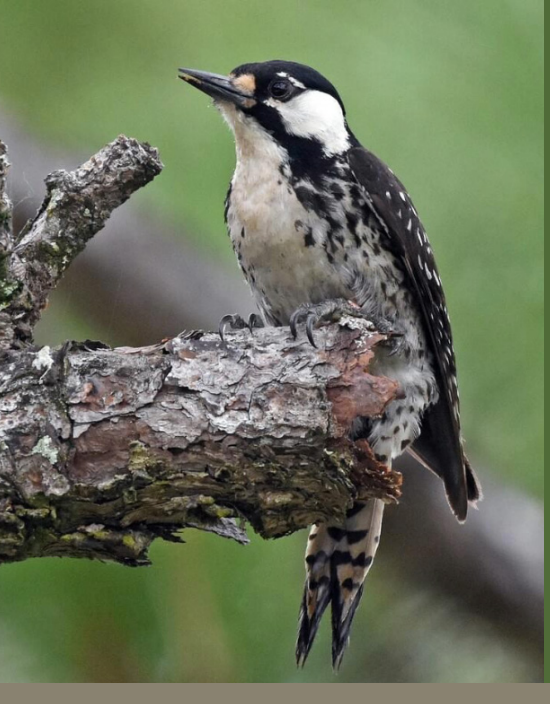


2025-2035

ALABAMA

State Wildlife Action Plan



CHAPTER 4

CONSERVATION ACTIONS



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ALABAMA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES | DIVISION OF WILDLIFE AND FRESHWATER FISHERIES

CHAPTER 4
CONSERVATION ACTIONS

Conserving Alabama's extraordinary wildlife resources requires a multifaceted approach that addresses both immediate and long-term challenges. This SWAP utilizes a modified version of the IUCN-CMP Conservation Actions framework to identify and prioritize actions that support SGCN; the original IUCN-CMP Conservation Actions contain a list of seven actions. To ensure that these actions were relevant to the state of Alabama and SGCN, these actions were modified by the SWAP Development Team with the result being a list of 10 categories (Appendix 6). These conservation actions include land and water protection through easements, preserves, and policy safeguards; land and water management such as prescribed fire, invasive species control, and habitat restoration; and species management measures like reintroductions, population monitoring, and ex-situ conservation, where necessary. Equally important are education and awareness initiatives that engage citizens, foster stewardship, and expand conservation partnerships, as well as strong law and policy frameworks that guide sustainable land use, resource protection, and enforcement. This SWAP also promotes incentives and partnerships that encourage landowners, industries, and communities to adopt conservation practices, alongside robust research and monitoring to track outcomes and adapt strategies. Finally, capacity building ensures Alabama has the institutional strength, funding, and collaboration needed to secure lasting conservation success. Together, these actions provide a clear roadmap for safeguarding Alabama's wildlife.

1. Habitat Restoration and Management

Habitat restoration and management encompasses direct management actions to maintain, enhance, or re-establish ecosystem structure, composition, and function across Alabama's terrestrial and aquatic systems. Alabama's 23 million acres of forestland are considered by many to be both ecologically critical for our SGCN and economically important to Alabama and our citizens. Alabama's forestry community works collaboratively to embrace sustainable forestry while balancing timber production with conservation. Forest certification programs such as the Sustainable Forestry Initiative and American Tree Farm System help steer conservation actions on almost 5 million acres of certified working forests. Standards in these programs include required measures to protect water quality, species richness, wildlife habitat, imperiled species and forests with exceptional conservation value. For instance, prescribed fire, is crucial for fire-adapted habitats in Alabama like Longleaf Pine savannas and prairies. AFC maintains a certification program for landowners to learn how to safely and effectively apply fire, helping to achieve this conservation action for fire-adapted landscapes. Additionally, the Alabama Prescribed Fire Council's mission to protect, conserve, and expand the safe use of prescribed fire helps further this objective. Applying fire is therefore a consideration for private landowners and public lands to meet habitat restoration goals for SGCN and other wildlife.

The following are recommendations for future actions to consider when addressing altered fire regimes and increased burn acreage objectives:

- Paradigm shift to facilitate the thought that each day could be a potential "burn day" for agency personnel and prescribed burn practitioners.
- Increase prescribed fire capacity through inter-agency partnerships.
- Increase prescribed fire capacity through training of additional vendors/contract applicators, private landowners, and formation of/cooperation with additional prescribed burn associations.
- Provide additional education to prescribed burn practitioners to broaden the burn window to include months outside of the dormant and early growing season.
- Develop reciprocity agreements with adjacent states to increase capacity in Alabama and the Southeast Region.
- Work with private landowners to encourage prescribed burns in fire-adapted habitats through technical assistance and incentive programs.
- Communicate with and request federal agencies/partners to emphasize and fund additional pyric habitat restoration and maintenance on their lands and to provide cost-share opportunities on private lands.
- Increase efforts to educate Alabama's citizens about the benefits of prescribed fire.

In addition to prescribed fire, other site-level management actions, such as managed grazing rotations on glade and prairie habitats, protection of sensitive cave habitats, and hydrologic manipulation in wetlands can be implemented to sustain habitat quality and ecological integrity. Control of invasive and problematic species including Feral Hogs, Chinese Privet, and Cogongrass are also essential to mitigate these threats and restore native community dynamics (Simberloff et al., 2013). Other habitat and natural process restoration efforts may include native tree reforestation, wetland and stream restoration, and erosion control to facilitate the recovery of ecosystem processes, improve connectivity, and build resilience to increasing extreme weather patterns and other stressors. Expansion of programs that provide assistance for loggers to purchase infrastructure, such as portable bridges or bottomless culverts, could minimize disturbance and degradation of riparian habitats and benefit aquatic SGCN.

2. Land Acquisition and Protection

Land acquisition and protection actions secure the long-term conservation value of key habitats through legal or formal mechanisms. In Alabama, this includes establishing state parks, WMAs, and conservation easements on private lands to protect critical habitats for

SGCN, including the Alabama Cavefish (*Speoplatyrhinus poulsoni*), Red-Cockaded Woodpecker, and various freshwater mussel species (Knight et al., 2011). Fee title acquisitions, long term leases, and instream flow allocations maintain habitat quality, connectivity, and hydrological integrity, reducing habitat fragmentation and safeguarding ecological functions. For example, over the last decade, WFF has secured approximately 14,000 acres for the Red Hills WMA in southwest Alabama through USFWS Endangered Species Funds as well as Alabama's Forever Wild Program and additional partnerships to protect habitat for the endemic Red Hills Salamander (*Phaegnathus hubrichti*). Securing habitat is critical for Red Hills Salamander and is listed as a recovery goal for this species (USFWS, 2019). In addition, WFF manages approximately 750,000 acres across the state including WMAs, State Lakes, and Special Opportunity Areas for SGCN species across the state. Acquisitions of key habitats through partnerships and programs utilizing funding such as Pittman-Robertson, Dingell Johnson, Forest Legacy, Regional Conservation Partnership Program, Forever Wild, USFWS Endangered Species Funding and other conservation funds (private and public) should continue to be a priority to conserve Alabama's SGCN.

3. Capacity Building through Alliances and Partnerships

Effective conservation relies on strong partnerships and building capacity across jurisdictions. Developing and sustaining partnerships among state and federal agencies, universities, non-governmental organizations, tribes, local communities, and private ownerships (agricultural and forestry) strengthens Alabama's ability to implement conservation at multiple scales. These alliances enable coordinated action, resource sharing, joint monitoring, and adaptive management, facilitating cost-effective strategies to conserve habitats such as Longleaf Pine forests, blackwater streams, and cave systems (Berkes, 2009).

4. Education and Outreach

Education and outreach initiatives foster a knowledgeable constituency that supports and participates in conservation. Formal education integrates ecological and conservation concepts into curricula and professional certification programs, training the next generation of conservation practitioners. Workshops and structured capacity-building programs enhance technical expertise for natural resource professionals and community members, including citizen scientists monitoring imperiled freshwater mussels or herpetofauna. Outreach and communications efforts through media engagement, social media, public campaigns, and citizen science programs increase awareness of Alabama's species' richness, emphasizing species such as Gopher Tortoises, Black Bears, Red-cockaded Woodpeckers, Tulotoma snails (*Tulotoma magnifica*), and rare orchids such as the White-fringeless Orchid (*Plantanthera integrilabia*) (Jacobson et al., 2015). Other needed outreach examples include the benefits of leaving snags and woody debris in forested environments, roadside management for wildlife and pollinators, planting native species to enhance pollinators and to discourage horticultural invasive plants. Informing private citizens of Alabama's species richness and the need for using the best available data and research is

critical and dependent on their active involvement and engagement in management for SGCN. A better understanding of the relationship between working forests, timber markets and impacts on SGCN in Alabama could strengthen partnerships and collaborative efforts into the future.

5. Regulatory Actions through Law and Policy

Regulatory action establishes the legal and policy framework necessary to achieve conservation objectives in Alabama. This includes federal and state legislation protecting endangered and threatened species, local ordinances that conserve wetlands and riparian buffers, and land use planning policies that guide sustainable development. Voluntary policies and BMPs, such as prescribed fire guidelines in Longleaf Pine ecosystems or invasive species management protocols, provide additional tools to guide decision making. AFC maintains BMPs for "Forestry that are non-regulatory guidelines (except for the U.S. Army Corps of Engineers baseline BMPs for Federal wetlands) suggested to help Alabama's forestry community maintain and protect the physical, chemical, and biological integrity of waters of the state as required by the Federal Water Pollution Control Act, the Alabama Water Pollution Control Act, the Water Quality Act, and the Coastal Zone Management Act." (Alabama's Best Management Practices for Forestry 2007). Compliance monitoring and enforcement reduce illegal take, habitat degradation, and overexploitation, maintaining ecological and regulatory integrity.

6. Species Management and Reintroduction

Species management and reintroduction actions directly influence the demographic and genetic viability of SGCN. In Alabama, population management strategies such as predator control for nesting sea turtles, artificial nest structures for Eastern Hellbenders, and mitigation of human-wildlife conflicts all benefit SGCN. Recovery efforts, including headstarting programs for the Eastern Indigo Snake, Gopher Frog, and Gopher Tortoise, are complemented by invasive species control. In addition, captive propagation and reintroduction of freshwater mussels such as Alabama Lampmussel into historical ranges, enhances resiliency, redundancy, and representation for the species.

7. Land Use Planning and Strategic Development

Strategic land use planning integrates multi-species conservation objectives into development and infrastructure decision-making across Alabama. Regional and municipal plans identify wildlife corridors, protect riparian buffers and floodplains, and designate areas for compatible use to prevent habitat loss and fragmentation. Integrating conservation priorities into zoning and development review ensures that landscape change is managed to sustain ecological function and support long-term conservation goals for habitats such as Longleaf Pine savannas, bottomland hardwood forests, and cave systems. Minimizing development and conversion of Alabama's forest and agricultural lands should be a priority to ensure survival of SGCN.

8. Data Collection and Analysis

Data collection and analysis provide the foundation for evidence-based conservation by compiling, standardizing, and synthesizing authoritative datasets on SGCN, their habitats, and associated threats. In Alabama, this includes compiling species occurrence records, monitoring habitat conditions using remote sensing, and maintaining databases for species such as rare mussels, amphibians, and cave-dependent species. Comprehensive data management supports population trend data, predictive modeling, and adaptive management, ensuring resources are effectively allocated to support species recovery and landscape-scale conservation planning.

9. Surveys, Research, and Status Monitoring

Surveys, research, and status monitoring are essential for assessing the distribution, abundance, and trends of SGCN populations and their habitats. Field surveys, population censuses, and long-term monitoring programs in Alabama provide empirical data for evaluating conservation effectiveness and detecting emerging threats. Targeted research fills knowledge gaps of species' ecology, habitat requirements, and responses to management interventions, enabling adaptive approaches to maintain viable populations of SGCN. For instance, ADEM conducts a variety of monitoring programs to assess and protect the state's air, land, and water resources.

ADEM's Water Division operates statewide surface water and groundwater monitoring networks to evaluate water quality conditions, track compliance with federal Clean Water Act standards, and identify impaired waters for Alabama's 303(d) list (ADEM, 2022). Biological monitoring of fish, macroinvertebrates, and habitat conditions is also performed to assess aquatic ecosystem health and support Total Maximum Daily Load (TMDL) development. In addition, ADEM implements the Nonpoint Source Pollution Monitoring Program, which evaluates nutrient and sediment runoff from agriculture, silviculture, and urban sources, while its Air Division monitors criteria air pollutants and greenhouse gases to ensure compliance with National Ambient Air Quality Standards (NAAQS). Data from these programs are used to guide regulatory decisions, restoration projects, and conservation planning, making ADEM's monitoring system a cornerstone for understanding and addressing threats to Alabama's wildlife and habitats (**Element 5**).

The Alabama Bat Working Group (ABWG) conducts Bat Blitz surveys annually within different regions of the state depending on priorities set by the ABWG for that year. Survey data from the annual Bat Blitz' help to fill knowledge gaps of species distributions for bat SGCN such as the Northern Myotis (*Myotis septentrionalis*), which was discovered to be breeding in Baldwin County in the summer of 2023, expanding the known breeding range for this species in Alabama. In 2024, the ABWG held the annual Bat Blitz in the northeastern corner of the state and confirmed the first records of Eastern Small-footed Bat (*Myotis leibii*) in Alabama. Future surveys of bat species present in the state provide a better understanding of species' ranges, their status, and critical information on how to safeguard these populations.

10. Invasive and Exotic Species Control

Managing Invasive Species

With more than 6,600 invasive species established across the conterminous United States (Simpson and Eyler, 2018), and many more on the horizon, there is an overwhelming need to formulate effective management actions to prevent and control these species. Invasive and exotic species control actions focus on detection, containment, and eradication of terrestrial and aquatic non-native organisms that threaten SGCN populations and ecosystem function in Alabama. This includes mechanical, chemical, and biological control of invasive species such as Cogongrass, Chinese Privet, and Feral Hogs. These interventions restore ecological integrity, enhance habitat suitability for native species, and mitigate competitive and predatory pressures that can compromise SGCN.

The issue of ANS was identified by WFF, along with members of the Alabama ANS Task Force and in November 2021, the Alabama ANS Management Plan was approved by the USFWS ANS Task Force. Subsequent funding was acquired to develop the statewide Alabama ANS program. The newly formed program addresses pathways and species for comprehensive management with the goal of preventing, controlling, and managing the introduction of new and existing ANS in Alabama to minimize impacts on native species, environmental quality, human health, and economics. Strategies developed for the Alabama ANS program to achieve these goals include:

1. Coordinate local, state, regional, federal, and international activities and programs pertaining to ANS.
2. Prevent, control, and manage the introduction and spread of new and existing ANS through education about species and pathways, targeting the general public, industries, user groups, government agencies, and non-governmental agencies.
3. Eliminate, control, and manage ANS through monitoring, early detection, and rapid response.
4. Prevention of ANS through legislation, regulation, and enforcement.

These strategies will be important in protecting Alabama's aquatic SGCN, and their habitats, that are most susceptible to the spread of existing invasive species and the introduction of new species to the state's waterways. A more comprehensive look at strategies and action items proposed to combat ANS can be found in the Alabama ANS Management Plan, along with the appropriate program contacts and detailed ANS profiles, accessible on the ADCNR website:

https://www.outdooralabama.com/research/aquatic-nuisance-management-plan

In addition to aquatic invasive species and their management, there are many invasive terrestrial wildlife, as described in Chapter 3. Feral hogs are one species that cause significant damage to habitats and wildlife and cause severe economic damage to crops and private property. There are many efforts in Alabama to control Feral Hogs and the threats that

they pose including direct removal. Additionally, the Alabama Feral Hog Control Council was founded with the objective of disseminating information, promoting and conducting effective research, consulting with policy makers, and giving advice to landowners on feral hog control.

Control measures for other invasive species that impact SGCN, like insect pests, may involve biological control. For instance, three species of parasitic flies (*Pseudacteon* spp.) have been purposely introduced into Alabama as part of the Alabama Fire Ant Management Program based at Auburn University. Parasitic flies are thought to be important in regulating populations in South America and the introduction of these flies has the objective of reducing Imported Fire Ants as they continue to spread across Alabama.

Whether invasive species are aquatic or terrestrial, their effective control requires early detection in the case of currently unintroduced species. For invasive species already present, consistent monitoring and rapid response is critical, paired with strong public awareness and engagement to prevent further introductions. Alabama Administrative Code 220-2-.26 governs restrictions on the possession, sale, importation, and release of certain wildlife and fish in the state to prevent ecological disruption of invasive species, reduce risks of disease and predator threats to native species, and ensure proper regulation of wildlife commerce and management in the state. There have been several invasive species programs and initiatives established in Alabama that span government agencies, citizen science reporting, management plans, and outreach efforts (Table 4.1) (**Element 5**).

Table 4.1 Invasive species programs and initiatives in Alabama.

PROGRAM	LEAD AGENCY	MISSION
Cogongrass Mitigation Program	Mobile Bay Natural Estuary Program	Assists private landowners to reduce Cogongrass infestations.
Aquatic Nuisance Species (ANS) Plan	Alabama Wildlife & Freshwater Fisheries	Combats invasive aquatic species through monitoring, prevention, and control initiatives.
Wild Spotter App & Invasive Species Ambassador Training	Alabama Cooperative Extension System	Supports the Wild Spotter Program to equip volunteers to identify and report invasive species via a mobile app.
Weed Warriors	University of Alabama Arboretum	A volunteer initiative where participants receive training to identify and remove invasive plants.
Alabama Coastal Foundation	The Nature Conservancy & Others	Coordinated volunteer-driven invasive species removals in coastal areas.
Mobile Bay National Estuary Program Invasive Management	Mobile Bay Natural Estuary Program	Manages, and when possible, eradicates invasive species in the Mobile Bay watershed through habitat restoration and public involvement.
Auburn Mapping Program	City of Auburn	Auburn's Landscape and Sustainability Division maps the spread of exotic species within city limits and greenspaces.
Alabama Invasive Plant Council	Various Partners	Serves as a hub for promoting invasive plant management and best practices and collaboration among professionals and land managers.
Alabama Fire Ant Management Program	Auburn University, Alabama A&M, Alabama Cooperative Extension, and U.S. Department of Agriculture-Agriculture and Industries	Implements and monitors biological control agents.

Managing and Surveilling SGCN Health

This conservation action also involves monitoring, surveilling and managing disease-causing pathogens that threaten the health of SGCN. As Chapter 3 highlighted, there are several diseases caused by pathogens, environmental contaminants and invasive pests that can threaten SGCN health and overall habitats. These diseases can have negative health consequences for birds, herpetofauna, mammals, aquatic invertebrates, fish and vascular plants. Therefore, health monitoring studies are important for SGCN at multiple parts of their ranges. Health studies should include surveillance and monitoring of the pathogens described in this SWAP as well as future emerging pathogens and overall health conditions. Additionally, reported mass mortalities or potential outbreaks of diseases in SGCN should be thoroughly investigated through diagnostic testing of diseased individuals since many diseases can present similar clinical signs and the occurrence of co-infections with multiple pathogens is common.

The WFF has established a Wildlife Health Program (WHP) to accomplish objectives related to wildlife health. The program has several objectives that can be applied to SGCN from various taxa groups. The approaches to health and disease monitoring are susceptible to change with additional information gathered from surveillance efforts and research. Additionally, management of diseases can be done in some cases to prevent the spread of pathogens, help bolster effected populations, treat infected individuals, and increase the immunity of susceptible animals. The objectives of the WFF WHP are outlined below (**Element 5**).

1. **Implement prevention protocols**
    a. Establish biosecurity protocols for disinfection when working in habitats with SGCN, including aquatic habitats, cave systems, and other sensitive habitats.
    b. Reduce the risk of pathogen spillover from captive wildlife to wild animals.
        i. Individuals introduced for population recovery efforts should be screened for common and emerging diseases prior to introduction.
        ii. Restrict wildlife rehabilitation and release practices that may inadvertently spread wildlife diseases.
    c. Reduce the risk of pathogen spillover from domestic animals to wild animals.
    d. Create a communication plan to educate about species richness and pathogen prevention for target audiences.
    e. Evaluate the efficiency and efficacy of vaccines or other disease prevention methods developed for wildlife species.
2. **Establish surveillance efforts**
    a. Identify priority species and habitats for the diseases listed in this chapter as well as future emerging diseases.
    b. Coordinate regular surveillance to document the occurrence and range of known pathogens.
    c. Work with partner agencies and organizations to accomplish established surveillance goals.

   d. Establish a network and system for reporting disease-related morbidities and mortalities to the WFF WHP.
   e. Utilize technologies such as environmental DNA (eDNA) to evaluate pathogen prevalence and population health for cryptic species.

3. **Engage in proactive management**
   a. Assess certain areas for limited access or closures to prevent the introduction and spread of pathogens.
   b. Manage healthy wildlife populations, including the protection and enhancement of habitats for SGCN.
   c. Effectively manage vector populations near critical areas for SGCN.
   d. Conduct education and outreach about BMPs with relevant stakeholders.
   e. Apply biological and environmental management techniques proven to aid in the decrease of pathogen prevalence or transmission.
4. **Follow an established response and management plan**
   a. Develop and implement disease-specific management plans.
   b. Plan and prepare for infectious disease outbreaks or unexplained wildlife die-offs for various SGCN and disease systems.
5. **Research**
   a. Evaluate the long-term impacts of pathogen infections on SGCN.
   b. Support research of improved diagnostic techniques for various infectious pathogens.
   c. Support research used to develop preventative measures and management actions of wildlife diseases.
   d. Conduct regular health surveys on SGCN populations.

Identifying Conservation Actions for Alabama SGCN

Building on the threats identified in **Element 3**, this section outlines broad, landscape-scale efforts and targeted species-specific conservation actions according to Appendix 6 for SGCN from each taxa group assessed (Table 4.2). To identify conservation actions for SGCN, taxa teams were first asked to identify those actions needed for each species prior to the species taxa team meetings held in early 2024. Data was also compiled during the species taxa meetings and along with USFWS species recovery plans, management plans, and other conservation plans were utilized to help identify those conservation actions needed to address the needs and threats of each species that was identified as an SGCN. Highest priority actions were also identified for species with input from taxa team leaders, taxa team members, and experts within each taxa group. These priority actions will help to guide conservation efforts and prioritize funding over the next ten years. For those species that do not have priority actions identified, efforts will be made to identify priorities so that they may be included in the next SWAP revision in 2035.

Table 4.2 Species of greatest conservation need (SGCN) conservation actions. Bold and underlined "**X**" conservation actions indicate highest priorities.

SCIENTIFIC NAME	COMMON NAME	RANK	CONSERVATION ACTIONS									
			1	2	3	4	5	6	7	8	9	10
Amphibians												
Ambystoma bishopi	Reticulated Flatwoods Salamander	EX	X	X	X	X		X			X	
Desmognathus auriculatus	Southern Dusky Salamander	EX	X			X				X	X	
Lithobates sevosus	Dusky Gopher Frog	EX	**X**	X	X	X		X		X	**X**	
Cryptobranchus alleganiensis alleganiensis	Eastern Hellbender	P1	**X**	X		X	X	X	X	X	**X**	
Desmognathus pascagoula	Pascagoula Dusky Salamander	P1				X				X	**X**	
Dryophytes andersonii	Pine Barrens Treefrog	P1	**X**	**X**		X			X		X	
Lithobates areolatus circulosus	Northern Crawfish Frog	P1	X	**X**	X	X	X	X		X	**X**	X
Lithobates capito	Gopher Frog	P1	**X**	X	X	X	X	**X**	X	X	X	X
Lithobates heckcheri	River Frog	P1	X			X	X			X	**X**	
Necturus alabamensis	Black Warrior Waterdog	P1	**X**	X	X	X	**X**	X	X	X	X	
Pseudacris ocularis	Little Grass Frog	P1	**X**	**X**		X			X		X	
Ambystoma texanum	Small-mouthed Salamander	P2	X	**X**		X		X		X	**X**	
Ambystoma tigrinum	Eastern Tiger Salamander	P2	X	X		X		X	X	X	**X**	
Amphiuma pholeter	One-toed Amphiuma	P2	X	X		X				X	**X**	
Aneides aeneus	Green Salamander	P2		**X**		X	X		**X**	X	X	
Desmognathus aeneus	Seepage Salamander	P2	**X**	X		X			X	X	**X**	
Eurycea sphagicola	Bog Dwarf Salamander	P2	**X**			**X**				X	X	
Gyrinophilus palleucus	Tennessee Cave Salamander	P2		**X**		X			**X**	X	X	
Lithobates sylvaticus	Wood Frog	P2	**X**	X		X		X		X	**X**	
Necturus maculosus	Mudpuppy	P2	X	X		X	**X**		X	X	**X**	

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			1	2	3	4	5	6	7	8	9	10
Phaeognathus hubrichti	Red Hills Salamander	P2	X	**X**	X	X			**X**	X	X	
Pseudotriton montanus	Mud Salamander	P2	X	X		X					**X**	
Siren reticulata	Reticulated Siren	P2		X	X	X	X	**X**		X	X	
Siren sphagnicola	Seepage Siren	P2				X				X	**X**	
Anaxyrus quercicus	Oak Toad	P3	**X**			X					X	
Desmognathus ocoee	Ocoee Salamander	P3	**X**			X				X	X	
Eurycea aquatica	Brown-backed Salamander	P3	**X**	X		X				X	**X**	
Eurycea quadridigitata	Dwarf Salamander	P3	X			X			X	X	**X**	
Gyrinophilus porphyriticus	Spring Salamander	P3	X			X			X	X	**X**	
Hemidactylium scutatum	Four-toed Salamander	P3				X			X		**X**	
Necturus beyeri	Gulf Coast Waterdog	P3	**X**			X			X	X	**X**	
Necturus moleri	Apalachicola Waterdog	P3	**X**			X	X			X	**X**	
Necturus mounti	Escambia Waterdog	P3	X			X	**X**			X	**X**	
Plethodon serratus	Southern Red-backed Salamander	P3	X			X					**X**	
Pseudacris brachyphona	Mountain Chorus Frog	P3	X			X					**X**	
Pseudacris ornata	Ornate Chorus Frog	P3	**X**			X			X		X	
Siren lacertina	Greater Siren	P3	X	X		X	X		X	X	**X**	
Reptiles												
Heterodon simus	Southern Hognose Snake	EX	**X**	X		X		X		X	**X**	
Caretta caretta	Loggerhead Sea Turtle	P1	**X**	X	X	X	**X**		**X**	X	X	
Chelonia mydas	Green Sea Turtle	P1	**X**	X	X	X	X		**X**	X	X	
Dermochelys coriacea	Leatherback Sea Turtle	P1	**X**		X	X	X	X	**X**	X	X	
Drymarchon couperi	Eastern Indigo Snake	P1	**X**	X	X	X	**X**	X		X	X	

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SCIENTIFIC NAME	COMMON NAME	RANK	CONSERVATION ACTIONS									
			1	2	3	4	5	6	7	8	9	10
Farancia erytrogramma	Rainbow Snake	P1	**X**	X		X				X	**X**	
Lepidochelys kempii	Kemp's Ridley Sea Turtle	P1	**X**		**X**	X	**X**	X	X	X	X	
Malaclemys terrapin pileata	Mississippi Diamondback Terrapin	P1	**X**	X		X	**X**	X	X	X	X	
Micrurus fulvius	Harlequin Coralsnake	P1	**X**			X	X			X	**X**	
Ophisaurus mimicus	Mimic Glass Lizard	P1	**X**	**X**		X		X	X	X	X	
Pituophis melanoleucus lodingi	Black Pinesnake	P1	**X**	**X**		X	X	X	X	X	**X**	
Pseudemys alabamensis	Alabama Red-bellied Cooter	P1	X	X		X	**X**	X	**X**	X	**X**	
Sternotherus depressus	Flattened Musk Turtle	P1	**X**	X	X	X	**X**	X	X	X	**X**	
Crotalus adamanteus	Eastern Diamondback Rattlesnake	P2	**X**	X	**X**	**X**	**X**	X	X		X	
Deirochelys reticularia reticularia	Eastern Chicken Turtle	P2	**X**	X		X	X	X	X	X	**X**	
Gopherus polyphemus	Gopher Tortoise	P2	**X**	X	X	X	**X**	X	X	X	X	X
Graptemys barbouri	Barbour's Map Turtle	P2	**X**	X	X	X	**X**			X	X	
Graptemys ernsti	Escambia Map Turtle	P2	**X**	X	X	X				X	**X**	X
Lampropeltis getula	Eastern Kingsnake	P2	**X**	X		X	X			X	**X**	X
Lampropeltis nigra	Eastern Black Kingsnake	P2	X			X				X	**X**	X
Lampropeltis rhombomaculata	Northern Mole Kingsnake	P2	**X**	X		X				X	**X**	X
Nerodia clarkii clarkii	Gulf Saltmarsh Watersnake	P2	**X**	**X**		X				X	X	
Nerodia floridana	Florida Green Watersnake	P2	X			X				X	**X**	X
Ophisaurus attenuatus longicaudus	Eastern Slender Glass Lizard	P2	**X**	X		X				X	**X**	
Pituophis melanoleucus melanoleucus	Northern Pinesnake	P2	**X**			X				X	**X**	
Pituophis melanoleucus mugitus	Florida Pinesnake	P2	**X**	X		X				X	**X**	
Plestiodon anthracinus anthracinus	Northern Coal Skink	P2	X	X	X	X		X	X	X	**X**	

Table 4.2 Species of greatest conservation need (SGCN) conservation actions. Bold and underlined "**X**" conservation actions indicate highest priorities.

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			1	2	3	4	5	6	7	8	9	10
Plestiodon anthracinus pluvialis	Southern Coal Skink	P2	**X**			X				X	**X**	
Plestiodon egregius similis	Northern Mole Skink	P2	**X**			X				X	**X**	
Plestiodon inexpectatus	Southeastern Five-lined Skink	P2	**X**			X				X	X	
Seminatrix pygaea pygaea	North Florida Swampsnake	P2	**X**	X		X					**X**	
Sistrurus miliarius miliarius	Carolina Pygmy Rattlesnake	P2	X	X		X				X	**X**	
Sistrurus miliarius streckeri	Western Pygmy Rattlesnake	P2	X			X					**X**	
Apalone mutica calvata	Gulf Coast Smooth Softshell	P3	X			X	X			X	**X**	
Apalone mutica mutica	Midland Smooth Softshell	P3	X			X				X	**X**	
Chrysemys dorsalis	Southern Painted Turtle	P3	X	X		X	X			X	**X**	
Graptemys pulchra	Alabama Map Turtle	P3	X	X		X	X			X	**X**	
Heterodon platirhinos	Eastern Hognose Snake	P3	**X**			X				X	**X**	
Kinosternon baurii	Striped Mud Turtle	P3	X	X		X				X	**X**	
Lampropeltis calligaster	Prairie Kingsnake	P3	**X**	X		X			X	X	X	
Lampropeltis elapsoides	Scarlet Kingsnake	P3	X	X		X				X	**X**	
Lampropeltis triangulum	Eastern Milksnake	P3	X	X		X	X			X	**X**	
Macrochelys temminckii	Western Alligator Snapping Turtle	P3	X	X		X	**X**			X	**X**	
Nerodia cyclopion	Mississippi Green Watersnake	P3				X				X	**X**	
Sternotherus carinatus	Razor-backed Musk Turtle	P3	**X**	X		X				X	**X**	
Sternotherus minor	Loggerhead Musk Turtle	P3		X		X				X	**X**	
Tantilla coronata	Southeastern Crowned Snake	P3	X			X					**X**	
Terrapene carolina major	Gulf Coast Box Turtle	P3			X	X	X			X	**X**	
Birds												
Antigone canadensis pulla	Mississippi Sandhill Crane	EX	X			X						X

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SCIENTIFIC NAME	COMMON NAME	RANK	CONSERVATION ACTIONS									
			1	2	3	4	5	6	7	8	9	10
Campephilus principalis	Ivory-billed Woodpecker	EX		X								
Corvus corax	Common Raven	EX										X
Thryomanes bewickii bewickii	Appalachian Bewick's Wren	EX		X								
Anarhynchus nivosus nivosus	Southeastern Snowy Plover	P1	**X**	**X**	X	**X**	X		X	X	X	X
Anarhynchus wilsonia	Wilson's Plover	P1		**X**	X	X		X	X	X	**X**	
Calidris canutus rufa	Red Knot	P1	X	**X**	X	**X**	X		X	X	**X**	X
Centronyx henslowii	Henslow's Sparrow	P1	**X**	X	X	X	X	X	X	X	X	X
Charadrius melodus	Piping Plover	P1	**X**		X	**X**		X	X	X	**X**	X
Egretta rufescens	Reddish Egret	P1	**X**	**X**	X	X			X	X	**X**	X
Falco sparverius paulus	Southeastern American Kestrel	P1	**X**		X		X	**X**		**X**	**X**	
Haematopus palliatus	American Oystercatcher	P1	**X**	X	X	**X**	X	**X**		X	**X**	X
Laterallus jamaicensis jamaicensis	Eastern Black Rail	P1	X	X	X	X	X		X	X	**X**	X
Rynchops niger	Black Skimmer	P1	**X**	X	X	X	X	**X**	X	X	X	X
Setophaga cerulea	Cerulean Warbler	P1	**X**	**X**	X	X	X		X	X	**X**	
Ammodramus savannarum	Grasshopper Sparrow	P2	**X**	X	X	X			**X**	X	X	X
Ammospiza maritima fisheri	Seaside Sparrow	P2	**X**	**X**					X	X	**X**	X
Ammospiza nelsoni	Nelson's Sparrow	P2	**X**	X					X	X	**X**	X
Anas fulvigula	Mottled Duck	P2	X	X				X	X	X	**X**	X
Aquila chrysaetos	Golden Eagle	P2	**X**	**X**	X	**X**	**X**		**X**	X	**X**	
Botaurus exilis	Least Bittern	P2	**X**	X		X	X		X	X	**X**	
Chordeiles minor	Common Nighthawk	P2	X		**X**	X	**X**	X		X	**X**	X
Colinus virginianus	Northern Bobwhite	P2	**X**	X	X	X		X	X	X	X	
Coturnicops noveboracensis	Yellow Rail	P2	**X**	X		X	X		X	X	X	

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SCIENTIFIC NAME	COMMON NAME	RANK	CONSERVATION ACTIONS									
			1	2	3	4	5	6	7	8	9	10
Dryobates borealis	Red-cockaded Woodpecker	P2	**X**	X	**X**	X	X	**X**	X	X	X	X
Euphagus carolinus	Rusty Blackbird	P2	X	**X**		X			X	X	**X**	X
Gelochelidon nilotica	Gull-billed Tern	P2	**X**	X	X	**X**			**X**	X	**X**	
Lanius ludovicianus	Loggerhead Shrike	P2	**X**	X	X	**X**			X	**X**	**X**	X
Peucaea aestivalis	Bachman's Sparrow	P2	**X**	**X**		X		X	X	X	X	X
Rallus elegans	King Rail	P2	**X**	X			X		X	X	X	
Sterna hirundo	Common Tern	P2	X	**X**		X			X	X	X	
Sternula antillarum	Least Tern	P2	**X**	X	X	**X**	X	**X**	**X**	X	X	X
Tringa semipalmata	Eastern Willet	P2	X	X					X	X	X	
Ammospiza leconteii	LeConte's Sparrow	P3	**X**	X				X	X	X	X	
Anas rubripes	American Black Duck	P3	**X**	X	X	X	X		X	X	**X**	
Antrostomus carolinensis	Chuck-will's-widow	P3	X	X					X	X	**X**	
Antrostomus vociferus	Eastern Whip-poor-will	P3	X	**X**					X	X	**X**	
Botaurus lentiginosus	American Bittern	P3	**X**	X						X	X	
Butorides virescens	Green Heron	P3	**X**	X						X	X	
Chaetura pelagica	Chimney Swift	P3	**X**			X			X	X	**X**	
Circus hudsonius	Northern Harrier	P3	**X**	X					X	X	**X**	
Cistothorus palustris marianae	Marian's Marsh Wren	P3	**X**	X					X	X	**X**	X
Colaptes auratus	Northern Flicker	P3	X	X							**X**	
Columbina passerina	Common Ground Dove	P3	**X**	X	X	X	X					
Egretta caerulea	Little Blue Heron	P3	X	X		X				X	**X**	
Egretta tricolor	Tricolored Heron	P3	X	X	X	X				X	**X**	
Elanoides forficatus	Swallow-tailed Kite	P3	X	**X**	X	X			X	**X**	**X**	

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Falco sparverius sparverius	American Kestrel	P3	X	X	X	X				X	**X**	
Hydroprogne caspia	Caspian Tern	P3		X	X	X				X	**X**	
Mycteria americana	Wood Stork	P3	X	X	X	X	X				**X**	
Nycticorax nycticorax	Black-crowned Night Heron	P3	**X**	X						X	X	
Passerina ciris	Painted Bunting	P3	X		X	X				X	**X**	
Pooecetes gramineus	Vesper Sparrow	P3	X							X	**X**	
Porphyrio martinicus	Purple Gallinule	P3	**X**	X						X	X	
Progne subis	Purple Martin	P3		X		X				**X**	X	
Protonotaria citrea	Prothonotary Warbler	P3	X	**X**							X	
Rallus crepitans	Clapper Rail	P3	X	**X**						X	X	
Scolopax minor	American Woodcock	P3	X	X	X	X				**X**	**X**	
Spiza americana	Dickcissel	P3	**X**	X	X	X				X	X	X
Spizella pusilla	Field Sparrow	P3	**X**	X	X	X			X	X	X	
Sturnella magna	Eastern Meadowlark	P3	**X**	X	X	X					X	
Thalasseus sandvicensis	Sandwich Tern	P3	X	X	X	X			X	X	**X**	
Tyto furcata	American Barn Owl	P3	**X**	X		X			X	**X**	X	
Vermivora cyanoptera	Blue-winged Warbler	P3	**X**	X					X		**X**	
Mammals												
Bison bison	American Bison	EX	X									
Canis rufus	Red Wolf	EX	X									
Cervus elaphus	Elk	EX	X									
Puma concolor	Cougar	EX	X									
Myotis grisescens	Gray Myotis	P1	**X**	**X**			X		X	X	X	X

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Myotis lucifugus	Little Brown Myotis	P1	**X**	X						X	**X**	X
Myotis septentrionalis	Northern Myotis	P1	**X**	X					X	X	**X**	X
Myotis sodalis	Indiana Myotis	P1	**X**	**X**						X	X	X
Perimyotis subflavus	Tricolored Bat	P1	**X**	**X**							**X**	X
Peromyscus polionotus ammobates	Alabama Beach Mouse	P1	**X**			X	X		**X**		X	X
Peromyscus polionotus trissyllepsis	Perdido Key Beach Mouse	P1	**X**			X	X		**X**		X	X
Sylvilagus obscurus	Appalachian Cottontail	P1	X			X				X	**X**	X
Trichechus manatus	West Indian Manatee	P1			X	**X**	X				**X**	
Ursus americanus floridanus	Florida Black Bear	P1	X	**X**		**X**	X			**X**		
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	P2	X	X						X	**X**	
Geomys pinetis	Southeastern Pocket Gopher	P2	**X**	**X**			X	X	X	X	X	
Lasiurus cinereus	Hoary Bat	P2	X	X	X		**X**		X	X	**X**	
Lasiurus intermedius	Northern Yellow Bat	P2	X	**X**						X	X	
Microtus ochrogaster	Prairie Vole	P2	X	**X**	X	X					X	
Myotis austroriparius	Southeastern Myotis	P2	X	**X**					X	X	**X**	X
Myotis leibii	Eastern Small-footed Myotis	P2	X							X	**X**	X
Neotoma magister	Allegheny Woodrat	P2		X							**X**	
Sorex fumeus	Smoky Shrew	P2	X								**X**	
Sorex hoyi	American Pygmy Shrew	P2	X								**X**	
Spilogale putorius	Eastern Spotted Skunk	P2	X	X	X	X	X		X	X	**X**	
Sylvilagus palustris	Marsh Rabbit	P2	X								**X**	
Zapus hudsonius	Meadow Jumping Mouse	P2	X	X						X	**X**	
Blarina brevicauda	Northern Short-tailed Shrew	P3	X							**X**		

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Eptesicus fuscus	Big Brown Bat	P3	X							X	**X**	X
Lasionycteris noctivagans	Silver-haired Bat	P3	X							X	**X**	
Neogale frenata	Long-tailed Weasel	P3	X	**X**		X			X	X	**X**	
Neogale vison	American Mink	P3				X				X	**X**	
Neotoma floridana haematoreia	Southern Appalachian Woodrat	P3								X	**X**	
Ondatra zibethicus	Common Muskrat	P3									**X**	X
Peromyscus maniculatus	Deer Mouse	P3	X							X	**X**	
Peromyscus polionotus	Oldfield Mouse	P3		X							**X**	
Sciurus niger	Eastern Fox Squirrel	P3	X							X	**X**	
Ursus americanus	American Black Bear	P3				X	X				**X**	
Crayfishes												
Barbicambarus simmonsi	Tennessee Bottlebrush Crayfish	P1	**X**		X		X	X		X	**X**	
Cambarus clairitae	Zebra Crayfish	P1	X	**X**			**X**		X	X	X	X
Cambarus cracens	Slenderclaw Crayfish	P1	**X**				**X**			X	X	
Cambarus distans	Boxclaw Crayfish	P1	X		X	X	**X**		**X**	X	X	X
Cambarus diupalma	Mountain Fork Crayfish	P1		**X**			X		**X**	X	X	
Cambarus jonesi	Alabama Cave Crayfish	P1			X				**X**	X	**X**	
Cambarus laconensis	Lacon Exit Cave Crayfish	P1	**X**	X					**X**	**X**	X	
Cambarus pecki	Phantom Cave Crayfish	P1	X	**X**	X					X	**X**	
Cambarus pyronotus	Fireback Crayfish	P1	X								**X**	X
Cambarus veitchorum	White Spring Cave Crayfish	P1	X	**X**	X	X	**X**			X	**X**	
Creaserinus danielae	Speckled Burrowing Crayfish	P1	X			X			X	X	**X**	
Lacunicambarus freudensteini	Banded Mudbug	P1									**X**	

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			1	2	3	4	5	6	7	8	9	10
Lacunicambarus mobilensis	Lonesome Gravedigger	P1								X	**X**	
Orconectes sheltae	Shelta Cave Crayfish	P1	**X**					X	**X**	X	**X**	
Procambarus barbiger	Jackson Prairie Crayfish	P1							X	X	**X**	
Procambarus escambiensis	Escambia Crayfish	P1								X	**X**	
Procambarus holifieldi	Celestial Crayfish	P1							X	X	**X**	
Cambarellus diminutus	Least Crayfish	P2		**X**			X				**X**	
Cambarellus rotatus	Twisted Dwarf Crayfish	P2	X				**X**				**X**	
Cambarus andersoni	Florence Crayfish	P2									**X**	
Cambarus gentryi	Linear Cobalt Crayfish	P2					X		**X**	X	**X**	
Cambarus howardi	Chattahoochee Crayfish	P2							**X**		X	
Cambarus lentiginosus	Speckled Crayfish	P2					X		**X**		X	
Cambarus manningi	Greensaddle Crayfish	P2	X			X			**X**	X	**X**	X
Cambarus parvoculus	Mountain Midget Crayfish	P2	X						**X**		**X**	X
Cambarus rusticiformis	Depression Crayfish	P2	X			X			**X**	X	**X**	X
Cambarus speleocoopi	Sweet Home Alabama Cave Crayfish	P2	X	**X**		X			X	X	**X**	
Faxonius cooperi	Flint River Crayfish	P2	X			X			**X**		X	X
Faxonius durelli	Saddle Crayfish	P2	X	**X**		X				X	**X**	X
Faxonius jonesi	Sucarnoochee River Crayfish	P2							**X**		**X**	
Faxonius spinosus	Coosa River Spiny Crayfish	P2	**X**								**X**	
Hobbseus prominens	Prominence Riverlet Crayfish	P2								X	**X**	
Procambarus capillatus	Capillaceous Crayfish	P2								X	**X**	
Procambarus clemmeri	Cockscomb Crayfish	P2								X	**X**	

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			1	2	3	4	5	6	7	8	9	10
Procambarus evermanni	Panhandle Crayfish	P2							**X**		**X**	
Procambarus hagenianus hagenianus	Southeastern Prairie Crayfish	P2							X		**X**	
Procambarus hayi	Straightedge Crayfish	P2	**X**							X	**X**	
Procambarus lagniappe	Lagniappe Crayfish	P2								X	**X**	
Procambarus lecontei	Mobile Crayfish	P2								X	**X**	
Procambarus planirostris	Flatnose Crayfish	P2								X	**X**	
Procambarus viaeviridis	Vernal Crayfish	P2								X	**X**	
Cambarellus shufeldtii	Cajun Dwarf Crayfish	P3	**X**				X				**X**	
Cambarus bartonii cavatus	Appalachian Brook Crayfish	P3					X		**X**		**X**	
Cambarus englishi	Tallapoosa Crayfish	P3	X						**X**		**X**	
Cambarus hamulatus	Prickly Cave Crayfish	P3							**X**	X	**X**	
Cambarus longirostris	Longnose Crayfish	P3	X			X			**X**	X	**X**	X
Cambarus tenebrosus	Cavespring Crayfish	P3	X			X			**X**			X
Cambarus unestami	Blackbarred Crayfish	P3	X						**X**		**X**	X
Creaserinus burrisi	Burrowing Bog Crayfish	P3	**X**			X			X		**X**	
Creaserinus byersi	Lavender Burrowing Crayfish	P3	**X**			X			X		**X**	
Faxonius placidus	Bigclaw Crayfish	P3							X		**X**	
Lacunicambarus miltus	Rusty Grave Digger	P3							X		**X**	
Orconectes australis	Southern Cave Crayfish	P3			**X**	X			X	X	**X**	
Procambarus bivittatus	Ribbon Crayfish	P3								X	**X**	
Procambarus hubbelli	Jackknife Crayfish	P3								X	**X**	
Procambarus hybus	Smoothnose Crayfish	P3								X	**X**	
Procambarus lewisi	Spur Crayfish	P3								X	**X**	

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Procambarus marthae	Crisscross Crayfish	P3								X	**X**	
Procambarus okaloosae	Okaloosa Crayfish	P3								X	**X**	
Procambarus paeninsulanus	Peninsula Crayfish	P3								X	**X**	
Procambarus shermani	Gulf Crayfish	P3								X	**X**	
Procambarus verrucosus	Grainy Crayfish	P3									**X**	
Procambarus zonangulus	Southern White River Crawfish	P3								X	**X**	
Fishes												
Allohistium cinereum	Ashy Darter	EX	**X**					X				
Ammocrypta vivax	Scaly Sand Darter	EX	X					X		X	**X**	
Hiodon alosoides	Goldeye	EX	**X**					X				
Lepisosteus platostomus	Shortnose Gar	EX	**X**	X				X				
Noturus crypticus	Chucky Madtom	EX	**X**	X	X							
Scaphirhynchus platorynchus	Shovelnose Sturgeon	EX	**X**				X	X				
Acipenser fulvescens	Lake Sturgeon	EXCAU	X					**X**		X	X	
Erimonax monachus	Spotfin Chub	EXCAU						**X**				
Acantharchus pomotis	Mud Sunfish	P1	X	**X**					X	X	X	
Acipenser desotoi	Gulf Sturgeon	P1	**X**		X		X	X	X	X	X	
Alburnops chalybaeus	Ironcolor Shiner	P1	**X**	X	X		X	X	X		X	
Alburnops hypsilepis	Highscale Shiner	P1	**X**	X	X	X	X		X	X	X	
Alosa alabamae	Alabama Shad	P1	X					**X**	X	X	X	
Chrosomus tennesseensis	Tennessee Dace	P1		X			X	X		X	**X**	
Cottus paulus	Pygmy Sculpin	P1	**X**	X	X	X	X		X	X	X	
Cyprinella caerulea	Blue Shiner	P1	**X**	X	X		X	X	X	X	X	

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Cyprinella callitaenia	Bluestripe Shiner	P1	X	X			X	X	X	X	**X**	
Elassoma alabamae	Spring Pygmy Sunfish	P1	X	**X**	X	X	X	X	X	X	X	
Etheostoma birminghamense	Birmingham Darter	P1	X	X	X	X	X		X	X	**X**	
Etheostoma boschungi	Slackwater Darter	P1	**X**	X	X	X	X	X	X	X	X	
Etheostoma brevirostrum	Holiday Darter	P1	**X**	X	X	X	X	X	X	X	X	
Etheostoma chermocki	Vermilion Darter	P1	X	X	X	X	X	X	**X**	X	X	
Etheostoma corona	Crown Darter	P1		X	X				X	X	**X**	
Etheostoma cyanoprosopum	Blueface Darter	P1	X	**X**	X	X	X		X	X	X	
Etheostoma gurleyense	Gurley Darter	P1	X	X	X	X	X		X	X	**X**	
Etheostoma kimberlae	Locust Fork Darter	P1	X	X	X	X	X		X	X	**X**	
Etheostoma michellae	Sipsey Fork Darter	P1	X	X	X	X	X		X	X	**X**	
Etheostoma neopterum	Lollypop Darter	P1	**X**	X	X					X	X	
Etheostoma nuchale	Watercress Darter	P1	X	**X**	X	X	X	X	X	X	X	
Etheostoma phytophilum	Rush Darter	P1	X	**X**	X	X	X	X	X	X	X	
Etheostoma trisella	Trispot Darter	P1	**X**	X	**X**	X			X	X	X	
Lucania goodei	Bluefin Killifish	P1		X	X		X		X	X	**X**	
Macrhybopsis hyostoma	Shoal Chub	P1	X	**X**	X		X	X	X	X	X	
Micropterus cataractae	Shoal Bass	P1	**X**	X	X	X	X	X	X	X	X	X
Micropterus warriorensis	Warrior Bass	P1	**X**	X	X	X	X	X	X	X	X	X
Miniellus albizonatus	Palezone Shiner	P1	X	**X**	X		X	X	X	X	X	
Miniellus melanostomus	Blackmouth Shiner	P1	X	X	X				X	X	**X**	
Nothonotus camurum	Bluebreast Darter	P1			X		X	X	**X**			
Nothonotus wapiti	Boulder Darter	P1	X	X	X	X	X	**X**	X	X	X	

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SCIENTIFIC NAME	COMMON NAME	RANK	CONSERVATION ACTIONS									
			1	2	3	4	5	6	7	8	9	10
Notropis ariommus	Popeye Shiner	P1								X	**X**	
Noturus munitus	Frecklebelly Madtom	P1	**X**	X	X	X	X	X	X	X	X	
Paranotropis buchanani	Ghost Shiner	P1	X	X					X	X	**X**	
Paranotropis cahabae	Cahaba Shiner	P1	**X**	X	X	X	X		X	X	X	
Percina burtoni	Blotchside Logperch	P1	**X**	X	X		X	X	X	X	X	
Percina crypta	Halloween Darter	P1	X	X			X	X	X	X	**X**	
Percina phoxocephala	Slenderhead Darter	P1	**X**	X	X		X		X	X	X	
Percina sipsi	Bankhead Darter	P1	X		X		X		**X**	X	X	
Phenacobius mirabilis	Suckermouth Minnow	P1	**X**	X					X	X	X	
Pteronotropis cummingsae	Dusky Shiner	P1	X	**X**	X		X	X	X	X	X	
Pteronotropis euryzonus	Broadstripe Shiner	P1	X	**X**	X		X	X	X	X	X	
Pteronotropis welaka	Bluenose Shiner	P1	**X**	X	X		X		X	X	X	
Sander sp. cf. *vitreus*	Southern Walleye[1]	P1	**X**		X	X	X	**X**			X	
Scaphirhynchus suttkusi	Alabama Sturgeon	P1	**X**		X	X	X	**X**	X	X	X	
Speoplatyrhinus poulsoni	Alabama Cavefish	P1		**X**	X	X	X		X			
Elassoma evergladei	Everglades Pygmy Sunfish	P2								X	**X**	
Erimystax dissimilis	Streamline Chub	P2	**X**	X		X				X	X	
Etheostoma bellator	Warrior Darter	P2	X	**X**	X	X	X	X	X	X	X	
Etheostoma ditrema	Coldwater Darter	P2		X	X		X		**X**	X	X	
Etheostoma tuscumbia	Tuscumbia Darter	P2	X	X	X	X	X	X	**X**	X	X	
Etheostoma zonistium	Bandfin Darter	P2	**X**	X	X		X		X	X	X	

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			1	2	3	4	5	6	7	8	9	10
Hiodon tergisus	Mooneye	P2	X				X			X	**X**	
Micropterus chattahoochae	Chattahoochee Bass	P2	**X**		X		X			X	X	X
Noturus eleutherus	Mountain Madtom	P2	**X**	X	X		X		X	X	X	
Noturus miurus	Brindled Madtom	P2	**X**	X	X		X		X	X	X	
Noturus sp. cf. *flavus*	Highlands Madtom[1]	P2		**X**	X		X		X	X	X	
Percina aurolineata	Goldline Darter	P2	X	**X**	X	X	X	X	X	X	X	
Percina brevicauda	Coal Darter	P2	X		X		X	X	X	X	**X**	
Percina evides	Gilt Darter	P2	X	X	X		X		X	X	**X**	
Percina tanasi	Snail Darter	P2			X	X				X	**X**	
Phenacobius uranops	Stargazing Minnow	P2	**X**	X	X		X		X	X	X	
Pteronotropis grandipinnis	Apalachee Shiner	P2	X	X						X	**X**	
Alburnops petersoni	Coastal Shiner	P3								X	**X**	
Alosa chrysochloris	Skipjack Herring	P3	X							**X**	X	
Ameiurus serracanthus	Spotted Bullhead	P3	X					X	X	X	**X**	
Atractosteus spatula	Alligator Gar	P3	X					**X**		X	X	
Campostoma pauciradii	Bluefin Stoneroller	P3	X							X	**X**	
Crystallaria asprella	Crystal Darter	P3	X	X						X	**X**	
Cycleptus elongatus	Blue Sucker	P3						X		X	**X**	
Cycleptus meridionalis	Southeastern Blue Sucker	P3								X	**X**	
Cyprinella whipplei	Steelcolor Shiner	P3								X	**X**	
Enneacanthus gloriosus	Bluespotted Sunfish	P3	X	X						X	**X**	

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			1	2	3	4	5	6	7	8	9	10
Enneacanthus obesus	Banded Sunfish	P3								X	**X**	
Erimystax insignis	Blotched Chub	P3	**X**		X							
Etheostoma crossopterum	Fringed Darter	P3			X					X	**X**	
Etheostoma lynceum	Brighteye Darter	P3	X		X			X	X	X	**X**	
Fundulus bifax	Stippled Studfish	P3	X	X			X		X	X	**X**	
Fundulus cingulatus	Banded Topminnow	P3								X	**X**	
Fundulus confluentus	Marsh Killifish	P3								X	**X**	
Fundulus dispar	Starhead Topminnow	P3								X	**X**	
Fundulus jenkinsi	Saltmarsh Topminnow	P3	X	**X**			X	X	X	X	X	
Fundulus pulvereus	Bayou Killifish	P3								X	**X**	
Hybognathus hayi	Cypress Minnow	P3							X	X	**X**	
Ichthyomyzon greeleyi	Mountain Brook Lamprey	P3								X	**X**	
Ictiobus cyprinellus	Bigmouth Buffalo	P3								X	**X**	
Ictiobus niger	Black Buffalo	P3								X	**X**	
Leptolucania ommata	Pygmy Killifish	P3	X	X			X		X	X	**X**	
Lethenteron appendix	American Brook Lamprey	P3								X	**X**	
Lythrurus fumeus	Ribbon Shiner	P3								X	**X**	
Macrhybopsis etnieri	Coosa Chub	P3		X					X	X	**X**	
Macrhybopsis pallida	Pallid Chub	P3							**X**	X	X	
Micropterus cahabae	Cahaba Bass	P3	X	X	X	X	X	**X**	X	X	X	X
Miniellus uranoscopus	Skygazer Shiner	P3	X							X	**X**	
Moxostoma carinatum	River Redhorse	P3								X	**X**	
Moxostoma macrolepidotum	Shorthead Redhorse	P3								X	**X**	

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			1	2	3	4	5	6	7	8	9	10
Nothonotus douglasi	Tuskaloosa Darter	P3	X	X	X				X	X	**X**	
Notropis micropteryx	Highland Shiner	P3								X	**X**	
Notropis photogenis	Silver Shiner	P3								X	**X**	
Paranotropis sp. cf. *spectrunculus*	Sawfin Shiner[1]	P3		X	X				X	X	**X**	
Percina austroperca	Southern Logperch	P3	X	X			X		X	X	**X**	
Percina lenticula	Freckled Darter	P3			X				X	X	**X**	
Pteronotropis merlini	Orangetail Shiner	P3							X	X	**X**	
Pteronotropis signipinnis	Flagfin Shiner	P3							X	X	**X**	
Typhlichthys subterraneus	Southern Cavefish	P3		**X**	X	X						
Typhlichthys sp. cf. *subterraneus*	Tennessee Cavefish[1]	P3		**X**	X	X						
Mussels												
Alasmidonta marginata	Elktoe	EX	**X**	X			X	**X**	X		X	
Dromus dromas	Dromedary Pearlymussel	EX	**X**	X	X	X	X	X	X	X	X	
Elliptio fraterna	Brother Spike	EX	**X**	X	X	X	X		X	X	X	
Elliptio nigella	Winged Spike	EX	**X**	X	X		X		X	X	X	
Elliptoideus sloatianus	Purple Bankclimber	EX	X				X		X		**X**	
Epioblasma aureola	Golden Riffleshell	EX						X			**X**	
Epioblasma obliquata	Catspaw	EX	**X**		X	X	X	**X**	X	X	X	
Lasmigona subviridis	Green Floater	EX	**X**	X	X		X	X	X	X	X	
Obovaria olivaria	Hickorynut	EX	**X**	X	X	X	X	X	X	X	X	X
Obovaria retusa	Ring Pink	EX	**X**	X	X	X	X	X	X	X	X	

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			1	2	3	4	5	6	7	8	9	10
Ortmanniana pectorosa	Pheasantshell	EX	X	X	X		X	**X**	X		**X**	
Paetulunio fabalis	Rayed Bean	EX	**X**					**X**			X	
Pegias fabula	Littlewing Pearlymussel	EX	**X**					**X**			X	
Plethobasus cooperianus	Orangefoot Pimpleback	EX	X		X	X	X	X	X	X	**X**	
Pleurobema clava	Clubshell	EX	X	X	X	X	X	X	X	X	**X**	
Pleurobema hartmanianum	Cherokee Pigtoe	EX	X								**X**	
Pleurobema stabile	Coosa Pigtoe	EX	**X**	X	X		X	X	X		X	
Potamilus leptodon	Scaleshell	EX	**X**		X		X	**X**	X	X	X	
Ptychobranchus subtentus	Fluted Kidneyshell	EX	**X**					**X**			X	
Theliderma intermedia	Cumberland Monkeyface	EX	**X**	X	X		X	**X**	X		X	
Theliderma sparsa	Appalachian Monkeyface	EX	**X**	X			X	**X**	X		X	
Epioblasma capsaeformis	Oyster Mussel	EXCAU	**X**	X	X			**X**	X	X	X	
Epioblasma penita	Southern Combshell	EXCAU	**X**					**X**			X	
Lemiox rimosus	Birdwing Pearlymussel	EXCAU	**X**					**X**			X	
Medionidus parvulus	Coosa Moccasinshell	EXCAU	**X**	X	X	X	X	**X**	X	X	X	
Venustaconcha trabalis	Cumberland Bean	EXCAU	**X**					**X**			X	
Alasmidonta triangulata	Southern Elktoe	P1	**X**	X			X	**X**	X	X	X	
Alasmidonta viridis	Slippershell Mussel	P1	**X**	X	X			X	X		X	X
Cumberlandia monodonta	Spectaclecase	P1	X	X	X		X	X	X	X	**X**	
Cyprogenia stegaria	Fanshell	P1	X				X	**X**			**X**	
Elliptio arca	Alabama Spike	P1	**X**	X	X	X	X	X	X	X	X	
Elliptio arctata	Delicate Spike	P1	**X**						X	X	X	
Elliptio chipolaensis	Chipola Slabshell	P1	**X**	X	X		X		X	X	X	

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			1	2	3	4	5	6	7	8	9	10
Elliptio purpurella	Inflated Spike	P1	X		X	X	X	X			**X**	
Epioblasma brevidens	Cumberlandian Combshell	P1	**X**					**X**			X	
Epioblasma triquetra	Snuffbox	P1	**X**		X	X	X	X	X		X	
Eurynia dilatata	Spike	P1	**X**					**X**			X	
Fusconaia cor	Shiny Pigtoe	P1	**X**		X		X	X	X	X	X	
Fusconaia cuneolus	Finerayed Pigtoe	P1	X					X			**X**	
Fusconaia subrotunda	Longsolid	P1	**X**	X	X	X	X	X	X	X	X	
Hamiota subangulata	Shinyrayed Pocketbook	P1	**X**	X							X	
Hemistena lata	Cracking Pearlymussel	P1	**X**	X	X	X	X	**X**	X	X	X	
Lampsilis virescens	Alabama Lampmussel	P1	**X**	X	X	X	X	**X**	X	X	X	
Lasmigona etowaensis	Etowah Heelsplitter	P1	X	X				X			**X**	
Lasmigona holstonia	Tennessee Heelsplitter	P1	X	X	X	X	X	X	X		**X**	
Ligumia recta	Black Sandshell	P1	X		X		X	**X**	X		X	
Margaritifera marrianae	Alabama Pearlshell	P1	X	**X**	**X**			X			X	
Medionidus acutissimus	Alabama Moccasinshell	P1	**X**	X				**X**	X		X	
Medionidus conradicus	Cumberland Moccasinshell	P1	X	X	X	X	X	**X**	X	X	X	X
Medionidus penicillatus	Gulf Moccasinshell	P1	**X**	X	X		X	X	X	X	X	
Obovaria arkansasensis	Southern Hickorynut	P1	**X**	X			X	X		X	X	
Obovaria choctawensis	Choctaw Bean	P1	**X**	X	X	X	X	X	X	X	X	
Obovaria subrotunda	Round Hickorynut	P1	**X**					X			X	
Obovaria unicolor	Alabama Hickorynut	P1	**X**	X	X			X			X	
Ortmanniana abrupta	Pink Mucket	P1	**X**		X			X			X	
Ortmanniana ligamentina	Mucket	P1	X	X				X		X	**X**	

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			1	2	3	4	5	6	7	8	9	10
Plethobasus cicatricosus	White Wartyback	P1	X		X			X		X	**X**	
Plethobasus cyphyus	Sheepnose	P1	X		X	X	X	X	X	X	**X**	
Pleurobema athearni	Canoe Creek Clubshell	P1	**X**	X	X		X	**X**	X		X	
Pleurobema beadleianum	Mississippi Pigtoe	P1	**X**								X	
Pleurobema cordatum	Ohio Pigtoe	P1	**X**		X		X	X	X	X	X	
Pleurobema georgianum	Southern Pigtoe	P1	**X**	X	X		X	X	X		X	
Pleurobema hanleyianum	Georgia Pigtoe	P1	X	X				**X**			**X**	
Pleurobema oviforme	Tennessee Clubshell	P1	**X**	X					X		X	
Pleurobema perovatum	Ovate Clubshell	P1	**X**	X	X	X	X	X	X	X	X	
Pleurobema plenum	Rough Rigtoe	P1	X	X	X	X	**X**	X	X		X	
Pleurobema pyriforme	Oval Pigtoe	P1	**X**	X	X	X	X	X	X		X	X
Pleurobema rubellum	Warrior Pigtoe	P1	**X**	X			X	X	X		X	
Pleurobema sintoxia	Round Pigtoe	P1	X				**X**				X	
Pleurobema taitianum	Heavy Pigtoe	P1	**X**	X	X	X	X	**X**	X	X	X	X
Pleuronaia barnesiana	Tennessee Pigtoe	P1	**X**	X	X		X	X	X		X	
Pleuronaia dolabelloides	Slabside Pearlymussel	P1	**X**	X				X	X		X	
Ptychobranchus fasciolaris	Kidneyshell	P1	**X**	X							X	
Ptychobranchus foremanianus	Rayed Kidneyshell	P1	**X**	X	X	X	X	X	X	X	X	X
Ptychobranchus greenii	Triangular Kidneyshell	P1	X	X		X	X	X	X		**X**	
Ptychobranchus jonesi	Southern Kidneyshell	P1	**X**					X			X	
Pustulosa archeri	Tallapoosa Orb	P1	X					X	X	X	**X**	
Reginaia rotulata	Round Ebonyshell	P1	**X**					X			X	
Strophitus undulatus	Creeper	P1	**X**	X	X			X	X		X	

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Theliderma metanevra	Monkeyface	P1	X	X	X		**X**	X	X	X	X	
Toxolasma corvunculus	Southern Purple Lilliput	P1	X								**X**	
Toxolasma cylindrellus	Pale Lilliput	P1	**X**					**X**			X	
Utterbackia peggyae	Florida Floater	P1	X								**X**	
Cambarunio nebulosus	Alabama Rainbow	P2	**X**					X	X		X	
Cambarunio taeniatus	Painted Creekshell	P2	**X**	X	X	X		X	X	X	X	
Fusconaia burkei	Tapered Pigtoe	P2	**X**	X	X	X	X	X	X	X	X	
Fusconaia escambia	Narrow Pigtoe	P2	**X**		X		X		X	X	X	
Hamiota altilis	Finelined Pocketbook	P2	**X**	X	X	X	X	X	X	X	X	
Hamiota australis	Southern Sandshell	P2	**X**	X	X	X	X	X	X	X	X	
Hamiota perovalis	Orangenacre Mucket	P2	**X**	X	X	X	X	X	X	X	X	X
Leaunio umbrans	Coosa Creekshell	P2	**X**	X	X	X	X	X	X	X	X	
Pleurobema decisum	Southern Clubshell	P2	**X**	X	X	X	X	X	X	X	X	
Pleurobema strodeanum	Fuzzy Pigtoe	P2	**X**				X		X		X	
Potamilus inflatus	Inflated Heelsplitter	P2	X	X	X	X	X	X	X	X	**X**	
Pseudodonoideus connasaugaensis	Alabama Creekmussel	P2	**X**					X	X		X	
Pustulosa infucata	Sculptured Pigtoe	P2	**X**								X	
Theliderma cylindrica	Rabbitsfoot	P2	**X**	X	X		X	X	X		X	
Theliderma johnsoni	Southern Monkeyface	P2	**X**								X	
Villosa villosa	Downy Rainbow	P2	X	X			X	X	X		**X**	
Amblema elliottii	Coosa Fiveridge	P3	**X**				X				X	
Arcidens confragosus	Rock Pocketbook	P3	X				X			X	**X**	
Cambarunio iris	Rainbow	P3	X	X	X		X	X	**X**	X	X	X

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Elliptio crassidens	Elephantear	P3	**X**	X	X		X	X	X	X	X	
Elliptio mcmichaeli	Fluted Elephantear	P3	X		X					X	**X**	
Lampsilis fasciola	Wavyrayed Lampmussel	P3	**X**								X	
Lasmigona alabamensis	Alabama Heelsplitter	P3	**X**	X							X	
Lasmigona costata	Flutedshell	P3	**X**	X	X		X		X		X	
Pseudodonoideus subvexus	Southern Creekmussel	P3	X	X	X	X	X	X	X	X	**X**	
Quadrula nobilis	Gulf Mapleleaf	P3	X	X	X	X	X	X	X	**X**	X	X
Strophitus williamsi	Flatwoods Creekshell	P3	X		X	X		X		X	**X**	
Toxolasma paulum	Iridescent Lilliput	P3	X								**X**	
Utterbackiana hartfieldorum	Cypress Floater	P3	X								**X**	
Utterbackiana heardi	Apalachicola Floater	P3									**X**	
Freshwater Snails												
Elimia varians	Puzzle Elimia	EX	**X**								X	
Io fluvialis	Spiny Riversnail	EX	**X**					X			X	
Leptoxis foremani	Interrupted Rocksnail	EX	**X**					X			X	
Lithasia curta	Knobby Rocksnail	EX					X			X	**X**	
Probythinella emarginata	Delta Hydrobe	EX									**X**	
Rhodacmea hinkleyi	Knobby Ancylid	EX									**X**	
Valvata bicarinata	Two-ridge Valvata	EX									**X**	
Antrorbis breweri	Manitou Cavesnail	P1		X	X	X			**X**	X		
Athearnia anthonyi	Anthony's Riversnail	P1	X		X			**X**	X	X	X	X
Campeloma decampi	Slender Campeloma	P1	X		X				**X**	X	X	X
Elimia annettae	Lilyshoals Elimia	P1	**X**				X		X	X	**X**	

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Elimia bellacrenata	Princess Elimia	P1	X	**X**					X	X	X	
Elimia broccata	Brooch Elimia	P1								**X**		
Elimia capillaris	Spindle Elimia	P1	**X**					X	X	X	X	
Elimia cochliaris	Cockle Elimia	P1		**X**				X	X	X	X	
Elimia crenatella	Lacy Elimia	P1	X							**X**	X	
Elimia lachryma	Teardrop Elimia	P1	X							X	**X**	
Elimia melanoides	Black Mudalia	P1					**X**			**X**		
Elimia mihalcikae	Latticed Elimia	P1								**X**		
Elimia nassula	Round-ribbed Elimia	P1					**X**			X		
Elimia teretria	Auger Elimia	P1								**X**	X	
Elimia ucheensis	Creek Elimia	P1								**X**	X	
Elimia vanuxemiana	Cobble Elimia	P1							X	**X**	X	
Fontigens nickliniana	Watercress Snail	P1								X	**X**	
Leptoxis compacta	Oblong Rocksnail	P1					**X**			X	X	
Leptoxis coosaensis	Painted Rocksnail	P1	X				**X**			X	X	X
Leptoxis picta	Spotted Rocksnail	P1						**X**		X	**X**	
Leptoxis plicata	Plicate Rocksnail	P1						**X**		**X**		
Lepyrium showalteri	Flat Pebblesnail	P1					**X**			X		
Lioplax cyclostomaformis	Cylindrical Lioplax	P1					X		X	**X**	X	
Lioplax pilsbryi	Choctaw Lioplax	P1								X	**X**	
Lithasia salebrosa	Muddy Rocksnail	P1					X			**X**	X	
Marstonia pachyta	Armored Marstonia	P1					X		X	**X**	X	
Pleurocera corpulenta	Corpulent Hornsnail	P1	X				X			**X**	X	

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SCIENTIFIC NAME	COMMON NAME	RANK	CONSERVATION ACTIONS									
			1	2	3	4	5	6	7	8	9	10
Pseudotryonia grahamae	Salt Spring Hydrobe	P1		X						**X**		
Rhodacmea cahawbensis	Cahaba Ancylid	P1	X				**X**		X	X		
Rhodacmea filosa	Wicker Ancylid	P1	X					X	X	**X**	X	
Stiobia nana	Sculpin Snail	P1					**X**			**X**		
Clappia cahabensis	Cahaba Pebblesnail	P2					**X**		X	X	X	X
Elimia acuta	Acute Elimia	P2							**X**	X	X	
Elimia ampla	Ample Elimia	P2					X		X	**X**	X	
Elimia boykiniana	Flaxen Elimia	P2								X	**X**	
Elimia dickinsoni	Stately Elimia	P2								**X**	X	
Elimia exusta	Fire Elimia	P2								**X**	X	
Elimia olivula	Caper Elimia	P2								X	**X**	
Elimia perstriata	Engraved Elimia	P2					**X**			X	X	
Leptoxis ampla	Round Rocksnail	P2			X		**X**			X		
Lithasia armigera	Armored Rocksnail	P2					X			**X**		
Lithasia lima	Warty Rocksnail	P2					X			**X**		
Marstonia angulobasis	Angled Marstonia	P2					X			**X**	X	
Marstonia scalariformis	Moss Pyrg	P2					X		X	X	**X**	
Tulotoma magnifica	Tulotoma	P2	**X**		X		**X**			X		X
Amnicola limosus	Mud Amnicola	P3								X	**X**	
Callinina intertexta	Rotund Mysterysnail	P3								X	**X**	
Cincinnatia integra	Midland Siltsnail	P3								X	**X**	
Dilatata brogniartiana	Disc Sprite	P3								X	**X**	
Elimia alabamensis	Mud Elimia	P3								**X**	X	

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SCIENTIFIC NAME	COMMON NAME	RANK	CONSERVATION ACTIONS									
			1	2	3	4	5	6	7	8	9	10
Elimia albanyensis	Black-crest Elimia	P3								X	**X**	
Elimia bellula	Walnut Elimia	P3							X	X	**X**	
Elimia buffyae	Iris Elimia	P3								X	**X**	
Elimia bullula	Yellowleaf Elimia	P3								X	**X**	
Elimia chiltonensis	Prune Elimia	P3								X	**X**	
Elimia clenchi	Slackwater Elimia	P3								X	**X**	
Elimia comma	Hispid Elimia	P3								X	**X**	
Elimia cylindracea	Cylinder Elimia	P3								X	**X**	
Elimia glarea	Gravel Elimia	P3								X	**X**	
Elimia lecontiana	Rippled Elimia	P3								**X**	X	
Elimia showalteri	Compact Elimia	P3					**X**			X		
Galba cubensis	Carib Fossaria	P3					**X**			X	X	
Lioplax sulculosa	Furrowed Lioplax	P3					X			**X**		
Littoridinops monroensis	Cockscomb Hydrobe	P3								X	**X**	
Littoridinops palustris	Bantam Hydrobe	P3								X	**X**	
Lyogyrus granum	Squat Duskysnail	P3					X		X	X	**X**	
Marstonia hershleri	Coosa Pyrg	P3								X	**X**	
Marstonia sp.	Cahaba Marstonia	P3	X				X		X	X	**X**	
Notogillia wetherbyi	Alligator Siltsnail	P3								X	**X**	
Planorbula armigera	Thicklip Ramshorn	P3								X	**X**	
Pleurocera attenuata	Attenuate Hornsnail	P3								**X**		
Pleurocera brumbyi	Spiral Hornsnail	P3								**X**	X	
Pleurocera foremani	Rough Hornsnail	P3								**X**		

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SCIENTIFIC NAME	COMMON NAME	RANK	CONSERVATION ACTIONS									
			1	2	3	4	5	6	7	8	9	10
Pleurocera postelli	Broken Hornsnail	P3								**X**	X	
Pleurocera showalteri	Upland Hornsnail	P3								**X**	X	
Pleurocera trochiformis	Sulcate Hornsnail	P3								**X**	X	
Pleurocera vestita	Brook Hornsnail	P3								**X**	X	
Pleurocera walkeri	Telescope Hornsnail	P3					X		X	**X**		
Pomacea paludosa	Florida Applesnail	P3								**X**		
Rhapinema dacryon	Teardrop Snail	P3								X	**X**	
Rhodacmea elatior	Domed Ancylid	P3	X							**X**		
Somatogyrus aureus	Golden Pebblesnail	P3	X							**X**	X	
Somatogyrus biangulatus	Angular Pebblesnail	P3	X							**X**	X	
Somatogyrus constrictus	Knotty Pebblesnail	P3	X							**X**	X	
Somatogyrus coosaensis	Coosa Pebblesnail	P3	X							**X**	X	
Somatogyrus crassus	Stocky Pebblesnail	P3	X							**X**	X	
Somatogyrus currierianus	Tennessee Pebblesnail	P3	X							**X**	X	
Somatogyrus decipiens	Hidden Pebblesnail	P3	X							**X**	X	
Somatogyrus excavatus	Ovate Pebblesnail	P3	X							**X**	X	
Somatogyrus georgianus	Cherokee Pebblesnail	P3	X							**X**	X	
Somatogyrus hendersoni	Fluted Pebblesnail	P3	X							**X**	X	
Somatogyrus hinkleyi	Granite Pebblesnail	P3	X							**X**	X	
Somatogyrus humerosus	Atlas Pebblesnail	P3	X							**X**	X	
Somatogyrus nanus	Dwarf Pebblesnail	P3	X							**X**	X	
Somatogyrus obtusus	Moon Pebblesnail	P3	X							**X**	X	
Somatogyrus pilsbryanus	Tallapoosa Pebblesnail	P3	X							**X**	X	

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SCIENTIFIC NAME	COMMON NAME	RANK	CONSERVATION ACTIONS									
			1	2	3	4	5	6	7	8	9	10
Somatogyrus pumilus	Compact Pebblesnail	P3	X							**X**	X	
Somatogyrus pygmaeus	Pygmy Pebblesnail	P3	X							**X**	X	
Somatogyrus quadratus	Quadrate Pebblesnail	P3	X							**X**	X	
Somatogyrus sargenti	Mud Pebblesnail	P3	X							**X**	X	
Somatogyrus strengi	Rolling Pebblesnail	P3	X							**X**	X	
Somatogyrus substriatus	Choctaw Pebblesnail	P3	X							**X**	X	
Somatogyrus tennesseensis	Opaque Pebblesnail	P3	X							**X**	X	
Somatogyrus walkerianus	Gulf Coast Pebblesnail	P3	X							X	**X**	
Vascular Plants												
Balduina atropurpurea	Purpledisk Honeycombhead	EX	X					X		X	X	
Coreopsis delphiniifolia	Larkspurleaf Tickseed	EX								X	X	
Eleocharis wolfii	Wolf's Spikerush	EX	X								X	
Gaultheria procumbens	Wintergreen	EX	X	X						X	X	
Helianthus glaucophyllus	Whiteleaf Sunflower	EX	X							X	X	X
Liparis loeselii	Loesel's Twayblade	EX								X	X	X
Najas filifolia	Narrowleaf Naiad	EX				X			X	X	X	
Najas gracillima	Thread Like Naiad	EX				X			X	X	X	
Phoebanthus tenuifolius	Pineland False Sunflower	EX	X								X	
Polygonella fimbriata	Sandhill Jointweed	EX	X	X						X	X	
Polygonum glaucum	Seabeach Knotweed	EX	X							X	X	
Sabulina michauxii	Rock Sandwort	EX								X	X	
Sabulina paludicola	Godfrey's Sandwort	EX								X	X	
Spiranthes brevilabris	Short Lipped Ladies' Tresses	EX	X	X				X			X	

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			1	2	3	4	5	6	7	8	9	10
Thermopsis fraxinifolia	Ashleaf Golden Banner	EX								X	X	
Aconitum uncinatum	Blue Monkshood	P1	X	**X**						X	X	X
Agalinis auriculata	Auriculate False Foxglove	P1	X	X							X	X
Agalinis gattingeri	Gattinger's False Foxglove	P1	X	**X**						X	X	X
Agalinis georgiana	Georgia False Foxglove	P1	**X**	X						X	X	X
Agrimonia incisa	Incised Groovebur	P1	X	**X**						X	X	
Allium speculae	Little River Canyon Onion	P1	X		X	X			**X**		X	
Ampelaster carolinianus	Carolina Aster	P1	X		X				X	X	X	
Andropogon arctatus	Pinewoods Bluestem	P1	**X**	X						X	X	X
Arabis georgiana	Georgia Rockcress	P1	X	**X**		X		X		X	X	X
Arabis patens	Spreading Rockcress	P1	X	**X**						X	X	X
Aristida mohrii	Mohr's Three Awn	P1	**X**	X						X	X	X
Aristida simpliciflora	Southern Three Awn	P1	X	**X**						X	X	X
Arnica acaulis	Leopardsbane	P1	X	X		X			X	X	**X**	X
Arnoglossum diversifolium	Variable Leaf Indian Plantain	P1	X	**X**				X		X	X	X
Asclepias connivens	Large Flower Milkweed	P1	X	**X**						X	X	X
Asclepias purpurascens	Purple Milkweed	P1	X			X				X	**X**	X
Asclepias viridula	Southern Milkweed	P1	**X**	X				X	X		X	X
Asplenium abscissum	Cutleaf Spleenwort	P1	X	**X**							X	X
Asplenium monanthes	Single Sorus Spleenwort	P1	X	**X**			X		X	X	X	
Asplenium scolopendrium var. *americanum*	American Hart's Tongue Fern	P1	X	**X**				X		X		X
Asplenium tutwilerae	Scott's Spleenwort	P1	X	**X**	X	X		X		X	X	

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			1	2	3	4	5	6	7	8	9	10
Astragalus obcordatus	Florida Milkvetch	P1	X	**X**						X	X	X
Astrolepis integerrima	Southwestern Cloak Fern	P1	X						X	X		X
Aureolaria patula	Spreading False Foxglove	P1	X							**X**	X	X
Baptisia hirsuta	Hairy Wild Indigo	P1	X	**X**						X	X	X
Berberis canadensis	American Barberry	P1	X		X	X		**X**		X	X	
Bolboschoenus fluviatilis	River Bulrush	P1	X							X	X	X
Bulbostylis warei	Ware's Hairsedge	P1	X	**X**					X	X	X	X
Callirhoe papaver	Woods Poppy Mallow	P1	X	**X**					X	X	X	X
Callirhoe triangulata	Clustered Poppy Mallow	P1	X							X	X	X
Calopogon multiflorus	Many Flower Grass Pink	P1	**X**	X				X	X		X	
Carex acidicola	Acid LovingSedge	P1	X	X	**X**	X		X			X	
Carex austrodeflexa	Southern Sedge	P1	X								X	
Carex austrolucorum	Southern Blue Ridge Sedge	P1	X							X	X	X
Carex baltzellii	Baltzell's Sedge	P1	X	**X**							X	X
Carex barrattii	Barratt's Sedge	P1	X	**X**							X	X
Carex exilis	Coastal Sedge	P1	X	**X**							X	X
Carex fissa var. *aristata*	Hammock's Sedge	P1	X							X	X	X
Carex godfreyi	Godfrey's Sedge	P1	X							X	X	X
Carex oklahomensis	Oklahoma Sedge	P1	X								X	X
Carex thornei	Thorne's Sedge	P1	X	**X**				X	X		X	X
Carex timida	Timid Sedge	P1	X	X	**X**	X					X	X
Carex vestita	Velvet Sedge	P1	X							**X**	X	X
Castilleja kraliana	Cahaba Paintbrush	P1	X		X	**X**			X		X	

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			1	2	3	4	5	6	7	8	9	10
Celastrus scandens	Climbing Bittersweet	P1	X						X	X	X	X
Chasmanthium nitidum	Shiny Spikegrass	P1							X	X	X	X
Chrysopsis godfreyi	Godfrey's Golden Aster	P1	X	**X**					X	X	X	X
Chrysosplenium americanum	American Golden Saxifrage	P1	X	X						X	X	X
Cirsium muticum	Swamp Thistle	P1	X	**X**						X	X	X
Cirsium nuttallii	Nuttall's Thistle	P1	**X**	X		X		X		X	X	
Cladium mariscoides	Twig Rush	P1	X	X				X	X	X	X	
Claytosmunda claytoniana	Interrupted Fern	P1		X						X	**X**	
Cleistesiopsis bifaria	Small Spreading Pogonia	P1	X	X						X	X	X
Clematis morefieldii	Morefield's Leather Flower	P1	X	**X**	X	X		X	X	X	X	X
Clematis socialis	Alabama Leather Flower	P1	X	X	**X**	X			X	X	X	X
Clematis versicolor	Pale Leather Flower	P1	X							X	X	X
Clethra acuminata	Mountain Pepperbush	P1	X								X	X
Clinopodium glabellum	Ozark Savory	P1	X	**X**							X	X
Coelorachis tuberculosa	Florida Jointgrass	P1	X	**X**						X	X	X
Collinsia verna	Spring Blue Eyed Mary	P1	X	X					X	X	X	X
Coreopsis grandiflora var. *inclinata*	Ketona Tickseed	P1	X	**X**	X	X				X	X	X
Coreopsis nudata	Georgia Tickseed	P1	**X**	X					X	X	X	X
Crataegus alabamensis var. *teres*	Montgomery Hawthorn	P1	X							X	X	
Crataegus ashei	Ashe's Hawthorn	P1	**X**	X	X			X	X		X	
Crataegus austromontana	Valley Head Hawthorn	P1	X							X	X	
Crataegus furtiva	Albany Hawthorn	P1	X							X	X	
Crataegus meridionalis	Southern Downy Hawthorn	P1	X							X	X	

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Crataegus mollis	Downy Hawthorn	P1	X							X	X	
Crataegus triflora	Three Flower Hawthorne	P1	X						X		**X**	
Croton elliottii	Elliott's Croton	P1	X	**X**		X		X	X		X	
Cuthbertia rosea	Piedmont Roseling	P1	**X**							X	X	X
Cypripedium candidum	Small White Lady's Slipper	P1	X	**X**					X	X	X	
Cypripedium kentuckiense	Southern Lady's Slipper	P1	X	**X**					X	X	X	X
Dalea cahaba	Cahaba Prairie Clover	P1	X							X	X	X
Dalea foliosa	Leafy Prairie Clover	P1	X	**X**	X	X		X	X		X	X
Dendrolycopodium obscurum	Tree Clubmoss	P1								X	X	X
Didiplis diandra	Water Purselane	P1									**X**	X
Draba ramosissima	Rocktwist	P1	X					**X**			X	
Drosera rotundifolia	Roundleaf Sundew	P1	X							X	X	X
Eleocharis bifida	Glades Spikerush	P1	X	**X**						X	X	X
Epilobium coloratum	Purple Leaf Willow Herb	P1	X							X	X	X
Erigeron dolomiticola	Cahaba Daisy Fleabane	P1	X	**X**						X	X	X
Eriogonum harperi	Harper's Umbrella Plant	P1	**X**	X						X	X	X
Euphorbia inundata	Florida Pineland Spurge	P1	X	**X**						X	X	X
Eurybia eryngiifolia	Coyote Thistle Aster	P1	X	**X**						X	X	X
Eurybia jonesiae	Jones's Aster	P1	X	**X**						X	X	X
Eurybia macrophylla	Large Leaf aster	P1	X							X	X	X
Eustachys floridana	Two Spike Finger Grass	P1	X			**X**				X	X	X
Evolvulus sericeus	Creeping Morning Glory	P1	X							X	X	X
Fimbristylis brevivaginata	Glade Fimbrystylis	P1	X	X				X	X	X	**X**	

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Fothergilla milleri	Dwarf Witch Alder	P1	X	X	X	X		**X**		X	X	X
Fuirena longa	Chapman's Umbrella Sedge	P1	X							**X**	X	X
Galactia floridana	Florida Milk Pea	P1	X	**X**						X	X	X
Gordonia lasianthus	Loblolly Bay	P1	X	**X**	X	X		X	X	X	X	
Gratiola amphiantha	Little Amphianthus	P1	X	**X**					X	X	X	X
Habenaria quinqueseta	Michaux's Orchid	P1	X	**X**					X	X	X	X
Harperella nodosa	Harperella	P1	X	X	X	X			**X**		X	X
Helianthus floridanus	Florida Sunflower	P1	X							X	X	X
Helianthus verticillatus	Whorled Sunflower	P1	X	X	X	**X**	X	X	X	X	X	X
Hexastylis finzelii	Finzel's Wild Ginger	P1				X				X	**X**	X
Hexastylis rollinsiae	Rollins' Wild Ginger	P1	X	**X**	X	X		X	X		X	X
Hymenophyllum tayloriae	Taylor's Filmy Fern	P1	X	**X**						X	X	
Hypericum lloydii	Lloyd's St. John's Wort	P1	X	**X**						X	X	X
Hypericum microsepalum	Flatwoods St. John's Wort	P1	X	**X**						X	X	X
Iris prismatica	Slender Blue Iris	P1	X	**X**						X	X	X
Isoetes boomii	Boom's Quillwort	P1	X	**X**		X				X	X	
Isoetes flaccida	Southern Quillwort	P1	X	**X**						X	X	
Isoetes graniticola	Granite Loving Quillwort	P1	X	**X**						X	X	
Isoetes hyemalis	Evergreen Quillwort	P1	X	**X**						X	X	
Isoetes louisianensis	Louisiana Quillwort	P1	X	**X**						X	X	X
Isotrema macrophyllum	Pipevine	P1	X							X	X	X
Juglans cinerea	Butternut	P1	X					**X**	X	X	X	X
Juncus dudleyi	Dudley's Rush	P1	X							X	X	X

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Juncus paludosus	Swamp Rush	P1	X							**X**	X	X
Juniperus communis var. *depressa*	Ground Juniper	P1			X	X		**X**	X	X	X	X
Lachnocaulon engleri	Engler's Bogbutton	P1	X	**X**						X	X	X
Lathyrus palustris	Vetchling Peavine	P1	X							X	X	X
Leavenworthia crassa	Fleshy Fruit Gladecress	P1	X	**X**	X				X	X	X	X
Leavenworthia torulosa	Necklace Gladecress	P1	X							X	**X**	X
Leptogramma burksiorum	Alabama Streak Sorus Fern	P1		X		X			X	X	**X**	
Liatris cylindracea	Slender Blazing Star	P1	X							X	X	X
Liatris oligocephala	Cahaba Torch	P1	X	X		X			X		**X**	X
Lilium iridollae	Panhandle Lily	P1	X	**X**						X	X	X
Lindera melissifolia	Pondberry	P1	X	**X**	X			X		X	X	X
Lindera subcoriacea	Bog Spicebush	P1	X	**X**						X	X	X
Linum harperi	Harper's Grooved Flax	P1	X							X	X	X
Linum macrocarpum	Flax	P1	**X**	X	X			X	X		X	
Lithospermum decipiens	Alabama Marbleseed	P1	X	**X**						X	X	X
Lobelia boykinii	Boykin's Lobelia	P1	**X**	X	X	X		X	X		X	
Lycium carolinianum	Christmas Berry	P1	X	**X**						X	X	
Lycopodium clavatum	Running Pine	P1	X							X	X	X
Lygodesmia aphylla	Rose Rush	P1	X							X	X	X
Lysimachia fraseri	Fraser's Loosestrife	P1	X	**X**						X	X	X
Macranthera flammea	Flame Flower	P1	X	**X**						X	X	X
Magnolia fraseri	Fraser's Magnolia	P1		X	X	X		**X**		X	X	
Matelea alabamensis	Alabama Anglepod	P1	X	**X**	X			X	X		X	X

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			1	2	3	4	5	6	7	8	9	10
Melanthium woodii	Wood's False Hellebore	P1	X	**X**				X	X	X	X	
Melica nitens	Three Flower Melic Grass	P1	X	**X**				X	X	X	X	
Micranthes careyana	Carey Saxifrage	P1		X						X	**X**	
Mitreola angustifolia	Narrowleaf Hornpod	P1	X							X	**X**	X
Monotropsis odorata	Sweet Pinesap	P1	X	**X**						X	X	
Oenothera curtissii	Curtiss' Evening Primrose	P1	X								**X**	X
Orbexilum lupinellus	Lupine Scurfpea	P1	X	**X**						X	X	X
Orbexilum simplex	Single Stem Scurfpea	P1	X							X	**X**	X
Orthochilus ecristatus	Crestless Eulophia	P1	**X**	X				X		X	X	X
Panicum philadelphicum ssp. *lithophilum*	Flatrock Panic Grass	P1	X	**X**							X	X
Parnassia grandifolia	Large Leaf Grass of Pasrnassus	P1	X							X	**X**	X
Paronychia americana	American Nailwort	P1	X	**X**						X	X	X
Paronychia argyrocoma	Silvery Nailwort	P1	X	**X**						X	X	X
Paronychia herniarioides	Coastal Plain Nailwort	P1	X							X	X	X
Paronychia virginica	Yellow Nailwort	P1	X							X	X	X
Paysonia densipila	Duck River Bladderpod	P1	X	**X**						X	X	
Paysonia lyrata	Lyrate Bladderpod	P1	**X**	X				X		X	X	X
Phacelia strictiflora var. *robbinsii*	Prairie Scorpion Weed	P1	X							X	X	X
Phemeranthus parviflorus	Small Flowered Flame Flower	P1	X							X	X	X
Phlox pulchra	Wherry's Phlox	P1	X			X		X		X	**X**	X
Phyllanthopsis phyllanthoides	Maidenbush	P1	X			X				X	X	X
Physostegia leptophylla	Tidal Marsh Obedient Plant	P1	X							X	X	X

Table 4.2 Species of greatest conservation need (SGCN) conservation actions. Bold and underlined "**X**" conservation actions indicate highest priorities.

SCIENTIFIC NAME	COMMON NAME	RANK	CONSERVATION ACTIONS									
			1	2	3	4	5	6	7	8	9	10
Pilularia americana	American Pillwort	P1	X	**X**						X	X	X
Pinguicula planifolia	Chapman's Butterwort	P1	X	**X**						X	X	X
Pinguicula pumila	Small Butterwort	P1	X	X					X	X	**X**	X
Pinus serotina	Pond Pine	P1	**X**	X		X		X	X	X	X	
Pityopsis pinifolia	Sandhill Golden Aster	P1	X	**X**						X	X	X
Platanthera conspicua	Large White Fringed Orchid	P1	**X**	X					X	X	X	X
Platanthera integra	Yellow Fringeless Orchid	P1	**X**	X						X	X	X
Platanthera nivea	Snowy Orchis	P1	**X**	X				X	X	X	X	X
Pleea tenuifolia	Rush Featherling	P1	**X**	X						X	X	X
Polanisia tenuifolia	Slenderleaf Clammyweed	P1	**X**	X				X	X	X	X	
Polygala balduinii	White Milkwort	P1	X							X	X	X
Polygala leptostachys	Georgia Milkwort	P1	X	**X**						X	X	X
Polygala senega	Senega Snakeroot	P1	X							X	X	X
Polygonella macrophylla	Large Leaf Jointweed	P1	X	**X**						X	X	X
Primula frenchii	French's Shooting Star	P1	X	**X**						X	X	
Pterocaulon virgatum	Wand Blackroot	P1	**X**	X		X		X	X	X	X	X
Pycnanthemum curvipes	Mountain Mint	P1	X	**X**						X	X	X
Pycnanthemum nudum	Coastal Plain Mountain Mint	P1	**X**	X				X	X	X	X	X
Pycnanthemum virginianum	Virginia Mountain Mint	P1	X							X	X	X
Quercus minima	Dwarf Live Oak	P1	X	X	X	X		**X**		X	X	
Quercus oglethorpensis	Oglethorpe's Oak	P1	X	X	**X**	X		X		X	X	
Quercus similis	Bottomland Post Oak	P1			X	X		X		X	**X**	
Ranunculus longirostris	Eastern White Water Crowfoot	P1								X	X	

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SCIENTIFIC NAME	COMMON NAME	RANK	CONSERVATION ACTIONS									
			1	2	3	4	5	6	7	8	9	10
Rhexia aristosa	Awned Meadowbeauty	P1	X	**X**						X	X	X
Rhexia parviflora	White Meadowbeauty	P1	X	**X**	X			X	X		X	X
Rhexia salicifolia	Panhandle Meadowbeauty	P1	**X**	X						X	X	X
Rhododendron cumberlandense	Cumberland Azalea	P1			X	X		**X**		X	X	
Rhus typhina	Staghorn Sumac	P1	X							X	X	
Rhynchospora alba	White Beakrush	P1	X							X	X	X
Rhynchospora brachychaeta	West Indian Beakrush	P1	X							**X**	X	X
Rhynchospora capillacea	Horned Beakrush	P1	X								X	X
Rhynchospora fernaldii	Fernald's Beakrush	P1	X							**X**	X	X
Rhynchospora harperi	Harper's Beakrush	P1	X	**X**							X	X
Rhynchospora pinetorum	Small's Beakrush	P1	X	**X**							X	X
Rhynchospora pleiantha	Brown's Beakrush	P1	X	**X**							X	X
Rhynchospora stiletto	Stiletto Beaksedge	P1	X	**X**						X	X	X
Rubus hispidus	Swamp Dewberry	P1	X							X	X	X
Rudbeckia nitida	Shiny Coneflower	P1	X							X	X	X
Rudbeckia palustris	Seep Orange Coneflower	P1	X							X	X	X
Ruellia noctiflora	Night Flowering Wild Petunia	P1	X	**X**		X			X	X	X	X
Sabatia grandiflora	Large Flowered Pink	P1	**X**	X						X	X	X
Sabatia quadrangula	Four Angled Pink	P1	X							X	X	X
Sabulina fontinalis	Seepage Starwort	P1		**X**						X	X	
Sagittaria secundifolia	Kral's Water Plantain	P1	X			X		X	**X**	X	X	
Salix floridana	Florida Willow	P1	X	**X**				X		X	X	X

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SCIENTIFIC NAME	COMMON NAME	RANK	CONSERVATION ACTIONS									
			1	2	3	4	5	6	7	8	9	10
Sarracenia alabamensis ssp. *alabamensis*	Alabama Canebrake Pitcher Plant	P1	**X**	X	X	X		X		X	X	X
Sarracenia alabamensis ssp. *wherryi*	Wherry's Sweet Pitcher Plant	P1	X	**X**	X	X		X		X	X	X
Sarracenia oreophila	Green Pitcher Plant	P1	**X**	X	X	X		X		X	X	X
Sarracenia rubra ssp. gulfensis	Gulf Coast Red Pitcher Plant	P1	**X**		X	X		X		X	X	X
Sceptridium jenmanii	Alabama Grapefern	P1	X	**X**						X	X	
Schoenus nigricans	Blacksedge	P1	X							X	X	X
Schwalbea americana	American Chaffseed	P1	X	X		X		**X**		X	X	X
Sedum pusillum	Granite Rock Stonecrop	P1	X	**X**						X	X	
Sideroxylon thornei	Georgia Bully	P1	X	**X**						X	X	X
Silene regia	Royal Catchfly	P1	X			X				X	X	X
Silphium glutinosum	Sticky Rosinweed	P1	X	**X**		X				X	X	X
Silphium perplexum	Old Cahaba Rosinweed	P1	X			X		**X**	X	X	X	X
Sisyrinchium calciphilum	Glade Blue Eyed Grass	P1	X	**X**						X	X	X
Solanum pseudogracile	Dune Nightshade	P1	X						X	X	X	X
Solanum pumilum	Dwarf Horse Nettle	P1	X	**X**				X		X	X	X
Solidago arenicola	Locust Fork Goldenrod	P1	X	**X**							X	
Solidago leavenworthii	Leavenworth's Goldenrod	P1	X							X	X	X
Solidago porteri	Porter's Goldenrod	P1	X	**X**		X				X	X	X
Spigelia alabamensis	Alabama Pinkroot	P1	X	**X**		X			X	X	X	X
Spigelia gentianoides	Gentian Pinkroot	P1	**X**	X		X		X		X	X	X
Spiraea tomentosa	Hardhack	P1	X	**X**						X	X	X
Spiranthes floridana	Florida Ladies' Tresses	P1	X	X						X	**X**	X

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SCIENTIFIC NAME	COMMON NAME	RANK	CONSERVATION ACTIONS									
			1	2	3	4	5	6	7	8	9	10
Spiranthes lucida	Shining Ladies' Tresses	P1								X	**X**	
Sporobolus curtissii	Pineland Dropseed	P1	X	**X**						X	X	X
Sporobolus floridanus	Florida Dropseed	P1	X							X	X	X
Stachys alabamica	Alabama Hedge-nettle	P1	X			**X**				X	X	X
Stachys nelsonii	Nelson's Hedge-nettle	P1	X	**X**						X	X	X
Steironema gramineum	Grassleaf Loosestrife	P1	**X**	X				X	X	X	X	X
Steironema lewisii	Lewis' Yellow Loosestrife	P1	X							**X**	X	
Stillingia aquatica	Water Toothleaf	P1	X	**X**						X	X	X
Stylisma pickeringii	Pickering's Morning Glory	P1	X	**X**						X	X	X
Symphyotrichum chapmanii	Savannah Aster	P1	X	**X**						X	X	X
Symphyotrichum oolentangiense	Sky Blue Aster	P1	X							X	X	X
Synandra hispidula	Guyandotte Beauty	P1	X							X	X	X
Thelesperma filifolium	Stiff Greenthread	P1	X	X						X	X	X
Thermopsis mollis	Appalachian Golden Banner	P1	X	**X**						X	X	
Thermopsis villosa	Hairy False Lupine	P1	X	**X**						X	X	X
Trifolium reflexum	Buffalo Clover	P1	X	**X**						X	X	X
Trilisa paniculata	Hairy Chaffhead	P1	**X**	X		X		X	X	X	X	
Trillium grandiflorum	Large Flower Trillium	P1	X					X	X	X	**X**	X
Trillium reliquum	Relict Trillium	P1	X	**X**		X				X	X	X
Utricularia olivacea	Dwarf Bladderwort	P1	X	**X**						X	X	
Utricularia resupinata	Northeastern Bladderwort	P1	X							X	X	
Verbena hastata	Blue Vervain	P1	X							X	X	X
Verbesina walteri	Carolina Crownbeard	P1	X	**X**						X	X	X

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SCIENTIFIC NAME	COMMON NAME	RANK	CONSERVATION ACTIONS									
			1	2	3	4	5	6	7	8	9	10
Viburnum ashei	Ashe's Arrowwood	P1	X	**X**				X	X	X	X	
Viburnum obovatum	Small Leaf Viburnum	P1	X	**X**				X	X	X	X	
Viburnum rafinesqueanum	Downy Arrowwood	P1	X						X	X	X	
Vitis mustangensis	Mustang Grape	P1	X							X	X	
Waldsteinia lobata	Piedmont Barren Strawberry	P1	X	**X**						X	X	X
Warea sessilifolia	Sessile Leaf Warea	P1	**X**	X						X	X	X
Xerophyllum asphodeloides	Turkeybeard	P1	**X**	X	X					X	X	
Xyris brevifolia	Shortleaf Yellow Eyed Grass	P1	X							X	X	X
Xyris chapmanii	Chapman's Yellow Eyed Grass	P1	X	**X**						X	X	X
Xyris flabelliformis	Savanna Yellow Eyed Grass	P1	X							X	X	X
Xyris isoetifolia	Quillwort Yellow Eyed Grass	P1	X	**X**						X	X	X
Xyris spathifolia	Ketona Yellow Eyed Grass	P1	**X**	X	X	X		X		X	X	X
Actaea rubifolia	Appalachian Bugbane	P2	X	**X**						X	X	X
Agalinis aphylla	Leafless False Foxglove	P2	X	X						X	X	X
Agalinis divaricata	Pineland False Foxglove	P2	X	**X**						X	X	X
Agalinis filicaulis	Thin Stem False Foxglove	P2	X	**X**						X	X	X
Agastache nepetoides	Yellow Giant Hyssop	P2	X							X	X	X
Allium tricoccum	Wild Leek	P2				X			X	X	X	X
Amorpha nitens	Indigo Bush	P2						X		X	X	X
Amphicarpum muehlenbergianum	Blue Maidencane	P2	X							X	X	X
Amsonia rigida	Stiff Bluestar	P2	X							X	X	X
Andropogon capillipes	Chalky Bluestem	P2	**X**	X						X	X	X
Andropogon perangustatus	Narrowleaf Bluestem	P2	X							X	X	X

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SCIENTIFIC NAME	COMMON NAME	RANK	CONSERVATION ACTIONS									
			1	2	3	4	5	6	7	8	9	10
Apios priceana	Price's Potato Bean	P2	X	**X**		X		X		X	X	X
Aristida spiciformis	Pine Barren Three Awn	P2	X							X	X	X
Asclepias cinerea	Carolina Milkweed	P2	X							X	X	X
Asclepias exaltata	Poke Milkweed	P2	X							X	X	X
Asplenium ruta-muraria	Wall Rue Spleenwort	P2	X						X	X	X	X
Astragalus villosus	Hoary Milkvetch	P2	X							X	X	X
Baptisia aberrans	Blue Wild Indigo	P2	X							X	X	X
Baptisia megacarpa	Apalachicola Wild Indigo	P2	**X**	X				X	X	X	X	X
Blephilia subnuda	Smooth Blephilia	P2	X	**X**					X	X	X	
Boykinia aconitifolia	Brook Saxifrage	P2	X	**X**						X	X	X
Brickellia cordifolia	Flyr's Brickell Bush	P2	X	**X**						X	X	X
Calamovilfa arcuata	Cumberland Sandgrass	P2	X	**X**						X	X	
Calliphysalis carpenteri	Carpenter's Groundcherry	P2	X	**X**						X	X	X
Callirhoe alcaeoides	Clustered Poppy Mallow	P2	X						X	X	X	X
Calopogon oklahomensis	Oklahoma Grass Pink	P2	**X**	X					X	X	X	X
Canna flaccida	Bandana of the Everglades	P2	X							X	X	X
Carex austrina	Southern Sedge	P2	X							X	X	X
Carex austrocaroliniana	Tarheel Sedge	P2	X							X	X	X
Carex brysonii	Bryson's Sedge	P2							**X**	X	X	X
Carex dasycarpa	Velvet Sedge	P2	X							X	X	X
Carex eburnea	Ebony Sedge	P2								X	X	
Carex impressinervia	Impressed Nerve Sedge	P2	X	X					**X**	X	X	X
Carex mesochorea	Midland Sedge	P2	X							X	X	X

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			1	2	3	4	5	6	7	8	9	10
Castilleja coccinea	Scarlet Indian Paintbrush	P2	X	X						X	X	X
Chamaecrista horizontalis	Florida Senna	P2	**X**	X	X			X	X	X	X	X
Chelone lyonii	Pink Turtlehead	P2	X	**X**						X	X	X
Cirsium lecontei	LeConte's Thistle	P2	X	**X**						X	X	X
Claytonia caroliniana	Carolina Spring Beauty	P2								X	X	X
Coelorachis tessellata	Lattion Jointgrass	P2	**X**	X				X		X	X	
Comandra umbellata	Eastern Bastard Toadflax	P2	X	**X**	X					X	X	X
Coreopsis pulchra	Woodland Tickseed	P2	X	**X**	X	X		X	X	X	X	X
Crataegus aemula	Rome Hawthorn	P2	X	X	X			X		X	**X**	X
Crataegus alabamensis var. *alabamensis*	Alabama Hawthorn	P2	X					X		X	X	X
Crataegus alabamensis var. *florens*	Mississippi Hawthorn	P2	X					X		X	X	X
Crataegus aprica	Sunny Hawthorn	P2	X					X		X	X	X
Crataegus macrosperma	Eastern Hawthorn	P2	X					X		X	X	X
Crataegus mendosa	Albertville Hawthorn	P2	X					X		X	X	X
Crataegus munda	Batesburg Hawthorn	P2	X					X	X	X	X	X
Crataegus pruinosa var. *pruinosa*	Frosted Hawthorn	P2	X					X		X	X	X
Crataegus quaesita var. *quaesita*	Florida Hawthorn	P2	X					X		X	X	X
Crataegus venusta	Red Mountain Hawthorn	P2						X		X	X	X
Crocanthemum arenicola	Coastal Sand Frostweed	P2	X	**X**						X	X	X
Croton alabamensis var. *alabamensis*	Alabama Croton	P2	X	**X**		X		X	X	X		
Cuscuta harperi	Harper's Dodder	P2	X	**X**					X	X	X	X

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Delphinium carolinianum ssp. *calciphilum*	Glade Larkspur	P2	X	X						X	X	X
Desmodium floridanum	Florida Tick Trefoil	P2	X	X						X	X	X
Dichanthelium nudicaule	Naked Stem Witch Grass	P2	X							X	X	X
Didymoglossum petersii	Dwarf Bristle Fern	P2	X	**X**						X	X	X
Drosera tracyi	Tracy's Sundew	P2	X	**X**					X	X	X	X
Dyschoriste oblongifolia	Oblong Leaf Drychoriste	P2	X							X	X	X
Eleocharis rostellata	Beaked Spikerush	P2	X	**X**						X	X	
Elodea canadensis	Broad Waterweed	P2								X	X	
Equisetum arvense	Field Horsetail	P2								X	X	
Erythronium albidum	White Trout Lily	P2	X							X	**X**	X
Eurybia spectabilis	Showy Aster	P2	X	**X**						X	X	X
Fimbristylis perpusilla	Harper's Fimbristylis	P2	X	**X**						X	X	
Fothergilla major	Mountain Witch Alder	P2						X	X	X	X	X
Galium lanceolatum	Torrey's Wild Licorice	P2	X							X	X	X
Hedeoma drummondii	Drummond's Pennyroyal	P2	**X**	X		X		X		X	X	X
Helianthus eggertii	Eggert's Sunflower	P2	X					X		X	X	X
Helianthus porteri	Confederate Daisy	P2	X	**X**						X	X	X
Heuchera longiflora	Long Flower Alumroot	P2	X	**X**						X	X	
Hexastylis speciosa	Harper's Heartleaf	P2	X	**X**	X	X		X	X	X	X	
Hibiscus coccineus	Brilliant Hibiscus	P2	X	X		X				X	X	
Hottonia inflata	Featherfoil	P2								X	**X**	X
Huperzia lucidula	Shining Clubmoss	P2	X							X	X	

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Huperzia porophila	Rock Clubmoss	P2	X	**X**						X	X	
Hydrophyllum appendiculatum	Appendage Waterleaf	P2	X							X	X	X
Ilex amelanchier	Serviceberry Holly	P2	X	**X**				X		X	X	
Iva microcephala	Small Head Marsh Elder	P2	**X**	X		X		X	X	X	X	
Juncus gymnocarpus	Naked Fruit Rush	P2	X							X	X	X
Juncus interior	Inland Rush	P2	X							X	X	X
Kalmia hirsuta	Hairy Laurel	P2	X	X				X	**X**	X	X	
Lachnocaulon digynum	Pineland Bogbutton	P2	X							X	X	X
Leavenworthia alabamica	Alabama Gladecress	P2	X	X	**X**	X			X	X	X	X
Leavenworthia exigua var. *lutea*	Pasture Gladecress	P2	X	**X**						X	X	X
Leavenworthia uniflora	Michaux's Gladecress	P2	X	**X**						X	X	X
Liatris chapmanii	Chapman's Gayfeather	P2	X	**X**					X	X	X	X
Lilium canadense	Canada Lily	P2	X							X	**X**	X
Lilium michiganense	Michigan Lily	P2	X							X	**X**	X
Lilium superbum	Turk's Cap Lily	P2	X	**X**				X		X	X	X
Liparis liliifolia	Lily Leaf Twayblade	P2	X	**X**						X	X	X
Lithospermum molle	False Gromwell	P2	X							X	X	X
Ludwigia arcuata	Pond Seedbox	P2	X							X	X	X
Luziola bahiensis	Brazilian Luziola	P2								X	X	X
Lygodium palmatum	Climbing Fern	P2								X	X	X
Marshallia mohrii	Mohr's Barbara's Buttons	P2	X	**X**	X	X		X		X	X	X
Matelea baldwyniana	Baldwin's Milkvine	P2	X	X						X	**X**	X
Melanthium hybridum	Slender Bunchflower	P2	**X**	X						X	X	X

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Melanthium parviflorum	Small Flower False Hellebore	P2	X	X						X	X	X
Nemastylis geminiflora	Prairie Pleatleaf	P2	X							X	X	X
Neviusia alabamensis	Alabama Snow Wreath	P2	X	**X**		X				X	X	X
Nuphar ulvacea	Sea Lettuce Pondlily	P2	X	X			X	**X**		X	X	
Nymphaea mexicana	Banana Water Lily	P2		**X**						X	X	
Oenothera heterophylla ssp. *orientalis*	Alabama Evening Primrose	P2	X	**X**						X	X	X
Paronychia rugelii	Rugel's Nailwort	P2	X	**X**						X	X	X
Pediomelum subacaule	Nashville Breadroot	P2	**X**	X				X		X	X	X
Penstemon kralii	Kral's Beardtongue	P2	X	**X**						X	X	X
Penstemon multiflorus	Many Flower Beardtongue	P2	**X**	X						X	X	X
Perideridia americana	Eastern Yampah	P2	X	**X**						X	X	X
Persicaria hirsuta	Hairy Smartweed	P2	X							X	X	X
Phacelia dubia var. *georgiana*	Georgia Scorpion Weed	P2	X	**X**						X	X	X
Phacelia maculata	Flatrock Phacelia	P2	X	**X**						X	X	X
Phemeranthus calcaricus	Limestone Fame Flower	P2	X	**X**						X	X	X
Phemeranthus teretifolius	Appalachian Rock Pink	P2	X							X	X	X
Physalis arenicola	Cypress Head Ground Cherry	P2	X	**X**						X	X	X
Pieris phillyreifolia	Climbing Fetterbush	P2	X	**X**					X	X	X	
Pilea fontana	Springs Clearweed	P2	X							X	X	X
Plantago cordata	Heartleaf Plantain	P2	X	**X**					X	X	X	X
Platanthera integrilabia	White Fringeless Orchid	P2	X	**X**	X	X			X	X	X	X
Platanthera lacera	Green Fringed Orchid	P2	X	X					X	X	**X**	X
Platanthera peramoena	Purple Fringeless Orchid	P2	X	X					X	X	**X**	X

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			1	2	3	4	5	6	7	8	9	10
Polygala crenata	Crenate Milkwort	P2	X	X					X	X	X	X
Polygala hookeri	Hooker Milkwort	P2	X	X					X	X	X	X
Polygonella americana	Southern Jointweed	P2	X							X	X	X
Polymnia laevigata	Tennessee Leafcup	P2	X	**X**					X	X	X	X
Prosartes maculata	Spotted Mandarin	P2	X							X	X	X
Ptilimnium costatum	Ribbed Mock Bishopweed	P2	X	**X**						X	X	
Quercus boyntonii	Boynton's Sand Post Oak	P2	X	X	X	X		X	X	X	**X**	X
Quercus georgiana	Georgia Oak	P2	X	**X**	X	X		X		X	X	X
Ranunculus flabellaris	Yellow Water Crowfoot	P2	X							X	X	X
Rhododendron colemanii	Red Hills Azalea	P2	X	X	**X**	X		X		X	X	X
Rhododendron prunifolium	Plumleaf Azalea	P2	X	**X**	X	X		X		X	X	X
Rhynchospora decurrens	Swamp Forest Beakrush	P2								**X**	X	X
Rhynchospora macra	Southern White Beakrush	P2	X	**X**						X	X	X
Rhynchospora saxicola	Stone Mountain Beakrush	P2	X	**X**						X	X	X
Rhynchospora thornei	Thorne's Beakrush	P2	X	**X**						X	X	X
Ribes cynosbati	Prickly Gooseberry	P2								X	X	
Rubus allegheniensis	Allegheny Blackberry	P2								X	X	X
Rudbeckia auriculata	Eared Coneflower	P2	X	**X**				X		X	X	X
Rudbeckia heliopsidis	Sun Facing Coneflower	P2	**X**	X	X					X	X	X
Rudbeckia mollis	Soft Hair Coneflower	P2	X	**X**						X	X	X
Rudbeckia triloba var. *pinnatiloba*	Pinnate Leaf Coneflower	P2	**X**							X	X	X
Sabatia brevifolia	Short Leaved Pink	P2	X	X					X	X	X	X
Sageretia minutiflora	Small Flower Buckthorn	P2	X	**X**						X	X	X

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SCIENTIFIC NAME	COMMON NAME	RANK	CONSERVATION ACTIONS									
			1	2	3	4	5	6	7	8	9	10
Sagittaria isoetiformis	Slender Arrowhead	P2								X	X	X
Salvia chapmanii	Chapman's Nettle Leaf Sage	P2	X	**X**						X	X	X
Sarracenia leucophylla	Whitetop Pitcher Plant	P2	**X**	X	X	X		X	X	X	X	X
Sarracenia rosea	Rose Pitcher Plant	P2	**X**	X	X	X		X	X	X	X	X
Schisandra glabra	Bay Starvine	P2	X	**X**						X	X	X
Schizachyrium maritimum	Gulf Bluestem	P2	X	**X**						X	X	
Schoenoplectus deltarum	Delta Bulrush	P2	X	**X**						X	X	
Schoenoplectus subterminalis	Water Bulrush	P2	X							X	X	
Scutellaria alabamensis	Alabama Skullcap	P2	X	**X**						X	X	X
Scutellaria glabriuscula	Glabrous Skullcap	P2	X	**X**		X				X	X	X
Sedum nevii	Nevius' Stonecrop	P2	X	**X**						X	X	
Sideroxylon reclinatum	Buckthorn	P2	X	**X**						X	X	X
Silene rotundifolia	Roundleaf Catchfly	P2								X	X	
Sporobolus teretifolius	Wireleaf Dropseed	P2	X	**X**						X	X	X
Stewartia ovata	Mountain Camellia	P2	X			X			X	X	**X**	X
Stylophorum diphyllum	Celandine Poppy	P2	X							X	X	X
Symphyotrichum elliottii	Elliott's Aster	P2	X							X	X	X
Symphyotrichum pratense	Prairie Aster	P2	X							X	X	X
Thalia dealbata	Powdery Thalia	P2	X							X	X	X
Thalictrum mirabile	Little Mountain Meadowrue	P2	X	**X**						X	X	
Tradescantia ernestiana	Ernest's Spiderwort	P2	X							X	X	X
Trillium sessile	Toadshade	P2	X							X	X	X
Trillium sulcatum	Southern Red Trillium	P2	X							X	X	X

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			1	2	3	4	5	6	7	8	9	10
Triphora trianthophoros	Three Birds Orchid	P2	X							X	**X**	X
Utricularia floridana	Florida Bladderwort	P2	X	**X**						X	X	X
Valeriana pauciflora	Valerian	P2	X						X	X	X	X
Viburnum alabamense	Alabama Arrowwood	P2						X		X	X	
Viburnum bracteatum	Limerock Arrowwood	P2	X	**X**				X		X	X	
Viola canadensis	Canada Violet	P2	X	**X**				X		X	X	
Xyris longisepala	Kral's Yellow Eyed Grass	P2	X	**X**						X	X	X
Xyris louisianica	Louisiana Yellow Eyed Grass	P2	X	**X**						X	X	X
Xyris serotina	Acid Swamp Yellow Eyed Grass	P2	X	X						X	X	X
Xyris tennesseensis	Tennessee Yellow Eyed Grass	P2	X	**X**						X	X	X
Zanthoxylum americanum	Northern Pricky Ash	P2	X	**X**				X	X	X	X	
Zephyranthes simpsonii	Red Margin Zephyr Lily	P2	X	**X**						X	X	X
Agalinis linifolia	Flax Leaf False Foxglove	P3	X							X	X	X
Agalinis oligophylla	Ridge Stem False Foxglove	P3	X	**X**						X	X	X
Aplectrum hyemale	Puttyroot	P3	X	X					X	X	X	X
Aralia racemosa	American Spikenard	P3	X					X		X	X	X
Asclepias rubra	Red Milkweed	P3	X							X	X	X
Asplenium bradleyi	Bradley's Spleenwort	P3								X	X	
Astragalus canadensis	Canadian Milkvetch	P3	X							X	X	X
Astragalus tennesseensis	Tennessee Milkvetch	P3	X	**X**						X	X	X
Bidens cernua	Nodding Beggarticks	P3	X							X	X	X
Boltonia apalachicolensis	Apalachicola Doll's Daisy	P3	X			**X**				X	X	X
Carex decomposita	Cypress Knee Sedge	P3	X							X	X	X

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			1	2	3	4	5	6	7	8	9	10
Clinopodium talladeganum	Talladega Wild Basil	P3	X	**X**						X	X	X
Corallorhiza odontorhiza	Autumn Coralroot	P3	X						X	X	**X**	X
Cotinus obovatus	American Smoketree	P3			X	X		**X**		X	X	X
Crataegus alabamensis var. *ravenelii*	Ravenel's Hawthorn	P3						X		X	X	X
Crataegus alleghaniensis	Allegheny Hawthorn	P3						X		X	X	X
Crataegus calpodendron	Pear Hawthorn	P3						X		X	X	X
Crataegus frugiferens	Fruitful Allegheny Hawthorn	P3						X		X	X	X
Crataegus lacrimata	Pensacola Hawthorn	P3						X		X	X	X
Crataegus opaca	Riverflat Hawthorn	P3						X		X	X	X
Crataegus pruinosa var. *gattingeri*	Gattinger's Frosted Hawthorn	P3						X		X	X	X
Crataegus quaesita var. *egens*	Sand Barren Hawthorn	P3						X		X	X	X
Crataegus quaesita var. *floridana*	Jacksonville Hawthorn	P3						X		X	X	X
Crataegus sargentii	Sargent's Hawthorn	P3						X		X	X	X
Crataegus sororia	Sister Hawthorn	P3						X		X	X	X
Crataegus visenda	Bristol Hawthorn	P3						X		X	X	X
Croomia pauciflora	Croomia	P3	X	**X**						X	X	X
Dalea gattingeri	Gattinger's Prairie Clover	P3	X	X						X	X	X
Danthonia epilis	Bog Wild Oatgrass	P3	X							X	X	X
Delphinium alabamicum	Alabama Larkspur	P3	X	**X**		X				X	X	X
Desmodium ochroleucum	Cream Tick Trefoil	P3	**X**	X				X	X		X	X
Diarrhena americana	American Beakgrain	P3	X							X	X	X
Echinacea simulata	Prairie Purple Coneflower	P3	X	**X**	X	X		X		X	X	
Eleocharis melanocarpa	Black Fruit Spikerush	P3								X	X	X

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Eleocharis robbinsii	Robbins' Spikerush	P3								X	X	X
Elymus churchii	Church's Wild Rye	P3	X	**X**						X	X	
Eriocaulon lineare	Narrow Pipewort	P3	X	X						X	X	X
Eriocaulon texense	Texas Pipewort	P3	X	X						X	X	X
Eupatorium anomalum	Florida Thoroughwort	P3	X			**X**				X	X	X
Eurybia surculosa	Creeping Aster	P3	X	**X**						X	X	X
Galactia mollis	Soft Milk Pea	P3	X							X	X	X
Geum vernum	Spring Avens	P3								X	X	
Helanthium tenellum	Mud Babies	P3	X							X	X	X
Helianthus longifolius	Longleaf Sunflower	P3	X	**X**	X					X	X	
Helianthus smithii	Smith's Sunflower	P3	X	**X**						X	X	
Hymenocallis coronaria	Shoals Spider Lily	P3	X		X	X	X	**X**	X			X
Hypericum dolabriforme	Straggling St. John's Wort	P3	X							X	X	X
Hypericum nudiflorum	Pretty St. John's Wort	P3	X							X	X	X
Isoetes appalachiana	Appalachian Quillwort	P3	X							X	X	X
Isoetes butleri	Butler's Quillwort	P3	X							X	X	X
Isoetes piedmontana	Piedmont Quillwort	P3	X	**X**						X	X	X
Isotria verticillata	Large Whorled Pogonia	P3	X						X	X	X	X
Jamesianthus alabamensis	Jamesianthus	P3	X	**X**	X	X		X		X	X	
Juncus georgianus	Georgia Rush	P3	X							X	X	X
Juncus nodatus	Stout Rush	P3								X	X	
Kosteletzkya pentacarpos	Southern Seashore Mallow	P3	X							X	X	X
Lepuropetalon spathulatum	Little People	P3	X							X	X	X

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Lilaeopsis carolinensis	Carolina Lilaeopsis	P3								X	X	X
Ludwigia spathulata	Spathulate Seedbox	P3	X	**X**	X				X	X	X	
Mikania cordifolia	Florida Keys Hempweed	P3	X	X						**X**	X	
Mirabilis albida	Pale Umbrella Wort	P3	X							X	X	X
Monarda clinopodia	Basil Beebalm	P3	X							X	X	X
Muhlenbergia sobolifera	Cliff Muhly	P3								X	X	X
Nestronia umbellula	Nestronia	P3	**X**	X					X	X	X	X
Oxalis grandis	Giant Woodsorrel	P3	X	X						X	X	X
Panicum philadelphicum	Philadelphia Panic Grass	P3	X								X	X
Physalis angustifolia	Coastal Ground Cherry	P3	X	**X**	X	X				X	X	X
Pinguicula primuliflora	Streamside Butterwort	P3	X	**X**						X	X	X
Pityopsis oligantha	Coastal Plain Golden Aster	P3	X	**X**						X	X	X
Psilotum nudum	Whiskfern	P3								X	X	
Pyrularia pubera	Buffalo Nut	P3								X	X	
Quercus macrocarpa	Bur Oak	P3	**X**	X	X	X		X		X	X	
Rhododendron austrinum	Orange Azalea	P3			**X**	X		X			X	X
Rhododendron minus	Carolina Rhododendron	P3		X	**X**	X		X		X	X	
Rhynchospora crinipes	Mosquito Beakrush	P3								X	X	
Rhynchospora microcephala	Small Head Beakrush	P3	X							X	X	X
Rhynchospora stenophylla	Chapman Beakrush	P3	X							X	X	X
Rhynchospora tracyi	Tracy's Beakrush	P3	X							X	X	X
Sabatia capitata	Rose Gentian	P3	X	**X**						X	X	X
Silene caroliniana var. *wherryi*	Wherry's Catchfly	P3	**X**							X	X	X

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			1	2	3	4	5	6	7	8	9	10
Silphium brachiatum	Cumberland Rosinweed	P3	**X**	X				X		X	X	
Silphium mohrii	Mohr's Rosinweed	P3	X		X	X				X	X	X
Solidago brachyphylla	Dixie Goldenrod	P3	X	**X**						X	X	X
Solidago buckleyi	Buckley's Goldenrod	P3	X	**X**						X	X	X
Spiranthes longilabris	Giant Spiral Ladies' Tresses	P3	**X**	X						X	X	X
Stellaria corei	Chickweed	P3								X	X	X
Stenanthium texanum	Crow Poison	P3	X	X						X	X	X
Stewartia malacodendron	Silky Camellia	P3	X	**X**		X		X		X	X	X
Stylisma aquatica	Water Southern Morning Glory	P3	X							X	X	X
Symphyotrichum kralii	Kral's Aster	P3	**X**	X					X	X	X	
Symphyotrichum simmondsii	Simmond's Aster	P3	X	X					X	X	X	
Thalictrum debile	Southern Meadowrue	P3	X	**X**	X	X			X	X	X	
Thalictrum macrostylum	Piedmont Meadowrue	P3	X							X	X	X
Trillium pusillum var. *ozarkanum*	Ozark Wakerobin	P3	X							X	**X**	X
Trillium recurvatum	Prairie Trillium	P3	X							X	**X**	X
Trillium rugelii	Southern Nodding Trillium	P3	X	**X**						X	X	X
Trillium vaseyi	Vasey's Trillium	P3	X							X	**X**	X
Uvularia floridana	Florida Bellwort	P3	X							X	X	X
Veronicastrum virginicum	Culver's Root	P3								X	X	X
Viola egglestonii	Eggleston's Violet	P3	**X**	X						X	X	X
Xyris scabrifolia	Harper's Yellow Eyed Grass	P3	X	X						X	X	X
Xyris stricta	Pineland Yellow Eyed Grass	P3	X	X						X	X	X

In summary, the conservation actions outlined in **Element 4** provide Alabama with a strategic, science-based path forward for protecting its SGCN and the habitats on which they depend. By combining habitat restoration, targeted species management, collaborative partnerships, and continued research, Alabama can address both immediate threats and long-term challenges to the resource. These actions are not only essential for preventing further declines, but also for sustaining the ecological integrity, cultural heritage, and economic benefits that wildlife provides to communities across the state. Successful implementation will require broad cooperation among agencies, conservation organizations, landowners, and citizens, ensuring that Alabama's extraordinary natural legacy endures for generations to come.