

APPENDIX E—SPECIAL STATUS SPECIES IN ALABAMA AND MISSISSIPPI

This appendix provides information on special status species in the States of Alabama and Mississippi.

E.1. FEDERALLY PROTECTED SPECIES

The U.S. Fish and Wildlife Service provided species lists for Alabama and Mississippi. These lists are presented in the following sections.

E.1.1. Federally Protected Species In Alabama

There are 130 Federally protected species in Alabama as of October 27, 2005. Species in the following sections are coded as follows:

- E Endangered
- T Threatened
- EXPN Experimental Population, Non-essential
- SC Species of Concern
- S/A Similarity of Appearance
- PE Proposed Endangered
- PT Proposed Threatened
- C Candidate Taxon, Ready for Proposal
- CH Designated Critical Habitat
- CH* Indicates Critical Habitat in AL

E.1.1.1. Mammals

EBat, gray (*Myotis grisescens*)
 E-CH.....Bat, Indiana (*Myotis sodalis*)
 E in MS ..Bear, Louisiana black (*Ursus americanus luteolus*) S. AL bears are FL subspecies
 E.....Manatee, Florida (*Trichechus manatus*) listed in FL, GA
 E-CH*Mouse, Alabama beach (*Peromyscus polionotus ammobates*)
 E-CH*Mouse, Perdido Key beach (*Peromyscus polionotus trissyllepsis*)

E.1.1.2. Birds

E.....Crane, Mississippi sandhill (*Grus canadensis pulla*) listed in MS
 EXPN.....Crane, Whooping (*Grus americana*)
 T.....Eagle, bald (*Haliaeetus leucocephalus*)
 E in MS ..Pelican, brown (*Pelecanus occidentalis*) delisted 1985 in AL, FL, Atlantic Coast
 T-CH*Plover, piping (*Charadrius melodus*)
 E.....Stork, wood (*Mycteria americana*)
 E.....Tern, least (*Sterna antillarum*) listed in MS and TN
 E.....Woodpecker, red-cockaded (*Picoides borealis*)

E.1.1.3. Reptiles

- T Sea turtle, green (*Chelonia mydas*)
 E Sea turtle, hawksbill (*Eretmochelys imbricata*)
 E Sea turtle, Kemp's (=Atlantic) ridley (*Lepidochelys kempii*)
 E Sea turtle, leatherback (*Dermochelys coriacea*)
 T Sea turtle, loggerhead (*Caretta caretta*)
 T Snake, eastern indigo (*Drymarchon corais couperi*)
 C Snake, black pine (*Pituophis melanoleucus lodingi*)
 T Tortoise, gopher (*Gopherus polyphemus*) listed in Choctaw, Washington, Mobile counties only
 E Turtle, Alabama redbelly (*Pseudemys alabamensis*)
 T Turtle, flattened musk (*Sternotherus depressus*)
 T Turtle, ringed map (=sawback) (*Graptemys oculifera*) listed in MS
 T Turtle, yellow-blotched map (=sawback) (*Graptemys flavimaculata*) listed in MS

E.1.1.4. Amphibians

- PE Gopher Frog, Dusky (*Rana sevosa*) MS only (*Rana capito*) in AL not listed
 T Salamander, Red Hills (*Phaeognathus hubrichti*)
 T Salamander, Flatwoods (*Phaeognathus cingulatum*) not seen for decades
 C Waterdog, Black Warrior (*Necturus alabamensis*)

E.1.1.5. Snails

- T Elimia (snail), lacy (*Elimia crenatella*)
 E Lioplax (snail), cylindrical (*Lioplax cyclostomaformis*)
 E Pebblesnail, flat (*Lepyrium showalteri*)
 E Riversnail, Anthony's (*Athearnia anthonyi*) NEP below Wilson Dam
 T Rocksnail, painted (*Leptoxis taeniata*)
 E Rocksnail, plicate (*Leptoxis plicata*)
 T Rocksnail, round (*Leptoxis ampla*)
 E Snail, tulotoma (=Alabama live-bearing) (*Tulotoma magnifica*)
 E Armored snail (*Marstonia [=Pyrgulopsis] pachyta*)
 E Slender campeloma (*Campeloma decampi*)

E.1.1.6. Mussels

- E-CH* Acornshell, southern (*Epioblasma othcaloogensis*) **probably extirpated**
 C Bean, Choctaw (*Villosa choctawensis*)
 E Blossom, turgid (pearlymussel) (*Epioblasma turgidula*) **probably extinct**
 E Blossom, yellow (pearlymussel) (*Epioblasma florentina florentina*) **probably extirpated**
 E Catspaw (*Epioblasma obliquata obliquata*) **probably extirpated**
 E Clubshell, black (=Curtus' mussel) (*Pleurobema curtum*) **probably extirpated**
 E-CH* Clubshell, ovate (*Pleurobema perovatum*)
 E-CH* Clubshell, southern (*Pleurobema decisum*)
 E-CH* Combshell, Cumberlandian (*Epioblasma brevidens*) CH in Bear Creek
 E Combshell, southern (=penitent mussel) (*Epioblasma penita*)
 E-CH* Combshell, upland (*Epioblasma metastriata*) **probably extirpated**
 E Fanshell (*Cyrogenia stegaria*)
 T Heelsplitter, Alabama (=inflated) (*Potamilus inflatus*)

- E-CH*....Kidneyshell, triangular (*Ptychobranthus greenii*) may be split into 2 species, watch for details
 C.....Kidneyshell, Southern (*Ptychobranthus jonesi*)
 E.....Lampmussel, Alabama (*Lampsilis virescens*)
 E.....Lilliput, pale (pearlymussel) (*Toxolasma cylindrellus*)
 T-CH*....Moccasinshell, Alabama (*Medionidus acutissimus*)
 E-CH*....Moccasinshell, Coosa (*Medionidus parvulus*)
 E.....Moccasinshell, Gulf (*Medionidus penicillatus*)
 E.....Monkeyface, Cumberland (pearlymussel) (*Quadrula intermedia*)
 T-CH*....Mucket, orange-nacre (*Hamiota [Lampsilis] perovalis*)
 E.....Mucket, pink (pearlymussel) (*Lampsilis abrupta*)
 E-CH*....Oyster Mussel (*Epioblasma capsaeformis*) NEP in AL below Wilson Dam, CH in Bear Creek
 C.....Pearlshell, Alabama (*Margaritifera marrianae*)
 E.....Pearlymussel, cracking (*Hemistena lata*)
 E.....Pearlymussel, dromedary (*Dromus dromas*) **probably extirpated**
 E.....Pearlymussel, littlewing (*Pegias fabula*) **probably extirpated**
 C.....Pearlymussel, slabside (*Pleuronaia [Lexingtonia] dolabelloides*)
 E-CH*....Pigtoe, dark (*Pleurobema furvum*)
 E.....Pigtoe, fine-rayed (*Fusconaia cuneolus*)
 E.....Pigtoe, flat (=Marshall's mussel) (*Pleurobema marshalli*) **probably extirpated**
 C.....Pigtoe, fuzzy (*Pleurobema strodeanum*)
 E.....Pigtoe, oval (*Pleurobema pyriforme*)
 E.....Pigtoe, heavy (=Judge Tait's mussel) (*Pleurobema taitianum*)
 E.....Pigtoe, rough (*Pleurobema plenum*)
 E.....Pigtoe, shiny (*Fusconaia cor [=edgariana]*)
 E-CH*....Pigtoe, southern (*Pleurobema georgianum*)
 E.....Pimpleback, orangefoot (pearlymussel) (*Plethobasus cooperianus*)
 E.....Pink, ring (mussel) (*Obovaria retusa*)
 T-CH*....Pocketbook, finelined (*Hamiota [=Lampsilis] atilis*)
 E.....Pocketbook, shinyrayed (*Hamiota [Lampsilis] subangulata*)
 T.....Purple Bankclimber (*Plectomerus [=Elliptoideus] sloatianus*)
 C.....Sandshell, southern (*Lampsilis australis*)
 E.....Stirrupshell (*Quadrula stapes*) **probably extinct**
 E.....Wartyback, white (pearlymussel) (*Plethobasus cicatricosus*)

E.1.1.7. Crustaceans

- E.....Shrimp, Alabama cave (*Palaemonias alabamae*)

E.1.1.8. Fish

- E-CH*....Cavefish, Alabama (*Speoplatyrhinus poulsoni*)
 T-CH.....Chub, spotfin (*Erimonax monachus*); (= *Cyprinella [=Hybopsis] monacha*)
 E.....Darter, boulder (=Elk River) (*Etheostoma wapiti*)
 T.....Darter, goldline (*Percina aurolineata*)
 C.....Darter, Rush (*Etheostoma phytophylum*)
 E.....Darter, Vermilion (*Etheostoma chermocki*)
 T-CH*....Darter, slackwater (*Etheostoma boschungii*) CH in Cypress Creek & tributaries
 T.....Darter, snail (*Percina tanasi*)
 E.....Darter, watercress (*Etheostoma nuchale*)
 T.....Sculpin, pygmy (*Cottus pygmaeus*)
 T.....Shiner, blue (*Cyprinella [=Notropis] caerulea*)

- E.....Shiner, Cahaba (*Notropis cahabae*)
 E.....Shiner, Palezone (*Notropis albizonatus*)
 E.....Sturgeon, Alabama (*Scaphirhynchus suttkusi*)
 T-CH*....Sturgeon, Gulf (*Acipenser oxyrinchus desotoi*)

E.1.1.9. Plants

- T.....Little amphianthus (*Amphianthus pusillus*)
 T.....Price's potato-bean (*Apios priceana*)
 T.....Braun's rock cress (*Arabis perstellata*) no records in Daphne AL GIS
 E.....Morefield's leather-flower (*Clematis morefieldii*)
 E.....Alabama leather-flower (*Clematis socialis*)
 E.....Leafy prairie-clover (*Dalea [=Petalostemum] foliosa*)
 C.....Whorled sunflower (*Helianthus verticillatus*)
 T.....Lyrate bladderpod (*Lesquerella lyrata*)
 C.....Panhandle lily (*Lilium iridollae*)
 E.....Pondberry (*Lindera melissifolia*) not known in AL when listed throughout range
 T.....Mohr's Barbara's buttons (*Marshallia mohrii*)
 C.....White fringless orchid (*Platanthera integrilabia*)
 E.....Harperella (*Ptilimnium nodosum [=fluviatile]*)
 T.....Kral's water-plantain (*Sagittaria secundifolia*) = Little River Arrowhead
 E.....Green pitcher-plant (*Sarracenia oreophila*)
 E.....Alabama canebrake pitcher-plant (*Sarracenia rubra ssp. alabamensis*)
 E.....American chaffseed (*Schwalbea americana*)
 E.....Gentian pinkroot (*Spigelia gentianoides*) var. *alabamensis* in Bibb Cty not protected by ESA
 E.....Relict trillium (*Trillium reliquum*)
 E.....Tennessee yellow-eyed grass (*Xyris tennesseensis*)
 C.....Georgia Rockcress (*Arabis georgiana*)
 C.....Georgia aster (*Aster georgiana*)
 C.....Fleshyfruit glade cress (*Leavenworthia crassa*) see TVAGIS dataset

E.1.1.10. Ferns and Allies

- T.....American hart's-tongue fern (*Asplenium scolopendrium* var. *americanum*)
 E.....Louisiana quillwort (*Isoetes louisianensis*)
 T.....Alabama streak-sorus fern (*Thelypteris pilosa* var. *alabamensis*)

E.1.1.11. Insects

- E.....Butterfly, Mitchell's Satyr (*Neonympha mitchellii mitchellii*) AL not in listed range but found here
 E.....Hine's Emerald Dragonfly (*Sematochlora hineana*) recorded once '78, no surveys since

E.1.2. Federally Protected Species List for Mississippi

There are 37 Federally protected species in Mississippi as of December 2000. This list does not include the five endangered whale species that may occasionally be found in Mississippi coastal waters. Species in the following sections are coded as follows:

- E Endangered
- T Threatened

In addition, these species are exceptions to those listed in the following sections:

- **Protected Species due to Similarity of Appearance** (look similar to federally listed species):
 - American Alligator
 - American Black Bear
- **Extirpated Species** (Once lived in Mississippi but are no longer found here):
 - Alabama Sturgeon
 - American Burying Beetle
 - Bachman’s Warbler
 - Florida Panther
 - Ivory-billed Woodpecker
 - Red Wolf
- **Extinct Species** (Gone forever from Mississippi and the world):
 - Carolina Parakeet
 - Passenger Pigeon
- **Recovered Species** (Populations increased so that the species is no longer in danger of going extinct and has been removed from the Endangered Species List):
 - Peregrine Falcon, August 1995

E.1.2.1. Mammals

E.....Bat, gray (*Myotis grisescens*)
 E.....Bat, Indiana (*Myotis sodalis*)
 T.....Bear, Louisiana Black (*Ursus americanus luteolus*)
 E.....Manatee, West Indian (*Trichechus manatus*)

E.1.2.2. Birds

E.....Crane, Mississippi Sandhill (*Grus canadensis pulla*)
 T.....Eagle, Bald (*Haliaeetus leucocephalus*), proposed for delisting 2001
 E.....Pelican, Brown (*Pelecanus occidentalis*)
 T.....Plover, Piping (*Charadrius melodus*)
 E.....Tern, Least (interior population) (*Sterna antillarum*)
 E.....Woodpecker, Red-cockaded (*Picoides borealis*)

E.1.2.3. Reptiles

T.....Sea Turtle, Green (*Chelonia mydas*)
 E.....Sea Turtle, Hawksbill (*Eretmochelys imbricata*)
 E.....Sea Turtle, Kemp’s Ridley (=Atlantic) (*Lepidochelys kempii*)
 E.....Sea Turtle, Leatherback (*Dermochelys coriacea*)
 T.....Sea Turtle, Loggerhead (*Caretta caretta*)
 T.....Snake, Eastern Indigo (*Drymarchon corais couperi*)
 T.....Turtle, Ringed Map (=sawback) (*Graptemys oculifera*)
 T.....Turtle, Yellow-blotched (=sawback) (*Graptemys flavimaculata*)
 T.....Tortoise, Gopher (*Gopherus polyphemus*)

E.1.2.4. Fish

T.....Darter, Bayou (*Etheostoma rubrum*)

T Sturgeon, Gulf (*Acipenser oxyrinchus desotoi*)
 E Sturgeon, Pallid (*Scaphirhynchus albus*)

E.1.2.5. Mussels

E Clubshell, Black (*Pleurobema curtum*)
 E Clubshell, Ovate (*Pleurobema perovatum*)
 E Clubshell, Southern (*Pleurobema decisum*)
 E Combshell, Southern (*Epioblasma penita*)
 T Heelsplitter, Inflated (*Potamilus inflatus*)
 T Moccasinshell, Alabama (*Medionidus acutissimus*)
 T Mucket, Orange-nacre (*Lampsilis perovalis*)
 E Pigtoe, flat (*Pleurobema marshalli*)
 E Pigtoe, heavy (*Pleurobema taitianum*)
 E Pocketbook, Fat (*Potamilus [=Proptera] caprax*)
 E Stirrupshell (*Quadrula stapes*)

E.1.2.6. Plants

E American Chaffseed (*Schwalbea americana*)
 E Louisiana Quillwort (*Isoetes louisianensis*)
 T Price's Potato-bean (*Apios priceana*)
 E Pondberry (*Lindera melissifolia*)

E.1.3. Federally Protected Species in Alabama By County

The following sections present the occurrence of Federally protected species in Alabama by county. However, bald eagles (*Haliaeetus leucocephalus*), red-cockaded woodpeckers (*Picoides borealis*) and American peregrine falcons (*Falco peregrinus anatum*) may occur in any county, if suitable habitat exists. Species in the following sections are coded as follows:

- E Endangered Species
- T Threatened Species
- C Candidate Species
- CH Critical Habitat Designated
- (P) Historical Record and/or Possible Occurrence in County
- PE Proposed Endangered
- PT Proposed Threatened

E.1.3.1. Autauga

T Bald eagle (*Haliaeetus leucocephalus*)
 E Wood stork (*Mycteria americana*)
 E Alabama sturgeon (*Scaphirhynchus suttkusi*)
 E Alabama canebrake pitcher plant (*Sarracenia rubra ssp.alabamensis*)
 T Price's potato bean (*Apios priceana*)

E.1.3.2. Baldwin

E West Indian manatee (*Trichechus manatus*)
 ECH Alabama beach mouse (*Peromyscus polionotus ammobates*)

ECH Perdido Key beach mouse (*Peromyscus polionotus trissylepsis*)
 C..... Bachman’s sparrow (*Aimophila aestivalis*)
 E..... Red-cockaded woodpecker (*Picoides borealis*)
 E..... Least tern (*Sterna antillarum*)
 TPCH Piping plover (*Charadrius melodus*)
 T..... Bald eagle (*Haliaeetus leucocephalus*)
 E..... Wood stork (*Mycteria americana*)
 T..... Eastern indigo snake (*Drymarchon corais couperi*) (P)
 E..... Alabama red-bellied turtle (*Pseudemys alabamensis*)
 T..... Loggerhead sea turtle (*Caretta caretta*)
 E..... Kemp’s ridley sea turtle (*Lepidochelys kempii*)
 T..... Green sea turtle (*Chelonia mydas*) (P)
 T..... Flatwoods salamander (*Ambystoma cingulatum*) (P)
 E..... Heavy pigtoe mussel (*Pleurobema taitianum*)
 T..... Inflated heelsplitter mussel (*Potamilus inflatus*)
 T..... Gulf sturgeon (*Acipenser oxyrinchus desotoi*)
 E..... Alabama sturgeon (*Scaphirhynchus suttkusi*)
 E..... American chaffseed (*Schwalbea americana*)
 C..... Panhandle lily (*Lillium iridollae*)

E.1.3.3. Barbour

E..... Wood stork (*Mycteria americana*)
 T..... Bald Eagle (*Haliaeetus leucocephalus*)

E.1.3.4. Bibb

E..... Red-cockaded woodpecker (*Picoides borealis*)
 E..... Cylindrical lioplax snail (*Lioplax cyclostomaformis*)
 E..... Flat pebblesnail (*Lepyrium showalteri*)
 T..... Round rocksnail (*Leptoxis ampla*)
 T..... Orange-nacre mucket mussel (*Lampsilis perovalis*)
 T..... Fine-lined pocketbook mussel (*Lampsilis altilis*)
 E..... Triangular kidneyshell mussel (*Ptychobranthus greenii*)
 E..... Cahaba shiner (*Notropis cahabae*)
 T..... Goldline darter (*Percina aurolineata*)
 T..... Mohr’s Barbara’s buttons (*Marshallia mohrii*)
 E..... Tennessee yellow-eyed grass (*Xyris tennesseensis*)
 C..... Georgia rockcress (*Arabis georgiana*)
 E..... Mitchell’s satyr butterfly (*Neonympha mitchellii mitchellii*)

E.1.3.5. Blount

T..... Flattened musk turtle (*Sternotherus depressus*)
 C..... Black Warrior waterdog (*Necturus alabamensis*)
 E..... Plicate rocksnail (*Leptoxis plicata*)
 E..... Triangular kidneyshell mussel (*Ptychobranthus greenii*)
 T..... Fine-lined pocketbook mussel (*Lampsilis altilis*)
 T..... Orange-nacre mucket mussel (*Lampsilis perovalis*)
 E..... Ovate clubshell mussel (*Pleurobema perovatum*)
 E..... Cahaba shiner (*Notropis cahabae*)

- T Eggert's sunflower (*Helianthus eggertii*)
 C Georgia aster (*Aster georgianus*)

E.1.3.6. Bullock

- E Red cockaded woodpecker (*Picoides borealis*)
 E Relict trillium (*Trillium reliquum*)

E.1.3.7. Butler

- E Wood stork (*Mycteria americana*)
 T Red hills salamander (*Phaeognathus hubrichti*)

E.1.3.8. Calhoun

- E Gray bat (*Myotis grisescens*)
 E Red-cockaded woodpecker (*Picoides borealis*)
 E Tulotoma snail (*Tulotoma magnifica*)
 T Painted rocksnail (*Leptoxis taeniata*)
 T Fine-lined pocketbook mussel (*Lampsilis altilis*)
 E Southern pigtoe mussel (*Pleurobema georgianum*)
 E Triangular kidneyshell mussel (*Ptychobranthus greenii*)
 E Southern clubshell mussel (*Pleurobema decisum*)
 E Tennessee yellow-eyed grass (*Xyris tennesseensis*)
 T Mohr's Barbara's buttons (*Marshallia mohrii*)
 C White fringeless orchid (*Platanthera integrilabia*)

E.1.3.9. Chambers

- T Little amphianthus (*Amphianthus pusillus*)

E.1.3.10. Cherokee

- T Bald eagle (*Haliaeetus leucocephalus*)
 E Coosa moccasinshell mussel (*Medionidus parvulus*)
 E Triangular kidneyshell mussel (*Ptychobranthus greenii*)
 T Fine-lined pocketbook mussel (*Lampsilis altilis*)
 E Ovate clubshell mussel (*Pleurobema perovatum*)
 E Southern clubshell mussel (*Pleurobema decisum*)
 T Blue shiner (*Cyprinella caerulea*)
 E Green pitcher plant (*Sarracenia oreophila*)
 E Harperella (*Ptilimnium nodosum*)
 T Mohr's Barbara's buttons (*Marshallia mohrii*)
 E Alabama leather flower (*Clematis socialis*)
 T Kral's water-plantain (*Sagittaria secundifolia*)
 C Whorled sunflower (*Helianthus verticillatus*)

E.1.3.11. Chilton

- T Bald eagle (*Haliaeetus leucocephalus*)
 E Red-cockaded woodpecker (*Picoides borealis*)

- E..... Wood stork (*Mycteria americana*)
 T..... Painted rocksnail (*Leptoxis taeniata*)
 E..... Alabama canebrake pitcher plant (*Sarracenia rubra ssp.alabamensis*)

E.1.3.12. Choctaw

- T..... Bald eagle (*Haliaeetus leucocephalus*)
 E..... Wood stork (*Mycteria americana*)
 T..... Gopher tortoise (*Gopherus polyphemus*)
 T..... Inflated heelsplitter mussel (*Potamilus inflatus*)
 T..... Gulf sturgeon (*Acipenser oxyrinchus desotoi*)

E.1.3.13. Clarke

- E..... Wood stork (*Mycteria americana*)
 C..... Black pine snake (*Pituophis melanoleucus lodingi*)
 T..... Inflated heelsplitter mussel (*Potamilus inflatus*)
 E..... Heavy pigtoe mussel (*Pleurobema taitianum*) (P)
 T..... Gulf sturgeon (*Acipenser oxyrinchus desotoi*)
 E..... Alabama sturgeon (*Scaphirhynchus suttkusi*)

E.1.3.14. Clay

- E..... Tulotoma snail (*Tulotoma magnifica*)
 E..... Southern pigtoe mussel (*Pleurobema georgianum*)
 T..... Fine-lined pocketbook mussel (*Lampsilis altilis*)
 T..... Blue shiner (*Cyprinella caerulea*)
 C..... Georgia aster (*Aster georgianus*)
 C..... White fringeless orchid (*Platanthera integrilabia*)

E.1.3.15. Cleburne

- E..... Red-cockaded woodpecker (*Picoides borealis*)
 E..... Southern pigtoe mussel (*Pleurobema georgianum*)
 E..... Southern clubshell mussel (*Pleurobema decisum*)
 E..... Triangular kidneyshell mussel (*Ptychobranthus greenii*)
 T..... Fine-lined pocketbook (*Lampsilis altilis*)
 C..... White fringeless orchid (*Platanthera integrilabia*)

E.1.3.16. Coffee

- E..... Wood stork (*Mycteria americana*)
 T..... Gulf sturgeon (*Acipenser oxyrinchus desotoi*)

E.1.3.17. Colbert

- E..... Gray bat (*Myotis grisescens*)
 E..... Indiana bat (*Myotis sodalis*) (P)
 E..... Anthony's riversnail (*Athearnia anthonyi*)
 E..... Pink mucket pearly mussel (*Lampsilis abrupta*)
 E..... White warty-back pearly mussel (*Plethobasus cicatricosus*)

- E..... Rough pigtoe pearly mussel (*Pleurobema plenum*)
- E..... Cumberlandian combshell mussel (*Epioblasma brevidens*)
- E..... Ring pink mussel (*Obovaria retusa*)
- E..... Turgid blossom pearlymussel (*Epioblasma turgidula*)
- E..... Cracking pearlymussel (*Hemistena lata*)
- C..... Slabside pearlymussel (*Lexingtonia dolabellodes*)
- E..... Fanshell mussel (*Cyprogenia stegaria*)
- E..... Alabama cave shrimp (*Palaemonias alabamae*)
- E..... Spotfin chub (*Cyprinella (=Hybopsis) monacha*)
- T..... Lyrate bladder-pod (*Lesquerella lyrata*)
- T..... Eggert's sunflower (*Helianthus eggertii*) (P)
- E..... Leafy prairie-clover (*Dalea foliosa*)

E.1.3.18. Conecuh

- E..... Gray bat (*Myotis grisescens*)
- E..... Red-cockaded woodpecker (*Picoides borealis*)
- T..... Red hills salamander (*Phaeognathus hubrichti*)
- C..... Alabama pearlshell (*Margaritifera marrianae*)
- T..... Gulf sturgeon (*Acipenser oxyrinchus desotoi*)
- E..... Louisiana quillwort (*Isoetes louisianensis*)

E.1.3.19. Coosa

- E..... Red-cockaded woodpecker (*Picoides borealis*)
- T..... Bald eagle (*Haliaeetus leucocephalus*)
- E..... Tulotoma snail (*Tulotoma magnifica*)
- T..... Fine-lined pocketbook mussel (*Lampsilis altilis*)
- E..... Southern pigtoe mussel (*Pleurobema georgianum*)
- T..... Blue shiner (*Cyprinella caerulea*)
- T..... Kral's water-plantain (*Sagittaria secundifolia*)

E.1.3.20. Covington

- E..... Red-cockaded woodpecker (*Picoides borealis*)
- E..... Wood stork (*Mycteria americana*)
- T..... Bald eagle (*Haliaeetus leucocephalus*)
- T..... Eastern indigo snake (*Drymarchon corais couperi*) (P)
- T..... Red hills salamander (*Phaeognathus hubrichti*)
- T..... Flatwoods salamander (*Ambystoma cingulatum*) (P)
- T..... Gulf sturgeon (*Acipenser oxyrinchus desotoi*)
- E..... Pondberry (*Lindera melissifolia*)
- T..... Louisiana quillwort (*Isoetes louisianensis*) (P)

E.1.3.21. Crenshaw

- E..... Wood stork (*Mycteria americana*)
- T..... Red hills salamander (*Phaeognathus hubrichti*)

E.1.3.22. Cullman

- T Flattened musk turtle (*Sternotherus depressus*)
- C Black Warrior waterdog (*Necturus alabamensis*)
- E Ovate clubshell mussel (*Pleurobema perovatum*)
- E Triangular kidneyshell mussel (*Ptychobranthus greenii*)
- T Fine-lined pocketbook mussel (*Lampsilis altilis*)

E.1.3.23. Dale

- T Gulf sturgeon (*Acipenser oxyrinchus desotoi*)

E.1.3.24. Dallas

- T Bald eagle (*Haliaeetus leucocephalus*)
- E Wood stork (*Mycteria americana*)
- E Red-cockaded woodpecker (*Picoides borealis*)
- E Southern clubshell mussel (*Leurobema decisum*)
- E Heavy pigtoe mussel (*Pleurobema taitianum*)
- T Orange-nacre mucket mussel (*Lampsilis perovalis*)
- T Fine-lined pocketbook mussel (*Lampsilis altilis*)
- E Alabama sturgeon (*Scaphirhynchus suttkusi*)

E.1.3.25. DeKalb

- E Gray bat (*Myotis grisescens*)
- E Indiana bat (*Myotis sodalis*) (P)
- T Fine-lined pocketbook mussel (*Lampsilis altilis*)
- T Blue shiner (*Cyprinella caerulea*)
- T Kral's water-plantain (*Sagittaria secundifolia*)
- E Green pitcher plant (*Sarracenia oreophila*)
- E Harperella (*Ptilimnium nodosum*)
- T Eggert's sunflower (*Helianthus eggertii*) (P)

E.1.3.26. Elmore

- T Bald eagle (*Haliaeetus leucocephalus*)
- E Tulotoma snail (*Tulotoma magnifica*)
- E Fine-lined pocketbook mussel (*Lampsilis altilis*)
- E Alabama canebrake pitcher plant (*Sarracenia rubra ssp.alabamensis*)
- C Georgia rockcress (*Arabis georgiana*)

E.1.3.27. Escambia

- E Wood stork (*Mycteria americana*)
- E Red-cockaded woodpecker (*Picoides borealis*)
- T Gulf sturgeon (*Acipenser oxyrinchus desotoi*)

E.1.3.28. Etowah

- T Flattened musk turtle (*Sternotherus depressus*)

- E..... Southern clubshell mussel (*Pleurobema decisum*)
- T..... Fine-lined pocketbook mussel (*Lampsilis altilis*)
- E..... Triangular kidneyshell mussel (*Ptychobranthus greenii*)
- E..... Southern pigtoe mussel (*Pleurobema georgianum*)
- E..... Ovate clubshell mussel (*Pleurobema perovatum*)
- C..... Rush darter (*Etheostoma phytophilum*)
- T..... Mohr's Barbara's buttons (*Marshallia mohrii*)
- E..... Green pitcher plant (*Sarracenia oreophila*)
- E..... Alabama leather flower (*Clematis socialis*)

E.1.3.29. Fayette

- T..... Orange-nacre mucket mussel (*Lampsilis perovalis*)
- E..... Dark pigtoe mussel (*Pleurobema furvum*)
- T..... Fine-lined pocketbook mussel (*Lampsilis altilis*)

E.1.3.30. Franklin

- E..... Gray bat (*Myotis grisescens*)
- C..... Slabside pearlymussel (*Lexingtonia dolabelloides*)
- E..... Cumberlandian combshell mussel (*Epioblasma brevidens*)
- T..... Lyrate bladder-pod (*Lesquerella lyrata*)
- E..... Leafy prairie clover (*Dalea foliosa*)
- E..... Tennessee yellow-eyed grass (*Xyris tennesseensis*)
- T..... Eggert's sunflower (*Helianthus eggertii*)

E.1.3.31. Geneva

- E..... Red-cockaded woodpecker (*Picoides borealis*)
- T..... Gulf sturgeon (*Acipenser oxyrinchus desotoi*)
- E..... Gentian pinkroot (*Spigelia gentianoides* var. *gentianoides*)

E.1.3.32. Greene

- E..... Wood stork (*Mycteria americana*)
- T..... Orange-nacre mucket mussel (*Lampsilis perovalis*)
- T..... Alabama moccasinshell mussel (*Medionidus acutissimus*)
- E..... Southern clubshell mussel (*Pleurobema decisum*)
- E..... Ovate clubshell mussel (*Pleurobema perovatum*)
- E..... Heavy pigtoe mussel (*Pleurobema taitianum*)
- T..... Inflated heelsplitter mussel (*Potamilus inflatus*)
- E..... Stirrup shell mussel (*Quadrula stapes*)
- E..... Mitchell's satyr butterfly (*Neonympha mitchellii mitchellii*)

E.1.3.33. Hale

- E..... Red-cockaded woodpecker (*Picoides borealis*)
- T..... Bald eagle (*Haliaeetus leucocephalus*)
- E..... Wood stork (*Mycteria americana*)
- T..... Inflated heelsplitter mussel (*Potamilus inflatus*)

E.1.3.34. Henry

- T..... Bald eagle (*Haliaeetus leucocephalus*)
 E..... Wood stork (*Mycteria americana*)
 E..... Relict trillium (*Trillium reliquum*)

E.1.3.35. Houston

- T..... Bald eagle (*Haliaeetus leucocephalus*)
 T..... Flatwoods salamander (*Ambystoma cingulatum*) (P)
 E..... Gulf moccasinshell mussel (*Medionidus penicillatus*)
 E..... Oval pigtoe mussel (*Pleurobema pyriforme*)

E.1.3.36. Jackson

- E..... Gray bat (*Myotis grisescens*)
 E..... Indiana bat (*Myotis sodalis*)
 T..... Bald eagle (*Haliaeetus leucocephalus*)
 E..... Anthony's riversnail (*Athearnia anthonyi*)
 E..... Shiny pigtoe pearly mussel (*Fusconaia cor [edgariana]*)
 E..... Pink mucket pearly mussel (*Lampsilis abrupta*)
 E..... Alabama lamp pearly mussel (*Lampsilis virescens*)
 E..... Pale lilliput pearly mussel (*Toxolasma cylindrellus*)
 E..... Fine-rayed pigtoe mussel (*Fusconaia cuneolus*)
 C..... Slabside pearly mussel (*Lexingtonia dolabelloides*)
 E..... Palezone shiner (*Notropis albizonatus*)
 E..... Green pitcher plant (*Sarracenia oreophila*)
 T..... American hart's-tongue fern (*Phyllitis scolopendrium var.americana*)
 T..... Eggert's sunflower (*Helianthus eggertii*) (P)
 T..... Price's potato-bean (*Apios priceana*)
 C..... White fringeless orchid (*Platanthera integrilabia*)
 E..... Hine's emerald dragonfly (*Somatochlora hineana*) (P)

E.1.3.37. Jefferson

- T..... Flattened musk turtle (*Sternotherus depressus*)
 C..... Black Warrior waterdog (*Necturus alabamensis*)
 E..... Plicate rocksnail (*Leptoxis plicata*)
 E..... Upland combshell mussel (*Epioblasma metastrata*)
 T..... Fine-lined pocketbook mussel (*Lampsilis altilis*)
 E..... Triangular kidneyshell mussel (*Ptychobranthus greenii*)
 T..... Orange-nacre mucket mussel (*Lampsilis perovalis*)
 E..... Watercress darter (*Etheostoma nuchale*)
 E..... Cahaba shiner (*Notropis cahabae*)
 T..... Goldline darter (*Percina aurolineata*)
 C..... Rush darter (*Etheostoma phytophilum*)
 PE..... Vermilion darter (*Etheostoma chermocki*)
 E..... Leafy prairie-clover (*Dalea foliosa*)

E.1.3.38. Lamar

- E.....Southern combshell mussel (*Epioblasma penita*)
- E.....Southern clubshell mussel (*Pleurobema decisum*)
- E.....Ovate clubshell mussel (*Pleurobema perovatum*)
- T.....Orange-nacre mucket mussel (*Lampsilis perovalis*)
- T.....Alabama moccasinshell mussel (*Medionidus acutissimus*)

E.1.3.39. Lauderdale

- E.....Gray bat (*Myotis grisescens*)
- E.....Indiana bat (*Myotis sodalis*) (P)
- T.....Bald eagle (*Haliaeetus leucocephalus*)
- E.....Anthony's riversnail (*Athearnia anthonyi*)
- E.....Ring pink mussel (*Obovaria retusa*)
- E.....Turgid blossom pearlymussel (*Epioblasma turgidula*)
- E.....Cracking pearlymussel (*Hemistena lata*)
- E.....Pink mucket pearly mussel (*Lampsilis abrupta*)
- E.....White warty-back pearly mussel (*Plethobasus cicatricosus*)
- E.....Rough pigtoe pearly mussel (*Pleurobema plenum*)
- E.....Fanshell (*Cyprogenia stegaria*)
- TCH.....Slackwater darter (*Etheostoma boschungii*)
- ECH.....Alabama cavefish (*Speoplatyrhinus poulsoni*)
- E.....Spotfin chub (*Cyprinella [=Hybopsis] monacha*)
- T.....Eggert's sunflower (*Helianthus eggertii*) (P)
- C.....Fleshyfruit gladececross (*Leavenworthia crassa*)
- C.....Georgia rockcress (*Arabis georgiana*)

E.1.3.40. Lawrence

- E.....Gray bat (*Myotis grisescens*)
- E.....Indiana bat (*Myotis sodalis*)
- E.....Red-cockaded woodpecker (*Picoides borealis*)
- T.....Bald eagle (*Haliaeetus leucocephalus*)
- E.....Pink mucket pearly mussel (*Lampsilis abrupta*)
- T.....Alabama moccasinshell mussel (*Medionidus acutissimus*)
- T.....Fine-lined pocketbook mussel (*Lampsilis altilis*)
- T.....Orange-nacre mucket mussel (*Lampsilis perovalis*)
- E.....Dark pigtoe mussel (*Pleurobema furvum*)
- E.....Triangular kidneyshell mussel (*Ptychobranthus greenii*)
- E.....Rough pigtoe mussel (*Pleurobema plenum*)
- E.....Leafy prairie clover (*Dalea foliosa*)
- T.....Lyrate bladder-pod (*Lesquerella lyrata*)
- T.....Eggert's sunflower (*Helianthus eggertii*) (P)
- C.....Fleshyfruit gladececross (*Leavenworthia crassa*)

E.1.3.41. Lee

- E.....Ovate clubshell mussel (*Pleurobema perovatum*)
- T.....Purple bankclimber (*Eliptoideus sloatianus*)
- E.....Southern clubshell mussel (*Pleurobema decisum*)

- T Fine-lined pocketbook mussel (*Lampsilis altilis*)
 E Relict trillium (*Trillium reliquum*)

E.1.3.42. Limestone

- E Gray bat (*Myotis grisescens*)
 E Indiana bat (*Myotis sodalis*) (P)
 E Anthony's riversnail (*Athearnia anthonyi*)
 E Slender campeloma snail (*Campeloma decampi*)
 E Armored snail (*Pyrgulopsis pachyta*)
 E Pink mucket pearly mussel (*Lampsilis abrupta*)
 E Rough pigtoe mussel (*Pleurobema plenum*)
 E Cumberland monkeyface mussel (*Quadrula intermedia*)
 E Cracking pearlymussel (*Hemistena lata*)
 E Ring pink mussel (*Obovaria retusa*)
 T Slackwater darter (*Etheostoma boschungii*)
 E Boulder darter (*Etheostoma wapiti*)
 T Eggert's sunflower (*Helianthus eggertii*) (P)

E.1.3.43. Lowndes

- E Wood stork (*Mycteria americana*)
 T Bald eagle (*Haliaeetus leucocephalus*)
 E Alabama sturgeon (*Scaphirhynchus suttkusi*)

E.1.3.44. Macon

- E Red-cockaded woodpecker (*Picoides borealis*)
 E Wood stork (*Mycteria americana*)
 E Southern clubshell mussel (*Pleurobema decisum*)
 E Ovate clubshell mussel (*Pleurobema perovatum*)
 T Fine-lined pocketbook mussel (*Lampsilis altilis*)

E.1.3.45. Madison

- E Gray bat (*Myotis grisescens*)
 E Slender campeloma snail (*Campeloma decampi*)
 E Pink mucket pearly mussel (*Lampsilis abrupta*)
 E Shiny pigtoe pearly mussel (*Fusconaia cor [edgariana]*)
 E Fine-rayed pigtoe mussel (*Fusconaia cuneolus*)
 E Rough pigtoe mussel (*Pleurobema plenum*)
 C Slabside pearlymussel (*Lexingtonia dolabelloides*)
 E Alabama cave shrimp (*Palaemonias alabamae*)
 T Slackwater darter (*Etheostoma boschungii*)
 E Snail darter (*Percina tanasi*)
 T Price's potato bean (*Apios priceana*)
 E Morefield's leather flower (*Clematis morefieldii*)
 T Eggert's sunflower (*Helianthus eggertii*) (P)

E.1.3.46. Marengo

- T Bald eagle (*Haliaeetus leucocephalus*)
 T Inflated heelsplitter mussel (*Potamilus inflatus*)

E.1.3.47. Marion

- T Orange-nacre mucket mussel (*Lampsilis perovalis*)
 E Southern combshell mussel (*Epioblasma penita*)
 C White fringeless orchid (*Platanthera integrilabia*)

E.1.3.48. Marshall

- E Gray bat (*Myotis grisescens*)
 E Indiana bat (*Myotis sodalis*)
 E Red-cockaded woodpecker (*Picoides borealis*)
 T Bald eagle (*Haliaeetus leucocephalus*)
 T Flattened musk turtle (*Sternotherus depressus*)
 E Pink mucket pearly mussel (*Lampsilis abrupta*)
 E Shiny pigtoe pearly mussel (*Fusconaia cor [edgariana]*)
 E Fine-rayed pigtoe mussel (*Fusconaia cuneolus*)
 E Orange-footed pimpleback mussel (*Plethobasus cooperianus*)
 C Slabside pearly mussel (*Lexingtonia dolabellodes*)
 E Rough pigtoe mussel (*Pleurobema plenum*)
 E Snail darter (*Percina tanasi*)
 T Price's potato bean (*Apios priceana*)
 E Green pitcher plant (*Sarracenia oreophila*)
 T Egbert's sunflower (*Helianthus eggertii*) (P)

E.1.3.49. Mobile

- E West Indian manatee (*Trichechus manatus*)
 T Piping plover (*Charadrius melodus*)
 E Red-cockaded woodpecker (*Picoides borealis*)
 E Least tern (*Sterna antillarum*)
 T Bald eagle (*Haliaeetus leucocephalus*)
 T Eastern indigo snake (*Drymarchon corais couperi*)
 C Black pine snake (*Pituophis melanoleucus lodingi*)
 T Gopher tortoise (*Gopherus polyphemus*)
 E Alabama red-bellied turtle (*Pseudemys alabamensis*)
 T Loggerhead sea turtle (*Caretta caretta*)
 E Kemp's Ridley sea turtle (*Lepidochelys kempii*) (P)
 T Green sea turtle (*Chelonia mydas*) (P)
 T Flatwoods salamander (*Ambystoma cingulatum*) (P)
 T Gulf sturgeon (*Acipenser oxyrinchus desotoi*)
 E Louisiana quillwort (*Isoetes louisianensis*) (P)

E.1.3.50. Monroe

- E Gray bat (*Myotis grisescens*)
 T Red hills salamander (*Phaeognathus hubrichti*)

- E..... Heavy pigtoe mussel (*Pleurobema taitianum*)
- C..... Alabama pearlshell (*Margaritifera marrianae*)
- T..... Gulf sturgeon (*Acipenser oxyrinchus desotoi*)
- E..... Alabama sturgeon (*Scaphirhynchus suttkusi*)
- E..... Louisiana quillwort (*Isoetes louisianensis*)

E.1.3.51. Montgomery

- E..... Wood stork (*Mycteria americana*)
- T..... Bald eagle (*Haliaeetus leucocephalus*)

E.1.3.52. Morgan

- E..... Gray bat (*Myotis grisescens*)
- E..... Indiana bat (*Myotis sodalis*)
- E..... Pink mucket pearly mussel (*Lampsilis abrupta*)
- E..... Ring pink mussel (*Obovaria retusa*)
- E..... Rough pigtoe mussel (*Pleurobema plenum*)
- E..... Leafy prairie-clover (*Dalea foliosa*)
- T..... American hart's-tongue fern (*Asplenium scolopendrium var.americana*)
- T..... Eggert's sunflower (*Helianthus eggertii*) (P)
- C..... Fleshyfruit gladebush (*Leavenworthia crassa*)

E.1.3.53. Perry

- T..... Bald eagle (*Haliaeetus leucocephalus*)
- E..... Red-cockaded woodpecker (*Picoides borealis*)
- E..... Ovate clubshell (*Pleurobema perovatum*)
- E..... Cahaba shiner (*Notropis cahabae*)

E.1.3.54. Pickens

- E..... Red-cockaded woodpecker (*Picoides borealis*)
- T..... Bald eagle (*Haliaeetus leucocephalus*)
- T..... Orange-nacre mucket mussel (*Lampsilis perovalis*)
- T..... Alabama moccasinshell mussel (*Medionidus acutissimus*)
- E..... Flat pigtoe (*Pleurobema marshallii*)
- T..... Inflated heelsplitter (*Potamilus inflatus*)
- E..... Southern clubshell mussel (*Pleurobema decisum*)
- E..... Ovate clubshell mussel (*Pleurobema perovatum*)
- E..... Heavy pigtoe mussel (*Pleurobema taitianum*)
- E..... Stirrup shell mussel (*Quadrula stapes*)

E.1.3.55. Pike

No listed species.

E.1.3.56. Randolph

- T..... Bald eagle (*Haliaeetus leucocephalus*)
- T..... Little amphianthus (*Amphianthus pusillus*)

E.1.3.57. Russell

- E.....Red-cockaded woodpecker (*Picoides borealis*)
- E.....Shiny-rayed pocketbook mussel (*Lampsilis subangulata*)
- C.....Georgia rockcress (*Arabis georgiana*)

E.1.3.58. Shelby

- E.....Gray bat (*Myotis grisescens*)
- E.....Indiana bat (*Myotis sodalists*)
- T.....Bald eagle (*Haliaeetus leucocephalus*)
- T.....Painted rocksnail (*Leptoxis taeniata*)
- E.....Cylindrical lioplax (snail) (*Lioplax cyclostomaformis*)
- E.....Tulotoma snail (*Tulotoma magnifica*)
- E.....Flat pebblesnail (*Lepyrium showalteri*)
- T.....Round rocksnail (*Leptoxis ampla*)
- E.....Southern clubshell mussel (*Pleurobema decisum*)
- E.....Triangular kidneyshell mussel (*Ptychobranthus greenii*)
- E.....Southern acornshell mussel (*Epioblasma othcaloogensis*) (P)
- T.....Fine-lined pocketbook mussel (*Lampsilis altilis*)
- T.....Orange-nacre mucket mussel (*Lampsilis perovalis*)
- T.....Alabama moccasinshell mussel (*Medionidus acutissimus*)
- E.....Cahaba shiner (*Notropis cahabae*)
- T.....Goldline darter (*Percina aurolineata*)

E.1.3.59. St. Clair

- E.....Tulotoma snail (*Tulotoma magnifica*)
- E.....Southern acornshell mussel (*Epioblasma othcaloogensis*)
- E.....Triangular kidneyshell mussel (*Ptychobranthus greenii*)
- E.....Southern pigtoe mussel (*Pleurobema georgianum*)
- T.....Fine-lined pocketbook mussel (*Lampsilis altilis*)
- E.....Upland combshell mussel (*Epioblasma metastriata*)
- E.....Southern clubshell mussel (*Pleurobema decisum*)
- E.....Ovate clubshell (*Pleurobema perovatum*)
- E.....Alabama leather flower (*Clematis socialis*)

E.1.3.60. Sumter

- E.....Wood stork (*Mycteria americana*)
- T.....Bald eagle (*Haliaeetus leucocephalus*)
- T.....Gopher tortoise (*Gopherus polyphemus*)
- E.....Ovate clubshell mussel (*Pleurobema perovatum*)
- T.....Inflated heelsplitter mussel (*Potamilus inflatus*)
- E.....Stirrup shell mussel (*Quadrula stapes*)
- E.....Heavy pigtoe mussel (*Pleurobema taitianum*)

E.1.3.61. Talladega

- E.....Red-cockaded woodpecker (*Picoides borealis*)
- E.....Tulotoma snail (*Tulotoma magnifica*)

- T Painted rocksnail (*Leptoxis taeniata*)
 T Lacy elimia (snail) (*Elimia crenatella*)
 T Fine-lined pocketbook mussel (*Lampsilis altilis*)
 E Coosa moccasinshell mussel (*Medionidus parvulus*)
 E Southern pigtoe mussel (*Pleurobema georgianum*)
 E Southern clubshell (*Pleurobema decisum*)
 E Triangular kidneyshell (*Ptychobranthus greenii*)

E.1.3.62. Tallapoosa

- E Red-cockaded woodpecker (*Picoides borealis*)
 T Bald eagle (*Haliaeetus leucocephalus*)
 T Fine-lined pocketbook mussel (*Lampsilis altilis*)

E.1.3.63. Tuscaloosa

- E Red-cockaded woodpecker (*Picoides borealis*)
 E Wood stork (*Mycteria americana*)
 T Bald eagle (*Haliaeetus leucocephalus*)
 T Flattened musk turtle (*Sternotherus depressus*)
 C Black Warrior waterdog (*Necturus alabamensis*)
 E Southern clubshell mussel (*Pleurobema decisum*)
 E Dark pigtoe mussel (*Pleurobema furvum*)
 E Ovate clubshell mussel (*Pleurobema perovatum*)
 T Alabama moccasinshell mussel (*Medionidus acutissimus*)
 T Inflated heelsplitter mussel (*Potamilus inflatus*)
 T Fine-lined pocketbook mussel (*Lampsilis altilis*)
 T Orange-nacre mucket mussel (*Lampsilis perovalis*)
 C White fringeless orchid (*Platanthera integrilabia*)
 E Mitchell's satyr butterfly (*Neonympha mitchellii mitchellii*)

E.1.3.64. Walker

- T Flattened musk turtle (*Sternotherus depressus*)
 C Black Warrior waterdog (*Necturus alabamensis*)
 E Ovate clubshell mussel (*Pleurobema perovatum*)
 E Triangular kidneyshell mussel (*Ptychobranthus greenii*)
 T Fine-lined pocketbook mussel (*Lampsilis altilis*)
 T Mohr's Barbara's buttons (*Marshallia mohrii*)

E.1.3.65. Washington

- E Wood stork (*Mycteria americana*)
 T Gopher tortoise (*Gopherus polyphemus*)
 C Black pine snake (*Pituophis melanoleucus lodingi*)
 T Inflated heelsplitter mussel (*Potamilus inflatus*)
 T Gulf sturgeon (*Acipenser oxyrinchus desotoi*)
 E Louisiana quillwort (*Isoetes louisianensis*) (P)

E.1.3.66. Wilcox

- T.....Bald eagle (*Haliaeetus leucocephalus*)
 E.....Wood stork (*Mycteria americana*) (P)
 C.....Alabama pearlshell (*Margaritifera marrianae*)
 E.....Heavy pigtoe mussel (*Pleurobema taitianum*) (P)
 T.....Gulf sturgeon (*Acipenser oxyrinchus desotoi*)
 E.....Alabama sturgeon (*Scaphirhynchus suttkusi*)
 C.....Georgia rockcress (*Arabis georgiana*)

E.1.3.67. Winston

- E.....Red-cockaded woodpecker (*Picoides borealis*)
 T.....Flattened musk turtle (*Sternotherus depressus*)
 C.....Black Warrior waterdog (*Necturus alabamensis*)
 T.....Orange-nacre mucket mussel (*Lampsilis perovalis*)
 T.....Alabama moccasinshell mussel (*Medionidus acutissimus*)
 E.....Coosa moccasinshell mussel (*Medionidus parvulus*)
 E.....Dark pigtoe mussel (*Pleurobema furvum*)
 E.....Triangular kidneyshell mussel (*Ptychobranthus greenii*)
 T.....Fine-lined pocketbook mussel (*Lampsilis altilis*)
 E.....Ovate clubshell mussel (*Pleurobema perovatium*)
 C.....Rush darter (*Etheostoma phytophilum*)
 T.....Kral's water-plantain (*Sagittaria secundifolia*)
 T.....Alabama streak-sorus fern (*Thelypteris pilosa* var. *alabamensis*)
 C.....White fringeless orchid (*Platanthera integrilabia*)

E.1.4. Federally Protected Species in Mississippi By County

The following sections present the occurrence of Federally protected species in Alabama by county. However, Bald eagle is proposed to be delisted and Critical Habitat is proposed for Piping Plover on barrier islands and in certain areas of coastal counties. Species in the following sections are coded as follows:

- E Endangered Species
- T Threatened Species
- C Candidate Species
- CH Critical Habitat Designated
- (P) Historical Record and/or Possible Occurrence in County
- PE Proposed Endangered
- PT Proposed Threatened

E.1.4.1. Statewide

E.....Fat pocketbook (*Potamilus capax*) has been found in the lower Mississippi River and may occur in side channels.

E.1.4.2. Adams

- T.....Louisiana black bear (*Ursus americanus luteolus*)
 T.....Bald eagle (*Haliaeetus leucocephalus*)

E.....Pallid sturgeon (*Scaphirhynchus albus*) (P)

E.1.4.3. Amite

T.....Louisiana black bear (*Ursus a. luteolus*)

E.....Red-cockaded woodpecker (*Picoides borealis*)

E.1.4.4. Attala

T.....Louisiana black bear (*Ursus a. luteolus*)

E.1.4.5. Bolivar

E.....Least tern (*Sterna antillarum*)

T.....Bald eagle (*Haliaeetus leucocephalus*)

E.....Pallid sturgeon (*Scaphirhynchus albus*) (P)

E.....Pondberry (*Lindera melissifolia*)

E.1.4.6. Chickasaw

T.....Price's potato bean (*Apios priceana*) (P)

E.1.4.7. Claiborne

T.....Louisiana black bear (*Ursus a. luteolus*)

T.....Bayou darter (*Etheostoma rubrum*)

E.....Pallid sturgeon (*Scaphirhynchus albus*) (P)

E.1.4.8. Clarke

T.....Louisiana black bear (*Ursus a. luteolus*) (P)

T.....Yellow-blotched map turtle (*Graptemys flavimaculata*)

E.1.4.9. Clay

T.....Price's potato bean (*Apios priceana*)

E.1.4.10. Coahoma

E.....Least tern (*Sterna antillarum*)

E.....Pallid sturgeon (*Scaphirhynchus albus*) (P)

E.1.4.11. Covich

T.....Louisiana black bear (*Ursus a. luteolus*)

T.....Ringed map turtle (*Graptemys oculifera*)

T.....Bayou darter (*Etheostoma rubrum*)

T.....Gulf sturgeon (*Acipenser oxyrhynchus desotoi*)

E.1.4.12. Covington

- T.....Louisiana black bear (*Ursus a. luteolus*) (P)
T.....Gopher tortoise (*Gopherus polyphemus*)

E.1.4.13. DeSoto

- E.....Least tern (*Sterna antillarum*)
E.....Pallid sturgeon (*Scaphirhynchus albus*) (P)

E.1.4.14. Forrest

- T.....Louisiana black bear (*Ursus a. luteolus*)
E.....Red-cockaded woodpecker (*Picoides borealis*)
T.....Gopher tortoise (*Gopherus polyphemus*)
T.....Yellow-blotched map turtle (*Graptemys flavimaculata*)
T.....Eastern indigo snake (*Drymarchon corais couperi*) (P)
C.....Black pine snake (*Pituophis melanoleucus ssp. lodingi*)
C.....Pearl darter (*Percina aurora*) Pascagoula River System
E.....Louisiana quillwort (*Isoetes louisianensis*)

E.1.4.15. Franklin

- T.....Louisiana black bear (*Ursus a. luteolus*)
E.....Red-cockaded woodpecker (*Picoides borealis*)

E.1.4.16. George

- T.....Louisiana black bear (*Ursus a. luteolus*)
E.....Red-cockaded woodpecker (*Picoides borealis*)
T.....Gopher tortoise (*Gopherus polyphemus*)
T.....Yellow-blotched map turtle (*Graptemys flavimaculata*)
T.....Eastern indigo snake (*Drymarchon corais couperi*) (P)
C.....Black pine snake (*Pituophis melanoleucus ssp. lodingi*)
C.....Pearl darter (*Percina aurora*) Pascagoula River System
T.....Gulf sturgeon (*Acipenser oxyrhynchus desotoi*)
E.....Louisiana quillwort (*Isoetes louisianensis*) (P)

E.1.4.17. Greene

- T.....Louisiana black bear (*Ursus a. luteolus*)
E.....Red-cockaded woodpecker (*Picoides borealis*)
T.....Gopher tortoise (*Gopherus polyphemus*)
T.....Yellow-blotched map turtle (*Graptemys flavimaculata*)
T.....Eastern indigo snake (*Drymarchon corais couperi*) (P)
T.....Gulf sturgeon (*Acipenser oxyrhynchus desotoi*)
E.....Louisiana quillwort (*Isoetes louisianensis*)

E.1.4.18. Grenada

- T.....Bald eagle (*Haliaeetus leucocephalus*)

E.1.4.19. Hancock

T Louisiana black bear (*Ursus a. luteolus*)
 E Brown pelican (*Pelecanus occidentalis*)
 T Piping Plover (*Charadrius melodus*)
 T Bald eagle (*Haliaeetus leucocephalus*)
 T Gopher tortoise (*Gopherus polyphemus*)
 E Kemp's Ridley (*Lepidochelys kempii*)
 T Green turtle (*Chelonia mydas*) (P)
 T Loggerhead turtle (*Caretta caretta*)
 T Inflated heelsplitter (*Potamilus inflatus*)
 T Gulf sturgeon (*Acipenser oxyrhynchus desotoi*)
 E Louisiana quillwort (*Isoetes louisianensis*) (P)

E.1.4.20. Harrison

T Louisiana black bear (*Ursus a. luteolus*)
 T Bald eagle (*Haliaeetus leucocephalus*)
 E Brown pelican (*Pelecanus occidentalis*)
 T Gopher tortoise (*Gopherus polyphemus*)
 T Piping Plover (*Charadrius melodus*)
 C Black pine snake (*Pituophis melanoleucus ssp. lodingi*)
 E Kemp's Ridley (*Lepidochelys kempii*)
 T Green turtle (*Chelonia mydas*) (P)
 T Loggerhead turtle (*Caretta caretta*)
 PE Mississippi gopher frog (proposal under review)
 T Gulf sturgeon (*Acipenser oxyrhynchus desotoi*)
 E Louisiana quillwort (*Isoetes louisianensis*)

E.1.4.21. Hinds

T Louisiana black bear (*Ursus a. luteolus*) (P)
 T Ringed map turtle (*Graptemys oculifera*)
 T Gulf sturgeon (*Acipenser oxyrhynchus desotoi*)
 T Bayou darter (*Etheostoma rubrum*)

E.1.4.22. Holmes

T Louisiana black bear (*Ursus a. luteolus*) (P)

E.1.4.23. Humphreys

T Louisiana black bear (*Ursus a. luteolus*) (P)

E.1.4.24. Issaquena

T Louisiana black bear (*Ursus a. luteolus*)
 E Least tern (*Sterna antillarum*)
 E Pallid sturgeon (*Scaphirhynchus albus*) (P)

E.1.4.25. Itawamba

- T..... Bald eagle (*Haliaeetus leucocephalus*)
 E..... Black clubshell (Curtus' mussel) (*Pleurobema curtum*)
 E..... Southern combshell (Penitent shell mussel) (*Epioblasma penita*)
 E..... Heavy Pigtoe (Judge Tait's mussel) (*Pleurobema taitianum*)
 E..... Southern clubshell (*Pleurobema decisum*)
 T..... Orange-nacre mucket (*Lampsilis perovalis*)
 E..... Ovate clubshell (*Pleurobema perovatum*)

E.1.4.26. Jackson

- T..... Louisiana black bear (*Ursus a. luteolus*)
 E..... Brown pelican (*Pelecanus occidentalis*)
 E..... Red-cockaded woodpecker (*Picoides borealis*)
 E..... Mississippi sandhill crane (*Grus canadensis pulla*) (CH)
 T..... Gopher tortoise (*Gopherus polyphemus*)
 T..... Yellow-blotched map turtle (*Graptemys flavimaculata*)
 T..... Eastern indigo snake (*Drymarchon corais couperi*) (P)
 T..... Piping Plover (*Charadrius melodus*)
 T..... Bald eagle (*Haliaeetus leucocephalus*)
 E..... Kemp's Ridley (*Lepidochelys kempii*)
 T..... Loggerhead turtle (*Caretta caretta*)
 C..... Pearl darter (*Percina aurora*) Pascagoula River System
 T..... Gulf sturgeon (*Acipenser oxyrhynchus desotoi*)
 E..... Louisiana quillwort (*Isoetes louisianensis*)

E.1.4.27. Jasper

- T..... Louisiana black bear (*Ursus a. luteolus*) (P)
 E..... Red-cockaded woodpecker (*Picoides borealis*)

E.1.4.28. Jefferson

- T..... Louisiana black bear (*Ursus a. luteolus*)
 E..... Fat pocketbook mussel (*Potamilus capax*)
 E..... Pallid sturgeon (*Scaphirhynchus albus*) (P)

E.1.4.29. Jefferson Davis

- T..... Louisiana black bear (*Ursus a. luteolus*) (P)

E.1.4.30. Jones

- T..... Louisiana black bear (*Ursus a. luteolus*) (P)
 E..... Red-cockaded woodpecker (*Picoides borealis*)
 C..... Black pine snake (*Pituophis melanoleucus ssp. lodingi*)
 T..... Eastern indigo snake (*Drymarchon corais couperi*) (P)
 T..... Gopher tortoise (*Gopherus polyphemus*)
 T..... Yellow-blotched map turtle (*Graptemys flavimaculata*)
 C..... Pearl darter (*Percina aurora*) Pascagoula River System

E.....Louisiana quillwort (*Isoetes louisianensis*)

E.1.4.31. Kemper

T.....Price's potato bean (*Apios priceana*)

E.1.5. Lafayette

T.....Bald eagle (*Haliaeetus leucocephalus*)

E.1.5.1. Lamar

T.....Louisiana black bear (*Ursus a. luteolus*) (P)

T.....Gopher tortoise (*Gopherus polyphemus*)

E.1.5.2. Lauderdale

T.....Louisiana black bear (*Ursus a. luteolus*) (P)

T.....Bald eagle (*Haliaeetus leucocephalus*)

E.1.5.3. Lawrence

T.....Louisiana black bear (*Ursus a. luteolus*)

T.....Ringed map turtle (*Graptemys oculifera*)

T.....Gulf sturgeon (*Acipenser oxyrhynchus desotoi*)

E.1.5.4. Leake

T.....Louisiana black bear (*Ursus a. luteolus*) (P)

T.....Ringed map turtle (*Graptemys oculifera*)

E.1.5.5. Lee

T.....Price's potato bean (*Apios priceana*)

E.1.5.6. Lowndes

E.....Heavy Pigtoe (Judge Tait's mussel) (*Pleurobema taitianum*)

E.....Southern combshell (Penitent shell mussel) (*Pleurobema penita*)

T.....Louisiana black bear (*Ursus a. luteolus*)

T.....Alabama moccasinshell (*Medionidus acutissimus*)

E.....Southern clubshell (*Pleurobema decisum*)

T.....Orange-nacre mucket (*Lampsilis perovalis*)

T.....Ovate clubshell (*Pleurobema perovatum*)

E.1.5.7. Madison

T.....Louisiana black bear (*Ursus a. luteolus*) (P)

T.....Bald eagle (*Haliaeetus leucocephalus*)

T.....Ringed map turtle (*Graptemys oculifera*)

E.1.5.8. Marion

- T.....Louisiana black bear (*Ursus a. luteolus*)
- T.....Ringed map turtle (*Graptemys oculifera*)
- T.....Gopher tortoise (*Gopherus polyphemus*)
- T.....Eastern indigo snake (*Drymarchon corais couperi*)
- C.....Black pine snake (*Pituophis melanoleucus ssp. lodingi*)
- T.....Gulf sturgeon (*Acipenser oxyrhynchus desotoi*)

E.1.5.9. Monroe

- T.....Bald eagle (*Haliaeetus leucocephalus*)
- E.....Black combshell (Curtus' mussel) (*Pleurobema curtum*)
- E.....Southern combshell (Penitent shell mussel) (*Epioblasma penita*)
- E.....Heavy Pigtoe (Judge Tait's mussel) (*Pleurobema taitianum*)
- E.....Southern clubshell (*Pleurobema decisum*)
- T.....Orange-nacre mucket (*Lampsilis perovalis*)
- T.....Alabama moccasinshell (*Medionidus acutissimus*)
- E.....Ovate clubshell (*Pleurobema perovatum*)

E.1.5.10. Neshoba

- T.....Louisiana black bear (*Ursus a. luteolus*) (P)
- T.....Ringed map turtle (*Graptemys oculifera*)

E.1.5.11. Newton

- T.....Louisiana black bear (*Ursus a. luteolus*) (P)

E.1.5.12. Noxubee

- E.....Red-cockaded woodpecker (*Picoides borealis*)
- T.....Bald eagle (*Haliaeetus leucocephalus*)

E.1.5.13. Oktibbeha

- E.....Red-cockaded woodpecker (*Picoides borealis*)
- T.....Bald eagle (*Haliaeetus leucocephalus*)
- T.....Price's potato bean (*Apios priceana*)

E.1.5.14. Panola

- T.....Bald eagle (*Haliaeetus leucocephalus*)

E.1.5.15. Pearl River

- T.....Louisiana black bear (*Ursus a. luteolus*)
- C.....Black pine snake (*Pituophis melanoleucus ssp. lodingi*)
- T.....Ringed map turtle (*Graptemys oculifera*)
- T.....Gopher tortoise (*Gopherus polyphemus*)
- T.....Inflated heelsplitter (*Potamilus inflatus*)

- T Gulf sturgeon (*Acipenser oxyrhynchus desotoi*)
 E Louisiana quillwort (*Isoetes louisianensis*) (P)

E.1.5.16. Perry

- T Louisiana black bear (*Ursus a. luteolus*)
 E Gray bat (*Myotis grisescens*) (P)
 E Red-cockaded woodpecker (*Picoides borealis*)
 T Gopher tortoise (*Gopherus polyphemus*)
 T Yellow-blotched map turtle (*Graptemys favimaculata*)
 T Eastern indigo snake (*Drymarchon corais couperi*) (P)
 C Black pine snake (*Pituophis melanoleucus ssp. lodingi*)
 C Camp Shelby burrowing crayfish (*Fallicambarus gordonii*)
 C Pearl darter (*Percina aurora*) Pascagoula River System
 E Louisiana quillwort (*Isoetes louisianensis*)

E.1.5.17. Pike

- T Louisiana black bear (*Ursus a. luteolus*) (P)

E.1.5.18. Rankin

- T Louisiana black bear (*Ursus a. luteolus*) (P)
 T Bald eagle (*Haliaeetus leucocephalus*)
 T Ringed sawback turtle (*Graptemys oculifera*)
 T Gulf sturgeon (*Acipenser oxyrhynchus desotoi*)

E.1.5.19. Scott

- T Louisiana black bear (*Ursus a. luteolus*) (P)
 E Red-cockaded woodpecker (*Picoides borealis*)
 T Ringed map turtle (*Graptemys oculifera*)

E.1.5.20. Sharkey

- T Louisiana black bear (*Ursus a. luteolus*) (P)
 E Pondberry (*Lindera melissifolia*)
 E Pallid sturgeon (*Scaphirhynchus albus*)

E.1.5.21. Simpson

- T Louisiana black bear (*Ursus a. luteolus*) (P)
 T Ringed map turtle (*Graptemys oculiferi*)
 T Gulf sturgeon (*Acipenser oxyrhynchus desotoi*)

E.1.5.22. Smith

- T Louisiana black bear (*Ursus a. luteolus*) (P)
 E Red-cockaded woodpecker (*Picoides borealis*)

E.1.5.23. Stone

- T.....Louisiana black bear (*Ursus a. luteolus*)
- E.....Red-cockaded woodpecker (*Picoides borealis*)
- C.....Black pine snake (*Pituophis melanoleucus ssp. lodingi*)
- T.....Eastern indigo snake (*Drymarchon corais couperi*) (P)
- T.....Gopher tortoise (*Gopherus polyphemus*)
- T.....Yellow-blotched map turtle (*Graptemys flavimaculata*)
- E.....Louisiana quillwort (*Isoetes louisianensis*)

E.1.5.24. Sunflower

- T.....Bald eagle (*Haliaeetus leucocephalus*)
- E.....Pondberry (*Lindera melissifolia*)

E.1.5.25. Tallahatchie

- T.....Bald eagle (*Haliaeetus leucocephalus*)
- E.....Pondberry (*Lindera melissifolia*)

E.1.5.26. Tate

- T.....Bald eagle (*Haliaeetus leucocephalus*)

E.1.5.27. Tishomingo

- E.....Gray bat (*Myotis grisescens*)
- E.....Indiana bat (*Myotis sodalis*)
- T.....Bald eagle (*Haliaeetus leucocephalus*)

E.1.5.28. Tunica

- E.....Least tern (*Sterna antillarum*)
- T.....Bald eagle (*Haliaeetus leucocephalus*)
- E.....Pallid sturgeon (*Scaphirhynchus albus*) (P)

E.1.5.29. Walthall

- T.....Louisiana black bear (*Ursus a. luteolus*) (P)

E.1.5.30. Warren

- T.....Louisiana black bear (*Ursus a. luteolus*)
- T.....Bald eagle (*Haliaeetus leucocephalus*)
- E.....Least tern (*Sterna antillarum*)
- E.....Pallid sturgeon (*Scaphirhynchus albus*) (P)

E.1.5.31. Washington

- T.....Louisiana black bear (*Ursus a. luteolus*)
- E.....Least tern (*Sterna antillarum*)

- T Bald eagle (*Haliaeetus leucocephalus*)
 E Pallid sturgeon (*Scaphirhynchus albus*) (P)

E.1.5.32. Wayne

- T Louisiana black bear (*Ursus a. luteolus*) (P)
 E Gray bat (*Myotis grisescens*)
 E Red-cockaded woodpecker (*Picoides borealis*)
 T Eastern indigo snake (*Drymarchon corais couperi*) (P)
 C Black pine snake (*Pituophis melanoleucus ssp. lodingi*)
 T Gopher tortoise (*Gopherus polyphemus*)
 T Yellowblotched map turtle (*Graptemys flavimaculata*)
 E Louisiana quillwort (*Isoetes louisianensis*)

E.1.5.33. Wilkinson

- T Louisiana black bear (*Ursus a. luteolus*)
 T Bald eagle (*Haliaeetus leucocephalus*)
 E Red-cockaded woodpecker (*Picoides borealis*)
 E Pallid sturgeon (*Scaphirhynchus albus*) (P)

E.1.6. Winston

- E Red-cockaded woodpecker (*Picoides borealis*)
 T Bald eagle (*Haliaeetus leucocephalus*)

E.1.6.1. Yalobusha

- T Bald eagle (*Haliaeetus leucocephalus*)
 E Red-cockaded woodpecker (*Picoides borealis*)

E.1.6.2. Yazoo

- T Louisiana black bear (*Ursus a. luteolus*)
 T Bald eagle (*Haliaeetus leucocephalus*)
 E Pallid sturgeon (*Scaphirhynchus albus*) (P)

E.2. S1 AND S2 SPECIES

The following species are listed by the Natural Heritage Programs of Alabama and Mississippi as State imperiled species. The Heritage ranking system was developed by The Nature Conservancy. The State ranked species are species of concern and will be managed by the BLM to prevent any further reduction in species numbers or critical habitat loss. An S1 species as defined by The Nature Conservancy is “critically imperiled in the state because of extreme rarity (5 or fewer occurrences of very few remaining individuals or acres) or because of some factor(s) making it especially vulnerable to extirpation from the state.” An S2 species as defined by The Nature Conservancy is “imperiled in the state because of rarity (6 to 20 occurrences or few remaining individuals or acres) or because of some factor(s) making it very vulnerable to extirpation from Alabama.”

E.2.1. S1 and S2 Species in Alabama

E.2.1.1. Mammals

- S2 Black bear (*Ursus americanus*)
- S2 Rafinesque’s big-eared bat (*Corynorhinus rafinesquii*)
- S1 Northern yellow bat (*Lasiurus intermedius*)
- S2 Southeastern myotis (*Myotis austroriparius*)
- S2 Gray bat (*Myotis grisescens*)
- S1 Eastern small-footed myotis (*Myotis leibii*)
- S2 Northern myotis (*Myotis septentrionalis*)
- S2 Indiana bat (*Myotis sodalis*)
- S1 Appalachian cottontail (*Sylvilagus obscurus*)
- S1 Alabama beach mouse (*Peromyscus polionotus ammobates*)
- S1 Perdido key beach mouse (*Peromyscus polionotus trissyllepsis*)
- S2 West Indian manatee (*Trichechus manatus*)

E.2.1.2. Birds

Due to the migratory nature of birds, additional ranking systems from The Nature Conservancy are applied here. “SB are regularly occurring migratory and present only during the breeding season.” “SN are regularly occurring, usually migratory and typically non-breeding species in the state; this category includes migratory birds, bats, sea turtles, and cetaceans which do not breed in the state but pass through twice a year or may remain in winter.”

- S1BS2N . Southeastern snowy plover (*Charadrius alexandrinus tenuirostris*)
- S1N Piping plover (*Charadrius melodus*)
- S1 Wilson’s plover (*Charadrius wilsonia*)
- S2N Long-billed curlew (*Numenius americanus*)
- S2N Wood stork (*Mycteria americana*)
- S2N Groove-billed ani (*Crotophaga sulcirostris*)
- S2 Swallow-tailed kite (*Elanoides forficatus*)
- S1 Ruffed grouse (*Bonasa umbellus*)
- S1 Appalachian Bewick’s wren (*Thryomanes bewickii altus*)
- S1 Bewick’s wren (*Thryomanes bewickii bewickii*)
- S2 Red-cockaded woodpecker (*Picoides borealis*)

E.2.1.3. Reptiles

- S2 Mimic glass lizard (*Ophisaurus mimicus*)
- S1 Eastern indigo snake (*Drymarchon couperi*)
- S1S2 Prairie kingsnake (*Lampropeltis calligaster calligaster*)
- S2 Red milk snake (*Lampropeltis triangulum sypila*)
- S2 Eastern milk snake (*Lampropeltis triangulum triangulum*)
- S2 Gulf salt marsh snake (*Nerodia clarkii clarkia*)
- S2 Green water snake (*Nerodia cyclopion*)
- S2 Florida green water snake (*Nerodia floridana*)
- S2 Black pine snake (*Pituophis melanoleucus lodingi*)
- S2 Florida pine snake (*Pituophis melanoleucus mugitus*)
- S2 Pine woods snake (*Rhadinaea flavilata*)
- S2 Black swamp snake (*Seminatrix pygaea*)

- S1 Loggerhead sea turtle (*Caretta caretta*)
 S1 Green sea turtle (*Chelonia mydas*)
 S2 Barbour's map turtle (*Graptemys barbouri*)
 S2 Escambia map turtle (*Graptemys ernsti*)
 S2 Delta map turtle (*Graptemys nigrinoda delticola*)
 S2 Mississippi diamondback terrapin (*Malaclemys terrapin pileata*)
 S1 Alabama redbelly turtle (*Pseudemys alabamensis*)
 S1 Razorback musk turtle (*Sternotherus carinatus*)
 S2 Flattened musk turtle (*Sternotherus depressus*)
 S2 Gopher tortoise (*Gopherus polyphemus*)
 S2 Florida softshell (*Apalone ferox*)

E.2.1.4. Amphibians

- S2 Pine barrens treefrog (*Hyla andersonii*)
 S1 Little grass frog (*Pseudacris ocularis*)
 S2 Gopher frog (*Rana capito*)
 S1 River frog (*Rana heckscheri*)
 S2 Wood frog (*Rana sylvatica*)
 S1 Flatwoods salamander (*Ambystoma cingulatum*)
 S1 One-toed amphiuma (*Amphiuma pholeter*)
 S2 Hellbender (*Cryptobranchus alleganiensis*)
 S2 Seepage salamander (*Desmognathus aeneus*)
 S2 Southern dusky salamander (*Desmognathus auriculatus*)
 S2 Mountain dusky salamander (*Desmognathus ocoee*)
 S2 Pale salamander (*Gyrinophilus palleucus palleucus*)
 S2 Red Hills salamander (*Phaeognathus hubrichti*)
 S2 Black warrior waterdog (*Necturus alabamensis*)

E.2.1.5. Snails

- S1 Slender campiloma (*Campeloma decampi*)
 S1 Cylindrical lioplax (*Lioplax cyclostomaformis*)
 S1 Alabama livebearing snail (*Tulotoma magnifica*)
 S2 Hood ancyliid (*Ferrissia mcneili*)
 S1 Domed ancyliid (*Rhodacme elatior*)
 S2 Knobby ancyliid (*Rhodacme hinkleyi*)
 S1 Manitou snail (*Antrorbis breweri*)
 S1 Cahaba pebblesnail (*Clappia cahabensis*)
 S1 Flat pebblesnail (*Lepyrium showalteri*)
 S1 Angled marstonia (*Marstonia angulobasis*)
 S1 Coosa pyrg (*Marstonia hershleri*)
 S1 Armored marstonia (*Marstonia pachyta*)
 S1 Moss pyrg (*Marstonia scalariformis*)
 S2 Teardrop snail (*Rhapinema dacryon*)
 S1 Anthony's river snail (*Athearnia anthonyi*)
 S1 Acute elimia (*Elimia acuta*)
 S1 Mud elimia (*Elimia alabamensis*)
 S1 Ample elimia (*Elimia ampla*)
 S1 Lilyshoals elimia (*Elimia annettae*)
 S1 Princess elimia (*Elimia bellacrenata*)

- S1 Walnut elimia (*Elimia bellula*)
 S2 Rusty elimia (*Elimia bentoniensis*)
 S1 Brooch elimia (*Elimia broccata*)
 S1S2 A freshwater snail (*Elimia bullula*)
 S2 Prune elimia (*Elimia chiltonensis*)
 S1 Cockle elimia (*Elimia cochliaris*)
 S1 Hispid elimia (*Elimia comma*)
 S1 Lacey elimia (*Elimia crenatella*)
 S1 Graphite elimia (*Elimia curvicostata*)
 S2 Cylinder elimia (*Elimia cylindracea*)
 S2 Fire elimia (*Elimia exusta*)
 S2 Gladiator elimia (*Elimia hydei*)
 S2 Sowwater elimia (*Elimia interveniens*)
 S1 Teardrop elimia (*Elimia lachryma*)
 S2 Panel elimia (*Elimia laqueata*)
 S1 Black mudalia (*Elimia melanoides*)
 S1 Latticed elimia (*Elimia mihalcikae*)
 S2 Oak elimia (*Elimia mutabilis*)
 S1 Round-rib elimia (*Elimia nassula*)
 S1 Caper elimia (*Elimia olivula*)
 S1 Engraved elimia (*Elimia perstriata*)
 S2 Spring elimia (*Elimia pybasi*)
 S1 Compact elimia (*Elimia showalteri*)
 S1 Auger elimia (*Elimia teretria*)
 S1 Creek elimia (*Elimia ucheensis*)
 S1 Cobble elimia (*Elimia vanuxemiana*)
 S1 Puzzle elimia (*Elimia varians*)
 S1 Squat elimia (*Elimia variata*)
 S2 Round rocksnail (*Leptoxis ampla*)
 S1 Spotted rocksnail (*Leptoxis picta*)
 S1 Plicate rocksnail (*Leptoxis plicata*)
 S1 Painted rocksnail (*Leptoxis taeniata*)
 S1 Armored rocksnail (*Lithasia armigera*)
 S1 Knobby rocksnail (*Lithasia curta*)
 S1 Ornate rocksnail (*Lithasia geniculata*)
 S1 Rustic rocksnail (*Lithasia salebroso*)
 S2 Rugged hornsnail (*Pleurocera alveare*)
 S2 Spiral hornsnail (*Pleurocera brumbyi*)
 S1 Corpulent hornsnail (*Pleurocera corpulenta*)
 S1S2 Shortspire hornsnail (*Pleurocera curta*)
 S1 Rough hornsnail (*Pleurocera foremani*)
 S2 Noble hornsnail (*Pleurocera nobilis*)
 S2 Broken hornsnail (*Pleurocera postelli*)
 S2 Skirted hornsnail (*Pleurocera pyrenella*)
 S2 Upland hornsnail (*Pleurocera showalteri*)
 S2 Sulcate hornsnail (*Pleurocera trochiformis*)
 S2 Brook hornsnail (*Pleurocera vestita*)

E.2.1.6. Mussels

- S1 Spectaclecase (*Cumberlandia monodonta*)

- S1 Alabama pearlshell (*Margaritifera marriana*)
 S2 A mucket (*Actinonaias ligamentina*)
 S1 Pheasantshell (*Actinonaias pectorosa*)
 S1 Southern elktoe (*Alasmidonta triangulata*)
 S1 Slippershell mussel (*Alasmidonta viridis*)
 S1 Apalachicola floater (*Anodonta heardi*)
 S1S2 Rayed creekshell (*Anodontoides radiatus*)
 S1 Fanshell (*Cyprogenia stegaria*)
 S2 Alabama spike (*Elliptio arca*)
 S2 Delicate spike (*Elliptio arctata*)
 S1 Spike (*Elliptio dilatata*)
 S2 Fluted elephant-ear (*Elliptio mcmichaeli*)
 S1 Inflated spike (*Elliptio purpurella*)
 S1 Purple bankclimber (*Elliptioideus sloatianus*)
 S1 Cumberlandian combshell (*Epioblasma brevidens*)
 S1 Southern combshell (*Epioblasma penita*)
 S1 Snuffbox (*Epioblasma triquetra*)
 S1 Tennessee pigtoe (*Fusconaia barnesiana*)
 S2 Shiny pigtoe (*Fusconaia cor*)
 S1 Fine-rayed pigtoe (*Fusconaia cuneolus*)
 S2 Narrow pigtoe (*Fusconaia escambia*)
 S1S2 Wabash pigtoe (*Fusconaia flava*)
 S1 Round ebonyshell (*Fusconaia rotulata*)
 S1 Long-solid (*Fusconaia subrotunda*)
 S2 Fine-lined pocketbook (*Hamiota altilis*)
 S1S2 Southern sandshell (*Hamiota australis*)
 S2 Orange-nacre mucket (*Hamiota perovalis*)
 S1 Shiny-rayed pocketbook (*Hamiota subangulata*)
 S1 Pink mucket (*Lampsilis abrupta*)
 S1S2 Wavy-rayed lampmussel (*Lampsilis fasciola*)
 S2 Louisiana fatmucket (*Lampsilis hydiana*)
 S2 Rough fatmucket (*Lampsilis straminea straminea*)
 S1 Alabama lampmussel (*Lampsilis virescens*)
 S2 Fluted-shell (*Lasmigona costata*)
 S1S2 Tennessee heelsplitter (*Lasmigona holstonia*)
 S1 Slabside pearlymussel (*Lexingtonia dolabelloides*)
 S2 Black sandshell (*Ligumia recta*)
 S1 Alabama moccasinshell (*Medionidus acutissimus*)
 S1 Cumberland moccasinshell (*Medionidus conradicus*)
 S1S2 Gulf moccasinshell (*Medionidus penicillatus*)
 S1S2 Southern hickorynut (*Obovaria jacksoniana*)
 S1 Ring pink (*Obovaria retusa*)
 S2 Round hickorynut (*Obovaria subrotunda*)
 S2 Alabama hickorynut (*Obovaria unicolor*)
 S1 White wartyback (*Plethobasus cicatricosus*)
 S1 Orange-foot pimpleback (*Plethobasus cooperianus*)
 S1 Sheepnose (*Plethobasus cyphus*)
 S1 Painted clubshell (*Pleurobema chattanoogaense*)
 S2 Ohio pigtoe (*Pleurobema cordatum*)
 S2 Southern clubshell (*Pleurobema decisum*)
 S1 Dark pigtoe (*Pleurobema furvum*)

- S1 Southern pigtoe (*Pleurobema georgianum*)
 S1 Tennessee clubshell (*Pleurobema oviforme*)
 S1 Ovate clubshell (*Pleurobema perovatum*)
 S1 Rough pigtoe (*Pleurobema plenum*)
 S1 Oval pigtoe (*Pleurobema pyriforme*)
 S1 Warrior pigtoe (*Pleurobema rubellum*)
 S1 Pyramid pigtoe (*Pleurobema rubrum*)
 S1 Round pigtoe (*Pleurobema sintoxia*)
 S2 Fuzzy pigtoe (*Pleurobema strodeanum*)
 S1 Heavy pigtoe (*Pleurobema taitianum*)
 S1 Inflated heelsplitter (*Potamilus inflatus*)
 S1 Kidneyshell (*Ptychobranhus fasciolaris*)
 S1 Triangular kidneyshell (*Ptychobranhus greenii*)
 S1 Southern kidneyshell (*Ptychobranhus jonesi*)
 S1 Rabbitsfoot (*Quadrula cylindrica cylindrica*)
 S1S2 Wartyback (*Quadrula nodulata*)
 S1 Tapered pigtoe (*Quadrula burkei*)
 S1 Sculptured pigtoe (*Quincuncina infucata*)
 S2 Alabama creekmussel (*Strophitus connasaugansis*)
 S2 Southern creekmussel (*Strophitus subvexus*)
 S1 Squawfoot (*Strophitus undulatus*)
 S1 Southern lilliput (*Toxolasma corvunculus*)
 S1 Pale lilliput (*Toxolasma cylindrellus*)
 S2 Purple lilliput (*Toxolasma lividus*)
 S2 Iridescent lilliput (*Toxolasma paulus*)
 S1 Deertoe (*Truncilla truncata*)
 S2 Florida floater (*Utterbackia peggyae*)
 S2 Choctaw bean (*Villosa choctawensis*)
 S2 Coosa creekshell (*Villosa vanuxemensis umbrans*)

E.2.1.7. Crustaceans

- S1 Alabama cave shrimp (*Palaemonias alabamae*)
 S1 Tuscombria cave shrimp (*Palaemonias sp.1*)
 S2 A crayfish (*Cambarus acanthura*)
 S1 A crayfish (*Cambarus cracens*)
 S2 A crayfish (*Cambarus hamulatus*)
 S2 Alabama cave crayfish (*Cambarus jonesi*)
 S2 A crayfish (*Cambarus ludovicanus*)
 S2 A crayfish (*Cambarus manningi*)
 S2 Rusty grave digger (*Cambarus miltus*)
 S2 A crayfish (*Cambarus unestami*)
 S1 White Spring Cave crayfish (*Cambarus veitchorum*)
 S1 Speckled burrowing crayfish (*Fallicambarus danielae*)
 S1 A crayfish (*Orconectes cooperi*)
 S1 A crayfish (*Orconectes lancifer*)
 S1 A crayfish (*Orconectes sheltie*)

E.2.1.8. Fish

- S1 Gulf sturgeon (*Acipenser oxyrinchus desotoi*)

S1	Alabama sturgeon (<i>Scaphirhynchus suttkusi</i>)
S2	Alabama shad (<i>Alosa alabamae</i>)
S2	River carpsucker (<i>Carpionodes carpio</i>)
S2	Silver redhorse (<i>Moxostoma anisurum</i>)
S2	Apalachicola redhorse (<i>Moxostoma sp. cf. poecilurum</i>)
S2	Bluefin stoneroller (<i>Campostoma pauciradii</i>)
S1	Blue shiner (<i>Cyprinella caerulea</i>)
S2	Bluestripe shiner (<i>Cyprinella callitaenia</i>)
S1	Streamline chub (<i>Erimystax dissimilis</i>)
S2	Blotched chub (<i>Erimystax insignis</i>)
S1	Warpaint shiner (<i>Luxilus coccogenis</i>)
S2	Ribbon shiner (<i>Lythrurus fumeus</i>)
S2	Cherryfin shiner (<i>Lythrurus roseipinnis</i>)
S2	River chub (<i>Nocomis micropogon</i>)
S1	Palezone shiner (<i>Notropis albizonatus</i>)
S2	Popeye shiner (<i>Notropis ariommus</i>)
S2	Bigeye shiner (<i>Notropis boops</i>)
S2	Ghost shiner (<i>Notropis buechanani</i>)
S2	Cahaba shiner (<i>Notropis cahabae</i>)
S1	Ironcolor shiner (<i>Notropis chalybaeus</i>)
S2	Dusky shiner (<i>Notropis cummingsae</i>)
S2	Highscale shiner (<i>Notropis hypsilepis</i>)
S1	Tennessee shiner (<i>Notropis leuciodus</i>)
S2	Highland shiner (<i>Notropis micropteryx</i>)
S2	Coastal shiner (<i>Notropis petersoni</i>)
S1	Silver shiner (<i>Notropis photogenis</i>)
S2	Sawfin shiner (<i>Notropis sp cf. spectrunculus</i>)
S1	Sand shiner (<i>Notropis stramineus</i>)
S2	Skygazer shiner (<i>Notropis uranoscopus</i>)
S1	Channel shiner (<i>Notropis wickliffi</i>)
S1	Suckermouth minnow (<i>Phenacobius mirabilis</i>)
S1	Stargazing minnow (<i>Phenacobius uranops</i>)
S2	Broadstripe shiner (<i>Pteronotropis eurizonus</i>)
S2	Bluenose shiner (<i>Pteronotropis welaka</i>)
S2	Banded topminnow (<i>Fundulus auroguttatus</i>)
S2	Stippled studfish (<i>Fundulus bifax</i>)
S2	Lowland topminnow (<i>Fundulus blairae</i>)
S2	Starhead topminnow (<i>Fundulus dispar</i>)
S1	Saltmarsh topminnow (<i>Fundulus jenkinsi</i>)
S1	Pygmy killifish (<i>Leptolucania ommata</i>)
S1	Bluefin killifish (<i>Lucania goodei</i>)
S2	Alligator gar (<i>Atractosteus spatula</i>)
S1	Banded sunfish (<i>Enneacanthus obesus</i>)
S2	Shoal bass (<i>Micropterus cataractae</i>)
S1	Spring pygmy sunfish (<i>Elassoma alabamae</i>)
S1	Scaly sand darter (<i>Ammocrypta vivax</i>)
S2	Warrior darter (<i>Etheostoma bellator</i>)
S1	Blenny darter (<i>Etheostoma blennioides</i>)
S1	Slackwater darter (<i>Etheostoma boschungii</i>)
S1	Holiday darter (<i>Etheostoma brevirostrum</i>)
S1	Bluebreast darter (<i>Etheostoma camurum</i>)

- S1 Vermilion darter (*Etheostoma chermocki*)
 S2 Lipstick darter (*Etheostoma chuckwachatte*)
 S2 Crown darter (*Etheostoma corona*)
 S1 Fringed darter (*Etheostoma crossopterum*)
 S1 Coldwater darter (*Etheostoma ditrema*)
 S2 Tuskaloosa darter (*Etheostoma douglasi*)
 S1 Brighteye darter (*Etheostoma lynceum*)
 S1 Lollipop darter (*Etheostoma neopterum*)
 S1 Watercress darter (*Etheostoma nuchale*)
 S1 Rush darter (*Etheostoma phytophilum*)
 S1 Upper Coosa darter nr. (*E. ditrema*2 *Etheostoma sp 1*)
 S1 Lower Coosa darter nr. (*E. ditrema*2 *Etheostoma sp 3*)
 S2 Sipsey darter (*Etheostoma sp. cf. bellator*)
 S2 Tuscumbia darter (*Etheostoma tuscumbia*)
 S1 Boulder darter (*Etheostoma wapiti*)
 S2 Banded darter (*Etheostoma zonale*)
 S1 Bandfin darter (*Etheostoma zonistium*)
 S2 Yellow perch (*Perca flavescens*)
 S1 Goldline darter (*Percina aurolineata*)
 S2 Southern logperch (*Percina austroperca*)
 S2 Coal darter (*Percina brevicauda*)
 S1 Blotchside darter (*Percina burtoni*)
 S2 Gilt darter (*Percina evides*)
 S1 Slenderhead darter (*Percina phoxocephala*)
 S2 Muscadine darter (*Percina sp cf. macrocephala*)
 S1 Warrior bridled darter (*Percina sp cf. macrocephala*)
 S1 Snail darter (*Percina tanasi*)
 S1 Alabama cavefish (*Speoplatyrhinus poulsoni*)
 S2 Mottled sculpin (*Cottus bairdi*)
 S1 Pygmy sculpin (*Cottus paulus*)
 S2 Spotted bullhead (*Ameiurus serracanthus*)
 S1 Mountain madtom (*Noturus eleutherus*)
 S1 Highlands stonecat (*Noturus sp. cf. flavus*)
 S1 Brindled madtom (*Noturus miurus*)
 S2 Frecklebelly madtom (*Noturus munitus*)
 S2 Chestnut lamprey (*Ichthyomyzon castaneus*)
 S1 Mountain brook lamprey (*Ichthyomyzon greeleyi*)
 S1 American brook lamprey (*Lampetra appendix*)

E.2.1.9. Plants

- S1 Dwarf burhead (*Echinodorus parvulus*)
 S2 Slender arrow-head (*Sagittaria isoetiformis*)
 S1 Little River arrow-head (*Sagittaria secundifolia*)
 S1 Sweetflag (*Acorus calamus*)
 S2 Spoon flower (*Peltandra sagittifolia*)
 S1 Kral's yellow-eyed grass (*Xyris longisepala*)
 S1S2 Harper's yellow-eyed grass (*Xyris scabrifolia*)
 S1 Acid-swamp yellow-eyed grass (*Xyris serotina*)
 S1 Tennessee yellow-eyed grass (*Xyris tennesseensis*)
 S1 A sedge (*Carex acidicola*)

- S1 Glomerate sedge (*Carex aggregata*)
 S1 Baltzell's sedge (*Carex baltzellii*)
 S1 Bryson's sedge (*Carex brysonii*)
 S1 Cypress-knee sedge (*Carex decomposita*)
 S2 Ebony sedge (*Carex eburnea*)
 S1 Coast sedge (*Carex exilis*)
 S1 Godfrey's sedge (*Carex godfreyi*)
 S1 Impressed-nerved sedge (*Carex impressinervia*)
 S2 Purple sedge (*Carex purpurifera*)
 S1 Walter's sedge (*Carex striata*)
 S1 A sedge (*Carex thornei*)
 S1 Velvety sedge (*Carex vestita*)
 S1 Twig rush (*Cladium mariscoides*)
 S2 Granite-loving flatsedge (*Cyperus granitophilus*)
 S1 Black-fruited spike-rush (*Eleocharis melanocarpa*)
 S1 Capitata spikerush (*Eleocharis olivacea*)
 S1 Robbins' spikerush (*Eleocharis robbinsii*)
 S1 Beaked spikerush (*Eleocharis rostellata*)
 S1 Wolf s spikerush (*Eleocharis wolfii*)
 S1 Glade fimbriatylis (*Fimbristylis brevivaginata*)
 S1 Horned beakrush (*Rhynchospora capillacea*)
 S1 Hairy-peduncled beakrush (*Rhynchospora crinipes*)
 S1 Harper beakrush (*Rhynchospora harperi*)
 S1 Southern white beak rush (*Rhynchospora macra*)
 S1 Brown beakrush (*Rhynchospora pleiantha*)
 S1 Stone Mountain beakrush (*Rhynchospora saxicola*)
 S2 Chapman beakrush (*Rhynchospora stenophylla*)
 S1 Thorne s beakrush (*Rhynchospora thornei*)
 S1 Tracys beak rush (*Rhynchospora tracyi*)
 S1 Blue maiden-cane (*Amphicarpum muehlenbergianum*)
 S1 Pine-woods bluestem (*Andropogon arctatus*)
 S2 Beardgrass (*Andropogon capillipes*)
 S1 Beardgrass (*Andropogon gyrans* var. *stenophyllus*)
 S1 Southern three-awned grass (*Aristida simpliciflora*)
 S1 Cumberland sandgrass (*Calamovilfa arcuata*)
 S1 Shiny spikegrass (*Chasmanthium nitidum*)
 S1 Florida jointgrass (*Coelorachis tuberculosa*)
 S2 American beakgrain (*Diarrhena americana*)
 S1 Brazilian luziola (*Luziola bahiensis*)
 S1 Three-flower melic grass (*Melica nitens*)
 S1 Cliff muhly (*Muhlenbergia sobolifera*)
 S1 Swallen's panic-grass (*Panicum lithophilum*)
 S2 Naked-stemmed panic grass (*Panicum nudicaule*)
 S1 Gulf bluestem (*Schizachyrium maritimum*)
 S1 Pineland dropseed (*Sporobolus curtissii*)
 S1 Wire-leaved dropseed (*Sporobolus teretifolius*)
 S1 Carolina fluff grass (*Tridens carolinianus*)
 S2 Narrow pipewort (*Eriocaulon lineare*)
 S2 Texas pipewort (*Eriocaulon texense*)
 S2 Pineland bogbutton (*Lachnocaulon digynum*)
 S1 Broad waterweed (*Elodea canadensis*)

- S1 Georgia rush (*Juncus georgianus*)
 S2 Naked-fruited rush (*Juncus gymnocarpus*)
 S1 Stout rush (*Juncus nodatus*)
 S1 Prairie pleatleaf (*Nemastylis geminiflora*)
 S2 Little River Canyon onion (*Allium speculae*)
 S1 Wild leek (*Allium tricoccum*)
 S1S2 White trout lily (*Erythronium albidum*)
 S2 Shoals spider-lily (*Hymenocallis coronaria*)
 S2 Canada lily (*Lilium canadense*)
 S1 Panhandle lily (*Lilium iridollae*)
 S1 Michigan lily (*Lilium michiganense*)
 S2 Turks-cap lily (*Lilium superbum*)
 S1 Broadleaf bunchflower (*Melanthium latifolium*)
 S1S2 Small-flowered false hellebore (*Melanthium parviflorum*)
 S1 Wood s false hellebore (*Melanthium woodii*)
 S1S2 Rush false-asphodel (*Pleea tenuifolia*)
 S1 Spotted mandarin (*Prosartes maculate*)
 S2 Yellow sunnycbell (*Schoenolirion croceum*)
 S1 Texas sunnycbell (*Schoenolirion wrightii*)
 S1 Large-flowered trillium (*Trillium grandiflorum*)
 S2 Alabama least trillium (*Trillium pusillum* var. *1*)
 S2 Prairie trillium (*Trillium recurvatum*)
 S2 Relict trillium (*Trillium reliquum*)
 S2 Toadshade (*Trillium sessile*)
 S1 Southern red trillium (*Trillium sulcatum*)
 S1 Florida bellwort (*Uvularia floridana*)
 S1 Turkeybeard (*Xerophyllum asphodeloides*)
 S1 Crow-poison (*Zigadenus leimanthoides*)
 S2 Croomia (*Croomia pauciflora*)
 S1 Thread-like naiad (*Najas gracillima*)
 S1 Florida pondweed (*Potamogeton floridanus*)
 S2 Bluethreads (*Burmannia capitata*)
 S2 Puttyroot (*Aplectrum hyemale*)
 S1 Bearded grass-pink (*Calopogon barbatus*)
 S1 Many-flowered grass-pink (*Calopogon multiflorus*)
 S1 Oklahoma grass-pink (*Calopogon oklahomensis*)
 S2 Spring coralroot (*Corallorhiza wisteriana*)
 S1 Small white lady s-slipper (*Cypripedium candidum*)
 S1 Southern lady s-slipper (*Cypripedium kentuckiense*)
 S2 Green-fly orchid (*Epidendrum conopseum*)
 S1 Michauxs orchid (*Habenaria quinqueseta* var. *quinqueseta*)
 S2 Large whorled pogonia (*Isotria verticillata*)
 S1 Lily-leaved twayblade (*Liparis liliifolia*)
 S1S2 Large white fringed orchid (*Platanthera blephariglottis* var. *conspicua*)
 S2 Yellow fringeless orchid (*Platanthera integra*)
 S2 White fringeless orchid (*Platanthera integrilabia*)
 S2 Green-fringed orchid (*Platanthera lacera*)
 S1 Purple fringeless orchid (*Platanthera peramoena*)
 S2 Shadow-witch orchid (*Ponthieva racemosa*)
 S1 Crestless eulophia (*Pteroglossaspis ecristata*)
 S1 Giant spiral ladies-tresses (*Spiranthes longilabris*)

- S1 Shining ladies-tresses (*Spiranthes lucida*)
 S1 Golden canna (*Canna flaccida*)
 S1 Carolina lilaeopsis (*Lilaeopsis carolinensis*)
 S1 Eastern bishop-weed (*Ptilimnium costatum*)
 S1 Harperella (*Ptilimnium nodosum*)
 S1 Florida water-parsnip (*Sium floridanum*)
 S1 American spikenard (*Aralia racemosa*)
 S2 Harper's wild ginger (*Hexastylis shuttleworthii* var. *harperi*)
 S2 Harper's heartleaf (*Hexastylis speciosa*)
 S1 Variable-leaved Indian plantain (*Arnoglossum diversifolium*)
 S1 Nodding beggar-ticks (*Bidens cernua*)
 S2 Flyr's brickell-bush (*Brickellia cordifolia*)
 S1 Godfrey's golden-aster (*Chrysopsis godfreyi*)
 S1 Swamp thistle (*Cirsium muticum*)
 S2 Southeastern tickseed (*Coreopsis gladiata*)
 S2 Tickseed (*Coreopsis grandiflora* var. *inclinata*)
 S1 Georgia tickseed (*Coreopsis nudata*)
 S2 Woodland tickseed (*Coreopsis pulchra*)
 S2 Pale-purple coneflower (*Echinacea pallida*)
 S1 Wavy-leaf purple coneflower (*Echinacea simulata*)
 S2 Coyote-thistle aster (*Eurybia eryngiifolia*)
 S2 Showy aster (*Eurybia specatabilis*)
 S1 Creeping aster (*Eurybia surculosus*)
 S1 Little leaf sneezeweed (*Helenium brevifolium*)
 S2 Spring sneezeweed (*Helenium vernale*)
 S1 Eggert's sunflower (*Helianthus eggertii*)
 S1S2 Longleaf sunflower (*Helianthus longifolius*)
 S2 Confederate daisy (*Helianthus porteri*)
 S2 Smith's sunflower (*Helianthus smithii*)
 S1 Whorled sunflower (*Helianthus verticillatus*)
 S1 Small-headed marsh-elder (*Iva microcephala*)
 S1 Mountain dwarf dandelion (*Krigia montana*)
 S2 Slender blazing-star (*Liatris cylindracea*)
 S1 A liatris (*Liatris oligocephala*)
 S1 Pineland false sunflower (*Phoebanthus tenuifolius*)
 S1 Coastal-Plain golden-aster (*Pityopsis oligantha*)
 S1 Golden aster (*Pityopsis pinifolia*)
 S1S2 Barbed rattlesnake-root (*Prenanthes barbata*)
 S1 Eared coneflower (*Rudbeckia auriculata*)
 S2 Sun-facing coneflower (*Rudbeckia heliopsidis*)
 S1 Soft-hair coneflower (*Rudbeckia mollis*)
 S2 Cumberland rosinweed (*Silphium brachiatum*)
 S1 Rosinweed (*Silphium glutinosum*)
 S1 Mohr's rosinweed (*Silphium mohrii*)
 S1 Rosinweed (*Silphium perplexum*)
 S1 Prairie-dock (*Silphium pinnatifidum*)
 S1 A goldenrod (*Solidago arenicola*)
 S1 Heath aster (*Symphyotrichum ericoides*)
 S2 Smooth blue aster (*Symphyotrichum laeve* var. *concinnum*)
 S1 Sky blue aster (*Symphyotrichum oolentangiense* var. *oolentangiense*)
 S1 Barrens silky aster (*Symphyotrichum pretense*)

- S1 Western silvery aster (*Symphotrichum sericeum*)
 S1S2 Boydin’s lobelia (*Lobelia boykinii*)
 S1 Georgia rock-cress (*Arabis georgiana*)
 S1 Lake cress (*Armoracia lacustris*)
 S1 Wedge-leaf Whitflow-grass (*Draba cuneifolia*)
 S2 Alabama glade-cress (*Leavenworthia alabamica*)
 S1 Fleshy-fruit glade cress (*Leavenworthia crassa*)
 S1 Pasture glade-cress (*Leavenworthia exigua* var. *lutea*)
 S2 Michaux leavenworthia (*Leavenworthia uniflora*)
 S1 Duck river bladderpod (*Lesquerella densipila*)
 S1 Lyrate bladderpod (*Lesquerella lyrata*)
 S1 Sessile-leaved warea (*Warea sessilifolia*)
 S1 Slenderleaf clammy-weed (*Polanisia tenuifolia*)
 S2 Alabama sandwort (*Minuartia alabamensis*)
 S1 Coastal plain nailwort (*Paronychia herniarioides*)
 S2 Yellow nailwort (*Paronychia virginica*)
 S1S2 Sherry’s catchfly (*Silene caroliniana* ssp. *wherryi*)
 S2 Ovate catchfly (*Silene ovata*)
 S1S2 Roundleaf catchfly (*Silene rotundifolia*)
 S1 Chickweed (*Stellaria corei*)
 S2 Pale umbrella-wort (*Mirabilis albida*)
 S1 Carolina spring beauty (*Claytonia caroliniana*)
 S2 Limestone fame-flower (*Talinum calcaricum*)
 S1 Small-flowered flame-flower (*Talinum parviflorum*)
 S1 Quill fameflower (*Talinum teretifolium*)
 S2 Serviceberry holly (*Ilex amelanchier*)
 S2 Climbing bittersweet (*Celastrus scandens*)
 S2 Mountain bush-honeysuckle (*Diervilla rivularis*)
 S1 Yellowleaf tinker’s-weed (*Triosteum angustifolium*)
 S1 Limerock arrowwood (*Viburnum bracteatum*)
 S1 Small-leaf viburnum (*Viburnum obovatum*)
 S1 Valerian (*Valeriana pauciflora*)
 S1 Swamp buckthorn (*Sideroxylon thornei*)
 S2 Silverbell (*Halesia tetraptera* var. *tetraptera*)
 S1 Mountain pepper-bush (*Clethra acuminata*)
 S2 Hairy laurel (*Kalmia hirsute*)
 S2 Climbing fetter-bush (*Pieris phillyreifolia*)
 S2 Cumberland rhododendron (*Rhododendron cumberlandense*)
 S2 Carolina rhododendron (*Rhododendron minus*)
 S1 Sweet pinesap (*Monotropsis odorata* var. *odorata*)
 S1 Elliott’s croton (*Croton elliotii*)
 S1 Florida pine spurge (*Euphorbia inundata*)
 S1 Water toothleaf (*Stillingia aquatica*)
 S2 Price s potato-bean (*Apios priceana*)
 S1 Canadian milkvetch (*Astragalus canadensis*)
 S1 Sandhills milk-vetch (*Astragalus michauxii*)
 S1S2 Tennessee milk-vetch (*Astragalus tennesseensis*)
 S2 Hoary milk-vetch (*Astragalus villosus*)
 S1 Blue wild indigo (*Baptisia australis*)
 S2 Apalachicola wild indigo (*Baptisia megacarpa*)
 S1 Catbells (*Baptisia perfoliata*)

- S1 Florida senna (*Chamaecrista deeringiana*)
 S2 A prairie clover (*Dalea cahaba*)
 S1 Leafy prairie clover (*Dalea foliosa*)
 S1 Creamflower tick-trefoil (*Desmodium ochroleucum*)
 S1 Smooth veiny peavine (*Lathyrus venosus*)
 S2 Nashville breadroot (*Pediomelum subacaule*)
 S1S2 Pineland hoary-pea (*Tephrosia mohrii*)
 S2 Arkansas oak (*Quercus arkansana*)
 S1 Boynton's sand post oak (*Quercus boyntonii*)
 S2 Georgia oak (*Quercus georgiana*)
 S2 Bur oak (*Quercus macrocarpa*)
 S2 Dwarf live oak (*Quercus minima*)
 S1 Oglethorpe's oak (*Quercus oglethorpensis*)
 S1 Swamp post oak (*Quercus similis*)
 S1 Stiff blue-star (*Amsonia rigida*)
 S1 Carolina milkweed (*Asclepias cinera*)
 S1 Red milkweed (*Asclepias rubra*)
 S1 Southern milkweed (*Asclepias viridula*)
 S1 Alabama anglepod (*Matelea alabamensis*)
 S1 Baldwins's milkyvine (*Matelea baldwyniana*)
 S2 Carolina gentian (*Frasera caroliniensis*)
 S1 Elliott's gentian (*Gentiana catesbaei*)
 S1 Short-leaved pink (*Sabatia brevifolia*)
 S2 Rose gentian (*Sabatia capitata*)
 S1 Narrow-leaf miterwort (*Mitreola angustifolia*)
 S1 Gentian pinkroot (*Spigelia gentianoides* var. *alabamensis*)
 S1 Gentian pinkroot (*Spigelia gentianoides* var. *gentianoides*)
 S1 Giant wood-sorrel (*Oxalis grandis*)
 S2 Piedmont water-milfoil (*Myriophyllum laxum*)
 S1 Dwarf witch-alder (*Fothergilla gardenia*)
 S2 Mountain witch-alder (*Fothergilla major*)
 S2 Bay starvine (*Schisandra glabra*)
 S2 Nutmeg hickory (*Carya myristiciformis*)
 S1 Butternut (*Juglans cinerea*)
 S2 Slabama marbleseed (*Onosmodium decipiens*)
 S2 Soft false gromwell (*Onosmodium molle* ssp. *molle*)
 S1 Yellow giant hyssop (*Agastache nepetoides*)
 S1S2 Smooth blephilia (*Blephilia subnuda*)
 S2 Large-flowered pennyroyal (*Dicerandra linearifolia*)
 S2 Drummond's pennyroyal (*Hedeoma drummondii*)
 S2 Basil bee-balm (*Monarda clinopodia*)
 S1 Virginia mountain mint (*Pycnanthemum virginianum*)
 S2 Alabama skullcap (*Scutellaria alabamensis*)
 S1 Glabrous skullcap (*Scutellaria glabriuscula*)
 S1 Rock skullcap (*Scutellaria saxatilis*)
 S1 Epling's hedgenettle (*Stachys eplingii*)
 S1 Guyandotte beauty (*Synandra hispidula*)
 S1 Pondberry (*Lindera melissifolia*)
 S1 Bog spicebush (*Lindera subcoriacea*)
 S1 Flax (*Linum macrocarpum*)
 S1 Harper's grooved-yellow flax (*Linum sulcatum* var. *harperi*)

- S1 Fraser's magnolia (*Magnolia fraseri*)
 S2 Clustered poppy-mallow (*Callirhoe alcaeoides*)
 S1 Clustered poppy-mallow (*Callirhoe triangulata*)
 S1 Brilliant hibiscus (*Hibiscus coccineus*)
 S1 Elliott's fan-petal (*Sida elliotii*)
 S1 Awned meadowbeauty (*Rhexia aristosa*)
 S1 Small-flowered meadowbeauty (*Rhexia parviflora*)
 S1 Panhandle meadowbeauty (*Rhexia salicifolia*)
 S1 Willow herb (*Epilobium coloratum*)
 S1S2 Spathulate seedbox (*Ludwigia spathulata*)
 S1 Round-leaved sundew (*Drosera rotundifolia*)
 S2 Green pitcher plant (*Sarracenia oreophila*)
 S1S2 Alabama canebrake pitcher-plant (*Sarracenia rubra* ssp. *alabamensis*)
 S1 West Florida cowlily (*Nuphar lutea* ssp. *ulvacea*)
 S2 Dutchman's breeches (*Dicentra cucullaria*)
 S1 Celandine poppy (*Stylophorum diphyllum*)
 S1 Heart-leaved plantain (*Plantago cordata*)
 S1 Crenate milkwort (*Polygala crenata*)
 S1S2 Hooker's milkwort (*Polygala hookeri*)
 S1 Seneca snakeroot (*Polygala senega* var. *latifolia*)
 S1 Harper's umbrella plant (*Eriogonum longifolium* var. *harperi*)
 S1 Southern jointweed (*Polygonella americana*)
 S1 Large-leaved jointweed (*Polygonella macrophylla*)
 S1 French's shooting star (*Dodecatheon frenchii*)
 S2 Featherfoil (*Hottonia inflata*)
 S1 Fraser's loosestrife (*Lysimachia fraseri*)
 S1 Grass-leaf loosestrife (*Lysimachia graminea*)
 S2 Twinleaf (*Jeffersonia diphylla*)
 S1 Blue monkshood (*Acontium uncinatum*)
 S1 Marianna columbine (*Aquilegia canadensis* var. *australis*)
 S1S2 Morefield's leather-flower (*Clematis morefieldii*)
 S1 Alabama leather-flower (*Clematis socialis*)
 S1 Alabama larkspur (*Delphinium alabamicum*)
 S1 Prairie larkspur (*Delphinium carolinianum* ssp. *calciphilum*)
 S2 False rue-anemone (*Enemion biternatum*)
 S2 Golden seal (*Hydrastis canadensis*)
 S1 Yellow water-crowfoot (*Tanunculus flabellaris*)
 S2 Granite gooseberry (*Ribes curvatum*)
 S1S2 Prickly gooseberry (*Ribes cynosbati*)
 S2 Incised groovebur (*Agrimonia incisa*)
 S1 Ash's hawthorn (*Crataegus ashei*)
 S2 Three-flowered hawthorn (*Crataegus triflora*)
 S1 Rough avens (*Geum laciniatum*)
 S2 Pale avens (*Geum virginianum*)
 S2 Alabama snow-wreath (*Neviusia alabamensis*)
 S1 Allegheny blackberry (*Rubus allegheniensis*)
 S1 Piedmont barren strawberry (*Waldsteinia lobata*)
 S1 Brook saxifrage (*Boykinia aconitifolia*)
 S1 Long-flower alumroot (*Heuchera longiflora*)
 S1 Miterwort (*Mitella diphylla*)
 S2 Kidneyleaf grass-of-parnassus (*Parnassia asarifolia*)

- S1 Large-leaved grass-of-parnassus (*Parnassia grandifolia*)
 S1 Torrey’s wild licorice (*Galium lanceolatum*)
 S1 Florida willow (*Salix floridana*)
 S1 Bastard-toadflax (*Comandra umbellata*)
 S2 Nestronia (*Nestronia umbellula*)
 S2 Buffalo-nut (*Pyrularia pubera*)
 S2 American smoke-tree (*Cotinus obovatus*)
 S1 Northern prickly ash (*Zanthoxylum americanum*)
 S1 Oblong-leaved dyschoriste (*Dyschoriste oblongifolia*)
 S1 Night-flowering wild-petunia (*Ruellia noctiflora*)
 S1S2 Chapman’s butterwort (*Pinguicula planifolia*)
 S1S2 Florida bladderwort (*Utricularia floridana*)
 S1S2 Swollen bladderwort (*Utricularia inflata*)
 S1 Piedmont bladderwort (*Utricularia olivacea*)
 S1S2 Northeastern bladderwort (*Utricularia resupinata*)
 S2 One-flowered broomrape (*Orobanche uniflora*)
 S2 Leafless false-foxglove (*Agalinis aphylla*)
 S1 Pineland false-foxglove (*Agalinis divaricata*)
 S2 Thin-stemmed false-foxglove (*Agalinis filicaulis*)
 S1 Georgia false-foxglove (*Agalinis georgiana*)
 S2 Prairie false-foxglove (*Agalinis heterophylla*)
 S2 Flax-leaf false-foxglove (*Agalinis linifolia*)
 S1 Ridge-stem false-foxglove (*Agalinis oligophylla*)
 S1 Shinnery false-foxglove (*Agalinis pseudophylla*)
 S1 Granite pool sprite (*Amphianthus pusillus*)
 S1 Spreading false-foxglove (*Aureolaria patula*)
 S1 Scarlet indian paintbrush (*Castilleja coccinea*)
 S2 An indian paintbrush (*Castilleja kraliana*)
 S1 Pink turtlehead (*Chelone lyonii*)
 S2 Flame flower (*Macranthera flammea*)
 S1 Many-flower beardtongue (*Penstemon multiflorus*)
 S1 Small’s beardtongue (*Penstemon smallii*)
 S1 Chaffseed (*Schwalbea americana*)
 S1 Culver’s root (*Veronicastrum virginicum*)
 S1 Creeping morning-glory (*Evolvulus sericeus* var. *sericeus*)
 S1 Water dawnflower (*Stylisma aquatica*)
 S1 Pickering’s morning-glory (*Stylisma pickeringii* var. *pickeringii*)
 S2 Harper’s dodder (*Cuscuta harperi*)
 S1S2 Phacelia (*Phacelia dubia* var. *dubia*)
 S2 Outcrop small-flower phacelia (*Phacelia dubia* var. *georgiana*)
 S1S2 Christmas berry (*Lycium carolinianum*)
 S1 Carpenter’s ground-cherry (*Physalis carpenteri*)
 S1 Horse-nettle (*Solanum carolinense* var. *hirsutum*)
 S1 Lloyd St. John s-wort (*Hypericum lloydii*)
 S2 Carolina St. John’s-wort (*Hypericum nitidum*)
 S2 Pretty St. John’s-wort (*Hypericum nudiflorum*)
 S2 Atlantic St. John’s-wort (*Hypericum reductum*)
 S1 Loblolly bay (*Gordonia lasianthus*)
 S1 Coastal-sand frostweed (*Helianthemum arenicola*)
 S2 Canada violet (*Viola canadensis*)
 S1 Eggleston’s violet (*Viola egglestonii*)

- S1 Ground juniper (*Juniperus communis*)
 S2 Sand pine (*Pinus clausa*)
 S1 Pond pine (*Pinus serotina*)

E.2.1.10. Ferns and Allies

- S2 Bradley’s spleenwort (*Asplenium bradleyi*)
 S1 Single-sorus spleenwort (*Asplenium monanthes*)
 S2 Wall rue spleenwort (*Asplenium ruta-muraria*)
 S1 American hart’s-tongue fern (*Asplenium scolopendrium var. americanum*)
 S1 Scott’s spleenwort (*Asplenium x ebenoides*)
 S2 Tennessee bladderfern (*Cystopteris tennesseensis*)
 S1 Log fern (*Dryopteris celsa*)
 S1 Southern woodfern (*Dryopteris x australis*)
 S1 Gorge filmy fern (*Hymenophyllum tayloriae*)
 S2 Dwarf filmy fern (*Trichomanes petersii*)
 S1 Hybrid cloak fern (*Astrolepis x integerrima*)
 S2 Climbing fern (*Lygodium palmatum*)
 S1 Alabama streak-sorus fern (*Thelypteris pilosa var. alabamensis*)
 S2 Hairy maiden fern (*Thelypteris quadrangularis*)
 S1 American pillwort (*Pilularia americana*)
 S1 Alabama grapefern (*Botrychium jenmanii*)
 S1 Appalachian quillwort (*Isoetes appalachiana*)
 S2 Butler s quillwort (*Isoetes butleri*)
 S1 Southern quillwort (*Isoetes flaccida*)
 S1 Louisiana quillwort (*Isoetes louisianensis*)
 S1 Blackfoot quillwort (*Isoetes melanopoda*)
 S2 Piedmont quillwort (*Isoetes piedmontana*)
 S2 Riddell’s spikemoss (*Selaginella arenicola ssp. riddellii*)
 S1S2 Gulf spike-moss (*Selaginella ludoviciana*)
 S2 Shining clubmoss (*Huperzia lucidula*)
 S1 Rock clubmoss (*Huperzia porophila*)
 S1S2 Nodding clubmoss (*Lycopodiella cernua*)
 S1 Tree clubmoss (*Lycopodium obscurum*)
 S1 Deep-root clubmoss (*Lycopodium tristachyum*)
 S1 Whiskfern (*Psilotum nudum*)
 S2 Feid horsetail (*Equisetum arvense*)

E.2.2. S1 and S2 Species in Mississippi

E.2.2.1. Mammals

- S1 Black bear (*Ursus americanus*)
 S1 Louisiana black bear (*Ursus americanus luteolus*)
 S1 Meadow jumping mouse (*Zapus hudsonius*)

E.2.2.2. Birds

Due to the migratory nature of birds, additional ranking systems from The Nature Conservancy are applied here. “SB are regularly occurring migratory and present only during the breeding season.” “SN are regularly occurring, usually migratory and typically non-breeding species in the state; this category

includes migratory birds, bats, sea turtles, and cetaceans which do not breed in the state but pass through twice a year or may remain in winter.”

- S1N Golden eagle (*Aquila chrysaetos*)
- S2B..... Swallow-tailed kite (*Elanoides forficatus*)
- S1BS2N . Bald eagle (*Haliaeetus leucocephalus*)
- S1 Mississippi sandhill crane (*Grus canadensis pulla*)
- S2N Yellow rail (*Coturnicops noveboracensis*)
- S2N Black rail (*Laterallus jamaicensis*)
- S2N American white pelican (*Pelecanus erythrorhynchos*)
- S1N Brown pelican (*Pelecanus occidentalis*)
- S1 Red-cockaded woodpecker (*Picoides borealis*)
- S1N Burrowing owl (*Athene cunicularia*)

E.2.2.3. Reptiles

- S2 Mimic glass lizard (*Ophisaurus mimicus*)
- S1 Eastern indigo snake (*Drymarchon corais couperi*)
- S2 Rainbow snake (*Farancia erytrogramma*)
- S2 Black pine snake (*Pituophis melanoleucus lodingi*)
- S1N Kemp’s or atlantic ridley (*Lepidochelys kempii*)
- S2 Yellow-blotched map turtle (*Graptemys flavimaculata*)
- S2 Black-knobbed map turtle (*Graptemys nigrinoda*)
- S2 Ringed map turtle (*Graptemys oculifera*)
- S2 Mississippi diamondback terrapin (*Malaclemys terrapin pileata*)
- S1 Mississippi redbelly turtle (*Pseudemys pop 1*)
- S2 Gopher tortoise (*Gopherus polyphemus*)

E.2.2.4. Amphibians

- S1 River frog (*Rana heckscheri*)
- S1 Dark gopher frog (*Rana sevosa*)
- S1 Tiger salamander (*Ambystoma tigrinum*)
- S1 One-toed amphiuma (*Amphiuma pholeter*)
- S1 Hellbender (*Cryptobranchus alleganiensis*)
- S1 Green salamander (*Aneides aeneus*)
- S1 Cave salamander (*Eurycea lucifuga*)
- S1 Spring salamander (*Gyrinophilus porphyriticus*)
- S1S2 Four-toed salamander (*Hemidactylium scutatum*)
- S2 Southern zigzag salamander (*Plethodon ventralis*)

E.2.2.5. Snails

- S1 Big Black Rocksnail (*Lithasia hubrichti*)

E.2.2.6. Mussels

- S1 Mucket (*Actinonaias ligamentina*)
- S2 Rayed creekshell (*Anodontoides radiatus*)
- S2 Rock pocketbook (*Arcidens confragosus*)
- S1 Purple wartyback (*Cyclonaias tuberculata*)

- S1 Delicate spike (*Elliptio arctata*)
 S1 Spike (*Elliptio dilatata*)
 S1 Cumberlandian combshell (*Epioblasma brevidens*)
 S1 Southern combshell (*Epioblasma penita*)
 S1 Snuffbox (*Epioblasma triquetra*)
 S1 Tennessee pigtoe (*Fusconaia barnesiana*)
 S1 Orange-nacre mucket (*Lampsilis perovalis*)
 S1 Slabside pearlymussel (*Lexingtonia dolabelloides*)
 S2 Black sandshell (*Ligumia recta*)
 S1 Alabama moccasinshell (*Medionidus acutissimus*)
 S2 Southern hickorynut (*Obovaria jacksoniana*)
 S2 Round hickorynut (*Obovaria subrotunda*)
 S1 Sheepnose (*Plethobasus cyphus*)
 S1S2 Southern clubshell (*Pleurobema decisum*)
 S1 Ovate clubshell (*Pleurobema perovatum*)
 S1 Pyramid pigtoe (*Pleurobema rubrum*)
 S2 Pink heelsplitter (*Potamilus alatus*)
 S1 Fat pocketbook (*Potamilus capax*)
 S1 Kidneyshell (*Ptychobranthus fasciolaris*)
 S1 Rabbitsfoot (*Quadrula cylindrica cylindrica*)
 S2 Ridged mapleleaf (*Quadrula rumphiana*)
 S1 Alabama creekmussel (*Strophitus connasaugaensis*)
 S2 Southern creekmussel (*Strophitus subvexus*)
 S2 Tapered pondhorn (*Unio merus declivis*)

E.2.2.7. Crustaceans

- S2 Least crayfish (*Cambarellus diminutus*)
 S2 A crayfish (*Cambarellus lesliei*)
 S2 A crayfish (*Cambarus girardianus*)
 S2 Burris' burrowing crayfish (*Fallicambarus burrisi*)
 S2 Speckled burrowing crayfish (*Fallicambarus danielae*)
 S1 Camp Shelby burrowing crayfish (*Fallicambarus gordonii*)
 S2 Pearl rivulet crayfish (*Hobbseus attenuatus*)
 S1 Oktibbeha rivulet crayfish (*Hobbseus orconectoides*)
 S2 Tombigbee rivulet crayfish (*Hobbseus petilus*)
 S1 Choctaw rivulet crayfish (*Hobbseus vallec ulus*)
 S2 A crayfish (*Orconectes hartfieldi*)
 S2 Jackson Prairie crayfish (*Procambarus barbiger*)
 S1 Mississippi flatwoods crayfish (*Procambarus cometes*)
 S2 Spiny-tailed crayfish (*Procambarus fitzpatricki*)
 S1 Lagniappe crayfish (*Procambarus lagniappe*)
 S2 Mobile crayfish (*Procambarus lecontei*)
 S2 Shutispear crayfish (*Procambarus lylei*)
 S1 Bearded red crayfish (*Procambarus pogum*)

E.2.2.8. Fish

- S1 Gulf sturgeon (*Acipenser oxyrinchus desotoi*)
 S1 Pallid sturgeon (*Scaphirhynchus albus*)
 S1 Alabama sturgeon (*Scaphirhynchus suttkusi*)

- S2 Broadstripe topminnow (*Fundulus euryzonus*)
 S1 Alabama shad (*Alosa alabamae*)
 S1 Silver redhorse (*Moxostoma anisurum*)
 S1 Black redhorse (*Moxostoma duquesnei*)
 S1 Shorthead redhorse (*Moxostoma macrolepidotum*)
 S2 Rosyside dace (*Clinostomus funduloides*)
 S2 Alabama shiner (*Cyprinella callistia*)
 S2 Spotfin shiner (*Cyprinella spiloptera*)
 S2 Rosefin shiner (*Lythrurus fasciolaris*)
 S1 Bigeye shiner (*Notropis boops*)
 S2 Silverside shiner (*Notropis candidus*)
 S2 Ironcolor shiner (*Notropis chalybaeus*)
 S1 Fluvial shiner (*Notropis edwardraneyi*)
 S1S2 Blackmouth shiner (*Notropis melanostomus*)
 S1 Rosyface shiner (*Notropis rubellus*)
 S1 Suckermouth minnow (*Phenacobius mirabilis*)
 S2 Southern redbelly dace (*Phoxinus erythrogaster*)
 S1 Blacknose dace (*Rhinichthys atratulus*)
 S2 Alligator gar (*Atractosteus spatula*)
 S1 Rock bass (*Ambloplites rupestris*)
 S1 Western sand darter (*Ammocrypta clara*)
 S1 Crystal darter (*Crystallaria asprella*)
 S1 Black darter (*Etheostoma duryi*)
 S2 Fantail darter (*Etheostoma flabellare*)
 S2 Stripetail darter (*Etheostoma kennicotti*)
 S2 Blackfin darter (*Etheostoma nigripinne*)
 S2 Yazoo darter (*Etheostoma raneyi*)
 S1 Bayou darter (*Etheostoma rubrum*)
 S2 Redline darter (*Etheostoma rufilineatum*)
 S1 Backwater darter (*Etheostoma zonifer*)
 S2 Bandfin darter (*Etheostoma zonistium*)
 S1 Pearl darter (*Percina aurora*)
 S1 Gilt darter (*Percina evides*)
 S2 Freckled darter (*Percina lenticula*)
 S1 Slenderhead darter (*Percina phoxocephala*)
 S1 Banded sculpin (*Cottus carolinae*)
 S1 Slender madtom (*Noturus exilis*)
 S2 Frecklebelly madtom (*Noturus munitus*)
 S1 Northern madtom (*Noturus stigmosus*)

E.2.2.9. Plants

- S2 Atlantic white cedar (*Chamaecyparis thyoides*)
 S2 Southern red cedar (*Juniperus silicicola*)
 S1 Sand pine (*Pinus clausa*)
 S2 Virginia pine (*Pinus virginiana*)
 S2 San antonio false-foxglove (*Agalinis homalantha*)
 S2 Shinners' false-foxglove (*Agalinis pseudaphylla*)
 S1 Pale false foxglove (*Agalinis skinneriana*)
 S1S2 Wood anemone (*Anemone quinquefolia*)
 S1 Price's potato bean (*Apios priceana*)

- S1S2..... Wild columbine (*Aquilegia canadensis*)
 S1 Spreading rockcress (*Arabis patens*)
 S1S2..... Lake cress (*Armoracia aquatica*)
 S2 Prairie milkweed (*Asclepias hirtella*)
 S1 Purple milkweed (*Asclepias purpurascens*)
 S2 White heath aster (*Aster ericoides*)
 S1 Barrens silky aster (*Aster pratensis*)
 S1 Purple-stemmed aster (*Aster puniceus*)
 S2 Rattle-vetch (*Astragalus canadensis*)
 S1 Engelman's bent milk-vetch (*Astragalus distortus* var. *engelmannii*)
 S1 Great indian-plantain (*Cacalia muehlenbergii*)
 S1S2..... Clustered poppy-mallow (*Callirhoe triangulata*)
 S1 Scarlet indian-paintbrush (*Castilleja coccinea*)
 S1 Florida senna (*Chamaecrista deeringiana*)
 S1 Pink turtlehead (*Chelone lyonii*)
 S2 Spotted wintergreen (*Chimaphila maculata*)
 S1S2..... Black bugbane (*Cimicifuga racemosa*)
 S2 Yellowwood (*Cladrastis kentukea*)
 S1 Vase-vine leather-flower (*Clematis beadlei*)
 S1 White-leaved leather-flower (*Clematis glaucophylla*)
 S1 Seaside balm (*Conradina canescens*)
 S1S2..... Georgia tickseed (*Coreopsis nudata*)
 S2 Alternate-leaf dogwood (*Cornus alternifolia*)
 S1 Ashe hawthorn (*Crataegus ashei*)
 S1 Gallion hawthorn (*Crataegus meridionalis*)
 S1 Three-flowered hawthorn (*Crataegus triflora*)
 S2 Dwarf larkspur (*Delphinium tricornis*)
 S1S2..... Pepper-root (*Dentaria diphylla*)
 S1 Creamflower tick-trefoil (*Desmodium ochroleucum*)
 S1 Dutchman's breeches (*Dicentra cucullaria*)
 S2 Eastern leatherwood (*Dirca palustris*)
 S2 Shootingstar (*Dodecatheon meadia*)
 S1S2..... American dragonhead (*Dracocephalum parviflorum*)
 S1 Marsh eryngo (*Eryngium aquaticum*)
 S1S2..... Hooker's eryngo (*Eryngium hookeri*)
 S1 Tall prairie-gentain (*Eustoma exaltatum*)
 S1 Bighead pygmycudweed (*Evax prolifera*)
 S1 Upland swamp privet (*Forestiera ligustrina*)
 S2 Blue ash (*Fraxinus quadrangulata*)
 S1 Sticky hedge-hyssop (*Gratiola brevifolia*)
 S2 Kentucky coffee-tree (*Gymnocladus dioica*)
 S1 Drummond pennyroyal (*Hedeoma drummondii*)
 S1S2..... Gulf rockrose (*Helianthemum arenicola*)
 S1 Giant alumroot (*Heuchera villosa* var. *macrorrhiza*)
 S1 Large-flowered heartleaf (*Hexastylis shuttleworthii*)
 S2 Brilliant hibiscus (*Hibiscus coccineus*)
 S1 Rattlesnake hawkweed (*Hieracium venosum*)
 S1S2..... Featherfoil (*Hottonia inflata*)
 S2 Green violet (*Hybanthus concolor*)
 S1 Golden seal (*Hydrastis canadensis*)
 S1 Appendaged waterleaf (*Hydrophyllum appendiculatum*)

- S1 Large-leaf waterleaf (*Hydrophyllum macrophyllum*)
 S2 Myrtle-leaved st. Johnswort (*Hypericum myrtifolium*)
 S2 Dahoon holly (*Ilex cassine*)
 S2 White walnut (*Juglans cinerea*)
 S2 Spreading bladder-pod (*Lesquerella gracilis*)
 S1S2 Nondo lovage (*Ligusticum canadense*)
 S2 Pondberry (*Lindera melissifolia*)
 S2 Bog spice bush (*Lindera subcoriacea*)
 S2 Large fruited flax (*Linum macrocarpum*)
 S1 Boykin's lobelia (*Lobelia boykinii*)
 S1 Sessile-leaved bugleweed (*Lycopus amplexans*)
 S1S2 Umbrella magnolia (*Magnolia tripetala*)
 S1S2 Virginia bluebells (*Mertensia virginica*)
 S1S2 Square-stem monkey flower (*Mimulus ringens*)
 S1 Narrowleaf miterwort (*Mitreola angustifolium*)
 S1 Loose watermilfoil (*Myriophyllum laxum*)
 S1S2 Nestronia (*Nestronia umbellula*)
 S1 Alabama snow-wreath (*Neviusia alabamensis*)
 S1S2 Floating-heart (*Nymphoides cordata*)
 S1 Large-flowered evening-primrose (*Oenothera grandiflora*)
 S1 Small palafoxia (*Palafoxia callosa*)
 S2 Large-leaved grass-of-parnassus (*Parnassia grandifolia*)
 S1S2 Beach sand-squares (*Paronychia erecta*)
 S1S2 Eastern eulophus (*Perideridia americana*)
 S1 Fernleaf phacelia (*Phacelia bipinnatifida*)
 S1S2 Sandhill bean (*Phaseolus sinuatus*)
 S1 Hairy mock-orange (*Philadelphus hirsutus*)
 S2 Odorless mock-orange (*Philadelphus inodorus*)
 S1 Carpenter's ground-cherry (*Physalis carpenteri*)
 S1 Climbing fetter-bush (*Pieris phillyreifolia*)
 S2 Chapman's butterwort (*Pinguicula planifolia*)
 S1 Heartleaf plantain (*Plantago cordata*)
 S1S2 Slender-leaf clammy-weed (*Polanisia tenuifolia*)
 S1S2 Hooker's milkwort (*Polygala hookeri*)
 S1 Georgia milkwort (*Polygala leptostachys*)
 S2 Prairie parsley (*Polytaenia nuttallii*)
 S2 Rough rattlesnake-root (*Prenanthes aspera*)
 S1 Awned mountain-mint (*Pycnanthemum setosum*)
 S2 Bur oak (*Quercus macrocarpa*)
 S1 Dwarf live oak (*Quercus minima*)
 S2 Lance-leaved buckthorn (*Rhamnus lanceolata*)
 S1 Smooth azalea (*Rhododendron arborescens*)
 S1 Rough coneflower (*Rudbeckia grandiflora*)
 S1 Sweet coneflower (*Rudbeckia subtomentosa*)
 S2 Night-flowering ruellia (*Ruellia noctiflora*)
 S2 Tiny-leaved buckthorn (*Sageretia minutiflora*)
 S1S2 Florida soapberry (*Sapindus marginatus*)
 S1 Rose pitcherplant (*Sarracenia rosea*)
 S1 Wherry's pitcher-plant (*Sarracenia rubra* ssp. *wherryi*)
 S1 Rock stonecrop (*Sedum pulchellum*)
 S2 Wood stonecrop (*Sedum ternatum*)

- S1S2..... Ovate catchfly (*Silene ovata*)
 S1 Eared goldenrod (*Solidago auriculata*)
 S1S2..... Appalachian goldenrod (*Solidago flaccidifolia*)
 S1S2..... False goldenrod (*Solidago sphacelata*)
 S1 Mountain camellia (*Stewartia ovata*)
 S1 Water southern morning-glory (*Stylisma aquatica*)
 S1 Patterson’s bindweed (*Stylisma pickeringii* var. *pattersonii*)
 S1 Yellow pimpernell (*Taenidia integerrima*)
 S1S2..... Southern meadow-rue (*Thalictrum debile*)
 S1 Stiff greenthreads (*Thelesperma filifolium*)
 S2 Heart-leaved foam-flower (*Tiarella cordifolia*)
 S1 Earleaf false-foxglove (*Tomanthera auriculata*)
 S1 Carolina tassel-rue (*Trautvetteria caroliniensis*)
 S1 Piedmont bladderwort (*Utricularia olivacea*)
 S2 Gale-leaf blueberry (*Vaccinium tenellum*)
 S1 Maple-leaf viburnum (*Viburnum acerifolium*)
 S1S2..... Smooth yellow violet (*Viola pubescens* var. *eriocarpon*)
 S1 Green-flower yeatesia (*Yeatesia viridiflora*)
 S1 Pinewoods-lily (*Alophia drummondii*)
 S1 Puttyroot (*Aplectrum hyemale*)
 S1 Southern three-awned grass (*Aristida simpliciflora*)
 S1 Many-flower grass-pink (*Calopogon multiflorus*)
 S1 Oklahoma grass-pink (*Calopogon oklahomensis*)
 S1 Golden canna (*Canna flaccida*)
 S1 Baltzell’s sedge (*Carex baltzellii*)
 S1 Bristly sedge (*Carex comosa*)
 S2 Coast sedge (*Carex exilis*)
 S1 Southern few-fruited sedge (*Carex impressinervia*)
 S1S2..... Nebraska sedge (*Carex jamesii*)
 S1 Loose-flowered sedge (*Carex laxiflora* var. *laxiflora*)
 S1 Eastern few-fruit sedge (*Carex oligocarpa*)
 S1 Drooping sedge (*Carex prasina*)
 S1S2..... Separated sedge (*Carex seorsa*)
 S1S2..... Walter’s sedge (*Carex striata*)
 S2 Uptight sedge (*Carex stricta*)
 S1 Twig rush (*Cladium mariscoides*)
 S1 Pitted jointgrass (*Coelorachis cylindrical*)
 S1 Small yellow lady’s-slipper (*Cypripedium parviflorum*)
 S1S2..... Wright’s witchgrass (*Dichantheium wrightianum*)
 S1 Erect burhead (*Echinodorus rostratus*)
 S1 Dwarf burhead (*Echinodorus tenellus* var. *parvulus*)
 S1 Slim spike-rush (*Eleocharis elongate*)
 S1 Black-fruited spike-rush (*Eleocharis melanocarpa*)
 S2 Robbins spikerush (*Eleocharis robbinsii*)
 S1 Beaked spikerush (*Eleocharis rostellata*)
 S2 Green-fly orchid (*Epidendrum conopseum*)
 S2 White dog’s tooth violet (*Erythronium albidum*)
 S1S2..... Yellow dog’s tooth violet (*Erythronium americanum*)
 S1S2..... Beaked dog’s tooth violet (*Erythronium rostratum*)
 S1S2..... Smooth-lipped eulophia (*Eulophia ecristata*)
 S1 Downy rattlesnake-plantain (*Goodyera pubescens*)

- S1 Engelmann's sea-grass (*Halophila engelmannii*)
 S2 *Herbertia* (*Herbertia lahue* ssp. *caerulea*)
 S2 Crested coralroot (*Hexalectris spicata*)
 S2 Pineland bogbutton (*Lachnocaulon digynum*)
 S1S2 Michigan lily (*Lilium michiganense*)
 S1S2 Slender muhly (*Muhlenbergia tenuiflora*)
 S2 Prairie-iris (*Nemastylis geminiflora*)
 S1 Showy orchis (*Orchis spectabilis*)
 S2 Naked-stemmed panic grass (*Panicum nudicaule*)
 S2 Large white fringed orchid (*Platanthera blephariglottis*)
 S1 White fringeless orchid (*Platanthera integrilabia*)
 S1S2 Green fringed-orchid (*Platanthera lacera*)
 S1 Creekgrass (*Potamogeton epihydrus*)
 S1 Hairy-peduncled beak-rush (*Rhynchospora crinipes*)
 S1 Curtiss's beakrush (*Rhynchospora curtissii*)
 S1 Swamp-forest beakrush (*Rhynchospora decurrens*)
 S1 Fernald's beakrush (*Rhynchospora fernaldii*)
 S1 Small's beakrush (*Rhynchospora globularis* var. *pinetorum*)
 S1 Harper beakrush (*Rhynchospora harperi*)
 S1 Thorne's beakrush (*Rhynchospora thornei*)
 S1 Tracy's beakrush (*Rhynchospora tracyi*)
 S1 Slender arrow-head (*Sagittaria isoetiformis*)
 S1 Spring-tape arrowhead (*Sagittaria kurziana*)
 S1 Reticulated nutrush (*Scleria reticularis*)
 S1 Florida ladies' -tresses (*Spiranthes brevilabris* var. *floridana*)
 S1S2 Eastern featherbells (*Stenanthium gramineum*)
 S1 Powdery thalia (*Thalia dealbata*)
 S1 Palmer's spiderwort (*Tradescantia ernestiana*)
 S1 Drooping trillium (*Trillium flexipes*)
 S1 Dwarf trillium (*Trillium pusillum*)
 S1 Southern bellwort (*Uvularia floridana*)
 S2 Drummond's yellow-eyed grass (*Xyris drummondii*)
 S1S2 Harper's yellow-eyed grass (*Xyris scabrifolia*)

E.2.2.10. Ferns and Allies

- S1S2 Field horsetail (*Equisetum arvense*)
 S2 Southern maidenhair-fern (*Adiantum capillus-veneris*)
 S1 Lobed spleenwort (*Asplenium pinnatifidum*)
 S1 Black-stem spleenwort (*Asplenium resiliens*)
 S1S2 Walking-fern spleenwort (*Asplenium rhizophyllum*)
 S1 Maidenhair spleenwort (*Asplenium trichomanes*)
 S2S3 Glade fern (*Athyrium pycnocarpon*)
 S2S3 Silvery spleenwort (*Athyrium thelypteroides*)
 S1 Alabama lipfern (*Cheilanthes alabamensis*)
 S2 Hairy lipfern (*Cheilanthes lanosa*)
 S1 Southern shield wood-fern (*Dryopteris ludoviciana*)
 S1 Southern wood fern (*Dryopteris x australis*)
 S1S2 Hairy water-fern (*Marsilea mucronata*)
 S1S2 Purple-stem cliff-brake (*Pellaea atropurpurea*)
 S1 Bristle-fern (*Trichomanes boschianum*)

- S1Dwarf filmy-fern (*Trichomanes petersii*)
- S1S2 Appalachian quillwort (*Isoetes engelmannii*)
- S2 Louisiana quillwort (*Isoetes louisianensis*)
- S2 Blackfoot quillwort (*Isoetes melanopoda*)
- S2 Nodding clubmoss (*Lycopodium cernuum*)
- S1 Limestone adder's-tongue (*Ophioglossum engelmannii*)