidonta varicosa</i>	FSC
Arogos skipper	<i>Atrytone arogos arogos</i>	FSC
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Sandhills clubtail dragonfly	<i>Gomphus parvidens carolinus</i>	FSC
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC
Carolina creekshell	<i>Villosa vaughaniana</i>	FSC
Vascular Plants		
Georgia indigo-bush	<i>Amorpha georgiana</i> var. <i>georgiana</i>	FSC
Sandhills milkvetch	<i>Astragalus michauxii</i>	FSC
Bog oatgrass	<i>Danthonia epilis</i>	FSC
Venus flytrap	<i>Dionea muscipula</i>	FSC
Sandhills bog lily	<i>Lilium pyrophilum</i>	FSC
Bog spicebush	<i>Lindera subcoriacea</i>	FSC
Heller's trefoil	<i>Lotus helleri</i>	FSC
Buttercup phacelia	<i>Phacelia covillei</i>	FSC
Conferva pondweed	<i>Potamogeton confervoides</i>	FSC*
Sandhills pyxie-moss	<i>Pyxidanthera barbulata</i> var. <i>brevifolia</i>	FSC
Michaux's sumac	<i>Rhus michauxii</i>	Endangered
Alabama beaksedge	<i>Rhynchospora crinipes</i>	FSC
Sun-facing coneflower	<i>Rudbeckia heliopsisidis</i>	FSC
American chaffseed	<i>Schwalbea americana</i>	Endangered
Spring-flowering goldenrod	<i>Solidago verna</i>	FSC
Pickering's dawnflower	<i>Stylisma pickeringii</i> var. <i>pickeringii</i>	FSC
Roughleaf yellow-eyed grass	<i>Xyris scabridifolia</i>	FSC
NASH COUNTY		
Vertebrates		
Pinewoods shiner	<i>Lythrurus matutinus</i>	FSC
"Carolina" madtom	<i>Noturus furiosus</i> population 2	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Invertebrates		
Dwarf wedgemussel	<i>Alasmidonta heterodon</i>	Endangered
Yellow lance	<i>Elliptio lanceolata</i>	FSC
Tar spiny mussel	<i>Elliptio steinstansana</i>	Endangered
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC
Green floater	<i>Lasmigona subviridis</i>	FSC
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC*
Vascular Plants		
Sandhills bog lily	<i>Lilium pyrophilum</i>	FSC
Carolina least trillium	<i>Trillium pusillum</i> var. <i>pusillum</i>	FSC
NEW HANOVER COUNTY		
Critical Habitat Designation: Piping plover, <i>Charadrius melanotos</i> - See the July 10, 2001, <i>Federal Register</i> , 66:36038-36136, for a description of the primary constituent		

COMMON NAME	SCIENTIFIC NAME	STATUS
elements essential for the conservation of wintering piping plovers within the designated units. This document also contains a map and a description of each designated unit.		
Vertebrates		
Shortnose sturgeon	<i>Acipenser brevirostrum</i>	Endangered
American alligator	<i>Alligator mississippiensis</i>	T(S/A)
Loggerhead sea turtle	<i>Caretta caretta</i>	Threatened
Piping plover	<i>Charadrius melanotos</i>	Threatened
Green sea turtle	<i>Chelonia mydas</i>	Threatened
Southern hognose snake	<i>Heterodon simus</i>	FSC*
Southeastern myotis	<i>Myotis austroriparius</i>	FSC
Mimic glass lizard	<i>Ophisaurus mimicus</i>	FSC
Eastern painted bunting	<i>Passerina ciris ciris</i>	FSC*
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Northern pine snake	<i>Pituophis melanoleucus melanoleucus</i>	FSC*
Carolina gopher frog	<i>Rana capito capito</i>	FSC
Manatee	<i>Trichechus manatus</i>	Endangered
Invertebrates		
Buchholz's dart moth	<i>Agrotis buchholzi</i>	FSC
Arogos skipper	<i>Atrytone arogos arogos</i>	FSC*
Magnificent rams-horn	<i>Planorabella magnifica</i>	FSC
Rare skipper	<i>Problema bulenta</i>	FSC
Croatan crayfish	<i>Procambarus plumimanus</i>	FSC
Cape Fear threetooth	<i>Triodopsis soelneri</i>	FSC
Vascular Plants		
Seabeach amaranth	<i>Amaranthus pumilus</i>	Threatened
Savanna indigo-bush	<i>Amorpha georgiana</i> var. <i>confusa</i>	FSC*
Sandhills milkvetch	<i>Astragalus michauxii</i>	FSC
Venus flytrap	<i>Dionea muscipula</i>	FSC
Bog St. John's-wort	<i>Hypericum adpressum</i>	FSC**
Pondspice	<i>Litsea aestivalis</i>	FSC
Rough-leaved loosestrife	<i>Lysimachia asperulaefolia</i>	Endangered
Spiked medusa	<i>Pteroglossaspis ecristata</i>	FSC**
"Carolina" bishopweed	<i>Ptilimnium</i> sp. 1	FSC*
Coastal beaksedge	<i>Rhynchospora pleiantha</i>	FSC
Tough bumelia	<i>Sideroxylon tenax</i>	FSC*
Spring-flowering goldenrod	<i>Solidago verna</i>	FSC*
Coastal goldenrod	<i>Solidago villosicarpa</i>	FSC*
Pickering's dawnflower	<i>Stylisma pickeringii</i> var. <i>pickeringii</i>	FSC
Cooley's meadowrue	<i>Thalictrum cooleyae</i>	Endangered**
Carolina asphodel	<i>Tofieldia glabra</i>	FSC
"Dune bluecurls"	<i>Trichostema</i> sp. 1	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
NORTHAMPTON COUNTY		
Vertebrates		
Cerulean warbler	<i>Dendroica cerulea</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Vascular Plants		
Bog St. John's-wort	<i>Hypericum adpressum</i>	FSC
Sandhills bog lily	<i>Lilium pyrophilum</i>	FSC
Reclining bulrush	<i>Scirpus flaccidifolius</i>	FSC
ONSLOW COUNTY		
Critical Habitat Designation: Piping plover, <i>Charadrius melanotos</i> - See the July 10, 2001, <i>Federal Register</i>, 66:36038-36136, for a description of the primary constituent elements essential for the conservation of wintering piping plovers within the designated units. This document also contains a map and a description of each designated unit.		
Vertebrates		
Bachman's sparrow	<i>Aimophila aestivalis</i>	FSC
American alligator	<i>Alligator mississippiensis</i>	T(S/A)
Eastern Henslow's sparrow	<i>Ammodramus henslowii susurrans</i>	FSC
Loggerhead sea turtle	<i>Caretta caretta</i>	Threatened
Piping plover	<i>Charadrius melanotos</i>	Threatened
Green sea turtle	<i>Chelonia mydas</i>	Threatened
Leatherback sea turtle	<i>Dermochelys coriacea</i>	Endangered
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Southern hognose snake	<i>Heterodon simus</i>	FSC
Black rail	<i>Laterallus jamaicensis</i>	FSC
Mimic glass lizard	<i>Ophisaurus mimicus</i>	FSC
Eastern painted bunting	<i>Passerina ciris ciris</i>	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Eastern cougar	<i>Puma concolor couguar</i>	Endangered*
Carolina gopher frog	<i>Rana capito capito</i>	FSC
Invertebrates		
Croatan crayfish	<i>Procambarus plumimanus</i>	FSC
Vascular Plants		
Seabeach amaranth	<i>Amaranthus pumilus</i>	Threatened
Carolina spleenwort	<i>Asplenium heteroresiliens</i>	FSC
Many-flower grass-pink	<i>Calopogon multiflorus</i>	FSC
Golden sedge	<i>Carex lutea</i>	Endangered
Venus flytrap	<i>Dionaea muscipula</i>	FSC
A quillwort	<i>Isoetes microvelia</i>	FSC
Pondspice	<i>Litsea aestivalis</i>	FSC
Boykin's lobelia	<i>Lobelia boykinii</i>	FSC
Rough-leaved loosestrife	<i>Lysimachia asperulaefolia</i>	Endangered
Loose watermilfoil	<i>Myriophyllum laxum</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Hirsts panic grass	<i>Panicum hirstii</i>	C1
Awned meadowbeauty	<i>Rhexia aristosa</i>	FSC
Coastal beaksedge	<i>Rhynchospora pleiantha</i>	FSC
Thorne's beaksedge	<i>Rhynchospora thornei</i>	FSC
Carolina goldenrod	<i>Solidago pulchra</i>	FSC
Spring-flowering goldenrod	<i>Solidago verna</i>	FSC
Coastal goldenrod	<i>Solidago villosicarpa</i>	FSC
Cooley's meadowrue	<i>Thalictrum cooleyi</i>	Endangered
Carolina asphodel	<i>Tofieldia glabra</i>	FSC
ORANGE COUNTY		
Vertebrates		
Carolina darter	<i>Etheostoma collis lepidinion</i>	FSC
"Carolina" redhorse	<i>Moxostoma</i> sp. 2	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered**
Invertebrates		
Dwarf wedgemussel	<i>Alasmidonta heterodon</i>	Endangered
Brook floater	<i>Alasmidonta varicosa</i>	FSC
Carolina well diacyclops	<i>Diacyclops jeanneli putei</i>	FSC*
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC
Green floater	<i>Lasmigona subviridis</i>	FSC
Savanna lilliput	<i>Toxolasma pullus</i>	FSC
Vascular Plants		
Creamy tick-trefoil	<i>Desmodium ochroleucum</i>	FSC*
Smooth coneflower	<i>Echinacea laevigata</i>	Endangered*
Small whorled pogonia	<i>Isotria medeoloides</i>	Threatened
Butternut	<i>Juglans cinerea</i>	FSC
Sweet pinesap	<i>Monotropsis odorata</i>	FSC
Torrey's mountain-mint	<i>Pycnanthemum torrei</i>	FSC
Michaux's sumac	<i>Rhus michauxii</i>	Endangered
Nonvascular Plants		
A liverwort	<i>Plagiochila columbiana</i>	FSC
PAMLICO COUNTY		
Vertebrates		
Shortnose sturgeon	<i>Acipenser brevirostrum</i>	Endangered
American alligator	<i>Alligator mississippiensis</i>	T(S/A)
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Black rail	<i>Laterallus jamaicensis</i>	FSC
Kemp's ridley sea turtle	<i>Lepidochelys kempii</i>	Endangered
Northern diamondback terrapin	<i>Malaclemys terrapin terrapin</i>	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Manatee	<i>Trichechus manatus</i>	Endangered

COMMON NAME	SCIENTIFIC NAME	STATUS
Vascular Plants		
Venus flytrap	<i>Dionaea muscipula</i>	FSC
Rough-leaved loosestrife	<i>Lysimachia asperulaefolia</i>	Endangered
Spring-flowering goldenrod	<i>Solidago verna</i>	FSC
PASQUOTANK COUNTY		
Vertebrates		
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
PENDER COUNTY		
Critical Habitat Designation: Piping plover, <i>Charadrius melanotos</i> - See the July 10, 2001, <i>Federal Register</i>, 66:36038-36136, for a description of the primary constituent elements essential for the conservation of wintering piping plovers within the designated units. This document also contains a map and a description of each designated unit.		
Vertebrates		
Shortnose sturgeon	<i>Acipenser brevirostrum</i>	Endangered
Bachman's sparrow	<i>Aimophila aestivalis</i>	FSC
American alligator	<i>Alligator mississippiensis</i>	T(S/A)
Eastern Henslow's sparrow	<i>Ammodramus henslowii susurrans</i>	FSC
Loggerhead sea turtle	<i>Caretta caretta</i>	Threatened
Piping plover	<i>Charadrius melanotos</i>	Threatened
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC**
Southern hognose snake	<i>Heterodon simus</i>	FSC*
Southeastern myotis	<i>Myotis austroriparius</i>	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Carolina gopher frog	<i>Rana capito capito</i>	FSC
Manatee	<i>Trichechus manatus</i>	Endangered
Invertebrates		
Buchholz's dart moth	<i>Agrotis buchholzi</i>	FSC
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Venus flytrap cutworm moth	<i>Hemipachnobia subporphyrea subporphyrea</i>	FSC
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC
Croatan crayfish	<i>Procambarus plumimanus</i>	FSC
Carter's spartiniphaga	<i>Spartiniphaga carterae</i>	FSC
Vascular Plants		
Seabeach amaranth	<i>Amaranthus pumilus</i>	Threatened
Georgia indigo-bush	<i>Amorpha georgiana</i> var. <i>georgiana</i>	FSC
Chapman's three-awn	<i>Aristida simpliciflora</i>	FSC
Sandhills milkvetch	<i>Astragalus michauxii</i>	FSC
Golden sedge	<i>Carex lutea</i>	Endangered
Venus flytrap	<i>Dionaea muscipula</i>	FSC
Rough-leaved loosestrife	<i>Lysimachia asperulaefolia</i>	Endangered
Carolina bogmint	<i>Macbridea caroliniana</i>	FSC
Pineland plantain	<i>Plantago sparsiflora</i>	FSC
Thorne's beaksedge	<i>Rhynchospora thornei</i>	FSC
Grassleaf arrowhead	<i>Sagittaria graminea</i> var. <i>weatherbiana</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
American chaffseed	<i>Schwalbea americana</i>	Endangered
Carolina goldenrod	<i>Solidago pulchra</i>	FSC
Spring-flowering goldenrod	<i>Solidago verna</i>	FSC
Coastal goldenrod	<i>Solidago villosicarpa</i>	FSC
Cooley's meadowrue	<i>Thalictrum cooleyi</i>	Endangered
Carolina asphodel	<i>Tofieldia glabra</i>	FSC
Carolina least trillium	<i>Trillium pusillum</i> var. <i>pusillum</i>	FSC
PERQUIMANS COUNTY		
Vertebrates		
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC
PERSON COUNTY		
Vertebrates		
Dwarf wedgemussel	<i>Alasmidonta heterodon</i>	Endangered
Carolina darter	<i>Etheostoma collis lepidinion</i>	FSC
Pinewoods shiner	<i>Lythrurus matutinus</i>	FSC
Invertebrates		
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC
Green floater	<i>Lasmigona subviridis</i>	FSC
Vascular Plants		
Heller's trefoil	<i>Lotus helleri</i>	FSC
Sweet pinesap	<i>Monotropa odorata</i>	FSC
PITT COUNTY		
Vertebrates		
Eastern Henslow's sparrow	<i>Ammodramus henslowii susurrans</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Southern hognose snake	<i>Heterodon simus</i>	FSC*
Pinewoods shiner	<i>Lythrurus matutinus</i>	FSC
"Neuse" madtom	<i>Noturus furiosus</i> population 1	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Manatee	<i>Trichechus manatus</i>	Endangered
Invertebrates		
Tar spiny mussel	<i>Elliptio steinstansana</i>	Endangered
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC
Green floater	<i>Lasmigona subviridis</i>	FSC
Tar River crayfish	<i>Procambarus medialis</i>	FSC*
Vascular Plants		
Carolina asphodel	<i>Tofieldia glabra</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
POLK COUNTY		
Vertebrates		
Cerulean warbler	<i>Dendroica cerulea</i>	FSC
Southern Appalachian woodrat	<i>Neotoma floridana haematoreia</i>	FSC
Invertebrates		
Wyandot (=grizzled) skipper	<i>Pyrgus wyandot</i>	FSC*
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC
Vascular Plants		
Cuthbert's turtlehead	<i>Chelone cuthbertii</i>	FSC*
Dwarf-flowered heartleaf	<i>Hexastylis naniflora</i>	Threatened
French Broad heartleaf	<i>Hexastylis rhombiformis</i>	FSC
Small whorled pogonia	<i>Isotria medeoloides</i>	Threatened
Butternut	<i>Juglans cinerea</i>	FSC
Large-flowered Barbara's buttons	<i>Marshallia grandiflora</i>	FSC*
Sweet pinesap	<i>Monotropis odorata</i>	FSC*
Bigleaf scurfpea	<i>Orbexilum macrophyllum</i>	FSC*
Divided-leaf ragwort	<i>Senecio millefolium</i>	FSC
White irisette	<i>Sisyrinchium dichotomum</i>	Endangered
RANDOLPH COUNTY		
Critical Habitat Designation: Cape Fear shiner, <i>Notropis mekistocholas</i> -		
Approximately 1.5 miles of Fork Creek, from a point 0.1 river mile upstream of Randolph County Road 2873 Bridge downstream to the Deep River then downstream approximately 4.1 river miles of the Deep River in Randolph and Moore Counties, North Carolina, to a point 2.5 river miles below Moore County Road 1456 Bridge. Constituent elements include clean streams with gravel, cobble, and boulder substrates with pools, riffles, shallow runs and slackwater areas with large rock outcrops and side channels and pools with water of good quality with relatively low silt loads.		
Vertebrates		
Carolina darter	<i>Etheostoma collis collis</i>	FSC
“Carolina” redhorse	<i>Moxostoma</i> sp. 2	FSC
Cape Fear shiner	<i>Notropis mekistocholas</i>	Endangered
Invertebrates		
Brook floater	<i>Alasmidonta varicosa</i>	FSC
Pee Dee crayfish ostracod	<i>Dactylocythere peedeeensis</i>	FSC*
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Carolina creekshell	<i>Villosa vaughaniana</i>	FSC
Vascular Plants		
Schweinitz's sunflower	<i>Helianthus schweinitzii</i>	Endangered
RICHMOND COUNTY		
Vertebrates		
Shortnose sturgeon	<i>Acipenser brevirostrum</i>	Endangered
Bachman's sparrow	<i>Aimophila aestivalis</i>	FSC
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC**

COMMON NAME	SCIENTIFIC NAME	STATUS
Carolina darter	<i>Etheostoma collis collis</i>	FSC
Pinewoods darter	<i>Etheostoma mariae</i>	FSC
Southern hognose snake	<i>Heterodon simus</i>	FSC
“Carolina” redhorse	<i>Moxostoma</i> sp. 2	FSC
Robust redhorse	<i>Moxostoma robustum</i>	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Northern pine snake	<i>Pituophis melanoleucus melanoleucus</i>	FSC
Sandhills chub	<i>Semotilus lumbee</i>	FSC
Invertebrates		
Arogos skipper	<i>Atrytone arogos arogos</i>	FSC**
Carolina heelsplitter	<i>Lasmigona decorata</i>	Endangered
Vascular Plants		
Georgia indigo-bush	<i>Amorpha georgiana</i> var. <i>georgiana</i>	FSC*
Sandhills milkvetch	<i>Astragalus michauxii</i>	FSC
Bog oatgrass	<i>Danthonia epilis</i>	FSC
Sandhills bog lily	<i>Lilium pyrophilum</i>	FSC*
Bog spicebush	<i>Lindera subcoriacea</i>	FSC
Rough-leaved loosestrife	<i>Lysimachia asperulaefolia</i>	Endangered
Conferva pondweed	<i>Potamogeton confervoides</i>	FSC
Michaux’s sumac	<i>Rhus michauxii</i>	Endangered
Pickering’s dawnflower	<i>Stylosma pickeringii</i> var. <i>pickeringii</i>	FSC
Carolina asphodel	<i>Tofieldia glabra</i>	FSC
Roughleaf yellow-eyed grass	<i>Xyris scabrifolia</i>	FSC
ROBESON COUNTY		
Vertebrates		
Bachman’s sparrow	<i>Aimophila aestivalis</i>	FSC
American alligator	<i>Alligator mississippiensis</i>	T(S/A)
Rafinesque’s big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC
Pinewoods darter	<i>Etheostoma mariae</i>	FSC
Southern hognose snake	<i>Heterodon simus</i>	FSC
“Broadtail” madtom	<i>Noturus</i> sp. 1	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Carolina gopher frog	<i>Rana capito capito</i>	FSC
Vascular Plants		
Georgia indigo-bush	<i>Amorpha georgiana</i> var. <i>georgiana</i>	FSC*
Sandhills milkvetch	<i>Astragalus michauxii</i>	FSC*
Venus flytrap	<i>Dionaea muscipula</i>	FSC
Dwarf burhead	<i>Echinodorus parvulus</i>	FSC
Bog spicebush	<i>Lindera subcoriacea</i>	FSC
Long beach seedbox	<i>Ludwigia brevipes</i>	FSC*
Carolina bogmint	<i>Macbridea caroliniana</i>	FSC
Awned meadowbeauty	<i>Rhexia aristosa</i>	FSC
Michaux’s sumac	<i>Rhus michauxii</i>	Endangered

COMMON NAME	SCIENTIFIC NAME	STATUS
ROCKINGHAM COUNTY		
Invertebrates		
Green floater	<i>Lasmigona subviridis</i>	FSC
James spiny mussel	<i>Pleurobema collina</i>	Endangered
Vascular Plants		
Smooth coneflower	<i>Echinacea laevigata</i>	Endangered
Heller's trefoil	<i>Lotus helleri</i>	FSC
ROWAN COUNTY		
Vertebrates		
Carolina darter	<i>Etheostoma collis collis</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened
Robust redhorse	<i>Moxostoma robustum</i>	(proposed for delisting) FSC
Vascular Plants		
Georgia aster	<i>Aster georgianus</i>	C1
Schweinitz's sunflower	<i>Helianthus schweinitzii</i>	Endangered
Virginia quillwort	<i>Isoetes virginica</i>	FSC
Heller's trefoil	<i>Lotus helleri</i>	FSC
RUTHERFORD COUNTY		
Vertebrates		
Green salamander	<i>Aneides aeneus</i>	FSC
Cerulean warbler	<i>Dendroica cerulea</i>	FSC
Eastern small-footed myotis	<i>Myotis leibii</i>	FSC
Indiana bat	<i>Myotis sodalis</i>	Endangered (winter records)
Southern Appalachian woodrat	<i>Neotoma floridana haematoreia</i>	FSC
Northern pine snake	<i>Pituophis melanoleucus melanoleucus</i>	FSC
Vascular Plants		
Dwarf-flowered heartleaf	<i>Hexastylis naniflora</i>	Threatened
Small whorled pogonia	<i>Isotria medeoloides</i>	Threatened
Butternut	<i>Juglans cinerea</i>	FSC
Sweet pinesap	<i>Monotropa odorata</i>	FSC
Carolina saxifrage	<i>Saxifraga caroliniana</i>	FSC
Divided-leaf ragwort	<i>Senecio millefolium</i>	FSC
Mountain catchfly	<i>Silene ovata</i>	FSC**
White irisette	<i>Sisyrinchium dichotomum</i>	Endangered
Granite dome goldenrod	<i>Solidago simulans</i>	FSC
Nonvascular Plants		
Rock gnome lichen	<i>Gymnoderma lineare</i>	Endangered

COMMON NAME	SCIENTIFIC NAME	STATUS
SAMPSON COUNTY		
Vertebrates		
Bachman's sparrow	<i>Aimophila aestivalis</i>	FSC
American alligator	<i>Alligator mississippiensis</i>	T(S/A)
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC**
Southern hognose snake	<i>Heterodon simus</i>	FSC*
"Broadtail" madtom	<i>Noturus</i> sp. 1	FSC
Mimic glass lizard	<i>Ophisaurus mimicus</i>	FSC*
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Carolina gopher frog	<i>Rana capito capito</i>	FSC
Invertebrates		
American sand burrowing mayfly	<i>Dolania americana</i>	FSC
Vascular Plants		
Venus flytrap	<i>Dionaea muscipula</i>	FSC
Butternut	<i>Juglans cinerea</i>	FSC
Pondberry	<i>Lindera melissifolia</i>	Endangered
Pondspice	<i>Litsea aestivalis</i>	FSC
Long beach seedbox	<i>Ludwigia brevipes</i>	FSC*
Carolina bogmint	<i>Macbridea caroliniana</i>	FSC
Spring-flowering goldenrod	<i>Solidago verna</i>	FSC
Nonvascular Plants		
A liverwort	<i>Cylindrocolea andersonii</i>	FSC*
SCOTLAND COUNTY		
Vertebrates		
Bachman's sparrow	<i>Aimophila aestivalis</i>	FSC
American alligator	<i>Alligator mississippiensis</i>	T(S/A)
Pinewoods darter	<i>Etheostoma mariae</i>	FSC
Southern hognose snake	<i>Heterodon simus</i>	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Northern pine snake	<i>Pituophis melanoleucus melanoleucus</i>	FSC
Carolina gopher frog	<i>Rana capito capito</i>	FSC
Sandhills chub	<i>Semotilus lumbee</i>	FSC
Vascular Plants		
Sandhills milkvetch	<i>Astragalus michauxii</i>	FSC
Bog oatgrass	<i>Danthonia epilis</i>	FSC
Sandhills bog lily	<i>Lilium pyrophilum</i>	FSC*
Bog spicebush	<i>Lindera subcoriacea</i>	FSC
Boykin's lobelia	<i>Lobelia boykinii</i>	FSC
Rough-leaved loosestrife	<i>Lysimachia asperulaefolia</i>	Endangered
Canby's dropwort	<i>Oxypolis canbyi</i>	Endangered
Confervva pondweed	<i>Potamogeton confervoides</i>	FSC
Awned meadowbeauty	<i>Rhexia aristosa</i>	FSC
Michaux's sumac	<i>Rhus michauxii</i>	Endangered
American chaffseed	<i>Schwalbea americana</i>	Endangered
Spring-flowering goldenrod	<i>Solidago verna</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Pickering's dawnflower	<i>Stylosma pickeringii</i> var. <i>pickeringii</i>	FSC
Carolina asphodel	<i>Tofieldia glabra</i>	FSC
Roughleaf yellow-eyed grass	<i>Xyris scabrifolia</i>	FSC
Nonvascular Plants		
Savanna campylopus	<i>Campylopus caroliniae</i>	FSC
STANLY COUNTY		
Vertebrates		
Carolina darter	<i>Etheostoma collis collis</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Invertebrates		
Brook floater	<i>Alasmidonta varicosa</i>	FSC
Carolina creekshell	<i>Villosa vaughaniana</i>	FSC
Vascular Plants		
Georgia aster	<i>Aster georgianus</i>	C1
Schweinitz's sunflower	<i>Helianthus schweinitzii</i>	Endangered
Butternut	<i>Juglans cinerea</i>	FSC
Heller's trefoil	<i>Lotus helleri</i>	FSC
Yadkin River goldenrod	<i>Solidago plumosa</i>	FSC
Riverbank vervain	<i>Verbena riparia</i>	FSC*
STOKES COUNTY		
Vertebrates		
Orangefin madtom	<i>Noturus gilberti</i>	FSC
Rustyside sucker	<i>Thoburnia hamiltoni</i>	FSC
Invertebrates		
Green floater	<i>Lasmigona subviridis</i>	FSC
James spiny mussel	<i>Pleurobema collina</i>	Endangered
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC*
Vascular Plants		
Small-anthered bittercress	<i>Cardamine micranthera</i>	Endangered
Schweinitz's sunflower	<i>Helianthus schweinitzii</i>	Endangered
Butternut	<i>Juglans cinerea</i>	FSC
Sweet pinesap	<i>Monotropa odorata</i>	FSC
SURRY COUNTY		
Vertebrates		
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Robust redhorse	<i>Moxostoma robustum</i>	FSC
Invertebrates		
Brook floater	<i>Alasmidonta varicosa</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Vascular Plants		
Schweinitz's sunflower	<i>Helianthus schweinitzii</i>	Endangered
Small whorled pogonia	<i>Isotria medeoloides</i>	Threatened
SWAIN COUNTY		
Critical Habitat Designation: Spotfin chub, <i>Erimonax monachus</i> - Little Tennessee River, main channel from the backwaters of Fontana Lake upstream to the North Carolina-Georgia state line.		
Critical Habitat Designation: Spruce-fir moss spider, <i>Microhexura montivaga</i> - Critical habitat designated (see the July 6, 2001, <i>Federal Register</i> , 66:35547-35566).		
Critical Habitat Designation: Appalachian elktoe, <i>Alasmidonta raveneliana</i> - The main stem of the Little Tennessee River (Tennessee River system), from the Lake Emory Dam at Franklin, Macon County, North Carolina, downstream to the backwaters of Fontana Reservoir in Swain County, North Carolina, and the main stem of the Tuckasegee River (Little Tennessee River system), from the N.C. State Route 1002 Bridge in Cullowhee, Jackson County, North Carolina, downstream to the N.C. Highway 19 Bridge, north of Bryson City, Swain County, North Carolina.		
Within these areas, the primary constituent elements include: (i) Permanent, flowing, cool, clean water; (ii) Geomorphically stable stream channels and banks; (iii) Pool, riffle, and run sequences within the channel; (iv) Stable sand, gravel, cobble, boulder, and bedrock substrates with no more than low amounts of fine sediment; (v) Moderate to high stream gradient; (vi) Periodic natural flooding; and (vii) Fish hosts, with adequate living, foraging, and spawning areas for them.		
Vertebrates		
Southern Appalachian saw-whet owl	<i>Aegolius acadicus</i>	FSC
Rosyside dace	<i>Clinostomus funduloides</i> ssp. 1	FSC
Olive-sided flycatcher	<i>Contopus borealis</i>	FSC
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC
Hellbender	<i>Cryptobranchus alleganiensis</i>	FSC
Spotfin chub	<i>Erimonax monachus</i>	Threatened
Wounded darter	<i>Etheostoma vulneratum</i>	FSC
Carolina northern flying squirrel	<i>Glaucomys sabrinus coloratus</i>	Endangered
Southern Appalachian red crossbill	<i>Loxia curvirostra</i>	FSC
Southern rock vole	<i>Microtus chrotorrhinus carolinensis</i>	FSC
"Sicklefin" redhorse	<i>Moxostoma</i> sp. 1	FSC
Eastern small-footed myotis	<i>Myotis leibii</i>	FSC
Indiana bat	<i>Myotis sodalis</i>	Endangered (summer habitat)
Southern Appalachian woodrat	<i>Neotoma floridana haematoreia</i>	FSC*
Southern Appalachian black-capped chickadee	<i>Poecile atricapillus practicus</i>	FSC
Olive darter	<i>Percina squamata</i>	FSC
Northern pine snake	<i>Pituophis melanoleucus melanoleucus</i>	FSC
Eastern cougar	<i>Puma concolor couguar</i>	Endangered*
Southern water shrew	<i>Sorex palustris punctulatus</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Southern Appalachian yellow-bellied sapsucker	<i>Sphyrapicus varius appalaciensis</i>	FSC
Appalachian cottontail	<i>Sylvilagus obscurus</i>	FSC
Invertebrates		
Appalachian elktoe	<i>Alasmidonta raveneliana</i>	Endangered
Margarita River skimmer	<i>Macromia margarita</i>	FSC**
Clingman covert	<i>Mesodon wheatleyi clingmanicus</i>	FSC
Spruce-fir moss spider	<i>Microhexura montivaga</i>	Endangered
Lost Nantahala Cave spider	<i>Nesticus cooperi</i>	FSC
Noonday globe (=snail)	<i>Patera clarki nantahala</i>	Threatened
Littlewing pearlymussel	<i>Pegias fabula</i>	Endangered
Tawny crescent butterfly	<i>Phycoides batesii</i>	FSC
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC*
Vascular Plants		
Fraser fir	<i>Abies fraseri</i>	FSC
Piratebush	<i>Buckleya distichophylla</i>	FSC**
Mountain bittercress	<i>Cardamine clematitis</i>	FSC
Creamy tick-trefoil	<i>Desmodium ochroleucum</i>	FSC*
Glade spurge	<i>Euphorbia purpurea</i>	FSC
Smoky Mountain mannagrass	<i>Glyceria nubigena</i>	FSC
Butternut	<i>Juglans cinerea</i>	FSC
Sweet pinesap	<i>Monotropsis odorata</i>	FSC
Rugel's ragwort	<i>Rugelia nudicaulis</i>	FSC
Southern ocotee-bells	<i>Shortia galacifolia</i> var. <i>galacifolia</i>	FSC
Mountain catchfly	<i>Silene ovata</i>	FSC
Virginia spiraea	<i>Spiraea virginiana</i>	Threatened
Mountain thaspium	<i>Thaspium pinnatifidum</i>	FSC*
Hairy blueberry	<i>Vaccinium hirsutum</i>	FSC
Nonvascular Plants		
Rock gnome lichen	<i>Gymnoderma lineare</i>	Endangered
A liverwort	<i>Plagiochila sullivantii</i> var. <i>sullivantii</i>	FSC
A liverwort	<i>Sphenolobopsis pearsonii</i>	FSC

TRANSYLVANIA COUNTY

Critical Habitat Designation: Appalachian elktoe, *Alasmidonta raveneliana* - The main stem of the Little River (French Broad River system), from the Cascade Lake Power Plant, downstream to its confluence with the French Broad River.

Within these areas, the primary constituent elements include: (i) Permanent, flowing, cool, clean water; (ii) Geomorphically stable stream channels and banks; (iii) Pool, riffle, and run sequences within the channel; (iv) Stable sand, gravel, cobble, boulder, and bedrock substrates with no more than low amounts of fine sediment; (v) Moderate to high stream gradient; (vi) Periodic natural flooding; and (vii) Fish hosts, with adequate living, foraging, and spawning areas for them.

COMMON NAME	SCIENTIFIC NAME	STATUS
Vertebrates		
Southern Appalachian saw-whet owl	<i>Aegolius acadicus</i>	FSC
Green salamander	<i>Aneides aeneus</i>	FSC
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC*
Hellbender	<i>Cryptobranchus alleganiensis</i>	FSC
Carolina northern flying squirrel	<i>Glaucomys sabrinus coloratus</i>	Endangered
Southern Appalachian red crossbill	<i>Loxia curvirostra</i>	FSC
Southern Appalachian woodrat	<i>Neotoma floridana haematoreia</i>	FSC*
Southern Appalachian black-capped chickadee	<i>Poecile atricapillus practicus</i>	FSC
Southern Appalachian yellow-bellied sapsucker	<i>Sphyrapicus varius appalaciensis</i>	FSC
Appalachian cottontail	<i>Sylvilagus obscurus</i>	FSC
Appalachian Bewick's wren	<i>Thryomanes bewickii altus</i>	FSC*
Invertebrates		
Appalachian elktoe	<i>Alasmidonta raveneliana</i>	Endangered
French Broad crayfish	<i>Cambarus reburrus</i>	FSC
Oconee crayfish ostracod	<i>Cymocythere clavata</i>	FSC
Oyster mussel	<i>Epioblasma capsaeformis</i>	Endangered
Margarita River skimmer	<i>Macromia margarita</i>	FSC
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC*
Transylvania crayfish ostracod	<i>Waltoncythere acuta</i>	FSC
Vascular Plants		
Fraser fir	<i>Abies fraseri</i>	FSC
Alexander's rock aster	<i>Aster avitus</i>	FSC
Cuthbert's turtlehead	<i>Chelone cuthbertii</i>	FSC
Spreading avens	<i>Geum radiatum</i>	Endangered
Smoky Mountain mannagrass	<i>Glyceria nubigena</i>	FSC
Swamp pink	<i>Helonias bullata</i>	Threatened
French Broad heartleaf	<i>Hexastylis rhombiformis</i>	FSC
Small whorled pogonia	<i>Isotria medeoloides</i>	Threatened
Butternut	<i>Juglans cinerea</i>	FSC
Fraser's loosestrife	<i>Lysimachia fraseri</i>	FSC
Sweet pinesap	<i>Monotropsis odorata</i>	FSC
Flatrock panic grass	<i>Panicum lithophilum</i>	FSC*
Mountain sweet pitcher plant	<i>Sarracenia jonesii</i>	Endangered
Southern oconee-bells	<i>Shortia galacifolia</i> var. <i>galacifolia</i>	FSC
Lobed barren-strawberry	<i>Waldsteinia lobata</i>	FSC
Nonvascular Plants		
Gorge moss	<i>Bryocrumia vivicolor</i>	FSC
Rock gnome lichen	<i>Gymnoderma lineare</i>	Endangered
A liverwort	<i>Plagiochila sharpii</i>	FSC
A liverwort	<i>Plagiochila sullivantii</i> var. <i>sullivantii</i>	FSC
A liverwort	<i>Plagiochila virginica</i> var. <i>caroliniana</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
TYRRELL COUNTY		
Vertebrates		
American alligator	<i>Alligator mississippiensis</i>	T(S/A)
Red wolf	<i>Canis rufus</i>	EXP
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered

UNION COUNTY

Critical Habitat Designation: Carolina heelsplitter (*Lasmigona decorata*) - The main stem of Goose Creek (Pee Dee River system), from the N.C. Highway 218 Bridge, downstream to its confluence with the Rocky River, and the main stem of Duck Creek, from the Mecklenburg/Union County line, downstream to its confluence with Goose Creek; the main stem of Waxhaw Creek (Catawba River system), from the N.C. Highway 200 Bridge, downstream to the North Carolina/South Carolina State line; and the main stem of Flat Creek (Pee Dee River system), Lancaster County, South Carolina, from the S.C. Route 204 Bridge, downstream to its confluence with the Lynches River, and the main stem of the Lynches River, Lancaster and Chesterfield Counties, South Carolina, from the confluence of Belk Branch, Lancaster County, northeast (upstream) of the U.S. Highway 601 Bridge, downstream to the S.C. Highway 903 Bridge in Kershaw County, South Carolina.

Within these areas, the primary constituent elements include: (i) Permanent, flowing, cool, clean water; (ii) Geomorphically stable stream and river channels and banks; (iii) Pool, riffle, and run sequences within the channel; (iv) Stable substrates with no more than low amounts of fine sediment; (v) Moderate stream gradient; (vi) Periodic natural flooding; and (vii) Fish hosts, with adequate living, foraging, and spawning areas for them.

Vertebrates		
Carolina darter	<i>Etheostoma collis collis</i>	FSC
Invertebrates		
Pee Dee crayfish ostracod	<i>Dactylocythere peedensis</i>	FSC*
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Carolina heelsplitter	<i>Lasmigona decorata</i>	Endangered
Savanna lilliput	<i>Toxolasma pullus</i>	FSC
Carolina creekshell	<i>Villosa vaughaniana</i>	FSC
Vascular Plants		
Georgia aster	<i>Aster georgianus</i>	C1
Schweinitz's sunflower	<i>Helianthus schweinitzii</i>	Endangered
Virginia quillwort	<i>Isoetes virginica</i>	FSC
Heller's trefoil	<i>Lotus helleri</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
VANCE COUNTY		
Vertebrates		
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Pinewoods shiner	<i>Lythrurus matutinus</i>	FSC
“Carolina” madtom	<i>Noturus furiosus</i> population 2	FSC
Invertebrates		
Dwarf wedgemussel	<i>Alasmidonta heterodon</i>	Endangered
Yellow lance	<i>Elliptio lanceolata</i>	FSC
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC
Vascular Plants		
Buttercup phacelia	<i>Phacelia covillei</i>	FSC
WAKE COUNTY		
Vertebrates		
Bachman’s sparrow	<i>Aimophila aestivalis</i>	FSC
Carolina darter	<i>Etheostoma collis lepidinion</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
Southern hognose snake	<i>Heterodon simus</i>	FSC*
Pinewoods shiner	<i>Lythrurus matutinus</i>	FSC
Southeastern myotis	<i>Myotis austroriparius</i>	FSC
“Neuse” madtom	<i>Noturus furiosus</i> population 1	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Invertebrates		
Dwarf wedgemussel	<i>Alasmidonta heterodon</i>	Endangered
Yellow lance	<i>Elliptio lanceolata</i>	FSC
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Green floater	<i>Lasmigona subviridis</i>	FSC
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC*
Vascular Plants		
Bog spicebush	<i>Lindera subcoriacea</i>	FSC
Sweet pinesap	<i>Monotropsis odorata</i>	FSC
Flatrock panic grass	<i>Panicum lithophilum</i>	FSC
Michaux’s sumac	<i>Rhus michauxii</i>	Endangered
Carolina least trillium	<i>Trillium pusillum</i> var. <i>pusillum</i>	FSC
WARREN COUNTY		
Vertebrates		
Bachman’s sparrow	<i>Aimophila aestivalis</i>	FSC
Pinewoods shiner	<i>Lythrurus matutinus</i>	FSC
Invertebrates		
Dwarf wedgemussel	<i>Alasmidonta heterodon</i>	Endangered
Yellow lance	<i>Elliptio lanceolata</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Tar spiny mussel Atlantic pigtoe	<i>Elliptio steinstansana</i> <i>Fusconaia masoni</i>	Endangered FSC
Vascular Plants Heller's trefoil	<i>Lotus helleri</i>	FSC
WASHINGTON COUNTY		
Vertebrates		
Red wolf	<i>Canis rufus</i>	EXP
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC
Waccamaw killifish	<i>Fundulus waccamawensis</i>	FSC
Bald eagle	<i>Haliaeetus leucocephalus</i>	Threatened (proposed for delisting)
WATAUGA COUNTY		
Critical Habitat Designation: Spruce-fir moss spider, <i>Microhexura montivaga</i> - Critical habitat designated (see the July 6, 2001, <i>Federal Register</i> , 66:35547-35566).		
Vertebrates		
Southern Appalachian saw-whet owl	<i>Aegolius acadicus</i>	FSC
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Hellbender	<i>Cryptobranchus alleganiensis</i>	FSC
Cerulean warbler	<i>Dendroica cerulea</i>	FSC
Carolina northern flying squirrel	<i>Glaucomys sabrinus coloratus</i>	Endangered
Southern Appalachian red crossbill	<i>Loxia curvirostra</i>	FSC
Alleghany woodrat	<i>Neotoma magister</i>	FSC*
Southern Appalachian black-capped chickadee	<i>Poecile atricapillus practicus</i>	FSC
Kanawha minnow	<i>Phenacobius teretulus</i>	FSC
Southern water shrew	<i>Sorex palustris punctulatus</i>	FSC*
Southern Appalachian yellow-bellied sapsucker	<i>Sphyrapicus varius appalaciensis</i>	FSC
Appalachian cottontail	<i>Sylvilagus obscurus</i>	FSC*
Invertebrates		
Green floater	<i>Lasmigona subviridis</i>	FSC
Spruce-fir moss spider	<i>Microhexura montivaga</i>	Endangered
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC
Vascular Plants		
Fraser fir	<i>Abies fraseri</i>	FSC
Mountain bittercress	<i>Cardamine clematitis</i>	FSC
Tall larkspur	<i>Delphinium exaltatum</i>	FSC
Glade spurge	<i>Euphorbia purpurea</i>	FSC**
Bent avens	<i>Geum geniculatum</i>	FSC
Spreading avens	<i>Geum radiatum</i>	Endangered
Roan Mountain bluet	<i>Houstonia montana</i>	Endangered
Butternut	<i>Juglans cinerea</i>	FSC
Heller's blazing star	<i>Liatis helleri</i>	Threatened
Gray's lily	<i>Lilium grayi</i>	FSC
Bog bluegrass	<i>Poa paludigena</i>	FSC*

COMMON NAME	SCIENTIFIC NAME	STATUS
Nonvascular Plants		
A liverwort	<i>Porella wataugensis</i>	FSC*
WAYNE COUNTY		
Vertebrates		
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC*
Southern hognose snake	<i>Heterodon simus</i>	FSC*
Pinewoods shiner	<i>Lythrurus matutinus</i>	FSC
"Neuse" madtom	<i>Noturus furiosus</i> population 1	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Invertebrates		
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Vascular Plants		
Pondspice	<i>Litsea aestivalis</i>	FSC
WILKES COUNTY		
Vertebrates		
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Cerulean warbler	<i>Dendroica cerulea</i>	FSC
Invertebrates		
Diana fritillary butterfly	<i>Speyeria diana</i>	FSC
Regal fritillary butterfly	<i>Speyeria idalia</i>	FSC
Vascular Plants		
Butternut	<i>Juglans cinerea</i>	FSC
Torrey's mountain-mint	<i>Pycnanthemum torrei</i>	FSC*
Nonvascular Plants		
Keever's bristle-moss	<i>Orthotrichum keeverae</i>	FSC
WILSON COUNTY		
Vertebrates		
Eastern Henslow's sparrow	<i>Ammodramus henslowii susurrans</i>	FSC
Pinewoods shiner	<i>Lythrurus matutinus</i>	FSC
"Neuse" madtom	<i>Noturus furiosus</i> population 1	FSC
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
Invertebrates		
Dwarf wedgemussel	<i>Alasmidonta heterodon</i>	Endangered
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC
Vascular Plants		
Michaux's sumac	<i>Rhus michauxii</i>	Endangered
Carolina asphodel	<i>Tofieldia glabra</i>	FSC*

COMMON NAME	SCIENTIFIC NAME	STATUS
YADKIN COUNTY		
Invertebrates		
Brook floater	<i>Alasmidonta varicosa</i>	FSC
Robust redhorse	<i>Moxostoma robustum</i>	FSC
YANCEY COUNTY		
Critical Habitat Designation: Appalachian elktoe , <i>Alasmidonta raveneliana</i> - The main stem of the North Toe River, Yancey and Mitchell Counties, North Carolina, from the confluence of Big Crabtree Creek, downstream to the confluence of the South Toe River; the main stem of the South Toe River, Yancey County, North Carolina, from the N.C. State Route 1152 Bridge, downstream to its confluence with the North Toe River; the main stem of the Toe River, Yancey and Mitchell Counties, North Carolina, from the confluence of the North Toe River and the South Toe River, downstream to the confluence of the Cane River; the main stem of the Cane River, Yancey County, North Carolina, from the N.C. State Route 1381 Bridge, downstream to its confluence with the Toe River; and the main stem of the Nolichucky River, from the confluence of the Toe River and the Cane River in Yancey and Mitchell Counties, North Carolina, downstream to the U.S. Highway 23/19W Bridge southwest of Erwin, Unicoi County, Tennessee.		
Within these areas, the primary constituent elements include: (i) Permanent, flowing, cool, clean water; (ii) Geomorphically stable stream channels and banks; (iii) Pool, riffle, and run sequences within the channel; (iv) Stable sand, gravel, cobble, boulder, and bedrock substrates with no more than low amounts of fine sediment; (v) Moderate to high stream gradient; (vi) Periodic natural flooding; and (vii) Fish hosts, with adequate living, foraging, and spawning areas for them.		
Vertebrates		
Southern Appalachian saw-whet owl	<i>Aegolius acadicus</i>	FSC
Bog turtle	<i>Clemmys muhlenbergii</i>	T(S/A) ¹
Olive-sided flycatcher	<i>Contopus borealis</i>	FSC
Virginia big-eared bat	<i>Corynorhinus townsendii virginianus</i>	Endangered
Hellbender	<i>Cryptobranchus alleganiensis</i>	FSC
Blotched chub	<i>Erimystax insignis</i>	FSC
Sharpehead darter	<i>Etheostoma acuticeps</i>	FSC
Carolina northern flying squirrel	<i>Glaucomys sabrinus coloratus</i>	Endangered
Southern Appalachian red crossbill	<i>Loxia curvirostra</i>	FSC
Southern rock vole	<i>Microtus chrotorrhinus carolinensis</i>	FSC
Eastern small-footed myotis	<i>Myotis leibii</i>	FSC
Alleghany woodrat	<i>Neotoma magister</i>	FSC
Southern Appalachian black-capped chickadee	<i>Poecile atricapillus practicus</i>	FSC
Olive darter	<i>Percina squamata</i>	FSC
Eastern cougar	<i>Puma concolor couguar</i>	Endangered*
Southern Appalachian yellow-bellied sapsucker	<i>Sphyrapicus varius appalaciensis</i>	FSC
Appalachian cottontail	<i>Sylvilagus obscurus</i>	FSC

COMMON NAME	SCIENTIFIC NAME	STATUS
Invertebrates		
Appalachian elktoe	<i>Alasmidonta raveneliana</i>	Endangered
Fragile glyph	<i>Glyphyalinia clingmani</i>	FSC
Spruce-fir moss spider	<i>Microhexura montivaga</i>	Endangered
Roan supercoil	<i>Paravitrea varidens</i>	FSC*
Yancey sideswimmer	<i>Stygobromus carolinensis</i>	FSC*
Vascular Plants		
Fraser fir	<i>Abies fraseri</i>	FSC
Cain's reedgrass	<i>Calamagrostis cainii</i>	FSC
Mountain bittercress	<i>Cardamine clematitidis</i>	FSC
Glade spurge	<i>Euphorbia purpurea</i>	FSC
Spreading avens	<i>Geum radiatum</i>	Endangered
Roan Mountain bluet	<i>Houstonia montana</i>	Endangered
Butternut	<i>Juglans cinerea</i>	FSC
Gray's lily	<i>Lilium grayi</i>	FSC
Carolina saxifrage	<i>Saxifraga caroliniana</i>	FSC
Mountain catchfly	<i>Silene ovata</i>	FSC
Virginia spiraea	<i>Spiraea virginiana</i>	Threatened
Nonvascular Plants		
Rock gnome lichen	<i>Gymnoderma lineare</i>	Endangered
A liverwort	<i>Plagiochila sharpii</i>	FSC
A liverwort	<i>Plagiochila sullivantii</i> var. <i>sullivantii</i>	FSC
A liverwort	<i>Sphenolobopsis pearsonii</i>	FSC

KEY:

Status	Definition
Endangered	A taxon “in danger of extinction throughout all or a significant portion of its range.”
Threatened	A taxon “likely to become endangered within the foreseeable future throughout all or a significant portion of its range.”
Proposed	A taxon proposed for official listing as endangered or threatened.
C1	A taxon under consideration for official listing for which there is sufficient information to support listing.
FSC	A Federal species of concern--a species that may or may not be listed in the future (formerly C2 candidate species or species under consideration for listing for which there is insufficient information to support listing).
T(S/A)	Threatened due to similarity of appearance (e.g., American alligator)--a species that is threatened due to similarity of appearance with other rare species and is listed for its protection. These species are not biologically endangered or threatened and are not subject to Section 7 consultation.
EXP	A taxon that is listed as experimental (either essential or nonessential). Experimental, nonessential endangered species (e.g., red wolf) are treated as threatened on public land, for consultation purposes, and as species proposed for listing on private land.

Species with 1, 2, 3, or 4 asterisks behind them indicate historic, obscure, or incidental records.

*Historic record - the species was last observed in the county more than 50 years ago.

**Obscure record - the date and/or location of observation is uncertain.

***Incidental/migrant record - the species was observed outside of its normal range or habitat.

****Historic record - obscure and incidental record.

¹In the November 4, 1997, *Federal Register* (55822-55825), the northern population of the bog turtle (from New York south to Maryland) was listed as T (threatened), and the southern population (from Virginia south to Georgia) was listed as T(S/A) (threatened due to similarity of appearance). The T(S/A) designation bans the collection and interstate and international commercial trade of bog turtles from the southern population. The T(S/A) designation has no effect on land-management activities by private landowners in North Carolina, part of the southern population of the species. In addition to its official status as T(S/A), the U.S. Fish and Wildlife Service considers the southern population of the bog turtle as a Federal species of concern due to habitat loss.