

Tennessee State Wildlife Action Plan 2015

Appendix A - Overview of AFWA Best Practices for State Wildlife Action Plans addressed in the Tennessee State Wildlife Action Plan

TN-SWAP 2015 APPENDIX A: Overview of AFWA Best Practices for State Wildlife Action Plans addressed in the Tennessee State Wildlife Action Plan

Setting Conservation Priorities

- Engage multiple stakeholders in the prioritization process.
- Be explicit and transparent about which criteria are used so it will be clear and repeatable to any user how the priorities were established.
- Strive for a comprehensive, multi-scale approach and direct conservation efforts toward biodiversity at the coarsest scale an area can support, and then determine the extent to which ecosystems and species at finer scales can be targeted.

Element 1: Species of Greatest Conservation Need

Information on the distribution and abundance of species of wildlife including low and declining populations as the state fish and wildlife agency deems appropriate, that are indicative of the diversity and health of the state's wildlife

Assessing Conservation Status

- To increase consistency when comparing SGCN lists across states, use accepted or official taxonomic standards for plant and animal species.
- Use NatureServe ranking procedures to characterize risk of extinction and extirpation of species and ecosystems.
- In addition, update the SGCN list early in the revision process to make it available for revisions of other sections.

Element 2: Key Habitats

Descriptions of locations and relative condition of key habitats and community types essential to conservation of species identified

Habitat Classification Standards and Systems

- When selecting a habitat classification system, ensure that map units are identifiable, scalable, and model-able.
- Use a well-accepted hierarchical vegetation classification standard to classify land cover or habitats for SWAPs. Examples include NatureServe's Terrestrial Ecological Systems of the United States (Comer et al. 2003, NatureServe 2012b) or the US National Vegetation Classification (USNVC) (GreenInfo Network 2012).
- While the development of standardized classification systems for aquatic habitats is less advanced than for terrestrial systems, there are some existing and some emerging regional systems that could be useful. If your region has a standardized system, use it.

Mapping and Modeling

- Identify and spatially depict priority areas on the landscape that offer the best opportunities and potential for SGCN conservation as determined by each state, and use the generic term Conservation Opportunity Areas (COAs) for these focal areas.
- Incorporate existing spatial priorities developed from other multistate conservation planning efforts or partners if the goals and fundamental assumptions are compatible with the SWAP.
- Clearly articulate the purpose and intended use of all maps, underlying assumptions and limitations, and timeline for updating the maps. Map development methods should also be transparent and repeatable. Clearly state that the use of the generic term "COA" does not imply use of a standardized methodology (since no such thing exists). Several states have reported conflicts with partners and stakeholders due to having published maps without adequately communicating what the maps are meant to depict and how they should, and should not, be used.
- To overcome the inconsistency and incompatibility of scale, and to create seamless planning products across partnership boundaries within states (and as appropriate for regional or national projects), align SWAPs along ecological boundaries (e.g., Bailey's ecoregions, The Nature Conservancy's (TNC) Ecoregions, Omernik's ecoregions, the National Geographic Framework [LCCs]).
- Use models (e.g., ESSA Technology's Vegetation Dynamics Development Tool and Cumulative Effects Analysis Tool, etc.) to forecast landscape-scale vegetation dynamics through time.
- Select classification systems, mapping units, and other such methodologies and data sources that will support the ultimate integration of SWAP priorities into future implementation of regional and national conservation initiatives.
- Maintain flexibility in modeling methodology to keep models dynamic and capable of incorporating new and revised data sets, as well as to ensure their currency, and avoid producing a single decision output hindered by model preconceptions.

Element 3: Problems affecting species and habitats

Descriptions of problems which may adversely affect species identified or their habitats, and priority research and survey efforts needed to identify factors which may assist in restoration and improved conservation of these species and habitats

Threats

- Use the definitions and hierarchical classification in Salafsky et al.'s (2008) *A Standard Lexicon for Biodiversity Conservation: Unified Classifications of Threats and Actions* to describe the general components of any given conservation project and to categorize threats.

- Clearly distinguish among stresses, direct threats, contributing factors sensu Salafsky et al. (2008).

Climate Change

- Include climate change and its impacts as one of the criteria used in selecting and prioritizing SGCN.
- Follow recommendations outlined in AFWA's *Voluntary Guidance for States to Incorporate Climate Change into State Wildlife Action Plans and Other Management Plans*—specifically as described in “Chapter 3: SWAP Revision Process” (Association of Fish and Wildlife Agencies 2009).
- Conduct vulnerability assessments to inform the selection of SGCN and conservation actions. Use *Scanning the Conservation Horizon: A Guide to Climate Change Vulnerability Assessment* (Glick et al. 2011b) to determine the best approach for conducting a vulnerability assessment for habitats and species at an appropriate level (as determined by each state).
- Link climate impact to priority actions. Using the best available climate data, specify which impact (e.g., sea-level rise, prolonged drought, increased precipitation, increased fire, etc.) will result in which threat, and which action will address that impact.
- Integrate key characteristics of climate-smart conservation when developing conservation actions (see <http://www.nwf.org/Home/Global-Warming/Climate-Smart-Conservation/Adaptation-Principles.aspx>). Example characteristics include: consider broader landscape context, develop forward-looking goals, and consider climate impacts on conservation action or project success.
- Consider key adaptation approaches when developing conservation actions as described in West et al. (2009). Examples include: reduce non-climate stresses, protect key ecosystem features, and ensure connectivity.
- Work with regional partners such as Landscape Conservation Cooperatives (LCCs) and Department of Interior Climate Science Centers (CSCs) to use climate information and resources as well as ensure that they incorporate state-based information into their programs and resources.

Mitigation

- Cultivate awareness, support, and partnerships between the agencies/divisions responsible for SWAP implementation and the agencies/divisions responsible for mitigation oversight.
- Include spatially-explicit layers of high-priority areas to facilitate the use of SWAPs in mitigation efforts.

Element 4: Prioritize conservation actions

Descriptions of conservation actions proposed to conserve the identified species and habitats and priorities for implementing such action

Conservation Actions

- Use the definitions and hierarchical classification in Salafsky et al.'s (2008) *A Standard Lexicon for Biodiversity Conservation: Unified Classifications of Threats and Actions* to describe the general components of any given conservation project, and categorize conservation actions. The 2015 TN SWAP update utilized the February 2015 beta V2 version of the Salafsky et al. (Conservation Measures Partnership) threats hierarchy.
- Design conservation actions to abate known threats and indicate metrics to measure effectiveness of conservation actions.
- Write conservation actions broadly enough to allow flexibility, yet with enough specificity to measure performance and engage partners.

Element 5: Monitoring & Adaptive Management

Proposed plans for monitoring species identified and their habitats, for monitoring the effectiveness of the conservation actions proposed, and for adapting these conservation actions to respond appropriately to new information or changing conditions

Effectiveness Measures

- Design monitoring programs with the aim of making the resulting data as useful to conservation and science as possible (see Nichols and Williams 2006).
- Use scientifically-sound monitoring protocols designed to detect changes that will inform assessments of SWAP effectiveness.
- Assess populations, habitats, and effectiveness at multiple scales. Trends observed within a state's boundaries are often best understood within a broader spatial and temporal context. Collaborate with other agencies and NGOs in established, long-term, multistate efforts to contribute to, and gain from, broader spatiotemporal perspectives of status and trends.
 - Collaborate with existing monitoring programs, including the North American Breeding Bird Survey, Audubon Christmas Bird Count, Xerces Society Fourth of July Butterfly Count, North American Amphibian Monitoring Program, and Marine Mammal Stranding Network.
 - Coordinate state-level habitat monitoring with forest condition data from the USDA Forest Service Forest Inventory and Analysis National Program, and landscape level fish habitat conditions from the National Fish Habitat Partnership (Esselman et al. 2009).
 - Participate in research and conservation alliances such as Landscape Conservation Cooperatives (LCCs), international bird conservation groups, and regional agency associations. These organizations can provide a framework

- for discussions of monitoring and reporting needs, development of funding proposals, and seamless integration of monitoring efforts.
- Specify assessable objectives for each conservation action and select performance measures appropriate for each objective. Employ the AFWA Effectiveness Measures in project planning and implementation.

Element 6: Procedures for review & revision

Descriptions of the procedures to review the strategy at intervals not to exceed ten years

State and USFWS Coordination Before and During Revision Processes

- Use Table 1 below to supplement the 2007 joint USFWS/AFWA *Guidance for State Wildlife Action Plan (Comprehensive Wildlife Conservation Strategy) Review and Revisions* to better understand the requirements and best practices for the three types of SWAP revisions.

Comprehensive Review and Revision Package Documents

- Use the Submittal Checklist (pg. 27) for preparing the submittal package, appropriate to the level of revision.

Review and Revision Frequency

- Align review interval with other relevant conservation planning documents to identify shared conservation actions and objectives, and to be mindful of the timeframes for conservation outcomes.

Addressing Emerging Issues

- Changes to SWAPs to reflect emerging issues, including changes to a living online database connected to and informing SWAPs, can be addressed through documented coordination with the USFWS Regional Office rather than through a formal review/revision as long as the issue is included in the next revision.

Element 7: Coordination with Partners

Design and execute approaches for coordinating the development, implementation, review, and revision of the plan with federal, state, and local agencies and Indian tribes that manage significant land and water areas within the state or administer programs that significantly affect the conservation of identified species and habitats.

Conservation Partner Engagement

- Provide mechanisms for conservation partner engagement to further collaboration and understanding of how their input is used and valued (e.g., incorporate crosswalks, use online comment retention, and provide regular updates).

- For key taxa (e.g., insects, plants) and other needs which the state has limited regulatory authority, staff expertise, or funding, include those taxa in the SWAP but engage outside partners (e.g., taxa-based or targeted professional societies, conservation organizations, other agencies with authority, universities) or seek additional funding to create a more comprehensive vision of SGCN, habitats, threats, and conservation actions.
- In consultation with conservation partners, scale the level of partner participation (plus associated staff time and other resources related to that outreach) with the type/degree of review/revision (i.e., comprehensive review would benefit from more extensive, broad partnership engagement than a minor revision).
- Ask conservation partners to feature the state's review/revision updates, including public information meetings and requests for comments, in their constituency communications (e.g., newsletters, Web sites, social media updates, e-blasts).
- Provide recognition for partners that contributed significantly to the SWAP to instill a sense of ownership and desire to protect and implement the plan.

SWAP Ease of Use and Accessibility

- To reduce length, incorporate information by reference rather than reiterating text (e.g., refer reader to the best resources for detailed species accounts).
- Send a hardcopy and link of approved revisions to AFWA to update the national SWAP Web site.
- Also send SWAP Coordinator contact information to AFWA as needed.
- Provide a Web link to the entire document as well as a segmented and searchable version of the SWAP, using software that is easily accessible and used by the public and diverse audiences (e.g., free software downloads online such as Adobe Reader for PDF file viewing). Ideally, provide a linked set of documents, references, tools, etc. that are easily updated, compared to a static, fixed documents.
- Create a section or companion document, or refer the reader to resources (e.g., The Conservation Registry, NatureServe, the National Geographic Society's LandScope America, USFWS Wildlife TRACS) on project effectiveness, conservation progress, successes, and implementation efforts that have been realized, or are in progress as a result of the SWAP.

Partnerships

- Develop partnerships early on and revisit them as often as necessary to promote ownership and buy-in, maintain positive, supportive relationships, and ensure that SWAPs are *state* plans rather than *state agency* plans. Formalize partnerships as appropriate.

- Strategically create committees and teams for development, revision, and implementation. For each committee, determine which skills, knowledge, and decision-making authorities are needed to strategically target potential members.
 - Include broad agency perspectives.
 - Throughout the lifetime of the SWAP, maintain a regular working relationship with the implementation committee by convening joint planning and reporting meetings.
- Cultivate a partnership with the Natural Resources Conservation Service (NRCS). Identify key NRCS staff and engage them in SWAP implementation committees.
- Cultivate a partnership with Landscape Conservation Cooperatives (LCCs) to bring additional partners together to identify shared priorities and identify landscape-level actions.
- Familiarize yourself with state Forest Action Plans; contact the state forester to coordinate updates, identify common priorities, and find other ways to coordinate the two plans.
- Coordinate with the US Department of Defense (DoD) Legacy Resource Management Program through the Integrated Natural Resource Management Plans (INRMPs)
- Work with neighboring state fish and wildlife agencies. Reach out to agencies with similar SGCN and habitats to pool resources for regional conservation efforts including problem identification, funding, mapping, and tracking the effectiveness of conservation actions.
- Evaluate the state Teaming With Wildlife (TWW) Coalition. The size and vitality of coalitions vary depending on the urgency of funding needs, or the availability of opportunities. Work with a partner organization to maintain contact with coalition members. Assess whether your coalition is meeting your needs and evaluate options for revitalizing your coalition if needed.
- Develop a communications plan. Identify key constituent groups and audiences, and involvement goals appropriate to each audience. Define communication strategies that will be effective at getting information to, and gathering feedback from, affected groups. Strategies can include outreach through print and electronic media, direct consultation through meetings and events, and quantitative public opinion data collection and human dimensions research. Host a SWAP Summit with identified stakeholders if goals include reinvigorating partnerships, sharing information, soliciting input, sharing successes, and/or garnering support.
- Engage partners in SWAP communications. Ask conservation partners to promote conservation projects, progress, and successes through their constituencies and outreach mechanisms (e.g., Web sites, social media, e-blasts).
- Use a team approach (with species and habitat biologists as well as GIS experts) to develop models and maps. Solicit and consider as much external review as possible along the way. This will ensure a better technical product and generate buy-in to encourage greater acceptance and use of the product.

Element 8: Public Participation

Broad public participation is an essential element of developing and implementing State Wildlife Action Plans, the conservation projects, and identifying the species in greatest need of conservation

- Notify the public of the state's intent to revise its SWAP early in the revision process. Ensure that the general public has an opportunity to review and comment on the plan before it is submitted. Give 30–60 days for the public comment period.
- Develop and implement a public participation process that (1) identifies key constituent groups/ audiences, (2) identifies involvement goals appropriate to each audience, and (3) defines involvement strategies that will be effective at getting information to, and gathering feedback from, affected groups. Make a deliberate effort to reach out to stakeholders and involve them in the process above and beyond formal agency public review processes. These strategies can include outreach through print and electronic media, direct consultation through meetings and events, and quantitative public opinion data collection/human dimensions research.
- Document within the SWAP both the process used and the consideration of comments received.
- File and archive all comments received, as well as actions taken with regard to each comment.
- Scale the level of public participation and comment solicitation with the type of review or revision (i.e., comprehensive, major, or minor) to make effective use of state agency resources.
- When reaching out to the public, link the plan to established community values (e.g., birdwatching, fishing, economic development, land protection, water quality, agriculture, quality of life). Acknowledge existing conservation efforts and emphasize the voluntary nature of the plan. Use direct and honest language. Effective public engagement galvanizes support for the SWAP and brings partners and funding to implementation.

Tennessee State Wildlife Action Plan 2015
Appendix B - Summary of major comments by
conservation partners and public reviewers and
responses to comments

Appendix B: Summary of major comments by conservation partners and public reviewers and responses to comments.

Conservation Partner Reviews, March and April 2015

Two separate meetings were held in March and April, 2015, in order to solicit feedback from a wide variety of government agency and NGO conservation partners. At each meeting, participants were led through guided work sessions with the following topics and questions.

Work Session 1: Review of draft Conservation Opportunity Areas (COAs). Please refer to the draft conservation area maps when answering these questions.

1. Do you feel that these draft COAs provide a framework that can help groups work together on common areas and objectives?
2. Do any boundaries need adjusting? Is anything big missing?
3. Can you help us identify a specific project location within one or more COAs where we can immediately work together?

Work Session 2: Collaborative strategies discussion, by theme (Agriculture, Watersheds, Private lands protection, Species/population restoration, Outreach & Education). Please refer to document provided with General & Specific Actions in addressing these questions.

1. What types of general strategies can we work on together that are relevant both for your organizational mission and habitat conservation?
2. How can TWRA work with your organization specifically on projects? (e.g. – data sharing, on-the-ground priority projects, outreach, etc.)

General responses to COA and strategy work session comments

Information provided by conservation partners in Work Session #1, question 3 and Work Session #2, question 2, have been incorporated into the individual Conservation Opportunity Area summaries as appropriate (see Appendix I). The notes shared regarding collaborations on general strategies (Work Session 2, question 1) have been compiled by TWRA staff in a format to be used as an internal resource for advancing partnerships on specific strategies and/or in specific geographies.

Review of Work Session #1, question 1 and 2 comments

The following is a summary of the major themes from the Work Session 1 dialogue on the design and utility of Conservation Opportunity Areas in Tennessee:

- Consensus expressed that COAs are a useful framework, both for setting priorities and identifying potential geographic collaborations
- Concerns regarding the size and extent of the COAs across the state, and a need for further definition of outcomes and prioritization within COAs
- The need to be clear on the definition process for COAs, the relative flexibility of the boundaries, and options for adjusting boundaries
- Importance of private lands and working with private landowners to achieve conservation goals statewide
- Recommendation for assessing future strategic opportunities which will cross more than one COA geography (e.g. – private forest lands initiative)

These themes were specifically addressed in the SWAP, Chapter 5 sections 5.2.2 and 5.2.1.

Post- Conservation Partner meeting comments submitted by Peggy W. Shute, Deputy Field Supervisor, on behalf of the USFWS-TN Field Office, with responses

Comment: We appreciate that this version of the TN-SWAP includes plants and mollusk host species.

TWRA Response: Thank you. The explanation for these inclusions in the update is found in Chapter 3, section 3.1.

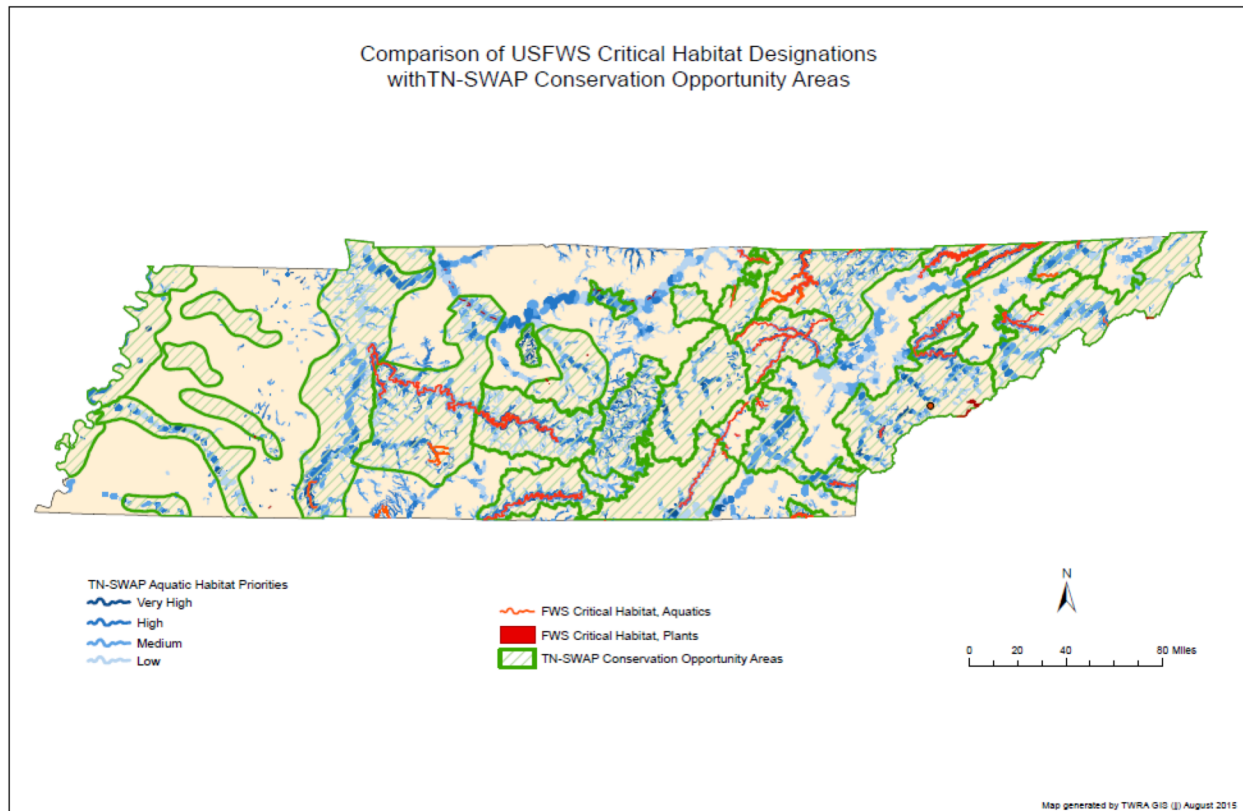
Comment: We recommend the dataset used for mine impacts (the dataset used is 2010 per the TN-SWAP update outline) be updated to incorporate new mining actions that have affected the landscape and watersheds since 2010.

TWRA Response: The dataset used for mine impacts has been updated and is current as of October 2014. In addition, Chapter 5, section 5.3.3 references the USFWS Appalachian LCC energy forecast model as an additional planning resource which may be utilized.

Comment: Is critical habitat designation included with the GIS modeling as additional

coverage? Some critical habitat designations are presently considered “unoccupied” by the species for which they’re designated because these areas are considered important for the species’ recovery efforts. Perhaps these areas should receive additional consideration in ranking priorities for conservation actions

TWRA Response: No, critical habitat designation areas have not been included as part of the habitat prioritization process, which is based on the observation records. However, we can review the critical habitat designation boundaries for Tennessee and see that they are considered within the identified Conservation Opportunity Areas. We worked with Kurt Snider to get the USFWS critical habitat designation information for comparison with the COAs. Please see the map on the following page. The majority of FWS Critical Habitat Designations are captured within COAs. Those few areas which are exceptions are in no way disadvantaged in terms of potential investments or collaborative efforts, and COA boundaries will be revisited in the future with partners as implementation of the 2015 SWAP proceeds.



Comments regarding federal status for species included in SWAP analyses (from the spreadsheet list of taxa included in the revision):

Northern long-eared bat (northern myotis), *Myotis septentrionalis*, is now listed federally threatened, which is not indicated on the spreadsheet.

Georgia pigtoe, *Pleurobema hanleyianum*, is listed federally endangered (with critical habitat designated). The spreadsheet indicates the federal status as “proposed endangered.”

Slabside pearl mussel, *Pleurobema dolabelloides*, is listed federally endangered (with critical habitat designated). The spreadsheet indicates this species as a federal candidate.

Fluted kidneyshell, *Ptychobranhus subtentum*, is listed federally endangered (with critical habitat designated). The spreadsheet indicates this species as a federal candidate.

Rabbitsfoot, *Quadrula cylindrica cylindrica*, is listed as federally threatened (with critical habitat designated). No federal status is indicated in the spreadsheet.

Ashy darter, *Etheostoma cinereum*, has recently been taxonomically split and both taxa are found in TN. The ashy darter as now described, is known only from the Tennessee River drainage, and the other taxon is redlips darter, *Etheostoma maydeni*, is the taxon in the Cumberland River drainage. Since the more widespread taxon (before the taxonomic split) was considered a GCN species prior to the split, probably both taxa resulting from the split should be included, and the rankings previously used might change some modeling results?

TWRA response to species status comments: All federal ranking status information has been changed in the database & the species list Appendix. For the ashy darter, the records assigned to the Cumberland and Tennessee drainages will be split accordingly, and those records from the Cumberland drainage re-assigned taxonomically as redlips darter, *Etheostoma maydeni*. This change will be made in the database prior to the final submission to the USFWS.

Comment: Emily Granstaff (presently a Tennessee Tech student working in our office for SARP as a FWS employee) responded to Question 3 regarding specific project locations within one or more COAs on which we could immediately work together, that she could overlay the SWAP Aquatic Habitat priorities with FWS critical habitat areas or at-risk species distributions to see if any reasonable dam removal projects are indicated. Emily's graduate project involves development of a tool to assist in prioritizing potential dam removal projects in relation to conservation impact.

TWRA Response: The Granstaff et al. (2015) project has been identified in Chapter 4, section 4.2 as an example of additional data in development by partners which can be used in the near future to assist in project identification and prioritization. Emily also sent updated numbers on the overall numbers of dams that have been incorporated into Chapter 4.

General strategies that FWS and the SWAP team could work on include:

FWS & SWAP GIS staffs collaborating to improve aquatic habitat data for future SWAP models (conservation planning theme)

TWRA Response: GIS collaboration opportunities noted in sections 4.2, 5.3, and 7.2

Restoration of habitats for federally-listed (T&E) species through the FWS' Recovery and Partners for Fish & Wildlife programs and actions to address at-risk species that could result in precluding the need to list some species under the ESA (habitat restoration theme)

TWRA Response: This information has been added to the introduction portion of section 5.3.3.

Enhancing GIS data state-wide (monitoring theme)

TWRA Response: Noted in Chapter 7

Ways in which TWRA and FWS can work together specifically on projects include:
FWS can share fish barrier data (Emily Granstaff).

TWRA Response: Noted in sections 4.2, 5.3

TWRA can assist FWS in identifying a site near the Hatchie River for water temperature monitoring in support of an alligator gar project (Emily Granstaff).

TWRA Response: USFWS added as a partner in the Hatchie COA (See Conservation Opportunity Area appendices).

Comment: In general, the COAs selected align well with priorities of our office. While we appreciate the educational opportunities for the selection of Mill Creek, which contains the federally listed crayfish, in the list of COAs, we also question this selection, since most COAs selected contain more than a single species of GCN or state or federal listing status.

TWRA Response: Please see the updated information on Mill Creek in the Conservation Opportunity Area appendix. Mill Creek watershed also provides habitat for a suite of other GCN species, including many plants and birds, as well as redband darter (*Etheostoma luteovinctum*). We hope this clarifies the addition of Mill Creek as a COA for the middle TN region.

Comments submitted during public review phase (8/10/15-9/4/15) & responses

Commenters: David Lincicome, Roger McCoy, David Withers, and Todd Crabtree – Tennessee Department of Environment and Conservation, Division of Natural Areas and Division of Natural Heritage

Dates: 8/14/15, 8/26/15, and 9/4/15

Comment & response summary: TDEC commenters provided a variety of input including: basic editorial comments; photo and caption recommendations; plant species name and conservation rank changes; and requests for additional content and/or clarification of content. TWRA has incorporated the vast majority of these edits and has communicated back to TDEC staff regarding how their comments were managed.

Commenter: Don Barger, National Parks Conservation Association

dbarger@npca.org

Date: 8/27/2015

Comments: Thank you for the opportunity to comment on the State's Draft Tennessee State Wildlife Action Plan 2015. The draft is well-written and well-organized. Also, the inclusion of resiliency planning in relation to likely effects of climate change is an important addition.

Specific Comments

Section 4.3.5 Energy Development

Non-renewable energy development: Coal mining

The State of Tennessee's Lands Unsuitable (LUM) Petition, filed pursuant to the Specific Action recommendation in the 2005 SWAP* (reaffirmed by the planning team on page 106) should be cited as an example of the State's plan to protect connectivity and minimize the impacts of fragmentation from non-renewable energy development. Since the federal Office of Surface Mining has yet to make a decision on the proposed designation, the 2015 SWAP should reiterate the multiple benefits of protecting ridgelines in the North Cumberland Wildlife Management Area (WMA). Because the petitioned area includes ridgelines that descend to and connect with the WMA's riparian zones, their protection as intact habitat would greatly enhance climate resiliency due to the range in elevations, insure important forested protection for headwater areas, provide biological restoration for areas downstream that are disturbed by mining, and help protect federally endangered aquatic species downstream in and above Big South Fork NRRRA.

Accordingly, it would likewise seem appropriate to include the North Cumberland LUM Petition as an example in Section 5.3.5 Law and Policy: Policies and Regulations. The Petition is a good example of the kind of advanced planning in the high priority North Cumberland Plateau and Mountains COA that seeks a "focused collaboration (to) improve outcomes for GCN species and habitats."

Again, I appreciate this opportunity to comment.

* Law & Policy

Policies & Regulations

Encourage the federal Office of Surface Mining to designate critical units of aquatic, subterranean, and terrestrial habitats as "lands unsuitable for mining" under current federal policy guidelines.

TWRA response to comments by D. Barger, NPCA: In completing the final submission document, TWRA has incorporated more information regarding the Lands Unsuitable for Mining petition area and species potentially affected. These additions can be seen in Chapter 4, section 4.3.5 and Chapter 5, 5.3.3.

Commenter: Jessica Sanford, Stewart Co Humane Society & Cats are Us, Clarksville

Date: 8/27/2015

Comments:

Walden's puddle provides invaluable service to save wild life. I found out the hard way that my veterinary will not help with wildlife injuries and I understand that. Without Walden's puddle there would be no help for the injured animals.

TWRA response to comments by J. Sanford: Comments noted. A representative from Walden's Puddle participated in the non-governmental organization partnership meeting held on 4/9/15.

**Commenter: Frosty Levy, East Tennessee State University
levyf@etsu.edu**

Date: 9/1/2015

Comments: Several plant species of particular concern are not included on the list. These include:

Liatris virgata and *Lycopodiella inundata*, both from the Doe Mountain Recreation Area. Both are new to the state and their location in close proximity to ATV trails merits special attention.

Aureolaria pedicularia, re-discovered in the state after nearly 100 years since the original record. Now found in a large population on Rich Mountain (Unicoi Co.), and in small populations at Tellico Branch (Washington Co.) and Little Mountain (Unicoi Co.).

Pachera paupercula var. *appalachica*, a taxon with strong research showing its validity but whose results were inexplicably ignored by the Flora of North America. Common in the unique barrens habitat of the Elizabethton Watershed (Carter Co.).

Rudbeckia triloba var. *pinnatiloba*, also undoubtedly a valid taxon based on genetics and ecology. Common also in the Elizabethon Watershed barrens.

TWRA Response to comments by F. Levy: TWRA forwarded these recommendations to TDEC Division of Natural Heritage staff, who provided feedback on the inclusion of these species on the final 2015 GCN list. Based on this feedback, all plants recommended have been added to the GCN list, with the exception of *Packera paupercula* var. *appalachia* and *Aureolaria pedicularia*, which have no official conservation status at this time.

Commenter: Fred Ziegler

Date: 9/3/2015

Comments:

Swap maps do not show the correct river channel for the Burralo river at the I 40 bridge. See topo maps.

TWRA response to comments by F. Ziegler: Comments noted. The aquatic system maps are built from the flow-lines available in the National Hydrography Dataset Plus Version 2. This dataset does have discrepancies with respect to specific stream segments or flow lines from topographic maps.

Commenter: David Ray, Open Space Institute

dray@osi.org

Date: 9/4/2015

Comments: Thanks for the opportunity to comment.

The Open Space Institute (OSI) is pleased to see the inclusion of The Nature Conservancy's resilience analysis in the climate change sections of the draft plan, and the combination of that data with the other methodologies. We think it is critically important to include this cutting edge science and spatial data in the State's approach to responding to the effects of climate change on wildlife species and habitats. This approach will also dovetail with the criteria for OSI's Southeast Resilient Landscapes Fund, which provides conservation capital to land protection projects. (This refers to Maps 13 and 14, and pp. 98 and 101-104.)

For terrestrial priorities, the particularly high priority of the Southern Cumberland Plateau and the Northern Cumberland Plateau and Mountains, as well as parts of the Southern Blue Ridge, seems accurate and advisable.

We note and agree with the planning team's statement on page 106 in Chapter 5 that "[t]he 2015 planning team determined that the 2005 strategy hierarchy, including all the General and Specific Actions, remains applicable to GCN statewide conservation efforts moving forward (Appendix G)." OSI will continue to partner with state agencies and nonprofits on the "Habitat Acquisition" class of actions through our land protection funds, but it will be important to continue to build other sources of funds for those purposes in order to leverage the funds that we can make available. And as pressures for energy development continue to grow, it will be critically important to maintain and focus on the relevant specific actions listed in Appendix G—"Participate in environmental review procedures to prevent/mitigate coal mining and oil & natural gas drilling activities that affect target species in critical units of aquatic, subterranean, and terrestrial habitats"; and "Develop strategic alliance with TN Division of Geology, Office of Surface Mining, U.S. Geological Survey, TN Oil & Gas Association, private companies, and other institutions to address mining and drilling issues that affect target species and habitats."

TWRA response to comments by D. Ray, OSI: Comments noted. In completing the final submission document, TWRA has incorporated more information regarding the importance of collaborative efforts to avoid and mitigate affects from energy development. These additions can be seen in Chapter 4, section 4.3.5 and Chapter 5, sections 5.3.3 and 5.3.5. In addition, the specific strategy & collaboration recommendations made separately by OSI during the 4/9/15 partnership meeting have been captured within TWRA's internal partnership resource document.

Tennessee State Wildlife Action Plan 2015

Appendix C - Revised 2015 GCN species list, including additions and removals since 2005; separate list of GCN bird species in taxonomic order; and GCN wildlife and plant species closely associated with ridgeline areas in the North Cumberland Wildlife Management Area and Lands Unsuitable for Mining Petition boundary

Appendix C: Revised 2015 GCN species list, including additions and removals since 2005, and list of GCN bird species in taxonomic order

The following information is a summary of the rationale for selection and non-selection of GCN species. These criteria are the same as those designed and used in Tennessee's 2005 SWAP. The majority of species selected for GCN status met rationale criteria 1, or criteria 2 when ranking, or status information were uncertain or unavailable. Some of the more widespread bird species qualified as GCNs according to criteria 3.

Rationale Categories for Selection as GCN Species

1. Globally rare, imperiled, or endangered species (G1-G3 NatureServe rank) or federal status category of LE (Listed Endangered), E/SA (Endangered by Similarity of Appearance), LT (Listed Threatened), T/SA (Threatened by Similarity of Appearance), PE (Proposed Endangered), PT (Proposed Threatened), or C (Candidate species); or state status category of E (Endangered), T (Threatened), or D (Deemed In Need of Management).
2. Special concern species due to declining trends, or otherwise vulnerable due to endemic, limited, disjunct, or peripheral status in region.
3. Special consideration wide-ranging species due to:
 - a. [Partners in Flight](#) (PIF) score of 22 or higher
 - b. National Shorebird Prioritization Score of 4 or higher
 - c. National Wind Coordinating Collaborative category of 'High'
 - d. Being a "keystone" species within a biodiversity "hotspot" or part of a globally significant aggregation of species
 - e. Species is strongly dependent upon ecological processes often interrupted across the landscape.

Rationale Categories for Non-selection as GCN Species

1. Species occurs in the state but is not significantly imperiled, endangered, declining, or of special management concern.
2. Species range and/or habitat does not sufficiently occur in state to warrant target status.
3. Species is of uncertain taxonomic status.
4. Species is believed to be extinct range-wide.
5. Actively managed game species with sufficient number of viable populations in state.
6. Species is of historic significance but cannot currently be restored in the state.
7. Species distribution in habitats in state is either unknown or too uncertain to warrant target status.

Table 1: 2015 Tennessee State Wildlife Action Plan Species of Greatest Conservation Need

Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal	State Status	SWAP Tier
Amphibian	<i>Acris gryllus</i>	Southern Cricket Frog	G5	S2S3			1
Amphibian	<i>Ambystoma barbouri</i>	Streamside Salamander	G4	S2		D	1
Amphibian	<i>Ambystoma texanum</i>	Smallmouth Salamander	G5	S5			1
Amphibian	<i>Aneides aeneus</i>	Green Salamander	G3G4	S3S4			1
Amphibian	<i>Cryptobranchus alleganiensis</i>	Hellbender	G3G4	S3	No Status	D	1
Amphibian	<i>Desmognathus abditus</i>	Cumberland Dusky Salamander	G2G3	S2S3			1
Amphibian	<i>Desmognathus aeneus</i>	Seepage Salamander	G3G4	S1		D	1
Amphibian	<i>Desmognathus imitator</i>	Imitator Salamander	G3G4	S3			1
Amphibian	<i>Desmognathus organi</i>	Northern Pygmy Salamander	G3	SNR			1
Amphibian	<i>Desmognathus welteri</i>	Black Mountain Salamander	G4	S3		D	1
Amphibian	<i>Desmognathus wrighti</i>	Pygmy Salamander	G3	S2S3		D	1
Amphibian	<i>Eurycea aquatica</i>	Brown-backed Salamander	G3	SNR			1
Amphibian	<i>Eurycea junaluska</i>	Junaluska Salamander	G3	S2		D	1
Amphibian	<i>Gyrinophilus gulolineatus</i>	Berry Cave Salamander	G1Q	S1		T	1
Amphibian	<i>Gyrinophilus palleucus</i>	Tennessee Cave Salamander	G2G3	S2		T	1
Amphibian	<i>Gyrinophilus palleucus necturoides</i>	Big Mouth Cave Salamander	G2G3T1	SNR			1
Amphibian	<i>Gyrinophilus palleucus palleucus</i>	Pale Salamander	G2G3T2	S?			1
Amphibian	<i>Hemidactylium scutatum</i>	Four-toed Salamander	G5	S3		D	1
Amphibian	<i>Hyla gratiosa</i>	Barking Treefrog	G5	S3		D	1
Amphibian	<i>Hyla versicolor</i>	Gray Treefrog	G5	S5			1
Amphibian	<i>Lithobates areolatus</i>	Crawfish Frog	G4	S4			1
Amphibian	<i>Necturus maculosus</i>	Mudpuppy	G5	S5			1
Amphibian	<i>Plethodon aureolus</i>	Tellico Salamander	G2G3	S2			1
Amphibian	<i>Plethodon jordani</i>	Red-cheeked Salamander	G2	S2			1
Amphibian	<i>Plethodon montanus</i>	Northern Gray-cheeked Salamander	G4	S3			1
Amphibian	<i>Plethodon richmondi</i>	Ravine Salamander	G5	S2			1
Amphibian	<i>Plethodon shermani</i>	Red-legged Salamander	G2	S2			1
Amphibian	<i>Plethodon wehrlei</i>	Wehrle's Salamander	G4	S1		D	1
Amphibian	<i>Plethodon welleri</i>	Weller's Salamander	G3	S2		D	1
Amphibian	<i>Plethodon yonahlossee</i>	Yonahlossee Salamander	G4	S2			1
Amphibian	<i>Pseudacris brachyphona</i>	Mountain Chorus Frog	G5	S4			1
Amphibian	<i>Pseudotriton montanus</i>	Mud Salamander	G5	S5			1
Amphibian	<i>Rana capito</i>	Carolina Gopher Frog	G3	S1			1

Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	SWAP Tier
Amphibian	<i>Siren intermedia</i>	Lesser Siren	G5	S5			1
Arachnid	<i>Achaearanea porteri</i>	Porter's cave spider	G4	S?			2
Arachnid	<i>Agyneta</i> sp.	Trussell Cave Sheet-web Spider	G1	S?			2
Arachnid	<i>Anthrobia mammouthia</i>	(a cave obligate spider)	G5	S1			2
Arachnid	<i>Antrodiaetus</i> sp.	(a foldingdoor trap-door spider)	G?	S?			2
Arachnid	<i>Apochthonius minor</i>	(a pseudoscorpion)	G1	S?			2
Arachnid	<i>Apochthonius</i> sp.	(a pseudoscorpion)	G1	S?			2
Arachnid	<i>Appaleptoneta</i> sp.	(a cave leptonetid spider)	G1	S?			2
Arachnid	<i>Appaleptoneta</i> sp. 1	(a cave leptonetid spider)	G1	S1			2
Arachnid	<i>Bathyphantes albiventris</i>	(a sheet-web spider)	G4	S?			2
Arachnid	<i>Bathyphantes pallidus</i>	Pallid Sheet-web Spider	G5	S?			2
Arachnid	<i>Bishopella</i> sp. Probably <i>laciniosa</i>	harvestman	G?	S?			2
Arachnid	<i>Callioplus pantoplus</i>	(an amaurobiid spider)	G3	S2			2
Arachnid	<i>Calymmaria persica</i>	Cave-loving funnel-web spider	G4	S?			2
Arachnid	<i>Chitrella archeri</i>	(a cave obligate pseudoscorpion)	G1G2	S1S2			2
Arachnid	<i>Cicurina breviarua</i>	funnel-web spider	G4	S?			2
Arachnid	<i>Cicurina placida</i>	funnel-web spider	G4	S?			2
Arachnid	<i>Coras taugynus</i>	funnel-web spider	G3G4	S?			2
Arachnid	<i>Eidmanella pallida</i>	Pallid cave spider	G5	S?			2
Arachnid	<i>Erebomaster</i> sp.	harvestmen	G?	S?			2
Arachnid	<i>Hesperochernes mirabilis</i>	Southeastern Cave Pseudoscorpion	G5	S3			2
Arachnid	<i>Hesperonemastoma</i> sp.	harvestmen	G?	S?			2
Arachnid	<i>Kleptochthonius affinis</i>	(a cave obligate pseudoscorpion)	G1G2	S1S2			2
Arachnid	<i>Kleptochthonius barri</i>	(a cave obligate pseudoscorpion)	G1G2	S1S2			2
Arachnid	<i>Kleptochthonius charon</i>	(a cave obligate pseudoscorpion)	G1G2	S1S2			2
Arachnid	<i>Kleptochthonius daemonius</i>	(a cave obligate pseudoscorpion)	G1G2	S1S2			2
Arachnid	<i>Kleptochthonius infernalis</i>	(a cave obligate pseudoscorpion)	G1	S1			2
Arachnid	<i>Kleptochthonius magnus</i>	(a cave obligate pseudoscorpion)	G1	S1			2
Arachnid	<i>Kleptochthonius myopius</i>	(a cave obligate pseudoscorpion)	G1	S1			2
Arachnid	<i>Kleptochthonius pluto</i>	(a cave obligate pseudoscorpion)	G1	S1			2
Arachnid	<i>Kleptochthonius rex</i>	(a cave obligate pseudoscorpion)	G1	S1			2
Arachnid	<i>Kleptochthonius</i> sp.	Sells cave pseudoscorpion	G1	S?			2
Arachnid	<i>Kleptochthonius</i> sp.	pseudoscorpions	G1	S?			2
Arachnid	<i>Kleptochthonius</i> sp.	Round Cove cave pseudoscorpion	G1	S?			2
Arachnid	<i>Kleptochthonius</i> sp.	(a cave obligate pseudoscorpion)	G1	S1			2
Arachnid	<i>Kleptochthonius stygius</i>	(a cave obligate pseudoscorpion)	G1	S1			2
Arachnid	<i>Kleptochthonius tantalus</i>	(a cave obligate pseudoscorpion)	G1	S1			2
Arachnid	<i>Kleptochthonius undescribed</i> sp.	cave pseudoscorpions	G1	S?			2

Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	SWAP Tier
Arachnid	<i>Liocranoides archeri</i>	Archer's two-clawed spider	G2	S?			2
Arachnid	<i>Liocranoides coylei</i>	Coyle's tengellid spider	G3	S?			2
Arachnid	<i>Liocranoides gertschi</i>	Gertsch's tengellid spider	G3	S?			2
Arachnid	<i>Liocranoides</i> sp.	(a cave two-clawed spider)	G1G2	S?			2
Arachnid	<i>Liocranoides</i> sp.	Two-clawed spider	G2	S?			2
Arachnid	<i>Liocranoides tennesseensis</i>	Tennessee two-clawed spider	G2	S?			2
Arachnid	<i>Liocranoides unicolor</i>	(a cave obligate spider)	G5	S?			2
Arachnid	<i>Macrocheles</i> sp. 1	mite	G?	S?			2
Arachnid	<i>Macrocheles</i> sp. 2	mite	G?	S?			2
Arachnid	<i>Macrocheles</i> sp. 3	mite	G?	S?			2
Arachnid	<i>Maymena ambita</i>	Minute cave spider	G3	S?			2
Arachnid	<i>Meta ovalis</i>	American cave orb weaver	G5	S?			2
Arachnid	<i>Microcreagris nickajackensis</i>	Nickajack cave pseudoscorpion	G1	S?			2
Arachnid	<i>Microhexura montivaga</i>	Spruce-fir Moss Spider	G1	S1	LE		2
Arachnid	<i>Nemasatosoma</i> sp.	harvestmen	G?	S?			2
Arachnid	<i>Nesticus barri</i>	(a cave obligate spider)	G3	S3			2
Arachnid	<i>Nesticus barrowsi</i>	(a cave obligate spider)	G1G2	S1S2			2
Arachnid	<i>Nesticus dilutus</i>	Grassy Creek Cave Spider	G1	S1			2
Arachnid	<i>Nesticus furtivus</i>	Crystal Caverns Cave Spider	G1	S1			2
Arachnid	<i>Nesticus paynei</i>	(a cave obligate spider)	G3G4	S3			2
Arachnid	<i>Nesticus pecki</i>	Peck's cave spider	G1	S?			2
Arachnid	<i>Nesticus stygius</i>	(a cave obligate spider)	G1G2	S1S2			2
Arachnid	<i>Nesticus tennesseensis</i>	(a spider)	G3G4	S2S4			2
Arachnid	<i>Nesticus valentinei</i>	Valentine's Cave Spider	G1G2	S1S2	MC		2
Arachnid	<i>Oreonetides</i> sp.	cave sheet-web spiders	G1	S?			2
Arachnid	<i>Phalangodes appalachius</i>	Appalachian Cave Harvestman	G3G4	S3			2
Arachnid	<i>Phalangodes</i> sp.	cave harvestmen	G2	S?			2
Arachnid	<i>Phanetta subterranea</i>	Subterranean sheet-web spider	G5	S?			2
Arachnid	<i>Poecilophysis weyerensis</i>	(a cave mite)	G3?	S2S3			2
Arachnid	<i>Porrhomma cavernicola</i>	Appalachian Cave Spider	G5	S1?			2
Arachnid	<i>Rhagidia species s. latu</i>	(a mite)	G?	S?			2
Arachnid	<i>Theromaster</i> sp. 1	(a cave obligate harvestman)	G1	S1			2
Arachnid	<i>Tolus</i> sp.	(a harvestman)	G?	S?			2
Arachnid	<i>Tyrannochthonius fiskei</i>	(a cave obligate pseudoscorpion)	G1	S1			2
Arachnid	<i>Tyrannochthonius halopotamus</i>	Salt River cave pseudoscorpion	G1	S?			2
Arachnid	<i>Tyrannochthonius steevesi</i>	(a cave obligate pseudoscorpion)	G1	S1			2
Bat	<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S3		D	1
Bat	<i>Corynorhinus townsendii virginianus</i>	Virginia Big-eared Bat	G4T2	SP	LE		3

Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	SWAP Tier
Bat	<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3			1
Bat	<i>Myotis grisescens</i>	Gray Bat	G3	S2	LE	E	3
Bat	<i>Myotis leibii</i>	Eastern Small-footed Bat	G1G3	S2S3		D	1
Bat	<i>Myotis lucifugus</i>	Little Brown Bat	G5	S5			1
Bat	<i>Myotis septentrionalis</i>	Northern Myotis	G4	S4	LT		3
Bat	<i>Myotis sodalis</i>	Indiana Bat	G2	S1	LE	E	3
Bat	<i>Perimyotis subflavus</i>	Tri-colored Bat	G5	S5			1
Bird	<i>Accipiter striatus</i>	Sharp-shinned Hawk	G5	S3B, S4N	No Status	D	1
Bird	<i>Aegolius acadicus</i>	Northern Saw-whet Owl	G5	S1		T	1
Bird	<i>Ammodramus henslowii</i>	Henslow's Sparrow	G4	S1B		D	1
Bird	<i>Ammodramus leconteii</i>	LeConte's Sparrow	G4	S1N			1
Bird	<i>Ammodramus savannarum</i>	Grasshopper Sparrow	G5	S4	(PS)		1
Bird	<i>Anas rubripes</i>	American Black Duck	G5	S3S4N			1
Bird	<i>Aquila chrysaetos</i>	Golden Eagle	G5	S1		T	1
Bird	<i>Ardea alba</i>	Great Egret	G5	S2B, S3N		D	1
Bird	<i>Asio flammeus</i>	Short-eared Owl	G5	S3N			1
Bird	<i>Bartramia longicauda</i>	Upland Sandpiper	G5	SXB?			1
Bird	<i>Bonasa umbellus</i>	Ruffed Grouse	G5	S4			1
Bird	<i>Botaurus lentiginosus</i>	American Bittern	G4	S1			1
Bird	<i>Calidris canutus</i>	Red Knot	G5	S2N			1
Bird	<i>Calidris himantopus</i>	Stilt Sandpiper	G5	S3N			1
Bird	<i>Calidris mauri</i>	Western Sandpiper	G5	S4N			1
Bird	<i>Calidris pusilla</i>	Semipalmated Sandpiper	G5	S4N			1
Bird	<i>Caprimulgus carolinensis</i>	Chuck-will's-widow	G5	S3S4			1
Bird	<i>Caprimulgus vociferus</i>	Whip-poor-will	G5	S3S4			1
Bird	<i>Cardellina canadensis</i>	Canada Warbler	G5	S3B, S4N			1
Bird	<i>Certhia americana</i>	Brown Creeper	G5	S2B, S4N			1
Bird	<i>Chaetura pelagica</i>	Chimney Swift	G5	S5			1
Bird	<i>Charadrius alexandrinus</i>	Snowy Plover	G4	S?	(PS:LT)		3
Bird	<i>Charadrius melodus melodus</i>	Piping Plover	G3	S2N	(LE:LT)		3
Bird	<i>Charadrius wilsonia</i>	Wilson's Plover	G5	S?			1
Bird	<i>Chordeiles minor</i>	Common Nighthawk	G5	S4			1
Bird	<i>Circus cyaneus</i>	Northern Harrier	G5	S4N			1
Bird	<i>Cistothorus platensis</i>	Sedge Wren	G5	S3N, SPB			1
Bird	<i>Colinus virginianus</i>	Northern Bobwhite	G5	S2S3	(PS)		1
Bird	<i>Contopus cooperi</i>	Olive-sided Flycatcher	G4	S1		D	1
Bird	<i>Egretta caerulea</i>	Little Blue Heron	G5	S2B, S3N		D	1
Bird	<i>Empidonax alnorum</i>	Alder Flycatcher	G5	S1			1

Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	SWAP Tier
Bird	<i>Empidonax minimus</i>	Least Flycatcher	G5	S3			1
Bird	<i>Empidonax traillii</i>	Willow Flycatcher	G5	S2S3	(PS)		1
Bird	<i>Euphagus carolinus</i>	Rusty Blackbird	G5	S4N			1
Bird	<i>Falco peregrinus</i>	Peregrine Falcon	G4	S1B	No Status	E	3
Bird	<i>Gallinula galeata</i>	Common Gallinule	G5	S1B	No Status	D	1
Bird	<i>Geothlypis formosa</i>	Kentucky Warbler	G5	S4			1
Bird	<i>Grus americana</i>	Whooping Crane	G1	S?	(LE, XN)		3
Bird	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3		D	3
Bird	<i>Helmitheros vermivorum</i>	Worm-eating Warbler	G5	S4			1
Bird	<i>Hylocichla mustelina</i>	Wood Thrush	G5	S4			1
Bird	<i>Icteria virens</i>	Yellow-breasted Chat	G5	S4			1
Bird	<i>Icterus spurius</i>	Orchard Oriole	G5	S4			1
Bird	<i>Ictinia mississippiensis</i>	Mississippi Kite	G5	S2S3		D	1
Bird	<i>Ixobrychus exilis</i>	Least Bittern	G5	S2B		D	1
Bird	<i>Lanius ludovicianus</i>	Loggerhead Shrike	G4	S1B, S2N	No Status	D	1
Bird	<i>Limnothlypis swainsonii</i>	Swainson's Warbler	G4	S3		D	1
Bird	<i>Limosa fedoa</i>	Marbled Godwit	G5	S?			1
Bird	<i>Limosa haemastica</i>	Hudsonian Godwit	G4	S?			1
Bird	<i>Melanerpes erythrocephalus</i>	Red-headed Woodpecker	G5	S4			1
Bird	<i>Numenius phaeopus</i>	Whimbrel	G5	S?			1
Bird	<i>Nycticorax nycticorax</i>	Black-crowned Night-heron	G5	S2S3B			1
Bird	<i>Parkesia motacilla</i>	Louisiana Waterthrush	G5	S4			1
Bird	<i>Passerina ciris</i>	Painted Bunting	G5	S2			1
Bird	<i>Peucaea aestivalis</i>	Bachman's Sparrow	G3	S1B		E	1
Bird	<i>Pluvialis dominica</i>	American Golden Plover	G5	S3N			1
Bird	<i>Poecile atricapillus</i>	Black-capped Chickadee	G5	S2B			1
Bird	<i>Porphyryla martinica</i>	Purple Gallinule	G5	S1B			1
Bird	<i>Protonotaria citrea</i>	Prothonotary Warbler	G5	S4			1
Bird	<i>Rallus elegans</i>	King Rail	G4	S2		D	1
Bird	<i>Rallus limicola</i>	Virginia Rail	G5	S1B, S3N			1
Bird	<i>Riparia riparia</i>	Bank Swallow	G5	S3			1
Bird	<i>Setophaga caerulescens</i>	Black-throated Blue Warbler	G5	S4			1
Bird	<i>Setophaga cerulea</i>	Cerulean Warbler	G4	S3B		D	1
Bird	<i>Setophaga discolor</i>	Prairie Warbler	G5	S3S4			1
Bird	<i>Setophaga dominica</i>	Yellow-throated Warbler	G5	S4			1
Bird	<i>Setophaga fusca</i>	Blackburnian Warbler	G5	S3B, S4N			1
Bird	<i>Scolopax minor</i>	American Woodcock	G5	S4B			3
Bird	<i>Sitta pusilla</i>	Brown-headed Nuthatch	G5	S2B			1

Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	SWAP Tier
Bird	<i>Sphyrapicus varius</i>	Yellow-bellied Sapsucker	G5	S1B, S4N		D	1
Bird	<i>Sternula antillarum athalassos</i>	Interior Least Tern	G4T2Q	S2S3B	LE	E	3
Bird	<i>Sturnella magna</i>	Eastern Meadowlark	G5	S5			1
Bird	<i>Thryomanes bewickii</i>	Bewick's Wren	G5	S1		E	1
Bird	<i>Troglodytes troglodytes</i>	Winter Wren	G5	S3B, S4N			1
Bird	<i>Tryngites subruficollis</i>	Buff-breasted Sandpiper	G4	S3N	MC		1
Bird	<i>Tympanuchus cupido</i>	Greater Prairie-chicken	G4	SX	(PS)		1
Bird	<i>Tyto alba</i>	Barn Owl	G5	S3		D	1
Bird	<i>Vermivora chrysoptera</i>	Golden-winged Warbler	G4	S3B		D	1
Bird	<i>Vermivora cyanoptera</i>	Blue-winged Warbler	G5	S4			1
Bird	<i>Vireo bellii</i>	Bell's Vireo	G5	S1B	No Status		1
Bivalve	<i>Actinonaias ligamentina</i>	Mucket	G5	S4			1
Bivalve	<i>Actinonaias pectorosa</i>	Pheasantshell	G4	S4			1
Bivalve	<i>Alasmidonta atropurpurea</i>	Cumberland Elktoe	G1G2	S1S2	LE	E	3
Bivalve	<i>Alasmidonta marginata</i>	Elktoe	G4	S4	MC		1
Bivalve	<i>Alasmidonta raveneliana</i>	Appalachian Elktoe	G1	S1	LE	E	3
Bivalve	<i>Alasmidonta viridis</i>	Slippershell Mussel	G4G5	S3S4			1
Bivalve	<i>Anodontoides denigratus</i>	Cumberland Papershell	G1	SSYN	MC		1
Bivalve	<i>Cumberlandia monodonta</i>	Spectaclecase	G3	S2S3	LE		3
Bivalve	<i>Cyprogenia stegaria</i>	Fanshell	G1Q	S1	LE	E	3
Bivalve	<i>Dromus dromas</i>	Dromedary Pearlymussel	G1	S1	LE	E	3
Bivalve	<i>Elliptio arca</i>	Alabama Spike	G3Q	S2			1
Bivalve	<i>Elliptio arcata</i>	Delicate Spike	G2G3Q	S2			1
Bivalve	<i>Epioblasma brevidens</i>	Cumberlandian Combshell	G1	S1	LE	E	3
Bivalve	<i>Epioblasma capsaeformis</i>	Oyster Mussel	G1	S1	LE	E	3
Bivalve	<i>Epioblasma florentina walkeri</i>	Tan Riffleshell	G1T1	S1	LE	E	3
Bivalve	<i>Epioblasma metastrata</i>	Upland Combshell	GH	SH	LE	E	3
Bivalve	<i>Epioblasma obliquata obliquata</i>	Catspaw	G1T1	S1	LE	E	3
Bivalve	<i>Epioblasma othcaloogensis</i>	Southern Acornshell	GHQ	SH	LE	E	3
Bivalve	<i>Epioblasma triquetra</i>	Snuffbox	G3	S3	LE		3
Bivalve	<i>Fusconaia cor</i>	Shiny Pigtoe	G1	S1	LE	E	3
Bivalve	<i>Fusconaia cuneolus</i>	Finerayed Pigtoe	G1	S1	LE	E	3
Bivalve	<i>Fusconaia subrotunda</i>	Longsolid	G3	S3			1
Bivalve	<i>Hamiota altilis</i>	Finelined Pocketbook	G2G3	S1S2	LT	T	3
Bivalve	<i>Hemistena lata</i>	Cracking Pearlymussel	G1	S1	LE	E	3
Bivalve	<i>Lampsilis abrupta</i>	Pink Mucket	G2	S2	LE	E	3
Bivalve	<i>Lampsilis siliquoidea</i>	Fatmucket	G5	S2			1
Bivalve	<i>Lampsilis straminea claibornensis</i>	Southern Fatmucket	G5T5	SH			1

Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	SWAP Tier
Bivalve	<i>Lampsilis virescens</i>	Alabama Lampmussel	G1	S1	LE	E	3
Bivalve	<i>Lasmigona complanata complanata</i>	White Heelsplitter	G5T5	S?			1
Bivalve	<i>Lasmigona holstonia</i>	Tennessee Heelsplitter	G3	S2			1
Bivalve	<i>Lasmigona sp. 1 cf. holstonia</i>	Barrens Bankclimber	GNR	S1			1
Bivalve	<i>Lasmigona subviridis</i>	Green Floater	G3	S2			1
Bivalve	<i>Lemiox rimosus</i>	Birdwing Pearlymussel	G1	S1	LE	E	3
Bivalve	<i>Leptodea leptodon</i>	Scaleshell	G1	SX	LE		3
Bivalve	<i>Ligumia recta</i>	Black Sandshell	G5	S5			1
Bivalve	<i>Medionidus acutissimus</i>	Alabama Moccasinshell	G2	S1	LT	T	3
Bivalve	<i>Medionidus conradicus</i>	Cumberland Moccasinshell	G3G4	S3			1
Bivalve	<i>Medionidus parvulus</i>	Coosa Moccasinshell	G1Q	S1	LE	E	3
Bivalve	<i>Obovaria jacksoniana</i>	Southern Hickorynut	G2	S1			1
Bivalve	<i>Obovaria olivaria</i>	Hickorynut	G4	S2?			1
Bivalve	<i>Obovaria retusa</i>	Ring Pink	G1	S1	LE	E	3
Bivalve	<i>Obovaria subrotunda</i>	Round Hickorynut	G4	S2S3			1
Bivalve	<i>Pegias fabula</i>	Littlewing Pearlymussel	G1	S1	LE	E	3
Bivalve	<i>Plethobasus cicatricosus</i>	White Wartyback	G1	S1	LE	E	3
Bivalve	<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback	G1	S1	LE	E	3
Bivalve	<i>Plethobasus cyphus</i>	Sheepnose	G3	S2S3	LE		3
Bivalve	<i>Pleurobema chattanoogaense</i>	Painted Clubshell	G1Q	S1?			1
Bivalve	<i>Pleurobema clava</i>	Clubshell	G1G2	SH	LE	E	3
Bivalve	<i>Pleurobema cordatum</i>	Ohio Pigtoe	G3	S3			1
Bivalve	<i>Pleurobema decisum</i>	Southern Clubshell	G1G2	S1	LE	E	3
Bivalve	<i>Pleurobema georgianum</i>	Southern Pigtoe	G1	S1	LE	E	3
Bivalve	<i>Pleurobema gibberum</i>	Cumberland Pigtoe	G1	S1	LE	E	3
Bivalve	<i>Pleurobema hanleyianum</i>	Georgia Pigtoe	G1	S1	LE		3
Bivalve	<i>Pleurobema johannis</i>	Alabama Pigtoe	GH	S1?			1
Bivalve	<i>Pleurobema oviforme</i>	Tennessee Clubshell	G2G3	S2S3			1
Bivalve	<i>Pleurobema perovatum</i>	Ovate Clubshell	G1	SH	LE	E	3
Bivalve	<i>Pleurobema plenum</i>	Rough Pigtoe	G1	S1	LE	E	3
Bivalve	<i>Pleurobema rubellum</i>	Warrior Pigtoe	GH	SH			1
Bivalve	<i>Pleurobema rubrum</i>	Pyramid Pigtoe	G2G3	S1S2			1
Bivalve	<i>Pleurobema sintoxia</i>	Round Pigtoe	G4	S4			1
Bivalve	<i>Pleurobema troschelium</i>	Alabama Clubshell	G1Q	S1			1
Bivalve	<i>Pleurobema barnesiana</i>	Tennessee Pigtoe	G2G3	S2S3			1
Bivalve	<i>Pleurobema dolabelloides</i>	Slabside Pearlymussel	G2	S2	LE		3
Bivalve	<i>Ptychobranthus foremanianus</i>	Rayed Kidneyshell	G1	S1	LE	E	3
Bivalve	<i>Ptychobranthus subtentum</i>	Fluted Kidneyshell	G2	S2	LE		3

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Bivalve	<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot	G3G4T3	S3	LT		3
Bivalve	<i>Quadrula cylindrica strigillata</i>	Rough Rabbitsfoot	G3G4T2	S2	LE	E	3
Bivalve	<i>Quadrula fragosa</i>	Winged Mapleleaf	G1	S1	LE	E	3
Bivalve	<i>Quadrula intermedia</i>	Cumberland Monkeyface	G1	S1	LE	E	3
Bivalve	<i>Quadrula sparsa</i>	Appalachian Monkeyface	G1	S1	LE	E	3
Bivalve	<i>Simpsonaias ambigua</i>	Salamander Mussel	G3	S1			1
Bivalve	<i>Strophitus connasaugaensis</i>	Alabama Creekmussel	G3	S1			1
Bivalve	<i>Strophitus undulatus</i>	Creepers	G5	S5			1
Bivalve	<i>Toxolasma cylindrellus</i>	Pale Lilliput	G1	S1	LE	E	3
Bivalve	<i>Toxolasma lividum</i>	Purple Lilliput	G3Q	S1S2			1
Bivalve	<i>Unio merus declivis</i>	Tapered Pondhorn	G5Q	S2			1
Bivalve	<i>Venustaconcha sima</i>	(a mussel)	G?	S?			1
Bivalve	<i>Villosa fabalis</i>	Rayed Bean	G2	S1	LE		3
Bivalve	<i>Villosa iris</i>	Rainbow	G5	S5			1
Bivalve	<i>Villosa lienosa</i>	Little Spectaclecase	G5	S4S5			1
Bivalve	<i>Villosa nebulosa</i>	Alabama Rainbow	G3	S2			1
Bivalve	<i>Villosa perpurpurea</i>	Purple Bean	G1	S1	LE	E	3
Bivalve	<i>Villosa taeniata</i>	Painted Creekshell	G3G4	S3S4			1
Bivalve	<i>Villosa trabalis</i>	Cumberland Bean	G1	S1	LE	E	3
Bivalve	<i>Villosa umbrans</i>	Coosa Creekshell	G2	S2			1
Bivalve	<i>Villosa vanuxemensis</i>	Mountain Creekshell	G4	S4			1
Bivalve	<i>Villosa vibex</i>	Southern Rainbow	G5Q	S2			1
Crustacean	<i>Acanthocyclops parasensitivus</i>	(a copepod)	G2	S?			1
Crustacean	<i>Amerigoniscus nicholasi</i>	(a cave obligate isopod)	G1G2	S1S2			1
Crustacean	<i>Amerigoniscus paynei</i>	(a cave obligate isopod)	G1G2	S2S3			1
Crustacean	<i>Bactrurus angulus</i>	Cumberland Gap Cave Amphipod	G1	S1			1
Crustacean	<i>Bactrurus undescribed sp.</i>	groundwater amphipod	G1	S?			1
Crustacean	<i>Barbicambarus cornutus</i>	Bottle Brush Crayfish	G4	S2			1
Crustacean	<i>Bryocamptus (Limocamptus) sp.</i>	copepods	G1	S?			1
Crustacean	<i>Caecidotea bicrenata</i>	(a cave obligate isopod)	G5	SR			1
Crustacean	<i>Caecidotea bicrenata bicrenata</i>	(a cave obligate isopod)	G3G4T3T4	SR			1
Crustacean	<i>Caecidotea bicrenata whitei</i>	(a cave obligate isopod)	G3G4T3T4	S1?			1
Crustacean	<i>Caecidotea circulus</i>	(a cave obligate isopod)	G1G2	S1			1
Crustacean	<i>Caecidotea incurva</i>	Incurved Cave Isopod	G2G4	S1			1
Crustacean	<i>Caecidotea nickajackensis</i>	Nickajack Cave Isopod	GH	S1			1
Crustacean	<i>Caecidotea nortoni</i>	(a cave obligate isopod)	G2G3	S1S2			1
Crustacean	<i>Caecidotea recurvata</i>	Southwestern Virginia Cave Isopod	G5	SR			1
Crustacean	<i>Caecidotea richardsonae</i>	Tennessee Valley Cave Isopod	G3G5	SR			1

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Crustacean	<i>Caecidotea scyphus</i>	(a cave obligate isopod)	G1G2	S1			1
Crustacean	<i>Caecidotea</i> sp.	cave isopods	G?	S?			1
Crustacean	<i>Caecidotea stygia</i>	(a cave obligate isopod)	G5	S1S2			1
Crustacean	<i>Cambarus angularis</i>	Angled Crayfish	G3	S3?			1
Crustacean	<i>Cambarus bouchardi</i>	Big South Fork Crayfish	G2	S1		E	1
Crustacean	<i>Cambarus brachydactylus</i>	Shortfingered Crayfish	G2G4	S3			1
Crustacean	<i>Cambarus clivosus</i>	Short Mountain Crayfish	G2	S2			1
Crustacean	<i>Cambarus conasaugaensis</i>	Mountain Crayfish	G3	S1			1
Crustacean	<i>Cambarus crinipes</i>	Hairyfoot Crayfish	G3	S3			1
Crustacean	<i>Cambarus cymatilis</i>	Conasauga Blue Burrower	G1	S1		E	1
Crustacean	<i>Cambarus deweesae</i>	Valley Flame Crayfish	G4	S1		E	1
Crustacean	<i>Cambarus extraneus</i>	Chickamauga Crayfish	G2	S1S2		T	1
Crustacean	<i>Cambarus hamulatus</i>	Prickly Cave Crayfish	G3G4	S3			1
Crustacean	<i>Cambarus hiwasseeensis</i>	Hiwassee Crayfish	G3G4	S1			1
Crustacean	<i>Cambarus manningi</i>	(a crayfish)	G4	S3			1
Crustacean	<i>Cambarus obeyensis</i>	Obey Crayfish	G1	S2		T	1
Crustacean	<i>Cambarus pristinus</i>	Pristine Crayfish	G2	S2		E	1
Crustacean	<i>Cambarus</i> sp. 1	Emory River Crayfish	G1	S1			1
Crustacean	<i>Cambarus</i> sp?	Obed Crayfish	G1Q	S1?			1
Crustacean	<i>Cambarus stockeri</i>	Cocoa Crayfish	GNR	S1S2			1
Crustacean	<i>Cambarus tenebrosus</i>	Cavespring Crayfish	G4	S?			1
Crustacean	<i>Cambarus williami</i>	Brawleys Fork Crayfish	G2	S2		E	1
Crustacean	<i>Crangonyx antennatus</i>	Appalachian cave amphipod	G4	S?			1
Crustacean	<i>Crangonyx</i> sp.	amphipods	G?	S?			1
Crustacean	<i>Dactylocythere steevesi</i>	(a cave obligate shrimp)	G4	S2S3			1
Crustacean	<i>Diacyclops nearcticus</i>	Nearctic copepod	G3G4	S?			1
Crustacean	<i>Diacyclops</i> sp.	Indiana Groundwater Copepod	G1	S1			1
Crustacean	<i>Diacyclops yeatmani</i>	Yeatman's Groundwater Copepod	G2G3	S1			1
Crustacean	<i>Donnaldsoncythere tuberosa</i>	(a cave obligate shrimp)	G2G3	S2?			1
Crustacean	<i>Fallicambarus hortonii</i>	Hatchie Burrowing Crayfish	G1	S1		E	1
Crustacean	<i>Gammarus minus</i>	Lesser spring amphipod	G5	S?			1
Crustacean	<i>Haplophthalmus danicus</i>	(a terrestrial cave isopod)	G?	S?			1
Crustacean	<i>Itocyclus</i> undescribed sp.	cave copepods	G1	S?			1
Crustacean	<i>Ligidium elrodii hancockensis</i>	(a cave obligate isopod)	G4G5T1T2	S1?			1
Crustacean	<i>Megacyclops donnaldsoni</i>	Donnaldson's cave copepod	G1	S?			1
Crustacean	<i>Miktoniscus barri</i>	(a cave obligate isopod)	G2G4	S2?			1
Crustacean	<i>Miktoniscus medcofi</i>	Medcof's terrestrial isopod	G4	S?			1
Crustacean	<i>Orconectes alabamensis</i>	Alabama Crayfish	G5	S2		D	1

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Crustacean	<i>Orconectes australis</i>	Southern Cave Crayfish	G5	S3			1
Crustacean	<i>Orconectes barrenensis</i>	(a crayfish)	G4	S3			1
Crustacean	<i>Orconectes barri</i>	Cumberland Plateau Cave Crayfish	G2	S?			1
Crustacean	<i>Orconectes burri</i>	Blood River Crayfish	G2	S1			1
Crustacean	<i>Orconectes cooperi</i>	Flint River Crayfish	G1	S1			1
Crustacean	<i>Orconectes forceps</i>	Surgeon Crayfish	G4	S4			1
Crustacean	<i>Orconectes incomptus</i>	Tennessee Cave Crayfish	G2	S1		E	1
Crustacean	<i>Orconectes pagei</i>	Big Sandy Crayfish	G4	S4			1
Crustacean	<i>Orconectes pellucidus</i>	Mammoth Cave Crayfish	G4	S3			1
Crustacean	<i>Orconectes shoupi</i>	Nashville Crayfish	G1G2	S1S2	LE	E	3
Crustacean	<i>Orconectes taylori</i>	Crescent Crayfish	G2	S2			1
Crustacean	<i>Orconectes wrighti</i>	Hardin Crayfish	G2	S2		E	1
Crustacean	<i>Pseudocandona jeanneli</i>	Jeannel's Cave Ostracod	G1G2	S?			1
Crustacean	<i>Pseudocandona</i> sp.	groundwater ostracods	G1G2	S?			1
Crustacean	<i>Sagittocythere barri</i>	Ectocommensal Ostracod	G5	S3			1
Crustacean	<i>Stygobromus barryi</i>	(a cave obligate amphipod)	G2G3	S1			1
Crustacean	<i>Stygobromus dicksoni</i>	(a cave obligate amphipod)	G5	S1S2			1
Crustacean	<i>Stygobromus exilis</i>	Central Kentucky Cave Obligate	G5	SR			1
Crustacean	<i>Stygobromus fecundus</i>	(a cave obligate amphipod)	G1G2	S1			1
Crustacean	<i>Stygobromus finleyi</i>	Finley's Cave Amphipod	G3G4	S1			1
Crustacean	<i>Stygobromus mackini</i>	Southwestern Virginia Cave Amphipod	G5	SR			1
Crustacean	<i>Stygobromus nortoni</i>	Norton's Cave Amphipod	G2G3	SH			1
Crustacean	<i>Stygobromus</i> sp.	cave amphipods	G?	S?			1
Crustacean	<i>Stygobromus</i> sp. 22	Swamp River Cave Amphipod	G3	S3			1
Crustacean	<i>Stygobromus</i> sp. 24	(a cave obligate amphipod)	G1	S1			1
Crustacean	<i>Stygobromus</i> sp. 3	Bosnak's cave amphipod	G2	S?			1
Crustacean	<i>Stygobromus</i> sp. 34	(a cave obligate amphipod)	G1G2	S1S2			1
Crustacean	<i>Stygobromus</i> sp. 4	Southern cave amphipod	G3	S?			1
Crustacean	<i>Stygobromus sparsus</i>	(a cave obligate amphipod)	G4	S1			1
Crustacean	<i>Stygobromus vitreus</i>	(a cave obligate amphipod)	G4	S2			1
Crustacean	<i>Triconiscus pusillus</i>	terrestrial isopod	EX	S?			1
Fish	<i>Acipenser fulvescens</i>	Lake Sturgeon	G3G4	S1		E	1
Fish	<i>Ammocrypta beanii</i>	Naked Sand Darter	G5	S2		D	1
Fish	<i>Ammocrypta clara</i>	Western Sand Darter	G3	S1		T	1
Fish	<i>Ammocrypta vivax</i>	Scaly Sand Darter	G5	S2		D	1
Fish	<i>Anguilla rostrata</i>	American Eel	G5	S3			1
Fish	<i>Atractosteus spatula</i>	Alligator Gar	G3G4	S1		D	1
Fish	<i>Carpododes velifer</i>	Highfin Carpsucker	G4G5	S2S3		D	1

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Fish	<i>Chrosomus cumberlandensis</i>	Blackside Dace	G2	S2	LT	T	3
Fish	<i>Chrosomus saylori</i>	Laurel Dace	G1	S1	LE	E	3
Fish	<i>Chrosomus tennesseensis</i>	Tennessee Dace	G3	S3		D	1
Fish	<i>Clinostomus funduloides</i> ssp. 1	Smoky Dace	G5T3Q	S1S2		D	1
Fish	<i>Crystallaria cincotta</i>	Diamond Darter	G1	SX		D	1
Fish	<i>Cycleptus elongatus</i>	Blue sucker	G3G4	S2		T	1
Fish	<i>Cyprinella caerulea</i>	Blue Shiner	G2	S1	LT	E	3
Fish	<i>Erimonax monachus</i>	Spotfin Chub	G2	S2	LT, XN, PXN	T	3
Fish	<i>Erimystax cahni</i>	Slender Chub	G1	S1	LT	T	3
Fish	<i>Erimystax dissimilis</i>	Streamline Chub	G4	S3S4			1
Fish	<i>Erimystax insignis</i>	Blotched Chub	G4	S3S4			1
Fish	<i>Etheostoma acuticeps</i>	Sharphead Darter	G3	S2S3			1
Fish	<i>Etheostoma akatulo</i>	Bluemask Darter	G1	S1	LE	E	3
Fish	<i>Etheostoma aquali</i>	Coppercheek Darter	G2G3	S2S3		T	1
Fish	<i>Etheostoma baileyi</i>	Emerald Darter	G4G5	S2		D	1
Fish	<i>Etheostoma barbouri</i>	Teardrop Darter	G4G5	S2		D	1
Fish	<i>Etheostoma barrenense</i>	Splendid Darter	G4	S3		D	1
Fish	<i>Etheostoma bellum</i>	Orangefin Darter	G4G5	S3		D	1
Fish	<i>Etheostoma blennioides sequatchiense</i>	Sequatchie Blenny Darter	G4T3	S3			1
Fish	<i>Etheostoma boschungii</i>	Slackwater Darter	G1	S1	LT	T	3
Fish	<i>Etheostoma brevirostrum</i>	Holiday Darter	G2	S1		T	1
Fish	<i>Etheostoma cervus</i>	Chickasaw Darter	G2G3	S2S3		D	1
Fish	<i>Etheostoma cinereum</i>	Ashy Darter	G2G3	S2S3		T	1
Fish	<i>Etheostoma corona</i>	Crown Darter	G3	S1S2		E	1
Fish	<i>Etheostoma denoncourtii</i>	Golden Darter	G2	S2			1
Fish	<i>Etheostoma ditrema</i>	Coldwater Darter	G2	S1		T	1
Fish	<i>Etheostoma forbesi</i>	Barrens Darter	G1G2	S1		E	1
Fish	<i>Etheostoma gutsellii</i>	Tuckasegee Darter	G3G4	S1		E	1
Fish	<i>Etheostoma lemniscatum</i>	Tuxedo Darter	G1	S1	LE	E	3
Fish	<i>Etheostoma luteovinctum</i>	Redband Darter	G4	S4		D	1
Fish	<i>Etheostoma maculatum</i>	Spotted Darter	G2	SP			1
Fish	<i>Etheostoma marmorpinnum</i>	Marbled Darter	G1	S1	LE	E	3
Fish	<i>Etheostoma maydeni</i>	Redlips Darter	G2G3	S2S3		T	1
Fish	<i>Etheostoma microlepidum</i>	Smallscale Darter	G2G3	S2		D	1
Fish	<i>Etheostoma neopterum</i>	Lollypop Darter	G3	S1S2			1
Fish	<i>Etheostoma obeyense</i>	Barcheck Darter	G4	S3			1
Fish	<i>Etheostoma olivaceum</i>	Sooty Darter	G3	S3		D	1

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Fish	<i>Etheostoma percnurum</i>	Duskytail Darter	G1	S1	LE	E	3
Fish	<i>Etheostoma pseudovulatum</i>	Egg-mimic Darter	G1	S1		E	1
Fish	<i>Etheostoma pyrrhogaster</i>	Firebelly Darter	G2G3	S2		D	1
Fish	<i>Etheostoma rupestre</i>	Rock Darter	G4	S3			1
Fish	<i>Etheostoma sagitta</i>	Arrow Darter	G3	S2	C	D	1
Fish	<i>Etheostoma sitikuense</i>	Citico Darter	G1	S1	LE, XN	E	3
Fish	<i>Etheostoma striatulum</i>	Striated Darter	G1	S1		T	1
Fish	<i>Etheostoma susanae</i>	Cumberland Darter	G1G2	S1	LE	E	3
Fish	<i>Etheostoma tippecanoe</i>	Tippecanoe Darter	G3G4	S1S2		D	1
Fish	<i>Etheostoma trisella</i>	Trispot Darter	G1	S1		T	1
Fish	<i>Etheostoma tuscumbia</i>	Tuscumbia Darter	G2	SX		D	1
Fish	<i>Etheostoma vulneratum</i>	Wounded Darter	G3	S2			1
Fish	<i>Etheostoma wapiti</i>	Boulder Darter	G1	S1	LE, XN	E	3
Fish	<i>Fundulus chrysotus</i>	Golden Topminnow	G5	S1S2		D	1
Fish	<i>Fundulus julisia</i>	Barrens Topminnow	G1	S1		E	1
Fish	<i>Hemitremia flammea</i>	Flame Chub	G3	S3		D	1
Fish	<i>Hybognathus placitus</i>	Plains Minnow	G4	S1		D	1
Fish	<i>Hybopsis lineapunctata</i>	Lined Chub	G3G4	S1		D	1
Fish	<i>Ichthyomyzon gagei</i>	Southern Brook Lamprey	G5	S1		D	1
Fish	<i>Ichthyomyzon unicuspis</i>	Silver Lamprey	G5	S2		D	1
Fish	<i>Macrhybopsis gelida</i>	Sturgeon Chub	G3	S1		D	1
Fish	<i>Macrhybopsis meeki</i>	Sicklefin Chub	G3	S2		D	1
Fish	<i>Macrhybopsis sp. 1</i>	Coosa Chub	G3G4	S1			1
Fish	<i>Moxostoma lacerum</i>	Harelip Sucker	GX	SX		D	1
Fish	<i>Moxostoma sp. 2</i>	Sicklefin Redhorse	G2Q	S?	C		1
Fish	<i>Notropis albizonatus</i>	Palezone Shiner	G1	SH	LE	E	3
Fish	<i>Notropis asperifrons</i>	Burrhead Shiner	G4	S2			1
Fish	<i>Notropis buccatus</i>	Silverjaw Minnow	G5	S1		T	1
Fish	<i>Notropis chrosomus</i>	Rainbow Shiner	G4	S3			1
Fish	<i>Notropis dorsalis</i>	Bigmouth Shiner	G5	S1		D	1
Fish	<i>Notropis rubellus</i>	Rosyface Shiner	G5	S2		D	1
Fish	<i>Notropis rupestris</i>	Bedrock Shiner	G2	S2		D	1
Fish	<i>Noturus baileyi</i>	Smoky Madtom	G1	S1	LE, XN	E	3
Fish	<i>Noturus crypticus</i>	Chucky Madtom	G1	S1	LE	E	3
Fish	<i>Noturus fasciatus</i>	Saddled Madtom	G2	S2		T	1
Fish	<i>Noturus flavipinnis</i>	Yellowfin Madtom	G1	S1	LT, XN	E	3
Fish	<i>Noturus gladiator</i>	Piebald Madtom	G3	S3		D	1
Fish	<i>Noturus munitus</i>	Frecklebelly Madtom	G3	S1		T	1

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Fish	<i>Noturus stanauli</i>	Pygmy Madtom	G1	S1	LE	E	3
Fish	<i>Percina antesella</i>	Amber Darter	G1G2	S1	LE	E	3
Fish	<i>Percina aurantiaca</i>	Tangerine Darter	G4	S3		D	1
Fish	<i>Percina burtoni</i>	Blotchside Logperch	G2G3	S2		D	1
Fish	<i>Percina jenkinsi</i>	Conasauga Logperch	G1	S1	LE	E	3
Fish	<i>Percina kusha</i>	Bridled Darter	G2	S1			1
Fish	<i>Percina macrocephala</i>	Longhead Darter	G3	S2		T	1
Fish	<i>Percina phoxocephala</i>	Slenderhead Darter	G5	S3		D	1
Fish	<i>Percina</i> sp. 3	Muscadine Darter	G2Q	S1			1
Fish	<i>Percina squamata</i>	Olive Darter	G3	S2		D	1
Fish	<i>Percina stictogaster</i>	Frecklebelly Darter	G4G5	S1		D	1
Fish	<i>Percina tanasi</i>	Snail Darter	G2G3	S2S3	LT	T	3
Fish	<i>Percina williamsi</i>	Sickle Darter	G2	S2		T	1
Fish	<i>Phenacobius catostomus</i>	Riffle Minnow	G4	S2			1
Fish	<i>Polyodon spathula</i>	Paddlefish	G4	S3	MC		3
Fish	<i>Salvelinus fontinalis</i>	Brook Trout	G5	S3			1
Fish	<i>Scaphirhynchus albus</i>	Pallid Sturgeon	G2	S1	LE	E	3
Fish	<i>Thoburnia atripinnis</i>	Blackfin Sucker	G3	S2		D	1
Fish	<i>Typhlichthys subterraneus</i>	Southern Cavefish	G4	S3		D	1
Flatworm	<i>Sphalloplana buchmanani</i>	(a cave obligate planarian)	G1G2	S1			2
Flatworm	<i>Sphalloplana chandleri</i>	Chandler's Planarian	G1G2	S1			2
Flatworm	<i>Sphalloplana consimilis</i>	Powell Valley Planarian	G2G3	S1			2
Flatworm	<i>Sphalloplana percoeca</i>	(a cave obligate planarian)	G5	S3?			2
Flatworm	<i>Sphalloplana</i> sp.	(flatworms)	G?	S?			2
Flatworm	<i>Sphalloplana</i> sp.	(a cave obligate flatworm)	G2	S?			2
Flatworm	<i>Sphalloplana</i> sp. 2	Rumbling Falls Cave Flatworm	G2	S1			2
Gastropod	<i>Anguispira alabama</i>	Alabama Tigersnail	G2	S2			1
Gastropod	<i>Anguispira cumberlandiana</i>	Cumberland Tigersnail	G1G2	S3?			1
Gastropod	<i>Anguispira knoxensis</i>	Rustic Tigersnail	G1	S2S3			1
Gastropod	<i>Anguispira kochi</i>	Banded Tigershell	G4G5	S2?			1
Gastropod	<i>Anguispira picta</i>	Painted Tigersnail	G1	S1	LT	E	3
Gastropod	<i>Athearnia anthonyi</i>	Anthony's Riversnail	G1	S1	LE, XN	E	3
Gastropod	<i>Carychium exile</i>	Ice Thorn	G5	S?			1
Gastropod	<i>Carychium stygium</i>	Cave Thorn	G3	S2			1
Gastropod	<i>Daedalochila auriformis</i>	Rockpile Liptooth	G4	S1			1
Gastropod	<i>Discus bryanti</i>	Sawtooth Disc	G3	S1S2			1
Gastropod	<i>Discus clappi</i>	Channelled Disc	G1	S1			1
Gastropod	<i>Elimia acuta</i>	Acute Elimia	G1	S1			1

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Gastropod	<i>Elimia arachnoidea</i>	Spider Elimia	G3	S2			1
Gastropod	<i>Elimia aterina</i>	Coal Elimia	G1	S1	MC		1
Gastropod	<i>Elimia christyi</i>	Knotty Elimia	G2	S2			1
Gastropod	<i>Elimia porrecta</i>	Nymph Elimia	G1G2	SU	MC		1
Gastropod	<i>Elimia striatula</i>	File Elimia	G2	S2			1
Gastropod	<i>Elimia strigosa</i>	Brook Elimia	G1	S1	MC		1
Gastropod	<i>Elimia teres</i>	Elegant Elimia	G1	S1	MC		1
Gastropod	<i>Elimia troostiana</i>	Mossy Elimia	G1	S1	MC		1
Gastropod	<i>Euchemotrema fraternum montanum</i>	(a pillsnail)	G5T2	S2			1
Gastropod	<i>Fumonelix archeri</i>	Ocoee Covert	G1	S1			1
Gastropod	<i>Fumonelix christyi</i>	Glossy Covert	G3	S2			1
Gastropod	<i>Fumonelix jonesiana</i>	Big-tooth Covert	G1	S1			1
Gastropod	<i>Fumonelix orestes</i>	Engraved Covert	G1	S?			1
Gastropod	<i>Fumonelix wetherbyi</i>	Clifty Covert	G2G3	S2S3			1
Gastropod	<i>Fumonelix wheatleyi</i>	Cinnamon Covert	G4	S3			1
Gastropod	<i>Fumonelix wheatleyi clingmanicus</i>	Clingman Covert	G4T2T3	S2S3	MC		1
Gastropod	<i>Glyphyalinia junaluskana</i>	Dark Glyph	G2	S2?			1
Gastropod	<i>Glyphyalinia ocoae</i>	Blue-gray Glyph	G1	S1			1
Gastropod	<i>Glyphyalinia pentadelphia</i>	Pink Glyph	G2G3	S2			1
Gastropod	<i>Glyphyalinia rimula</i>	Tongued Glyph	G2	S3			1
Gastropod	<i>Glyphyalinia sp.</i>	terrestrial snails	G1	S?			1
Gastropod	<i>Glyphyalinia sp.</i>	terrestrial snails	G1	S?			1
Gastropod	<i>Glyphyalinia sp.</i>	terrestrial snails	G?	S?			1
Gastropod	<i>Glyphyalinia specus</i>	Hollow Glyph	G3	S4			1
Gastropod	<i>Glyphyalinia wheatleyi</i>	Wheatley's glyph	G4	S?			1
Gastropod	<i>Haplotrema kendeighi</i>	Blue-footed Lancetooth	G1G2	S3			1
Gastropod	<i>Helicodiscus aldrichianus</i>	Burrowing Coil	G2	S3?			1
Gastropod	<i>Helicodiscus barri</i>	Raccoon Coil	G2G4	S3S4			1
Gastropod	<i>Helicodiscus enneodon</i>	Bluff Coil	G2Q	S4S5			1
Gastropod	<i>Helicodiscus fimbriatus</i>	Fringed Coil	G4	S3			1
Gastropod	<i>Helicodiscus hadenoecus</i>	Cricket Coil	G3	S3			1
Gastropod	<i>Helicodiscus hexodon</i>	Toothy Coil	G1	S1			1
Gastropod	<i>Helicodiscus multidens</i>	Twilight Coil	G2	S3			1
Gastropod	<i>Helicodiscus notius specus</i>	(a cave snail)	G5T2	S1?			1
Gastropod	<i>Helicodiscus sp.</i>	terrestrial snails	G?	S?			1
Gastropod	<i>Inflectarius downieanus</i>	Dwarf Globelet	G3	S4			1
Gastropod	<i>Inflectarius ferrissi</i>	Smoky Mountain Covert	G2	S2			1
Gastropod	<i>Inflectarius kalmianus</i>	Brown Globelet	G3	S3			1

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Gastropod	<i>Inflectarius smithi</i>	Alabama Shagreen	G2	S2			1
Gastropod	<i>Inflectarius subpalliatius</i>	Velvet Covert	G2	S2			1
Gastropod	<i>Io fluvialis</i>	Spiny Riversnail	G2	S2			1
Gastropod	<i>Leptoxis crassa</i>	Boulder Snail	G1	SH	(PS)		1
Gastropod	<i>Leptoxis umbilicata</i>	Umbilicate Rocksnail	G1Q	S1			1
Gastropod	<i>Leptoxis virgata</i>	Smooth Mudalia	G2	S1			1
Gastropod	<i>Lithasia armigera</i>	Armored Rocksnail	G3G4	S1S2			1
Gastropod	<i>Lithasia curta</i>	Knobby Rocksnail	G1	SX			1
Gastropod	<i>Lithasia duttoniana</i>	Helmet Rocksnail	G2Q	S2			1
Gastropod	<i>Lithasia geniculata fuliginosa</i>	Geniculate River Snail	G3T3Q	S2			1
Gastropod	<i>Lithasia geniculata pinguis</i>	Small Geniculate River Snail	G3T3Q	S2			1
Gastropod	<i>Lithasia jayana</i>	Rugose Rocksnail	G2	S2	MC		1
Gastropod	<i>Lithasia lima</i>	Warty Rocksnail	G2Q	S2			1
Gastropod	<i>Lithasia salebrosa</i>	Muddy Rocksnail	G2G3Q	S2			1
Gastropod	<i>Marstonia ogmorhaphae</i>	Royal Springsnail	G1	S1	LE	E	3
Gastropod	<i>Marstonia scalariformis</i>	Moss Pyrg	G1	SX			1
Gastropod	<i>Megapallifera wetherbyi</i>	Blotchy Mantleslug	G2G3	S3			1
Gastropod	<i>Mesodon altivagus</i>	Wandering Globe	G2G3	S?			1
Gastropod	<i>Mesodon andrewsae</i>	Balsam Globe	G3	S3			1
Gastropod	<i>Mesodon sanus</i>	Squat Globelet	G3	S2S3			1
Gastropod	<i>Mesomphix andrewsae</i>	Mountain Button	G2G3	S3S4			1
Gastropod	<i>Mesomphix rugeli</i>	Wrinkled Button	G4	S3			1
Gastropod	<i>Mesomphix subplanus</i>	Flat Button	G3	S3S4			1
Gastropod	<i>Paravitrea alethia</i>	Goddess Supercoil	G1	S1?			1
Gastropod	<i>Paravitrea andrewsae</i>	High Mountain Supercoil	G2	S3?			1
Gastropod	<i>Paravitrea bellona</i>	Club Supercoil	G1	S?			1
Gastropod	<i>Paravitrea blarina</i>	Shrew Supercoil	G2	S3			1
Gastropod	<i>Paravitrea calcicola</i>	Pearl Supercoil	G1	S1?			1
Gastropod	<i>Paravitrea clappi</i>	Mirey Ridge Supercoil	G2G3	S2S3			1
Gastropod	<i>Paravitrea lamellidens</i>	Lamellate Supercoil	G2	S2			1
Gastropod	<i>Paravitrea lapilla</i>	Gem Supercoil	G2	S3?			1
Gastropod	<i>Paravitrea metallacta</i>	Caney Fork Supercoil	G2	S3			1
Gastropod	<i>Paravitrea petrophila</i>	Cherokee Supercoil	G2G3	S4			1
Gastropod	<i>Paravitrea placentula</i>	Glossy Supercoil	G3	S3			1
Gastropod	<i>Paravitrea reesei</i>	Round Supercoil	G2	S1S2			1
Gastropod	<i>Paravitrea subtilis</i>	Slender Supercoil	G2	S3?			1
Gastropod	<i>Paravitrea tantilla</i>	Teasing Supercoil	G2G3	S4			1
Gastropod	<i>Paravitrea ternaria</i>	Sculpted Supercoil	G1	S1S2	MC		1

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Gastropod	<i>Paravitrea tridens</i>	White-foot Supercoil	G2	S2			1
Gastropod	<i>Paravitrea umbilicaris</i>	Open Supercoil	G2	S2?			1
Gastropod	<i>Paravitrea variabilis</i>	Variable Supercoil	G2G3	S2S3			1
Gastropod	<i>Paravitrea varidens</i>	Roan Supercoil	G1G2	S1S2	MC		1
Gastropod	<i>Patera clarki</i>	Dwarf Proud Globe	G3	S2S3	(PS)		1
Gastropod	<i>Philomycus sellatus</i>	Alabama Mantleslug	G2G3	S3?			1
Gastropod	<i>Philomycus virginicus</i>	Virginia Mantleslug	G3	S2S3			1
Gastropod	<i>Pilsbryna aurea</i>	Ornate Bud	G1	S1			1
Gastropod	<i>Pilsbryna castanea</i>	Prominent Bud	G1	S2			1
Gastropod	<i>Pilsbryna vanattai</i>	Honey Glyph	G2G3	S2S3			1
Gastropod	<i>Pleurocera alveare</i>	Rugged Hornsnail	G3	S2	MC		1
Gastropod	<i>Pleurocera corpulenta</i>	Corpulent Hornsnail	G1	S1			1
Gastropod	<i>Pleurocera curta</i>	Shortspire Hornsnail	G2	S2	MC		1
Gastropod	<i>Pleurocera trochiformis</i>	Sulcate Hornsnail	G2	S2			1
Gastropod	<i>Pleurocera walkeri</i>	Telescope Hornsnail	G1	S1			1
Gastropod	<i>Somatogyrys aureus</i>	Golden Pebblesnail	G1	S1			1
Gastropod	<i>Somatogyrys parvulus</i>	Sparrow Pebblesnail	G1G2Q	SR	MC		1
Gastropod	<i>Somatogyrys sp. 2</i>	Hiwassee Pebblesnail	G1Q	S1			1
Gastropod	<i>Somatogyrys tennesseensis</i>	Opaque Pebblesnail	G1	S1	MC		1
Gastropod	<i>Stenotrema altispira</i>	Highland Slitmouth	G3	S2?			1
Gastropod	<i>Stenotrema angellum</i>	Kentucky Slitmouth	G4	S3			1
Gastropod	<i>Stenotrema calvescens</i>	Chattanooga Slitmouth	G2	S3S4			1
Gastropod	<i>Stenotrema cohuttense</i>	Cohutta Slitmouth	G2	S2			1
Gastropod	<i>Stenotrema depilatum</i>	Great Smoky Slitmouth	G2	S3			1
Gastropod	<i>Stenotrema edgarianum</i>	Sequatchie Slitmouth	G2G3	S2S3			1
Gastropod	<i>Stenotrema exodon</i>	Alabama Slitmouth	G2	S?			1
Gastropod	<i>Stenotrema magnafumosum</i>	Appalachian Slitmouth	G3	S3S4			1
Gastropod	<i>Stenotrema pilula</i>	Pygmy Slitmouth	G3G4	S3			1
Gastropod	<i>Stenotrema waldense</i>	Doaks Creek Slitmouth	G1	S2S3			1
Gastropod	<i>Striatura exigua</i>	Ribbed Striate	G5	S1			1
Gastropod	<i>Succinea greerii</i>	Dryland Ambersnail	G3	S3?			1
Gastropod	<i>Triodopsis anteridon</i>	Carter Threetooth	G3	S1S2			1
Gastropod	<i>Triodopsis claibornensis</i>	Claiborne Threetooth	G2	S2			1
Gastropod	<i>Ventridens coelaxis</i>	Bidentate Dome	G3	S2S3			1
Gastropod	<i>Ventridens decussatus</i>	Crossed Dome	G3	S2?			1
Gastropod	<i>Ventridens eutropis</i>	Carinate Dome	G2	S3?			1
Gastropod	<i>Ventridens lasmodon</i>	Hollow Dome	G3	S4			1
Gastropod	<i>Ventridens percallosus</i>	Tennessee Dome	G2	S3			1

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Gastropod	<i>Vertigo clappi</i>	Cupped Vertigo	G1G2	S1			1
Gastropod	<i>Vertigo parvula</i>	Smallmouth Vertigo	G3	S2S3			1
Gastropod	<i>Vertigo teskeyae</i>	Swamp Vertigo	G5	S1			1
Gastropod	<i>Webbhelix multilineata</i>	Striped Whitelip	G5	S2			1
Gastropod	<i>Xolotrema obstrictum</i>	Sharp Wedge	G3	S5			1
Gastropod	<i>Zonitoides lateumbilicatus</i>	Striate Gloss	G3G4	S2?			1
Insect	<i>Acrotrichis lucidula</i>	Feather-winged Beetle	G2G3	SE1?			2
Insect	<i>Agarodes stannardi</i>	Stannard's Agarodes Caddisfly	GNR	SP	MC		2
Insect	<i>Aleochara lucifuga</i>	(a rove beetle)	G4	S?			2
Insect	<i>Aleochara sp.</i>	(a rove beetle)	G?	S?			2
Insect	<i>Allocapnia brooksi</i>	Sevier Snowfly	G2	S2			2
Insect	<i>Allocapnia cunninghami</i>	Karst Snowfly	G1G2	S1			2
Insect	<i>Allocapnia fumosa</i>	Smokies Snowfly	G2	S3?			2
Insect	<i>Allocapnia perplexa</i>	Perplexing Snowfly	G1	S1			2
Insect	<i>Aloconota diversiseta</i>	(a rove beetle)	G1	S1			2
Insect	<i>Aloconota insecta</i>	(a rove beetle)	G4	S?			2
Insect	<i>Aloconota laurentiana</i>	(a rove beetle)	G4	S?			2
Insect	<i>Amblyscirtes linda</i>	Linda's Roadside Skipper	G2G3	S2			2
Insect	<i>Amphinemura mockfordi</i>	Tennessee Forestfly	G2	S2?			2
Insect	<i>Anillinus longiceps</i>	(a cave obligate beetle)	G?	S?			2
Insect	<i>Anillinus sp.</i>	(a ground beetle)	G?	S?			2
Insect	<i>Anillinus sp.</i>	(undescribed ground beetle)	G1	S?			2
Insect	<i>Anillinus sp. 5</i>	Flag Trail Cave Beetle	G1	S1			2
Insect	<i>Arianops pecki</i>	(a cave ant beetle)	G?	S?			2
Insect	<i>Arianops sp.</i>	(cave ant beetles)	G1	S?			2
Insect	<i>Arianops stygica</i>	(a cave ant beetle)	G1	S?			2
Insect	<i>Arrhopalites benitus</i>	(a springtail)	G4	S?			2
Insect	<i>Arrhopalites caecus</i>	(a springtail)	G4	S?			2
Insect	<i>Arrhopalites marshalli</i>	Marshall's Cave Springtail	G2	S?			2
Insect	<i>Arrhopalites pavo</i>	(a cave springtail)	G2	S?			2
Insect	<i>Arrhopalites pygmaeus</i>	(a springtail)	G4	S?			2
Insect	<i>Arrhopalites sp.</i>	(a cave obligate springtail)	G1	S1			2
Insect	<i>Arrhopalites sp. 2 near bimus</i>	(undescribed cave springtail)	G1	S?			2
Insect	<i>Arrhopalites sp. 3 near benitus</i>	(undescribed cave springtail)	G1	S?			2
Insect	<i>Arrhopalites sp. 4</i>	(undescribed cave springtail)	G1	S1			2
Insect	<i>Arrhopalites sp. 4 near lacuna</i>	(undescribed cave springtail)	G1	S?			2
Insect	<i>Atheta annexa</i>	(a rove beetle)	G4	S?			2
Insect	<i>Atheta lucifuga</i>	Light Shunning Rove Beetle	G4	S2			2

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Insect	<i>Atheta</i> sp.	(a rove beetle)	G?	S?			2
Insect	<i>Atheta trogliphila</i>	(a trogliphilic rove beetle)	G4	S?			2
Insect	<i>Atranus pubescens</i>	(a ground beetle)	G4	S?			2
Insect	<i>Batrisymmodes jeanneli</i>	(a cave obligate beetle)	G3	S1S2			2
Insect	<i>Batrisymmodes quisnamus</i>	(a cave obligate beetle)	G3	S3			2
Insect	<i>Batrisymmodes spelaeus</i>	(a cave obligate beetle)	G3G4	S2?			2
Insect	<i>Batrisodes barri</i>	(a cave obligate beetle)	G1G2	S1S2			2
Insect	<i>Batrisodes clypeospecus</i>	(a cave obligate beetle)	G1G2	S1S2			2
Insect	<i>Batrisodes ferulifer</i>	(a cave obligate beetle)	G1	S1			2
Insect	<i>Batrisodes gemmoides</i>	(a cave obligate beetle)	G1	S1			2
Insect	<i>Batrisodes gemmus</i>	(a cave obligate beetle)	G1	S1			2
Insect	<i>Batrisodes pannosus</i>	(a cave obligate beetle)	G1	S1			2
Insect	<i>Batrisodes</i> sp.	ant beetles	G?	S?			2
Insect	<i>Batrisodes</i> sp.	ant beetles	G?	S?			2
Insect	<i>Batrisodes specus</i>	(a beetle)	G3G4	S?			2
Insect	<i>Batrisodes valentinei</i>	(a cave obligate beetle)	G2G4	S3S4			2
Insect	<i>Bembidion lacunarium</i>	ground beetle	G4	S?			2
Insect	<i>Callophrys irus</i>	Frosted Elfin	G3	S2S3			2
Insect	<i>Catops graciosus</i>	round fungus beetle	G4	S?			2
Insect	<i>Ceratophysella denticulata</i>	Toothed springtail	G4	S?			2
Insect	<i>Ceratophysella</i> sp.	springtails	G?	S?			2
Insect	<i>Ceratophysella</i> undescribed sp., denticulata group	springtail	G?	S?			2
Insect	<i>Ceuthophilus ensifer</i>	cave cricket	G3	S?			2
Insect	<i>Ceuthophilus gracilipes</i> vs. <i>stygus</i>	cave cricket	G4	S?			2
Insect	<i>Ceuthophilus</i> sp.	cave crickets	G?	S?			2
Insect	<i>Ceuthophilus stygius</i>	cave cricket	G4	S?			2
Insect	<i>Cheumatopsyche helma</i>	Helma's Net-spinning Caddisfly	G3	S1S3			2
Insect	<i>Cicindela ancocisconensis</i>	(a tiger beetle)	G3	S2			2
Insect	<i>Darlingtonia kentuckensis</i>	(a ground beetle)	G3G4	S1?			2
Insect	<i>Desoria trispinata</i>	Three-spined springtail	G4	S?			2
Insect	<i>Desoria truncata</i>	Truncate springtail	G4?	S?			2
Insect	<i>Dissochaetus oblitus</i>	round fungus beetle	G4	S?			2
Insect	<i>Euhadenoecus puteaus</i>	cave cricket	G4	S?			2
Insect	<i>Folsomia candida</i>	springtail	G4	S?			2
Insect	<i>Folsomia</i> sp. 2 nr. <i>macrochaeta</i>	(a cave obligate springtail)	G1	S1			2
Insect	<i>Folsomia stella</i>	Stellate springtail	G4	S?			2
Insect	<i>Glyphopsyche sequatchie</i>	Sequatchie Caddisfly	G1	S1	C		2
Insect	<i>Gomphus consanguis</i>	Cherokee Clubtail	G3	S1			2

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Insect	<i>Gomphus sandrius</i>	Tennessee Clubtail	G1	S1			2
Insect	<i>Gomphus septima</i>	Septima's Clubtail	G2	SR			2
Insect	<i>Habrophlebiodes celeteria</i>	(a mayfly)	G2G4	S2	MC		2
Insect	<i>Hadenocini</i> sp.	cave crickets	G?	S?			2
Insect	<i>Hadenoeucus barri</i>	Barr's cave cricket	G4	S?			2
Insect	<i>Hadenoeucus jonesi</i>	Jones' cave cricket	G3G4	S?			2
Insect	<i>Hadenoeucus opilionides</i>	(a cave obligate cricket)	G3	S3			2
Insect	<i>Hydroperla rickeri</i>	Tennessee Springfly	G2	S2			2
Insect	<i>Hydropsyche etnieri</i>	Buffalo Springs Caddisfly	G2	S2			2
Insect	<i>Hypogastrura antra</i>	springtail	G?	S?			2
Insect	<i>Hypogastrura</i> sp. 1	(a viatica group springtail)	G1	S1			2
Insect	<i>Hypogastrura</i> sp. Denticulata group	springtail	G?	S?			2
Insect	<i>Hypogastrura</i> undescribed sp.	springtails	G?	S?			2
Insect	<i>Lesteva pallipes</i>	rove beetle	G4	S?			2
Insect	<i>Litocampa barryi</i>	(a bristletail)	G?	S?			2
Insect	<i>Litocampa cherokeensis</i>	(a bristletail)	G?	S?			2
Insect	<i>Litocampa cookei</i>	Cooke's Cave Dipluran	G3	S?			2
Insect	<i>Litocampa davisii</i>	(a bristletail)	G?	S?			2
Insect	<i>Litocampa inexpectata</i>	(a bristletail)	G?	S?			2
Insect	<i>Litocampa</i> sp.	(bristletails)	G?	S?			2
Insect	<i>Litocampa</i> sp. 1	undescribed cave dipluran	G1	S?			2
Insect	<i>Litocampa</i> sp. 5	Rumbling Falls Cave Dipluran	G2	S1			2
Insect	<i>Litocampa</i> sp. 6	Buffalo Cove Cave Dipluran	G1	S1			2
Insect	<i>Litocampa</i> sp. 7	Mill Hollow Cave Dipluran	G1	S1			2
Insect	<i>Litocampa</i> sp. 8	Mountain Eye Cave Dipluran	G1	S1			2
Insect	<i>Litocampa valentinei</i>	(a cave obligate bristletail)	G5	S2			2
Insect	<i>Macrocera nobilis</i>	fungus gnat	G4	S?			2
Insect	<i>Macromia margarita</i>	Mountain River Cruiser	G3	S2S3			2
Insect	<i>Megaleuctra williamsae</i>	Williams' Rare Winter Stonefly	G2	S1S2			2
Insect	<i>Megaselia cavernicola</i>	cave hump-backed fly	G5	S?			2
Insect	<i>Neanura</i> sp. 1	Swamp River Cave Neanura	G1	S1			2
Insect	<i>Nelsonites walteri</i>	(a cave obligate beetle)	G3	S3			2
Insect	<i>Nemadus horni</i>	small carrion beetle	G4	S?			2
Insect	<i>Nicrophorus americanus</i>	American Burying Beetle	G2G3	SH	LE		3
Insect	<i>Oconoperla innubila</i>	(a stonefly)	G2	S2?			2
Insect	<i>Onychiurus pseudofimetarius</i>	springtail	G4	S?			2
Insect	<i>Onychiurus reluctus</i>	springtail	G4	S?			2
Insect	<i>Onychiurus</i> sp.	springtails	G?	S?			2

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Insect	<i>Onychiurus</i> sp. 2	Swamp River Cave Onychiurus	G1	S1			2
Insect	<i>Ophiogomphus acuminatus</i>	Acuminate Snaketail	G3	S2			2
Insect	<i>Ophiogomphus alleghaniensis</i>	Allegheny Snaketail	G3T2T3	S1			2
Insect	<i>Ophiogomphus edmundo</i>	Edmund's Snaketail	G1G2	S1			2
Insect	<i>Ophiogomphus howei</i>	Howe's Dragonfly	G3	S3?			2
Insect	<i>Paraleptophlebia kirchneri</i>	(a mayfly)	G1	S1			2
Insect	<i>Perlesta etnieri</i>	(a stonefly)	G1	SNR			2
Insect	<i>Platynus tenuicollis</i>	ground beetle	G4	S?			2
Insect	<i>Plauditus grandis</i>	(a mayfly)	G1	S1			2
Insect	<i>Prionochaeta opaca</i>	small carrion beetle	G4	S?			2
Insect	<i>Pseudanophthalmus acherontis</i>	Echo Cave Beetle	G1	S1			2
Insect	<i>Pseudanophthalmus beakleyi</i>	(a cave obligate beetle)	G3G4	S3			2
Insect	<i>Pseudanophthalmus bendermani</i>	Benderman's Cave Beetle	G1G2	S1S2			2
Insect	<i>Pseudanophthalmus catherinae</i>	Catherine's Cave Beetle	G1	S1			2
Insect	<i>Pseudanophthalmus cerberus cerberus</i>	(a cave obligate beetle)	G3G4T3T4	S?			2
Insect	<i>Pseudanophthalmus ciliaris ciliaris</i>	(a cave obligate beetle)	G3G4T1T2	S1S2			2
Insect	<i>Pseudanophthalmus colemanensis</i>	Coleman Cave Beetle	G1	S1			2
Insect	<i>Pseudanophthalmus cumberlandus</i>	(a cave obligate beetle)	G3	S3			2
Insect	<i>Pseudanophthalmus digitus</i>	(a cave obligate beetle)	G1G2	S2			2
Insect	<i>Pseudanophthalmus engelhardti</i>	Engelhart's Cave Beetle	G1	S1			2
Insect	<i>Pseudanophthalmus farrelli</i>	(a cave obligate beetle)	G1G2	S1S2			2
Insect	<i>Pseudanophthalmus fowlerae</i>	Fowler's Cave Beetle	G1	S1	C		2
Insect	<i>Pseudanophthalmus fulleri</i>	(a cave obligate beetle)	G2G3	S2S3			2
Insect	<i>Pseudanophthalmus hesperus</i>	(a cave obligate beetle)	G1	S1			2
Insect	<i>Pseudanophthalmus humeralis</i>	(a cave obligate beetle)	G2	S2			2
Insect	<i>Pseudanophthalmus inquisitor</i>	Inquirer Cave Beetle	G1	S1	C		2
Insect	<i>Pseudanophthalmus insularis</i>	Baker Station Cave Beetle	GH	S1	C		2
Insect	<i>Pseudanophthalmus intermedius</i>	Intermediate cave beetle	G2	S?			2
Insect	<i>Pseudanophthalmus jonesi</i>	Grassy Cove Cave Beetle	G1G2	S1S2			2
Insect	<i>Pseudanophthalmus loganensis</i>	(a cave obligate beetle)	G2G3	S1S2			2
Insect	<i>Pseudanophthalmus longiceps</i>	Long-headed Cave Beetle	G1G2	S1			2
Insect	<i>Pseudanophthalmus macradei</i>	(a cave obligate beetle)	G1G2	S1S2			2
Insect	<i>Pseudanophthalmus nickajackensis</i>	Nickajack Cave Beetle	G1	S1			2
Insect	<i>Pseudanophthalmus nortoni</i>	Norton's Cave Beetle	G1	S1			2
Insect	<i>Pseudanophthalmus occidentalis</i>	Western Cave Beetle	G1G2	S1			2
Insect	<i>Pseudanophthalmus pallidus</i>	Pale Cave Beetle	G1G2	S1S2			2
Insect	<i>Pseudanophthalmus paradoxus</i>	Ridgetop Cave Beetle	G1	S1			2
Insect	<i>Pseudanophthalmus paulus</i>	Noble's Cave Beetle	GH	S1	C		2

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Insect	<i>Pseudanophthalmus paynei</i>	Payne's Cave Beetle	G1	S1			2
Insect	<i>Pseudanophthalmus princeps</i>	(a cave obligate beetle)	G1G2	S?		S1S2	2
Insect	<i>Pseudanophthalmus productus</i>	(a cave obligate beetle)	G3G4	S3			2
Insect	<i>Pseudanophthalmus pusillus</i>	Tiny Cave Beetle	G1	S1			2
Insect	<i>Pseudanophthalmus robustus</i>	(a cave obligate beetle)	G3G4	S3			2
Insect	<i>Pseudanophthalmus rotundatus</i>	(a cave obligate beetle)	G2	S2			2
Insect	<i>Pseudanophthalmus scutilus</i>	New Mammoth Cave Beetle	G1	S1			2
Insect	<i>Pseudanophthalmus sidus</i>	Meredith Cave Beetle	G1	S1			2
Insect	<i>Pseudanophthalmus simplex</i>	Simple Cave Beetle	G1G2	S1S2			2
Insect	<i>Pseudanophthalmus</i> sp.	Keyhole cave beetle	G1	S?			2
Insect	<i>Pseudanophthalmus</i> sp.	cave ground beetles	G1	S?			2
Insect	<i>Pseudanophthalmus</i> sp.	(a cave obligate beetle)	G?	S?			2
Insect	<i>Pseudanophthalmus</i> sp.	Aaron Tolletts cave beetle	G1	S?			2
Insect	<i>Pseudanophthalmus</i> sp.	Wilmoth cave beetle	G1	S?			2
Insect	<i>Pseudanophthalmus</i> sp.	Caney Hollow cave ground beetle	G1	S?			2
Insect	<i>Pseudanophthalmus</i> sp.	Sells cave ground beetle	G2	S?			2
Insect	<i>Pseudanophthalmus</i> sp.	Baker cave beetle	G1	S?			2
Insect	<i>Pseudanophthalmus</i> sp. 27	Rumbling Falls Cave Beetle	G1	S1			2
Insect	<i>Pseudanophthalmus</i> sp. 29	Falling Springs Cave Beetle	G1	S1			2
Insect	<i>Pseudanophthalmus</i> sp. 30	Ace in the Hole Cave Beetle	G1	S1			2
Insect	<i>Pseudanophthalmus</i> sp. 36	Millers Cave Beetle	GNR	S1?			2
Insect	<i>Pseudanophthalmus</i> sp. 36	Gunters Cave Beetle	G?	S?		S1?	2
Insect	<i>Pseudanophthalmus</i> sp. A englehardti group	(a cave obligate beetle)	G?	S?			2
Insect	<i>Pseudanophthalmus</i> sp. B englehardti group	(a cave obligate beetle)	G?	S?			2
Insect	<i>Pseudanophthalmus</i> sp. B jonesi group	(a cave obligate beetle)	G?	S?			2
Insect	<i>Pseudanophthalmus</i> sp. TN #1 SCA or TN #28?	(a cave obligate beetle)	G1	S1			2
Insect	<i>Pseudanophthalmus templetoni</i>	(a cave obligate beetle)	G1	S1			2
Insect	<i>Pseudanophthalmus tennesseensis</i>	(a cave obligate beetle)	G3	S2			2
Insect	<i>Pseudanophthalmus tiresias</i>	Indian Grave Point Cave Beetle	G1	S1	C		2
Insect	<i>Pseudanophthalmus tullahoma</i>	Duck River Cave Beetle	G1G2	S1			2
Insect	<i>Pseudanophthalmus unionis</i>	Union County Cave Beetle	G1G2	S1			2
Insect	<i>Pseudanophthalmus valentinei</i>	(a cave obligate beetle)	G3G4	S2S3			2
Insect	<i>Pseudanophthalmus vanburenensis</i>	(a cave obligate beetle)	G1	S1			2
Insect	<i>Pseudanophthalmus ventus</i>	Blowing Cave Beetle	G1	S1			2
Insect	<i>Pseudanophthalmus wallacei</i>	Wallace's Cave Beetle	G1	S1			2
Insect	<i>Pseudosinella aera</i>	(a cave obligate springtail)	G4	S2			2
Insect	<i>Pseudosinella aera</i>	(a cave springtail)	G?	S?			2
Insect	<i>Pseudosinella alba</i>	White springtail	G4	S?			2

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Insect	<i>Pseudosinella cf. christianseni</i>	(a cave springtail)	G?	S?			2
Insect	<i>Pseudosinella cf. gisini</i>	(a cave springtail)	G?	S?			2
Insect	<i>Pseudosinella cf. nata</i>	(a cave springtail)	G?	S?			2
Insect	<i>Pseudosinella christianseni</i>	Christiansen's Cave Springtail	G5	S2			2
Insect	<i>Pseudosinella collina</i>	(a springtail)	G3G4	S?			2
Insect	<i>Pseudosinella hirsuta</i>	Hirsute Cave Springtail	G5	S3			2
Insect	<i>Pseudosinella orba</i>	(a cave obligate springtail)	G3G4	S2			2
Insect	<i>Pseudosinella pecki</i>	Peck's cave springtail	G2	S?			2
Insect	<i>Pseudosinella sp.</i>	(a springtail)	G?	S?			2
Insect	<i>Pseudosinella sp. 5</i>	Swamp River Cave Pseudosinella	G1	S1			2
Insect	<i>Pseudosinella sp. 6</i>	(a cave obligate springtail)	G1	S1			2
Insect	<i>Pseudosinella sp. 7 nr. Nata</i>	(a cave obligate springtail)	G1	S1			2
Insect	<i>Pseudosinella spinosa</i>	Spinose Cave Springtail	G5	S2			2
Insect	<i>Pseudosinella undescribed sp. near espanita</i>	cave springtail	G1	S?			2
Insect	<i>Psyllipsocus ramburi</i>	(a cave barklice)	G4	S?			2
Insect	<i>Ptomaphagus barri</i>	(a cave obligate beetle)	G2G3	S1S2			2
Insect	<i>Ptomaphagus chromolithus</i>	(a cave obligate beetle)	G2G3	S1			2
Insect	<i>Ptomaphagus fecundus</i>	(a cave obligate beetle)	G1	S1			2
Insect	<i>Ptomaphagus hatchi</i>	Hatch's cave fungus beetle	G3	S3?			2
Insect	<i>Ptomaphagus hubrichti</i>	(a cave obligate beetle)	G2G3	S1			2
Insect	<i>Rhadine caudata</i>	ground beetle	G4	S?			2
Insect	<i>Sciara sp.</i>	fungus gnats	G?	S?			2
Insect	<i>Semiothisa fraserata</i>	Fraser Fir Geometrid Moth	G2?	S2?			2
Insect	<i>Sensillanura barberi</i>	Barber's Springtail	G4	S?			2
Insect	<i>Sinella basidens</i>	(a cave obligate springtail)	G3G4	S1?			2
Insect	<i>Sinella cavernarum</i>	(a springtail)	G5	S3			2
Insect	<i>Speleochus steevesi</i>	(a cave obligate beetle)	G?	S?			2
Insect	<i>Speleochus undescribed species</i>	(a beetle)	G?	S?			2
Insect	<i>Spelobia tenebrarum</i>	Cave dung fly	G5	S?			2
Insect	<i>Speyeria diana</i>	Diana Fritillary	G3G4	S3			2
Insect	<i>Stenonema sinclairi</i>	(a mayfly)	G2	S2			2
Insect	<i>Stenoponia americana</i>	flea	G5	S?			2
Insect	<i>Subterrochus ferus</i>	cave ant beetle	G1G2	S?			2
Insect	<i>Subterrochus sp.</i>	cave ant beetles	G1	S?			2
Insect	<i>Tomocerus bidentatus</i>	Two-toothed springtail	G4	S?			2
Insect	<i>Tomocerus dubius</i>	springtail	G4	S?			2
Insect	<i>Tomocerus flavescens</i>	Golden springtail	G5	S?			2
Insect	<i>Tomocerus missus</i>	Relict cave springtail	G4	S?			2

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Insect	Tomocerus sp.	springtails	G1	S?			2
Insect	Trechus cumberlandus	Cumberland Ground Beetle	G2	S2			2
Insect	Trechus tennesseensis tauricus	(a carabid beetle)	GNRTNR	S1			2
Insect	Trechus tennesseensis tennesseensis	(a carabid beetle)	GNRTNR	S1			2
Insect	Trechus tuckaleechee	(a carabid beetle)	GNR	S2			2
Insect	Triacanthella copelandi	Copeland's Cave Springtail	G1	S1			2
Insect	Tychobythinus strinatii	(a cave obligate beetle)	G1G2	S1S2			2
Insect	Typhlogastrura christianseni	Christiansen's cave springtail	G1	S?			2
Insect	Undetermined species	sepsid Black scavenger fly	G?	S?			2
Insect	Zapada chila	(a stonefly)	G2	S2?			2
Mammal	Condylura cristata	Star-nosed Mole	G5	S2		D	1
Mammal	Glaucomys sabrinus coloratus	Carolina Northern Flying Squirrel	G5T2	S1S2	LE	E	3
Mammal	Martes pennanti	Fisher	G5	S1			1
Mammal	Microtus chrotorrhinus carolinensis	Southern Rock Vole	G4T3	S2		D	1
Mammal	Mustela nivalis	Least Weasel	G5	S2			1
Mammal	Napaeozapus insignis	Woodland Jumping Mouse	G5	S4		D	1
Mammal	Neotoma floridana haematoreia	Southern Appalachian Woodrat	G5T4Q	S2		D	1
Mammal	Neotoma floridana illinoensis	Eastern Woodrat	G5T5	S3		D	1
Mammal	Neotoma magister	Allegheny Woodrat	G3G4	S3		D	1
Mammal	Ochrotomys nuttalli	Golden Mouse	G5	SU			1
Mammal	Parascalops breweri	Hairy-tailed Mole	G5	S3		D	1
Mammal	Sorex cinereus	Cinereus Shrew	G5	S4		D	1
Mammal	Sorex dispar	Long-tailed Shrew	G4	S2		D	1
Mammal	Sorex fumeus	Smoky Shrew	G5	S4		D	1
Mammal	Sorex hoyi	American Pygmy Shrew	G5	S2			1
Mammal	Sorex longirostris	Southeastern Shrew	G5	S4		D	1
Mammal	Sorex palustris	American Water Shrew	G5	S2		D	1
Mammal	Spilogale putorius	Eastern Spotted Skunk	G4	S3			1
Mammal	Sylvilagus transitionalis	Appalachian Cottontail	G4	S3	MC		3
Mammal	Synaptomys cooperi	Southern Bog Lemming	G5	S4		D	1
Mammal	Tamiasciurus hudsonicus	Red Squirrel	G5	S4S5			3
Mammal	Zapus hudsonius	Meadow Jumping Mouse	G5	S4	No Status	D	1
Millipede	Ameractis satis	(a cave obligate millipede)	G4	S?			2
Millipede	Cambala sp.	millipeds	G?	S?			2
Millipede	Chaetaspis debilis	(a cave obligate millipede)	G?	S?			2
Millipede	Chaetaspis mollis	(a cave obligate millipede)	G1	S1			2
Millipede	Chaetaspis sp.	cave millipeds	G?	S?			2
Millipede	Chaetaspis sp. 1	Thunder Run Cave Millipede	G1	S1			2

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Millipede	<i>Delophon holti</i>	Hamblen County Millipede	GNR	S1			2
Millipede	<i>Ophiulus pilosus</i>	(a millipede)	G?	S?			2
Millipede	<i>Pseudotremia acheron</i>	(a cave obligate millipede)	G1G2	S1			2
Millipede	<i>Pseudotremia cercops</i>	(a cave obligate millipede)	G1	S1			2
Millipede	<i>Pseudotremia deprehendor</i>	(a cave obligate millipede)	G2G3	S1?			2
Millipede	<i>Pseudotremia eburnea</i>	(a cave obligate millipede)	G2G4	S?			2
Millipede	<i>Pseudotremia garlandae</i>	Garland's Cave Millipede	G1	S1			2
Millipede	<i>Pseudotremia lethe</i>	(a cave obligate millipede)	G1	S1			2
Millipede	<i>Pseudotremia lictor</i>	(a cave obligate millipede)	G1	S1			2
Millipede	<i>Pseudotremia manni</i>	Mann's Cave Millipede	G1	S1			2
Millipede	<i>Pseudotremia minos</i>	Russell cave milliped	G1	S?			2
Millipede	<i>Pseudotremia n. sp.</i>	(a cave obligate millipede)	G?	S?			2
Millipede	<i>Pseudotremia nodosa</i>	(a cave obligate millipede)	G4	S2S3			2
Millipede	<i>Pseudotremia rhadamanthus</i>	(a cave obligate millipede)	G1G2	S1			2
Millipede	<i>Pseudotremia roebuckorum</i>	Roebuck's Cave Millipede	G1	S1			2
Millipede	<i>Pseudotremia sp.</i>	cave millipeds	G?	S?			2
Millipede	<i>Pseudotremia sp. 10</i>	Baker cave milliped	G1	S?			2
Millipede	<i>Pseudotremia sp. 5</i>	Three Forks cave milliped	G1	S?			2
Millipede	<i>Pseudotremia sp. 6</i>	Slippery slit cave milliped	G1	S?			2
Millipede	<i>Pseudotremia sp. 7</i>	Barr's cave milliped	G?	S?			2
Millipede	<i>Pseudotremia sp. 8</i>	Skylight cave milliped	G1	S?			2
Millipede	<i>Pseudotremia sp. 9</i>	Holliday's cave milliped	G1	S?			2
Millipede	<i>Pseudotremia undescribed sp.</i>	Hoffman's cave milliped	G1	S?			2
Millipede	<i>Pseudotremia undescribed sp.</i>	Shear's cave milliped	G1	S?			2
Millipede	<i>Pseudotremia valga</i>	(a cave obligate millipede)	G1G2	S1?			2
Millipede	<i>Pseudotremia wallaceae</i>	Wallace's Cave Millipede	G1	S1			2
Millipede	<i>Scoterpes blountensis</i>	(a cave obligate millipede)	G?	S?			2
Millipede	<i>Scoterpes copei</i>	(a cave obligate millipede)	G3G4Q	S1			2
Millipede	<i>Scoterpes hesperus</i>	(a cave obligate millipede)	G?	S?			2
Millipede	<i>Scoterpes jackdanieli</i>	(a cave obligate millipede)	G?	S?			2
Millipede	<i>Scoterpes musicarustica</i>	(a cave obligate millipede)	G?	S?			2
Millipede	<i>Scoterpes sp.</i>	cave millipeds	G1	S?			2
Millipede	<i>Scoterpes sp.</i>	cave millipeds	G2	S?			2
Millipede	<i>Scoterpes sp.</i>	cave millipeds	G?	S?			2
Millipede	<i>Scoterpes tricornis</i>	(a cave obligate millipede)	G?	S?			2
Millipede	<i>Scoterpes undescribed sp.</i>	(a cave milliped)	G2G3	S?			2
Millipede	<i>Scoterpes ventus</i>	Eastern Tennessee Cave Millipede	G3	S1			2
Millipede	<i>Tetracion jonesi</i>	(a cave obligate millipede)	G3G4	S1S2			2

Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	SWAP Tier
Millipede	<i>Tetracion tennesseensis</i>	(a cave obligate millipede)	G2G3	S2S3			2
Plant	<i>Abies fraseri</i>	Fraser Fir	G2	S1S2		T	4
Plant	<i>Acalypha deamii</i>	Deam's Copperleaf	G4?	S1		S	4
Plant	<i>Acer leucoderme</i>	Chalk Maple	G5	S3		S	4
Plant	<i>Acmella oppositifolia</i>	Creeping Spotflower	G5	S3		S	4
Plant	<i>Aconitum reclinatum</i>	Trailing Wolfsbane	G3	S1		E	4
Plant	<i>Acrobolbus ciliatus</i>	(a liverwort)	G3?	S1		S	4
Plant	<i>Adlumia fungosa</i>	Climbing Fumitory	G4	S2		T	4
Plant	<i>Agalinis auriculata</i>	Earleaved False-foxglove	G3	S2		E	4
Plant	<i>Agalinis heterophylla</i>	Prairie False-foxglove	G4G5	S1		E	4
Plant	<i>Agalinis oligophylla</i>	Ridge-stem False-foxglove	G4	S1		E	4
Plant	<i>Agalinis plukenetii</i>	Purple Gerardia	G3G5	SH		E-P	4
Plant	<i>Agalinis setacea</i>	Thread-leaved Gerardia	G5?	SH		S	4
Plant	<i>Agastache scrophulariifolia</i>	Purple Giant Hyssop	G4	S1S2		T	4
Plant	<i>Ageratina luciae-brauniae</i>	Lucy Braun's White Snakeroot	G3	S3		T	4
Plant	<i>Agrostis mertensii</i>	Arctic Bentgrass	G5	SH		S	4
Plant	<i>Allium burdickii</i>	Narrow-leaf Ramps	G4G5	S1S2		T-CE	4
Plant	<i>Allium stellatum</i>	Glade Onion	G5	S1		E	4
Plant	<i>Allium tricoccum</i>	Ramps	G5	S1S2		S-CE	4
Plant	<i>Alnus viridis ssp. crispa</i>	Green Alder	G5T5	S1		S	4
Plant	<i>Amelanchier sanguinea</i>	Roundleaf Shadbush	G5	S2		T	4
Plant	<i>Ammoselinum popei</i>	Pope's Sand-parsley	G4	S2		T	4
Plant	<i>Amsonia tabernaemontana var. gattingeri</i>	Limestone Blue Star	G5T3Q	S3		S	4
Plant	<i>Anastrophyllum saxicola</i>	(a liverwort)	G3G4	S1		S	4
Plant	<i>Anemone canadensis</i>	Canada Anemone	G5	SX		E-P	4
Plant	<i>Anemone caroliniana</i>	Carolina Anemone	G5	S1S2		E	4
Plant	<i>Angelica atropurpurea</i>	Great Angelica	G5	S1		T	4
Plant	<i>Apios priceana</i>	Price's Potato-bean	G2	S3	LT	E	4
Plant	<i>Arabis hirsuta</i>	Western Hairy Rockcress	G5	S1		T	4
Plant	<i>Archidium alternifolium</i>	(a moss)	G4G5	S1		T	4
Plant	<i>Arenaria lanuginosa</i>	Wooly Sandwort	G5	S1		E	4
Plant	<i>Aristida ramosissima</i>	Branched Three-awn Grass	G5	SH		E-P	4
Plant	<i>Arnoglossum plantagineum</i>	Fen Indian-plantain	G4G5	S2		T	4
Plant	<i>Asclepias purpurascens</i>	Purple Milkweed	G5?	S1		S	4
Plant	<i>Asplenium scolopendrium var. americanum</i>	Hart's-tongue Fern	G4T3	S1	LT	E	4
Plant	<i>Astilbe crenatiloba</i>	Roan False Goat's-beard	GXQ	SX		E-P	4
Plant	<i>Astragalus bibullatus</i>	Pyne's Ground-plum	G1	S1	LE	E	4
Plant	<i>Astragalus tennesseensis</i>	Tennessee Milk-vetch	G3	S3		S	4

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Plant	<i>Athyrium filix-femina</i> ssp. <i>angustum</i>	Northern Lady Fern	G5T5	S2		S	4
Plant	<i>Aureolaria patula</i>	Spreading False-foxglove	G3	S3		S	4
Plant	<i>Bacopa caroliniana</i>	Carolina Water-hyssop	G4G5	S1		S	4
Plant	<i>Baptisia bracteata</i> var. <i>leucophaea</i>	Cream Wild-indigo	G4G5T4T5	S1S2		S	4
Plant	<i>Bazzania nudicaulis</i>	(a liverwort)	G2G3	S2		T	4
Plant	<i>Berberis canadensis</i>	American Barberry	G3	S2		S	4
Plant	<i>Betula papyrifera</i> var. <i>cordifolia</i>	Heart-leaved Paper Birch	G5T5	S1		E	4
Plant	<i>Boechera patens</i>	Spreading Rockcress	G3	S1		E	4
Plant	<i>Boechera perstellata</i>	Braun's Rockcress	G2	S1	LE	E	4
Plant	<i>Boechera shortii</i>	Short's Rockcress	G5	S1S2		S	4
Plant	<i>Bolboschoenus fluviatilis</i>	River Bulrush	G5	S1		S	4
Plant	<i>Botrychium jenmanii</i>	Alabama Grapefern	G3G4	S1		T	4
Plant	<i>Botrychium matricariifolium</i>	Chamomile Grapefern	G5	S1		S	4
Plant	<i>Botrychium oneidense</i>	Blunt-lobed Grapefern	G4Q	S1		S	4
Plant	<i>Botrychium simplex</i>	Least Grape-fern	G5	S1		S	4
Plant	<i>Brachydontium trichodes</i>	Peak Moss	G2G4	S1		E	4
Plant	<i>Brachyelytrum aristosum</i>	Northern Shorthusk	G4G5	S2		S	4
Plant	<i>Bryoxiphium norvegicum</i>	Sword Moss	G5?	S1		T	4
Plant	<i>Buckleya distichophylla</i>	Piratebush	G2	S2		T	4
Plant	<i>Bulbostylis ciliatifolia</i> var. <i>coarctata</i>	Capillary Hairsedge	G5T3T5	SH		E-P	4
Plant	<i>Calamagrostis cainii</i>	Cain's Reedgrass	G1	S1		E	4
Plant	<i>Calamagrostis porteri</i>	Porter's Reedgrass	G4	S1		E	4
Plant	<i>Calamovilfa arcuata</i>	Cumberland Sand-Grass	G2	S2		T	4
Plant	<i>Calopogon oklahomensis</i>	Oklahoma Grass-pink	G4?	SH		E-P	4
Plant	<i>Caltha palustris</i>	Marsh Marigold	G5	S1		E	4
Plant	<i>Campanula aparinoides</i>	Marsh Bellflower	G5	S2		S	4
Plant	<i>Cardamine clematitis</i>	Mountain Bittercress	G3	S2		T	4
Plant	<i>Cardamine flagellifera</i>	Running Bittercress	G3	S2		T	4
Plant	<i>Cardamine rotundifolia</i>	Round-leaf Watercress	G4	S2S3		S	4
Plant	<i>Carex alopecoidea</i>	Foxtail Sedge	G5	SH		E-P	4
Plant	<i>Carex argyrantha</i>	Hay Sedge	G5	S1		T	4
Plant	<i>Carex barrattii</i>	Barratt's Sedge	G4	S2		E	4
Plant	<i>Carex bromoides</i> ssp. <i>montana</i>	Blue Ridge Brome Sedge	G5T3?	S1		T	4
Plant	<i>Carex bullata</i>	Button Sedge	G5	S3		S	4
Plant	<i>Carex bulbostylis</i>	False Hair Sedge	GNR	SU		S	4
Plant	<i>Carex buxbaumii</i>	Brown Bog Sedge	G5	S1		E	4
Plant	<i>Carex chapmanii</i>	Chapman's Sedge	G3	S1		T	4
Plant	<i>Carex comosa</i>	Bristly Sedge	G5	S2		T	4

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Plant	<i>Carex davisii</i>	Davis' Sedge	G4	S1		S	4
Plant	<i>Carex echinata</i> ssp. <i>echinata</i>	Little Prickly Sedge	G5T5	S1?		S	4
Plant	<i>Carex foenea</i>	Dry-spike Sedge	G5	S1		T	4
Plant	<i>Carex folliculata</i>	northern long sedge	G4G5	S1		S	4
Plant	<i>Carex fumosimontana</i>	Smoky Mountain Sedge	G?	S2		S	4
Plant	<i>Carex gravida</i>	Heavy Sedge	G5	S1		S	4
Plant	<i>Carex hirtifolia</i>	Pubescent Sedge	G5	S1S2		S	4
Plant	<i>Carex hitchcockiana</i>	Hitchcock's Sedge	G5	S1		T	4
Plant	<i>Carex hyalina</i>	Tissue Sedge	G4	S1		S	4
Plant	<i>Carex lacustris</i>	Lake-bank Sedge	G5	S1		T	4
Plant	<i>Carex lonchocarpa</i>	Southern Long Sedge	G5	S2		E	4
Plant	<i>Carex manhartii</i>	Manhart's Sedge	G3G4	S2		E	4
Plant	<i>Carex misera</i>	Wretched Sedge	G3	S2		T	4
Plant	<i>Carex muskingumensis</i>	Muskingum Sedge	G4	S1		E	4
Plant	<i>Carex ouachitana</i>	Ouachita Sedge	G4	S1		S	4
Plant	<i>Carex oxylepis</i> var. <i>pubescens</i>	Hairy Sharp-scaled Sedge	G5?T3	S1		S	4
Plant	<i>Carex pallescens</i>	Pale Sedge	G5	S1		S	4
Plant	<i>Carex pellita</i>	Woolly Sedge	G5	S1		E	4
Plant	<i>Carex reniformis</i>	Reniform Sedge	G4?	S1		S	4
Plant	<i>Carex roanensis</i>	Roan Mountain Sedge	G3	S2		E	4
Plant	<i>Carex rostrata</i>	Beaked Sedge	G5	SRF		T	4
Plant	<i>Carex ruthii</i>	Ruth's Sedge	G3	S2		T	4
Plant	<i>Carex sterilis</i>	Sterile Sedge	G4	SH		E-P	4
Plant	<i>Carex vestita</i>	Velvety Sedge	G5	SH		E-P	4
Plant	<i>Carex x aestivaliformis</i>	(a hybrid sedge)	GNA	S1		S	4
Plant	<i>Castanea dentata</i>	American Chestnut	G4	S2S3		S	4
Plant	<i>Caulophyllum giganteum</i>	Giant Blue Cohosh	G4G5Q	S1		T	4
Plant	<i>Cephaloziella massalongi</i>	(a liverwort)	G3G5	S1		E	4
Plant	<i>Cephaloziella spinicaulis</i>	(a liverwort)	G3G4	S1		S	4
Plant	<i>Cerastium velutinum</i> var. <i>velutinum</i>	Velvety Cerastium	G5T4?	S1		E	4
Plant	<i>Ceratophyllum echinatum</i>	Prickly Hornwort	G4?	S1		S	4
Plant	<i>Chelone obliqua</i>	Red Turtlehead	G4	S1		S	4
Plant	<i>Chrysogonum virginianum</i>	Green-and-gold	G5	S2		T	4
Plant	<i>Cimicifuga rubifolia</i>	Appalachian Bugbane	G3	S3		T	4
Plant	<i>Clematis fremontii</i>	Fremont's Virgin's-bower	G5	S1		E	4
Plant	<i>Clematis glaucophylla</i>	White-leaved Leather-flower	G4?	S1		E	4
Plant	<i>Clematis morefieldii</i>	Morefield's Leather-flower	G2	S2	LE	E	4
Plant	<i>Clematis pitcheri</i>	Pitcher Leather-flower	G4G5	SH		T	4

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Plant	<i>Clethra alnifolia</i>	Coastal Sweet Pepper-bush	G5	S1		E	4
Plant	<i>Clintonia borealis</i>	Clinton's Lily	G5	S2S3		S	4
Plant	<i>Coeloglossum viride</i> var. <i>virescens</i>	Long-bracted Green Orchid	G5T5	S1		E	4
Plant	<i>Coelorachis rugosa</i>	Wrinkled Jointgrass	G5	S1		S	4
Plant	<i>Collinsia verna</i>	Spring Blue-eyed Mary	G5	S1		E	4
Plant	<i>Cololejeunea ornata</i>	Ornate Cololejeunea	G2G4	S1		T	4
Plant	<i>Comptonia peregrina</i>	Sweet-fern	G5	S1		E	4
Plant	<i>Conradina verticillata</i>	Cumberland Rosemary	G3	S3	LT	T	4
Plant	<i>Corallorhiza maculata</i>	Spotted Coralroot	G5	S1		T	4
Plant	<i>Coreopsis delphinifolia</i>	Larkspur-leaved Coreopsis	G3?Q	S1		E	4
Plant	<i>Coreopsis latifolia</i>	Broad-leaved Tickseed	G3	S1S2		E	4
Plant	<i>Cornus obliqua</i>	Silky Dogwood	G5T5	S2		S	4
Plant	<i>Corydalis sempervirens</i>	Pale Corydalis	G4G5	S1S2		E	4
Plant	<i>Cotinus obovatus</i>	American Smoketree	G4	S2		S	4
Plant	<i>Crataegus harbisonii</i>	Harbison's Hawthorn	G1	S1		E	4
Plant	<i>Crotalaria purshii</i>	Pursh's Rattlebox	G5	SH		E-P	4
Plant	<i>Croton alabamensis</i>	Alabama Croton	G3	SH		E-P	4
Plant	<i>Cymophyllus fraserianus</i>	Fraser's Sedge	G4	S3		S	4
Plant	<i>Cyperus dentatus</i>	Toothed Sedge	G4	S1		S	4
Plant	<i>Cyperus plukenetii</i>	Plukenet's Galingale	G5	SH		S	4
Plant	<i>Cypripedium acaule</i>	Pink Lady's-slipper	G5	S4		S-CE	4
Plant	<i>Cypripedium kentuckiense</i>	Southern Lady's-slipper	G3	S2		E	4
Plant	<i>Cypripedium reginae</i>	Showy Lady's-slipper	G4	S1		E	4
Plant	<i>Dalea candida</i>	White Prairie-clover	G5	S2		S	4
Plant	<i>Dalea foliosa</i>	Leafy Prairie-clover	G2G3	S2S3	LE	E	4
Plant	<i>Dalea purpurea</i>	Purple Prairie-clover	G5	S1		E	4
Plant	<i>Danthonia epilis</i>	Bog Oat-grass	G3G4	S1S2		S	4
Plant	<i>Delphinium exaltatum</i>	Tall Larkspur	G3	S2		E	4
Plant	<i>Desmodium ochroleucum</i>	Creamflower Tick-trefoil	G1G2	S1		E	4
Plant	<i>Diamorpha smallii</i>	Small's Stonecrop	G4	S1S2		E	4
Plant	<i>Diarrhena obovata</i>	Beak Grass	G4G5	S1		S	4
Plant	<i>Dichanthelium aciculare</i>	Needleleaf Witchgrass	G5	S1		E	4
Plant	<i>Dichanthelium acuminatum</i> ssp. <i>leucothrix</i>	Roughish Witchgrass	G4?Q	S1		S	4
Plant	<i>Dichanthelium acuminatum</i> ssp. <i>spretum</i>	Eaton's Witchgrass	G5	S1		E	4
Plant	<i>Dichanthelium ensifolium</i> ssp. <i>curtifolium</i>	Short-leaved Panic Grass	G3?	S1		E	4
Plant	<i>Dichanthelium ensifolium</i> ssp. <i>ensifolium</i>	Small-leaved Panicgrass	GNR	S2		S	4
Plant	<i>Didiplis diandra</i>	Water-purslane	G5	S1		T	4
Plant	<i>Diervilla lonicera</i>	Northern Bush-honeysuckle	G5	S2		T	4

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Plant	<i>Diervilla sessilifolia</i> var. <i>rivularis</i>	Mountain Bush-honeysuckle	G3	S2		T	4
Plant	<i>Diplophyllum andrewsii</i>	A Liverwort	G3	S1		S	4
Plant	<i>Draba cuneifolia</i>	Wedge-leaved Whitlow-grass	G5	S1S2		S	4
Plant	<i>Draba ramosissima</i>	Branching Whitlow-grass	G4	S2		S	4
Plant	<i>Drepanolejeunea appalachiana</i>	(a liverwort)	G2?	S1		S	4
Plant	<i>Drosera brevifolia</i>	Dwarf Sundew	G5	S2		T	4
Plant	<i>Drosera capillaris</i>	Pink Sundew	G5	S1		T	4
Plant	<i>Drosera rotundifolia</i>	Roundleaf Sundew	G5	S1		T	4
Plant	<i>Dryopteris carthusiana</i>	Spinulose Shield-fern	G5	S1		T	4
Plant	<i>Dryopteris cristata</i>	Crested Shield-fern	G5	S2		T	4
Plant	<i>Echinacea pallida</i>	Pale-purple Coneflower	G4	S1		E	4
Plant	<i>Echinacea simulata</i>	Wavy-leaf Purple Coneflower	G3	S2		T	4
Plant	<i>Echinacea tennesseensis</i>	Tennessee Coneflower	G2	S2	MC	T	4
Plant	<i>Echinochloa walteri</i>	Walter's Barnyard Grass	G5	S1		S	4
Plant	<i>Echinodorus berteroi</i>	Erect Burhead	G5	S1		S	4
Plant	<i>Eleocharis compressa</i>	Flat-stemmed Spike-rush	G4	S1		S	4
Plant	<i>Eleocharis equisetoides</i>	Horse-tail Spike-rush	G4	S1		E	4
Plant	<i>Eleocharis intermedia</i>	Matted Spike-rush	G5	S1		E	4
Plant	<i>Eleocharis lanceolata</i>	Lance-like Spike-rush	G4G5	S1		S	4
Plant	<i>Eleocharis tortilis</i>	Twisted Spike-rush	G5	S1		S	4
Plant	<i>Eleocharis wolfii</i>	Wolf Spike-rush	G3G4	S1		E	4
Plant	<i>Elodea nuttallii</i>	Nuttall's Waterweed	G5	S2		S	4
Plant	<i>Elymus svensonii</i>	Svenson's Wild-rye	G3	S2		E	4
Plant	<i>Entodon concinnus</i>	Lime Entodon	G4G5	S1		S	4
Plant	<i>Epilobium angustifolium</i>	Fireweed	G5	S1		T	4
Plant	<i>Epilobium ciliatum</i>	Hairy Willow-herb	G5	S1		T	4
Plant	<i>Epilobium leptophyllum</i>	Linear-leaved Willow-herb	G5	S1		T	4
Plant	<i>Eriocaulon decangulare</i>	Ten-angle pipewort	G5	S1		E	4
Plant	<i>Eriogonum longifolium</i> var. <i>harperi</i>	Harper's Umbrella-plant	G4T2	S1		E	4
Plant	<i>Eriophorum virginicum</i>	Tawny Cotton-grass	G5	S1S2		E	4
Plant	<i>Eryngium integrifolium</i>	Blue-flower Coyote-thistle	G5	S1		T	4
Plant	<i>Erysimum capitatum</i>	Western Wallflower	G5	S1S2		E	4
Plant	<i>Erythronium rostratum</i>	Beaked Trout-lily	G5	S2		S	4
Plant	<i>Euonymus obovatus</i>	Running Strawberry-bush	G?	S?			4
Plant	<i>Eupatorium leucolepis</i>	White-bracted Thoroughwort	G5	S1		E	4
Plant	<i>Eupatorium steelei</i>	Steele's Joe-pye Weed	G4	S?			4
Plant	<i>Eurybia saxicastellii</i>	Rockcastle Aster	G1G2	S1S2		E	4
Plant	<i>Eurybia schreberi</i>	Schreber's Aster	G4	S1		S	4

Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	SWAP Tier
Plant	<i>Evolvulus nuttallianus</i>	Evolvulus	G5	S3		S	4
Plant	<i>Festuca paradoxa</i>	Cluster Fescue	G5	S1		S	4
Plant	<i>Fimbristylis perpusilla</i>	Harper's Fimbristylis	G2	S1		E	4
Plant	<i>Fimbristylis puberula</i>	Hairy Fimbristylis	G5	S1S2		T	4
Plant	<i>Fissidens appalachensis</i>	Appalachian Fissidens Moss	G2G3	S1		T	4
Plant	<i>Fissidens clebschii</i>	Clebsch's Pocket Moss	GHQ	SH		S	4
Plant	<i>Fothergilla major</i>	Mountain Witch-alder	G3	S2		T	4
Plant	<i>Frullania appalachiana</i>	A Liverwort	G1?	S1?		E	4
Plant	<i>Frullania obcordata</i>	Swamp Frullania	G4G5	S1		S	4
Plant	<i>Fuirena squarrosa</i>	Hairy Umbrella-sedge	G4G5	S1		S	4
Plant	<i>Funaria americana</i>	(a moss)	G3?	S1?		T	4
Plant	<i>Galium asprellum</i>	Rough Bedstraw	G5	S1		S	4
Plant	<i>Galium palustre</i>	Marsh Bedstraw	G5	S1		S	4
Plant	<i>Galium uniflorum</i>	Fragrant Bedstraw	G4G5	S1		S	4
Plant	<i>Gaylussacia dumosa</i>	Dwarf Huckleberry	G5	S3		T	4
Plant	<i>Gelsemium sempervirens</i>	Yellow Jessamine	G5	S1S2		S	4
Plant	<i>Gentiana austromontana</i>	Appalachian Gentian	G3	S3		S	4
Plant	<i>Gentiana linearis</i>	Narrow-leaved Gentian	G4G5	S1		T	4
Plant	<i>Gentiana puberulenta</i>	Downy Gentian	G4G5	S1		E	4
Plant	<i>Geranium robertianum</i>	Herb-robert	G5	S1		S	4
Plant	<i>Geum aleppicum</i>	Yellow Avens	G5	S1		E	4
Plant	<i>Geum geniculatum</i>	Bent Avens	G1G2	S1		E	4
Plant	<i>Geum laciniatum</i>	Rough Avens	G5	S1		S	4
Plant	<i>Geum radiatum</i>	Spreading Avens	G2	S1	LE	E	4
Plant	<i>Glyceria acutiflora</i>	Sharp-scaled Mannagrass	G5	S2		S	4
Plant	<i>Glyceria laxa</i>	Northern Mannagrass	G5	S1		S	4
Plant	<i>Glyceria nubigena</i>	Smoky Mountains Mannagrass	G2	S1S2		T	4
Plant	<i>Goodyera repens</i>	Dwarf Rattlesnake-plantain	G5	S1		S	4
Plant	<i>Gratiola floridana</i>	Florida Hedge-hyssop	G4	S1		E	4
Plant	<i>Grimmia olneyi</i>	Grimmia Moss	G3G5	SH		S	4
Plant	<i>Gymnoderma lineare</i>	Rock Gnome Lichen	G2	S1	LE	E	4
Plant	<i>Gymnomitrium laceratum</i>	(a liverwort)	G3G5	S1		T	4
Plant	<i>Gymnopogon brevifolius</i>	Broad-leaved Beardgrass	G5	S1S2		S	4
Plant	<i>Hasteola suaveolens</i>	Sweet-scented Indian-plantain	G4	S2		S	4
Plant	<i>Hedyotis purpurea</i> var. <i>montana</i>	Roan Mountain Bluet	G5T2	S1	LE	E	4
Plant	<i>Helenium brevifolium</i>	Shortleaf Sneezeweed	G4	S1		E	4
Plant	<i>Helianthemum bicknellii</i>	Plains Frostweed	G5	SH		E-P	4
Plant	<i>Helianthemum canadense</i>	Canada Frostweed	G5	SH		E-P	4

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Plant	<i>Helianthemum propinquum</i>	Low Frostweed	G4	S1S2		E	4
Plant	<i>Helianthus eggertii</i>	Eggert's Sunflower	G3	S3	MC	S	4
Plant	<i>Helianthus glaucophyllus</i>	White-leaved Sunflower	G3	S1		T	4
Plant	<i>Helianthus occidentalis</i>	Naked-stem Sunflower	G5	S2		S	4
Plant	<i>Helianthus verticillatus</i>	Whorled Sunflower	G1Q	S1	C	E	4
Plant	<i>Heracleum maximum</i>	Cow-parsnip	G5	S2		S	4
Plant	<i>Heteranthera limosa</i>	Blue Mud-plantain	G5	S1S2		T	4
Plant	<i>Heteranthera multiflora</i>	Multiflowered Mud-plantain	G4	S1		S	4
Plant	<i>Heuchera longiflora</i> var. <i>aceroides</i>	Maple-leaf Alumroot	G4T2Q	S2		S	4
Plant	<i>Hexastylis virginica</i>	Virginia Heartleaf	G4	S2		S	4
Plant	<i>Hieracium longipilum</i>	Hairy Hawkweed	G4G5	S1		S	4
Plant	<i>Hieracium scabrum</i>	Rough Hawkweed	G5	S2		T	4
Plant	<i>Homaliadelphus sharpii</i>	Sharp's Homaliadelphus	G3?	S1		E	4
Plant	<i>Hottonia inflata</i>	Featherfoil	G4	S2		S	4
Plant	<i>Huperzia appalachiana</i>	Appalachian Fir Clubmoss	G4G5	S1		T	4
Plant	<i>Hydrastis canadensis</i>	Goldenseal	G4	S3		S-CE	4
Plant	<i>Hydrocotyle americana</i>	American Water-pennywort	G5	S1		E	4
Plant	<i>Hydrolea ovata</i>	Ovate Fiddleleaf	G5	S1		S	4
Plant	<i>Hydrophyllum virginianum</i>	Appalachian Waterleaf	G5	S3		T	4
Plant	<i>Hymenophyllum tayloriae</i>	Taylor's Filmy Fern	G2	S2		S	4
Plant	<i>Hypericum adpressum</i>	Creeping St. John's-wort	G3	S1		E	4
Plant	<i>Hypericum ellipticum</i>	Pale St. John's-wort	G5	S1		E	4
Plant	<i>Hypericum graveolens</i>	Mountain St. John's-wort	G3	S3		E	4
Plant	<i>Hypericum mitchellianum</i>	Blue Ridge St. John's-wort	G3	S2		T	4
Plant	<i>Iris brevicaulis</i>	Lamance Iris	G4	S1		E	4
Plant	<i>Iris fulva</i>	Copper Iris	G5	S2		T	4
Plant	<i>Iris prismatica</i>	Slender Blue Flag	G4G5	S2S3		T	4
Plant	<i>Isoetes lacustris</i>	Lake Quillwort	G?	S?			4
Plant	<i>Isoetes melanopoda</i>	Blackfoot Quillwort	G5	S1S2		E	4
Plant	<i>Isoetes tennesseensis</i>	Hiwassee Quillwort	G1	S1		E	4
Plant	<i>Isotria medeoloides</i>	Small Whorled Pogonia	G2	S1	LT	E	4
Plant	<i>Juglans cinerea</i>	Butternut	G4	S3		T	4
Plant	<i>Juncus brachycephalus</i>	Small-headed Rush	G5	S2		S	4
Plant	<i>Juncus brachyphyllus</i>	Shortleaf Rush	GNR	SU		S	4
Plant	<i>Juncus gymnocarpus</i>	Naked-fruited Rush	G?	S?			4
Plant	<i>Juncus trifidus</i>	Highland Rush	G5	SH		E-P	4
Plant	<i>Jungermannia fossombronioides</i>	(a liverwort)	G4	S1		S	4
Plant	<i>Jungermannia pyriflora</i>	(a liverwort)	G4	S1		S	4

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Plant	<i>Kalmia angustifolia</i> var. <i>carolina</i>	Lambkill	G5T4	SX		E-P	4
Plant	<i>Krigia montana</i>	False Dandelion	G3	S1		T	4
Plant	<i>Lachnanthes carolina</i>	Carolina Redroot	G4	S1		E	4
Plant	<i>Lachnocaulon anceps</i>	Bog-buttons	G5	SH		T	4
Plant	<i>Lathyrus palustris</i>	Marsh Pea	G5	S1		S	4
Plant	<i>Leavenworthia exigua</i> var. <i>exigua</i>	Glade-cress	G4T3	S3S4		S	4
Plant	<i>Leavenworthia exigua</i> var. <i>lutea</i>	Pasture Glade-cress	G4T1	SH		E-P	4
Plant	<i>Lechea pulchella</i>	Leggett's Pinweed	G5	S1		E	4
Plant	<i>Lejeunea blomquistii</i>	Blomquist Leafy Liverwort	G1G2	S1S2		S	4
Plant	<i>Lejeunea sharpii</i>	Sharp's Lejeunea	G2G3	S1S2		E	4
Plant	<i>Leptodontium viticulosoides</i> var. <i>sulphureum</i>	Grandfather Mountain Leptodontium	G2	S1S2		E	4
Plant	<i>Leptohymenium sharpii</i>	Mount Leconte Moss	G1	S1		E	4
Plant	<i>Leptoscyphus cuneifolius</i>	(a liverwort)	G4G5	S1		E	4
Plant	<i>Lespedeza angustifolia</i>	Narrowleaf Bushclover	G5	S2		T	4
Plant	<i>Leucothoe racemosa</i>	Fetter-bush	G5	S2		T	4
Plant	<i>Liatris cylindracea</i>	Slender Blazing-star	G5	S2		T	4
Plant	<i>Liatris pilosa</i>	Shaggy Blazing Star	G5?	S1		S	4
Plant	<i>Liatris virgata</i>	Wand Gayfeather	GU	S?			4
Plant	<i>Lilium canadense</i>	Canada Lily	G5	S3		T	4
Plant	<i>Lilium grayi</i>	Gray's Lily	G3	S1		E	4
Plant	<i>Lilium michiganense</i>	Michigan Lily	G5	S3		T	4
Plant	<i>Lilium philadelphicum</i>	Wood Lily	G5	S1		E	4
Plant	<i>Linnaea borealis</i>	Twinflower	G5	SX		E-P	4
Plant	<i>Liparis loeselii</i>	Fen Orchid	G5	S1		T	4
Plant	<i>Listera australis</i>	Southern Twayblade	G4	S1S2		E	4
Plant	<i>Listera smallii</i>	Kidneyleaf Twayblade	G4	S?			4
Plant	<i>Lobelia amoena</i>	Southern Lobelia	G4?	S1S2		T	4
Plant	<i>Lobelia canbyi</i>	Canby's Lobelia	G4	S2S3		T	4
Plant	<i>Lonicera canadensis</i>	American Fly-honeysuckle	G5	S1		T	4
Plant	<i>Lonicera dioica</i>	Mountain Honeysuckle	G5	S2		S	4
Plant	<i>Lonicera flava</i>	Yellow Honeysuckle	G5?	S1		T	4
Plant	<i>Lonicera prolifera</i>	Grape Honeysuckle	G5	SH		E-P	4
Plant	<i>Lophocolea appalachiana</i>	(a liverwort)	G1G2Q	S1		S	4
Plant	<i>Lophocolea muricata</i>	(a liverwort)	G5	S1		T	4
Plant	<i>Ludwigia sphaerocarpa</i>	Globe-fruited False-loosestrife	G5	S1		T	4
Plant	<i>Lycopodiella alopecuroides</i>	Foxtail Clubmoss	G5	S2		T	4
Plant	<i>Lycopodiella inundata</i>	Bog Clubmoss	G5	S?			4
Plant	<i>Lycopodium annotinum</i>	Stiff Clubmoss	G5	SH		E-P	4

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Plant	<i>Lycopodium dendroideum</i>	Treelike Clubmoss	G5	S1		S	4
Plant	<i>Lysimachia fraseri</i>	Fraser's Loosestrife	G3	S2		E	4
Plant	<i>Lysimachia quadriflora</i>	Four-flowered Loosestrife	G5?	S1		E	4
Plant	<i>Lysimachia terrestris</i>	Swamp Loosestrife	G5	S1		E	4
Plant	<i>Lysimachia x producta</i>	Loosestrife	GNA	S1		S	4
Plant	<i>Magnolia virginiana</i>	Sweetbay Magnolia	G5	S2		T	4
Plant	<i>Maianthemum stellatum</i>	Starflower False Solomon's-seal	G5	S1		E	4
Plant	<i>Mannia triandra</i>	(a liverwort)	G3G4	S1		T	4
Plant	<i>Marshallia grandiflora</i>	Large-flowered Barbara's-Buttons	G2	S2		E	4
Plant	<i>Marshallia obovata</i>	Piedmont Barbara's-Buttons	G4G5	S1		T	4
Plant	<i>Marshallia trinervia</i>	Broad-leaved Barbara's-Buttons	G3	S2S3		T	4
Plant	<i>Marsupella funckii</i>	(a liverwort)	G4G5	S1		E	4
Plant	<i>Meehania cordata</i>	Heartleaf Meehania	G5	S2		T	4
Plant	<i>Megaceros aenigmaticus</i>	Megaceros	G2G3	S2S3		S	4
Plant	<i>Melanthium latifolium</i>	Broadleaf Bunchflower	G5	S1S2		E	4
Plant	<i>Melanthium virginicum</i>	Virginia Bunchflower	G5	S1		E	4
Plant	<i>Melanthium woodii</i>	Ozark Bunchflower	G5	S1		E	4
Plant	<i>Menziesia pilosa</i>	Minniebush	G4G5	S2		S	4
Plant	<i>Metzgeria uncigera</i>	Metzgeria	G3	S1		S	4
Plant	<i>Microlejeunea globosa</i>	Cardot's Lejeunea	G3?	S1		S	4
Plant	<i>Mielichhoferia elongata</i>	(a moss)	G4?	S1		S	4
Plant	<i>Milium effusum</i> var. <i>cisatlanticum</i>	Tall Millet-grass	G5	S1		S	4
Plant	<i>Minuartia cumberlandensis</i>	Cumberland Sandwort	G2G3	S2	LE	E	4
Plant	<i>Minuartia godfreyi</i>	Godfrey's Stitchwort	G1	S1		E	4
Plant	<i>Minuartia groenlandica</i>	Mountain Sandwort	G5	S1		E	4
Plant	<i>Minuartia muscorum</i>	Dixie Stitchwort	GNR	SU		S	4
Plant	<i>Mirabilis albida</i>	Pale Umbrella-wort	G5	S2		T	4
Plant	<i>Mnium carolinianum</i>	Carolina Mnium	G3	S1		S	4
Plant	<i>Monotropsis odorata</i>	Sweet Pinesap	G3	S2		T	4
Plant	<i>Muhlenbergia cuspidata</i>	Plains Muhly	G4	S1		E	4
Plant	<i>Muhlenbergia glabrifloris</i>	Hair Grass	G4?	S1		S	4
Plant	<i>Muhlenbergia torreyana</i>	Torrey's Dropseed	G3	S1		E	4
Plant	<i>Myriophyllum pinnatum</i>	Cutleaf Water-milfoil	G5	S1		E	4
Plant	<i>Myurella julacea</i>	(a moss)	G5	SH		S-P	4
Plant	<i>Nemopanthus collinus</i>	Long-stalked Holly	G3	S1		S	4
Plant	<i>Neobeckia aquatica</i>	Lake Cress	G4?	S2		S	4
Plant	<i>Nestronia umbellula</i>	Nestronia	G4	S1		E	4
Plant	<i>Neviusia alabamensis</i>	Alabama Snow-wreath	G2	S2		T	4

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Plant	<i>Oenothera macrocarpa</i>	Missouri Primrose	G5	S2		T	4
Plant	<i>Oenothera parviflora</i>	Northern Evening-primrose	G4?	S1		S	4
Plant	<i>Oncophorus raii</i>	A Moss	G3	S2		T	4
Plant	<i>Onosmodium hispidissimum</i>	Shaggy False Gromwell	G4	S1		E	4
Plant	<i>Onosmodium molle</i> ssp. <i>occidentale</i>	Western False Gromwell	G4G5T4?	S1S2		T	4
Plant	<i>Onosmodium molle</i> ssp. <i>subsetosum</i>	Smooth False Gromwell	G4G5T4?	S1		E	4
Plant	<i>Ophioglossum crotalophoroides</i>	Bulbous Adder's-tongue	G5	SH		S	4
Plant	<i>Orobanche ludoviciana</i>	Louisiana Broomrape	G5	SH		S	4
Plant	<i>Orthodontium pellucens</i>	Translucent Orthodontium	G5	SH		S	4
Plant	<i>Packera plattensis</i>	Prairie Ragwort	G5	S1		S	4
Plant	<i>Packera schweinitziana</i>	Schweinitz's ragwort	G5?	S1		T	4
Plant	<i>Palamocladium leskeoides</i>	Palamocladium Moss	G3G5	S1		T	4
Plant	<i>Panax quinquefolius</i>	American Ginseng	G3G4	S3S4		S-CE	4
Plant	<i>Panicum hemitomon</i>	Maidencane	G5?	S2		S	4
Plant	<i>Parnassia grandifolia</i>	Large-leaved Grass-of-parnassus	G3	S3		S	4
Plant	<i>Paronychia argyrocoma</i>	Silverling	G4	S1S2		T	4
Plant	<i>Paxistima canbyi</i>	Canby's Mountain-lover	G2	S1		E	4
Plant	<i>Paysonia densipila</i>	Duck River Bladderpod	G3	S3		T	4
Plant	<i>Paysonia perforata</i>	Spring Creek Bladderpod	G1	S1	LE	E	4
Plant	<i>Paysonia stonensis</i>	Stones River Bladderpod	G1	S1		E	4
Plant	<i>Pedicularis lanceolata</i>	Swamp Lousewort	G5	S1S2		S	4
Plant	<i>Pedinophyllum interruptum</i>	(a liverwort)	G3G4	S1		S	4
Plant	<i>Pellia appalachiana</i>	(a liverwort)	G4	S2		S	4
Plant	<i>Penstemon tubiflorus</i>	Small-flowered Beardtongue	G5	S1		S	4
Plant	<i>Perideridia americana</i>	Thicket Parsley	G4	S2		E	4
Plant	<i>Phacelia ranunculacea</i>	Blue Scorpion-weed	G4	S2S3		S	4
Plant	<i>Phegopteris connectilis</i>	Northern Beechfern	G5	S1		S	4
Plant	<i>Phemeranthus calcaricus</i>	Limestone Fameflower	G3	S3		S	4
Plant	<i>Phemeranthus mengesii</i>	Menge's Fameflower	G3	S2		T	4
Plant	<i>Phemeranthus teretifolius</i>	Roundleaf Fameflower	G4	S2		T	4
Plant	<i>Phlox bifida</i> ssp. <i>stellaria</i>	Glade Cleft Phlox	G5?T3	S3		T	4
Plant	<i>Phlox pilosa</i> ssp. <i>ozarkana</i>	Ozark Downy Phlox	G5T4?	S1S2		S	4
Plant	<i>Phlox subulata</i>	Moss Phlox	G5	S1		T	4
Plant	<i>Physaria globosa</i>	Short's Bladderpod	G2	S2	C	E	4
Plant	<i>Pieris floribunda</i>	Mountain Fetter-bush	G4	S2		T	4
Plant	<i>Pilularia americana</i>	American Pillwort	G5	S1S2		S	4
Plant	<i>Pityopsis ruthii</i>	Ruth's Golden-aster	G1	S1	LE	E	4
Plant	<i>Plagiochila caduciloba</i>	Gorge Leafy Liverwort	G2	S2		S	4

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Plant	<i>Plagiochila eurphyllon</i> ssp. <i>echinata</i>	A Liverwort	GNRT2	S2		S	4
Plant	<i>Plagiochila exigua</i>	(a liverwort)	G4?	S1S2		S	4
Plant	<i>Plagiochila punctata</i>	Spotty featherwort	G5	S1		S	4
Plant	<i>Plagiochila retrorsa</i>	(a liverwort)	GNR	S1		S	4
Plant	<i>Plagiochila sullivanii</i>	Sullivan's Leafy Liverwort	G2	S2		S	4
Plant	<i>Plantago cordata</i>	Heart-leaved Plantain	G4	S1		E	4
Plant	<i>Platanthera cristata</i>	Yellow Crested Orchid	G5	S2S3		S	4
Plant	<i>Platanthera flava</i> var. <i>herbiola</i>	Tuberclad Rein-orchid	G4T4Q	S2		T	4
Plant	<i>Platanthera grandiflora</i>	Large Purple Fringed Orchid	G5	S2		E	4
Plant	<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S1		E	4
Plant	<i>Platanthera integrilabia</i>	White Fringeless Orchid	G2G3	S2S3	C	E	4
Plant	<i>Platanthera nivea</i>	Snowy Orchid	G5	S1		E	4
Plant	<i>Platanthera orbiculata</i>	Large Round-leaved Orchid	G5	S3		T	4
Plant	<i>Platanthera psychodes</i>	Small Purple Fringed Orchid	G5	S2		S	4
Plant	<i>Poa palustris</i>	Fowl Bluegrass	G5	S1		E	4
Plant	<i>Poa saltuensis</i>	Drooping Bluegrass	G5	S1		T	4
Plant	<i>Pogonia ophioglossoides</i>	Rose Pogonia	G5	S2		E	4
Plant	<i>Polygala boykinii</i>	Boykin's Milkwort	G4	S2		T	4
Plant	<i>Polygala mariana</i>	Maryland Milkwort	G5	S1		S	4
Plant	<i>Polygala nana</i>	Dwarf Milkwort	G5	S1		E	4
Plant	<i>Polygala nuttallii</i>	Nuttall's Milkwort	G5	S1		E	4
Plant	<i>Polygonella americana</i>	Southern Jointweed	G5	S1S2		E	4
Plant	<i>Polygonum arifolium</i>	Halberd-leaf Tearthumb	G5	S1		T	4
Plant	<i>Polygonum cilinode</i>	Fringed Black Bindweed	G5	S1S2		T	4
Plant	<i>Polytaenia nuttallii</i>	Prairie Parsley	G5	S1		T	4
Plant	<i>Ponthieva racemosa</i>	Shadow-witch	G4G5	S1		E	4
Plant	<i>Populus grandidentata</i>	Large-tooth Aspen	G?	S?			4
Plant	<i>Porella gracillima</i>	Hot Porella	G1	S1		E	4
Plant	<i>Porella wataugensis</i>	Watauga Porella	G1G2Q	S1S2		T	4
Plant	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	G5	S1		T	4
Plant	<i>Potamogeton epihydrus</i>	Nuttall's Pondweed	G5	S1S2		S	4
Plant	<i>Potamogeton tennesseensis</i>	Tennessee Pondweed	G2	S2		T	4
Plant	<i>Potentilla tridentata</i>	Three-toothed Cinquefoil	G5	S1S2		S	4
Plant	<i>Preissia quadrata</i>	Narrow Mushroom-headed Liverwort	G5	S1		T	4
Plant	<i>Prenanthes alba</i>	White Rattlesnakeroot	G5	S1		S	4
Plant	<i>Prenanthes aspera</i>	Rough Rattlesnake-root	G4?	S1		E	4
Plant	<i>Prenanthes barbata</i>	Bearded Rattlesnake-root	G3	S2		S	4
Plant	<i>Prenanthes crepidinea</i>	Nodding Rattlesnake-root	G4	S2		S	4

Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	SWAP Tier
Plant	<i>Prenanthes roanensis</i>	Mountain Rattlesnake-root	G3	S3		PD	4
Plant	<i>Prunus pumila</i>	Sand Cherry	G5	S1		E	4
Plant	<i>Prunus virginiana</i>	Choke Cherry	G5	S1		S	4
Plant	<i>Pseudognaphalium helleri</i>	Heller's Catfoot	G4G5	S2		S	4
Plant	<i>Pycnanthemum beadleii</i>	Beadle's Mountain Mint	G2G4	S1S2		E	4
Plant	<i>Pycnanthemum torrei</i>	Torrey's Mountain-mint	G2	S1		S	4
Plant	<i>Pycnanthemum verticillatum</i>	Whorled Mountain-mint	G5	SH		E-P	4
Plant	<i>Pyrola americana</i>	American Wintergreen	G5	S2		E	4
Plant	<i>Quercus margarettiae</i>	Sand Post Oak	G5	S1		S	4
Plant	<i>Radula sullivantii</i>	A Liverwort	G3	SNA		S	4
Plant	<i>Radula voluta</i>	(a liverwort)	G3	S2		S	4
Plant	<i>Ranunculus aquatilis</i> var. <i>diffusus</i>	White Water-buttercup	G5T5	S1		E	4
Plant	<i>Ranunculus flabellaris</i>	Yellow Water-crowfoot	G5	S2		T	4
Plant	<i>Ranunculus harveyi</i>	Harvey's buttercup	GNR	S1		S	4
Plant	<i>Rhachithecium perpusillum</i>	Budding Tortula	G4G5	SH		S	4
Plant	<i>Rhamnus alnifolia</i>	Alderleaf Buckthorn	G5	S1		E	4
Plant	<i>Rhynchosia latifolia</i>	Prairie Rhynchosia	G5	SH		E-P	4
Plant	<i>Rhynchospora alba</i>	White Beakrush	G5	SH		E-P	4
Plant	<i>Rhynchospora caduca</i>	Falling Beaked-rush	G5	S1		S	4
Plant	<i>Rhynchospora capillacea</i>	Horned Beakrush	G4	S1		E	4
Plant	<i>Rhynchospora chalarocephala</i>	Loose-headed Beakrush	G5	S1		T	4
Plant	<i>Rhynchospora debilis</i>	Savannah Beaksedge	G4?	S1		E	4
Plant	<i>Rhynchospora latifolia</i>	Giant White-top Sedge	G5	SH		E-P	4
Plant	<i>Rhynchospora perplexa</i>	Obscure Beak-rush	G5	S2		T	4
Plant	<i>Rhynchospora rariflora</i>	Few-flowered Beak-rush	G5	S1		E	4
Plant	<i>Rhynchospora wrightiana</i>	Wright's Beak-rush	G5	SH		E-P	4
Plant	<i>Ribes curvatum</i>	Granite Gooseberry	G4	S1		T	4
Plant	<i>Ribes missouriense</i>	Missouri Gooseberry	G5	S2		S	4
Plant	<i>Ribes odoratum</i>	Buffalo Currant	G5T4T5	SH		T	4
Plant	<i>Rosa virginiana</i>	Virginia Rose	G5	SH		S	4
Plant	<i>Rudbeckia subtomentosa</i>	Sweet Coneflower	G5	S2		T	4
Plant	<i>Rudbeckia triloba</i> var. <i>pinnatifida</i>	Pinnate-lobed Black-eyed-susan	G5T3	SX		E-P	4
Plant	<i>Ruellia purshiana</i>	Pursh's Wild-petunia	G3	S1S2		S	4
Plant	<i>Rugelia nudicaulis</i>	Rugel's Ragwort	G3	S2		E	4
Plant	<i>Sabatia capitata</i>	Cumberland Rose Gentian	G2	S2		E	4
Plant	<i>Sacciolepis striata</i>	Gibbous Panic-grass	G5	S1		S	4
Plant	<i>Sagittaria brevirostra</i>	Short-beaked Arrowhead	G5	S1		T	4
Plant	<i>Sagittaria graminea</i>	Grassleaf Arrowhead	G5	S1		T	4

Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	SWAP Tier
Plant	<i>Sagittaria platyphylla</i>	Ovate-leaved Arrowhead	G5	S2S3		S	4
Plant	<i>Sagittaria rigida</i>	Sessile-fruited Arrowhead	G5	S1		E	4
Plant	<i>Salvia azurea</i> var. <i>grandiflora</i>	Blue Sage	G4G5T4?	S3		S	4
Plant	<i>Sanguisorba canadensis</i>	Canada Burnet	G5	S1		E	4
Plant	<i>Sarracenia oreophila</i>	Green Pitcher Plant	G2	SX	LE	E-P	4
Plant	<i>Saxifraga caroliniana</i>	Carolina Saxifrage	G3	S1S2		E	4
Plant	<i>Saxifraga pensylvanica</i>	Swamp Saxifrage	G5	S1		E	4
Plant	<i>Schisandra glabra</i>	Red Starvine	G3	S2		T	4
Plant	<i>Schoenolirion croceum</i>	Yellow Sunnysbell	G4	S3		T	4
Plant	<i>Schoenoplectus subterminalis</i>	Water Bulrush	G4G5	S1		S	4
Plant	<i>Schwalbea americana</i>	Chaffseed	G2G3	SX	LE	E-P	4
Plant	<i>Scleria verticillata</i>	Low Nutrush	G5	S2		S	4
Plant	<i>Scopelophila cataractae</i>	Agoyan Cataract Moss	G3	S1		S	4
Plant	<i>Scutellaria arguta</i>	Hairy Skullcap	G1?Q	S1		E	4
Plant	<i>Scutellaria montana</i>	Large-flowered Skullcap	G3	S2	LT	T	4
Plant	<i>Scutellaria saxatilis</i>	Rock Skullcap	G3	S3		S	4
Plant	<i>Sedum nevirii</i>	Nevius' Stonecrop	G3	S1		E	4
Plant	<i>Seymeria cassioides</i>	Senna Seymeria	G5	SH		E-P	4
Plant	<i>Sida hermaphrodita</i>	Virginia Mallow	G3	SH		E-P	4
Plant	<i>Silene caroliniana</i> ssp. <i>pensylvanica</i>	Carolina Pink	G5T4T5	S1S2		T	4
Plant	<i>Silene ovata</i>	Ovate Catchfly	G3	S2		E	4
Plant	<i>Silene regia</i>	Royal Catchfly	G3	SH		E-P	4
Plant	<i>Silphium brachiatum</i>	Cumberland Rosinweed	G2G3	S3		E	4
Plant	<i>Silphium laciniatum</i>	Compass Plant	G5	S2		T	4
Plant	<i>Silphium pinnatifidum</i>	Southern Prairie-dock	G3Q	S2		T	4
Plant	<i>Silphium wasiotense</i>	Kentucky Rosinweed	G3	S2		E	4
Plant	<i>Smilax laurifolia</i>	Laurel-leaf Greenbrier	G5	S1		S	4
Plant	<i>Solidago arenicola</i>	Southern racemose goldenrod	G2G3	S1S2		S	4
Plant	<i>Solidago auriculata</i>	Eared Goldenrod	G4	S1		T	4
Plant	<i>Solidago faucibus</i>	Gorge Goldenrod	G2G4	S1		S	4
Plant	<i>Solidago gattingeri</i>	Gattinger's Goldenrod	G3?Q	S1		E	4
Plant	<i>Solidago lancifolia</i>	Broadleaf Goldenrod	G3G4Q	S1		E	4
Plant	<i>Solidago ptarmicoides</i>	Prairie Goldenrod	G5	S1S2		E	4
Plant	<i>Solidago rupestris</i>	Rock Goldenrod	G4?	S1		E	4
Plant	<i>Solidago spithamea</i>	Blue Ridge Goldenrod	G1	S1	LT	E	4
Plant	<i>Solidago stricta</i> var. <i>gracillima</i>	Virginia Goldenrod	G4?	S1		S	4
Plant	<i>Solidago tarda</i>	Late Goldenrod	G4?Q	SH		S	4
Plant	<i>Sparganium androcladum</i>	Branching Bur-reed	G4G5	S1		E	4

Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	SWAP Tier
Plant	<i>Sphenolobopsis pearsoni</i>	Sphenolobopsis	G2?	S1		E	4
Plant	<i>Spiraea alba</i>	Narrow-leaved Meadow-sweet	G5	S1		E	4
Plant	<i>Spiraea virginiana</i>	Virginia Spiraea	G2	S2	LT	E	4
Plant	<i>Spiranthes lucida</i>	Shining Ladies'-tresses	G5	S1S2		T	4
Plant	<i>Spiranthes magnicamporum</i>	Great Plains Ladies'-tresses	G4	S1		E	4
Plant	<i>Spiranthes ochroleuca</i>	Yellow Nodding Ladies'-tresses	G4	S1		E	4
Plant	<i>Spiranthes odorata</i>	Sweetscent Ladies'-tresses	G5	S1		E	4
Plant	<i>Sporobolus heterolepis</i>	Northern Dropseed	G5	S1		T	4
Plant	<i>Sporobolus junceus</i>	Pinelands Dropseed	G5	S1		E	4
Plant	<i>Stachys clingmanii</i>	Clingman's Hedge-nettle	G2Q	S1S2		T	4
Plant	<i>Stellaria alsine</i>	Trailing Stitchwort	G5	S1		E	4
Plant	<i>Stellaria fontinalis</i>	Water Stitchwort	G3	S3		S	4
Plant	<i>Stellaria longifolia</i>	Longleaf Stitchwort	G5	S1		E	4
Plant	<i>Streptopus amplexifolius</i>	White Mandarin	G5	S1		T	4
Plant	<i>Streptopus roseus</i>	Rosy Twisted-stalk	G5	S2		S	4
Plant	<i>Stylisma humistrata</i>	Southern Morning-glory	G4G5	S1		T	4
Plant	<i>Sullivantia sullivantii</i>	Sullivantia	G4	S1		E	4
Plant	<i>Symphotrichum ericoides</i> var. <i>ericoides</i>	White Heath Aster	G5T5	SH		T	4
Plant	<i>Symphotrichum oolentangiense</i>	Sky-blue Aster	G5	S1		S	4
Plant	<i>Symphotrichum praealtum</i>	Willow Aster	G5	S1		E	4
Plant	<i>Symphotrichum pratense</i>	Barrens Silky Aster	G4?	S1		E	4
Plant	<i>Symplocarpus foetidus</i>	Skunk-cabbage	G5	S1		E	4
Plant	<i>Symplocos tinctoria</i>	Horse-sugar	G5	S2		S	4
Plant	<i>Taxus canadensis</i>	American Yew	G5	S1		E	4
Plant	<i>Tetragonotheca helianthoides</i>	Pineland Squarehead	G5	SH		E-P	4
Plant	<i>Tetradontium brownianum</i>	Little Georgia	G3G4	S1		S	4
Plant	<i>Thalictrum coriaceum</i>	Leatherleaf Meadowrue	G4	S1		S	4
Plant	<i>Thaspium pinnatifidum</i>	Cutleaf Meadow-parsnip	G2G3	S1		E	4
Plant	<i>Thelypteris simulata</i>	Bog Fern	G4G5	SH		E-P	4
Plant	<i>Thermopsis fraxinifolia</i>	Ash-leaved Bush-pea	G3?	S3		T	4
Plant	<i>Thermopsis mollis</i>	Allegheny Mountain golden banner	G3G4	S2S3		S	4
Plant	<i>Thuja occidentalis</i>	Northern White Cedar	G5	S3		S	4
Plant	<i>Torreyochloa pallida</i>	Pale Manna Grass	G5	S1		S	4
Plant	<i>Tortula ammonsiana</i>	Ammons's Tortula	G1	S1		E	4
Plant	<i>Tortula fragilis</i>	Fragile Tortula	G5	S1		E	4
Plant	<i>Triadenum fraseri</i>	Marsh St. John's-wort	G5	S1?		S	4
Plant	<i>Triantha glutinosa</i>	Sticky Bog-asphodel	G4G5	S1		E	4
Plant	<i>Triantha racemosa</i>	Coastal False-asphodel	G5	S1		E	4

Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	SWAP Tier
Plant	<i>Trichomanes boschianum</i>	Bristle-fern	G4	S1S2		T	4
Plant	<i>Trichomanes petersii</i>	Dwarf Filmy-fern	G4G5	S2		T	4
Plant	<i>Trichophorum cespitosum</i>	Tufted Club-rush	G5	S1		E	4
Plant	<i>Tridens flavus</i> var. <i>chapmanii</i>	Chapman's Redtop	G5T3	SH		S	4
Plant	<i>Trientalis borealis</i>	Northern Starflower	G5	S1		T	4
Plant	<i>Trifolium calcaricum</i>	Running Glade Clover	G1	S1		E	4
Plant	<i>Trifolium reflexum</i>	Buffalo Clover	G3G4	S1		E	4
Plant	<i>Trillium decumbens</i>	Trailing Trillium	G4	S1		E	4
Plant	<i>Trillium lancifolium</i>	Narrow-leaved Trillium	G3	S1		E	4
Plant	<i>Trillium pusillum</i>	Least Trillium	G3	S2		E	4
Plant	<i>Trillium rugelii</i>	Southern Nodding Trillium	G3	S2		E	4
Plant	<i>Tsuga caroliniana</i>	Carolina Hemlock	G3	S3		T	4
Plant	<i>Turritis glabra</i>	Tower-mustard	G5	S1		S	4
Plant	<i>Ulmus crassifolia</i>	Cedar Elm	G5	S2		S	4
Plant	<i>Utricularia cornuta</i>	Horned Bladderwort	G5	S1		E	4
Plant	<i>Utricularia inflata</i>	Inflated Bladderwort	G5	S1		S	4
Plant	<i>Utricularia resupinata</i>	Resupinate Bladderwort	G4	S1		S	4
Plant	<i>Utricularia subulata</i>	Zigzag Bladderwort	G5	S1		T	4
Plant	<i>Vaccinium elliotii</i>	Mayberry	G5	S1		E	4
Plant	<i>Vaccinium macrocarpon</i>	Cranberry	G4	S2		T	4
Plant	<i>Veronica americana</i>	American Speedwell	G5	S1		S	4
Plant	<i>Veronica catenata</i>	Sessile Water-speedwell	G5	S1		E	4
Plant	<i>Veronica scutellata</i>	Marsh-speedwell	G5	S1		E	4
Plant	<i>Viburnum bracteatum</i>	Limerock Arrowwood	G1G2	S2		E	4
Plant	<i>Viburnum molle</i>	Softleaf Arrow-wood	G5	S2		E	4
Plant	<i>Viola tripartita</i> var. <i>tripartita</i>	Three-parted Violet	G5T3	S2S3		S	4
Plant	<i>Vitis rupestris</i>	Sand Grape	G3	S1		E	4
Plant	<i>Woodsia scopulina</i> ssp. <i>appalachiana</i>	Alleghany Cliff-fern	G4T4	S1S2		S	4
Plant	<i>Woodwardia virginica</i>	Virginia Chainfern	G5	S2		S	4
Plant	<i>Xerophyllum asphodeloides</i>	Eastern Turkeybeard	G4	S3		T	4
Plant	<i>Xyris ambigua</i>	Coastal Plain Yellow-eyed Grass	G5	S1		E	4
Plant	<i>Xyris fimbriata</i>	Fringed Yellow-eyed Grass	G5	S1		E	4
Plant	<i>Xyris laxifolia</i> var. <i>iridifolia</i>	Wide-leaved Yellow-eyed Grass	G4G5T4T5	S2		T	4
Plant	<i>Xyris tennesseensis</i>	Tennessee Yellow-eyed Grass	G2	S1	LE	E	4
Plant	<i>Zanthoxylum americanum</i>	Northern Prickly-ash	G5	S2		S	4
Plant	<i>Zigadenus glaucus</i>	White Camas	G4G5	S1		E	4
Plant	<i>Zigadenus leimanthoides</i>	Death-camas	G4Q	S2		T	4
Reptile	<i>Anolis carolinensis</i>	Green Anole	G5	S3			1

Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	SWAP Tier
Reptile	<i>Apalone mutica</i>	Smooth Softshell Turtle	G5	S4			1
Reptile	<i>Clonophis kirtlandii</i>	Kirtlands Snake	G2	S1			1
Reptile	<i>Coluber flagellum</i>	Coachwhip	G5	S2S3?			1
Reptile	<i>Crotalus horridus</i>	Timber Rattlesnake	G4	S4			1
Reptile	<i>Glyptemys muhlenbergii</i>	Bog Turtle	G3	S1	SAT	T	1
Reptile	<i>Heterodon platirhinus</i>	Eastern Hognosed Snake	G5	S4			1
Reptile	<i>Macrochelys temminckii</i>	Alligator Snapping Turtle	G3G4	S2S3		D	1
Reptile	<i>Nerodia cyclopion</i>	Mississippi Green Watersnake	G5	S2		D	1
Reptile	<i>Nerodia erythrogaster flavigaster</i>	Yellowbelly Water Snake	G5T5	HYB			1
Reptile	<i>Nerodia erythrogaster neglecta</i>	Copperbelly Watersnake	G5T3	S2S3	No Status		3
Reptile	<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard	G5T5	S3		D	1
Reptile	<i>Pituophis melanoleucus melanoleucus</i>	Northern Pinesnake	G4T4	S3		T	1
Reptile	<i>Plestiodon anthracinus</i>	Coal Skink	G5	S1		D	1
Reptile	<i>Sistrurus miliarius streckeri</i>	Western Pygmy Rattlesnake	G5T5	S2S3		T	1
Reptile	<i>Terrapene carolina</i>	Eastern Box Turtle	G5	S4			1
Reptile	<i>Thamnophis proximus</i>	Western Ribbonsnake	G5	S4S5			1
Reptile	<i>Virginia striatula</i>	Rough Earth Snake	G5	S2S3?			1
Roundworm	<i>Cambarincola alienus</i>	(a cave obligate roundworm)	G1G2	S1			2
Roundworm	<i>Cambarincola leptadenus</i>	(a cave obligate roundworm)	G1G2	S1			2
Roundworm	<i>Cambarincola marthae</i>	(a cave obligate roundworm)	G1G2	S1			2
Roundworm	<i>Eremidrilus allegheniensis</i>	(a cave obligate roundworm)	G1G2	S1S2			2
Tardigrade	<i>Calohypsibius schusteri</i>	Schuster's Tardigrade	GNR	S1			2
Tardigrade	<i>Hypsibius roanensis</i>	Roan Tardigrade	GNR	S1			2

Table 2: 2015 Additions to the TN State Wildlife Action Plan Species of Greatest Conservation Need List.

Information in Table 2 is sorted first according to SWAP Tier designation, defined below, then by taxa group. All plants are new Tier 4 species, and can be reviewed in Table 1. A total of 98 new Tier 1 species were selected for addition to the GCN list in 2015.

Tier 1: Species defined as wildlife under Tennessee Code Annotated 70-8-101, (i.e., amphibians, birds, fish, mammals, reptiles, crustaceans & mollusks), excluding federally listed and game species

Tier 2: All other fauna not defined as wildlife under Tennessee law (i.e., insects and other invertebrates)

Tier 3: Federally listed or game species which have alternative conservation funding

Tier 4: Plant species of Greatest Conservation Need

SWAP Tier	Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status
1	Amphibian	Ambystoma texanum	Smallmouth Salamander	G5	S5		
1	Amphibian	Desmognathus abditus	Cumberland Dusky Salamander	G2G3	S2S3		
1	Amphibian	Desmognathus imitator	Imitator Salamander	G3G4	S3		
1	Amphibian	Desmognathus organi	Northern Pygmy Salamander	G3	SNR		
1	Amphibian	Eurycea aquatica	Brown-backed Salamander	G3	SNR		
1	Amphibian	Gyrinophilus palleucus palleucus	Pale Salamander	G2G3T2	S?		
1	Amphibian	Necturus maculosus	Mudpuppy	G5	S5		
1	Amphibian	Plethodon montanus	Northern Gray-cheeked Salamander	G4	S3		
1	Amphibian	Plethodon shermani	Red-legged Salamander	G2	S2		
1	Amphibian	Siren intermedia	Lesser Siren	G5	S5		
1	Bat	Myotis lucifugus	Little Brown Bat	G5	S5		
1	Bat	Perimyotis subflavus	Tri-colored Bat	G5	S5		
1	Bird	Ammodramus leconteii	LeConte's Sparrow	G4	S1N		
1	Bird	Anas rubripes	American Black Duck	G5	S3S4N		
1	Bird	Bonasa umbellus	Ruffed Grouse	G5	S4		
1	Bird	Calidris pusilla	Semipalmated Sandpiper	G5	S4N		
1	Bird	Cardellina canadensis	Canada Warbler	G5	S3B, S4N		
1	Bird	Chaetura pelagica	Chimney Swift	G5	S5		
1	Bird	Chordeiles minor	Common Nighthawk	G5	S4		
1	Bird	Colinus virginianus	Northern Bobwhite	G5	S2S3	(PS)	
1	Bird	Setophaga fusca	Blackburnian Warbler	G5	S3B, S4N		
1	Bird	Empidonax traillii	Willow Flycatcher	G5	S2S3	(PS)	
1	Bird	Euphagus carolinus	Rusty Blackbird	G5	S4N		
1	Bird	Gallinula galeata	Common Gallinule	G5	S1B	No Status	D
1	Bird	Icteria virens	Yellow-breasted Chat	G5	S4		

SWAP Tier	Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status
1	Bird	<i>Nycticorax nycticorax</i>	Black-crowned Night-heron	G5	S2S3B		
1	Bird	<i>Porphyryla martinica</i>	Purple Gallinule	G5	S1B		
1	Bird	<i>Rallus limicola</i>	Virginia Rail	G5	S1B, S3N		
1	Bird	<i>Sturnella magna</i>	Eastern Meadowlark	G5	S5		
1	Bivalve	<i>Actinonaias ligamentina</i>	Mucket	G5	S4		
1	Bivalve	<i>Anodontoides denigratus</i>	Cumberland Papershell	G1	SSYN	MC	
1	Bivalve	<i>Lampsilis siliquoidea</i>	Fatmucket	G5	S2		
1	Bivalve	<i>Lasmigona</i> sp. 1 cf. <i>holstonia</i>	Barrens Bankclimber	GNR	S1		
1	Bivalve	<i>Pleurobema chattanoogaense</i>	Painted Clubshell	G1Q	S1?		
1	Bivalve	<i>Simpsonaias ambigua</i>	Salamander Mussel	G3	S1		
1	Bivalve	<i>Venustaconcha sima</i>	(a mussel)	G?	S?		
1	Bivalve	<i>Villosa iris</i>	Rainbow	G5	S5		
1	Bivalve	<i>Villosa vanuxemensis</i>	Mountain Creekshell	G4	S4		
1	Crustacean	<i>Acanthocyclops parasensitivus</i>	(a copepod)	G2	S?		
1	Crustacean	<i>Bactrurus</i> undescribed sp.	groundwater amphipod	G1	S?		
1	Crustacean	<i>Bryocamptus</i> (<i>Limocamptus</i>) sp.	copepods	G1	S?		
1	Crustacean	<i>Caecidotea bicrenata</i>	(a cave obligate isopod)	G5	SR		
1	Crustacean	<i>Caecidotea bicrenata bicrenata</i>	(a cave obligate isopod)	G3G4T3T4	SR		
1	Crustacean	<i>Caecidotea bicrenata whitei</i>	(a cave obligate isopod)	G3G4T3T4	S1?		
1	Crustacean	<i>Caecidotea richardsonae</i>	Tennessee Valley Cave Isopod	G3G5	SR		
1	Crustacean	<i>Caecidotea</i> sp.	cave isopods	G?	S?		
1	Crustacean	<i>Cambarus clivosus</i>	Short Mountain Crayfish	G2	S2		
1	Crustacean	<i>Cambarus</i> sp?	Obed Crayfish	G1Q	S1?		
1	Crustacean	<i>Cambarus stockeri</i>	Cocoa Crayfish	GNR	S1S2		
1	Crustacean	<i>Cambarus tenebrosus</i>	Cavespring Crayfish	G4	S?		
1	Crustacean	<i>Crangonyx antennatus</i>	Appalachian cave amphipod	G4	S?		
1	Crustacean	<i>Crangonyx</i> sp.	amphipods	G?	S?		
1	Crustacean	<i>Dactylocythere steevesi</i>	(a cave obligate shrimp)	G4	S2S3		
1	Crustacean	<i>Diacyclops nearcticus</i>	Nearctic copepod	G3G4	S?		
1	Crustacean	<i>Gammarus minus</i>	Lesser spring amphipod	G5	S?		
1	Crustacean	<i>Haplophthalmus danicus</i>	(a terrestrial cave isopod)	G?	S?		
1	Crustacean	<i>Itocyclops</i> undescribed sp.	cave copepods	G1	S?		
1	Crustacean	<i>Megacyclops donaldsoni</i>	Donaldson's cave copepod	G1	S?		
1	Crustacean	<i>Miktoniscus medcofi</i>	Medcof's terrestrial isopod	G4	S?		
1	Crustacean	<i>Orconectes barri</i>	Cumberland Plateau Cave Crayfish	G2	S?		
1	Crustacean	<i>Orconectes taylori</i>	Crescent Crayfish	G2	S2		
1	Crustacean	<i>Pseudocandona jeanneli</i>	Jeannel's Cave Ostracod	G1G2	S?		
1	Crustacean	<i>Pseudocandona</i> sp.	groundwater ostracods	G1G2	S?		

SWAP Tier	Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status
1	Crustacean	<i>Sagittocythere barri</i>	Ectocommensal Ostracod	G5	S3		
1	Crustacean	<i>Stygobromus exilis</i>	Central Kentucky Cave Obligate	G5	SR		
1	Crustacean	<i>Stygobromus mackini</i>	Southwestern Virginia Cave Amphipod	G5	SR		
1	Crustacean	<i>Stygobromus</i> sp.	cave amphipods	G?	S?		
1	Crustacean	<i>Stygobromus</i> sp. 3	Bosnak's cave amphipod	G2	S?		
1	Crustacean	<i>Stygobromus</i> sp. 34	(a cave obligate amphipod)	G1G2	S1S2		
1	Crustacean	<i>Stygobromus</i> sp. 4	Southern cave amphipod	G3	S?		
1	Crustacean	<i>Triconiscus pusillus</i>	terrestrial isopod	EX	S?		
1	Fish	<i>Anguilla rostrata</i>	American Eel	G5	S3		
1	Fish	<i>Etheostoma luteovinctum</i>	Redband Darter	G4	S4		D
1	Fish	<i>Etheostoma maydeni</i>	Redlips Darter	G2G3	S2S3		T
1	Fish	<i>Etheostoma obeyense</i>	Barcheek Darter	G4	S3		
1	Fish	<i>Etheostoma tuscumbia</i>	Tuscumbia Darter	G2	SX		D
1	Fish	<i>Hybognathus placitus</i>	Plains Minnow	G4	S1		D
1	Fish	<i>Ichthyomyzon unicuspis</i>	Silver Lamprey	G5	S2		D
1	Fish	<i>Macrhybopsis</i> sp. 1	Coosa Chub	G3G4	S1		
1	Fish	<i>Moxostoma lacerum</i>	Harelip Sucker	GX	SX		D
1	Fish	<i>Moxostoma</i> sp. 2	Sicklefin Redhorse	G2Q	S?	C	
1	Fish	<i>Notropis dorsalis</i>	Bigmouth Shiner	G5	S1		D
1	Fish	<i>Percina williamsi</i>	Sickle Darter	G2	S2		T
1	Fish	<i>Salvelinus fontinalis</i>	Brook Trout	G5	S3		
1	Gastropod	<i>Carychium exile</i>	Ice Thorn	G5	S?		
1	Gastropod	<i>Glyphyalinia</i> sp.	terrestrial snails	G1	S?		
1	Gastropod	<i>Glyphyalinia</i> sp.	terrestrial snails	G1	S?		
1	Gastropod	<i>Glyphyalinia</i> sp.	terrestrial snails	G?	S?		
1	Gastropod	<i>Glyphyalinia specus</i>	Hollow Glyph	G3	S4		
1	Gastropod	<i>Glyphyalinia wheatleyi</i>	Wheatley's glyph	G4	S?		
1	Gastropod	<i>Helicodiscus barri</i>	Raccoon Coil	G2G4	S3S4		
1	Gastropod	<i>Helicodiscus multidens</i>	Twilight Coil	G2	S3		
1	Gastropod	<i>Helicodiscus</i> sp.	terrestrial snails	G?	S?		
1	Gastropod	<i>Lithasia curta</i>	Knobby Rocksnail	G1	SX		
1	Gastropod	<i>Marstonia scalariformis</i>	Moss Pyrg	G1	SX		
1	Gastropod	<i>Pleurocera alveare</i>	Rugged Hornsnail	G3	S2	MC	
1	Reptile	<i>Clonophis kirtlandii</i>	Kirtlands Snake	G2	S1		
1	Reptile	<i>Thamnophis proximus</i>	Western Ribbonsnake	G5	S4S5		
2	Arachnid	<i>Achaearanea porteri</i>	Porter's cave spider	G4	S?		
2	Arachnid	<i>Agyreta</i> sp.	Trussell Cave Sheet-web Spider	G1	S?		
2	Arachnid	<i>Anthrobia mammothia</i>	(a cave obligate spider)	G5	S1		

SWAP Tier	Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status
2	Arachnid	Antrodiaetus sp.	(a foldingdoor trap-door spider)	G?	S?		
2	Arachnid	Apochthonius minor	(a pseudoscorpion)	G1	S?		
2	Arachnid	Apochthonius sp.	(a pseudoscorpion)	G1	S?		
2	Arachnid	Bathypantes albiventris	(a sheet-web spider)	G4	S?		
2	Arachnid	Bathypantes pallidus	Pallid Sheet-web Spider	G5	S?		
2	Arachnid	Bishopella sp. Probably laciniosa	harvestman	G?	S?		
2	Arachnid	Calymmaria persica	Cave-loving funnel-web spider	G4	S?		
2	Arachnid	Cicurina breviarua	funnel-web spider	G4	S?		
2	Arachnid	Cicurina placida	funnel-web spider	G4	S?		
2	Arachnid	Coras taugynus	funnel-web spider	G3G4	S?		
2	Arachnid	Eidmanella pallida	Pallid cave spider	G5	S?		
2	Arachnid	Erebomaster sp.	harvestmen	G?	S?		
2	Arachnid	Hesperonemastoma sp.	harvestmen	G?	S?		
2	Arachnid	Kleptochthonius sp.	Sells cave pseudoscorpion	G1	S?		
2	Arachnid	Kleptochthonius sp.	pseudoscorpions	G1	S?		
2	Arachnid	Kleptochthonius sp.	Round Cove cave pseudoscorpion	G1	S?		
2	Arachnid	Kleptochthonius undescribed sp.	cave pseudoscorpions	G1	S?		
2	Arachnid	Liocranoides archeri	Archer's two-clawed spider	G2	S?		
2	Arachnid	Liocranoides coylei	Coyle's tengellid spider	G3	S?		
2	Arachnid	Liocranoides gertschi	Gertsch's tengellid spider	G3	S?		
2	Arachnid	Liocranoides sp.	Two-clawed spider	G2	S?		
2	Arachnid	Liocranoides tennesseensis	Tennessee two-clawed spider	G2	S?		
2	Arachnid	Liocranoides unicolor	(a cave obligate spider)	G5	S?		
2	Arachnid	Macrocheles sp. 1	mite	G?	S?		
2	Arachnid	Macrocheles sp. 2	mite	G?	S?		
2	Arachnid	Macrocheles sp. 3	mite	G?	S?		
2	Arachnid	Maymena ambita	Minute cave spider	G3	S?		
2	Arachnid	Meta ovalis	American cave orb weaver	G5	S?		
2	Arachnid	Microcreagris nickajackensis	Nickajack cave pseudoscorpion	G1	S?		
2	Arachnid	Nemasatosoma sp.	harvestmen	G?	S?		
2	Arachnid	Nesticus barri	(a cave obligate spider)	G3	S3		
2	Arachnid	Nesticus pecki	Peck's cave spider	G1	S?		
2	Arachnid	Oreonetides sp.	cave sheet-web spiders	G1	S?		
2	Arachnid	Phalangodes sp.	cave harvestmen	G2	S?		
2	Arachnid	Phanetta subterranea	Subterranean sheet-web spider	G5	S?		
2	Arachnid	Porrhomma cavernicola	Appalachian Cave Spider	G5	S1?		
2	Arachnid	Rhagidia species s. latu	(a mite)	G?	S?		
2	Arachnid	Tolus sp.	(a harvestman)	G?	S?		

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2	Arachnid	Tyrannochthonius halopotamus	Salt River cave pseudoscorpion	G1	S?		
2	Flatworm	Sphalloplana percoeca	(a cave obligate planarian)	G5	S3?		
2	Flatworm	Sphalloplana sp.	(flatworms)	G?	S?		
2	Insect	Acrotrechis lucidula	Feather-winged Beetle	G2G3	SE1?		
2	Insect	Aleochara lucifuga	(a rove beetle)	G4	S?		
2	Insect	Aleochara sp.	(a rove beetle)	G?	S?		
2	Insect	Aloconota insecta	(a rove beetle)	G4	S?		
2	Insect	Aloconota laurentiana	(a rove beetle)	G4	S?		
2	Insect	Anillinus longiceps	(a cave obligate beetle)	G?	S?		
2	Insect	Anillinus sp.	(a ground beetle)	G?	S?		
2	Insect	Anillinus sp.	(undescribed ground beetle)	G1	S?		
2	Insect	Arianops pecki	(a cave ant beetle)	G?	S?		
2	Insect	Arianops sp.	(cave ant beetles)	G1	S?		
2	Insect	Arianops stygica	(a cave ant beetle)	G1	S?		
2	Insect	Arrhopalites benitus	(a springtail)	G4	S?		
2	Insect	Arrhopalites caecus	(a springtail)	G4	S?		
2	Insect	Arrhopalites marshalli	Marshall's Cave Springtail	G2	S?		
2	Insect	Arrhopalites pavo	(a cave springtail)	G2	S?		
2	Insect	Arrhopalites pygmaeus	(a springtail)	G4	S?		
2	Insect	Arrhopalites sp. 2 near bimus	(undescribed cave springtail)	G1	S?		
2	Insect	Arrhopalites sp. 3 near benitus	(undescribed cave springtail)	G1	S?		
2	Insect	Arrhopalites sp. 4	(undescribed cave springtail)	G1	S1		
2	Insect	Arrhopalites sp. 4 near lacuna	(undescribed cave springtail)	G1	S?		
2	Insect	Atheta annexa	(a rove beetle)	G4	S?		
2	Insect	Atheta sp.	(a rove beetle)	G?	S?		
2	Insect	Atheta trogliphila	(a trogliphilic rove beetle)	G4	S?		
2	Insect	Atranus pubescens	(a ground beetle)	G4	S?		
2	Insect	Batriasymmodes spelaeus	(a cave obligate beetle)	G3G4	S2?		
2	Insect	Batrisodes sp.	ant beetles	G?	S?		
2	Insect	Batrisodes sp.	ant beetles	G?	S?		
2	Insect	Batrisodes specus	(a beetle)	G3G4	S?		
2	Insect	Bembidion lacunarium	ground beetle	G4	S?		
2	Insect	Catops graciosus	round fungus beetle	G4	S?		
2	Insect	Ceratophysella denticulata	Toothed springtail	G4	S?		
2	Insect	Ceratophysella sp.	springtails	G?	S?		
2	Insect	Ceratophysella undescribed sp., denticulata group	springtail	G?	S?		
2	Insect	Ceuthophilus ensifer	cave cricket	G3	S?		
2	Insect	Ceuthophilus gracilipes vs. stygius	cave cricket	G4	S?		

SWAP Tier	Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status
2	Insect	Ceuthophilus sp.	cave crickets	G?	S?		
2	Insect	Ceuthophilus stygius	cave cricket	G4	S?		
2	Insect	Desoria trispinata	Three-spined springtail	G4	S?		
2	Insect	Desoria truncata	Truncate springtail	G4?	S?		
2	Insect	Dissochaetus oblitus	round fungus beetle	G4	S?		
2	Insect	Euhadenoecus puteaus	cave cricket	G4	S?		
2	Insect	Folsomia candida	springtail	G4	S?		
2	Insect	Folsomia stella	Stellate springtail	G4	S?		
2	Insect	Hadenoecini sp.	cave crickets	G?	S?		
2	Insect	Hadenoecus barri	Barr's cave cricket	G4	S?		
2	Insect	Hadenoecus jonesi	Jones' cave cricket	G3G4	S?		
2	Insect	Hypogastrura antra	springtail	G?	S?		
2	Insect	Hypogastrura sp. Denticulata group	springtail	G?	S?		
2	Insect	Hypogastrura undescribed sp.	springtails	G?	S?		
2	Insect	Lesteva pallipes	rove beetle	G4	S?		
2	Insect	Litocampa barryi	(a bristletail)	G?	S?		
2	Insect	Litocampa cherokeensis	(a bristletail)	G?	S?		
2	Insect	Litocampa cookei	Cooke's Cave Dipluran	G3	S?		
2	Insect	Litocampa davisii	(a bristletail)	G?	S?		
2	Insect	Litocampa inexpectata	(a bristletail)	G?	S?		
2	Insect	Litocampa sp.	(bristletails)	G?	S?		
2	Insect	Litocampa sp. 1	undescribed cave dipluran	G1	S?		
2	Insect	Litocampa valentinei	(a cave obligate bristletail)	G5	S2		
2	Insect	Macrocera nobilis	fungus gnat	G4	S?		
2	Insect	Megaselia cavernicola	cave hump-backed fly	G5	S?		
2	Insect	Nemadus horni	small carrion beetle	G4	S?		
2	Insect	Onychiurus pseudofimetarius	springtail	G4	S?		
2	Insect	Onychiurus reluctus	springtail	G4	S?		
2	Insect	Onychiurus sp.	springtails	G?	S?		
2	Insect	Platynus tenuicollis	ground beetle	G4	S?		
2	Insect	Prionochaeta opaca	small carrion beetle	G4	S?		
2	Insect	Pseudanopthalmus beakleyi	(a cave obligate beetle)	G3G4	S3		
2	Insect	Pseudanopthalmus cerberus cerberus	(a cave obligate beetle)	G3G4T3T4	S?		
2	Insect	Pseudanopthalmus intermedius	Intermediate cave beetle	G2	S?		
2	Insect	Pseudanopthalmus princeps	(a cave obligate beetle)	G1G2	S?		S1S2
2	Insect	Pseudanopthalmus robustus	(a cave obligate beetle)	G3G4	S3		
2	Insect	Pseudanopthalmus sp.	Keyhole cave beetle	G1	S?		
2	Insect	Pseudanopthalmus sp.	cave ground beetles	G1	S?		

SWAP Tier	Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status
2	Insect	<i>Pseudanopthalmus</i> sp.	(a cave obligate beetle)	G?	S?		
2	Insect	<i>Pseudanopthalmus</i> sp.	Aaron Tolletts cave beetle	G1	S?		
2	Insect	<i>Pseudanopthalmus</i> sp.	Wilmoth cave beetle	G1	S?		
2	Insect	<i>Pseudanopthalmus</i> sp.	Caney Hollow cave ground beetle	G1	S?		
2	Insect	<i>Pseudanopthalmus</i> sp.	Sells cave ground beetle	G2	S?		
2	Insect	<i>Pseudanopthalmus</i> sp.	Baker cave beetle	G1	S?		
2	Insect	<i>Pseudanopthalmus</i> sp. 36	Millers Cave Beetle	GNR	S1?		
2	Insect	<i>Pseudanopthalmus</i> sp. 36	Gunters Cave Beetle	G?	S?		S1?
2	Insect	<i>Pseudanopthalmus</i> sp. A englehardti group	(a cave obligate beetle)	G?	S?		
2	Insect	<i>Pseudanopthalmus</i> sp. B englehardti group	(a cave obligate beetle)	G?	S?		
2	Insect	<i>Pseudanopthalmus</i> sp. B jonesi group	(a cave obligate beetle)	G?	S?		
2	Insect	<i>Pseudosinella aera</i>	(a cave springtail)	G?	S?		
2	Insect	<i>Pseudosinella alba</i>	White springtail	G4	S?		
2	Insect	<i>Pseudosinella</i> cf. <i>christianseni</i>	(a cave springtail)	G?	S?		
2	Insect	<i>Pseudosinella</i> cf. <i>gisini</i>	(a cave springtail)	G?	S?		
2	Insect	<i>Pseudosinella</i> cf. <i>nata</i>	(a cave springtail)	G?	S?		
2	Insect	<i>Pseudosinella collina</i>	(a springtail)	G3G4	S?		
2	Insect	<i>Pseudosinella pecki</i>	Peck's cave springtail	G2	S?		
2	Insect	<i>Pseudosinella</i> sp.	(a springtail)	G?	S?		
2	Insect	<i>Pseudosinella</i> undescribed sp. near <i>espanita</i>	cave springtail	G1	S?		
2	Insect	<i>Psyllipocus ramburi</i>	(a cave barklice)	G4	S?		
2	Insect	<i>Ptomaphagus hatchi</i>	Hatch's cave fungus beetle	G3	S3?		
2	Insect	<i>Rhadine caudata</i>	ground beetle	G4	S?		
2	Insect	<i>Sciara</i> sp.	fungus gnats	G?	S?		
2	Insect	<i>Sensillanura barberi</i>	Barber's Springtail	G4	S?		
2	Insect	<i>Sinella cavernarum</i>	(a springtail)	G5	S3		
2	Insect	<i>Speleochus steevesi</i>	(a cave obligate beetle)	G?	S?		
2	Insect	<i>Speleochus</i> undescribed species	(a beetle)	G?	S?		
2	Insect	<i>Spelobia tenebrarum</i>	Cave dung fly	G5	S?		
2	Insect	<i>Stenoponia americana</i>	flea	G5	S?		
2	Insect	<i>Subterrochus ferus</i>	cave ant beetle	G1G2	S?		
2	Insect	<i>Subterrochus</i> sp.	cave ant beetles	G1	S?		
2	Insect	<i>Tomocerus bidentatus</i>	Two-toothed springtail	G4	S?		
2	Insect	<i>Tomocerus dubius</i>	springtail	G4	S?		
2	Insect	<i>Tomocerus flavescens</i>	Golden springtail	G5	S?		
2	Insect	<i>Tomocerus missus</i>	Relict cave springtail	G4	S?		
2	Insect	<i>Tomocerus</i> sp.	springtails	G1	S?		
2	Insect	<i>Typhlogastrura christianseni</i>	Christiansen's cave springtail	G1	S?		

SWAP Tier	Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status
2	Insect	Undetermined species	sepsid Black scavenger fly	G?	S?		
2	Millipede	Ameractis satis	(a cave obligate milliped)	G4	S?		
2	Millipede	Cambala sp.	millipeds	G?	S?		
2	Millipede	Chaetaspis debilis	(a cave obligate millipede)	G?	S?		
2	Millipede	Chaetaspis sp.	cave millipeds	G?	S?		
2	Millipede	Delophon holti	Hamblen County Millipede	GNR	S1		
2	Millipede	Ophiulus pilosus	(a millipede)	G?	S?		
2	Millipede	Pseudotremia eburnea	(a cave obligate millipede)	G2G4	S?		
2	Millipede	Pseudotremia minos	Russell cave milliped	G1	S?		
2	Millipede	Pseudotremia n. sp.	(a cave obligate millipede)	G?	S?		
2	Millipede	Pseudotremia nodosa	(a cave obligate millipede)	G4	S2S3		
2	Millipede	Pseudotremia sp.	cave millipeds	G?	S?		
2	Millipede	Pseudotremia sp. 10	Baker cave milliped	G1	S?		
2	Millipede	Pseudotremia sp. 5	Three Forks cave milliped	G1	S?		
2	Millipede	Pseudotremia sp. 6	Slippery slit cave milliped	G1	S?		
2	Millipede	Pseudotremia sp. 7	Barr's cave milliped	G?	S?		
2	Millipede	Pseudotremia sp. 8	Skylight cave milliped	G1	S?		
2	Millipede	Pseudotremia sp. 9	Holiday's cave milliped	G1	S?		
2	Millipede	Pseudotremia undescribed sp.	Hoffman's cave milliped	G1	S?		
2	Millipede	Pseudotremia undescribed sp.	Shear's cave milliped	G1	S?		
2	Millipede	Scoterpes blountensis	(a cave obligate millipede)	G?	S?		
2	Millipede	Scoterpes hesperus	(a cave obligate millipede)	G?	S?		
2	Millipede	Scoterpes jackdanieli	(a cave obligate millipede)	G?	S?		
2	Millipede	Scoterpes musicarustica	(a cave obligate millipede)	G?	S?		
2	Millipede	Scoterpes sp.	cave millipeds	G1	S?		
2	Millipede	Scoterpes sp.	cave millipeds	G2	S?		
2	Millipede	Scoterpes sp.	cave millipeds	G?	S?		
2	Millipede	Scoterpes tricorner	(a cave obligate millipede)	G?	S?		
2	Millipede	Scoterpes undescribed sp.	(a cave milliped)	G2G3	S?		
3	Bat	Myotis septentrionalis	Northern Myotis	G4	S4	LT	
3	Bivalve	Epioblasma metastriata	Upland Combshell	GH	SH	LE	E
3	Fish	Etheostoma lemniscatum	Tuxedo Darter	G1	S1	LE	E
3	Fish	Etheostoma marmorpinnum	Marbled Darter	G1	S1	LE	E
3	Fish	Etheostoma sitikuense	Citico Darter	G1	S1	LE, XN	E

Table 3: 2015 Removals from the TN State Wildlife Action Plan Species of Greatest Conservation Need List.

Species were removed from the list according to expert opinion regarding regional distributions, occurrence and population status within Tennessee, and global conservation status.

Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	2005 SWAP Tier
Bird	<i>Anhinga anhinga</i>	Anhinga	G5	S1B		D	1
Bird	<i>Chondestes grammacus</i>	Lark Sparrow	G5	S1B		T	1
Bird	<i>Coccyzus americanus</i>	Yellow-billed Cuckoo	G5	S4S5	(PS)		1
Bird	<i>Contopus virens</i>	Eastern Wood-pewee	G5	S5			1
Bird	<i>Corvus corax</i>	Common Raven	G5	S2		T	1
Bird	<i>Setophaga virens</i>	Black-throated Green Warbler	G5	S5			1
Bird	<i>Elanoides forficatus</i>	Swallow-tailed Kite	G5	SAN	MC		1
Bird	<i>Empidonax virescens</i>	Acadian Flycatcher	G5	S5			1
Bird	<i>Parula americana</i>	Northern Parula	G5	S5			1
Bird	<i>Passerculus sandwichensis</i>	Savannah Sparrow	G5	S1B, S4N			1
Bird	<i>Poocetes gramineus</i>	Vesper Sparrow	G5	S1B, S4N		D	1
Bird	<i>Regulus satrapa</i>	Golden-crowned Kinglet	G5	S3B, S4N			1
Bird	<i>Sitta canadensis</i>	Red-breasted Nuthatch	G5	S2B, S4N			1
Bird	<i>Spiza americana</i>	Dickcissel	G5	S4			1
Bird	<i>Tyrannus forficatus</i>	Scissor-tailed Flycatcher	G5	S1B, SAN			1
Bird	<i>Vireo flavifrons</i>	Yellow-throated Vireo	G5	S4			1
Bird	<i>Vireo griseus</i>	White-eyed Vireo	G5	S4			1
Bird	<i>Wilsonia citrina</i>	Hooded Warbler	G5	S4			1
Mammal	<i>Lepus americanus</i>	Snowshoe Hare	G5	SR			3
Reptile	<i>Apalone spinifera</i>	Spiny Softshell Turtle	G5	S5			1

Table 4: GCN bird species list in taxonomic order

Common Name	Scientific Name	S_Rank TN¹
Northern Bobwhite	<i>Colinus virginianus</i>	S2S3
American Bittern	<i>Botaurus lentiginosus</i>	S1
Least Bittern	<i>Ixobrychus exilis</i>	S2B
Great Egret	<i>Ardea alba</i>	S2B, S3N
Little Blue Heron	<i>Egretta caerulea</i>	S2B, S3N
Black-crowned Night-heron	<i>Nycticorax nycticorax</i>	S2S3B
Golden Eagle	<i>Aquila chrysaetos</i>	S1
Mississippi Kite	<i>Ictinia mississippiensis</i>	S2S3
Northern Harrier	<i>Circus cyaneus</i>	S4N
Sharp-shinned Hawk	<i>Accipiter striatus</i>	S3B, S4N
Bald Eagle	<i>Haliaeetus leucocephalus</i>	S3
King Rail	<i>Rallus elegans</i>	S2
Virginia Rail	<i>Rallus limicola</i>	S1B, S3N
Whooping Crane	<i>Grus americana</i>	S?
American Golden-Plover	<i>Pluvialis dominica</i>	S3N
Piping Plover	<i>Charadrius melodus melodus</i>	S2N
Upland Sandpiper	<i>Bartramia longicauda</i>	SXB?
Whimbrel	<i>Numenius phaeopus</i>	S?
Hudsonian Godwit	<i>Limosa haemastica</i>	S?
Marbled Godwit	<i>Limosa fedoa</i>	S?
Red Knot	<i>Calidris canutus</i>	S2N
Stilt Sandpiper	<i>Calidris himantopus</i>	S3N
Buff-breasted Sandpiper	<i>Tryngites subruficollis</i>	S3N
Semipalmated Sandpiper	<i>Calidris pusilla</i>	S4N

Western Sandpiper	<i>Calidris mauri</i>	S4N
American Woodcock	<i>Scolopax minor</i>	S4B
Interior Least Tern	<i>Sternula antillarum athalassos</i>	S2S3B
Barn Owl	<i>Tyto alba</i>	S3
Short-eared Owl	<i>Asio flammeus</i>	S3N
Northern Saw-whet Owl	<i>Aegolius acadicus</i>	S1
Chuck-will's-widow	<i>Caprimulgus carolinensis</i>	S3S4
Eastern Whip-poor-will	<i>Caprimulgus vociferus</i>	S3S4
Chimney Swift	<i>Chaetura pelagica</i>	S5
Red-headed Woodpecker	<i>Melanerpes erythrocephalus</i>	S4
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	S1B, S4N
Peregrine Falcon	<i>Falco peregrinus</i>	S1B
Olive-sided Flycatcher	<i>Contopus cooperi</i>	S1
Alder Flycatcher	<i>Empidonax alnorum</i>	S1
Least Flycatcher	<i>Empidonax minimus</i>	S3
Loggerhead Shrike	<i>Lanius ludovicianus</i>	S1B, S2N
Bell's Vireo	<i>Vireo bellii</i>	S1B
Bank Swallow	<i>Riparia riparia</i>	S3
Black-capped Chickadee	<i>Poecile atricapillus</i>	S2B
Brown-headed Nuthatch	<i>Sitta pusilla</i>	S2B
Brown Creeper	<i>Certhia americana</i>	S2B, S4N
Winter Wren	<i>Troglodytes troglodytes</i>	S3B, S4N
Sedge Wren	<i>Cistothorus platensis</i>	S3N, SPB
Bewick's Wren	<i>Thryomanes bewickii</i>	S1
Wood Thrush	<i>Hylocichla mustelina</i>	S4

Worm-eating Warbler	<i>Helmitheros vermivorum</i>	S4
Louisiana Waterthrush	<i>Parkesia motacilla</i>	S4
Blue-winged Warbler	<i>Vermivora cyanoptera</i>	S4
Golden-winged Warbler	<i>Vermivora chrysoptera</i>	S3B
Prothonotary Warbler	<i>Protonotaria citrea</i>	S4
Swainson's Warbler	<i>Limnothlypis swainsonii</i>	S3
Kentucky Warbler	<i>Geothlypis Formosa</i>	S4
Cerulean Warbler	<i>Setophaga cerulea</i>	S3B
Blackburnian Warbler	<i>Setophaga fusca</i>	S3B, S4N
Black-throated Blue Warbler	<i>Setophaga caerulescens</i>	S4
Yellow-throated Warbler	<i>Setophaga dominica</i>	S4
Prairie Warbler	<i>Setophaga discolor</i>	S3S4
Canada Warbler	<i>Cardellina canadensis</i>	S3B, S4N
Yellow-breasted Chat	<i>Icteria virens</i>	S4
Bachman's Sparrow	<i>Peucaea aestivalis</i>	S1B
Grasshopper Sparrow	<i>Ammodramus savannarum</i>	S4
Henslow's Sparrow	<i>Ammodramus henslowii</i>	S1B
LeConte's Sparrow	<i>Ammodramus leconteii</i>	S1N
Painted Bunting	<i>Passerina ciris</i>	S2
Eastern Meadowlark	<i>Sturnella magna</i>	S5
Rusty Blackbird	<i>Euphagus carolinus</i>	S4N
Orchard Oriole	<i>Icterus spurius</i>	S4

1S_Rank_tn		
State Conservation Status describing the species' abundance within Tennessee (TNDH		
S1 - Extremely rare and critically imperiled.		
S2 - Very rare and imperiled.		
S3 - Vulnerable.		
S4 - Uncommon but not rare, and apparently secure within the state, but with cause f		
factors.		
S5 - Demonstrably common, widespread, and secure in the state.		
_N - Conservation status refers to the non-breeding population.		
_B - Conservation status refers to the breeding population.		
Without N or B = year round and all occurrences		

Appendix C, Table 5. GCN wildlife and plant species closely associated with ridgeline areas in the North Cumberland Wildlife Management Area and Lands Unsuitable for Mining Petition boundary. GCN species located downstream of ridgeline areas are denoted with an asterisk (*).

Taxonomic Group	Scientific Name	Common Name
Amphibian	<i>Aneides aeneus</i>	Green Salamander
Amphibian	<i>Cryptobranchus alleganiensis</i>	Hellbender
Amphibian	<i>Desmognathus abditus</i>	Cumberland Dusky Salamander
Amphibian	<i>Desmognathus welteri</i>	Black Mountain Salamander
Amphibian	<i>Hemidactylium scutatum</i>	Four-toed Salamander
Amphibian	<i>Plethodon richmondi</i>	Ravine Salamander
Amphibian	<i>Pseudacris brachyphona</i>	Mountain Chorus Frog
Amphibian	<i>Pseudotriton montanus</i>	Mud Salamander
Amphibian	<i>Siren intermedia</i>	Lesser Siren
Bat	<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat
Bat	<i>Myotis grisescens</i>	Gray Bat
Bat	<i>Myotis leibii</i>	Eastern Small-footed Bat
Bat	<i>Myotis lucifugus</i>	Little Brown Bat
Bat	<i>Myotis septentrionalis</i>	Northern Myotis
Bat	<i>Myotis sodalis</i>	Indiana Bat
Bat	<i>Perimyotis subflavus</i>	Tri-colored Bat
Bird	<i>Accipiter striatus</i>	Sharp-shinned Hawk
Bird	<i>Ammodramus henslowii</i>	Henslow's Sparrow
Bird	<i>Ammodramus savannarum</i>	Grasshopper Sparrow
Bird	<i>Anas rubripes</i>	American Black Duck
Bird	<i>Aquila chrysaetos</i>	Golden Eagle
Bird	<i>Ardea alba</i>	Great Egret
Bird	<i>Bonasa umbellus</i>	Ruffed Grouse
Bird	<i>Botaurus lentiginosus</i>	American Bittern
Bird	<i>Caprimulgus carolinensis</i>	Chuck-will's-widow
Bird	<i>Caprimulgus vociferus</i>	Whip-poor-will
Bird	<i>Cardellina canadensis</i>	Canada Warbler
Bird	<i>Certhia americana</i>	Brown Creeper
Bird	<i>Chaetura pelagica</i>	Chimney Swift

Taxonomic Group	Scientific Name	Common Name
Bird	<i>Chordeiles minor</i>	Common Nighthawk
Bird	<i>Circus cyaneus</i>	Northern Harrier
Bird	<i>Colinus virginianus</i>	Northern Bobwhite
Bird	<i>Contopus cooperi</i>	Olive-sided Flycatcher
Bird	<i>Egretta caerulea</i>	Little Blue Heron
Bird	<i>Empidonax minimus</i>	Least Flycatcher
Bird	<i>Empidonax traillii</i>	Willow Flycatcher
Bird	<i>Euphagus carolinus</i>	Rusty Blackbird
Bird	<i>Falco peregrinus</i>	Peregrine Falcon
Bird	<i>Geothlypis formosa</i>	Kentucky Warbler
Bird	<i>Haliaeetus leucocephalus</i>	Bald Eagle
Bird	<i>Helmitheros vermivorum</i>	Worm-eating Warbler
Bird	<i>Hylocichla mustelina</i>	Wood Thrush
Bird	<i>Icteria virens</i>	Yellow-breasted Chat
Bird	<i>Icterus spurius</i>	Orchard Oriole
Bird	<i>Limnothlypis swainsonii</i>	Swainson's Warbler
Bird	<i>Melanerpes erythrocephalus</i>	Red-headed Woodpecker
Bird	<i>Nycticorax nycticorax</i>	Black-crowned Night-heron
Bird	<i>Parlesia motacilla</i>	Louisiana Waterthrush
Bird	<i>Protonotaria citrea</i>	Prothonotary Warbler
Bird	<i>Rallus elegans</i>	King Rail
Bird	<i>Riparia riparia</i>	Bank Swallow
Bird	<i>Scolopax minor</i>	American Woodcock
Bird	<i>Setophaga caerulescens</i>	Black-throated Blue Warbler
Bird	<i>Setophaga cerulea</i>	Cerulean Warbler
Bird	<i>Setophaga discolor</i>	Prairie Warbler
Bird	<i>Setophaga dominica</i>	Yellow-throated Warbler
Bird	<i>Setophaga fusca</i>	Blackburnian Warbler
Bird	<i>Sitta pusilla</i>	Brown-headed Nuthatch
Bird	<i>Sphyrapicus varius</i>	Yellow-bellied Sapsucker
Bird	<i>Sturnella magna</i>	Eastern Meadowlark
Bird	<i>Troglodytes troglodytes</i>	Winter Wren
Bird	<i>Tyto alba</i>	Barn Owl
Bird	<i>Vermivora chrysoptera</i>	Golden-winged Warbler

Taxonomic Group	Scientific Name	Common Name
Bird	<i>Vermivora cyanoptera</i>	Blue-winged Warbler
Bivalve	<i>Actinonaias ligamentina</i> *	Mucket
Bivalve	<i>Actinonaias pectorosa</i> *	Pheasantshell
Bivalve	<i>Alasmidonta atropurpurea</i> *	Cumberland Elktoe
Bivalve	<i>Alasmidonta marginata</i> *	Elktoe
Bivalve	<i>Alasmidonta viridis</i> *	Slippershell Mussel
Bivalve	<i>Anodontoides denigratus</i> *	Cumberland Papershell
Bivalve	<i>Epioblasma brevidens</i> *	Cumberlandian Combshell
Bivalve	<i>Epioblasma capsaeformis</i> *	Oyster Mussel
Bivalve	<i>Epioblasma florentina walkeri</i> *	Tan Riffleshell
Bivalve	<i>Fusconaia cuneolus</i> *	Finerayed Pigtoe
Bivalve	<i>Lampsilis siliquoidea</i> *	Fatmucket
Bivalve	<i>Lampsilis virescens</i>	Alabama Lampmussel
Bivalve	<i>Lasmigona holstonia</i>	Tennessee Heelsplitter
Bivalve	<i>Ligumia recta</i> *	Black Sandshell
Bivalve	<i>Medionidus conradicus</i> *	Cumberland Moccasinshell
Bivalve	<i>Obovaria subrotunda</i> *	Round Hickorynut
Bivalve	<i>Pegias fabula</i> *	Littlewing Pearlymussel
Bivalve	<i>Pleurobema clava</i> *	Clubshell
Bivalve	<i>Pleurobema oviforme</i>	Tennessee Clubshell
Bivalve	<i>Pleurobema rubrum</i> *	Pyramid Pigtoe
Bivalve	<i>Pleurobema sintoxia</i> *	Round Pigtoe
Bivalve	<i>Pleuronaia barnesiana</i> *	Tennessee Pigtoe
Bivalve	<i>Ptychobranthus subtentum</i> *	Fluted Kidneyshell
Bivalve	<i>Strophitus undulatus</i> *	Creeper
Bivalve	<i>Villosa iris</i> *	Rainbow
Bivalve	<i>Villosa lienosa</i> *	Little Spectaclecase
Bivalve	<i>Villosa perpurpurea</i>	Purple Bean
Bivalve	<i>Villosa taeniata</i> *	Painted Creekshell
Bivalve	<i>Villosa trabalis</i> *	Cumberland Bean
Crustacean	<i>Cambarus crinipes</i> *	Hairyfoot Crayfish
Crustacean	<i>Cambarus obeyensis</i>	Obey Crayfish
Crustacean	<i>Cambarus sp.</i>	Obed Crayfish
Crustacean	<i>Cambarus sp. 1</i>	Emory River Crayfish

Taxonomic Group	Scientific Name	Common Name
Fish	<i>Acipenser fulvescens</i> *	Lake Sturgeon
Fish	<i>Chrosomus cumberlandensis</i>	Blackside Dace
Fish	<i>Crystallaria cincotta</i> *	Diamond Darter
Fish	<i>Cycleptus elongatus</i> *	Blue sucker
Fish	<i>Erimonax monachus</i> *	Spotfin Chub
Fish	<i>Erimystax dissimilis</i> *	Streamline Chub
Fish	<i>Etheostoma acuticeps</i> *	Sharphead Darter
Fish	<i>Etheostoma baileyi</i>	Emerald Darter
Fish	<i>Etheostoma cinereum</i> *	Ashy Darter
Fish	<i>Etheostoma lemniscatum</i> *	Tuxedo Darter
Fish	<i>Etheostoma luteovinctum</i> *	Redband Darter
Fish	<i>Etheostoma maydeni</i>	Redlips Darter
Fish	<i>Etheostoma percunurum</i> *	Duskytail Darter
Fish	<i>Etheostoma sagitta</i>	Arrow Darter
Fish	<i>Etheostoma striatulum</i> *	Striated Darter
Fish	<i>Etheostoma susanae</i> *	Cumberland Darter
Fish	<i>Etheostoma tippecanoe</i> *	Tippecanoe Darter
Fish	<i>Etheostoma vulneratum</i> *	Wounded Darter
Fish	<i>Notropis buccatus</i>	Silverjaw Minnow
Fish	<i>Notropis rubellus</i>	Rosyface Shiner
Fish	<i>Noturus baileyi</i>	Smoky Madtom
Fish	<i>Noturus flavipinnis</i>	Yellowfin Madtom
Fish	<i>Percina aurantiaca</i> *	Tangerine Darter
Fish	<i>Percina macrocephala</i> *	Longhead Darter
Fish	<i>Percina squamata</i> *	Olive Darter
Fish	<i>Percina williamsi</i>	Sickle Darter
Insect	<i>Gomphus consanguis</i>	Cherokee Clubtail
Mammal	<i>Martes pennanti</i>	Fisher
Mammal	<i>Napaeozapus insignis</i>	Woodland Jumping Mouse
Mammal	<i>Neotoma floridana illinoensis</i>	Eastern Woodrat
Mammal	<i>Neotoma magister</i>	Allegheny Woodrat
Mammal	<i>Ochrotomys nuttalli</i>	Golden Mouse
Mammal	<i>Parascalops breweri</i>	Hairy-tailed Mole
Mammal	<i>Sorex cinereus</i>	Cinereus Shrew

Taxonomic Group	Scientific Name	Common Name
Mammal	<i>Sorex fumeus</i>	Smoky Shrew
Mammal	<i>Sorex hoyi</i>	American Pygmy Shrew
Mammal	<i>Sorex longirostris</i>	Southeastern Shrew
Mammal	<i>Spilogale putorius</i>	Eastern Spotted Skunk
Mammal	<i>Synaptomys cooperi</i>	Southern Bog Lemming
Mammal	<i>Zapus hudsonius</i>	Meadow Jumping Mouse
Plant	<i>Aureolaria patula</i>	Spreading False-foxglove
Plant	<i>Bryoxiphium norvegicum</i>	Sword Moss
Plant	<i>Corydalis sempervirens</i>	Pale Corydalis
Plant	<i>Cypripedium acaule</i>	Pink Lady's-slipper
Plant	<i>Juglans cinerea</i>	Butternut
Plant	<i>Lilium canadense</i>	Canada Lily
Plant	<i>Lonicera dioica</i>	Mountain Honeysuckle
Plant	<i>Melanthium woodii</i>	Ozark Bunchflower
Plant	<i>Panax quinquefolius</i>	American Ginseng
Plant	<i>Platanthera flava</i> var. <i>herbiola</i>	Tuberclad Rein Orchid
Plant	<i>Silphium wasiotense</i>	Kentucky Rosinweed
Reptile	<i>Anolis carolinensis</i>	Green Anole
Reptile	<i>Crotalus horridus</i>	Timber Rattlesnake
Reptile	<i>Heterodon platirhinos</i>	Eastern Hognosed Snake
Reptile	<i>Terrapene carolina</i>	Eastern Box Turtle

Tennessee State Wildlife Action Plan 2015

Appendix D - Habitat information for GCN species:
Habitat classification hierarchies, descriptions of habitat
ecological systems, and GCN species habitat
preferences by ecoregion

Appendix D: Habitat information for GCN species. Habitat classification hierarchies, descriptions of habitat ecological systems, and GCN species habitat preferences by ecoregion.

Table 1. Habitat Classification Hierarchy, including list of ecological systems

Habitat Category	Habitat Class	Habitat Alliance	Habitat Group	Ecological Systems	
Terrestrial	Natural	Forest and Woodland	Upland Deciduous Forest	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland, East Gulf Coastal Plain Northern Dry Upland Hardwood Forest, Southern Interior Low Plateau Dry-Mesic Oak Forest, Southern Ridge and Valley / Cumberland Dry Calcareous Forest, Allegheny-Cumberland Dry Oak Forest and Woodland, East Gulf Coastal Plain Northern Loess Bluff Forest, East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest, South-Central Interior / Upper Coastal Plain Flatwoods, East Gulf Coastal Plain Limestone Forest, South-Central Interior Mesophytic Forest, Southern and Central Appalachian Cove Forest, Southern Appalachian Oak Forest, Southern Appalachian Northern Hardwood Forest	
			Upland Coniferous Forest	Southern Appalachian Low-Elevation Pine Forest, Southern Appalachian Montane Pine Forest and Woodland, Central and Southern Appalachian Spruce-Fir Forest	
			Upland Mixed Forest	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest, Appalachian (Hemlock)-Northern Hardwood Forest	
			Upland Mixed Woodland	Central Interior Highlands Dry Acidic Glade and Barrens, Appalachian Shale Barrens	
		Savanna and Shrub-Steppe	Glade/Barrens	Central Interior Highlands Calcareous Glade and Barrens, Nashville Basin Limestone Glade and Woodland, Cumberland Sandstone Glade and Barrens, Ridge and Valley Calcareous Valley Bottom Glade and Woodland, Central Appalachian Alkaline Glade and Woodland, Southern and Central Appalachian Mafic Glade and Barrens	
		Upland Grassland and Herbaceous	Prairie/Barrens	East Gulf Coastal Plain Jackson Plain Prairie and Barrens, East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland, Pennyroyal Karst Plain Prairie and Barrens, Western Highland Rim Prairie and Barrens, Eastern Highland Rim Prairie and Barrens, Cumberland Wet-Mesic Meadow and Savanna, Southern Ridge and Valley Patch Prairie	
		Woody Wetlands and Riparian	Bald	Southern Appalachian Grass and Shrub Bald	
			Forested Bottomland Floodplain	Mississippi River High Floodplain (Bottomland) Forest, Mississippi River Low Floodplain (Bottomland) Forest, Mississippi River Riparian Forest, East Gulf Coastal Plain Large River Floodplain Forest, East Gulf Coastal Plain Small Stream and River Floodplain Forest, Cumberland Riverscour	
			Forested Seep/Bog/Swamp	East Gulf Coastal Plain Northern Seepage Swamp, Cumberland Seepage Forest, Southern and Central Appalachian Bog and Fen	
			Forested Depression/Wet Flatwoods	Mississippi River Bottomland Depression, South-Central Interior / Upper Coastal Plain Wet Flatwoods, Central Interior Highlands and Appalachian Sinkhole and Depression Pond	
		Herbaceous Wetland	Open Seep/Fen	Interior Low Plateau Seepage Fen, Southern Appalachian Seepage Wetland	
			Mixed Upland and Wetland	Upland Riparian Zone/Floodplain	South-Central Interior Small Stream and Riparian, South-Central Interior Large Floodplain
			Sparsely Vegetated	Cliff/Talus	Central Interior Acidic Cliff and Talus, Central Interior Calcareous Cliff and Talus, Cumberland Acidic Cliff and Rockhouse, Southern Appalachian Spray Cliff, Southern Appalachian Montane Cliff and Talus, Southern Interior Calcareous Cliff

			Mountain Summit	Southern Appalachian Rocky Summit
			Karst Outcrop	Southern Interior Sinkhole Wall
	Semi-Natural	Forest and Woodland	Forest Plantation	Forest Plantation
			Urban/Suburban Managed Forest	Urban / Suburban Managed Forestland
		Savanna and Shrub-Steppe	Old Field/Successional	
			Upland Grassland and Herbaceous	Pasture
		Woody Wetlands and Riparian	Cropland	Cropland
			Urban/Suburban Managed Grassland	Urban / Suburban Managed Grassland
	Sparsely Vegetated	Converted/Altered Forested Wetland	Converted Wetland (Lacustrine, Riverine, and Palustrine)	
	Non-Natural	Developed Land	Excavated Land	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)
			Edifice/Other Man-Made Structure	Edifice / Other Man-made Structure
			Impervious Landscape	Developed Open Space
				Low, Medium, and High Intensity Developed
Aquatic	Natural	Riverine	Large River	Large River
			Medium River	Medium River
			Small River	Small River
			Creek/Headwater Stream	Creek / Headwater Stream
		Lacustrine	Lake/Oxbow	Lake
Semi-Natural	Riverine	Channelized River/Stream	Channelized River / Stream	
	Lacustrine	Reservoir/Excavated Pond	Reservoir	
Subterranean	Natural	Karst	Cave/Sinkhole	Subterrestrial Environment
			Cave/Sinkhole	Subaquatic Environment
	Semi-Natural	Artificial Karst	Mine Shaft/Tunnel	Excavated Land (Mine Shaft / Rock Quarry / Tunnel)

Table 2. Habitat preference information for terrestrial GCN species.

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Amphibian	<i>Acris gryllus</i> (Southern Cricket Frog)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
Amphibian	<i>Acris gryllus</i> (Southern Cricket Frog)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Amphibian	<i>Acris gryllus</i> (Southern Cricket Frog)	Mississippi River Riparian Forest	Suit					
Amphibian	<i>Acris gryllus</i> (Southern Cricket Frog)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Amphibian	<i>Acris gryllus</i> (Southern Cricket Frog)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Amphibian	<i>Acris gryllus</i> (Southern Cricket Frog)	East Gulf Coastal Plain Northern Seepage Swamp		Pref				
Amphibian	<i>Acris gryllus</i> (Southern Cricket Frog)	Mississippi River Bottomland Depression	Suit					
Amphibian	<i>Acris gryllus</i> (Southern Cricket Frog)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Amphibian	<i>Acris gryllus</i> (Southern Cricket Frog)	South-Central Interior Small Stream and Riparian		Suit				
Amphibian	<i>Acris gryllus</i> (Southern Cricket Frog)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	<i>Acris gryllus</i> (Southern Cricket Frog)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	<i>Acris gryllus</i> (Southern Cricket Frog)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Amphibian	<i>Ambystoma barbouri</i> (Streamside Salamander)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Amphibian	<i>Ambystoma barbouri</i> (Streamside Salamander)	South-Central Interior Mesophytic Forest			Suit			
Amphibian	<i>Ambystoma barbouri</i> (Streamside Salamander)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg			
Amphibian	<i>Ambystoma barbouri</i> (Streamside Salamander)	Interior Low Plateau Seepage Fen			Suit			
Amphibian	<i>Ambystoma barbouri</i> (Streamside Salamander)	South-Central Interior Small Stream and Riparian			Pref			
Amphibian	<i>Ambystoma barbouri</i> (Streamside Salamander)	South-Central Interior Large Floodplain			Marg			
Amphibian	<i>Ambystoma barbouri</i> (Streamside Salamander)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	<i>Ambystoma texanum</i> (Smallmouth Salamander)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Amphibian	<i>Ambystoma texanum</i> (Smallmouth Salamander)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Amphibian	<i>Ambystoma texanum</i> (Smallmouth Salamander)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Pref			
Amphibian	<i>Ambystoma texanum</i> (Smallmouth Salamander)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Amphibian	<i>Ambystoma texanum</i> (Smallmouth Salamander)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	Marg
Amphibian	<i>Ambystoma texanum</i> (Smallmouth Salamander)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Amphibian	<i>Ambystoma texanum</i> (Smallmouth Salamander)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Amphibian	<i>Ambystoma texanum</i> (Smallmouth Salamander)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Amphibian	<i>Ambystoma texanum</i> (Smallmouth Salamander)	East Gulf Coastal Plain Limestone Forest		Marg				
Amphibian	<i>Ambystoma texanum</i> (Smallmouth Salamander)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Amphibian	<i>Ambystoma texanum</i> (Smallmouth Salamander)	Southern and Central Appalachian Cove Forest				Marg	Marg	Marg

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Southern Appalachian Oak Forest					Suit	Suit
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Southern Appalachian Northern Hardwood Forest						Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Marg	Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Central and Southern Appalachian Spruce-Fir Forest						Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Appalachian (Hemlock)-Northern Hardwood Forest				Marg	Marg	Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Central Interior Highlands Dry Acidic Glade and Barrens		Marg	Marg			
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Appalachian Shale Barrens				Marg	Marg	Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Central Interior Highlands Calcareous Glade and Barrens		Marg	Marg	Marg	Marg	
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Nashville Basin Limestone Glade and Woodland			Marg			
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Cumberland Sandstone Glade and Barrens				Marg		
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Central Appalachian Alkaline Glade and Woodland					Marg	
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Southern and Central Appalachian Mafic Glade and Barrens						Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Amphibian	Ambystoma texanum (Smallmouth Salamander)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Marg				
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Western Highland Rim Prairie and Barrens			Suit			
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Eastern Highland Rim Prairie and Barrens			Suit			
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Southern Ridge and Valley Patch Prairie					Marg	
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Southern Appalachian Grass and Shrub Bald						Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Mississippi River High Floodplain (Bottomland) Forest	Marg					
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Mississippi River Low Floodplain (Bottomland) Forest	Marg					
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Mississippi River Riparian Forest	Marg					
Amphibian	Ambystoma texanum (Smallmouth Salamander)	East Gulf Coastal Plain Large River Floodplain Forest		Marg				
Amphibian	Ambystoma texanum (Smallmouth Salamander)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Marg				
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Cumberland Riverscour				Marg		
Amphibian	Ambystoma texanum (Smallmouth Salamander)	East Gulf Coastal Plain Northern Seepage Swamp		Marg				
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Cumberland Seepage Forest				Marg		
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Southern and Central Appalachian Bog and Fen					Marg	Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref	Pref	Pref	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Interior Low Plateau Seepage Fen			Marg			
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Southern Appalachian Seepage Wetland						Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	South-Central Interior Large Floodplain			Marg	Marg	Marg	Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Central Interior Acidic Cliff and Talus			Marg			
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Central Interior Calcareous Cliff and Talus			Marg			
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Cumberland Acidic Cliff and Rockhouse				Marg	Marg	
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Southern Appalachian Spray Cliff				Marg	Marg	Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Southern Appalachian Montane Cliff and Talus				Marg	Marg	Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Southern Interior Calcareous Cliff					Marg	Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Southern Appalachian Rocky Summit						Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Southern Interior Sinkhole Wall			Marg	Marg	Marg	Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Aneides aeneus (Green Salamander)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Amphibian	Aneides aeneus (Green Salamander)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Amphibian	Aneides aeneus (Green Salamander)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Amphibian	Aneides aeneus (Green Salamander)	South-Central Interior Mesophytic Forest			Marg	Suit	Suit	
Amphibian	Aneides aeneus (Green Salamander)	Southern and Central Appalachian Cove Forest				Suit	Suit	
Amphibian	Aneides aeneus (Green Salamander)	Southern Appalachian Oak Forest					Suit	
Amphibian	Aneides aeneus (Green Salamander)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	
Amphibian	Aneides aeneus (Green Salamander)	Central Interior Highlands Dry Acidic Glade and Barrens			Suit			
Amphibian	Aneides aeneus (Green Salamander)	Central Interior Highlands Calcareous Glade and Barrens			Pref	Marg	Suit	
Amphibian	Aneides aeneus (Green Salamander)	Nashville Basin Limestone Glade and Woodland			Pref			
Amphibian	Aneides aeneus (Green Salamander)	Cumberland Sandstone Glade and Barrens				Marg		
Amphibian	Aneides aeneus (Green Salamander)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Amphibian	Aneides aeneus (Green Salamander)	Central Interior Acidic Cliff and Talus			Suit			
Amphibian	Aneides aeneus (Green Salamander)	Central Interior Calcareous Cliff and Talus			Pref			
Amphibian	Aneides aeneus (Green Salamander)	Cumberland Acidic Cliff and Rockhouse				Suit	Suit	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Amphibian	Aneides aeneus (Green Salamander)	Southern Appalachian Montane Cliff and Talus				Suit	Suit	
Amphibian	Aneides aeneus (Green Salamander)	Southern Interior Calcareous Cliff					Suit	
Amphibian	Aneides aeneus (Green Salamander)	Southern Interior Sinkhole Wall			Marg		Marg	
Amphibian	Desmognathus abditus (Cumberland Dusky Salamander)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Amphibian	Desmognathus abditus (Cumberland Dusky Salamander)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Amphibian	Desmognathus abditus (Cumberland Dusky Salamander)	Southern and Central Appalachian Cove Forest				Marg	Marg	
Amphibian	Desmognathus abditus (Cumberland Dusky Salamander)	Southern Appalachian Oak Forest					Marg	
Amphibian	Desmognathus abditus (Cumberland Dusky Salamander)	Southern Appalachian Low-Elevation Pine Forest				Marg	Marg	
Amphibian	Desmognathus abditus (Cumberland Dusky Salamander)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	
Amphibian	Desmognathus abditus (Cumberland Dusky Salamander)	Cumberland Seepage Forest				Suit		
Amphibian	Desmognathus abditus (Cumberland Dusky Salamander)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Marg	Marg	
Amphibian	Desmognathus abditus (Cumberland Dusky Salamander)	South-Central Interior Small Stream and Riparian				Pref		
Amphibian	Desmognathus abditus (Cumberland Dusky Salamander)	Cumberland Acidic Cliff and Rockhouse				Pref		
Amphibian	Desmognathus abditus (Cumberland Dusky Salamander)	Southern Appalachian Spray Cliff				Pref		
Amphibian	Desmognathus aeneus (Seepage Salamander)	Southern and Central Appalachian Cove Forest						Suit
Amphibian	Desmognathus aeneus (Seepage Salamander)	Southern Appalachian Oak Forest						Marg
Amphibian	Desmognathus aeneus (Seepage Salamander)	Southern Appalachian Northern Hardwood Forest						Suit
Amphibian	Desmognathus aeneus (Seepage Salamander)	Southern Appalachian Low-Elevation Pine Forest						Marg
Amphibian	Desmognathus aeneus (Seepage Salamander)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Amphibian	Desmognathus aeneus (Seepage Salamander)	Central and Southern Appalachian Spruce-Fir Forest						Marg
Amphibian	Desmognathus aeneus (Seepage Salamander)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Amphibian	Desmognathus aeneus (Seepage Salamander)	Southern and Central Appalachian Bog and Fen						Suit
Amphibian	Desmognathus aeneus (Seepage Salamander)	Southern Appalachian Seepage Wetland						Suit
Amphibian	Desmognathus aeneus (Seepage Salamander)	South-Central Interior Small Stream and Riparian						Suit
Amphibian	Desmognathus imitator (Imitator Salamander)	Allegheny-Cumberland Dry Oak Forest and Woodland						Marg
Amphibian	Desmognathus imitator (Imitator Salamander)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Amphibian	Desmognathus imitator (Imitator Salamander)	Southern Appalachian Oak Forest					Suit	Suit
Amphibian	Desmognathus imitator (Imitator Salamander)	Southern Appalachian Northern Hardwood Forest						Suit
Amphibian	Desmognathus imitator (Imitator Salamander)	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg
Amphibian	Desmognathus imitator (Imitator Salamander)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Amphibian	Desmognathus imitator (Imitator Salamander)	Appalachian (Hemlock)-Northern Hardwood Forest					Pref	Pref
Amphibian	Desmognathus imitator (Imitator Salamander)	Southern and Central Appalachian Bog and Fen					Marg	Marg
Amphibian	Desmognathus imitator (Imitator Salamander)	Southern Appalachian Seepage Wetland						Marg
Amphibian	Desmognathus imitator (Imitator Salamander)	South-Central Interior Small Stream and Riparian					Marg	Marg
Amphibian	Desmognathus imitator (Imitator Salamander)	Southern Appalachian Spray Cliff					Marg	Marg

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Amphibian	Desmognathus imitator (Imitator Salamander)	Southern Appalachian Montane Cliff and Talus					Marg	Marg
Amphibian	Desmognathus imitator (Imitator Salamander)	Southern Interior Calcareous Cliff					Marg	Marg
Amphibian	Desmognathus imitator (Imitator Salamander)	Southern Appalachian Rocky Summit						Marg
Amphibian	Desmognathus organi (Northern Pygmy Salamander)	Allegheny-Cumberland Dry Oak Forest and Woodland						Marg
Amphibian	Desmognathus organi (Northern Pygmy Salamander)	Southern and Central Appalachian Cove Forest					Suit	Suit
Amphibian	Desmognathus organi (Northern Pygmy Salamander)	Southern Appalachian Oak Forest					Suit	Suit
Amphibian	Desmognathus organi (Northern Pygmy Salamander)	Southern Appalachian Northern Hardwood Forest						Suit
Amphibian	Desmognathus organi (Northern Pygmy Salamander)	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg
Amphibian	Desmognathus organi (Northern Pygmy Salamander)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Amphibian	Desmognathus organi (Northern Pygmy Salamander)	Appalachian (Hemlock)-Northern Hardwood Forest					Pref	Pref
Amphibian	Desmognathus organi (Northern Pygmy Salamander)	Southern and Central Appalachian Bog and Fen					Marg	Marg
Amphibian	Desmognathus organi (Northern Pygmy Salamander)	Southern Appalachian Seepage Wetland						Marg
Amphibian	Desmognathus organi (Northern Pygmy Salamander)	South-Central Interior Small Stream and Riparian					Marg	Marg
Amphibian	Desmognathus organi (Northern Pygmy Salamander)	Southern Appalachian Spray Cliff					Marg	Marg
Amphibian	Desmognathus organi (Northern Pygmy Salamander)	Southern Appalachian Montane Cliff and Talus					Marg	Marg
Amphibian	Desmognathus organi (Northern Pygmy Salamander)	Southern Interior Calcareous Cliff					Marg	Marg
Amphibian	Desmognathus organi (Northern Pygmy Salamander)	Southern Appalachian Rocky Summit						Marg
Amphibian	Desmognathus welteri (Black Mountain Salamander)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Amphibian	Desmognathus welteri (Black Mountain Salamander)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	Suit
Amphibian	Desmognathus welteri (Black Mountain Salamander)	South-Central Interior Mesophytic Forest				Suit	Suit	
Amphibian	Desmognathus welteri (Black Mountain Salamander)	Southern and Central Appalachian Cove Forest				Pref	Pref	Pref
Amphibian	Desmognathus welteri (Black Mountain Salamander)	Southern Appalachian Oak Forest					Pref	Pref
Amphibian	Desmognathus welteri (Black Mountain Salamander)	Southern Appalachian Northern Hardwood Forest						Pref
Amphibian	Desmognathus welteri (Black Mountain Salamander)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Marg	Marg
Amphibian	Desmognathus welteri (Black Mountain Salamander)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Amphibian	Desmognathus welteri (Black Mountain Salamander)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Amphibian	Desmognathus welteri (Black Mountain Salamander)	Cumberland Seepage Forest				Marg		
Amphibian	Desmognathus welteri (Black Mountain Salamander)	South-Central Interior Small Stream and Riparian		Pref	Pref	Pref	Pref	Pref
Amphibian	Desmognathus welteri (Black Mountain Salamander)	South-Central Interior Large Floodplain			Marg	Marg	Marg	Marg
Amphibian	Desmognathus wrighti (Pygmy Salamander)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Marg	
Amphibian	Desmognathus wrighti (Pygmy Salamander)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	
Amphibian	Desmognathus wrighti (Pygmy Salamander)	South-Central Interior Mesophytic Forest					Suit	
Amphibian	Desmognathus wrighti (Pygmy Salamander)	Southern and Central Appalachian Cove Forest					Suit	Suit
Amphibian	Desmognathus wrighti (Pygmy Salamander)	Southern Appalachian Oak Forest					Suit	Marg
Amphibian	Desmognathus wrighti (Pygmy Salamander)	Southern Appalachian Northern Hardwood Forest						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Amphibian	<i>Desmognathus wrighti</i> (Pygmy Salamander)	Southern Appalachian Low-Elevation Pine Forest					Suit	Suit
Amphibian	<i>Desmognathus wrighti</i> (Pygmy Salamander)	Southern Appalachian Montane Pine Forest and Woodland					Suit	Suit
Amphibian	<i>Desmognathus wrighti</i> (Pygmy Salamander)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Amphibian	<i>Desmognathus wrighti</i> (Pygmy Salamander)	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	Suit
Amphibian	<i>Hemidactylium scutatum</i> (Four-toed Salamander)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Amphibian	<i>Hemidactylium scutatum</i> (Four-toed Salamander)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Amphibian	<i>Hemidactylium scutatum</i> (Four-toed Salamander)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Amphibian	<i>Hemidactylium scutatum</i> (Four-toed Salamander)	South-Central Interior Mesophytic Forest			Suit	Suit	Suit	
Amphibian	<i>Hemidactylium scutatum</i> (Four-toed Salamander)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Amphibian	<i>Hemidactylium scutatum</i> (Four-toed Salamander)	Southern Appalachian Oak Forest					Suit	Suit
Amphibian	<i>Hemidactylium scutatum</i> (Four-toed Salamander)	Southern Appalachian Northern Hardwood Forest						Suit
Amphibian	<i>Hemidactylium scutatum</i> (Four-toed Salamander)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Marg	Marg
Amphibian	<i>Hemidactylium scutatum</i> (Four-toed Salamander)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Amphibian	<i>Hemidactylium scutatum</i> (Four-toed Salamander)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Amphibian	<i>Hemidactylium scutatum</i> (Four-toed Salamander)	Cumberland Seepage Forest				Suit		
Amphibian	<i>Hemidactylium scutatum</i> (Four-toed Salamander)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Amphibian	<i>Hemidactylium scutatum</i> (Four-toed Salamander)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref	Pref	Pref	
Amphibian	<i>Hemidactylium scutatum</i> (Four-toed Salamander)	Interior Low Plateau Seepage Fen			Suit			
Amphibian	<i>Hemidactylium scutatum</i> (Four-toed Salamander)	Southern Appalachian Seepage Wetland						Pref
Amphibian	<i>Hemidactylium scutatum</i> (Four-toed Salamander)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	<i>Hyla gratiosa</i> (Barking Treefrog)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Amphibian	<i>Hyla gratiosa</i> (Barking Treefrog)	Mississippi River Riparian Forest	Pref					
Amphibian	<i>Hyla gratiosa</i> (Barking Treefrog)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Amphibian	<i>Hyla gratiosa</i> (Barking Treefrog)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				
Amphibian	<i>Hyla gratiosa</i> (Barking Treefrog)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Amphibian	<i>Hyla gratiosa</i> (Barking Treefrog)	Cumberland Seepage Forest				Suit		
Amphibian	<i>Hyla gratiosa</i> (Barking Treefrog)	Mississippi River Bottomland Depression	Pref					
Amphibian	<i>Hyla gratiosa</i> (Barking Treefrog)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Amphibian	<i>Hyla gratiosa</i> (Barking Treefrog)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref	Pref		
Amphibian	<i>Hyla gratiosa</i> (Barking Treefrog)	Interior Low Plateau Seepage Fen			Suit			
Amphibian	<i>Hyla gratiosa</i> (Barking Treefrog)	South-Central Interior Small Stream and Riparian		Suit				
Amphibian	<i>Hyla gratiosa</i> (Barking Treefrog)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Amphibian	<i>Hyla versicolor</i> (Gray Treefrog)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Amphibian	Lithobates areolatus (Crawfish Frog)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Lithobates areolatus (Crawfish Frog)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
Amphibian	Lithobates areolatus (Crawfish Frog)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Lithobates areolatus (Crawfish Frog)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Amphibian	Lithobates areolatus (Crawfish Frog)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Suit	Suit	Suit	Suit	Suit	Suit
Amphibian	Plethodon aureolus (Tellico Salamander)	Southern and Central Appalachian Cove Forest						Suit
Amphibian	Plethodon aureolus (Tellico Salamander)	Southern Appalachian Oak Forest						Suit
Amphibian	Plethodon aureolus (Tellico Salamander)	Southern Appalachian Northern Hardwood Forest						Suit
Amphibian	Plethodon aureolus (Tellico Salamander)	Southern Appalachian Low-Elevation Pine Forest						Marg
Amphibian	Plethodon aureolus (Tellico Salamander)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Amphibian	Plethodon aureolus (Tellico Salamander)	Appalachian (Hemlock)-Northern Hardwood Forest						Pref
Amphibian	Plethodon jordani (Red-cheeked Salamander)	Southern and Central Appalachian Cove Forest						Suit
Amphibian	Plethodon jordani (Red-cheeked Salamander)	Southern Appalachian Oak Forest						Marg
Amphibian	Plethodon jordani (Red-cheeked Salamander)	Southern Appalachian Northern Hardwood Forest						Pref
Amphibian	Plethodon jordani (Red-cheeked Salamander)	Appalachian (Hemlock)-Northern Hardwood Forest						Pref
Amphibian	Plethodon jordani (Red-cheeked Salamander)	Southern Appalachian Montane Cliff and Talus						Suit
Amphibian	Plethodon montanus (Northern Gray-cheeked Salamander)	Allegheny-Cumberland Dry Oak Forest and Woodland						Marg
Amphibian	Plethodon montanus (Northern Gray-cheeked Salamander)	Southern and Central Appalachian Cove Forest					Suit	Suit
Amphibian	Plethodon montanus (Northern Gray-cheeked Salamander)	Southern Appalachian Oak Forest					Suit	Suit
Amphibian	Plethodon montanus (Northern Gray-cheeked Salamander)	Southern Appalachian Northern Hardwood Forest						Suit
Amphibian	Plethodon montanus (Northern Gray-cheeked Salamander)	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg
Amphibian	Plethodon montanus (Northern Gray-cheeked Salamander)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Amphibian	Plethodon montanus (Northern Gray-cheeked Salamander)	Appalachian (Hemlock)-Northern Hardwood Forest					Pref	Pref
Amphibian	Plethodon montanus (Northern Gray-cheeked Salamander)	Southern and Central Appalachian Bog and Fen					Marg	Marg
Amphibian	Plethodon montanus (Northern Gray-cheeked Salamander)	Southern Appalachian Seepage Wetland						Marg
Amphibian	Plethodon montanus (Northern Gray-cheeked Salamander)	South-Central Interior Small Stream and Riparian					Marg	Marg
Amphibian	Plethodon montanus (Northern Gray-cheeked Salamander)	Southern Appalachian Spray Cliff					Marg	Marg
Amphibian	Plethodon montanus (Northern Gray-cheeked Salamander)	Southern Appalachian Montane Cliff and Talus					Marg	Marg
Amphibian	Plethodon montanus (Northern Gray-cheeked Salamander)	Southern Interior Calcareous Cliff					Marg	Marg
Amphibian	Plethodon montanus (Northern Gray-cheeked Salamander)	Southern Appalachian Rocky Summit						Marg
Amphibian	Plethodon richmondi (Ravine Salamander)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg		
Amphibian	Plethodon richmondi (Ravine Salamander)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg		
Amphibian	Plethodon richmondi (Ravine Salamander)	South-Central Interior Mesophytic Forest				Suit		
Amphibian	Plethodon richmondi (Ravine Salamander)	Southern and Central Appalachian Cove Forest				Suit		Suit
Amphibian	Plethodon richmondi (Ravine Salamander)	Southern Appalachian Oak Forest						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Amphibian	Plethodon richmondi (Ravine Salamander)	Southern Appalachian Northern Hardwood Forest						Marg
Amphibian	Plethodon richmondi (Ravine Salamander)	Appalachian (Hemlock)-Northern Hardwood Forest				Pref		Pref
Amphibian	Plethodon richmondi (Ravine Salamander)	Southern Appalachian Montane Cliff and Talus				Suit		Suit
Amphibian	Plethodon shermani (Red-legged Salamander)	Allegheny-Cumberland Dry Oak Forest and Woodland						Marg
Amphibian	Plethodon shermani (Red-legged Salamander)	Southern and Central Appalachian Cove Forest					Suit	Suit
Amphibian	Plethodon shermani (Red-legged Salamander)	Southern Appalachian Oak Forest					Suit	Suit
Amphibian	Plethodon shermani (Red-legged Salamander)	Southern Appalachian Northern Hardwood Forest						Suit
Amphibian	Plethodon shermani (Red-legged Salamander)	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg
Amphibian	Plethodon shermani (Red-legged Salamander)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Amphibian	Plethodon shermani (Red-legged Salamander)	Appalachian (Hemlock)-Northern Hardwood Forest					Pref	Pref
Amphibian	Plethodon shermani (Red-legged Salamander)	Southern and Central Appalachian Bog and Fen					Marg	Marg
Amphibian	Plethodon shermani (Red-legged Salamander)	Southern Appalachian Seepage Wetland						Marg
Amphibian	Plethodon shermani (Red-legged Salamander)	South-Central Interior Small Stream and Riparian					Marg	Marg
Amphibian	Plethodon shermani (Red-legged Salamander)	Southern Appalachian Spray Cliff					Marg	Marg
Amphibian	Plethodon shermani (Red-legged Salamander)	Southern Appalachian Montane Cliff and Talus					Marg	Marg
Amphibian	Plethodon shermani (Red-legged Salamander)	Southern Interior Calcareous Cliff					Marg	Marg
Amphibian	Plethodon shermani (Red-legged Salamander)	Southern Appalachian Rocky Summit						Marg
Amphibian	Plethodon wehrlei (Wehrle's Salamander)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg		
Amphibian	Plethodon wehrlei (Wehrle's Salamander)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg		
Amphibian	Plethodon wehrlei (Wehrle's Salamander)	South-Central Interior Mesophytic Forest				Suit		
Amphibian	Plethodon wehrlei (Wehrle's Salamander)	Southern and Central Appalachian Cove Forest				Suit		
Amphibian	Plethodon wehrlei (Wehrle's Salamander)	Appalachian (Hemlock)-Northern Hardwood Forest				Pref		
Amphibian	Plethodon wehrlei (Wehrle's Salamander)	Cumberland Acidic Cliff and Rockhouse				Marg		
Amphibian	Plethodon wehrlei (Wehrle's Salamander)	Southern Appalachian Montane Cliff and Talus				Suit		
Amphibian	Plethodon welleri (Weller's Salamander)	Southern and Central Appalachian Cove Forest						Suit
Amphibian	Plethodon welleri (Weller's Salamander)	Southern Appalachian Oak Forest						Marg
Amphibian	Plethodon welleri (Weller's Salamander)	Southern Appalachian Northern Hardwood Forest						Marg
Amphibian	Plethodon welleri (Weller's Salamander)	Southern Appalachian Low-Elevation Pine Forest						Marg
Amphibian	Plethodon welleri (Weller's Salamander)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Amphibian	Plethodon welleri (Weller's Salamander)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Amphibian	Plethodon welleri (Weller's Salamander)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Amphibian	Plethodon welleri (Weller's Salamander)	Southern Appalachian Montane Cliff and Talus						Suit
Amphibian	Plethodon yonahlossee (Yonahlossee Salamander)	Southern and Central Appalachian Cove Forest						Suit
Amphibian	Plethodon yonahlossee (Yonahlossee Salamander)	Southern Appalachian Oak Forest						Marg
Amphibian	Plethodon yonahlossee (Yonahlossee Salamander)	Southern Appalachian Northern Hardwood Forest						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Amphibian	Plethodon yonahlossee (Yonahlossee Salamander)	Southern Appalachian Low-Elevation Pine Forest						Marg
Amphibian	Plethodon yonahlossee (Yonahlossee Salamander)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Amphibian	Plethodon yonahlossee (Yonahlossee Salamander)	Central and Southern Appalachian Spruce-Fir Forest						Marg
Amphibian	Plethodon yonahlossee (Yonahlossee Salamander)	Appalachian (Hemlock)-Northern Hardwood Forest						Pref
Amphibian	Plethodon yonahlossee (Yonahlossee Salamander)	Southern Appalachian Montane Cliff and Talus						Suit
Amphibian	Pseudacris brachyphona (Mountain Chorus Frog)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg		
Amphibian	Pseudacris brachyphona (Mountain Chorus Frog)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg		
Amphibian	Pseudacris brachyphona (Mountain Chorus Frog)	South-Central Interior Mesophytic Forest				Suit		
Amphibian	Pseudacris brachyphona (Mountain Chorus Frog)	Southern and Central Appalachian Cove Forest				Suit		Suit
Amphibian	Pseudacris brachyphona (Mountain Chorus Frog)	Southern Appalachian Oak Forest						Marg
Amphibian	Pseudacris brachyphona (Mountain Chorus Frog)	Southern Appalachian Northern Hardwood Forest						Marg
Amphibian	Pseudacris brachyphona (Mountain Chorus Frog)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		Suit
Amphibian	Pseudacris brachyphona (Mountain Chorus Frog)	Cumberland Seepage Forest				Pref		
Amphibian	Pseudacris brachyphona (Mountain Chorus Frog)	Southern and Central Appalachian Bog and Fen						Pref
Amphibian	Pseudacris brachyphona (Mountain Chorus Frog)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Pref		
Amphibian	Pseudacris brachyphona (Mountain Chorus Frog)	Southern Appalachian Seepage Wetland						Pref
Amphibian	Pseudacris brachyphona (Mountain Chorus Frog)	South-Central Interior Small Stream and Riparian				Marg		Marg
Amphibian	Pseudacris brachyphona (Mountain Chorus Frog)	South-Central Interior Large Floodplain				Marg		
Amphibian	Pseudacris brachyphona (Mountain Chorus Frog)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Pseudacris brachyphona (Mountain Chorus Frog)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Pseudacris brachyphona (Mountain Chorus Frog)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Pseudacris brachyphona (Mountain Chorus Frog)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Pseudotriton montanus (Mud Salamander)	Cumberland Seepage Forest				Pref		
Amphibian	Pseudotriton montanus (Mud Salamander)	Southern and Central Appalachian Bog and Fen					Suit	Pref
Amphibian	Pseudotriton montanus (Mud Salamander)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Pref	Pref	
Amphibian	Pseudotriton montanus (Mud Salamander)	Southern Appalachian Seepage Wetland						Suit
Amphibian	Pseudotriton montanus (Mud Salamander)	South-Central Interior Small Stream and Riparian				Suit	Suit	Suit
Amphibian	Pseudotriton montanus (Mud Salamander)	South-Central Interior Large Floodplain				Marg	Marg	Marg
Amphibian	Rana capito (Carolina Gopher Frog)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Amphibian	Rana capito (Carolina Gopher Frog)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Amphibian	Rana capito (Carolina Gopher Frog)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Amphibian	Rana capito (Carolina Gopher Frog)	South-Central Interior / Upper Coastal Plain Flatwoods		Pref				
Amphibian	Rana capito (Carolina Gopher Frog)	South-Central Interior Mesophytic Forest		Suit	Suit			

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Amphibian	<i>Rana capito</i> (Carolina Gopher Frog)	Southern Appalachian Low-Elevation Pine Forest			Suit			
Amphibian	<i>Rana capito</i> (Carolina Gopher Frog)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Amphibian	<i>Rana capito</i> (Carolina Gopher Frog)	Mississippi River High Floodplain (Bottomland) Forest	Suit					
Amphibian	<i>Rana capito</i> (Carolina Gopher Frog)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Amphibian	<i>Rana capito</i> (Carolina Gopher Frog)	Mississippi River Riparian Forest	Suit					
Amphibian	<i>Rana capito</i> (Carolina Gopher Frog)	East Gulf Coastal Plain Large River Floodplain Forest		Marg				
Amphibian	<i>Rana capito</i> (Carolina Gopher Frog)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Amphibian	<i>Rana capito</i> (Carolina Gopher Frog)	East Gulf Coastal Plain Northern Seepage Swamp		Pref				
Amphibian	<i>Rana capito</i> (Carolina Gopher Frog)	Mississippi River Bottomland Depression	Pref					
Amphibian	<i>Rana capito</i> (Carolina Gopher Frog)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Pref				
Amphibian	<i>Rana capito</i> (Carolina Gopher Frog)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref			
Amphibian	<i>Rana capito</i> (Carolina Gopher Frog)	Interior Low Plateau Seepage Fen			Suit			
Arachnid	<i>Microhexura montivaga</i> (Spruce-fir Moss Spider)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Arachnid	<i>Microhexura montivaga</i> (Spruce-fir Moss Spider)	Appalachian (Hemlock)-Northern Hardwood Forest						Marg
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Limestone Forest		Suit				
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Southern Appalachian Oak Forest					Suit	Suit
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Southern Appalachian Northern Hardwood Forest						Suit
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Mississippi River Riparian Forest	Suit					
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Cumberland Riverscour				Suit		
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Cumberland Seepage Forest				Suit		
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Mississippi River Bottomland Depression	Suit					
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Interior Low Plateau Seepage Fen			Suit			
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Southern Appalachian Seepage Wetland						Suit
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Southern Interior Sinkhole Wall						Suit
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bat	<i>Corynorhinus rafinesquii</i> (Rafinesque's Big-eared Bat)	Edifice / Other Man-made Structure	Suit	Suit	Suit	Suit	Suit	Suit
Bat	<i>Corynorhinus townsendii virginianus</i> (Virginia Big-eared Bat)	Southern and Central Appalachian Cove Forest						Suit
Bat	<i>Corynorhinus townsendii virginianus</i> (Virginia Big-eared Bat)	Southern Appalachian Oak Forest						Suit
Bat	<i>Corynorhinus townsendii virginianus</i> (Virginia Big-eared Bat)	Southern Appalachian Northern Hardwood Forest						Suit
Bat	<i>Corynorhinus townsendii virginianus</i> (Virginia Big-eared Bat)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Bat	<i>Corynorhinus townsendii virginianus</i> (Virginia Big-eared Bat)	Edifice / Other Man-made Structure	Suit	Suit	Suit	Suit	Suit	Suit
Bat	<i>Myotis austroriparius</i> (Southeastern Bat)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bat	<i>Myotis austroriparius</i> (Southeastern Bat)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bat	<i>Myotis austroriparius</i> (Southeastern Bat)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Bat	<i>Myotis austroriparius</i> (Southeastern Bat)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Bat	<i>Myotis austroriparius</i> (Southeastern Bat)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Bat	<i>Myotis austroriparius</i> (Southeastern Bat)	East Gulf Coastal Plain Limestone Forest		Marg				
Bat	<i>Myotis austroriparius</i> (Southeastern Bat)	South-Central Interior Mesophytic Forest		Suit				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bat	Myotis austroriparius (Southeastern Bat)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Bat	Myotis austroriparius (Southeastern Bat)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Bat	Myotis austroriparius (Southeastern Bat)	Mississippi River Riparian Forest	Pref					
Bat	Myotis austroriparius (Southeastern Bat)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Bat	Myotis austroriparius (Southeastern Bat)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				
Bat	Myotis austroriparius (Southeastern Bat)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Bat	Myotis austroriparius (Southeastern Bat)	Mississippi River Bottomland Depression	Pref					
Bat	Myotis austroriparius (Southeastern Bat)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bat	Myotis austroriparius (Southeastern Bat)	South-Central Interior Small Stream and Riparian		Suit				
Bat	Myotis austroriparius (Southeastern Bat)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Bat	Myotis austroriparius (Southeastern Bat)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Myotis austroriparius (Southeastern Bat)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Myotis austroriparius (Southeastern Bat)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Myotis austroriparius (Southeastern Bat)	Edifice / Other Man-made Structure	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Myotis grisescens (Gray Bat)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Bat	Myotis grisescens (Gray Bat)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Bat	Myotis grisescens (Gray Bat)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Bat	Myotis grisescens (Gray Bat)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bat	Myotis grisescens (Gray Bat)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Bat	Myotis grisescens (Gray Bat)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Bat	Myotis grisescens (Gray Bat)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Bat	Myotis grisescens (Gray Bat)	East Gulf Coastal Plain Limestone Forest		Suit				
Bat	Myotis grisescens (Gray Bat)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Bat	Myotis grisescens (Gray Bat)	Southern and Central Appalachian Cove Forest				Suit	Suit	
Bat	Myotis grisescens (Gray Bat)	Southern Appalachian Oak Forest					Suit	
Bat	Myotis grisescens (Gray Bat)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	
Bat	Myotis grisescens (Gray Bat)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	
Bat	Myotis grisescens (Gray Bat)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Bat	Myotis grisescens (Gray Bat)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	
Bat	Myotis grisescens (Gray Bat)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Bat	Myotis grisescens (Gray Bat)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bat	Myotis grisescens (Gray Bat)	Cumberland Riverscour				Suit		

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bat	Myotis grisescens (Gray Bat)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Bat	Myotis grisescens (Gray Bat)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	
Bat	Myotis grisescens (Gray Bat)	South-Central Interior Large Floodplain			Pref	Pref	Pref	
Bat	Myotis grisescens (Gray Bat)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Myotis grisescens (Gray Bat)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Myotis grisescens (Gray Bat)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bat	Myotis leibii (Eastern Small-footed Bat)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Bat	Myotis leibii (Eastern Small-footed Bat)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bat	Myotis leibii (Eastern Small-footed Bat)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Bat	Myotis leibii (Eastern Small-footed Bat)	South-Central Interior Mesophytic Forest			Suit	Suit	Suit	
Bat	Myotis leibii (Eastern Small-footed Bat)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bat	Myotis leibii (Eastern Small-footed Bat)	Southern Appalachian Oak Forest					Suit	Suit
Bat	Myotis leibii (Eastern Small-footed Bat)	Southern Appalachian Northern Hardwood Forest						Suit
Bat	Myotis leibii (Eastern Small-footed Bat)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Bat	Myotis leibii (Eastern Small-footed Bat)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Bat	Myotis leibii (Eastern Small-footed Bat)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Bat	Myotis leibii (Eastern Small-footed Bat)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Bat	Myotis leibii (Eastern Small-footed Bat)	Cumberland Riverscour				Suit		
Bat	Myotis leibii (Eastern Small-footed Bat)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Bat	Myotis leibii (Eastern Small-footed Bat)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Bat	Myotis leibii (Eastern Small-footed Bat)	Southern Appalachian Seepage Wetland						Suit
Bat	Myotis leibii (Eastern Small-footed Bat)	South-Central Interior Small Stream and Riparian			Suit	Suit	Suit	Suit
Bat	Myotis leibii (Eastern Small-footed Bat)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Bat	Myotis leibii (Eastern Small-footed Bat)	Central Interior Acidic Cliff and Talus			Suit			
Bat	Myotis leibii (Eastern Small-footed Bat)	Central Interior Calcareous Cliff and Talus			Suit			
Bat	Myotis leibii (Eastern Small-footed Bat)	Cumberland Acidic Cliff and Rockhouse				Suit	Suit	
Bat	Myotis leibii (Eastern Small-footed Bat)	Southern Appalachian Montane Cliff and Talus				Suit	Suit	Suit
Bat	Myotis leibii (Eastern Small-footed Bat)	Southern Interior Calcareous Cliff					Suit	Suit
Bat	Myotis leibii (Eastern Small-footed Bat)	Southern Interior Sinkhole Wall			Suit		Suit	Suit
Bat	Myotis leibii (Eastern Small-footed Bat)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Myotis leibii (Eastern Small-footed Bat)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Myotis leibii (Eastern Small-footed Bat)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Myotis leibii (Eastern Small-footed Bat)	Edifice / Other Man-made Structure	Marg	Marg	Marg	Marg	Marg	Marg
Bat	Myotis lucifugus (Little Brown Bat)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Pref			
Bat	Myotis lucifugus (Little Brown Bat)	Southern Ridge and Valley / Cumberland Dry Calcareous				Pref	Pref	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bat	Myotis lucifugus (Little Brown Bat)	Edifice / Other Man-made Structure	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Myotis septentrionalis (Northern Myotis)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Bat	Myotis septentrionalis (Northern Myotis)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bat	Myotis septentrionalis (Northern Myotis)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Bat	Myotis septentrionalis (Northern Myotis)	South-Central Interior Mesophytic Forest			Suit	Suit	Suit	
Bat	Myotis septentrionalis (Northern Myotis)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bat	Myotis septentrionalis (Northern Myotis)	Southern Appalachian Oak Forest					Suit	Suit
Bat	Myotis septentrionalis (Northern Myotis)	Southern Appalachian Northern Hardwood Forest						Suit
Bat	Myotis septentrionalis (Northern Myotis)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Bat	Myotis septentrionalis (Northern Myotis)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Bat	Myotis septentrionalis (Northern Myotis)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Bat	Myotis septentrionalis (Northern Myotis)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Bat	Myotis septentrionalis (Northern Myotis)	Southern and Central Appalachian Bog and Fen					Marg	Marg
Bat	Myotis septentrionalis (Northern Myotis)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Bat	Myotis septentrionalis (Northern Myotis)	South-Central Interior Small Stream and Riparian			Pref	Pref	Pref	Pref
Bat	Myotis septentrionalis (Northern Myotis)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Bat	Myotis septentrionalis (Northern Myotis)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bat	Myotis septentrionalis (Northern Myotis)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Myotis sodalis (Indiana Bat)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Bat	Myotis sodalis (Indiana Bat)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Bat	Myotis sodalis (Indiana Bat)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Bat	Myotis sodalis (Indiana Bat)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bat	Myotis sodalis (Indiana Bat)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Bat	Myotis sodalis (Indiana Bat)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bat	Myotis sodalis (Indiana Bat)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Bat	Myotis sodalis (Indiana Bat)	South-Central Interior Mesophytic Forest			Suit	Suit	Suit	
Bat	Myotis sodalis (Indiana Bat)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bat	Myotis sodalis (Indiana Bat)	Southern Appalachian Oak Forest					Suit	Suit
Bat	Myotis sodalis (Indiana Bat)	Southern Appalachian Northern Hardwood Forest						Suit
Bat	Myotis sodalis (Indiana Bat)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Bat	Myotis sodalis (Indiana Bat)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Bat	Myotis sodalis (Indiana Bat)	Central and Southern Appalachian Spruce-Fir Forest						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bat	Myotis sodalis (Indiana Bat)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Bat	Myotis sodalis (Indiana Bat)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Bat	Myotis sodalis (Indiana Bat)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bat	Myotis sodalis (Indiana Bat)	Southern and Central Appalachian Bog and Fen					Marg	Marg
Bat	Myotis sodalis (Indiana Bat)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Bat	Myotis sodalis (Indiana Bat)	South-Central Interior Small Stream and Riparian			Pref	Pref	Pref	Pref
Bat	Myotis sodalis (Indiana Bat)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Bat	Myotis sodalis (Indiana Bat)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bat	Myotis sodalis (Indiana Bat)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Perimyotis subflavus (Tri-colored Bat)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Bat	Perimyotis subflavus (Tri-colored Bat)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Bat	Perimyotis subflavus (Tri-colored Bat)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Pref			
Bat	Perimyotis subflavus (Tri-colored Bat)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Pref	Pref	
Bat	Perimyotis subflavus (Tri-colored Bat)	Allegheny-Cumberland Dry Oak Forest and Woodland				Pref	Pref	Pref
Bat	Perimyotis subflavus (Tri-colored Bat)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bat	Perimyotis subflavus (Tri-colored Bat)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Bat	Perimyotis subflavus (Tri-colored Bat)	South-Central Interior / Upper Coastal Plain Flatwoods		Pref				
Bat	Perimyotis subflavus (Tri-colored Bat)	East Gulf Coastal Plain Limestone Forest		Suit				
Bat	Perimyotis subflavus (Tri-colored Bat)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Pref	
Bat	Perimyotis subflavus (Tri-colored Bat)	Southern and Central Appalachian Cove Forest				Pref	Pref	Pref
Bat	Perimyotis subflavus (Tri-colored Bat)	Southern Appalachian Oak Forest					Pref	Pref
Bat	Perimyotis subflavus (Tri-colored Bat)	Southern Appalachian Northern Hardwood Forest						Pref
Bat	Perimyotis subflavus (Tri-colored Bat)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Bat	Perimyotis subflavus (Tri-colored Bat)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Bat	Perimyotis subflavus (Tri-colored Bat)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Bat	Perimyotis subflavus (Tri-colored Bat)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Bat	Perimyotis subflavus (Tri-colored Bat)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Bat	Perimyotis subflavus (Tri-colored Bat)	Mississippi River High Floodplain (Bottomland) Forest	Suit					
Bat	Perimyotis subflavus (Tri-colored Bat)	Mississippi River Low Floodplain (Bottomland) Forest	Marg					
Bat	Perimyotis subflavus (Tri-colored Bat)	Mississippi River Riparian Forest	Suit					
Bat	Perimyotis subflavus (Tri-colored Bat)	East Gulf Coastal Plain Large River Floodplain Forest		Marg				
Bat	Perimyotis subflavus (Tri-colored Bat)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Marg				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bat	Perimyotis subflavus (Tri-colored Bat)	East Gulf Coastal Plain Northern Seepage Swamp		Marg				
Bat	Perimyotis subflavus (Tri-colored Bat)	Cumberland Seepage Forest				Suit		
Bat	Perimyotis subflavus (Tri-colored Bat)	Southern and Central Appalachian Bog and Fen					Marg	Marg
Bat	Perimyotis subflavus (Tri-colored Bat)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bat	Perimyotis subflavus (Tri-colored Bat)	Interior Low Plateau Seepage Fen			Suit			
Bat	Perimyotis subflavus (Tri-colored Bat)	Southern Appalachian Seepage Wetland						Suit
Bat	Perimyotis subflavus (Tri-colored Bat)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Bat	Perimyotis subflavus (Tri-colored Bat)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Bat	Perimyotis subflavus (Tri-colored Bat)	Central Interior Acidic Cliff and Talus			Suit			
Bat	Perimyotis subflavus (Tri-colored Bat)	Central Interior Calcareous Cliff and Talus			Suit			
Bat	Perimyotis subflavus (Tri-colored Bat)	Cumberland Acidic Cliff and Rockhouse				Suit	Suit	
Bat	Perimyotis subflavus (Tri-colored Bat)	Southern Appalachian Montane Cliff and Talus				Suit	Suit	Suit
Bat	Perimyotis subflavus (Tri-colored Bat)	Southern Interior Calcareous Cliff					Suit	Suit
Bat	Perimyotis subflavus (Tri-colored Bat)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bat	Perimyotis subflavus (Tri-colored Bat)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Bat	Perimyotis subflavus (Tri-colored Bat)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Perimyotis subflavus (Tri-colored Bat)	Edifice / Other Man-made Structure	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Bird	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Bird	Accipiter striatus (Sharp-shinned Hawk)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Bird	Accipiter striatus (Sharp-shinned Hawk)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bird	Accipiter striatus (Sharp-shinned Hawk)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Bird	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bird	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Bird	Accipiter striatus (Sharp-shinned Hawk)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Bird	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Limestone Forest		Suit				
Bird	Accipiter striatus (Sharp-shinned Hawk)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Bird	Accipiter striatus (Sharp-shinned Hawk)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bird	Accipiter striatus (Sharp-shinned Hawk)	Southern Appalachian Oak Forest					Suit	Suit
Bird	Accipiter striatus (Sharp-shinned Hawk)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Accipiter striatus (Sharp-shinned Hawk)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Bird	Accipiter striatus (Sharp-shinned Hawk)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Bird	Accipiter striatus (Sharp-shinned Hawk)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Bird	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	<i>Accipiter striatus</i> (Sharp-shinned Hawk)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Aegolius acadicus</i> (Northern Saw-whet Owl)	Southern and Central Appalachian Cove Forest						Suit
Bird	<i>Aegolius acadicus</i> (Northern Saw-whet Owl)	Southern Appalachian Oak Forest						Suit
Bird	<i>Aegolius acadicus</i> (Northern Saw-whet Owl)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	<i>Aegolius acadicus</i> (Northern Saw-whet Owl)	Southern Appalachian Low-Elevation Pine Forest						Marg
Bird	<i>Aegolius acadicus</i> (Northern Saw-whet Owl)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Bird	<i>Aegolius acadicus</i> (Northern Saw-whet Owl)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Bird	<i>Aegolius acadicus</i> (Northern Saw-whet Owl)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Bird	<i>Ammodramus henslowii</i> (Henslow's Sparrow)	Central Interior Highlands Dry Acidic Glade and Barrens			Suit			
Bird	<i>Ammodramus henslowii</i> (Henslow's Sparrow)	Appalachian Shale Barrens				Marg		
Bird	<i>Ammodramus henslowii</i> (Henslow's Sparrow)	Central Interior Highlands Calcareous Glade and Barrens			Suit	Suit		
Bird	<i>Ammodramus henslowii</i> (Henslow's Sparrow)	Nashville Basin Limestone Glade and Woodland			Suit			
Bird	<i>Ammodramus henslowii</i> (Henslow's Sparrow)	Cumberland Sandstone Glade and Barrens				Suit		
Bird	<i>Ammodramus henslowii</i> (Henslow's Sparrow)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	<i>Ammodramus henslowii</i> (Henslow's Sparrow)	Western Highland Rim Prairie and Barrens			Pref			
Bird	<i>Ammodramus henslowii</i> (Henslow's Sparrow)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	<i>Ammodramus henslowii</i> (Henslow's Sparrow)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Ammodramus henslowii</i> (Henslow's Sparrow)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Ammodramus henslowii</i> (Henslow's Sparrow)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Ammodramus henslowii</i> (Henslow's Sparrow)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Ammodramus henslowii</i> (Henslow's Sparrow)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Ammodramus leconteii</i> (LeConte's Sparrow)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Marg				
Bird	<i>Ammodramus leconteii</i> (LeConte's Sparrow)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Marg				
Bird	<i>Ammodramus leconteii</i> (LeConte's Sparrow)	Pennyroyal Karst Plain Prairie and Barrens			Marg			
Bird	<i>Ammodramus leconteii</i> (LeConte's Sparrow)	Western Highland Rim Prairie and Barrens			Marg			
Bird	<i>Ammodramus leconteii</i> (LeConte's Sparrow)	Eastern Highland Rim Prairie and Barrens			Marg			
Bird	<i>Ammodramus leconteii</i> (LeConte's Sparrow)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Bird	<i>Ammodramus leconteii</i> (LeConte's Sparrow)	Southern Ridge and Valley Patch Prairie					Suit	
Bird	<i>Ammodramus leconteii</i> (LeConte's Sparrow)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Ammodramus leconteii</i> (LeConte's Sparrow)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Ammodramus savannarum</i> (Grasshopper Sparrow)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit			
Bird	<i>Ammodramus savannarum</i> (Grasshopper Sparrow)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit	Suit	Suit	
Bird	<i>Ammodramus savannarum</i> (Grasshopper Sparrow)	Nashville Basin Limestone Glade and Woodland			Suit			
Bird	<i>Ammodramus savannarum</i> (Grasshopper Sparrow)	Cumberland Sandstone Glade and Barrens				Marg		

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	<i>Ammodramus savannarum</i> (Grasshopper Sparrow)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Bird	<i>Ammodramus savannarum</i> (Grasshopper Sparrow)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Bird	<i>Ammodramus savannarum</i> (Grasshopper Sparrow)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
Bird	<i>Ammodramus savannarum</i> (Grasshopper Sparrow)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	<i>Ammodramus savannarum</i> (Grasshopper Sparrow)	Western Highland Rim Prairie and Barrens			Pref			
Bird	<i>Ammodramus savannarum</i> (Grasshopper Sparrow)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	<i>Ammodramus savannarum</i> (Grasshopper Sparrow)	Southern Ridge and Valley Patch Prairie					Pref	
Bird	<i>Ammodramus savannarum</i> (Grasshopper Sparrow)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Ammodramus savannarum</i> (Grasshopper Sparrow)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Ammodramus savannarum</i> (Grasshopper Sparrow)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Ammodramus savannarum</i> (Grasshopper Sparrow)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Ammodramus savannarum</i> (Grasshopper Sparrow)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Anas rubripes</i> (American Black Duck)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Anas rubripes</i> (American Black Duck)	Converted Wetland (Lacustrine)	Pref	Pref	Pref	Pref	Pref	Pref
Bird	<i>Anas rubripes</i> (American Black Duck)	Converted Wetland (Riverine)	Pref	Pref	Pref	Pref	Pref	Pref
Bird	<i>Anas rubripes</i> (American Black Duck)	Converted Wetland (Palustrine)	Pref	Pref	Pref	Pref	Pref	Pref
Bird	<i>Anas rubripes</i> (American Black Duck)	Large River	Pref	Pref	Pref	Pref	Pref	Pref
Bird	<i>Anas rubripes</i> (American Black Duck)	Medium River	Pref	Pref	Pref	Pref	Pref	Pref
Bird	<i>Anas rubripes</i> (American Black Duck)	Small River	Pref	Pref	Pref	Pref	Pref	Pref
Bird	<i>Anas rubripes</i> (American Black Duck)	Lake	Pref	Pref	Pref	Pref	Pref	Pref
Bird	<i>Anas rubripes</i> (American Black Duck)	Channelized River / Stream	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Aquila chrysaetos</i> (Golden Eagle)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bird	<i>Aquila chrysaetos</i> (Golden Eagle)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	Suit
Bird	<i>Aquila chrysaetos</i> (Golden Eagle)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Bird	<i>Aquila chrysaetos</i> (Golden Eagle)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bird	<i>Aquila chrysaetos</i> (Golden Eagle)	Southern Appalachian Oak Forest					Suit	Suit
Bird	<i>Aquila chrysaetos</i> (Golden Eagle)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Bird	<i>Aquila chrysaetos</i> (Golden Eagle)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Bird	<i>Aquila chrysaetos</i> (Golden Eagle)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Bird	<i>Aquila chrysaetos</i> (Golden Eagle)	Central Interior Highlands Calcareous Glade and Barrens		Marg	Marg	Marg	Marg	
Bird	<i>Aquila chrysaetos</i> (Golden Eagle)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Bird	<i>Aquila chrysaetos</i> (Golden Eagle)	Southern Ridge and Valley Patch Prairie					Suit	
Bird	<i>Aquila chrysaetos</i> (Golden Eagle)	Cumberland Acidic Cliff and Rockhouse				Suit	Suit	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	<i>Calidris canutus</i> (Red Knot)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Calidris canutus</i> (Red Knot)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Calidris canutus</i> (Red Knot)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Calidris himantopus</i> (Stilt Sandpiper)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Bird	<i>Calidris himantopus</i> (Stilt Sandpiper)	Mississippi River Riparian Forest	Pref					
Bird	<i>Calidris himantopus</i> (Stilt Sandpiper)	Mississippi River Bottomland Depression	Suit					
Bird	<i>Calidris himantopus</i> (Stilt Sandpiper)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Calidris himantopus</i> (Stilt Sandpiper)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Calidris himantopus</i> (Stilt Sandpiper)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Calidris himantopus</i> (Stilt Sandpiper)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Calidris himantopus</i> (Stilt Sandpiper)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Calidris himantopus</i> (Stilt Sandpiper)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Calidris himantopus</i> (Stilt Sandpiper)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Calidris himantopus</i> (Stilt Sandpiper)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Calidris mauri</i> (Western Sandpiper)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	<i>Calidris mauri</i> (Western Sandpiper)	Mississippi River Riparian Forest	Suit					
Bird	<i>Calidris mauri</i> (Western Sandpiper)	Mississippi River Bottomland Depression	Pref					
Bird	<i>Calidris mauri</i> (Western Sandpiper)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Calidris mauri</i> (Western Sandpiper)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Calidris mauri</i> (Western Sandpiper)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Calidris mauri</i> (Western Sandpiper)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Calidris mauri</i> (Western Sandpiper)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Calidris mauri</i> (Western Sandpiper)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Calidris mauri</i> (Western Sandpiper)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Calidris pusilla</i> (Semipalmated Sandpiper)	Mississippi River Bottomland Depression	Suit					
Bird	<i>Calidris pusilla</i> (Semipalmated Sandpiper)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	<i>Calidris pusilla</i> (Semipalmated Sandpiper)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Bird	<i>Calidris pusilla</i> (Semipalmated Sandpiper)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Calidris pusilla</i> (Semipalmated Sandpiper)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Calidris pusilla</i> (Semipalmated Sandpiper)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Calidris pusilla</i> (Semipalmated Sandpiper)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Caprimulgus carolinensis</i> (Chuck-will's-widow)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Bird	<i>Caprimulgus carolinensis</i> (Chuck-will's-widow)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	East Gulf Coastal Plain Limestone Forest		Suit				
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	South-Central Interior Mesophytic Forest		Suit	Suit		Suit	
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Southern and Central Appalachian Cove Forest					Suit	Suit
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Southern Appalachian Oak Forest					Suit	Suit
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Southern Appalachian Low-Elevation Pine Forest			Suit		Suit	Suit
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Southern Appalachian Montane Pine Forest and Woodland					Suit	Suit
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	Suit
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit			
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit		Suit	
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Nashville Basin Limestone Glade and Woodland			Suit			
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Southern and Central Appalachian Mafic Glade and Barrens						Suit
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Western Highland Rim Prairie and Barrens			Suit			
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Eastern Highland Rim Prairie and Barrens			Suit			
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Southern Ridge and Valley Patch Prairie					Suit	
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Caprimulgus vociferus (Whip-poor-will)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Caprimulgus vociferus (Whip-poor-will)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Cardellina canadensis (Canada Warbler)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Bird	Cardellina canadensis (Canada Warbler)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bird	Cardellina canadensis (Canada Warbler)	Southern Appalachian Oak Forest						Marg
Bird	Cardellina canadensis (Canada Warbler)	Southern Appalachian Northern Hardwood Forest						Pref
Bird	Cardellina canadensis (Canada Warbler)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Bird	Cardellina canadensis (Canada Warbler)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Pref
Bird	Certhia americana (Brown Creeper)	Southern and Central Appalachian Cove Forest						Marg
Bird	Certhia americana (Brown Creeper)	Southern Appalachian Oak Forest						Suit
Bird	Certhia americana (Brown Creeper)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Certhia americana (Brown Creeper)	Southern Appalachian Low-Elevation Pine Forest						Marg
Bird	Certhia americana (Brown Creeper)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Bird	Certhia americana (Brown Creeper)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Bird	Certhia americana (Brown Creeper)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Bird	Chaetura pelagica (Chimney Swift)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bird	Chaetura pelagica (Chimney Swift)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bird	Chaetura pelagica (Chimney Swift)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	Chaetura pelagica (Chimney Swift)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Bird	Chaetura pelagica (Chimney Swift)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	Marg
Bird	Chaetura pelagica (Chimney Swift)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bird	Chaetura pelagica (Chimney Swift)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Bird	Chaetura pelagica (Chimney Swift)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Bird	Chaetura pelagica (Chimney Swift)	East Gulf Coastal Plain Limestone Forest		Marg				
Bird	Chaetura pelagica (Chimney Swift)	South-Central Interior Mesophytic Forest		Marg	Marg	Marg	Marg	
Bird	Chaetura pelagica (Chimney Swift)	Southern and Central Appalachian Cove Forest				Marg	Marg	Marg
Bird	Chaetura pelagica (Chimney Swift)	Southern Appalachian Oak Forest					Marg	Marg
Bird	Chaetura pelagica (Chimney Swift)	Southern Appalachian Northern Hardwood Forest						Marg
Bird	Chaetura pelagica (Chimney Swift)	Mississippi River High Floodplain (Bottomland) Forest	Pref					
Bird	Chaetura pelagica (Chimney Swift)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Bird	Chaetura pelagica (Chimney Swift)	Mississippi River Riparian Forest	Pref					
Bird	Chaetura pelagica (Chimney Swift)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Bird	Chaetura pelagica (Chimney Swift)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Charadrius wilsonia (Wilson's Plover)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Charadrius wilsonia (Wilson's Plover)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Chordeiles minor (Common Nighthawk)	Central Interior Highlands Dry Acidic Glade and Barrens		Pref	Pref			
Bird	Chordeiles minor (Common Nighthawk)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit	Suit	Suit	
Bird	Chordeiles minor (Common Nighthawk)	Nashville Basin Limestone Glade and Woodland			Pref			
Bird	Chordeiles minor (Common Nighthawk)	Cumberland Sandstone Glade and Barrens				Pref		
Bird	Chordeiles minor (Common Nighthawk)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Pref	
Bird	Chordeiles minor (Common Nighthawk)	Central Appalachian Alkaline Glade and Woodland					Pref	
Bird	Chordeiles minor (Common Nighthawk)	Southern and Central Appalachian Mafic Glade and Barrens						Pref
Bird	Chordeiles minor (Common Nighthawk)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Bird	Chordeiles minor (Common Nighthawk)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Bird	Chordeiles minor (Common Nighthawk)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	Chordeiles minor (Common Nighthawk)	Western Highland Rim Prairie and Barrens			Pref			
Bird	Chordeiles minor (Common Nighthawk)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	Chordeiles minor (Common Nighthawk)	Cumberland Wet-Mesic Meadow and Savanna				Marg		
Bird	Chordeiles minor (Common Nighthawk)	Southern Ridge and Valley Patch Prairie					Marg	
Bird	Chordeiles minor (Common Nighthawk)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Chordeiles minor (Common Nighthawk)	Edifice / Other Man-made Structure	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Chordeiles minor (Common Nighthawk)	Low Intensity Developed	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Chordeiles minor (Common Nighthawk)	Medium Intensity Developed	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Chordeiles minor (Common Nighthawk)	High Intensity Developed	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Circus cyaneus (Northern Harrier)	Central Interior Highlands Dry Acidic Glade and Barrens			Suit			
Bird	Circus cyaneus (Northern Harrier)	Central Interior Highlands Calcareous Glade and Barrens			Suit			
Bird	Circus cyaneus (Northern Harrier)	Nashville Basin Limestone Glade and Woodland			Suit			
Bird	Circus cyaneus (Northern Harrier)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	Circus cyaneus (Northern Harrier)	Western Highland Rim Prairie and Barrens			Pref			
Bird	Circus cyaneus (Northern Harrier)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	Circus cyaneus (Northern Harrier)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Bird	Circus cyaneus (Northern Harrier)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Circus cyaneus (Northern Harrier)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Circus cyaneus (Northern Harrier)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Circus cyaneus (Northern Harrier)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Circus cyaneus (Northern Harrier)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Cistothorus platensis (Sedge Wren)	Central Interior Highlands Dry Acidic Glade and Barrens			Suit			

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	<i>Cistothorus platensis</i> (Sedge Wren)	Central Interior Highlands Calcareous Glade and Barrens			Suit			
Bird	<i>Cistothorus platensis</i> (Sedge Wren)	Nashville Basin Limestone Glade and Woodland			Suit			
Bird	<i>Cistothorus platensis</i> (Sedge Wren)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	<i>Cistothorus platensis</i> (Sedge Wren)	Western Highland Rim Prairie and Barrens			Pref			
Bird	<i>Cistothorus platensis</i> (Sedge Wren)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	<i>Cistothorus platensis</i> (Sedge Wren)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref			
Bird	<i>Cistothorus platensis</i> (Sedge Wren)	Interior Low Plateau Seepage Fen			Suit			
Bird	<i>Cistothorus platensis</i> (Sedge Wren)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Cistothorus platensis</i> (Sedge Wren)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Cistothorus platensis</i> (Sedge Wren)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	Marg
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	East Gulf Coastal Plain Limestone Forest		Marg				
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Southern Appalachian Oak Forest					Marg	Marg
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Marg	Marg
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit			
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit	Suit	Suit	
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Nashville Basin Limestone Glade and Woodland			Marg			
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Cumberland Sandstone Glade and Barrens				Marg		
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Central Appalachian Alkaline Glade and Woodland					Marg	
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Southern and Central Appalachian Mafic Glade and Barrens						Marg
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Western Highland Rim Prairie and Barrens			Pref			

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Southern Ridge and Valley Patch Prairie					Suit	
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Southern Appalachian Grass and Shrub Bald						Suit
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Old Field / Successional	Pref	Pref	Pref	Pref	Pref	Pref
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Colinus virginianus</i> (Northern Bobwhite)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Contopus cooperi</i> (Olive-sided Flycatcher)	Southern and Central Appalachian Cove Forest						Suit
Bird	<i>Contopus cooperi</i> (Olive-sided Flycatcher)	Southern Appalachian Oak Forest						Marg
Bird	<i>Contopus cooperi</i> (Olive-sided Flycatcher)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	<i>Contopus cooperi</i> (Olive-sided Flycatcher)	Southern Appalachian Low-Elevation Pine Forest						Marg
Bird	<i>Contopus cooperi</i> (Olive-sided Flycatcher)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Bird	<i>Contopus cooperi</i> (Olive-sided Flycatcher)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Bird	<i>Contopus cooperi</i> (Olive-sided Flycatcher)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Bird	<i>Contopus cooperi</i> (Olive-sided Flycatcher)	Southern Appalachian Grass and Shrub Bald						Marg
Bird	<i>Contopus cooperi</i> (Olive-sided Flycatcher)	Southern and Central Appalachian Bog and Fen						Suit
Bird	<i>Contopus cooperi</i> (Olive-sided Flycatcher)	Southern Appalachian Seepage Wetland						Suit
Bird	<i>Egretta caerulea</i> (Little Blue Heron)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	<i>Egretta caerulea</i> (Little Blue Heron)	Mississippi River Riparian Forest	Suit					
Bird	<i>Egretta caerulea</i> (Little Blue Heron)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Bird	<i>Egretta caerulea</i> (Little Blue Heron)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	<i>Egretta caerulea</i> (Little Blue Heron)	East Gulf Coastal Plain Northern Seepage Swamp		Pref				
Bird	<i>Egretta caerulea</i> (Little Blue Heron)	Mississippi River Bottomland Depression	Pref					
Bird	<i>Egretta caerulea</i> (Little Blue Heron)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	<i>Egretta caerulea</i> (Little Blue Heron)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref			
Bird	<i>Egretta caerulea</i> (Little Blue Heron)	Interior Low Plateau Seepage Fen			Suit			
Bird	<i>Egretta caerulea</i> (Little Blue Heron)	South-Central Interior Small Stream and Riparian		Suit	Pref			
Bird	<i>Egretta caerulea</i> (Little Blue Heron)	South-Central Interior Large Floodplain			Suit			
Bird	<i>Egretta caerulea</i> (Little Blue Heron)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Egretta caerulea</i> (Little Blue Heron)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Egretta caerulea</i> (Little Blue Heron)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Empidonax alnorum</i> (Alder Flycatcher)	Southern and Central Appalachian Cove Forest						Suit
Bird	<i>Empidonax alnorum</i> (Alder Flycatcher)	Southern Appalachian Oak Forest						Marg
Bird	<i>Empidonax alnorum</i> (Alder Flycatcher)	Southern Appalachian Northern Hardwood Forest						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Empidonax alnorum (Alder Flycatcher)	Southern Appalachian Low-Elevation Pine Forest						Marg
Bird	Empidonax alnorum (Alder Flycatcher)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Bird	Empidonax alnorum (Alder Flycatcher)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Bird	Empidonax alnorum (Alder Flycatcher)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Bird	Empidonax alnorum (Alder Flycatcher)	Southern Appalachian Grass and Shrub Bald						Suit
Bird	Empidonax alnorum (Alder Flycatcher)	Southern and Central Appalachian Bog and Fen						Suit
Bird	Empidonax alnorum (Alder Flycatcher)	Southern Appalachian Seepage Wetland						Suit
Bird	Empidonax alnorum (Alder Flycatcher)	South-Central Interior Small Stream and Riparian						Suit
Bird	Empidonax minimus (Least Flycatcher)	Southern and Central Appalachian Cove Forest						Suit
Bird	Empidonax minimus (Least Flycatcher)	Southern Appalachian Oak Forest						Suit
Bird	Empidonax minimus (Least Flycatcher)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Empidonax minimus (Least Flycatcher)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Bird	Empidonax minimus (Least Flycatcher)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Empidonax minimus (Least Flycatcher)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Empidonax minimus (Least Flycatcher)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Empidonax minimus (Least Flycatcher)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Empidonax traillii (Willow Flycatcher)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bird	Empidonax traillii (Willow Flycatcher)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bird	Empidonax traillii (Willow Flycatcher)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	Empidonax traillii (Willow Flycatcher)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Bird	Empidonax traillii (Willow Flycatcher)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	Marg
Bird	Empidonax traillii (Willow Flycatcher)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Bird	Empidonax traillii (Willow Flycatcher)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Marg				
Bird	Empidonax traillii (Willow Flycatcher)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
Bird	Empidonax traillii (Willow Flycatcher)	East Gulf Coastal Plain Limestone Forest		Marg				
Bird	Empidonax traillii (Willow Flycatcher)	South-Central Interior Mesophytic Forest		Marg	Marg	Marg	Marg	
Bird	Empidonax traillii (Willow Flycatcher)	Southern and Central Appalachian Cove Forest				Marg	Marg	Marg
Bird	Empidonax traillii (Willow Flycatcher)	Southern Appalachian Oak Forest					Marg	Marg
Bird	Empidonax traillii (Willow Flycatcher)	Southern Appalachian Northern Hardwood Forest						Marg
Bird	Empidonax traillii (Willow Flycatcher)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit	Suit	Suit	
Bird	Empidonax traillii (Willow Flycatcher)	Nashville Basin Limestone Glade and Woodland			Suit			
Bird	Empidonax traillii (Willow Flycatcher)	Cumberland Sandstone Glade and Barrens				Suit		
Bird	Empidonax traillii (Willow Flycatcher)	Ridge and Valley Calcareous Valley Bottom Glade and					Suit	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
		Woodland						
Bird	Empidonax traillii (Willow Flycatcher)	Central Appalachian Alkaline Glade and Woodland					Suit	
Bird	Empidonax traillii (Willow Flycatcher)	Southern and Central Appalachian Mafic Glade and Barrens						Suit
Bird	Empidonax traillii (Willow Flycatcher)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Bird	Empidonax traillii (Willow Flycatcher)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Bird	Empidonax traillii (Willow Flycatcher)	Pennsylvanian Karst Plain Prairie and Barrens			Suit			
Bird	Empidonax traillii (Willow Flycatcher)	Western Highland Rim Prairie and Barrens			Suit			
Bird	Empidonax traillii (Willow Flycatcher)	Eastern Highland Rim Prairie and Barrens			Suit			
Bird	Empidonax traillii (Willow Flycatcher)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Bird	Empidonax traillii (Willow Flycatcher)	Southern Ridge and Valley Patch Prairie					Suit	
Bird	Empidonax traillii (Willow Flycatcher)	Mississippi River High Floodplain (Bottomland) Forest	Marg					
Bird	Empidonax traillii (Willow Flycatcher)	Mississippi River Riparian Forest	Marg					
Bird	Empidonax traillii (Willow Flycatcher)	East Gulf Coastal Plain Large River Floodplain Forest		Marg				
Bird	Empidonax traillii (Willow Flycatcher)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Marg				
Bird	Empidonax traillii (Willow Flycatcher)	South-Central Interior Small Stream and Riparian		Marg	Marg	Marg	Marg	Marg
Bird	Empidonax traillii (Willow Flycatcher)	South-Central Interior Large Floodplain			Marg	Marg	Marg	Marg
Bird	Empidonax traillii (Willow Flycatcher)	Forest Plantation	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Empidonax traillii (Willow Flycatcher)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Euphagus carolinus (Rusty Blackbird)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bird	Euphagus carolinus (Rusty Blackbird)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bird	Euphagus carolinus (Rusty Blackbird)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	Euphagus carolinus (Rusty Blackbird)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Bird	Euphagus carolinus (Rusty Blackbird)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	Suit
Bird	Euphagus carolinus (Rusty Blackbird)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bird	Euphagus carolinus (Rusty Blackbird)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Bird	Euphagus carolinus (Rusty Blackbird)	South-Central Interior / Upper Coastal Plain Flatwoods		Pref				
Bird	Euphagus carolinus (Rusty Blackbird)	East Gulf Coastal Plain Limestone Forest		Suit				
Bird	Euphagus carolinus (Rusty Blackbird)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Bird	Euphagus carolinus (Rusty Blackbird)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bird	Euphagus carolinus (Rusty Blackbird)	Southern Appalachian Oak Forest					Suit	Suit
Bird	Euphagus carolinus (Rusty Blackbird)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Euphagus carolinus (Rusty Blackbird)	Mississippi River High Floodplain (Bottomland) Forest	Pref					

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Euphagus carolinus (Rusty Blackbird)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Bird	Euphagus carolinus (Rusty Blackbird)	Mississippi River Riparian Forest	Pref					
Bird	Euphagus carolinus (Rusty Blackbird)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Bird	Euphagus carolinus (Rusty Blackbird)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				
Bird	Euphagus carolinus (Rusty Blackbird)	Cumberland Riverscour				Pref		
Bird	Euphagus carolinus (Rusty Blackbird)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Bird	Euphagus carolinus (Rusty Blackbird)	Cumberland Seepage Forest				Suit		
Bird	Euphagus carolinus (Rusty Blackbird)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Bird	Euphagus carolinus (Rusty Blackbird)	Mississippi River Bottomland Depression	Pref					
Bird	Euphagus carolinus (Rusty Blackbird)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	Euphagus carolinus (Rusty Blackbird)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Bird	Euphagus carolinus (Rusty Blackbird)	Interior Low Plateau Seepage Fen			Suit			
Bird	Euphagus carolinus (Rusty Blackbird)	Southern Appalachian Seepage Wetland						Suit
Bird	Euphagus carolinus (Rusty Blackbird)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Bird	Euphagus carolinus (Rusty Blackbird)	South-Central Interior Large Floodplain			Pref	Pref	Pref	Pref
Bird	Euphagus carolinus (Rusty Blackbird)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Euphagus carolinus (Rusty Blackbird)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Euphagus carolinus (Rusty Blackbird)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Euphagus carolinus (Rusty Blackbird)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Euphagus carolinus (Rusty Blackbird)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Euphagus carolinus (Rusty Blackbird)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Euphagus carolinus (Rusty Blackbird)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Euphagus carolinus (Rusty Blackbird)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Falco peregrinus (Peregrine Falcon)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	Falco peregrinus (Peregrine Falcon)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Bird	Falco peregrinus (Peregrine Falcon)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Bird	Falco peregrinus (Peregrine Falcon)	South-Central Interior Mesophytic Forest			Marg	Marg	Marg	
Bird	Falco peregrinus (Peregrine Falcon)	Southern and Central Appalachian Cove Forest				Marg	Marg	Marg
Bird	Falco peregrinus (Peregrine Falcon)	Southern Appalachian Oak Forest					Marg	Marg
Bird	Falco peregrinus (Peregrine Falcon)	Southern Appalachian Northern Hardwood Forest						Marg
Bird	Falco peregrinus (Peregrine Falcon)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Marg	Marg
Bird	Falco peregrinus (Peregrine Falcon)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Bird	Falco peregrinus (Peregrine Falcon)	Central and Southern Appalachian Spruce-Fir Forest						Marg
Bird	Falco peregrinus (Peregrine Falcon)	Appalachian (Hemlock)-Northern Hardwood Forest				Marg	Marg	Marg

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Falco peregrinus (Peregrine Falcon)	Central Interior Highlands Dry Acidic Glade and Barrens			Marg			
Bird	Falco peregrinus (Peregrine Falcon)	Appalachian Shale Barrens				Marg	Marg	Marg
Bird	Falco peregrinus (Peregrine Falcon)	Central Interior Highlands Calcareous Glade and Barrens			Marg	Marg	Marg	
Bird	Falco peregrinus (Peregrine Falcon)	Nashville Basin Limestone Glade and Woodland			Marg			
Bird	Falco peregrinus (Peregrine Falcon)	Cumberland Sandstone Glade and Barrens				Marg		
Bird	Falco peregrinus (Peregrine Falcon)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Bird	Falco peregrinus (Peregrine Falcon)	Southern and Central Appalachian Mafic Glade and Barrens						Marg
Bird	Falco peregrinus (Peregrine Falcon)	Pennroyal Karst Plain Prairie and Barrens			Suit			
Bird	Falco peregrinus (Peregrine Falcon)	Western Highland Rim Prairie and Barrens			Suit			
Bird	Falco peregrinus (Peregrine Falcon)	Eastern Highland Rim Prairie and Barrens			Suit			
Bird	Falco peregrinus (Peregrine Falcon)	Southern Ridge and Valley Patch Prairie					Suit	
Bird	Falco peregrinus (Peregrine Falcon)	Southern Appalachian Grass and Shrub Bald						Marg
Bird	Falco peregrinus (Peregrine Falcon)	South-Central Interior Small Stream and Riparian			Suit	Marg	Marg	Marg
Bird	Falco peregrinus (Peregrine Falcon)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Bird	Falco peregrinus (Peregrine Falcon)	Central Interior Acidic Cliff and Talus			Suit			
Bird	Falco peregrinus (Peregrine Falcon)	Central Interior Calcareous Cliff and Talus			Suit			
Bird	Falco peregrinus (Peregrine Falcon)	Cumberland Acidic Cliff and Rockhouse				Suit	Suit	
Bird	Falco peregrinus (Peregrine Falcon)	Southern Appalachian Montane Cliff and Talus				Suit	Suit	Suit
Bird	Falco peregrinus (Peregrine Falcon)	Southern Interior Calcareous Cliff					Suit	Suit
Bird	Falco peregrinus (Peregrine Falcon)	Southern Interior Sinkhole Wall			Suit			
Bird	Falco peregrinus (Peregrine Falcon)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Falco peregrinus (Peregrine Falcon)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Falco peregrinus (Peregrine Falcon)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Falco peregrinus (Peregrine Falcon)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Falco peregrinus (Peregrine Falcon)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Falco peregrinus (Peregrine Falcon)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Falco peregrinus (Peregrine Falcon)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Falco peregrinus (Peregrine Falcon)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Falco peregrinus (Peregrine Falcon)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Falco peregrinus (Peregrine Falcon)	Edifice / Other Man-made Structure	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Gallinula galeata (Common Gallinule)	East Gulf Coastal Plain Northern Seepage Swamp		Marg				
Bird	Gallinula galeata (Common Gallinule)	Cumberland Seepage Forest				Marg		
Bird	Gallinula galeata (Common Gallinule)	Southern and Central Appalachian Bog and Fen					Pref	Pref
Bird	Gallinula galeata (Common Gallinule)	Mississippi River Bottomland Depression	Suit					
Bird	Gallinula galeata (Common Gallinule)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Marg				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Gallinula galeata (Common Gallinule)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg	Marg	Marg	
Bird	Gallinula galeata (Common Gallinule)	Interior Low Plateau Seepage Fen			Suit			
Bird	Gallinula galeata (Common Gallinule)	Southern Appalachian Seepage Wetland						Suit
Bird	Gallinula galeata (Common Gallinule)	Converted Wetland (Lacustrine)	Pref	Pref	Pref	Pref	Pref	Pref
Bird	Gallinula galeata (Common Gallinule)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Gallinula galeata (Common Gallinule)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Geothlypis Formosa (Kentucky Warbler)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bird	Geothlypis Formosa (Kentucky Warbler)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bird	Geothlypis Formosa (Kentucky Warbler)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	Geothlypis Formosa (Kentucky Warbler)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Bird	Geothlypis Formosa (Kentucky Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Bird	Geothlypis Formosa (Kentucky Warbler)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bird	Geothlypis Formosa (Kentucky Warbler)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Pref				
Bird	Geothlypis Formosa (Kentucky Warbler)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Bird	Geothlypis Formosa (Kentucky Warbler)	East Gulf Coastal Plain Limestone Forest		Suit				
Bird	Geothlypis Formosa (Kentucky Warbler)	South-Central Interior Mesophytic Forest		Suit	Pref	Suit	Suit	
Bird	Geothlypis Formosa (Kentucky Warbler)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bird	Geothlypis Formosa (Kentucky Warbler)	Southern Appalachian Oak Forest					Marg	Suit
Bird	Geothlypis Formosa (Kentucky Warbler)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Geothlypis Formosa (Kentucky Warbler)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Marg	Suit
Bird	Geothlypis Formosa (Kentucky Warbler)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Bird	Geothlypis Formosa (Kentucky Warbler)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Bird	Geothlypis Formosa (Kentucky Warbler)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Bird	Geothlypis Formosa (Kentucky Warbler)	Appalachian (Hemlock)-Northern Hardwood Forest				Pref	Pref	Pref
Bird	Geothlypis Formosa (Kentucky Warbler)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Geothlypis Formosa (Kentucky Warbler)	Mississippi River Riparian Forest	Suit					
Bird	Geothlypis Formosa (Kentucky Warbler)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Bird	Geothlypis Formosa (Kentucky Warbler)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	Geothlypis Formosa (Kentucky Warbler)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Bird	Geothlypis Formosa (Kentucky Warbler)	Cumberland Seepage Forest				Suit		
Bird	Geothlypis Formosa (Kentucky Warbler)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Bird	Geothlypis Formosa (Kentucky Warbler)	Mississippi River Bottomland Depression	Suit					

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Geothlypis Formosa (Kentucky Warbler)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	Geothlypis Formosa (Kentucky Warbler)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Bird	Geothlypis Formosa (Kentucky Warbler)	Interior Low Plateau Seepage Fen			Suit			
Bird	Geothlypis Formosa (Kentucky Warbler)	Southern Appalachian Seepage Wetland						Suit
Bird	Geothlypis Formosa (Kentucky Warbler)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Bird	Geothlypis Formosa (Kentucky Warbler)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Bird	Geothlypis Formosa (Kentucky Warbler)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Geothlypis Formosa (Kentucky Warbler)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Geothlypis Formosa (Kentucky Warbler)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Geothlypis Formosa (Kentucky Warbler)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Geothlypis Formosa (Kentucky Warbler)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Grus americana (Whooping Crane)	South-Central Interior Small Stream and Riparian					Marg	
Bird	Grus americana (Whooping Crane)	South-Central Interior Large Floodplain					Suit	
Bird	Grus americana (Whooping Crane)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Grus americana (Whooping Crane)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Grus americana (Whooping Crane)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Grus americana (Whooping Crane)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Grus americana (Whooping Crane)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Grus americana (Whooping Crane)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Haliaeetus leucocephalus (Bald Eagle)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bird	Haliaeetus leucocephalus (Bald Eagle)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bird	Haliaeetus leucocephalus (Bald Eagle)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	Haliaeetus leucocephalus (Bald Eagle)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Bird	Haliaeetus leucocephalus (Bald Eagle)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Bird	Haliaeetus leucocephalus (Bald Eagle)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bird	Haliaeetus leucocephalus (Bald Eagle)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Bird	Haliaeetus leucocephalus (Bald Eagle)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
Bird	Haliaeetus leucocephalus (Bald Eagle)	East Gulf Coastal Plain Limestone Forest		Marg				
Bird	Haliaeetus leucocephalus (Bald Eagle)	South-Central Interior Mesophytic Forest		Suit	Marg	Marg	Marg	
Bird	Haliaeetus leucocephalus (Bald Eagle)	Southern and Central Appalachian Cove Forest				Marg	Marg	
Bird	Haliaeetus leucocephalus (Bald Eagle)	Southern Appalachian Oak Forest					Marg	
Bird	Haliaeetus leucocephalus (Bald Eagle)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Marg	
Bird	Haliaeetus leucocephalus (Bald Eagle)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	Appalachian (Hemlock)-Northern Hardwood Forest				Marg	Marg	
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	Mississippi River Riparian Forest	Pref					
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	Mississippi River Bottomland Depression	Suit					
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	South-Central Interior Small Stream and Riparian		Marg	Marg	Marg	Marg	
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	South-Central Interior Large Floodplain			Pref	Pref	Pref	
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	Central Interior Acidic Cliff and Talus			Suit			
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	Central Interior Calcareous Cliff and Talus			Suit			
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	Cumberland Acidic Cliff and Rockhouse				Suit	Suit	
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	Southern Appalachian Montane Cliff and Talus				Suit	Suit	
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	Southern Interior Calcareous Cliff					Suit	
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Haliaeetus leucocephalus</i> (Bald Eagle)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Pref			
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	East Gulf Coastal Plain Limestone Forest		Suit				
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	Southern Appalachian Oak Forest					Suit	Suit
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	Appalachian (Hemlock)-Northern Hardwood Forest				Pref	Pref	Pref
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	Mississippi River Riparian Forest	Pref					
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	South-Central Interior Small Stream and Riparian		Suit	Marg	Marg	Marg	Marg
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	South-Central Interior Large Floodplain			Marg	Marg	Marg	Marg
Bird	<i>Helmitheros vermivorum</i> (Worm-eating Warbler)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Pref				
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	South-Central Interior / Upper Coastal Plain Flatwoods		Pref				
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	East Gulf Coastal Plain Limestone Forest		Suit				
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	South-Central Interior Mesophytic Forest		Suit	Pref	Pref	Pref	
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	Southern and Central Appalachian Cove Forest				Pref	Pref	Pref
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	Southern Appalachian Oak Forest					Marg	Marg
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	Southern Appalachian Low-Elevation Pine Forest			Marg			
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	Mississippi River Riparian Forest	Suit					
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	Mississippi River Bottomland Depression	Marg					
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	South-Central Interior Large Floodplain			Marg	Marg	Marg	Marg
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Hylocichla mustelina</i> (Wood Thrush)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	Marg
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Marg				
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	East Gulf Coastal Plain Limestone Forest		Marg				
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	South-Central Interior Mesophytic Forest		Marg	Marg	Marg	Marg	
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Southern Appalachian Oak Forest					Suit	Suit
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Marg	Marg
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Central Interior Highlands Calcareous Glade and Barrens		Pref	Pref	Pref	Pref	
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Nashville Basin Limestone Glade and Woodland			Pref			
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Cumberland Sandstone Glade and Barrens				Pref		
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Pref	
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Central Appalachian Alkaline Glade and Woodland					Pref	
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Southern and Central Appalachian Mafic Glade and Barrens						Suit
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Western Highland Rim Prairie and Barrens			Pref			
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Bird	<i>Icteria virens</i> (Yellow-breasted Chat)	Southern Ridge and Valley Patch Prairie					Suit	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Icteria virens (Yellow-breasted Chat)	Mississippi River High Floodplain (Bottomland) Forest	Suit					
Bird	Icteria virens (Yellow-breasted Chat)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Icteria virens (Yellow-breasted Chat)	Mississippi River Riparian Forest	Marg					
Bird	Icteria virens (Yellow-breasted Chat)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Bird	Icteria virens (Yellow-breasted Chat)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	Icteria virens (Yellow-breasted Chat)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Icteria virens (Yellow-breasted Chat)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Icterus spurius (Orchard Oriole)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bird	Icterus spurius (Orchard Oriole)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bird	Icterus spurius (Orchard Oriole)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	Icterus spurius (Orchard Oriole)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Marg	
Bird	Icterus spurius (Orchard Oriole)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	
Bird	Icterus spurius (Orchard Oriole)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Bird	Icterus spurius (Orchard Oriole)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Marg				
Bird	Icterus spurius (Orchard Oriole)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
Bird	Icterus spurius (Orchard Oriole)	East Gulf Coastal Plain Limestone Forest		Marg				
Bird	Icterus spurius (Orchard Oriole)	South-Central Interior Mesophytic Forest		Marg	Marg		Marg	
Bird	Icterus spurius (Orchard Oriole)	Southern and Central Appalachian Cove Forest					Marg	
Bird	Icterus spurius (Orchard Oriole)	Southern Appalachian Oak Forest					Marg	
Bird	Icterus spurius (Orchard Oriole)	Southern Appalachian Low-Elevation Pine Forest			Marg			
Bird	Icterus spurius (Orchard Oriole)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Bird	Icterus spurius (Orchard Oriole)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit			
Bird	Icterus spurius (Orchard Oriole)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Marg		Marg	
Bird	Icterus spurius (Orchard Oriole)	Nashville Basin Limestone Glade and Woodland			Suit			
Bird	Icterus spurius (Orchard Oriole)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Bird	Icterus spurius (Orchard Oriole)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Bird	Icterus spurius (Orchard Oriole)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Bird	Icterus spurius (Orchard Oriole)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	Icterus spurius (Orchard Oriole)	Western Highland Rim Prairie and Barrens			Pref			
Bird	Icterus spurius (Orchard Oriole)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	Icterus spurius (Orchard Oriole)	Southern Ridge and Valley Patch Prairie					Pref	
Bird	Icterus spurius (Orchard Oriole)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Icterus spurius (Orchard Oriole)	Mississippi River Riparian Forest	Suit					
Bird	Icterus spurius (Orchard Oriole)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Bird	Icterus spurius (Orchard Oriole)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	Icterus spurius (Orchard Oriole)	Mississippi River Bottomland Depression	Marg					
Bird	Icterus spurius (Orchard Oriole)	South-Central Interior Small Stream and Riparian		Marg	Marg		Suit	
Bird	Icterus spurius (Orchard Oriole)	South-Central Interior Large Floodplain			Suit		Marg	
Bird	Icterus spurius (Orchard Oriole)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Icterus spurius (Orchard Oriole)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Icterus spurius (Orchard Oriole)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Icterus spurius (Orchard Oriole)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Icterus spurius (Orchard Oriole)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Ictinia mississippiensis (Mississippi Kite)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Bird	Ictinia mississippiensis (Mississippi Kite)	Mississippi River Riparian Forest	Pref					
Bird	Ictinia mississippiensis (Mississippi Kite)	Mississippi River Bottomland Depression	Marg					
Bird	Ictinia mississippiensis (Mississippi Kite)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Ictinia mississippiensis (Mississippi Kite)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Ictinia mississippiensis (Mississippi Kite)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Ictinia mississippiensis (Mississippi Kite)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Ictinia mississippiensis (Mississippi Kite)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Ictinia mississippiensis (Mississippi Kite)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Ictinia mississippiensis (Mississippi Kite)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Ixobrychus exilis (Least Bittern)	Mississippi River Low Floodplain (Bottomland) Forest	Marg					
Bird	Ixobrychus exilis (Least Bittern)	Mississippi River Riparian Forest	Marg					
Bird	Ixobrychus exilis (Least Bittern)	East Gulf Coastal Plain Large River Floodplain Forest		Marg				
Bird	Ixobrychus exilis (Least Bittern)	Mississippi River Bottomland Depression	Pref					
Bird	Ixobrychus exilis (Least Bittern)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	Ixobrychus exilis (Least Bittern)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit		Suit	
Bird	Ixobrychus exilis (Least Bittern)	South-Central Interior Small Stream and Riparian			Suit		Suit	
Bird	Ixobrychus exilis (Least Bittern)	South-Central Interior Large Floodplain			Marg		Marg	
Bird	Ixobrychus exilis (Least Bittern)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Ixobrychus exilis (Least Bittern)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Ixobrychus exilis (Least Bittern)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Lanius ludovicianus (Loggerhead Shrike)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit			
Bird	Lanius ludovicianus (Loggerhead Shrike)	Appalachian Shale Barrens				Suit	Suit	Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Lanius ludovicianus (Loggerhead Shrike)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit	Marg	Suit	
Bird	Lanius ludovicianus (Loggerhead Shrike)	Nashville Basin Limestone Glade and Woodland			Suit			
Bird	Lanius ludovicianus (Loggerhead Shrike)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Bird	Lanius ludovicianus (Loggerhead Shrike)	Southern and Central Appalachian Mafic Glade and Barrens						Suit
Bird	Lanius ludovicianus (Loggerhead Shrike)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Bird	Lanius ludovicianus (Loggerhead Shrike)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Bird	Lanius ludovicianus (Loggerhead Shrike)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	Lanius ludovicianus (Loggerhead Shrike)	Western Highland Rim Prairie and Barrens			Pref			
Bird	Lanius ludovicianus (Loggerhead Shrike)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	Lanius ludovicianus (Loggerhead Shrike)	Southern Ridge and Valley Patch Prairie					Pref	
Bird	Lanius ludovicianus (Loggerhead Shrike)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Lanius ludovicianus (Loggerhead Shrike)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Lanius ludovicianus (Loggerhead Shrike)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Lanius ludovicianus (Loggerhead Shrike)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Lanius ludovicianus (Loggerhead Shrike)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Limnothlypis swainsonii (Swainson's Warbler)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bird	Limnothlypis swainsonii (Swainson's Warbler)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bird	Limnothlypis swainsonii (Swainson's Warbler)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	Limnothlypis swainsonii (Swainson's Warbler)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Bird	Limnothlypis swainsonii (Swainson's Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Bird	Limnothlypis swainsonii (Swainson's Warbler)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bird	Limnothlypis swainsonii (Swainson's Warbler)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Bird	Limnothlypis swainsonii (Swainson's Warbler)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Bird	Limnothlypis swainsonii (Swainson's Warbler)	East Gulf Coastal Plain Limestone Forest		Suit				
Bird	Limnothlypis swainsonii (Swainson's Warbler)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Bird	Limnothlypis swainsonii (Swainson's Warbler)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bird	Limnothlypis swainsonii (Swainson's Warbler)	Southern Appalachian Oak Forest					Marg	Marg
Bird	Limnothlypis swainsonii (Swainson's Warbler)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Limnothlypis swainsonii (Swainson's Warbler)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Bird	Limnothlypis swainsonii (Swainson's Warbler)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Bird	Limnothlypis swainsonii (Swainson's Warbler)	Mississippi River Riparian Forest	Pref					
Bird	Limnothlypis swainsonii (Swainson's Warbler)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	<i>Limnothlypis swainsonii</i> (Swainson's Warbler)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	<i>Limnothlypis swainsonii</i> (Swainson's Warbler)	Cumberland Riverscour				Marg		
Bird	<i>Limnothlypis swainsonii</i> (Swainson's Warbler)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Bird	<i>Limnothlypis swainsonii</i> (Swainson's Warbler)	Cumberland Seepage Forest				Marg		
Bird	<i>Limnothlypis swainsonii</i> (Swainson's Warbler)	Southern and Central Appalachian Bog and Fen					Marg	Marg
Bird	<i>Limnothlypis swainsonii</i> (Swainson's Warbler)	Mississippi River Bottomland Depression	Pref					
Bird	<i>Limnothlypis swainsonii</i> (Swainson's Warbler)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	<i>Limnothlypis swainsonii</i> (Swainson's Warbler)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Marg	Marg	
Bird	<i>Limnothlypis swainsonii</i> (Swainson's Warbler)	Interior Low Plateau Seepage Fen			Marg			
Bird	<i>Limnothlypis swainsonii</i> (Swainson's Warbler)	Southern Appalachian Seepage Wetland						Marg
Bird	<i>Limnothlypis swainsonii</i> (Swainson's Warbler)	South-Central Interior Small Stream and Riparian		Suit	Pref	Pref	Pref	Pref
Bird	<i>Limnothlypis swainsonii</i> (Swainson's Warbler)	South-Central Interior Large Floodplain			Suit	Suit	Marg	Marg
Bird	<i>Limosa fedoa</i> (Marbled Godwit)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	<i>Limosa fedoa</i> (Marbled Godwit)	Mississippi River Riparian Forest	Suit					
Bird	<i>Limosa fedoa</i> (Marbled Godwit)	Mississippi River Bottomland Depression	Pref					
Bird	<i>Limosa fedoa</i> (Marbled Godwit)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Limosa fedoa</i> (Marbled Godwit)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Limosa fedoa</i> (Marbled Godwit)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Limosa haemastica</i> (Hudsonian Godwit)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	<i>Limosa haemastica</i> (Hudsonian Godwit)	Mississippi River Riparian Forest	Suit					
Bird	<i>Limosa haemastica</i> (Hudsonian Godwit)	Mississippi River Bottomland Depression	Pref					
Bird	<i>Limosa haemastica</i> (Hudsonian Godwit)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Limosa haemastica</i> (Hudsonian Godwit)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Limosa haemastica</i> (Hudsonian Godwit)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Limosa haemastica</i> (Hudsonian Godwit)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Limosa haemastica</i> (Hudsonian Godwit)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Limosa haemastica</i> (Hudsonian Godwit)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Limosa haemastica</i> (Hudsonian Godwit)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Melanerpes erythrocephalus</i> (Red-headed Woodpecker)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bird	<i>Melanerpes erythrocephalus</i> (Red-headed Woodpecker)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bird	<i>Melanerpes erythrocephalus</i> (Red-headed Woodpecker)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	<i>Melanerpes erythrocephalus</i> (Red-headed Woodpecker)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bird	<i>Melanerpes erythrocephalus</i> (Red-headed Woodpecker)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Numenius phaeopus (Whimbrel)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Numenius phaeopus (Whimbrel)	Mississippi River Riparian Forest	Suit					
Bird	Numenius phaeopus (Whimbrel)	Mississippi River Bottomland Depression	Pref					
Bird	Numenius phaeopus (Whimbrel)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Numenius phaeopus (Whimbrel)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Numenius phaeopus (Whimbrel)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	Mississippi River High Floodplain (Bottomland) Forest	Pref					
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	Mississippi River Riparian Forest	Pref					
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	Cumberland Riverscour				Suit		
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	Cumberland Seepage Forest				Suit		
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	Southern and Central Appalachian Bog and Fen					Marg	Marg
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	Mississippi River Bottomland Depression	Pref					
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg	Marg	Marg	
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	Interior Low Plateau Seepage Fen			Marg			
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	Southern Appalachian Seepage Wetland						Marg
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	South-Central Interior Small Stream and Riparian		Pref	Pref	Pref	Pref	Pref
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	Converted Wetland (Lacustrine)	Pref	Pref	Pref	Pref	Pref	Pref
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	Converted Wetland (Riverine)	Pref	Pref	Pref	Pref	Pref	Pref
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	Converted Wetland (Palustrine)	Pref	Pref	Pref	Pref	Pref	Pref
Bird	Nycticorax nycticorax (Black-crowned Night-heron)	Channelized River / Stream	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Parkesia motacilla (Louisiana Waterthrush)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Bird	Parkesia motacilla (Louisiana Waterthrush)	Mississippi River Riparian Forest	Pref					
Bird	Parkesia motacilla (Louisiana Waterthrush)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Bird	Parkesia motacilla (Louisiana Waterthrush)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				
Bird	Parkesia motacilla (Louisiana Waterthrush)	Cumberland Riverscour				Marg		
Bird	Parkesia motacilla (Louisiana Waterthrush)	Mississippi River Bottomland Depression	Pref					
Bird	Parkesia motacilla (Louisiana Waterthrush)	South-Central Interior Small Stream and Riparian		Pref	Pref	Pref	Pref	Pref

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	<i>Parquesia motacilla</i> (Louisiana Waterthrush)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Bird	<i>Passerina ciris</i> (Painted Bunting)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	<i>Passerina ciris</i> (Painted Bunting)	Mississippi River Riparian Forest	Suit					
Bird	<i>Passerina ciris</i> (Painted Bunting)	Mississippi River Bottomland Depression	Suit					
Bird	<i>Passerina ciris</i> (Painted Bunting)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Passerina ciris</i> (Painted Bunting)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Passerina ciris</i> (Painted Bunting)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Passerina ciris</i> (Painted Bunting)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Passerina ciris</i> (Painted Bunting)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Passerina ciris</i> (Painted Bunting)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Passerina ciris</i> (Painted Bunting)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Passerina ciris</i> (Painted Bunting)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Marg				
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	East Gulf Coastal Plain Limestone Forest		Marg				
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	South-Central Interior Mesophytic Forest		Marg	Marg	Marg	Marg	
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Southern Appalachian Oak Forest					Marg	
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit			
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit	Suit	Suit	
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Nashville Basin Limestone Glade and Woodland			Suit			
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Cumberland Sandstone Glade and Barrens				Suit		
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Western Highland Rim Prairie and Barrens			Pref			

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Southern Ridge and Valley Patch Prairie					Pref	
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Forest Plantation	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Peucaea aestivalis</i> (Bachman's Sparrow)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Pluvialis dominica</i> (American Golden Plover)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	<i>Pluvialis dominica</i> (American Golden Plover)	Mississippi River Riparian Forest	Suit					
Bird	<i>Pluvialis dominica</i> (American Golden Plover)	Mississippi River Bottomland Depression	Suit					
Bird	<i>Pluvialis dominica</i> (American Golden Plover)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Pluvialis dominica</i> (American Golden Plover)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Pluvialis dominica</i> (American Golden Plover)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Pluvialis dominica</i> (American Golden Plover)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Poecile atricapillus</i> (Black-capped Chickadee)	Southern and Central Appalachian Cove Forest						Suit
Bird	<i>Poecile atricapillus</i> (Black-capped Chickadee)	Southern Appalachian Oak Forest						Suit
Bird	<i>Poecile atricapillus</i> (Black-capped Chickadee)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	<i>Poecile atricapillus</i> (Black-capped Chickadee)	Southern Appalachian Low-Elevation Pine Forest						Suit
Bird	<i>Poecile atricapillus</i> (Black-capped Chickadee)	Southern Appalachian Montane Pine Forest and Woodland						Pref
Bird	<i>Poecile atricapillus</i> (Black-capped Chickadee)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Bird	<i>Poecile atricapillus</i> (Black-capped Chickadee)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Bird	<i>Porphyryula martinica</i> (Purple Gallinule)	East Gulf Coastal Plain Northern Seepage Swamp		Marg				
Bird	<i>Porphyryula martinica</i> (Purple Gallinule)	Cumberland Seepage Forest				Marg		
Bird	<i>Porphyryula martinica</i> (Purple Gallinule)	Southern and Central Appalachian Bog and Fen					Pref	Pref
Bird	<i>Porphyryula martinica</i> (Purple Gallinule)	Mississippi River Bottomland Depression	Suit					
Bird	<i>Porphyryula martinica</i> (Purple Gallinule)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Marg				
Bird	<i>Porphyryula martinica</i> (Purple Gallinule)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg	Marg	Marg	
Bird	<i>Porphyryula martinica</i> (Purple Gallinule)	Interior Low Plateau Seepage Fen			Suit			
Bird	<i>Porphyryula martinica</i> (Purple Gallinule)	Southern Appalachian Seepage Wetland						Suit
Bird	<i>Porphyryula martinica</i> (Purple Gallinule)	Converted Wetland (Lacustrine)	Pref	Pref	Pref	Pref	Pref	Pref
Bird	<i>Porphyryula martinica</i> (Purple Gallinule)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Porphyryula martinica</i> (Purple Gallinule)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Protonotaria citrea</i> (Prothonotary Warbler)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Bird	<i>Protonotaria citrea</i> (Prothonotary Warbler)	Mississippi River Riparian Forest	Pref					
Bird	<i>Protonotaria citrea</i> (Prothonotary Warbler)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Protonotaria citrea (Prothonotary Warbler)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	Protonotaria citrea (Prothonotary Warbler)	Cumberland Riverscour				Marg		
Bird	Protonotaria citrea (Prothonotary Warbler)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Bird	Protonotaria citrea (Prothonotary Warbler)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Bird	Protonotaria citrea (Prothonotary Warbler)	Mississippi River Bottomland Depression	Pref					
Bird	Protonotaria citrea (Prothonotary Warbler)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	Protonotaria citrea (Prothonotary Warbler)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Marg	Marg	
Bird	Protonotaria citrea (Prothonotary Warbler)	Interior Low Plateau Seepage Fen			Suit			
Bird	Protonotaria citrea (Prothonotary Warbler)	Southern Appalachian Seepage Wetland						Marg
Bird	Protonotaria citrea (Prothonotary Warbler)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Bird	Protonotaria citrea (Prothonotary Warbler)	South-Central Interior Large Floodplain			Pref	Pref	Pref	Pref
Bird	Protonotaria citrea (Prothonotary Warbler)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Protonotaria citrea (Prothonotary Warbler)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Protonotaria citrea (Prothonotary Warbler)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Rallus elegans (King Rail)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Bird	Rallus elegans (King Rail)	Mississippi River Bottomland Depression	Pref					
Bird	Rallus elegans (King Rail)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Marg		
Bird	Rallus elegans (King Rail)	South-Central Interior Small Stream and Riparian		Suit	Pref			
Bird	Rallus elegans (King Rail)	South-Central Interior Large Floodplain			Pref			
Bird	Rallus elegans (King Rail)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Rallus elegans (King Rail)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Rallus elegans (King Rail)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Rallus limicola (Virginia Rail)	East Gulf Coastal Plain Northern Seepage Swamp		Marg				
Bird	Rallus limicola (Virginia Rail)	Cumberland Seepage Forest				Marg		
Bird	Rallus limicola (Virginia Rail)	Southern and Central Appalachian Bog and Fen					Pref	Pref
Bird	Rallus limicola (Virginia Rail)	Mississippi River Bottomland Depression	Suit					
Bird	Rallus limicola (Virginia Rail)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Marg				
Bird	Rallus limicola (Virginia Rail)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg	Marg	Marg	
Bird	Rallus limicola (Virginia Rail)	Interior Low Plateau Seepage Fen			Suit			
Bird	Rallus limicola (Virginia Rail)	Southern Appalachian Seepage Wetland						Suit
Bird	Rallus limicola (Virginia Rail)	Converted Wetland (Lacustrine)	Pref	Pref	Pref	Pref	Pref	Pref
Bird	Rallus limicola (Virginia Rail)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Rallus limicola (Virginia Rail)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Riparia riparia (Bank Swallow)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Riparia riparia (Bank Swallow)	Mississippi River Riparian Forest	Suit					
Bird	Riparia riparia (Bank Swallow)	Mississippi River Bottomland Depression	Suit					
Bird	Riparia riparia (Bank Swallow)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Riparia riparia (Bank Swallow)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Riparia riparia (Bank Swallow)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Riparia riparia (Bank Swallow)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Riparia riparia (Bank Swallow)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Riparia riparia (Bank Swallow)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Riparia riparia (Bank Swallow)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Riparia riparia (Bank Swallow)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Bird	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Bird	Scolopax minor (American Woodcock)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Bird	Scolopax minor (American Woodcock)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bird	Scolopax minor (American Woodcock)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Bird	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bird	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Bird	Scolopax minor (American Woodcock)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Bird	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Limestone Forest		Suit				
Bird	Scolopax minor (American Woodcock)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Bird	Scolopax minor (American Woodcock)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bird	Scolopax minor (American Woodcock)	Southern Appalachian Oak Forest					Suit	Suit
Bird	Scolopax minor (American Woodcock)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Bird	Scolopax minor (American Woodcock)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Bird	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Bird	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Bird	Scolopax minor (American Woodcock)	Pennroyal Karst Plain Prairie and Barrens			Suit			
Bird	Scolopax minor (American Woodcock)	Western Highland Rim Prairie and Barrens			Suit			
Bird	Scolopax minor (American Woodcock)	Eastern Highland Rim Prairie and Barrens			Suit			
Bird	Scolopax minor (American Woodcock)	Southern Ridge and Valley Patch Prairie					Suit	
Bird	Scolopax minor (American Woodcock)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	<i>Scolopax minor</i> (American Woodcock)	Mississippi River Riparian Forest	Suit					
Bird	<i>Scolopax minor</i> (American Woodcock)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Bird	<i>Scolopax minor</i> (American Woodcock)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	<i>Scolopax minor</i> (American Woodcock)	East Gulf Coastal Plain Northern Seepage Swamp		Marg				
Bird	<i>Scolopax minor</i> (American Woodcock)	Cumberland Seepage Forest				Marg		
Bird	<i>Scolopax minor</i> (American Woodcock)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Bird	<i>Scolopax minor</i> (American Woodcock)	Mississippi River Bottomland Depression	Marg					
Bird	<i>Scolopax minor</i> (American Woodcock)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Marg				
Bird	<i>Scolopax minor</i> (American Woodcock)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg	Marg	Marg	
Bird	<i>Scolopax minor</i> (American Woodcock)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Bird	<i>Scolopax minor</i> (American Woodcock)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Bird	<i>Scolopax minor</i> (American Woodcock)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Scolopax minor</i> (American Woodcock)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Scolopax minor</i> (American Woodcock)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Scolopax minor</i> (American Woodcock)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Scolopax minor</i> (American Woodcock)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Scolopax minor</i> (American Woodcock)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Setophaga caerulea</i> (Black-throated Blue Warbler)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Bird	<i>Setophaga caerulea</i> (Black-throated Blue Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Bird	<i>Setophaga caerulea</i> (Black-throated Blue Warbler)	South-Central Interior Mesophytic Forest				Suit		
Bird	<i>Setophaga caerulea</i> (Black-throated Blue Warbler)	Southern and Central Appalachian Cove Forest				Suit		Suit
Bird	<i>Setophaga caerulea</i> (Black-throated Blue Warbler)	Southern Appalachian Oak Forest						Suit
Bird	<i>Setophaga caerulea</i> (Black-throated Blue Warbler)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	<i>Setophaga caerulea</i> (Black-throated Blue Warbler)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Bird	<i>Setophaga caerulea</i> (Black-throated Blue Warbler)	Appalachian (Hemlock)-Northern Hardwood Forest				Pref		Pref
Bird	<i>Setophaga cerulea</i> (Cerulean Warbler)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bird	<i>Setophaga cerulea</i> (Cerulean Warbler)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bird	<i>Setophaga cerulea</i> (Cerulean Warbler)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	<i>Setophaga cerulea</i> (Cerulean Warbler)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bird	<i>Setophaga cerulea</i> (Cerulean Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Bird	<i>Setophaga cerulea</i> (Cerulean Warbler)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bird	<i>Setophaga cerulea</i> (Cerulean Warbler)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Setophaga cerulea (Cerulean Warbler)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Bird	Setophaga cerulea (Cerulean Warbler)	East Gulf Coastal Plain Limestone Forest		Suit				
Bird	Setophaga cerulea (Cerulean Warbler)	South-Central Interior Mesophytic Forest		Suit	Pref	Pref	Pref	
Bird	Setophaga cerulea (Cerulean Warbler)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bird	Setophaga cerulea (Cerulean Warbler)	Southern Appalachian Oak Forest					Suit	Suit
Bird	Setophaga cerulea (Cerulean Warbler)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Setophaga cerulea (Cerulean Warbler)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Bird	Setophaga cerulea (Cerulean Warbler)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Bird	Setophaga cerulea (Cerulean Warbler)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Bird	Setophaga cerulea (Cerulean Warbler)	Mississippi River Riparian Forest	Pref					
Bird	Setophaga cerulea (Cerulean Warbler)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Bird	Setophaga cerulea (Cerulean Warbler)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	Setophaga cerulea (Cerulean Warbler)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Bird	Setophaga cerulea (Cerulean Warbler)	Mississippi River Bottomland Depression	Suit					
Bird	Setophaga cerulea (Cerulean Warbler)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	Setophaga cerulea (Cerulean Warbler)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg			
Bird	Setophaga cerulea (Cerulean Warbler)	South-Central Interior Small Stream and Riparian		Suit	Suit	Marg	Marg	
Bird	Setophaga cerulea (Cerulean Warbler)	South-Central Interior Large Floodplain			Suit			
Bird	Setophaga discolor (Prairie Warbler)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit			
Bird	Setophaga discolor (Prairie Warbler)	Appalachian Shale Barrens				Marg	Marg	
Bird	Setophaga discolor (Prairie Warbler)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit	Suit	Suit	
Bird	Setophaga discolor (Prairie Warbler)	Nashville Basin Limestone Glade and Woodland			Suit			
Bird	Setophaga discolor (Prairie Warbler)	Cumberland Sandstone Glade and Barrens				Pref		
Bird	Setophaga discolor (Prairie Warbler)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Bird	Setophaga discolor (Prairie Warbler)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Bird	Setophaga discolor (Prairie Warbler)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
Bird	Setophaga discolor (Prairie Warbler)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	Setophaga discolor (Prairie Warbler)	Western Highland Rim Prairie and Barrens			Pref			
Bird	Setophaga discolor (Prairie Warbler)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	Setophaga discolor (Prairie Warbler)	Southern Ridge and Valley Patch Prairie					Pref	
Bird	Setophaga discolor (Prairie Warbler)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Setophaga discolor (Prairie Warbler)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Setophaga dominica (Yellow-throated Warbler)	Southern Ridge and Valley / Cumberland Dry Calcareous				Suit	Suit	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	<i>Thryomanes bewickii</i> (Bewick's Wren)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Thryomanes bewickii</i> (Bewick's Wren)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Thryomanes bewickii</i> (Bewick's Wren)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Thryomanes bewickii</i> (Bewick's Wren)	Edifice / Other Man-made Structure	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Troglodytes troglodytes</i> (Winter Wren)	Southern and Central Appalachian Cove Forest						Suit
Bird	<i>Troglodytes troglodytes</i> (Winter Wren)	Southern Appalachian Oak Forest						Marg
Bird	<i>Troglodytes troglodytes</i> (Winter Wren)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	<i>Troglodytes troglodytes</i> (Winter Wren)	Southern Appalachian Low-Elevation Pine Forest						Marg
Bird	<i>Troglodytes troglodytes</i> (Winter Wren)	Southern Appalachian Montane Pine Forest and Woodland						Suit
Bird	<i>Troglodytes troglodytes</i> (Winter Wren)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Bird	<i>Troglodytes troglodytes</i> (Winter Wren)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Bird	<i>Tryngites subruficollis</i> (Buff-breasted Sandpiper)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	<i>Tryngites subruficollis</i> (Buff-breasted Sandpiper)	Mississippi River Riparian Forest	Suit					
Bird	<i>Tryngites subruficollis</i> (Buff-breasted Sandpiper)	Mississippi River Bottomland Depression	Pref					
Bird	<i>Tryngites subruficollis</i> (Buff-breasted Sandpiper)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Tryngites subruficollis</i> (Buff-breasted Sandpiper)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Tryngites subruficollis</i> (Buff-breasted Sandpiper)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Tryngites subruficollis</i> (Buff-breasted Sandpiper)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Tryngites subruficollis</i> (Buff-breasted Sandpiper)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Tryngites subruficollis</i> (Buff-breasted Sandpiper)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Tryngites subruficollis</i> (Buff-breasted Sandpiper)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Tympanuchus cupido</i> (Greater Prairie-chicken)	Central Interior Highlands Dry Acidic Glade and Barrens			Suit			
Bird	<i>Tympanuchus cupido</i> (Greater Prairie-chicken)	Central Interior Highlands Calcareous Glade and Barrens			Suit			
Bird	<i>Tympanuchus cupido</i> (Greater Prairie-chicken)	Nashville Basin Limestone Glade and Woodland			Suit			
Bird	<i>Tympanuchus cupido</i> (Greater Prairie-chicken)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	<i>Tympanuchus cupido</i> (Greater Prairie-chicken)	Western Highland Rim Prairie and Barrens			Suit			
Bird	<i>Tympanuchus cupido</i> (Greater Prairie-chicken)	Eastern Highland Rim Prairie and Barrens			Suit			
Bird	<i>Tympanuchus cupido</i> (Greater Prairie-chicken)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Tympanuchus cupido</i> (Greater Prairie-chicken)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	<i>Tympanuchus cupido</i> (Greater Prairie-chicken)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Tympanuchus cupido</i> (Greater Prairie-chicken)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	<i>Tyto alba</i> (Barn Owl)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Bird	<i>Tyto alba</i> (Barn Owl)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit			
Bird	<i>Tyto alba</i> (Barn Owl)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Marg	Suit	Suit	
Bird	<i>Tyto alba</i> (Barn Owl)	Nashville Basin Limestone Glade and Woodland			Suit			

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Tyto alba (Barn Owl)	Cumberland Sandstone Glade and Barrens				Suit		
Bird	Tyto alba (Barn Owl)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Bird	Tyto alba (Barn Owl)	Southern and Central Appalachian Mafic Glade and Barrens						Marg
Bird	Tyto alba (Barn Owl)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Bird	Tyto alba (Barn Owl)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
Bird	Tyto alba (Barn Owl)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Bird	Tyto alba (Barn Owl)	Western Highland Rim Prairie and Barrens			Suit			
Bird	Tyto alba (Barn Owl)	Eastern Highland Rim Prairie and Barrens			Suit			
Bird	Tyto alba (Barn Owl)	Southern Ridge and Valley Patch Prairie					Pref	
Bird	Tyto alba (Barn Owl)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Bird	Tyto alba (Barn Owl)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	Tyto alba (Barn Owl)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Bird	Tyto alba (Barn Owl)	Interior Low Plateau Seepage Fen			Suit			
Bird	Tyto alba (Barn Owl)	Southern Appalachian Seepage Wetland						Suit
Bird	Tyto alba (Barn Owl)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Tyto alba (Barn Owl)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Tyto alba (Barn Owl)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Tyto alba (Barn Owl)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Tyto alba (Barn Owl)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Tyto alba (Barn Owl)	Edifice / Other Man-made Structure	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Bird	Vermivora chrysoptera (Golden-winged Warbler)	South-Central Interior Mesophytic Forest				Suit	Suit	
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Southern Appalachian Oak Forest					Suit	Suit
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Appalachian Shale Barrens				Marg	Marg	Marg
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Central Interior Highlands Calcareous Glade and Barrens				Suit	Pref	
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Cumberland Sandstone Glade and Barrens				Pref		
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Pref	
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Southern and Central Appalachian Mafic Glade and Barrens						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Southern Ridge and Valley Patch Prairie					Suit	
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Southern Appalachian Grass and Shrub Bald						Suit
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Southern Appalachian Rocky Summit						Suit
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Vermivora chrysoptera (Golden-winged Warbler)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Vermivora cyanoptera (Blue-winged Warbler)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bird	Vermivora cyanoptera (Blue-winged Warbler)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Bird	Vermivora cyanoptera (Blue-winged Warbler)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Bird	Vermivora cyanoptera (Blue-winged Warbler)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Marg				
Bird	Vermivora cyanoptera (Blue-winged Warbler)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
Bird	Vermivora cyanoptera (Blue-winged Warbler)	East Gulf Coastal Plain Limestone Forest		Marg				
Bird	Vermivora cyanoptera (Blue-winged Warbler)	South-Central Interior Mesophytic Forest		Marg	Marg	Marg	Marg	
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Southern and Central Appalachian Cove Forest				Marg	Marg	Marg
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Southern Appalachian Oak Forest					Marg	Marg
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Southern Appalachian Northern Hardwood Forest						Marg
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Marg	Marg
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Bird	Vermivora cyanoptera (Blue-winged Warbler)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Appalachian (Hemlock)-Northern Hardwood Forest				Marg	Marg	Marg
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit			
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Appalachian Shale Barrens				Suit	Suit	Suit
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit	Suit	Suit	
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Nashville Basin Limestone Glade and Woodland			Suit			
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Cumberland Sandstone Glade and Barrens				Suit		
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Southern and Central Appalachian Mafic Glade and Barrens						Suit
Bird	Vermivora cyanoptera (Blue-winged Warbler)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Bird	Vermivora cyanoptera (Blue-winged Warbler)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Pennsylvanian Karst Plain Prairie and Barrens			Pref			
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Western Highland Rim Prairie and Barrens			Pref			
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Southern Ridge and Valley Patch Prairie					Pref	
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Mississippi River Riparian Forest	Suit					
Bird	Vermivora cyanoptera (Blue-winged Warbler)	East Gulf Coastal Plain Large River Floodplain Forest		Marg				
Bird	Vermivora cyanoptera (Blue-winged Warbler)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Cumberland Riverscour				Marg		
Bird	Vermivora cyanoptera (Blue-winged Warbler)	East Gulf Coastal Plain Northern Seepage Swamp		Marg				
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Cumberland Seepage Forest				Marg		
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Mississippi River Bottomland Depression	Suit					
Bird	Vermivora cyanoptera (Blue-winged Warbler)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Marg				
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Interior Low Plateau Seepage Fen			Suit			
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Southern Appalachian Seepage Wetland						Marg
Bird	Vermivora cyanoptera (Blue-winged Warbler)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Bird	Vermivora cyanoptera (Blue-winged Warbler)	South-Central Interior Large Floodplain			Marg	Marg	Marg	Marg
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Vermivora cyanoptera (Blue-winged Warbler)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Vireo bellii (Bell's Vireo)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit				
Bird	Vireo bellii (Bell's Vireo)	Central Interior Highlands Calcareous Glade and Barrens		Suit				
Bird	Vireo bellii (Bell's Vireo)	Nashville Basin Limestone Glade and Woodland			Suit			
Bird	Vireo bellii (Bell's Vireo)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Bird	Vireo bellii (Bell's Vireo)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Vireo bellii (Bell's Vireo)	Eastern Highland Rim Prairie and Barrens			Suit			
Bird	Vireo bellii (Bell's Vireo)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Vireo bellii (Bell's Vireo)	Mississippi River Riparian Forest	Suit					
Bird	Vireo bellii (Bell's Vireo)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Bird	Vireo bellii (Bell's Vireo)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				
Bird	Vireo bellii (Bell's Vireo)	Mississippi River Bottomland Depression	Suit					
Bird	Vireo bellii (Bell's Vireo)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Marg				
Bird	Vireo bellii (Bell's Vireo)	South-Central Interior Small Stream and Riparian		Pref				
Bird	Vireo bellii (Bell's Vireo)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Vireo bellii (Bell's Vireo)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Vireo bellii (Bell's Vireo)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Gastropod	Anguispira alabama (Alabama Tigersnail)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Gastropod	Anguispira alabama (Alabama Tigersnail)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	Anguispira alabama (Alabama Tigersnail)	South-Central Interior Mesophytic Forest				Suit		
Gastropod	Anguispira alabama (Alabama Tigersnail)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	Anguispira alabama (Alabama Tigersnail)	Southern Appalachian Low-Elevation Pine Forest				Marg		
Gastropod	Anguispira alabama (Alabama Tigersnail)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	Anguispira alabama (Alabama Tigersnail)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	Anguispira cumberlandiana (Cumberland Tigersnail)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Gastropod	Anguispira cumberlandiana (Cumberland Tigersnail)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	Anguispira cumberlandiana (Cumberland Tigersnail)	South-Central Interior Mesophytic Forest				Suit		
Gastropod	Anguispira cumberlandiana (Cumberland Tigersnail)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	Anguispira cumberlandiana (Cumberland Tigersnail)	Southern Appalachian Low-Elevation Pine Forest				Marg		
Gastropod	Anguispira cumberlandiana (Cumberland Tigersnail)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	Anguispira cumberlandiana (Cumberland Tigersnail)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	Anguispira knoxensis (Rustic Tigersnail)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Gastropod	Anguispira knoxensis (Rustic Tigersnail)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	
Gastropod	Anguispira knoxensis (Rustic Tigersnail)	South-Central Interior Mesophytic Forest					Suit	
Gastropod	Anguispira knoxensis (Rustic Tigersnail)	Southern and Central Appalachian Cove Forest					Suit	
Gastropod	Anguispira knoxensis (Rustic Tigersnail)	Southern Appalachian Oak Forest					Suit	
Gastropod	Anguispira knoxensis (Rustic Tigersnail)	Southern Appalachian Low-Elevation Pine Forest					Marg	
Gastropod	Anguispira knoxensis (Rustic Tigersnail)	Southern Appalachian Montane Pine Forest and Woodland					Marg	
Gastropod	Anguispira knoxensis (Rustic Tigersnail)	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	
Gastropod	Anguispira knoxensis (Rustic Tigersnail)	Southern Ridge and Valley Patch Prairie					Suit	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Gastropod	Anguispira knoxensis (Rustic Tigersnail)	Southern Interior Calcareous Cliff					Suit	
Gastropod	Anguispira knoxensis (Rustic Tigersnail)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Gastropod	Anguispira knoxensis (Rustic Tigersnail)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Gastropod	Anguispira knoxensis (Rustic Tigersnail)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
Gastropod	Anguispira kochi (Banded Tigershell)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Gastropod	Anguispira kochi (Banded Tigershell)	Mississippi River Riparian Forest	Suit					
Gastropod	Anguispira picta (Painted Tigersnail)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg		
Gastropod	Anguispira picta (Painted Tigersnail)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg		
Gastropod	Anguispira picta (Painted Tigersnail)	South-Central Interior Mesophytic Forest				Suit		
Gastropod	Anguispira picta (Painted Tigersnail)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	Anguispira picta (Painted Tigersnail)	Southern Appalachian Low-Elevation Pine Forest				Marg		
Gastropod	Anguispira picta (Painted Tigersnail)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	Anguispira picta (Painted Tigersnail)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	Daedalochila auriformis (Rockpile Liptooth)	Western Highland Rim Prairie and Barrens			Suit			
Gastropod	Daedalochila auriformis (Rockpile Liptooth)	Eastern Highland Rim Prairie and Barrens			Pref			
Gastropod	Discus bryanti (Sawtooth Disc)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Gastropod	Discus bryanti (Sawtooth Disc)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	
Gastropod	Discus bryanti (Sawtooth Disc)	South-Central Interior Mesophytic Forest					Suit	
Gastropod	Discus bryanti (Sawtooth Disc)	Southern and Central Appalachian Cove Forest					Suit	Suit
Gastropod	Discus bryanti (Sawtooth Disc)	Southern Appalachian Oak Forest					Suit	Suit
Gastropod	Discus bryanti (Sawtooth Disc)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Discus bryanti (Sawtooth Disc)	Southern Appalachian Low-Elevation Pine Forest					Marg	Marg
Gastropod	Discus bryanti (Sawtooth Disc)	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg
Gastropod	Discus bryanti (Sawtooth Disc)	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	Suit
Gastropod	Discus bryanti (Sawtooth Disc)	Southern Interior Calcareous Cliff					Suit	Suit
Gastropod	Discus bryanti (Sawtooth Disc)	Southern Interior Sinkhole Wall					Suit	Suit
Gastropod	Discus clappi (Channelled Disc)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Gastropod	Discus clappi (Channelled Disc)	South-Central Interior Mesophytic Forest			Suit			
Gastropod	Euchemotrema fraternum montanum ((a pillsnail))	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Marg	
Gastropod	Euchemotrema fraternum montanum ((a pillsnail))	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	
Gastropod	Euchemotrema fraternum montanum ((a pillsnail))	South-Central Interior Mesophytic Forest					Suit	
Gastropod	Euchemotrema fraternum montanum ((a pillsnail))	Southern and Central Appalachian Cove Forest					Suit	Suit
Gastropod	Euchemotrema fraternum montanum ((a pillsnail))	Southern Appalachian Oak Forest					Suit	Suit
Gastropod	Euchemotrema fraternum montanum ((a pillsnail))	Southern Appalachian Northern Hardwood Forest						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Gastropod	<i>Euchemotrema fraternum montanum</i> ((a pillsnail))	Southern Appalachian Low-Elevation Pine Forest					Marg	Marg
Gastropod	<i>Euchemotrema fraternum montanum</i> ((a pillsnail))	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg
Gastropod	<i>Euchemotrema fraternum montanum</i> ((a pillsnail))	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	Suit
Gastropod	<i>Euchemotrema fraternum montanum</i> ((a pillsnail))	Southern Interior Sinkhole Wall					Suit	Suit
Gastropod	<i>Fumonelix archeri</i> (Ocoee Covert)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	<i>Fumonelix archeri</i> (Ocoee Covert)	Southern Appalachian Oak Forest						Suit
Gastropod	<i>Fumonelix archeri</i> (Ocoee Covert)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	<i>Fumonelix archeri</i> (Ocoee Covert)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	<i>Fumonelix archeri</i> (Ocoee Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	<i>Fumonelix archeri</i> (Ocoee Covert)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	<i>Fumonelix christyi</i> (Glossy Covert)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	<i>Fumonelix christyi</i> (Glossy Covert)	Southern Appalachian Oak Forest						Suit
Gastropod	<i>Fumonelix christyi</i> (Glossy Covert)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	<i>Fumonelix christyi</i> (Glossy Covert)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	<i>Fumonelix christyi</i> (Glossy Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	<i>Fumonelix christyi</i> (Glossy Covert)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	<i>Fumonelix jonesiana</i> (Big-tooth Covert)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	<i>Fumonelix jonesiana</i> (Big-tooth Covert)	Southern Appalachian Oak Forest						Suit
Gastropod	<i>Fumonelix jonesiana</i> (Big-tooth Covert)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	<i>Fumonelix jonesiana</i> (Big-tooth Covert)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	<i>Fumonelix jonesiana</i> (Big-tooth Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	<i>Fumonelix jonesiana</i> (Big-tooth Covert)	Central and Southern Appalachian Spruce-Fir Forest						Marg
Gastropod	<i>Fumonelix jonesiana</i> (Big-tooth Covert)	Appalachian (Hemlock)-Northern Hardwood Forest						Marg
Gastropod	<i>Fumonelix orestes</i> (Engraved Covert)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	<i>Fumonelix orestes</i> (Engraved Covert)	Southern Appalachian Oak Forest						Marg
Gastropod	<i>Fumonelix orestes</i> (Engraved Covert)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	<i>Fumonelix orestes</i> (Engraved Covert)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	<i>Fumonelix orestes</i> (Engraved Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	<i>Fumonelix orestes</i> (Engraved Covert)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	<i>Fumonelix orestes</i> (Engraved Covert)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	<i>Fumonelix wetherbyi</i> (Clifty Covert)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Marg	
Gastropod	<i>Fumonelix wetherbyi</i> (Clifty Covert)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	
Gastropod	<i>Fumonelix wetherbyi</i> (Clifty Covert)	South-Central Interior Mesophytic Forest					Suit	
Gastropod	<i>Fumonelix wetherbyi</i> (Clifty Covert)	Southern and Central Appalachian Cove Forest					Suit	
Gastropod	<i>Fumonelix wetherbyi</i> (Clifty Covert)	Southern Appalachian Low-Elevation Pine Forest					Marg	

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Gastropod	Fumonelix wetherbyi (Clifty Covert)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	Fumonelix wetherbyi (Clifty Covert)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	Fumonelix wheatleyi (Cinnamon Covert)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Fumonelix wheatleyi (Cinnamon Covert)	Southern Appalachian Oak Forest						Suit
Gastropod	Fumonelix wheatleyi (Cinnamon Covert)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Fumonelix wheatleyi (Cinnamon Covert)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Fumonelix wheatleyi (Cinnamon Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Fumonelix wheatleyi (Cinnamon Covert)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	Fumonelix wheatleyi (Cinnamon Covert)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Fumonelix wheatleyi clingmanicus (Clingman Covert)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Fumonelix wheatleyi clingmanicus (Clingman Covert)	Southern Appalachian Oak Forest						Suit
Gastropod	Fumonelix wheatleyi clingmanicus (Clingman Covert)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Fumonelix wheatleyi clingmanicus (Clingman Covert)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Fumonelix wheatleyi clingmanicus (Clingman Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Fumonelix wheatleyi clingmanicus (Clingman Covert)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	Fumonelix wheatleyi clingmanicus (Clingman Covert)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Glyphyalinia junaluskana (Dark Glyph)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Glyphyalinia junaluskana (Dark Glyph)	Southern Appalachian Oak Forest						Suit
Gastropod	Glyphyalinia junaluskana (Dark Glyph)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Glyphyalinia ocoae (Blue-gray Glyph)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Glyphyalinia ocoae (Blue-gray Glyph)	Southern Appalachian Oak Forest						Suit
Gastropod	Glyphyalinia ocoae (Blue-gray Glyph)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Glyphyalinia ocoae (Blue-gray Glyph)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Glyphyalinia ocoae (Blue-gray Glyph)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Glyphyalinia ocoae (Blue-gray Glyph)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Glyphyalinia pentadelphia (Pink Glyph)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest						Suit
Gastropod	Glyphyalinia pentadelphia (Pink Glyph)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit
Gastropod	Glyphyalinia pentadelphia (Pink Glyph)	South-Central Interior Mesophytic Forest						Suit
Gastropod	Glyphyalinia pentadelphia (Pink Glyph)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Glyphyalinia pentadelphia (Pink Glyph)	Southern Appalachian Oak Forest						Suit
Gastropod	Glyphyalinia pentadelphia (Pink Glyph)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Glyphyalinia pentadelphia (Pink Glyph)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Glyphyalinia pentadelphia (Pink Glyph)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Glyphyalinia pentadelphia (Pink Glyph)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Glyphyalinia rimula (Tongued Glyph)	Southern Interior Low Plateau Dry-Mesic Oak Forest				Suit		

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Gastropod	<i>Glyphyalinia rimula</i> (Tongued Glyph)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Gastropod	<i>Glyphyalinia rimula</i> (Tongued Glyph)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	<i>Glyphyalinia rimula</i> (Tongued Glyph)	South-Central Interior Mesophytic Forest			Suit	Suit		
Gastropod	<i>Glyphyalinia rimula</i> (Tongued Glyph)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	<i>Glyphyalinia rimula</i> (Tongued Glyph)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg		
Gastropod	<i>Glyphyalinia rimula</i> (Tongued Glyph)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	<i>Glyphyalinia rimula</i> (Tongued Glyph)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	<i>Glyphyalinia rimula</i> (Tongued Glyph)	Central Interior Calcareous Cliff and Talus			Suit			
Gastropod	<i>Glyphyalinia rimula</i> (Tongued Glyph)	Southern Interior Sinkhole Wall			Suit			
Gastropod	<i>Haplotrema kendeighi</i> (Blue-footed Lancetooth)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	<i>Haplotrema kendeighi</i> (Blue-footed Lancetooth)	Southern Appalachian Oak Forest						Suit
Gastropod	<i>Haplotrema kendeighi</i> (Blue-footed Lancetooth)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	<i>Haplotrema kendeighi</i> (Blue-footed Lancetooth)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	<i>Haplotrema kendeighi</i> (Blue-footed Lancetooth)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	<i>Haplotrema kendeighi</i> (Blue-footed Lancetooth)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	<i>Haplotrema kendeighi</i> (Blue-footed Lancetooth)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	<i>Helicodiscus aldrichianus</i> (Burrowing Coil)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Gastropod	<i>Helicodiscus aldrichianus</i> (Burrowing Coil)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Gastropod	<i>Helicodiscus aldrichianus</i> (Burrowing Coil)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	<i>Helicodiscus aldrichianus</i> (Burrowing Coil)	South-Central Interior Mesophytic Forest			Suit	Suit		
Gastropod	<i>Helicodiscus aldrichianus</i> (Burrowing Coil)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	<i>Helicodiscus aldrichianus</i> (Burrowing Coil)	Southern Appalachian Low-Elevation Pine Forest				Marg		
Gastropod	<i>Helicodiscus aldrichianus</i> (Burrowing Coil)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	<i>Helicodiscus aldrichianus</i> (Burrowing Coil)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	<i>Helicodiscus aldrichianus</i> (Burrowing Coil)	Central Interior Acidic Cliff and Talus			Suit			
Gastropod	<i>Helicodiscus aldrichianus</i> (Burrowing Coil)	Central Interior Calcareous Cliff and Talus			Suit			
Gastropod	<i>Helicodiscus aldrichianus</i> (Burrowing Coil)	Cumberland Acidic Cliff and Rockhouse				Suit		
Gastropod	<i>Helicodiscus aldrichianus</i> (Burrowing Coil)	Southern Appalachian Montane Cliff and Talus				Suit		
Gastropod	<i>Helicodiscus enneodon</i> (Bluff Coil)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Gastropod	<i>Helicodiscus enneodon</i> (Bluff Coil)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	
Gastropod	<i>Helicodiscus enneodon</i> (Bluff Coil)	South-Central Interior Mesophytic Forest					Suit	
Gastropod	<i>Helicodiscus enneodon</i> (Bluff Coil)	Southern and Central Appalachian Cove Forest					Suit	
Gastropod	<i>Helicodiscus enneodon</i> (Bluff Coil)	Southern Appalachian Oak Forest					Suit	
Gastropod	<i>Helicodiscus enneodon</i> (Bluff Coil)	Southern Appalachian Low-Elevation Pine Forest					Marg	

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Gastropod	Helicodiscus enneodon (Bluff Coil)	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	
Gastropod	Helicodiscus enneodon (Bluff Coil)	Southern Interior Calcareous Cliff					Suit	
Gastropod	Helicodiscus enneodon (Bluff Coil)	Southern Interior Sinkhole Wall					Suit	
Gastropod	Helicodiscus fimbriatus (Fringed Coil)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Helicodiscus fimbriatus (Fringed Coil)	Southern Appalachian Oak Forest						Suit
Gastropod	Helicodiscus fimbriatus (Fringed Coil)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Helicodiscus fimbriatus (Fringed Coil)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Helicodiscus fimbriatus (Fringed Coil)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Helicodiscus hexodon (Toothy Coil)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Marg	
Gastropod	Helicodiscus hexodon (Toothy Coil)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	
Gastropod	Helicodiscus hexodon (Toothy Coil)	South-Central Interior Mesophytic Forest					Suit	
Gastropod	Helicodiscus hexodon (Toothy Coil)	Southern and Central Appalachian Cove Forest					Suit	
Gastropod	Helicodiscus hexodon (Toothy Coil)	Southern Appalachian Low-Elevation Pine Forest					Marg	
Gastropod	Helicodiscus hexodon (Toothy Coil)	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	
Gastropod	Inflectarius downieanus (Dwarf Globelet)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Gastropod	Inflectarius downieanus (Dwarf Globelet)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	
Gastropod	Inflectarius downieanus (Dwarf Globelet)	South-Central Interior Mesophytic Forest					Suit	
Gastropod	Inflectarius downieanus (Dwarf Globelet)	Southern and Central Appalachian Cove Forest					Suit	Suit
Gastropod	Inflectarius downieanus (Dwarf Globelet)	Southern Appalachian Oak Forest						Suit
Gastropod	Inflectarius downieanus (Dwarf Globelet)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Inflectarius downieanus (Dwarf Globelet)	Southern Appalachian Low-Elevation Pine Forest					Suit	Suit
Gastropod	Inflectarius downieanus (Dwarf Globelet)	Southern Appalachian Montane Pine Forest and Woodland					Suit	Suit
Gastropod	Inflectarius downieanus (Dwarf Globelet)	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	Suit
Gastropod	Inflectarius ferrissi (Smoky Mountain Covert)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Inflectarius ferrissi (Smoky Mountain Covert)	Southern Appalachian Oak Forest						Suit
Gastropod	Inflectarius ferrissi (Smoky Mountain Covert)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Inflectarius ferrissi (Smoky Mountain Covert)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Inflectarius ferrissi (Smoky Mountain Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Inflectarius ferrissi (Smoky Mountain Covert)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	Inflectarius ferrissi (Smoky Mountain Covert)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Inflectarius kalmianus (Brown Globelet)	Central Interior Highlands Dry Acidic Glade and Barrens					Suit	
Gastropod	Inflectarius kalmianus (Brown Globelet)	Central Interior Highlands Calcareous Glade and Barrens					Suit	Suit
Gastropod	Inflectarius kalmianus (Brown Globelet)	Nashville Basin Limestone Glade and Woodland					Marg	
Gastropod	Inflectarius kalmianus (Brown Globelet)	Cumberland Sandstone Glade and Barrens					Marg	
Gastropod	Inflectarius kalmianus (Brown Globelet)	Pennyroyal Karst Plain Prairie and Barrens					Suit	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Gastropod	<i>Inflectarius kalmianus</i> (Brown Globelet)	Western Highland Rim Prairie and Barrens			Suit			
Gastropod	<i>Inflectarius kalmianus</i> (Brown Globelet)	Eastern Highland Rim Prairie and Barrens			Suit			
Gastropod	<i>Inflectarius kalmianus</i> (Brown Globelet)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Gastropod	<i>Inflectarius kalmianus</i> (Brown Globelet)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Gastropod	<i>Inflectarius kalmianus</i> (Brown Globelet)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Gastropod	<i>Inflectarius smithi</i> (Alabama Shagreen)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Gastropod	<i>Inflectarius smithi</i> (Alabama Shagreen)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	<i>Inflectarius smithi</i> (Alabama Shagreen)	South-Central Interior Mesophytic Forest				Suit		
Gastropod	<i>Inflectarius smithi</i> (Alabama Shagreen)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	<i>Inflectarius smithi</i> (Alabama Shagreen)	Southern Appalachian Low-Elevation Pine Forest				Marg		
Gastropod	<i>Inflectarius smithi</i> (Alabama Shagreen)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	<i>Inflectarius smithi</i> (Alabama Shagreen)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	<i>Inflectarius subpalliatius</i> (Velvet Covert)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	<i>Inflectarius subpalliatius</i> (Velvet Covert)	Southern Appalachian Oak Forest						Suit
Gastropod	<i>Inflectarius subpalliatius</i> (Velvet Covert)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	<i>Inflectarius subpalliatius</i> (Velvet Covert)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	<i>Inflectarius subpalliatius</i> (Velvet Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	<i>Inflectarius subpalliatius</i> (Velvet Covert)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	<i>Inflectarius subpalliatius</i> (Velvet Covert)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	<i>Megapallifera wetherbyi</i> (Blotchy Mantleslug)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Gastropod	<i>Megapallifera wetherbyi</i> (Blotchy Mantleslug)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	<i>Megapallifera wetherbyi</i> (Blotchy Mantleslug)	South-Central Interior Mesophytic Forest				Suit		
Gastropod	<i>Megapallifera wetherbyi</i> (Blotchy Mantleslug)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	<i>Megapallifera wetherbyi</i> (Blotchy Mantleslug)	Southern Appalachian Low-Elevation Pine Forest				Marg		
Gastropod	<i>Megapallifera wetherbyi</i> (Blotchy Mantleslug)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	<i>Megapallifera wetherbyi</i> (Blotchy Mantleslug)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	<i>Mesodon altivagus</i> (Wandering Globe)	Southern and Central Appalachian Cove Forest						Marg
Gastropod	<i>Mesodon altivagus</i> (Wandering Globe)	Southern Appalachian Oak Forest						Marg
Gastropod	<i>Mesodon altivagus</i> (Wandering Globe)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	<i>Mesodon altivagus</i> (Wandering Globe)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	<i>Mesodon altivagus</i> (Wandering Globe)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	<i>Mesodon altivagus</i> (Wandering Globe)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	<i>Mesodon altivagus</i> (Wandering Globe)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	<i>Mesodon andrewsae</i> (Balsam Globe)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	<i>Mesodon andrewsae</i> (Balsam Globe)	Southern Appalachian Oak Forest						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Gastropod	Mesodon andrewsae (Balsam Globe)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Mesodon andrewsae (Balsam Globe)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Mesodon andrewsae (Balsam Globe)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Mesodon andrewsae (Balsam Globe)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	Mesodon andrewsae (Balsam Globe)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Mesodon sanus (Squat Globelet)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg		
Gastropod	Mesodon sanus (Squat Globelet)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg		
Gastropod	Mesodon sanus (Squat Globelet)	South-Central Interior Mesophytic Forest				Suit		
Gastropod	Mesodon sanus (Squat Globelet)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	Mesodon sanus (Squat Globelet)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	Mesodon sanus (Squat Globelet)	Cumberland Seepage Forest				Marg		
Gastropod	Mesodon sanus (Squat Globelet)	Southern Appalachian Montane Cliff and Talus				Suit		
Gastropod	Mesomphix andrewsae (Mountain Button)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Mesomphix andrewsae (Mountain Button)	Southern Appalachian Oak Forest						Marg
Gastropod	Mesomphix andrewsae (Mountain Button)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Mesomphix andrewsae (Mountain Button)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Mesomphix andrewsae (Mountain Button)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Mesomphix andrewsae (Mountain Button)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Mesomphix rugeli (Wrinkled Button)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Gastropod	Mesomphix rugeli (Wrinkled Button)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Gastropod	Mesomphix rugeli (Wrinkled Button)	South-Central Interior Mesophytic Forest				Suit	Suit	
Gastropod	Mesomphix rugeli (Wrinkled Button)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Gastropod	Mesomphix rugeli (Wrinkled Button)	Southern Appalachian Oak Forest					Suit	Suit
Gastropod	Mesomphix rugeli (Wrinkled Button)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Mesomphix rugeli (Wrinkled Button)	Southern Appalachian Low-Elevation Pine Forest				Marg	Marg	Marg
Gastropod	Mesomphix rugeli (Wrinkled Button)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Gastropod	Mesomphix rugeli (Wrinkled Button)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	Mesomphix rugeli (Wrinkled Button)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Gastropod	Mesomphix rugeli (Wrinkled Button)	Southern Interior Sinkhole Wall					Suit	Suit
Gastropod	Mesomphix subplanus (Flat Button)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Mesomphix subplanus (Flat Button)	Southern Appalachian Oak Forest						Suit
Gastropod	Mesomphix subplanus (Flat Button)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Mesomphix subplanus (Flat Button)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Mesomphix subplanus (Flat Button)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Mesomphix subplanus (Flat Button)	Central and Southern Appalachian Spruce-Fir Forest						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Gastropod	Mesomphix subplanus (Flat Button)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Paravitrea alethia (Goddess Supercoil)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Marg	
Gastropod	Paravitrea alethia (Goddess Supercoil)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	
Gastropod	Paravitrea alethia (Goddess Supercoil)	South-Central Interior Mesophytic Forest					Suit	
Gastropod	Paravitrea alethia (Goddess Supercoil)	Southern and Central Appalachian Cove Forest					Suit	
Gastropod	Paravitrea alethia (Goddess Supercoil)	Southern Appalachian Oak Forest					Marg	
Gastropod	Paravitrea alethia (Goddess Supercoil)	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	
Gastropod	Paravitrea andrewsae (High Mountain Supercoil)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Paravitrea andrewsae (High Mountain Supercoil)	Southern Appalachian Oak Forest						Marg
Gastropod	Paravitrea andrewsae (High Mountain Supercoil)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Paravitrea andrewsae (High Mountain Supercoil)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Paravitrea bellona (Club Supercoil)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Marg	
Gastropod	Paravitrea bellona (Club Supercoil)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	
Gastropod	Paravitrea bellona (Club Supercoil)	South-Central Interior Mesophytic Forest					Suit	
Gastropod	Paravitrea bellona (Club Supercoil)	Southern and Central Appalachian Cove Forest					Suit	
Gastropod	Paravitrea bellona (Club Supercoil)	Southern Appalachian Low-Elevation Pine Forest					Marg	
Gastropod	Paravitrea bellona (Club Supercoil)	Southern Appalachian Montane Pine Forest and Woodland					Marg	
Gastropod	Paravitrea bellona (Club Supercoil)	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	
Gastropod	Paravitrea blarina (Shrew Supercoil)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Gastropod	Paravitrea blarina (Shrew Supercoil)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Gastropod	Paravitrea blarina (Shrew Supercoil)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	
Gastropod	Paravitrea blarina (Shrew Supercoil)	South-Central Interior Mesophytic Forest					Suit	
Gastropod	Paravitrea blarina (Shrew Supercoil)	Southern and Central Appalachian Cove Forest					Suit	
Gastropod	Paravitrea blarina (Shrew Supercoil)	Southern Appalachian Oak Forest					Suit	
Gastropod	Paravitrea blarina (Shrew Supercoil)	Southern Appalachian Low-Elevation Pine Forest			Marg		Marg	
Gastropod	Paravitrea blarina (Shrew Supercoil)	Southern Appalachian Montane Pine Forest and Woodland					Marg	
Gastropod	Paravitrea blarina (Shrew Supercoil)	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	
Gastropod	Paravitrea blarina (Shrew Supercoil)	Central Interior Calcareous Cliff and Talus			Suit			
Gastropod	Paravitrea blarina (Shrew Supercoil)	Southern Interior Calcareous Cliff					Suit	
Gastropod	Paravitrea calcicola (Pearl Supercoil)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Marg	
Gastropod	Paravitrea calcicola (Pearl Supercoil)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	
Gastropod	Paravitrea calcicola (Pearl Supercoil)	South-Central Interior Mesophytic Forest					Suit	
Gastropod	Paravitrea calcicola (Pearl Supercoil)	Southern and Central Appalachian Cove Forest					Suit	
Gastropod	Paravitrea calcicola (Pearl Supercoil)	Southern Appalachian Low-Elevation Pine Forest					Marg	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Gastropod	Paravitrea calcicola (Pearl Supercoil)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	Paravitrea calcicola (Pearl Supercoil)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	Paravitrea calcicola (Pearl Supercoil)	Southern Appalachian Montane Cliff and Talus				Suit		
Gastropod	Paravitrea clappi (Mirey Ridge Supercoil)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Paravitrea clappi (Mirey Ridge Supercoil)	Southern Appalachian Oak Forest						Marg
Gastropod	Paravitrea clappi (Mirey Ridge Supercoil)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Paravitrea clappi (Mirey Ridge Supercoil)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Paravitrea clappi (Mirey Ridge Supercoil)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Paravitrea clappi (Mirey Ridge Supercoil)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	Paravitrea clappi (Mirey Ridge Supercoil)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Paravitrea lamellidens (Lamellate Supercoil)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Paravitrea lamellidens (Lamellate Supercoil)	Southern Appalachian Oak Forest						Suit
Gastropod	Paravitrea lamellidens (Lamellate Supercoil)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Paravitrea lamellidens (Lamellate Supercoil)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Paravitrea lamellidens (Lamellate Supercoil)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Paravitrea lamellidens (Lamellate Supercoil)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Paravitrea lapilla (Gem Supercoil)	Southern Interior Low Plateau Dry-Mesic Oak Forest				Marg		
Gastropod	Paravitrea lapilla (Gem Supercoil)	South-Central Interior Mesophytic Forest				Suit		
Gastropod	Paravitrea lapilla (Gem Supercoil)	Central Interior Calcareous Cliff and Talus				Suit		
Gastropod	Paravitrea metallacta (Caney Fork Supercoil)	Southern Interior Low Plateau Dry-Mesic Oak Forest				Suit		
Gastropod	Paravitrea metallacta (Caney Fork Supercoil)	South-Central Interior Mesophytic Forest				Suit		
Gastropod	Paravitrea metallacta (Caney Fork Supercoil)	Central Interior Highlands Calcareous Glade and Barrens				Suit		
Gastropod	Paravitrea metallacta (Caney Fork Supercoil)	Eastern Highland Rim Prairie and Barrens				Marg		
Gastropod	Paravitrea metallacta (Caney Fork Supercoil)	Central Interior Calcareous Cliff and Talus				Suit		
Gastropod	Paravitrea petrophila (Cherokee Supercoil)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Gastropod	Paravitrea petrophila (Cherokee Supercoil)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Gastropod	Paravitrea petrophila (Cherokee Supercoil)	South-Central Interior Mesophytic Forest				Suit	Suit	
Gastropod	Paravitrea petrophila (Cherokee Supercoil)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Gastropod	Paravitrea petrophila (Cherokee Supercoil)	Southern Appalachian Oak Forest					Suit	Suit
Gastropod	Paravitrea petrophila (Cherokee Supercoil)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Paravitrea petrophila (Cherokee Supercoil)	Southern Appalachian Low-Elevation Pine Forest				Marg	Marg	Marg
Gastropod	Paravitrea petrophila (Cherokee Supercoil)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Gastropod	Paravitrea petrophila (Cherokee Supercoil)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Gastropod	Paravitrea petrophila (Cherokee Supercoil)	Southern Interior Calcareous Cliff					Suit	Suit
Gastropod	Paravitrea petrophila (Cherokee Supercoil)	Southern Interior Sinkhole Wall					Suit	Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Gastropod	Paravitrea placentula (Glossy Supercoil)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Marg	
Gastropod	Paravitrea placentula (Glossy Supercoil)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	
Gastropod	Paravitrea placentula (Glossy Supercoil)	South-Central Interior Mesophytic Forest					Suit	
Gastropod	Paravitrea placentula (Glossy Supercoil)	Southern and Central Appalachian Cove Forest					Suit	Suit
Gastropod	Paravitrea placentula (Glossy Supercoil)	Southern Appalachian Oak Forest					Marg	Marg
Gastropod	Paravitrea placentula (Glossy Supercoil)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Paravitrea placentula (Glossy Supercoil)	Southern Appalachian Low-Elevation Pine Forest					Marg	Marg
Gastropod	Paravitrea placentula (Glossy Supercoil)	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg
Gastropod	Paravitrea placentula (Glossy Supercoil)	Central and Southern Appalachian Spruce-Fir Forest						Marg
Gastropod	Paravitrea placentula (Glossy Supercoil)	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	Suit
Gastropod	Paravitrea placentula (Glossy Supercoil)	Southern Interior Calcareous Cliff					Suit	Suit
Gastropod	Paravitrea reesei (Round Supercoil)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Paravitrea reesei (Round Supercoil)	Southern Appalachian Oak Forest						Suit
Gastropod	Paravitrea reesei (Round Supercoil)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Paravitrea reesei (Round Supercoil)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Paravitrea reesei (Round Supercoil)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Paravitrea reesei (Round Supercoil)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Paravitrea subtilis (Slender Supercoil)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Gastropod	Paravitrea subtilis (Slender Supercoil)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Marg	
Gastropod	Paravitrea subtilis (Slender Supercoil)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	
Gastropod	Paravitrea subtilis (Slender Supercoil)	South-Central Interior Mesophytic Forest			Suit	Suit		
Gastropod	Paravitrea subtilis (Slender Supercoil)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	Paravitrea subtilis (Slender Supercoil)	Southern Appalachian Low-Elevation Pine Forest					Marg	
Gastropod	Paravitrea subtilis (Slender Supercoil)	Southern Appalachian Montane Pine Forest and Woodland					Marg	
Gastropod	Paravitrea subtilis (Slender Supercoil)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	Paravitrea tantilla (Teasing Supercoil)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Marg	Marg
Gastropod	Paravitrea tantilla (Teasing Supercoil)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	Marg
Gastropod	Paravitrea tantilla (Teasing Supercoil)	South-Central Interior Mesophytic Forest				Suit	Suit	
Gastropod	Paravitrea tantilla (Teasing Supercoil)	Southern and Central Appalachian Cove Forest				Suit	Suit	
Gastropod	Paravitrea tantilla (Teasing Supercoil)	Southern Appalachian Oak Forest					Suit	
Gastropod	Paravitrea tantilla (Teasing Supercoil)	Southern Appalachian Low-Elevation Pine Forest					Marg	Marg
Gastropod	Paravitrea tantilla (Teasing Supercoil)	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg
Gastropod	Paravitrea tantilla (Teasing Supercoil)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	
Gastropod	Paravitrea tantilla (Teasing Supercoil)	Southern Interior Calcareous Cliff					Suit	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Gastropod	Paravitrea tantilla (Teasing Supercoil)	Southern Interior Sinkhole Wall					Suit	
Gastropod	Paravitrea ternaria (Sculpted Supercoil)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Paravitrea ternaria (Sculpted Supercoil)	Southern Appalachian Oak Forest						Suit
Gastropod	Paravitrea ternaria (Sculpted Supercoil)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Paravitrea ternaria (Sculpted Supercoil)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Paravitrea ternaria (Sculpted Supercoil)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Paravitrea ternaria (Sculpted Supercoil)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Paravitrea tridens (White-foot Supercoil)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Gastropod	Paravitrea tridens (White-foot Supercoil)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	
Gastropod	Paravitrea tridens (White-foot Supercoil)	South-Central Interior Mesophytic Forest					Suit	
Gastropod	Paravitrea tridens (White-foot Supercoil)	Southern and Central Appalachian Cove Forest					Suit	Suit
Gastropod	Paravitrea tridens (White-foot Supercoil)	Southern Appalachian Oak Forest					Suit	Suit
Gastropod	Paravitrea tridens (White-foot Supercoil)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Paravitrea tridens (White-foot Supercoil)	Southern Appalachian Low-Elevation Pine Forest					Marg	Marg
Gastropod	Paravitrea tridens (White-foot Supercoil)	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg
Gastropod	Paravitrea tridens (White-foot Supercoil)	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	Suit
Gastropod	Paravitrea tridens (White-foot Supercoil)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	Suit
Gastropod	Paravitrea umbilicaris (Open Supercoil)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	Suit
Gastropod	Paravitrea umbilicaris (Open Supercoil)	South-Central Interior Mesophytic Forest					Suit	Suit
Gastropod	Paravitrea umbilicaris (Open Supercoil)	Southern and Central Appalachian Cove Forest					Suit	Suit
Gastropod	Paravitrea umbilicaris (Open Supercoil)	Southern Appalachian Oak Forest					Suit	Suit
Gastropod	Paravitrea umbilicaris (Open Supercoil)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Paravitrea umbilicaris (Open Supercoil)	Southern Appalachian Low-Elevation Pine Forest					Marg	Marg
Gastropod	Paravitrea umbilicaris (Open Supercoil)	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg
Gastropod	Paravitrea umbilicaris (Open Supercoil)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	Paravitrea umbilicaris (Open Supercoil)	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	Suit
Gastropod	Paravitrea umbilicaris (Open Supercoil)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	Suit
Gastropod	Paravitrea variabilis (Variable Supercoil)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	
Gastropod	Paravitrea variabilis (Variable Supercoil)	South-Central Interior Mesophytic Forest					Suit	
Gastropod	Paravitrea variabilis (Variable Supercoil)	Southern and Central Appalachian Cove Forest					Suit	
Gastropod	Paravitrea variabilis (Variable Supercoil)	Southern Appalachian Low-Elevation Pine Forest					Marg	
Gastropod	Paravitrea variabilis (Variable Supercoil)	Southern Appalachian Montane Pine Forest and Woodland					Marg	
Gastropod	Paravitrea variabilis (Variable Supercoil)	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	
Gastropod	Paravitrea varidens (Roan Supercoil)	Southern and Central Appalachian Cove Forest						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Gastropod	Paravitrea varidens (Roan Supercoil)	Southern Appalachian Oak Forest						Suit
Gastropod	Paravitrea varidens (Roan Supercoil)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Paravitrea varidens (Roan Supercoil)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Paravitrea varidens (Roan Supercoil)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Paravitrea varidens (Roan Supercoil)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	Paravitrea varidens (Roan Supercoil)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Paravitrea varidens (Roan Supercoil)	Southern Appalachian Grass and Shrub Bald						Suit
Gastropod	Patera clarki (Dwarf Proud Globe)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Patera clarki (Dwarf Proud Globe)	Southern Appalachian Oak Forest						Suit
Gastropod	Patera clarki (Dwarf Proud Globe)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Patera clarki (Dwarf Proud Globe)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Patera clarki (Dwarf Proud Globe)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Patera clarki (Dwarf Proud Globe)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	Patera clarki (Dwarf Proud Globe)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Philomycus sellatus (Alabama Mantleslug)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest						Suit
Gastropod	Philomycus sellatus (Alabama Mantleslug)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit
Gastropod	Philomycus sellatus (Alabama Mantleslug)	South-Central Interior Mesophytic Forest						Suit
Gastropod	Philomycus sellatus (Alabama Mantleslug)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Philomycus sellatus (Alabama Mantleslug)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Philomycus sellatus (Alabama Mantleslug)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Philomycus sellatus (Alabama Mantleslug)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Philomycus virginicus (Virginia Mantleslug)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest						Suit
Gastropod	Philomycus virginicus (Virginia Mantleslug)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit
Gastropod	Philomycus virginicus (Virginia Mantleslug)	South-Central Interior Mesophytic Forest						Suit
Gastropod	Philomycus virginicus (Virginia Mantleslug)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Philomycus virginicus (Virginia Mantleslug)	Southern Appalachian Oak Forest						Suit
Gastropod	Philomycus virginicus (Virginia Mantleslug)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Philomycus virginicus (Virginia Mantleslug)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Philomycus virginicus (Virginia Mantleslug)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Pilsbryna aurea (Ornate Bud)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Pilsbryna aurea (Ornate Bud)	Southern Appalachian Oak Forest						Suit
Gastropod	Pilsbryna aurea (Ornate Bud)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Pilsbryna aurea (Ornate Bud)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Pilsbryna aurea (Ornate Bud)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Pilsbryna aurea (Ornate Bud)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Gastropod	<i>Pilsbryna castanea</i> (Prominent Bud)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Gastropod	<i>Pilsbryna castanea</i> (Prominent Bud)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	<i>Pilsbryna castanea</i> (Prominent Bud)	South-Central Interior Mesophytic Forest				Suit		
Gastropod	<i>Pilsbryna castanea</i> (Prominent Bud)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	<i>Pilsbryna castanea</i> (Prominent Bud)	Southern Appalachian Low-Elevation Pine Forest				Marg		
Gastropod	<i>Pilsbryna castanea</i> (Prominent Bud)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	<i>Pilsbryna castanea</i> (Prominent Bud)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	<i>Pilsbryna vanattai</i> (Honey Glyph)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	<i>Pilsbryna vanattai</i> (Honey Glyph)	Southern Appalachian Oak Forest						Suit
Gastropod	<i>Pilsbryna vanattai</i> (Honey Glyph)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	<i>Pilsbryna vanattai</i> (Honey Glyph)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	<i>Pilsbryna vanattai</i> (Honey Glyph)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	<i>Pilsbryna vanattai</i> (Honey Glyph)	Central and Southern Appalachian Spruce-Fir Forest						Marg
Gastropod	<i>Pilsbryna vanattai</i> (Honey Glyph)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	<i>Stenotrema altispira</i> (Highland Slitmouth)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	<i>Stenotrema altispira</i> (Highland Slitmouth)	Southern Appalachian Oak Forest						Suit
Gastropod	<i>Stenotrema altispira</i> (Highland Slitmouth)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	<i>Stenotrema altispira</i> (Highland Slitmouth)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	<i>Stenotrema altispira</i> (Highland Slitmouth)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	<i>Stenotrema altispira</i> (Highland Slitmouth)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	<i>Stenotrema altispira</i> (Highland Slitmouth)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	<i>Stenotrema angellum</i> (Kentucky Slitmouth)	Southern Interior Low Plateau Dry-Mesic Oak Forest				Suit		
Gastropod	<i>Stenotrema angellum</i> (Kentucky Slitmouth)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest						Suit
Gastropod	<i>Stenotrema angellum</i> (Kentucky Slitmouth)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	<i>Stenotrema angellum</i> (Kentucky Slitmouth)	South-Central Interior Mesophytic Forest				Suit	Suit	
Gastropod	<i>Stenotrema angellum</i> (Kentucky Slitmouth)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	<i>Stenotrema angellum</i> (Kentucky Slitmouth)	Southern Appalachian Low-Elevation Pine Forest				Marg	Marg	
Gastropod	<i>Stenotrema angellum</i> (Kentucky Slitmouth)	Southern Appalachian Montane Pine Forest and Woodland					Marg	
Gastropod	<i>Stenotrema angellum</i> (Kentucky Slitmouth)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	<i>Stenotrema calvescens</i> (Chattanooga Slitmouth)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest						Suit
Gastropod	<i>Stenotrema calvescens</i> (Chattanooga Slitmouth)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit
Gastropod	<i>Stenotrema calvescens</i> (Chattanooga Slitmouth)	South-Central Interior Mesophytic Forest						Suit
Gastropod	<i>Stenotrema calvescens</i> (Chattanooga Slitmouth)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	<i>Stenotrema calvescens</i> (Chattanooga Slitmouth)	Southern Appalachian Oak Forest						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Gastropod	<i>Stenotrema calvescens</i> (Chattanooga Slitmouth)	Southern Appalachian Low-Elevation Pine Forest				Suit	Suit	
Gastropod	<i>Stenotrema calvescens</i> (Chattanooga Slitmouth)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	
Gastropod	<i>Stenotrema calvescens</i> (Chattanooga Slitmouth)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	
Gastropod	<i>Stenotrema calvescens</i> (Chattanooga Slitmouth)	Southern Ridge and Valley Patch Prairie					Marg	
Gastropod	<i>Stenotrema calvescens</i> (Chattanooga Slitmouth)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
Gastropod	<i>Stenotrema calvescens</i> (Chattanooga Slitmouth)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Gastropod	<i>Stenotrema cohuttense</i> (Cohutta Slitmouth)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	<i>Stenotrema cohuttense</i> (Cohutta Slitmouth)	Southern Appalachian Oak Forest						Suit
Gastropod	<i>Stenotrema cohuttense</i> (Cohutta Slitmouth)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	<i>Stenotrema cohuttense</i> (Cohutta Slitmouth)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	<i>Stenotrema cohuttense</i> (Cohutta Slitmouth)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	<i>Stenotrema cohuttense</i> (Cohutta Slitmouth)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	<i>Stenotrema depilatum</i> (Great Smoky Slitmouth)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	<i>Stenotrema depilatum</i> (Great Smoky Slitmouth)	Southern Appalachian Oak Forest						Suit
Gastropod	<i>Stenotrema depilatum</i> (Great Smoky Slitmouth)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	<i>Stenotrema depilatum</i> (Great Smoky Slitmouth)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	<i>Stenotrema depilatum</i> (Great Smoky Slitmouth)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	<i>Stenotrema depilatum</i> (Great Smoky Slitmouth)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	<i>Stenotrema depilatum</i> (Great Smoky Slitmouth)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	<i>Stenotrema edgarianum</i> (Sequatchie Slitmouth)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Gastropod	<i>Stenotrema edgarianum</i> (Sequatchie Slitmouth)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	<i>Stenotrema edgarianum</i> (Sequatchie Slitmouth)	South-Central Interior Mesophytic Forest				Suit		
Gastropod	<i>Stenotrema edgarianum</i> (Sequatchie Slitmouth)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	<i>Stenotrema edgarianum</i> (Sequatchie Slitmouth)	Southern Appalachian Low-Elevation Pine Forest				Marg		
Gastropod	<i>Stenotrema edgarianum</i> (Sequatchie Slitmouth)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	<i>Stenotrema edgarianum</i> (Sequatchie Slitmouth)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	<i>Stenotrema exodon</i> (Alabama Slitmouth)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Gastropod	<i>Stenotrema exodon</i> (Alabama Slitmouth)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Gastropod	<i>Stenotrema exodon</i> (Alabama Slitmouth)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Gastropod	<i>Stenotrema exodon</i> (Alabama Slitmouth)	South-Central Interior Mesophytic Forest			Suit	Suit	Suit	
Gastropod	<i>Stenotrema exodon</i> (Alabama Slitmouth)	Southern and Central Appalachian Cove Forest				Suit	Suit	
Gastropod	<i>Stenotrema exodon</i> (Alabama Slitmouth)	Southern Appalachian Oak Forest					Marg	
Gastropod	<i>Stenotrema exodon</i> (Alabama Slitmouth)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Suit	
Gastropod	<i>Stenotrema exodon</i> (Alabama Slitmouth)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	
Gastropod	<i>Stenotrema exodon</i> (Alabama Slitmouth)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Marg	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Gastropod	Stenotrema exodon (Alabama Slitmouth)	Central Interior Calcareous Cliff and Talus			Suit			
Gastropod	Stenotrema exodon (Alabama Slitmouth)	Southern Interior Calcareous Cliff					Suit	
Gastropod	Stenotrema magnafumosum (Appalachian Slitmouth)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Gastropod	Stenotrema magnafumosum (Appalachian Slitmouth)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Gastropod	Stenotrema magnafumosum (Appalachian Slitmouth)	South-Central Interior Mesophytic Forest				Suit	Suit	
Gastropod	Stenotrema magnafumosum (Appalachian Slitmouth)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Gastropod	Stenotrema magnafumosum (Appalachian Slitmouth)	Southern Appalachian Oak Forest					Suit	Suit
Gastropod	Stenotrema magnafumosum (Appalachian Slitmouth)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Stenotrema magnafumosum (Appalachian Slitmouth)	Southern Appalachian Low-Elevation Pine Forest				Marg	Marg	Marg
Gastropod	Stenotrema magnafumosum (Appalachian Slitmouth)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Gastropod	Stenotrema magnafumosum (Appalachian Slitmouth)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Gastropod	Stenotrema pilula (Pygmy Slitmouth)	Southern and Central Appalachian Cove Forest						Marg
Gastropod	Stenotrema pilula (Pygmy Slitmouth)	Southern Appalachian Oak Forest						Suit
Gastropod	Stenotrema pilula (Pygmy Slitmouth)	Southern Appalachian Northern Hardwood Forest						Marg
Gastropod	Stenotrema pilula (Pygmy Slitmouth)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Stenotrema pilula (Pygmy Slitmouth)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Stenotrema pilula (Pygmy Slitmouth)	Appalachian (Hemlock)-Northern Hardwood Forest						Marg
Gastropod	Stenotrema waldense (Doaks Creek Slitmouth)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Marg	
Gastropod	Stenotrema waldense (Doaks Creek Slitmouth)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	
Gastropod	Stenotrema waldense (Doaks Creek Slitmouth)	South-Central Interior Mesophytic Forest					Suit	
Gastropod	Stenotrema waldense (Doaks Creek Slitmouth)	Southern and Central Appalachian Cove Forest					Suit	
Gastropod	Stenotrema waldense (Doaks Creek Slitmouth)	Appalachian (Hemlock)-Northern Hardwood Forest					Marg	
Gastropod	Stenotrema waldense (Doaks Creek Slitmouth)	Southern Interior Calcareous Cliff					Suit	
Gastropod	Striatura exigua (Ribbed Striate)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Striatura exigua (Ribbed Striate)	Southern Appalachian Oak Forest						Marg
Gastropod	Striatura exigua (Ribbed Striate)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Striatura exigua (Ribbed Striate)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Striatura exigua (Ribbed Striate)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Striatura exigua (Ribbed Striate)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Succinea greerii (Dryland Ambersnail)	Central Interior Acidic Cliff and Talus			Suit			
Gastropod	Succinea greerii (Dryland Ambersnail)	Central Interior Calcareous Cliff and Talus			Suit			
Gastropod	Triodopsis anteridon (Carter Threetooth)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Triodopsis anteridon (Carter Threetooth)	Southern Appalachian Oak Forest						Suit
Gastropod	Triodopsis anteridon (Carter Threetooth)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Triodopsis anteridon (Carter Threetooth)	Southern Appalachian Low-Elevation Pine Forest						Marg

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Gastropod	Triodopsis anteridon (Carter Threetooth)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Triodopsis anteridon (Carter Threetooth)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Triodopsis claibornensis (Claiborne Threetooth)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Gastropod	Triodopsis claibornensis (Claiborne Threetooth)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	
Gastropod	Triodopsis claibornensis (Claiborne Threetooth)	South-Central Interior Mesophytic Forest					Suit	
Gastropod	Triodopsis claibornensis (Claiborne Threetooth)	Southern and Central Appalachian Cove Forest					Suit	
Gastropod	Triodopsis claibornensis (Claiborne Threetooth)	Southern Appalachian Oak Forest					Suit	
Gastropod	Triodopsis claibornensis (Claiborne Threetooth)	Southern Appalachian Low-Elevation Pine Forest					Marg	
Gastropod	Triodopsis claibornensis (Claiborne Threetooth)	Southern Appalachian Montane Pine Forest and Woodland					Marg	
Gastropod	Triodopsis claibornensis (Claiborne Threetooth)	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	
Gastropod	Ventridens coelaxis (Bidentate Dome)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Gastropod	Ventridens coelaxis (Bidentate Dome)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	
Gastropod	Ventridens coelaxis (Bidentate Dome)	South-Central Interior Mesophytic Forest					Suit	
Gastropod	Ventridens coelaxis (Bidentate Dome)	Southern and Central Appalachian Cove Forest					Suit	Suit
Gastropod	Ventridens coelaxis (Bidentate Dome)	Southern Appalachian Oak Forest					Suit	Suit
Gastropod	Ventridens coelaxis (Bidentate Dome)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Ventridens coelaxis (Bidentate Dome)	Southern Appalachian Low-Elevation Pine Forest					Marg	Marg
Gastropod	Ventridens coelaxis (Bidentate Dome)	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg
Gastropod	Ventridens coelaxis (Bidentate Dome)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	Ventridens coelaxis (Bidentate Dome)	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	Suit
Gastropod	Ventridens coelaxis (Bidentate Dome)	Southern Interior Sinkhole Wall					Suit	Suit
Gastropod	Ventridens decussatus (Crossed Dome)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Ventridens decussatus (Crossed Dome)	Southern Appalachian Oak Forest						Suit
Gastropod	Ventridens decussatus (Crossed Dome)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Ventridens decussatus (Crossed Dome)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Ventridens decussatus (Crossed Dome)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Ventridens decussatus (Crossed Dome)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	Ventridens decussatus (Crossed Dome)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Ventridens eutropis (Carinate Dome)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Gastropod	Ventridens eutropis (Carinate Dome)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Gastropod	Ventridens eutropis (Carinate Dome)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	Ventridens eutropis (Carinate Dome)	South-Central Interior Mesophytic Forest			Suit	Suit		
Gastropod	Ventridens eutropis (Carinate Dome)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	Ventridens eutropis (Carinate Dome)	Southern Appalachian Low-Elevation Pine Forest				Marg		

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Gastropod	Ventridens eutropis (Carinate Dome)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	Ventridens eutropis (Carinate Dome)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	Ventridens lasmodon (Hollow Dome)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Gastropod	Ventridens lasmodon (Hollow Dome)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Gastropod	Ventridens lasmodon (Hollow Dome)	South-Central Interior Mesophytic Forest				Suit	Suit	
Gastropod	Ventridens lasmodon (Hollow Dome)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Gastropod	Ventridens lasmodon (Hollow Dome)	Southern Appalachian Oak Forest					Suit	Suit
Gastropod	Ventridens lasmodon (Hollow Dome)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Ventridens lasmodon (Hollow Dome)	Southern Appalachian Low-Elevation Pine Forest				Marg	Marg	Marg
Gastropod	Ventridens lasmodon (Hollow Dome)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Gastropod	Ventridens lasmodon (Hollow Dome)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	Ventridens lasmodon (Hollow Dome)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Gastropod	Ventridens percallosus (Tennessee Dome)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Gastropod	Ventridens percallosus (Tennessee Dome)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	
Gastropod	Ventridens percallosus (Tennessee Dome)	South-Central Interior Mesophytic Forest					Suit	
Gastropod	Ventridens percallosus (Tennessee Dome)	Southern and Central Appalachian Cove Forest					Suit	
Gastropod	Ventridens percallosus (Tennessee Dome)	Southern Appalachian Oak Forest					Suit	
Gastropod	Ventridens percallosus (Tennessee Dome)	Southern Appalachian Low-Elevation Pine Forest					Marg	
Gastropod	Ventridens percallosus (Tennessee Dome)	Southern Appalachian Montane Pine Forest and Woodland					Marg	
Gastropod	Ventridens percallosus (Tennessee Dome)	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	
Gastropod	Ventridens percallosus (Tennessee Dome)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit
Gastropod	Vertigo clappi (Cupped Vertigo)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Vertigo clappi (Cupped Vertigo)	Southern Appalachian Oak Forest						Suit
Gastropod	Vertigo clappi (Cupped Vertigo)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Vertigo clappi (Cupped Vertigo)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Vertigo clappi (Cupped Vertigo)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Vertigo clappi (Cupped Vertigo)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Vertigo parvula (Smallmouth Vertigo)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Vertigo parvula (Smallmouth Vertigo)	Southern Appalachian Oak Forest						Suit
Gastropod	Vertigo parvula (Smallmouth Vertigo)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Vertigo parvula (Smallmouth Vertigo)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Vertigo teskeyae (Swamp Vertigo)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Suit		
Gastropod	Vertigo teskeyae (Swamp Vertigo)	South-Central Interior Small Stream and Riparian				Suit		
Gastropod	Vertigo teskeyae (Swamp Vertigo)	South-Central Interior Large Floodplain				Suit		

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Gastropod	Vertigo teskeyae (Swamp Vertigo)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Gastropod	Vertigo teskeyae (Swamp Vertigo)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Gastropod	Vertigo teskeyae (Swamp Vertigo)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Gastropod	Webbhelix multilineata (Striped Whitelip)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Gastropod	Webbhelix multilineata (Striped Whitelip)	Mississippi River Riparian Forest	Suit					
Gastropod	Webbhelix multilineata (Striped Whitelip)	Mississippi River Bottomland Depression	Pref					
Gastropod	Xolotrema obstrictum (Sharp Wedge)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Gastropod	Xolotrema obstrictum (Sharp Wedge)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Gastropod	Xolotrema obstrictum (Sharp Wedge)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	Xolotrema obstrictum (Sharp Wedge)	South-Central Interior Mesophytic Forest			Suit	Suit		
Gastropod	Xolotrema obstrictum (Sharp Wedge)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	Xolotrema obstrictum (Sharp Wedge)	Appalachian (Hemlock)-Northern Hardwood Forest				Marg		
Gastropod	Xolotrema obstrictum (Sharp Wedge)	Central Interior Highlands Calcareous Glade and Barrens				Marg		
Gastropod	Xolotrema obstrictum (Sharp Wedge)	Central Interior Calcareous Cliff and Talus			Suit			
Gastropod	Zonitoides lateumbilicatus (Striate Gloss)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Gastropod	Zonitoides lateumbilicatus (Striate Gloss)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	Zonitoides lateumbilicatus (Striate Gloss)	South-Central Interior Mesophytic Forest				Suit		
Gastropod	Zonitoides lateumbilicatus (Striate Gloss)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	Zonitoides lateumbilicatus (Striate Gloss)	Southern Appalachian Low-Elevation Pine Forest				Marg		
Gastropod	Zonitoides lateumbilicatus (Striate Gloss)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	Zonitoides lateumbilicatus (Striate Gloss)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Insect	Amblyscirtes linda (Linda's Roadside Skipper)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Insect	Amblyscirtes linda (Linda's Roadside Skipper)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Insect	Amblyscirtes linda (Linda's Roadside Skipper)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Insect	Amblyscirtes linda (Linda's Roadside Skipper)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Insect	Amblyscirtes linda (Linda's Roadside Skipper)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Insect	Amblyscirtes linda (Linda's Roadside Skipper)	East Gulf Coastal Plain Limestone Forest		Suit				
Insect	Amblyscirtes linda (Linda's Roadside Skipper)	South-Central Interior Mesophytic Forest		Suit				
Insect	Amblyscirtes linda (Linda's Roadside Skipper)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Insect	Amblyscirtes linda (Linda's Roadside Skipper)	Mississippi River Riparian Forest	Pref					
Insect	Amblyscirtes linda (Linda's Roadside Skipper)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Insect	Amblyscirtes linda (Linda's Roadside Skipper)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Insect	Nicrophorus americanus (American Burying Beetle)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Insect	Nicrophorus americanus (American Burying Beetle)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Insect	Semiothisa fraserata (Fraser Fir Geometrid Moth)	Southern and Central Appalachian Cove Forest						Marg
Insect	Semiothisa fraserata (Fraser Fir Geometrid Moth)	Southern Appalachian Oak Forest						Marg
Insect	Semiothisa fraserata (Fraser Fir Geometrid Moth)	Southern Appalachian Northern Hardwood Forest						Suit
Insect	Semiothisa fraserata (Fraser Fir Geometrid Moth)	Southern Appalachian Low-Elevation Pine Forest						Marg
Insect	Semiothisa fraserata (Fraser Fir Geometrid Moth)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Insect	Semiothisa fraserata (Fraser Fir Geometrid Moth)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Insect	Semiothisa fraserata (Fraser Fir Geometrid Moth)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Insect	Semiothisa fraserata (Fraser Fir Geometrid Moth)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Insect	Speyeria diana (Diana Fritillary)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Insect	Speyeria diana (Diana Fritillary)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Insect	Speyeria diana (Diana Fritillary)	South-Central Interior Mesophytic Forest				Suit	Suit	
Insect	Speyeria diana (Diana Fritillary)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Insect	Speyeria diana (Diana Fritillary)	Southern Appalachian Oak Forest					Marg	Marg
Insect	Speyeria diana (Diana Fritillary)	Southern Appalachian Northern Hardwood Forest						Suit
Insect	Speyeria diana (Diana Fritillary)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Insect	Speyeria diana (Diana Fritillary)	Appalachian Shale Barrens				Marg	Marg	Marg
Insect	Speyeria diana (Diana Fritillary)	Central Interior Highlands Calcareous Glade and Barrens				Suit	Suit	
Insect	Speyeria diana (Diana Fritillary)	Cumberland Sandstone Glade and Barrens				Suit		
Insect	Speyeria diana (Diana Fritillary)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Insect	Speyeria diana (Diana Fritillary)	Southern and Central Appalachian Mafic Glade and Barrens						Marg
Insect	Speyeria diana (Diana Fritillary)	Southern Ridge and Valley Patch Prairie					Suit	
Insect	Speyeria diana (Diana Fritillary)	Cumberland Riverscour				Marg		
Insect	Speyeria diana (Diana Fritillary)	South-Central Interior Small Stream and Riparian				Suit	Suit	Suit
Insect	Speyeria diana (Diana Fritillary)	South-Central Interior Large Floodplain				Suit	Suit	Suit
Insect	Speyeria diana (Diana Fritillary)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Insect	Speyeria diana (Diana Fritillary)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Insect	Speyeria diana (Diana Fritillary)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Insect	Speyeria diana (Diana Fritillary)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Insect	Speyeria diana (Diana Fritillary)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Condylura cristata (Star-nosed Mole)	Southern and Central Appalachian Bog and Fen						Suit
Mammal	Condylura cristata (Star-nosed Mole)	Southern Appalachian Seepage Wetland						Suit
Mammal	Condylura cristata (Star-nosed Mole)	South-Central Interior Small Stream and Riparian						Pref
Mammal	Condylura cristata (Star-nosed Mole)	South-Central Interior Large Floodplain						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Mammal	<i>Glaucomys sabrinus coloratus</i> (Carolina Northern Flying Squirrel)	Southern and Central Appalachian Cove Forest						Suit
Mammal	<i>Glaucomys sabrinus coloratus</i> (Carolina Northern Flying Squirrel)	Southern Appalachian Oak Forest						Suit
Mammal	<i>Glaucomys sabrinus coloratus</i> (Carolina Northern Flying Squirrel)	Southern Appalachian Northern Hardwood Forest						Pref
Mammal	<i>Glaucomys sabrinus coloratus</i> (Carolina Northern Flying Squirrel)	Southern Appalachian Montane Pine Forest and Woodland						Suit
Mammal	<i>Glaucomys sabrinus coloratus</i> (Carolina Northern Flying Squirrel)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Mammal	<i>Glaucomys sabrinus coloratus</i> (Carolina Northern Flying Squirrel)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Mammal	<i>Martes pennanti</i> (Fisher)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Mammal	<i>Martes pennanti</i> (Fisher)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Mammal	<i>Martes pennanti</i> (Fisher)	South-Central Interior Mesophytic Forest				Suit		
Mammal	<i>Martes pennanti</i> (Fisher)	Southern and Central Appalachian Cove Forest				Suit		Suit
Mammal	<i>Martes pennanti</i> (Fisher)	Southern Appalachian Oak Forest						Suit
Mammal	<i>Martes pennanti</i> (Fisher)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	<i>Martes pennanti</i> (Fisher)	Southern Appalachian Low-Elevation Pine Forest				Suit		Suit
Mammal	<i>Martes pennanti</i> (Fisher)	Southern Appalachian Montane Pine Forest and Woodland				Suit		Suit
Mammal	<i>Martes pennanti</i> (Fisher)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Mammal	<i>Martes pennanti</i> (Fisher)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		Suit
Mammal	<i>Martes pennanti</i> (Fisher)	Cumberland Riverscour				Marg		
Mammal	<i>Martes pennanti</i> (Fisher)	South-Central Interior Small Stream and Riparian				Pref		Pref
Mammal	<i>Martes pennanti</i> (Fisher)	South-Central Interior Large Floodplain				Pref		Pref
Mammal	<i>Microtus chrotorrhinus carolinensis</i> (Southern Rock Vole)	Southern and Central Appalachian Cove Forest						Suit
Mammal	<i>Microtus chrotorrhinus carolinensis</i> (Southern Rock Vole)	Southern Appalachian Oak Forest						Suit
Mammal	<i>Microtus chrotorrhinus carolinensis</i> (Southern Rock Vole)	Southern Appalachian Northern Hardwood Forest						Pref
Mammal	<i>Microtus chrotorrhinus carolinensis</i> (Southern Rock Vole)	Southern Appalachian Low-Elevation Pine Forest						Marg
Mammal	<i>Microtus chrotorrhinus carolinensis</i> (Southern Rock Vole)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Mammal	<i>Microtus chrotorrhinus carolinensis</i> (Southern Rock Vole)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Mammal	<i>Microtus chrotorrhinus carolinensis</i> (Southern Rock Vole)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Mammal	<i>Microtus chrotorrhinus carolinensis</i> (Southern Rock Vole)	South-Central Interior Small Stream and Riparian						Pref
Mammal	<i>Microtus chrotorrhinus carolinensis</i> (Southern Rock Vole)	South-Central Interior Large Floodplain						Suit
Mammal	<i>Mustela nivalis</i> (Least Weasel)	Appalachian Shale Barrens				Marg	Suit	Marg
Mammal	<i>Mustela nivalis</i> (Least Weasel)	Central Interior Highlands Calcareous Glade and Barrens				Suit	Suit	
Mammal	<i>Mustela nivalis</i> (Least Weasel)	Cumberland Sandstone Glade and Barrens				Suit		
Mammal	<i>Mustela nivalis</i> (Least Weasel)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Mammal	<i>Mustela nivalis</i> (Least Weasel)	Southern and Central Appalachian Mafic Glade and Barrens						Suit
Mammal	<i>Mustela nivalis</i> (Least Weasel)	Southern Ridge and Valley Patch Prairie					Suit	
Mammal	<i>Mustela nivalis</i> (Least Weasel)	South-Central Interior Small Stream and Riparian				Suit	Suit	Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Mammal	<i>Mustela nivalis</i> (Least Weasel)	South-Central Interior Large Floodplain				Suit	Suit	Suit
Mammal	<i>Mustela nivalis</i> (Least Weasel)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	<i>Mustela nivalis</i> (Least Weasel)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	<i>Mustela nivalis</i> (Least Weasel)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	<i>Mustela nivalis</i> (Least Weasel)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	<i>Mustela nivalis</i> (Least Weasel)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	<i>Napaeozapus insignis</i> (Woodland Jumping Mouse)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Mammal	<i>Napaeozapus insignis</i> (Woodland Jumping Mouse)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Mammal	<i>Napaeozapus insignis</i> (Woodland Jumping Mouse)	South-Central Interior Mesophytic Forest				Suit	Suit	
Mammal	<i>Napaeozapus insignis</i> (Woodland Jumping Mouse)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Mammal	<i>Napaeozapus insignis</i> (Woodland Jumping Mouse)	Southern Appalachian Oak Forest					Marg	Suit
Mammal	<i>Napaeozapus insignis</i> (Woodland Jumping Mouse)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	<i>Napaeozapus insignis</i> (Woodland Jumping Mouse)	Southern Appalachian Low-Elevation Pine Forest				Marg	Marg	Marg
Mammal	<i>Napaeozapus insignis</i> (Woodland Jumping Mouse)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Mammal	<i>Napaeozapus insignis</i> (Woodland Jumping Mouse)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Mammal	<i>Neotoma floridana haematoreia</i> (Southern Appalachian Woodrat)	Southern and Central Appalachian Cove Forest						Suit
Mammal	<i>Neotoma floridana haematoreia</i> (Southern Appalachian Woodrat)	Southern Appalachian Oak Forest						Suit
Mammal	<i>Neotoma floridana haematoreia</i> (Southern Appalachian Woodrat)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	<i>Neotoma floridana haematoreia</i> (Southern Appalachian Woodrat)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Mammal	<i>Neotoma floridana haematoreia</i> (Southern Appalachian Woodrat)	Southern and Central Appalachian Bog and Fen						Suit
Mammal	<i>Neotoma floridana haematoreia</i> (Southern Appalachian Woodrat)	Southern Appalachian Seepage Wetland						Suit
Mammal	<i>Neotoma floridana haematoreia</i> (Southern Appalachian Woodrat)	South-Central Interior Small Stream and Riparian						Pref
Mammal	<i>Neotoma floridana haematoreia</i> (Southern Appalachian Woodrat)	South-Central Interior Large Floodplain						Suit
Mammal	<i>Neotoma floridana haematoreia</i> (Southern Appalachian Woodrat)	Southern Appalachian Montane Cliff and Talus						Suit
Mammal	<i>Neotoma floridana haematoreia</i> (Southern Appalachian Woodrat)	Southern Interior Calcareous Cliff						Suit
Mammal	<i>Neotoma floridana haematoreia</i> (Southern Appalachian Woodrat)	Southern Interior Sinkhole Wall						Suit
Mammal	<i>Neotoma floridana illinoensis</i> (Eastern Woodrat)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Mammal	<i>Neotoma floridana illinoensis</i> (Eastern Woodrat)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Mammal	<i>Neotoma floridana illinoensis</i> (Eastern Woodrat)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Mammal	<i>Neotoma floridana illinoensis</i> (Eastern Woodrat)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Mammal	<i>Neotoma floridana illinoensis</i> (Eastern Woodrat)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Mammal	<i>Neotoma floridana illinoensis</i> (Eastern Woodrat)	East Gulf Coastal Plain Limestone Forest		Suit				
Mammal	<i>Neotoma floridana illinoensis</i> (Eastern Woodrat)	South-Central Interior Mesophytic Forest		Suit				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Mammal	Neotoma floridana illinoensis (Eastern Woodrat)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Mammal	Neotoma floridana illinoensis (Eastern Woodrat)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Mammal	Neotoma floridana illinoensis (Eastern Woodrat)	Mississippi River Riparian Forest	Suit					
Mammal	Neotoma floridana illinoensis (Eastern Woodrat)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Mammal	Neotoma floridana illinoensis (Eastern Woodrat)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Mammal	Neotoma floridana illinoensis (Eastern Woodrat)	East Gulf Coastal Plain Northern Seepage Swamp		Pref				
Mammal	Neotoma floridana illinoensis (Eastern Woodrat)	Mississippi River Bottomland Depression	Pref					
Mammal	Neotoma floridana illinoensis (Eastern Woodrat)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Mammal	Neotoma floridana illinoensis (Eastern Woodrat)	South-Central Interior Small Stream and Riparian		Suit				
Mammal	Neotoma magister (Allegheny Woodrat)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Mammal	Neotoma magister (Allegheny Woodrat)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Mammal	Neotoma magister (Allegheny Woodrat)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Mammal	Neotoma magister (Allegheny Woodrat)	South-Central Interior Mesophytic Forest			Suit	Suit	Suit	
Mammal	Neotoma magister (Allegheny Woodrat)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Mammal	Neotoma magister (Allegheny Woodrat)	Southern Appalachian Oak Forest					Suit	Suit
Mammal	Neotoma magister (Allegheny Woodrat)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	Neotoma magister (Allegheny Woodrat)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Mammal	Neotoma magister (Allegheny Woodrat)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Mammal	Neotoma magister (Allegheny Woodrat)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Mammal	Neotoma magister (Allegheny Woodrat)	South-Central Interior Small Stream and Riparian			Suit	Suit	Suit	Suit
Mammal	Neotoma magister (Allegheny Woodrat)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Mammal	Neotoma magister (Allegheny Woodrat)	Central Interior Acidic Cliff and Talus			Pref			
Mammal	Neotoma magister (Allegheny Woodrat)	Central Interior Calcareous Cliff and Talus			Pref			
Mammal	Neotoma magister (Allegheny Woodrat)	Cumberland Acidic Cliff and Rockhouse				Marg	Marg	
Mammal	Neotoma magister (Allegheny Woodrat)	Southern Appalachian Montane Cliff and Talus				Pref	Pref	Pref
Mammal	Neotoma magister (Allegheny Woodrat)	Southern Interior Calcareous Cliff					Marg	Marg
Mammal	Neotoma magister (Allegheny Woodrat)	Southern Interior Sinkhole Wall			Suit		Suit	Suit
Mammal	Ochrotomys nuttalli (Golden Mouse)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Mammal	Ochrotomys nuttalli (Golden Mouse)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Mammal	Ochrotomys nuttalli (Golden Mouse)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Mammal	Ochrotomys nuttalli (Golden Mouse)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Mammal	Ochrotomys nuttalli (Golden Mouse)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Mammal	Ochrotomys nuttalli (Golden Mouse)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Mammal	Ochrotomys nuttalli (Golden Mouse)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Mammal	Ochrotomys nuttalli (Golden Mouse)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Mammal	Ochrotomys nuttalli (Golden Mouse)	East Gulf Coastal Plain Limestone Forest		Suit				
Mammal	Ochrotomys nuttalli (Golden Mouse)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Mammal	Ochrotomys nuttalli (Golden Mouse)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Mammal	Ochrotomys nuttalli (Golden Mouse)	Southern Appalachian Oak Forest					Suit	Suit
Mammal	Ochrotomys nuttalli (Golden Mouse)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	Ochrotomys nuttalli (Golden Mouse)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Marg	Marg
Mammal	Ochrotomys nuttalli (Golden Mouse)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Mammal	Ochrotomys nuttalli (Golden Mouse)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Mammal	Ochrotomys nuttalli (Golden Mouse)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Mammal	Ochrotomys nuttalli (Golden Mouse)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Mammal	Ochrotomys nuttalli (Golden Mouse)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
Mammal	Ochrotomys nuttalli (Golden Mouse)	Pennroyal Karst Plain Prairie and Barrens			Pref			
Mammal	Ochrotomys nuttalli (Golden Mouse)	Western Highland Rim Prairie and Barrens			Pref			
Mammal	Ochrotomys nuttalli (Golden Mouse)	Eastern Highland Rim Prairie and Barrens			Pref			
Mammal	Ochrotomys nuttalli (Golden Mouse)	Southern Ridge and Valley Patch Prairie					Pref	
Mammal	Ochrotomys nuttalli (Golden Mouse)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Mammal	Ochrotomys nuttalli (Golden Mouse)	Mississippi River Riparian Forest	Suit					
Mammal	Ochrotomys nuttalli (Golden Mouse)	Cumberland Seepage Forest				Suit		
Mammal	Ochrotomys nuttalli (Golden Mouse)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Mammal	Ochrotomys nuttalli (Golden Mouse)	Mississippi River Bottomland Depression	Suit					
Mammal	Ochrotomys nuttalli (Golden Mouse)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Mammal	Ochrotomys nuttalli (Golden Mouse)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Mammal	Ochrotomys nuttalli (Golden Mouse)	Interior Low Plateau Seepage Fen			Suit			
Mammal	Ochrotomys nuttalli (Golden Mouse)	Southern Appalachian Seepage Wetland						Suit
Mammal	Ochrotomys nuttalli (Golden Mouse)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Ochrotomys nuttalli (Golden Mouse)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Ochrotomys nuttalli (Golden Mouse)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Ochrotomys nuttalli (Golden Mouse)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Ochrotomys nuttalli (Golden Mouse)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Ochrotomys nuttalli (Golden Mouse)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Parascalops breweri (Hairy-tailed Mole)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Mammal	Parascalops breweri (Hairy-tailed Mole)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Mammal	Parascalops breweri (Hairy-tailed Mole)	South-Central Interior Mesophytic Forest				Suit	Suit	
Mammal	Parascalops breweri (Hairy-tailed Mole)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Mammal	Parascalops breweri (Hairy-tailed Mole)	Southern Appalachian Oak Forest					Suit	Suit
Mammal	Parascalops breweri (Hairy-tailed Mole)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	Parascalops breweri (Hairy-tailed Mole)	Southern Appalachian Low-Elevation Pine Forest					Marg	
Mammal	Parascalops breweri (Hairy-tailed Mole)	Southern Appalachian Montane Pine Forest and Woodland					Marg	
Mammal	Parascalops breweri (Hairy-tailed Mole)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Mammal	Parascalops breweri (Hairy-tailed Mole)	Southern Ridge and Valley Patch Prairie					Marg	
Mammal	Parascalops breweri (Hairy-tailed Mole)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Parascalops breweri (Hairy-tailed Mole)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Parascalops breweri (Hairy-tailed Mole)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Parascalops breweri (Hairy-tailed Mole)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Sorex cinereus (Cinereus Shrew)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Mammal	Sorex cinereus (Cinereus Shrew)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Mammal	Sorex cinereus (Cinereus Shrew)	South-Central Interior Mesophytic Forest				Suit	Suit	
Mammal	Sorex cinereus (Cinereus Shrew)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Mammal	Sorex cinereus (Cinereus Shrew)	Southern Appalachian Oak Forest					Suit	Suit
Mammal	Sorex cinereus (Cinereus Shrew)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	Sorex cinereus (Cinereus Shrew)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Mammal	Sorex cinereus (Cinereus Shrew)	Southern Ridge and Valley Patch Prairie					Suit	
Mammal	Sorex cinereus (Cinereus Shrew)	Cumberland Seepage Forest				Suit		
Mammal	Sorex cinereus (Cinereus Shrew)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Mammal	Sorex cinereus (Cinereus Shrew)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Suit	Suit	
Mammal	Sorex cinereus (Cinereus Shrew)	Southern Appalachian Seepage Wetland						Suit
Mammal	Sorex cinereus (Cinereus Shrew)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Sorex cinereus (Cinereus Shrew)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Sorex cinereus (Cinereus Shrew)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Sorex cinereus (Cinereus Shrew)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Sorex cinereus (Cinereus Shrew)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Sorex dispar (Long-tailed Shrew)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Mammal	Sorex dispar (Long-tailed Shrew)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Mammal	Sorex dispar (Long-tailed Shrew)	South-Central Interior Mesophytic Forest				Suit	Suit	
Mammal	Sorex dispar (Long-tailed Shrew)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Mammal	<i>Sorex dispar</i> (Long-tailed Shrew)	Southern Appalachian Oak Forest					Suit	Suit
Mammal	<i>Sorex dispar</i> (Long-tailed Shrew)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	<i>Sorex dispar</i> (Long-tailed Shrew)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Mammal	<i>Sorex dispar</i> (Long-tailed Shrew)	South-Central Interior Small Stream and Riparian				Pref	Pref	Pref
Mammal	<i>Sorex dispar</i> (Long-tailed Shrew)	South-Central Interior Large Floodplain				Suit	Suit	Suit
Mammal	<i>Sorex dispar</i> (Long-tailed Shrew)	Southern Appalachian Montane Cliff and Talus				Suit	Suit	Suit
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	South-Central Interior Mesophytic Forest			Pref	Suit	Suit	
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Southern Appalachian Oak Forest					Suit	Suit
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Appalachian (Hemlock)-Northern Hardwood Forest				Pref	Pref	Pref
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Western Highland Rim Prairie and Barrens			Suit			
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Eastern Highland Rim Prairie and Barrens			Suit			
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Southern Ridge and Valley Patch Prairie					Suit	
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Cumberland Seepage Forest				Suit		
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Interior Low Plateau Seepage Fen			Suit			
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Southern Appalachian Seepage Wetland						Suit
Mammal	<i>Sorex fumeus</i> (Smoky Shrew)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	South-Central Interior Mesophytic Forest				Pref	Pref	
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	Southern and Central Appalachian Cove Forest				Pref	Pref	Pref
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	Southern Appalachian Oak Forest					Suit	Suit
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	Southern Appalachian Northern Hardwood Forest						Pref
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	Southern Appalachian Low-Elevation Pine Forest				Marg	Marg	Marg
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	Southern Ridge and Valley Patch Prairie					Suit	
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	Cumberland Seepage Forest				Suit		
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Suit	Suit	
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	Southern Appalachian Seepage Wetland						Suit
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	South-Central Interior Small Stream and Riparian				Suit	Suit	Suit
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	South-Central Interior Large Floodplain				Suit	Suit	Suit
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	<i>Sorex hoyi</i> (American Pygmy Shrew)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	East Gulf Coastal Plain Limestone Forest		Marg				
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	South-Central Interior Mesophytic Forest		Suit	Suit	Pref	Pref	
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Southern and Central Appalachian Cove Forest				Pref	Pref	Suit
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Southern Appalachian Oak Forest					Marg	Marg
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Marg	Marg
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Pennyroyal Karst Plain Prairie and Barrens			Suit			

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Western Highland Rim Prairie and Barrens			Suit			
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Eastern Highland Rim Prairie and Barrens			Suit			
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Southern Ridge and Valley Patch Prairie					Suit	
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Mississippi River Riparian Forest	Pref					
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Cumberland Seepage Forest				Suit		
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Southern and Central Appalachian Bog and Fen					Pref	Pref
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Mississippi River Bottomland Depression	Suit					
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Interior Low Plateau Seepage Fen			Suit			
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Southern Appalachian Seepage Wetland						Suit
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	South-Central Interior Small Stream and Riparian		Suit	Pref	Pref	Pref	Pref
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	<i>Sorex longirostris</i> (Southeastern Shrew)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	<i>Sorex palustris</i> (American Water Shrew)	Southern and Central Appalachian Bog and Fen						Suit
Mammal	<i>Sorex palustris</i> (American Water Shrew)	Southern Appalachian Seepage Wetland						Suit
Mammal	<i>Sorex palustris</i> (American Water Shrew)	South-Central Interior Small Stream and Riparian						Pref
Mammal	<i>Sorex palustris</i> (American Water Shrew)	South-Central Interior Large Floodplain						Suit
Mammal	<i>Sorex palustris</i> (American Water Shrew)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	<i>Spilogale putorius</i> (Eastern Spotted Skunk)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Mammal	<i>Spilogale putorius</i> (Eastern Spotted Skunk)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Mammal	<i>Spilogale putorius</i> (Eastern Spotted Skunk)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Mammal	<i>Spilogale putorius</i> (Eastern Spotted Skunk)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Mammal	Spilogale putorius (Eastern Spotted Skunk)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Mammal	Spilogale putorius (Eastern Spotted Skunk)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Mammal	Spilogale putorius (Eastern Spotted Skunk)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Mammal	Spilogale putorius (Eastern Spotted Skunk)	East Gulf Coastal Plain Limestone Forest		Suit				
Mammal	Spilogale putorius (Eastern Spotted Skunk)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Pref	
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Southern and Central Appalachian Cove Forest				Suit	Suit	Pref
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Southern Appalachian Oak Forest					Suit	Suit
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Southern Appalachian Low-Elevation Pine Forest			Suit	Marg	Marg	Marg
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Mammal	Spilogale putorius (Eastern Spotted Skunk)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Appalachian (Hemlock)-Northern Hardwood Forest				Pref	Pref	Pref
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Marg			
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Central Interior Highlands Calcareous Glade and Barrens		Marg	Marg			
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Nashville Basin Limestone Glade and Woodland			Marg			
Mammal	Spilogale putorius (Eastern Spotted Skunk)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Marg				
Mammal	Spilogale putorius (Eastern Spotted Skunk)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Marg				
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Pennyroyal Karst Plain Prairie and Barrens			Marg			
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Western Highland Rim Prairie and Barrens			Marg			
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Eastern Highland Rim Prairie and Barrens			Marg			
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Southern Ridge and Valley Patch Prairie					Suit	
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Central Interior Acidic Cliff and Talus			Suit			
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Central Interior Calcareous Cliff and Talus			Suit			
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Southern Appalachian Montane Cliff and Talus				Suit	Suit	Suit
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Sylvilagus transitionalis (Appalachian Cottontail)	Southern and Central Appalachian Cove Forest						Marg
Mammal	Sylvilagus transitionalis (Appalachian Cottontail)	Southern Appalachian Oak Forest						Marg
Mammal	Sylvilagus transitionalis (Appalachian Cottontail)	Southern Appalachian Northern Hardwood Forest						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Mammal	<i>Sylvilagus transitionalis</i> (Appalachian Cottontail)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Mammal	<i>Sylvilagus transitionalis</i> (Appalachian Cottontail)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Mammal	<i>Sylvilagus transitionalis</i> (Appalachian Cottontail)	Southern Appalachian Grass and Shrub Bald						Suit
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	Southern Appalachian Oak Forest					Marg	Suit
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	Pennroyal Karst Plain Prairie and Barrens			Suit			
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	Western Highland Rim Prairie and Barrens			Suit			
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	Eastern Highland Rim Prairie and Barrens			Suit			
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	Southern Ridge and Valley Patch Prairie					Suit	
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	East Gulf Coastal Plain Large River Floodplain Forest		Marg				
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Marg				
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	East Gulf Coastal Plain Northern Seepage Swamp		Pref				
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	Cumberland Seepage Forest				Pref		
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	Southern and Central Appalachian Bog and Fen					Pref	Pref
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref	Pref	Pref	
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	Interior Low Plateau Seepage Fen			Pref			
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	Southern Appalachian Seepage Wetland						Pref
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	South-Central Interior Small Stream and Riparian		Marg	Suit	Suit	Suit	Suit
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	South-Central Interior Large Floodplain			Marg	Marg	Marg	Marg
Mammal	<i>Synaptomys cooperi</i> (Southern Bog Lemming)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	<i>Tamiasciurus hudsonicus</i> (Red Squirrel)	Southern and Central Appalachian Cove Forest						Suit
Mammal	<i>Tamiasciurus hudsonicus</i> (Red Squirrel)	Southern Appalachian Oak Forest						Marg
Mammal	<i>Tamiasciurus hudsonicus</i> (Red Squirrel)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	<i>Tamiasciurus hudsonicus</i> (Red Squirrel)	Southern Appalachian Low-Elevation Pine Forest						Marg
Mammal	<i>Tamiasciurus hudsonicus</i> (Red Squirrel)	Southern Appalachian Montane Pine Forest and Woodland						Marg

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Mammal	Tamiasciurus hudsonicus (Red Squirrel)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Mammal	Tamiasciurus hudsonicus (Red Squirrel)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	Pennroyal Karst Plain Prairie and Barrens			Suit			
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	Western Highland Rim Prairie and Barrens			Suit			
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	Eastern Highland Rim Prairie and Barrens			Suit			
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	Southern Ridge and Valley Patch Prairie					Suit	
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	Cumberland Seepage Forest				Pref		
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	Southern and Central Appalachian Bog and Fen					Pref	Pref
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	Mississippi River Bottomland Depression	Suit					
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref	Pref	Pref	
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	Interior Low Plateau Seepage Fen			Pref			
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	Southern Appalachian Seepage Wetland						Pref
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	South-Central Interior Small Stream and Riparian		Suit	Pref	Pref	Pref	Pref
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Zapus hudsonius (Meadow Jumping Mouse)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	Abies fraseri (Fraser Fir)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Plant	Abies fraseri (Fraser Fir)	Southern Appalachian Grass and Shrub Bald						Marg
Plant	Acalypha deamii (Deam's Copperleaf)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	Acalypha deamii (Deam's Copperleaf)	South-Central Interior Mesophytic Forest		Marg	Pref			
Plant	Acalypha deamii (Deam's Copperleaf)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Plant	Acalypha deamii (Deam's Copperleaf)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	Acalypha deamii (Deam's Copperleaf)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Plant	Acalypha deamii (Deam's Copperleaf)	South-Central Interior Small Stream and Riparian		Suit	Suit			
Plant	Acer leucoderme (Chalk Maple)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Plant	Acer leucoderme (Chalk Maple)	South-Central Interior Small Stream and Riparian						Pref

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	<i>Acmella oppositifolia</i> (Creeping Spotflower)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Plant	<i>Acmella oppositifolia</i> (Creeping Spotflower)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Plant	<i>Acmella oppositifolia</i> (Creeping Spotflower)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	<i>Acmella oppositifolia</i> (Creeping Spotflower)	Mississippi River Bottomland Depression	Pref					
Plant	<i>Aconitum reclinatum</i> (Trailing Wolfsbane)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Aconitum reclinatum</i> (Trailing Wolfsbane)	Southern Appalachian Seepage Wetland						Pref
Plant	<i>Acrobolbus ciliatus</i> ((a liverwort))	Southern and Central Appalachian Cove Forest						Suit
Plant	<i>Acrobolbus ciliatus</i> ((a liverwort))	South-Central Interior Small Stream and Riparian						Suit
Plant	<i>Acrobolbus ciliatus</i> ((a liverwort))	Southern Appalachian Spray Cliff						Pref
Plant	<i>Adlumia fungosa</i> (Climbing Fumitory)	South-Central Interior Mesophytic Forest				Suit		
Plant	<i>Adlumia fungosa</i> (Climbing Fumitory)	Southern and Central Appalachian Cove Forest				Suit		Suit
Plant	<i>Adlumia fungosa</i> (Climbing Fumitory)	Cumberland Acidic Cliff and Rockhouse				Suit		
Plant	<i>Adlumia fungosa</i> (Climbing Fumitory)	Southern Appalachian Montane Cliff and Talus				Suit		Suit
Plant	<i>Agalinis auriculata</i> (Earleaved False-foxglove)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Plant	<i>Agalinis auriculata</i> (Earleaved False-foxglove)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Plant	<i>Agalinis auriculata</i> (Earleaved False-foxglove)	Western Highland Rim Prairie and Barrens			Suit			
Plant	<i>Agalinis auriculata</i> (Earleaved False-foxglove)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	<i>Agalinis auriculata</i> (Earleaved False-foxglove)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	<i>Agalinis heterophylla</i> (Prairie False-foxglove)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	<i>Agalinis oligophylla</i> (Ridge-stem False-foxglove)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	<i>Agalinis setacea</i> (Thread-leaved Gerardia)	Southern Appalachian Montane Pine Forest and Woodland						Suit
Plant	<i>Agastache scrophulariifolia</i> (Purple Giant Hyssop)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Agastache scrophulariifolia</i> (Purple Giant Hyssop)	Southern Appalachian Grass and Shrub Bald						Marg
Plant	<i>Ageratina luciae-brauniae</i> (Lucy Braun's White Snakeroot)	Cumberland Acidic Cliff and Rockhouse				Pref		
Plant	<i>Agrostis mertensii</i> (Arctic Bentgrass)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Plant	<i>Agrostis mertensii</i> (Arctic Bentgrass)	Southern Appalachian Rocky Summit						Pref
Plant	<i>Allium burdickii</i> (Narrow-leaf Ramps)	South-Central Interior Mesophytic Forest			Pref	Pref	Pref	
Plant	<i>Allium burdickii</i> (Narrow-leaf Ramps)	South-Central Interior Small Stream and Riparian			Suit	Suit	Suit	
Plant	<i>Allium stellatum</i> (Glade Onion)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	<i>Allium tricoccum</i> (Ramps)	South-Central Interior Mesophytic Forest			Suit	Suit	Suit	
Plant	<i>Allium tricoccum</i> (Ramps)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Plant	<i>Allium tricoccum</i> (Ramps)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Alnus viridis</i> ssp. <i>crispa</i> (Green Alder)	Central and Southern Appalachian Spruce-Fir Forest						Marg
Plant	<i>Alnus viridis</i> ssp. <i>crispa</i> (Green Alder)	Southern Appalachian Grass and Shrub Bald						Pref
Plant	<i>Amelanchier sanguinea</i> (Roundleaf Shadbush)	Southern Appalachian Oak Forest						Marg

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	<i>Amelanchier sanguinea</i> (Roundleaf Shadbush)	Southern Appalachian Low-Elevation Pine Forest						Suit
Plant	<i>Amelanchier sanguinea</i> (Roundleaf Shadbush)	Cumberland Sandstone Glade and Barrens				Suit		
Plant	<i>Amelanchier sanguinea</i> (Roundleaf Shadbush)	Cumberland Riverscour				Suit		
Plant	<i>Amelanchier sanguinea</i> (Roundleaf Shadbush)	Cumberland Acidic Cliff and Rockhouse				Suit		
Plant	<i>Ammoselinum popei</i> (Pope's Sand-parsley)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	<i>Amsonia tabernaemontana</i> var. <i>gattingeri</i> (Limestone Blue Star)	Central Interior Highlands Calcareous Glade and Barrens			Suit	Suit	Suit	
Plant	<i>Amsonia tabernaemontana</i> var. <i>gattingeri</i> (Limestone Blue Star)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	<i>Amsonia tabernaemontana</i> var. <i>gattingeri</i> (Limestone Blue Star)	South-Central Interior Small Stream and Riparian			Marg			
Plant	<i>Amsonia tabernaemontana</i> var. <i>gattingeri</i> (Limestone Blue Star)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	<i>Amsonia tabernaemontana</i> var. <i>gattingeri</i> (Limestone Blue Star)	Southern Interior Calcareous Cliff					Suit	
Plant	<i>Anastrophyllum saxicola</i> ((a liverwort))	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Anastrophyllum saxicola</i> ((a liverwort))	Central and Southern Appalachian Spruce-Fir Forest						Suit
Plant	<i>Anemone caroliniana</i> (Carolina Anemone)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	<i>Angelica atropurpurea</i> (Great Angelica)	Central and Southern Appalachian Spruce-Fir Forest						Marg
Plant	<i>Angelica atropurpurea</i> (Great Angelica)	Southern Appalachian Grass and Shrub Bald						Pref
Plant	<i>Apios priceana</i> (Price's Potato-bean)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	<i>Apios priceana</i> (Price's Potato-bean)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Plant	<i>Apios priceana</i> (Price's Potato-bean)	South-Central Interior Mesophytic Forest			Suit	Suit		
Plant	<i>Apios priceana</i> (Price's Potato-bean)	South-Central Interior Small Stream and Riparian			Suit	Suit		
Plant	<i>Arabis hirsuta</i> (Western Hairy Rockcress)	Central Interior Highlands Calcareous Glade and Barrens			Suit			
Plant	<i>Arabis hirsuta</i> (Western Hairy Rockcress)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	<i>Archidium alternifolium</i> ((a moss))	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Plant	<i>Archidium alternifolium</i> ((a moss))	Central Appalachian Alkaline Glade and Woodland					Suit	
Plant	<i>Archidium alternifolium</i> ((a moss))	Southern Ridge and Valley Patch Prairie					Marg	
Plant	<i>Archidium alternifolium</i> ((a moss))	Old Field / Successional					Marg	
Plant	<i>Archidium alternifolium</i> ((a moss))	Pasture					Marg	
Plant	<i>Arenaria lanuginosa</i> (Woolly Sandwort)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	<i>Arenaria lanuginosa</i> (Woolly Sandwort)	Central Interior Highlands Calcareous Glade and Barrens			Suit			
Plant	<i>Arnoglossum plantagineum</i> (Fen Indian-plantain)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	<i>Asclepias purpurascens</i> (Purple Milkweed)	Central Interior Highlands Calcareous Glade and Barrens			Suit			
Plant	<i>Asclepias purpurascens</i> (Purple Milkweed)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	<i>Asclepias purpurascens</i> (Purple Milkweed)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Plant	<i>Asclepias purpurascens</i> (Purple Milkweed)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Plant	<i>Asclepias purpurascens</i> (Purple Milkweed)	Western Highland Rim Prairie and Barrens			Suit			

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Plant	<i>Asclepias purpurascens</i> (Purple Milkweed)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	<i>Asplenium scolopendrium</i> var. <i>americanum</i> (Hart's-tongue Fern)	Southern Interior Sinkhole Wall				Suit	Suit	
Plant	<i>Astragalus bibullatus</i> (Pyne's Ground-plum)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	<i>Astragalus tennesseensis</i> (Tennessee Milk-vetch)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	<i>Athyrium filix-femina</i> ssp. <i>angustum</i> (Northern Lady Fern)	Southern Appalachian Northern Hardwood Forest						Pref
Plant	<i>Aureolaria patula</i> (Spreading False-foxglove)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Plant	<i>Aureolaria patula</i> (Spreading False-foxglove)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	<i>Aureolaria patula</i> (Spreading False-foxglove)	Southern Interior Calcareous Cliff					Suit	
Plant	<i>Bacopa caroliniana</i> (Carolina Water-hyssop)	South-Central Interior Large Floodplain			Marg	Marg	Marg	Marg
Plant	<i>Bacopa caroliniana</i> (Carolina Water-hyssop)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Bacopa caroliniana</i> (Carolina Water-hyssop)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	<i>Bacopa caroliniana</i> (Carolina Water-hyssop)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Baptisia bracteata</i> var. <i>leucophaea</i> (Cream Wild-indigo)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Pref			
Plant	<i>Baptisia bracteata</i> var. <i>leucophaea</i> (Cream Wild-indigo)	Western Highland Rim Prairie and Barrens			Suit			
Plant	<i>Bazzania nudicaulis</i> ((a liverwort))	Central and Southern Appalachian Spruce-Fir Forest						Pref
Plant	<i>Berberis canadensis</i> (American Barberry)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Pref	Pref	
Plant	<i>Berberis canadensis</i> (American Barberry)	Southern Appalachian Oak Forest					Suit	Suit
Plant	<i>Berberis canadensis</i> (American Barberry)	Cumberland Riverscour				Suit		
Plant	<i>Betula papyrifera</i> var. <i>cordifolia</i> (Heart-leaved Paper Birch)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Betula papyrifera</i> var. <i>cordifolia</i> (Heart-leaved Paper Birch)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Plant	<i>Boechera patens</i> (Spreading Rockcress)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Pref	Pref	
Plant	<i>Boechera perstellata</i> (Braun's Rockcress)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	<i>Boechera perstellata</i> (Braun's Rockcress)	South-Central Interior Mesophytic Forest			Pref			
Plant	<i>Boechera shortii</i> (Short's Rockcress)	South-Central Interior Mesophytic Forest			Suit			
Plant	<i>Boechera shortii</i> (Short's Rockcress)	South-Central Interior Large Floodplain			Suit			
Plant	<i>Boechera shortii</i> (Short's Rockcress)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	<i>Bolboschoenus fluviatilis</i> (River Bulrush)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Plant	<i>Bolboschoenus fluviatilis</i> (River Bulrush)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Botrychium jenmanii</i> (Alabama Grapefern)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	Suit
Plant	<i>Botrychium jenmanii</i> (Alabama Grapefern)	Southern Appalachian Oak Forest					Marg	Marg
Plant	<i>Botrychium jenmanii</i> (Alabama Grapefern)	Southern Appalachian Low-Elevation Pine Forest				Suit	Suit	Suit
Plant	<i>Botrychium jenmanii</i> (Alabama Grapefern)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Botrychium matricariifolium</i> (Chamomile Grapefern)	Southern and Central Appalachian Cove Forest						Marg
Plant	<i>Botrychium matricariifolium</i> (Chamomile Grapefern)	Southern Appalachian Oak Forest						Suit

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Plant	<i>Botrychium matricariifolium</i> (Chamomile Grapefern)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Botrychium matricariifolium</i> (Chamomile Grapefern)	Southern Appalachian Low-Elevation Pine Forest						Suit
Plant	<i>Botrychium matricariifolium</i> (Chamomile Grapefern)	Southern Appalachian Montane Pine Forest and Woodland						Suit
Plant	<i>Botrychium matricariifolium</i> (Chamomile Grapefern)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Plant	<i>Botrychium matricariifolium</i> (Chamomile Grapefern)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	<i>Botrychium oneidense</i> (Blunt-lobed Grapefern)	Southern and Central Appalachian Cove Forest						Suit
Plant	<i>Botrychium oneidense</i> (Blunt-lobed Grapefern)	Southern Appalachian Oak Forest						Suit
Plant	<i>Botrychium oneidense</i> (Blunt-lobed Grapefern)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Botrychium oneidense</i> (Blunt-lobed Grapefern)	Southern and Central Appalachian Bog and Fen						Suit
Plant	<i>Botrychium oneidense</i> (Blunt-lobed Grapefern)	Southern Appalachian Seepage Wetland						Suit
Plant	<i>Botrychium simplex</i> (Least Grape-fern)	Southern Appalachian Northern Hardwood Forest						Pref
Plant	<i>Botrychium simplex</i> (Least Grape-fern)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	<i>Brachydontium trichodes</i> (Peak Moss)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Brachydontium trichodes</i> (Peak Moss)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Plant	<i>Brachydontium trichodes</i> (Peak Moss)	Southern Appalachian Seepage Wetland						Pref
Plant	<i>Brachyelytrum aristosum</i> (Northern Shorthusk)	Southern and Central Appalachian Cove Forest						Pref
Plant	<i>Brachyelytrum aristosum</i> (Northern Shorthusk)	Southern Appalachian Oak Forest						Suit
Plant	<i>Brachyelytrum aristosum</i> (Northern Shorthusk)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Brachyelytrum aristosum</i> (Northern Shorthusk)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Plant	<i>Bryoxiphium norvegicum</i> (Sword Moss)	South-Central Interior Small Stream and Riparian				Suit		Suit
Plant	<i>Bryoxiphium norvegicum</i> (Sword Moss)	Cumberland Acidic Cliff and Rockhouse				Pref		
Plant	<i>Bryoxiphium norvegicum</i> (Sword Moss)	Southern Appalachian Spray Cliff						Pref
Plant	<i>Buckleya distichophylla</i> (Piratebush)	Southern Appalachian Oak Forest					Marg	Pref
Plant	<i>Buckleya distichophylla</i> (Piratebush)	Southern Appalachian Low-Elevation Pine Forest					Marg	Pref
Plant	<i>Buckleya distichophylla</i> (Piratebush)	Southern Appalachian Montane Pine Forest and Woodland						Suit
Plant	<i>Buckleya distichophylla</i> (Piratebush)	South-Central Interior Small Stream and Riparian						Marg
Plant	<i>Calamagrostis cainii</i> (Cain's Reedgrass)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	<i>Calamagrostis cainii</i> (Cain's Reedgrass)	Southern Appalachian Rocky Summit						Pref
Plant	<i>Calamagrostis porteri</i> (Porter's Reedgrass)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Plant	<i>Calamagrostis porteri</i> (Porter's Reedgrass)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	Suit
Plant	<i>Calamagrostis porteri</i> (Porter's Reedgrass)	Southern Appalachian Oak Forest					Suit	Suit
Plant	<i>Calamovilfa arcuata</i> (Cumberland Sand-Grass)	Cumberland Riverscour				Pref		
Plant	<i>Caltha palustris</i> (Marsh Marigold)	Southern and Central Appalachian Bog and Fen						Pref
Plant	<i>Caltha palustris</i> (Marsh Marigold)	South-Central Interior Small Stream and Riparian						Suit
Plant	<i>Campanula aparinoides</i> (Marsh Bellflower)	Cumberland Wet-Mesic Meadow and Savanna				Suit		

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	Campanula aparinoides (Marsh Bellflower)	Southern and Central Appalachian Bog and Fen						Suit
Plant	Campanula aparinoides (Marsh Bellflower)	South-Central Interior Small Stream and Riparian			Suit	Suit	Suit	Suit
Plant	Cardamine clematitidis (Mountain Bittercress)	Southern Appalachian Oak Forest						Suit
Plant	Cardamine clematitidis (Mountain Bittercress)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Cardamine clematitidis (Mountain Bittercress)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Plant	Cardamine clematitidis (Mountain Bittercress)	Southern Appalachian Seepage Wetland						Pref
Plant	Cardamine flagellifera (Running Bittercress)	South-Central Interior Mesophytic Forest				Suit	Suit	
Plant	Cardamine flagellifera (Running Bittercress)	Southern and Central Appalachian Cove Forest						Suit
Plant	Cardamine flagellifera (Running Bittercress)	Southern Appalachian Seepage Wetland						Suit
Plant	Cardamine flagellifera (Running Bittercress)	South-Central Interior Small Stream and Riparian				Suit	Suit	Suit
Plant	Cardamine rotundifolia (Round-leaf Watercress)	South-Central Interior Mesophytic Forest				Marg	Marg	
Plant	Cardamine rotundifolia (Round-leaf Watercress)	Southern and Central Appalachian Cove Forest				Marg	Marg	Marg
Plant	Cardamine rotundifolia (Round-leaf Watercress)	Southern and Central Appalachian Bog and Fen						Pref
Plant	Cardamine rotundifolia (Round-leaf Watercress)	Southern Appalachian Seepage Wetland						Pref
Plant	Cardamine rotundifolia (Round-leaf Watercress)	South-Central Interior Small Stream and Riparian				Suit	Suit	Suit
Plant	Cardamine rotundifolia (Round-leaf Watercress)	Cumberland Acidic Cliff and Rockhouse				Suit		
Plant	Carex argyrantha (Hay Sedge)	Allegheny-Cumberland Dry Oak Forest and Woodland						Marg
Plant	Carex argyrantha (Hay Sedge)	Southern Appalachian Oak Forest						Marg
Plant	Carex argyrantha (Hay Sedge)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Carex argyrantha (Hay Sedge)	Southern Appalachian Montane Pine Forest and Woodland						Suit
Plant	Carex barrattii (Barratt's Sedge)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	Carex barrattii (Barratt's Sedge)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Plant	Carex bromoides ssp. montana (Blue Ridge Brome Sedge)	Southern and Central Appalachian Cove Forest						Pref
Plant	Carex bromoides ssp. montana (Blue Ridge Brome Sedge)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Plant	Carex buxbaumii (Brown Bog Sedge)	Eastern Highland Rim Prairie and Barrens			Marg			
Plant	Carex buxbaumii (Brown Bog Sedge)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit		
Plant	Carex chapmanii (Chapman's Sedge)	Eastern Highland Rim Prairie and Barrens			Marg			
Plant	Carex chapmanii (Chapman's Sedge)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg			
Plant	Carex comosa (Bristly Sedge)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Plant	Carex comosa (Bristly Sedge)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	Carex comosa (Bristly Sedge)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Plant	Carex comosa (Bristly Sedge)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Plant	Carex comosa (Bristly Sedge)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit		Suit	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	Carex comosa (Bristly Sedge)	Interior Low Plateau Seepage Fen			Suit			
Plant	Carex comosa (Bristly Sedge)	South-Central Interior Small Stream and Riparian		Suit	Suit		Suit	
Plant	Carex comosa (Bristly Sedge)	South-Central Interior Large Floodplain			Suit		Suit	
Plant	Carex comosa (Bristly Sedge)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	Carex comosa (Bristly Sedge)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	Carex comosa (Bristly Sedge)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	Carex davisii (Davis' Sedge)	South-Central Interior Small Stream and Riparian			Suit			
Plant	Carex davisii (Davis' Sedge)	South-Central Interior Large Floodplain			Pref			
Plant	Carex echinata ssp. echinata (Little Prickly Sedge)	Cumberland Seepage Forest				Suit		
Plant	Carex echinata ssp. echinata (Little Prickly Sedge)	Southern and Central Appalachian Bog and Fen						Suit
Plant	Carex echinata ssp. echinata (Little Prickly Sedge)	Southern Appalachian Seepage Wetland						Suit
Plant	Carex echinata ssp. echinata (Little Prickly Sedge)	South-Central Interior Small Stream and Riparian				Suit		Suit
Plant	Carex folliculata (northern long sedge)	Southern and Central Appalachian Bog and Fen						Pref
Plant	Carex hirtifolia (Pubescent Sedge)	South-Central Interior Small Stream and Riparian			Pref			
Plant	Carex hitchcockiana (Hitchcock's Sedge)	South-Central Interior Mesophytic Forest			Pref			
Plant	Carex hitchcockiana (Hitchcock's Sedge)	Southern and Central Appalachian Cove Forest						Pref
Plant	Carex hyalina (Tissue Sedge)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Plant	Carex lacustris (Lake-bank Sedge)	Mississippi River High Floodplain (Bottomland) Forest	Suit					
Plant	Carex lacustris (Lake-bank Sedge)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Plant	Carex lacustris (Lake-bank Sedge)	Mississippi River Riparian Forest	Suit					
Plant	Carex lacustris (Lake-bank Sedge)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Plant	Carex lacustris (Lake-bank Sedge)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	Carex lacustris (Lake-bank Sedge)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Plant	Carex lacustris (Lake-bank Sedge)	Mississippi River Bottomland Depression	Suit					
Plant	Carex lacustris (Lake-bank Sedge)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Plant	Carex lacustris (Lake-bank Sedge)	Interior Low Plateau Seepage Fen			Suit			
Plant	Carex lacustris (Lake-bank Sedge)	South-Central Interior Small Stream and Riparian		Suit	Suit			
Plant	Carex lacustris (Lake-bank Sedge)	South-Central Interior Large Floodplain			Suit			
Plant	Carex lacustris (Lake-bank Sedge)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	Carex lacustris (Lake-bank Sedge)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	Carex lacustris (Lake-bank Sedge)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	Carex lonchocarpa (Southern Long Sedge)	Cumberland Seepage Forest				Pref		
Plant	Carex manhartii (Manhart's Sedge)	Southern and Central Appalachian Cove Forest						Pref
Plant	Carex misera (Wretched Sedge)	Southern Appalachian Rocky Summit						Pref
Plant	Carex ouachitana (Ouachita Sedge)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			

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Plant	Carex ouachitana (Ouachita Sedge)	South-Central Interior Mesophytic Forest			Suit			
Plant	Carex pallescens (Pale Sedge)	Southern Appalachian Grass and Shrub Bald						Pref
Plant	Carex reniformis (Reniform Sedge)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	Carex reniformis (Reniform Sedge)	South-Central Interior Large Floodplain			Suit			
Plant	Carex roanensis (Roan Mountain Sedge)	Southern and Central Appalachian Cove Forest						Suit
Plant	Carex roanensis (Roan Mountain Sedge)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Carex ruthii (Ruth's Sedge)	Southern and Central Appalachian Cove Forest						Suit
Plant	Carex ruthii (Ruth's Sedge)	Southern Appalachian Oak Forest						Suit
Plant	Carex ruthii (Ruth's Sedge)	Southern Appalachian Northern Hardwood Forest						Pref
Plant	Carex ruthii (Ruth's Sedge)	Southern Appalachian Seepage Wetland						Pref
Plant	Carex vestita (Velvety Sedge)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	Carex x aestivaliformis ((a hybrid sedge))	Southern Appalachian Oak Forest						Pref
Plant	Castanea dentata (American Chestnut)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Plant	Castanea dentata (American Chestnut)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Pref			
Plant	Castanea dentata (American Chestnut)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	Suit
Plant	Castanea dentata (American Chestnut)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Plant	Castanea dentata (American Chestnut)	Southern Appalachian Oak Forest					Pref	Pref
Plant	Castanea dentata (American Chestnut)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Marg	Marg
Plant	Castanea dentata (American Chestnut)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Plant	Caulophyllum giganteum (Giant Blue Cohosh)	South-Central Interior Mesophytic Forest			Pref	Suit		
Plant	Caulophyllum giganteum (Giant Blue Cohosh)	Southern and Central Appalachian Cove Forest						Suit
Plant	Cephaloziella massalongi ((a liverwort))	Central and Southern Appalachian Spruce-Fir Forest						Suit
Plant	Cephaloziella massalongi ((a liverwort))	Southern Appalachian Montane Cliff and Talus						Suit
Plant	Cephaloziella massalongi ((a liverwort))	Southern Appalachian Rocky Summit						Pref
Plant	Cephaloziella spinicaulis ((a liverwort))	South-Central Interior Small Stream and Riparian						Suit
Plant	Cerastium velutinum var. velutinum (Velvety Cerastium)	Central Interior Calcareous Cliff and Talus			Pref			
Plant	Ceratophyllum echinatum (Prickly Hornwort)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				
Plant	Ceratophyllum echinatum (Prickly Hornwort)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Plant	Chelone obliqua (Red Turtlehead)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Plant	Chelone obliqua (Red Turtlehead)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				
Plant	Chrysogonum virginianum (Green-and-gold)	South-Central Interior Mesophytic Forest				Pref	Pref	
Plant	Chrysogonum virginianum (Green-and-gold)	Southern and Central Appalachian Cove Forest				Pref	Pref	Pref
Plant	Chrysogonum virginianum (Green-and-gold)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	<i>Cimicifuga rubifolia</i> (Appalachian Bugbane)	South-Central Interior Mesophytic Forest			Suit	Suit	Suit	
Plant	<i>Cimicifuga rubifolia</i> (Appalachian Bugbane)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	<i>Cimicifuga rubifolia</i> (Appalachian Bugbane)	Southern Interior Calcareous Cliff					Suit	
Plant	<i>Clematis fremontii</i> (Fremont's Virgin's-bower)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Pref	
Plant	<i>Clematis glaucophylla</i> (White-leaved Leather-flower)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	<i>Clematis glaucophylla</i> (White-leaved Leather-flower)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Plant	<i>Clematis glaucophylla</i> (White-leaved Leather-flower)	Southern Appalachian Oak Forest					Suit	Suit
Plant	<i>Clematis morefieldii</i> (Morefield's Leather-flower)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Pref		
Plant	<i>Clematis pitcheri</i> (Pitcher Leather-flower)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	<i>Clematis pitcheri</i> (Pitcher Leather-flower)	South-Central Interior Small Stream and Riparian			Suit			
Plant	<i>Clematis pitcheri</i> (Pitcher Leather-flower)	Central Interior Calcareous Cliff and Talus			Pref			
Plant	<i>Clethra alnifolia</i> (Coastal Sweet Pepper-bush)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	<i>Clethra alnifolia</i> (Coastal Sweet Pepper-bush)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref			
Plant	<i>Clintonia borealis</i> (Clinton's Lily)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Clintonia borealis</i> (Clinton's Lily)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Plant	<i>Coeloglossum viride</i> var. <i>virescens</i> (Long-bracted Green Orchid)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Coeloglossum viride</i> var. <i>virescens</i> (Long-bracted Green Orchid)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	<i>Coeloglossum viride</i> var. <i>virescens</i> (Long-bracted Green Orchid)	Southern Appalachian Seepage Wetland						Suit
Plant	<i>Collinsia verna</i> (Spring Blue-eyed Mary)	South-Central Interior Small Stream and Riparian			Pref			
Plant	<i>Cololejeunea ornata</i> (Ornate Cololejeunea)	Southern Appalachian Montane Cliff and Talus				Pref		
Plant	<i>Cololejeunea ornata</i> (Ornate Cololejeunea)	Southern Interior Sinkhole Wall			Pref			
Plant	<i>Comptonia peregrina</i> (Sweet-fern)	Cumberland Riverscour				Suit		
Plant	<i>Conradina verticillata</i> (Cumberland Rosemary)	Cumberland Riverscour				Pref		
Plant	<i>Corallorhiza maculata</i> (Spotted Coralroot)	Southern and Central Appalachian Cove Forest				Pref		Pref
Plant	<i>Corallorhiza maculata</i> (Spotted Coralroot)	Southern Appalachian Oak Forest						Suit
Plant	<i>Corallorhiza maculata</i> (Spotted Coralroot)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Coreopsis delphiniifolia</i> (Larkspur-leaved Coreopsis)	Southern Appalachian Oak Forest						Suit
Plant	<i>Coreopsis delphiniifolia</i> (Larkspur-leaved Coreopsis)	Southern Appalachian Low-Elevation Pine Forest						Suit
Plant	<i>Coreopsis latifolia</i> (Broad-leaved Tickseed)	Southern and Central Appalachian Cove Forest						Suit
Plant	<i>Coreopsis latifolia</i> (Broad-leaved Tickseed)	Southern Appalachian Oak Forest						Marg
Plant	<i>Coreopsis latifolia</i> (Broad-leaved Tickseed)	Southern Appalachian Northern Hardwood Forest						Pref
Plant	<i>Corydalis sempervirens</i> (Pale Corydalis)	Cumberland Acidic Cliff and Rockhouse				Marg	Marg	
Plant	<i>Corydalis sempervirens</i> (Pale Corydalis)	Southern Appalachian Montane Cliff and Talus				Marg	Marg	Suit
Plant	<i>Corydalis sempervirens</i> (Pale Corydalis)	Southern Appalachian Rocky Summit						Suit

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Plant	<i>Cotinus obovatus</i> (American Smoketree)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	<i>Cotinus obovatus</i> (American Smoketree)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Pref		
Plant	<i>Crataegus harbisonii</i> (Harbison's Hawthorn)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Plant	<i>Crataegus harbisonii</i> (Harbison's Hawthorn)	Central Interior Highlands Calcareous Glade and Barrens			Suit			
Plant	<i>Cymophyllus fraserianus</i> (Fraser's Sedge)	Southern and Central Appalachian Cove Forest						Pref
Plant	<i>Cyperus dentatus</i> (Toothed Sedge)	South-Central Interior Large Floodplain						Suit
Plant	<i>Cyperus plukenetii</i> (Plukenet's Galingale)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Plant	<i>Cyperus plukenetii</i> (Plukenet's Galingale)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Plant	<i>Cyperus plukenetii</i> (Plukenet's Galingale)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Pref				
Plant	<i>Cyperus plukenetii</i> (Plukenet's Galingale)	Cumberland Sandstone Glade and Barrens				Suit		
Plant	<i>Cypripedium kentuckiense</i> (Southern Lady's-slipper)	South-Central Interior Small Stream and Riparian		Pref	Pref	Pref		
Plant	<i>Cypripedium reginae</i> (Showy Lady's-slipper)	Southern Interior Calcareous Cliff					Pref	Pref
Plant	<i>Dalea candida</i> (White Prairie-clover)	Central Interior Highlands Calcareous Glade and Barrens			Suit	Suit	Suit	
Plant	<i>Dalea candida</i> (White Prairie-clover)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	<i>Dalea candida</i> (White Prairie-clover)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Plant	<i>Dalea foliosa</i> (Leafy Prairie-clover)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	<i>Dalea purpurea</i> (Purple Prairie-clover)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	<i>Danthonia epilis</i> (Bog Oat-grass)	Cumberland Riverscour				Pref		
Plant	<i>Danthonia epilis</i> (Bog Oat-grass)	South-Central Interior Small Stream and Riparian				Marg		
Plant	<i>Delphinium exaltatum</i> (Tall Larkspur)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Plant	<i>Delphinium exaltatum</i> (Tall Larkspur)	Central Appalachian Alkaline Glade and Woodland					Marg	
Plant	<i>Delphinium exaltatum</i> (Tall Larkspur)	Southern Ridge and Valley Patch Prairie					Pref	
Plant	<i>Desmodium ochroleucum</i> (Creamflower Tick-trefoil)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	Suit
Plant	<i>Desmodium ochroleucum</i> (Creamflower Tick-trefoil)	Central Interior Highlands Calcareous Glade and Barrens		Pref	Pref	Pref	Pref	
Plant	<i>Desmodium ochroleucum</i> (Creamflower Tick-trefoil)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	<i>Diamorpha smallii</i> (Small's Stonecrop)	Cumberland Sandstone Glade and Barrens				Pref		
Plant	<i>Diarrhena obovata</i> (Beak Grass)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	<i>Diarrhena obovata</i> (Beak Grass)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	<i>Diarrhena obovata</i> (Beak Grass)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	<i>Dichanthelium aciculare</i> (Needleleaf Witchgrass)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Dichanthelium acuminatum</i> ssp. <i>leucothrix</i> (Roughish Witchgrass)	Western Highland Rim Prairie and Barrens			Suit			
Plant	<i>Dichanthelium acuminatum</i> ssp. <i>leucothrix</i> (Roughish Witchgrass)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Dichanthelium acuminatum</i> ssp. <i>spretum</i> (Eaton's Witchgrass)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	<i>Dichanthelium ensifolium</i> ssp. <i>curtifolium</i> (Short-leaved Panic Grass)	Eastern Highland Rim Prairie and Barrens			Suit			

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Plant	<i>Dichanthelium ensifolium</i> ssp. <i>curtifolium</i> (Short-leaved Panic Grass)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	<i>Dichanthelium ensifolium</i> ssp. <i>ensifolium</i> (Small-leaved Panicgrass)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	<i>Dichanthelium ensifolium</i> ssp. <i>ensifolium</i> (Small-leaved Panicgrass)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	<i>Dichanthelium ensifolium</i> ssp. <i>ensifolium</i> (Small-leaved Panicgrass)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Marg				
Plant	<i>Dichanthelium ensifolium</i> ssp. <i>ensifolium</i> (Small-leaved Panicgrass)	Cumberland Seepage Forest				Suit		
Plant	<i>Dichanthelium ensifolium</i> ssp. <i>ensifolium</i> (Small-leaved Panicgrass)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Plant	<i>Didiplis diandra</i> (Water-purslane)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	<i>Didiplis diandra</i> (Water-purslane)	South-Central Interior Small Stream and Riparian		Suit				Suit
Plant	<i>Didiplis diandra</i> (Water-purslane)	South-Central Interior Large Floodplain						Suit
Plant	<i>Didiplis diandra</i> (Water-purslane)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Didiplis diandra</i> (Water-purslane)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Diervilla lonicera</i> (Northern Bush-honeysuckle)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Diervilla lonicera</i> (Northern Bush-honeysuckle)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	<i>Diervilla lonicera</i> (Northern Bush-honeysuckle)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	<i>Diervilla lonicera</i> (Northern Bush-honeysuckle)	Cumberland Acidic Cliff and Rockhouse				Suit	Suit	
Plant	<i>Diervilla lonicera</i> (Northern Bush-honeysuckle)	Southern Interior Calcareous Cliff					Suit	Suit
Plant	<i>Diervilla lonicera</i> (Northern Bush-honeysuckle)	Southern Appalachian Rocky Summit						Suit
Plant	<i>Diervilla sessilifolia</i> var. <i>rivularis</i> (Mountain Bush-honeysuckle)	South-Central Interior Small Stream and Riparian				Suit	Suit	
Plant	<i>Diervilla sessilifolia</i> var. <i>rivularis</i> (Mountain Bush-honeysuckle)	Cumberland Acidic Cliff and Rockhouse				Suit	Suit	
Plant	<i>Diervilla sessilifolia</i> var. <i>rivularis</i> (Mountain Bush-honeysuckle)	Southern Appalachian Montane Cliff and Talus				Suit	Suit	Pref
Plant	<i>Draba cuneifolia</i> (Wedge-leaved Whitlow-grass)	Central Interior Highlands Calcareous Glade and Barrens		Pref	Pref			
Plant	<i>Draba ramosissima</i> (Branching Whitlow-grass)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	<i>Draba ramosissima</i> (Branching Whitlow-grass)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Marg	
Plant	<i>Draba ramosissima</i> (Branching Whitlow-grass)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	<i>Draba ramosissima</i> (Branching Whitlow-grass)	Southern Appalachian Montane Cliff and Talus						Suit
Plant	<i>Draba ramosissima</i> (Branching Whitlow-grass)	Southern Interior Calcareous Cliff					Suit	Suit
Plant	<i>Drepanolejeunea appalachiana</i> ((a liverwort))	Southern and Central Appalachian Cove Forest				Pref		Pref
Plant	<i>Drepanolejeunea appalachiana</i> ((a liverwort))	South-Central Interior Small Stream and Riparian				Suit		Suit
Plant	<i>Drosera brevifolia</i> (Dwarf Sundew)	Western Highland Rim Prairie and Barrens			Suit			
Plant	<i>Drosera brevifolia</i> (Dwarf Sundew)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Drosera capillaris</i> (Pink Sundew)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	<i>Drosera capillaris</i> (Pink Sundew)	Cumberland Wet-Mesic Meadow and Savanna				Pref		
Plant	<i>Drosera rotundifolia</i> (Roundleaf Sundew)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	<i>Drosera rotundifolia</i> (Roundleaf Sundew)	Cumberland Seepage Forest				Suit		

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	<i>Elymus svensonii</i> (Svenson's Wild-rye)	Central Interior Calcareous Cliff and Talus			Pref			
Plant	<i>Entodon concinnus</i> (Lime Entodon)	Southern Appalachian Spray Cliff						Suit
Plant	<i>Entodon concinnus</i> (Lime Entodon)	Southern Appalachian Montane Cliff and Talus						Marg
Plant	<i>Epilobium angustifolium</i> (Fireweed)	Southern Appalachian Oak Forest						Marg
Plant	<i>Epilobium angustifolium</i> (Fireweed)	Southern Appalachian Northern Hardwood Forest						Marg
Plant	<i>Epilobium angustifolium</i> (Fireweed)	Central and Southern Appalachian Spruce-Fir Forest						Marg
Plant	<i>Epilobium angustifolium</i> (Fireweed)	Southern Appalachian Grass and Shrub Bald						Marg
Plant	<i>Epilobium angustifolium</i> (Fireweed)	Southern Appalachian Montane Cliff and Talus						Marg
Plant	<i>Epilobium angustifolium</i> (Fireweed)	Southern Appalachian Rocky Summit						Marg
Plant	<i>Epilobium ciliatum</i> (Hairy Willow-herb)	Cumberland Seepage Forest				Marg		
Plant	<i>Epilobium ciliatum</i> (Hairy Willow-herb)	Southern and Central Appalachian Bog and Fen						Suit
Plant	<i>Epilobium ciliatum</i> (Hairy Willow-herb)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Marg	Marg	
Plant	<i>Epilobium ciliatum</i> (Hairy Willow-herb)	Southern Appalachian Seepage Wetland						Pref
Plant	<i>Epilobium leptophyllum</i> (Linear-leaved Willow-herb)	Southern and Central Appalachian Bog and Fen						Suit
Plant	<i>Epilobium leptophyllum</i> (Linear-leaved Willow-herb)	Southern Appalachian Seepage Wetland						Pref
Plant	<i>Eriocaulon decangulare</i> (Ten-angle pipewort)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref			
Plant	<i>Eriogonum longifolium</i> var. <i>harperi</i> (Harper's Umbrella-plant)	Central Interior Highlands Calcareous Glade and Barrens			Suit			
Plant	<i>Eriogonum longifolium</i> var. <i>harperi</i> (Harper's Umbrella-plant)	Central Interior Calcareous Cliff and Talus			Pref			
Plant	<i>Eriophorum virginicum</i> (Tawny Cotton-grass)	Southern and Central Appalachian Bog and Fen						Pref
Plant	<i>Eriophorum virginicum</i> (Tawny Cotton-grass)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Suit		
Plant	<i>Eriophorum virginicum</i> (Tawny Cotton-grass)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	<i>Eryngium integrifolium</i> (Blue-flower Coyote-thistle)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Eryngium integrifolium</i> (Blue-flower Coyote-thistle)	South-Central Interior Small Stream and Riparian					Suit	
Plant	<i>Erysimum capitatum</i> (Western Wallflower)	Central Interior Highlands Calcareous Glade and Barrens			Suit		Suit	
Plant	<i>Erysimum capitatum</i> (Western Wallflower)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	<i>Erysimum capitatum</i> (Western Wallflower)	Southern Interior Calcareous Cliff					Suit	
Plant	<i>Erythronium rostratum</i> (Beaked Trout-lily)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Plant	<i>Erythronium rostratum</i> (Beaked Trout-lily)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Plant	<i>Erythronium rostratum</i> (Beaked Trout-lily)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Plant	<i>Erythronium rostratum</i> (Beaked Trout-lily)	South-Central Interior Mesophytic Forest		Suit	Pref			
Plant	<i>Eupatorium leucolepis</i> (White-bracted Thoroughwort)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Eupatorium leucolepis</i> (White-bracted Thoroughwort)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg			

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Plant	<i>Eurybia saxicastellii</i> (Rockcastle Aster)	Cumberland Riverscour				Pref		
Plant	<i>Eurybia schreberi</i> (Schreber's Aster)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	<i>Eurybia schreberi</i> (Schreber's Aster)	Southern Interior Calcareous Cliff					Pref	
Plant	<i>Evolvulus nuttallianus</i> (Evolvulus)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	<i>Festuca paradoxa</i> (Cluster Fescue)	South-Central Interior Mesophytic Forest			Marg			
Plant	<i>Festuca paradoxa</i> (Cluster Fescue)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	<i>Festuca paradoxa</i> (Cluster Fescue)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	<i>Festuca paradoxa</i> (Cluster Fescue)	South-Central Interior Small Stream and Riparian		Suit	Suit			
Plant	<i>Fimbristylis perpusilla</i> (Harper's Fimbristylis)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Pref		
Plant	<i>Fimbristylis puberula</i> (Hairy Fimbristylis)	Central Interior Highlands Calcareous Glade and Barrens			Pref			
Plant	<i>Fimbristylis puberula</i> (Hairy Fimbristylis)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	<i>Fimbristylis puberula</i> (Hairy Fimbristylis)	Western Highland Rim Prairie and Barrens			Suit			
Plant	<i>Fimbristylis puberula</i> (Hairy Fimbristylis)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	<i>Fothergilla major</i> (Mountain Witch-alder)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	Suit
Plant	<i>Fothergilla major</i> (Mountain Witch-alder)	Southern Appalachian Oak Forest						Suit
Plant	<i>Fothergilla major</i> (Mountain Witch-alder)	Cumberland Riverscour				Pref		
Plant	<i>Fothergilla major</i> (Mountain Witch-alder)	South-Central Interior Small Stream and Riparian				Suit		
Plant	<i>Frullania obcordata</i> (Swamp Frullania)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Fuirena squarrosa</i> (Hairy Umbrella-sedge)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Plant	<i>Fuirena squarrosa</i> (Hairy Umbrella-sedge)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Plant	<i>Fuirena squarrosa</i> (Hairy Umbrella-sedge)	Interior Low Plateau Seepage Fen			Suit			
Plant	<i>Fuirena squarrosa</i> (Hairy Umbrella-sedge)	South-Central Interior Small Stream and Riparian		Suit	Suit			Suit
Plant	<i>Fuirena squarrosa</i> (Hairy Umbrella-sedge)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Funaria americana</i> ((a moss))	Southern Interior Calcareous Cliff					Pref	
Plant	<i>Galium asprellum</i> (Rough Bedstraw)	Southern and Central Appalachian Bog and Fen						Suit
Plant	<i>Galium asprellum</i> (Rough Bedstraw)	Southern Appalachian Seepage Wetland						Suit
Plant	<i>Galium asprellum</i> (Rough Bedstraw)	South-Central Interior Small Stream and Riparian						Suit
Plant	<i>Galium palustre</i> (Marsh Bedstraw)	Southern and Central Appalachian Bog and Fen						Suit
Plant	<i>Galium palustre</i> (Marsh Bedstraw)	Southern Appalachian Seepage Wetland						Suit
Plant	<i>Galium palustre</i> (Marsh Bedstraw)	South-Central Interior Small Stream and Riparian						Suit
Plant	<i>Galium uniflorum</i> (Fragrant Bedstraw)	South-Central Interior Small Stream and Riparian					Suit	
Plant	<i>Gaylussacia dumosa</i> (Dwarf Huckleberry)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Gaylussacia dumosa</i> (Dwarf Huckleberry)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	<i>Gelsemium sempervirens</i> (Yellow Jessamine)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	<i>Gelsemium sempervirens</i> (Yellow Jessamine)	Southern Appalachian Oak Forest					Suit	Suit
Plant	<i>Gelsemium sempervirens</i> (Yellow Jessamine)	Southern Appalachian Low-Elevation Pine Forest				Suit	Suit	Suit
Plant	<i>Gelsemium sempervirens</i> (Yellow Jessamine)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Plant	<i>Gelsemium sempervirens</i> (Yellow Jessamine)	Cumberland Sandstone Glade and Barrens				Suit		
Plant	<i>Gelsemium sempervirens</i> (Yellow Jessamine)	Cumberland Acidic Cliff and Rockhouse				Suit	Suit	
Plant	<i>Gentiana austromontana</i> (Appalachian Gentian)	Southern and Central Appalachian Cove Forest						Suit
Plant	<i>Gentiana austromontana</i> (Appalachian Gentian)	Southern Appalachian Oak Forest						Suit
Plant	<i>Gentiana austromontana</i> (Appalachian Gentian)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Gentiana austromontana</i> (Appalachian Gentian)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Plant	<i>Gentiana austromontana</i> (Appalachian Gentian)	Southern Appalachian Grass and Shrub Bald						Marg
Plant	<i>Gentiana linearis</i> (Narrow-leaved Gentian)	Southern Appalachian Seepage Wetland						Suit
Plant	<i>Gentiana puberulenta</i> (Downy Gentian)	Nashville Basin Limestone Glade and Woodland			Marg			
Plant	<i>Gentiana puberulenta</i> (Downy Gentian)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	<i>Geranium robertianum</i> (Herb-robert)	South-Central Interior Mesophytic Forest			Suit			
Plant	<i>Geranium robertianum</i> (Herb-robert)	Central Interior Calcareous Cliff and Talus			Pref			
Plant	<i>Geum aleppicum</i> (Yellow Avens)	Southern and Central Appalachian Bog and Fen						Pref
Plant	<i>Geum geniculatum</i> (Bent Avens)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Geum geniculatum</i> (Bent Avens)	Southern Appalachian Seepage Wetland						Pref
Plant	<i>Geum laciniatum</i> (Rough Avens)	South-Central Interior Large Floodplain						Pref
Plant	<i>Geum radiatum</i> (Spreading Avens)	Southern Appalachian Grass and Shrub Bald						Pref
Plant	<i>Geum radiatum</i> (Spreading Avens)	Southern Appalachian Rocky Summit						Pref
Plant	<i>Glyceria acutiflora</i> (Sharp-scaled Mannagrass)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref	Pref		
Plant	<i>Glyceria laxa</i> (Northern Mannagrass)	Southern and Central Appalachian Bog and Fen						Pref
Plant	<i>Glyceria laxa</i> (Northern Mannagrass)	Southern Appalachian Seepage Wetland						Suit
Plant	<i>Glyceria nubigena</i> (Smoky Mountains Mannagrass)	Southern Appalachian Seepage Wetland						Pref
Plant	<i>Goodyera repens</i> (Dwarf Rattlesnake-plantain)	South-Central Interior Mesophytic Forest					Marg	
Plant	<i>Goodyera repens</i> (Dwarf Rattlesnake-plantain)	Southern and Central Appalachian Cove Forest					Suit	Pref
Plant	<i>Gratiola floridana</i> (Florida Hedge-hyssop)	South-Central Interior Small Stream and Riparian			Marg		Marg	
Plant	<i>Gratiola floridana</i> (Florida Hedge-hyssop)	South-Central Interior Large Floodplain			Suit		Suit	
Plant	<i>Grimmia olneyi</i> (Grimmia Moss)	Cumberland Acidic Cliff and Rockhouse					Suit	
Plant	<i>Grimmia olneyi</i> (Grimmia Moss)	Southern Appalachian Montane Cliff and Talus						Suit
Plant	<i>Grimmia olneyi</i> (Grimmia Moss)	Southern Interior Calcareous Cliff					Suit	
Plant	<i>Gymnomitrium laceratum</i> ((a liverwort))	Southern Appalachian Montane Cliff and Talus						Suit
Plant	<i>Gymnomitrium laceratum</i> ((a liverwort))	Southern Appalachian Rocky Summit						Suit
Plant	<i>Gymnopogon brevifolius</i> (Broad-leaved Beardgrass)	Eastern Highland Rim Prairie and Barrens			Pref			

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Plant	<i>Gymnopogon brevifolius</i> (Broad-leaved Beardgrass)	Cumberland Wet-Mesic Meadow and Savanna				Pref		
Plant	<i>Hasteola suaveolens</i> (Sweet-scented Indian-plantain)	South-Central Interior Small Stream and Riparian			Pref			
Plant	<i>Hedyotis purpurea</i> var. <i>montana</i> (Roan Mountain Bluet)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	<i>Hedyotis purpurea</i> var. <i>montana</i> (Roan Mountain Bluet)	Southern Appalachian Rocky Summit						Pref
Plant	<i>Helenium brevifolium</i> (Shortleaf Sneezeweed)	Cumberland Riverscour				Suit		
Plant	<i>Helianthemum propinquum</i> (Low Frostweed)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Helianthemum propinquum</i> (Low Frostweed)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	<i>Helianthus eggertii</i> (Eggert's Sunflower)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Plant	<i>Helianthus eggertii</i> (Eggert's Sunflower)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg		
Plant	<i>Helianthus eggertii</i> (Eggert's Sunflower)	Central Interior Highlands Calcareous Glade and Barrens			Suit	Suit		
Plant	<i>Helianthus eggertii</i> (Eggert's Sunflower)	Western Highland Rim Prairie and Barrens			Pref			
Plant	<i>Helianthus eggertii</i> (Eggert's Sunflower)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Helianthus eggertii</i> (Eggert's Sunflower)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Plant	<i>Helianthus eggertii</i> (Eggert's Sunflower)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
Plant	<i>Helianthus glaucophyllus</i> (White-leaved Sunflower)	Southern Appalachian Oak Forest						Suit
Plant	<i>Helianthus glaucophyllus</i> (White-leaved Sunflower)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Helianthus occidentalis</i> (Naked-stem Sunflower)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit		Suit	
Plant	<i>Helianthus occidentalis</i> (Naked-stem Sunflower)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	<i>Helianthus occidentalis</i> (Naked-stem Sunflower)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Plant	<i>Helianthus occidentalis</i> (Naked-stem Sunflower)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Plant	<i>Helianthus occidentalis</i> (Naked-stem Sunflower)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	<i>Helianthus verticillatus</i> (Whorled Sunflower)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Plant	<i>Helianthus verticillatus</i> (Whorled Sunflower)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Helianthus verticillatus</i> (Whorled Sunflower)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Heracleum maximum</i> (Cow-parsnip)	Southern and Central Appalachian Cove Forest						Suit
Plant	<i>Heracleum maximum</i> (Cow-parsnip)	Southern Appalachian Oak Forest						Suit
Plant	<i>Heracleum maximum</i> (Cow-parsnip)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Heteranthera limosa</i> (Blue Mud-plantain)	South-Central Interior Large Floodplain			Pref			
Plant	<i>Heteranthera limosa</i> (Blue Mud-plantain)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	<i>Heuchera longiflora</i> var. <i>aceroides</i> (Maple-leaf Alumroot)	Southern Appalachian Montane Cliff and Talus					Suit	Pref
Plant	<i>Heuchera longiflora</i> var. <i>aceroides</i> (Maple-leaf Alumroot)	Southern Interior Calcareous Cliff					Suit	Suit
Plant	<i>Hexastylis virginica</i> (Virginia Heartleaf)	Southern and Central Appalachian Cove Forest					Suit	Suit
Plant	<i>Hieracium longipilum</i> (Hairy Hawkweed)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Plant	<i>Hieracium longipilum</i> (Hairy Hawkweed)	Western Highland Rim Prairie and Barrens			Suit			

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Plant	Hieracium scabrum (Rough Hawkweed)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		Suit
Plant	Hieracium scabrum (Rough Hawkweed)	Southern Appalachian Oak Forest						Suit
Plant	Hieracium scabrum (Rough Hawkweed)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Hieracium scabrum (Rough Hawkweed)	Southern Appalachian Montane Pine Forest and Woodland						Suit
Plant	Homaliadelphus sharpii (Sharp's Homaliadelphus)	Southern Interior Calcareous Cliff					Pref	
Plant	Homaliadelphus sharpii (Sharp's Homaliadelphus)	Southern Interior Sinkhole Wall					Suit	
Plant	Hottonia inflata (Featherfoil)	Mississippi River Bottomland Depression	Pref					
Plant	Hottonia inflata (Featherfoil)	South-Central Interior Large Floodplain			Suit	Suit		
Plant	Huperzia appalachiana (Appalachian Fir Clubmoss)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Plant	Huperzia appalachiana (Appalachian Fir Clubmoss)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	Huperzia appalachiana (Appalachian Fir Clubmoss)	Southern Appalachian Rocky Summit						Suit
Plant	Hydrastis canadensis (Goldenseal)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Plant	Hydrastis canadensis (Goldenseal)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Plant	Hydrastis canadensis (Goldenseal)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	Hydrastis canadensis (Goldenseal)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Plant	Hydrastis canadensis (Goldenseal)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Plant	Hydrastis canadensis (Goldenseal)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Marg				
Plant	Hydrastis canadensis (Goldenseal)	East Gulf Coastal Plain Limestone Forest		Suit				
Plant	Hydrastis canadensis (Goldenseal)	South-Central Interior Mesophytic Forest		Pref	Pref	Pref	Pref	
Plant	Hydrastis canadensis (Goldenseal)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Plant	Hydrastis canadensis (Goldenseal)	Southern Appalachian Oak Forest					Suit	Suit
Plant	Hydrastis canadensis (Goldenseal)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Plant	Hydrastis canadensis (Goldenseal)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Plant	Hydrastis canadensis (Goldenseal)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Plant	Hydrocotyle americana (American Water-pennywort)	Southern Appalachian Seepage Wetland						Suit
Plant	Hydrocotyle americana (American Water-pennywort)	South-Central Interior Small Stream and Riparian				Suit		Suit
Plant	Hydrocotyle americana (American Water-pennywort)	Southern Appalachian Spray Cliff				Suit		Suit
Plant	Hydrolea ovata (Ovate Fiddleleaf)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	Hydrophyllum virginianum (Appalachian Waterleaf)	South-Central Interior Mesophytic Forest					Marg	
Plant	Hydrophyllum virginianum (Appalachian Waterleaf)	Southern and Central Appalachian Cove Forest					Marg	Suit
Plant	Hydrophyllum virginianum (Appalachian Waterleaf)	Southern Appalachian Oak Forest						Marg
Plant	Hydrophyllum virginianum (Appalachian Waterleaf)	Southern Appalachian Northern Hardwood Forest						Pref
Plant	Hymenophyllum tayloriae (Taylor's Filmy Fern)	Cumberland Acidic Cliff and Rockhouse				Pref		
Plant	Hymenophyllum tayloriae (Taylor's Filmy Fern)	Southern Appalachian Spray Cliff						Suit

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Plant	Hymenophyllum tayloriae (Taylor's Filmy Fern)	Southern Appalachian Montane Cliff and Talus						Suit
Plant	Hypericum adpressum (Creeping St. John's-wort)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit		
Plant	Hypericum adpressum (Creeping St. John's-wort)	South-Central Interior Small Stream and Riparian			Suit	Suit		
Plant	Hypericum adpressum (Creeping St. John's-wort)	South-Central Interior Large Floodplain			Suit	Suit		
Plant	Hypericum adpressum (Creeping St. John's-wort)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	Hypericum adpressum (Creeping St. John's-wort)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	Hypericum adpressum (Creeping St. John's-wort)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	Hypericum ellipticum (Pale St. John's-wort)	Southern and Central Appalachian Bog and Fen						Pref
Plant	Hypericum graveolens (Mountain St. John's-wort)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	Hypericum graveolens (Mountain St. John's-wort)	Southern and Central Appalachian Bog and Fen						Suit
Plant	Hypericum graveolens (Mountain St. John's-wort)	Southern Appalachian Seepage Wetland						Suit
Plant	Hypericum mitchellianum (Blue Ridge St. John's-wort)	Southern Appalachian Grass and Shrub Bald						Pref
Plant	Iris brevicaulis (Lamance Iris)	South-Central Interior Small Stream and Riparian		Suit	Suit			
Plant	Iris brevicaulis (Lamance Iris)	South-Central Interior Large Floodplain			Marg			
Plant	Iris fulva (Copper Iris)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Plant	Iris fulva (Copper Iris)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Plant	Iris fulva (Copper Iris)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	Iris fulva (Copper Iris)	Mississippi River Bottomland Depression	Suit					
Plant	Iris prismatica (Slender Blue Flag)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	Isoetes melanopoda (Blackfoot Quillwort)	South-Central Interior Small Stream and Riparian		Pref	Pref			
Plant	Isoetes tennesseensis (Hiwassee Quillwort)	South-Central Interior Small Stream and Riparian					Pref	Pref
Plant	Isoetes tennesseensis (Hiwassee Quillwort)	South-Central Interior Large Floodplain					Suit	Suit
Plant	Isotria medeoloides (Small Whorled Pogonia)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		Suit
Plant	Isotria medeoloides (Small Whorled Pogonia)	South-Central Interior Mesophytic Forest				Suit		
Plant	Isotria medeoloides (Small Whorled Pogonia)	Southern and Central Appalachian Cove Forest				Suit		
Plant	Isotria medeoloides (Small Whorled Pogonia)	Southern Appalachian Oak Forest						Suit
Plant	Isotria medeoloides (Small Whorled Pogonia)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Isotria medeoloides (Small Whorled Pogonia)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		Suit
Plant	Juglans cinerea (Butternut)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Plant	Juglans cinerea (Butternut)	South-Central Interior Mesophytic Forest		Marg	Pref	Pref	Pref	
Plant	Juglans cinerea (Butternut)	Southern and Central Appalachian Cove Forest				Pref	Pref	Pref
Plant	Juglans cinerea (Butternut)	South-Central Interior Small Stream and Riparian		Marg	Suit	Suit	Suit	Suit
Plant	Juncus brachycephalus (Small-headed Rush)	Interior Low Plateau Seepage Fen			Pref			
Plant	Juncus brachycephalus (Small-headed Rush)	South-Central Interior Small Stream and Riparian			Suit		Suit	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	<i>Juncus trifidus</i> (Highland Rush)	Southern Appalachian Rocky Summit						Pref
Plant	<i>Jungermannia fossombronioides</i> ((a liverwort))	Cumberland Riverscour				Marg		
Plant	<i>Jungermannia fossombronioides</i> ((a liverwort))	South-Central Interior Small Stream and Riparian				Pref		Pref
Plant	<i>Jungermannia fossombronioides</i> ((a liverwort))	Southern Appalachian Spray Cliff				Suit		Suit
Plant	<i>Jungermannia pyriflora</i> ((a liverwort))	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Jungermannia pyriflora</i> ((a liverwort))	South-Central Interior Small Stream and Riparian						Suit
Plant	<i>Krigia montana</i> (False Dandelion)	Southern Appalachian Rocky Summit						Pref
Plant	<i>Lachnanthes carolina</i> (Carolina Redroot)	Eastern Highland Rim Prairie and Barrens				Marg		
Plant	<i>Lachnanthes carolina</i> (Carolina Redroot)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Pref		
Plant	<i>Lachnocaulon anceps</i> (Bog-buttons)	Cumberland Wet-Mesic Meadow and Savanna					Marg	
Plant	<i>Lachnocaulon anceps</i> (Bog-buttons)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond					Pref	
Plant	<i>Lathyrus palustris</i> (Marsh Pea)	Eastern Highland Rim Prairie and Barrens				Suit		
Plant	<i>Lathyrus palustris</i> (Marsh Pea)	South-Central Interior Small Stream and Riparian				Pref	Pref	Pref
Plant	<i>Leavenworthia exigua</i> var. <i>exigua</i> (Glade-cress)	Central Interior Highlands Calcareous Glade and Barrens			Suit	Suit	Suit	Suit
Plant	<i>Leavenworthia exigua</i> var. <i>exigua</i> (Glade-cress)	Nashville Basin Limestone Glade and Woodland				Pref		
Plant	<i>Leavenworthia exigua</i> var. <i>exigua</i> (Glade-cress)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland						Suit
Plant	<i>Leavenworthia exigua</i> var. <i>lutea</i> (Pasture Glade-cress)	Nashville Basin Limestone Glade and Woodland				Pref		
Plant	<i>Lechea pulchella</i> (Leggett's Pinweed)	Eastern Highland Rim Prairie and Barrens				Pref		
Plant	<i>Lejeunea blomquistii</i> (Blomquist Leafy Liverwort)	South-Central Interior Small Stream and Riparian					Suit	Pref
Plant	<i>Lejeunea blomquistii</i> (Blomquist Leafy Liverwort)	Southern Appalachian Spray Cliff					Suit	Suit
Plant	<i>Lejeunea blomquistii</i> (Blomquist Leafy Liverwort)	Southern Appalachian Montane Cliff and Talus					Suit	Suit
Plant	<i>Lejeunea sharpii</i> (Sharp's Lejeunea)	South-Central Interior Small Stream and Riparian				Suit	Suit	Suit
Plant	<i>Lejeunea sharpii</i> (Sharp's Lejeunea)	Central Interior Calcareous Cliff and Talus				Marg		
Plant	<i>Lejeunea sharpii</i> (Sharp's Lejeunea)	Southern Interior Calcareous Cliff					Suit	Suit
Plant	<i>Lejeunea sharpii</i> (Sharp's Lejeunea)	Southern Interior Sinkhole Wall				Pref	Suit	Suit
Plant	<i>Leptodontium viticulosoides</i> var. <i>sulphureum</i> (Grandfather Mountain Leptodontium)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Plant	<i>Leptohymenium sharpii</i> (Mount Leconte Moss)	Southern Appalachian Seepage Wetland						Pref
Plant	<i>Leptohymenium sharpii</i> (Mount Leconte Moss)	South-Central Interior Small Stream and Riparian						Marg
Plant	<i>Leptohymenium sharpii</i> (Mount Leconte Moss)	Southern Appalachian Spray Cliff						Suit
Plant	<i>Leptoscyphus cuneifolius</i> ((a liverwort))	Central and Southern Appalachian Spruce-Fir Forest						Pref
Plant	<i>Lespedeza angustifolia</i> (Narrowleaf Bushclover)	Eastern Highland Rim Prairie and Barrens				Pref		
Plant	<i>Leucothoe racemosa</i> (Fetter-bush)	Cumberland Riverscour					Pref	
Plant	<i>Leucothoe racemosa</i> (Fetter-bush)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond					Marg	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	<i>Leucothoe racemosa</i> (Fetter-bush)	South-Central Interior Large Floodplain					Marg	
Plant	<i>Liatris cylindracea</i> (Slender Blazing-star)	Central Interior Highlands Calcareous Glade and Barrens			Suit	Suit	Suit	
Plant	<i>Liatris cylindracea</i> (Slender Blazing-star)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	<i>Liatris cylindracea</i> (Slender Blazing-star)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Plant	<i>Liatris cylindracea</i> (Slender Blazing-star)	Western Highland Rim Prairie and Barrens			Suit			
Plant	<i>Liatris cylindracea</i> (Slender Blazing-star)	Southern Ridge and Valley Patch Prairie					Marg	
Plant	<i>Liatris pilosa</i> (Shaggy Blazing Star)	Cumberland Riverscour				Pref		
Plant	<i>Lilium canadense</i> (Canada Lily)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Plant	<i>Lilium canadense</i> (Canada Lily)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Plant	<i>Lilium canadense</i> (Canada Lily)	Southern Appalachian Oak Forest					Marg	Marg
Plant	<i>Lilium canadense</i> (Canada Lily)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Lilium canadense</i> (Canada Lily)	South-Central Interior Small Stream and Riparian		Pref	Pref	Pref	Pref	Pref
Plant	<i>Lilium canadense</i> (Canada Lily)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	<i>Lilium grayi</i> (Gray's Lily)	Southern Appalachian Grass and Shrub Bald						Pref
Plant	<i>Lilium grayi</i> (Gray's Lily)	Southern and Central Appalachian Bog and Fen						Suit
Plant	<i>Lilium grayi</i> (Gray's Lily)	Southern Appalachian Seepage Wetland						Suit
Plant	<i>Lilium michiganense</i> (Michigan Lily)	South-Central Interior Mesophytic Forest		Suit	Pref	Suit	Suit	
Plant	<i>Lilium michiganense</i> (Michigan Lily)	Southern and Central Appalachian Cove Forest				Suit	Suit	
Plant	<i>Lilium michiganense</i> (Michigan Lily)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	<i>Lilium michiganense</i> (Michigan Lily)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	<i>Lilium michiganense</i> (Michigan Lily)	Cumberland Seepage Forest				Suit		
Plant	<i>Lilium michiganense</i> (Michigan Lily)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Plant	<i>Lilium michiganense</i> (Michigan Lily)	Interior Low Plateau Seepage Fen			Suit			
Plant	<i>Lilium michiganense</i> (Michigan Lily)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	
Plant	<i>Lilium philadelphicum</i> (Wood Lily)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Plant	<i>Lilium philadelphicum</i> (Wood Lily)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Plant	<i>Lilium philadelphicum</i> (Wood Lily)	Southern Appalachian Oak Forest					Suit	
Plant	<i>Lilium philadelphicum</i> (Wood Lily)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	<i>Linnaea borealis</i> (Twinflower)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Linnaea borealis</i> (Twinflower)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Plant	<i>Liparis loeselii</i> (Fen Orchid)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Plant	<i>Liparis loeselii</i> (Fen Orchid)	Interior Low Plateau Seepage Fen			Pref			
Plant	<i>Liparis loeselii</i> (Fen Orchid)	South-Central Interior Small Stream and Riparian			Suit	Suit	Suit	Suit
Plant	<i>Liparis loeselii</i> (Fen Orchid)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	<i>Liparis loeselii</i> (Fen Orchid)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Liparis loeselii</i> (Fen Orchid)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Listera australis</i> (Southern Twayblade)	Eastern Highland Rim Prairie and Barrens			Marg			
Plant	<i>Listera australis</i> (Southern Twayblade)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Plant	<i>Listera australis</i> (Southern Twayblade)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	<i>Listera australis</i> (Southern Twayblade)	Cumberland Seepage Forest				Suit		
Plant	<i>Listera australis</i> (Southern Twayblade)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Plant	<i>Lobelia amoena</i> (Southern Lobelia)	Southern Appalachian Seepage Wetland						Pref
Plant	<i>Lobelia amoena</i> (Southern Lobelia)	South-Central Interior Small Stream and Riparian						Suit
Plant	<i>Lobelia canbyi</i> (Canby's Lobelia)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Lobelia canbyi</i> (Canby's Lobelia)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	<i>Lobelia canbyi</i> (Canby's Lobelia)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Suit		
Plant	<i>Lonicera canadensis</i> (American Fly-honeysuckle)	Southern and Central Appalachian Cove Forest						Suit
Plant	<i>Lonicera canadensis</i> (American Fly-honeysuckle)	Southern Appalachian Northern Hardwood Forest						Pref
Plant	<i>Lonicera canadensis</i> (American Fly-honeysuckle)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Plant	<i>Lonicera canadensis</i> (American Fly-honeysuckle)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Plant	<i>Lonicera canadensis</i> (American Fly-honeysuckle)	Southern and Central Appalachian Bog and Fen						Suit
Plant	<i>Lonicera canadensis</i> (American Fly-honeysuckle)	Southern Appalachian Seepage Wetland						Suit
Plant	<i>Lonicera canadensis</i> (American Fly-honeysuckle)	South-Central Interior Small Stream and Riparian						Suit
Plant	<i>Lonicera dioica</i> (Mountain Honeysuckle)	Southern and Central Appalachian Cove Forest					Suit	Suit
Plant	<i>Lonicera dioica</i> (Mountain Honeysuckle)	Southern Appalachian Oak Forest					Suit	Suit
Plant	<i>Lonicera dioica</i> (Mountain Honeysuckle)	Southern Appalachian Seepage Wetland						Suit
Plant	<i>Lonicera dioica</i> (Mountain Honeysuckle)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	<i>Lonicera dioica</i> (Mountain Honeysuckle)	Southern Interior Calcareous Cliff					Suit	Suit
Plant	<i>Lonicera dioica</i> (Mountain Honeysuckle)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg		
Plant	<i>Lonicera flava</i> (Yellow Honeysuckle)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	<i>Lonicera prolifera</i> (Grape Honeysuckle)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	<i>Lonicera prolifera</i> (Grape Honeysuckle)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	<i>Lophocolea appalachiana</i> ((a liverwort))	South-Central Interior Small Stream and Riparian				Suit		Suit
Plant	<i>Lophocolea appalachiana</i> ((a liverwort))	Cumberland Acidic Cliff and Rockhouse				Suit		
Plant	<i>Lophocolea appalachiana</i> ((a liverwort))	Southern Appalachian Spray Cliff						Suit
Plant	<i>Lophocolea muricata</i> ((a liverwort))	Southern and Central Appalachian Cove Forest						Suit
Plant	<i>Ludwigia sphaerocarpa</i> (Globe-fruited False-loosestrife)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref			

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	<i>Lycopodiella alopecuroides</i> (Foxtail Clubmoss)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Lycopodiella alopecuroides</i> (Foxtail Clubmoss)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	<i>Lycopodium dendroideum</i> (Treelike Clubmoss)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Lycopodium dendroideum</i> (Treelike Clubmoss)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Plant	<i>Lycopodium dendroideum</i> (Treelike Clubmoss)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	<i>Lysimachia fraseri</i> (Fraser's Loosestrife)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Plant	<i>Lysimachia fraseri</i> (Fraser's Loosestrife)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	<i>Lysimachia fraseri</i> (Fraser's Loosestrife)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Plant	<i>Lysimachia fraseri</i> (Fraser's Loosestrife)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	Suit
Plant	<i>Lysimachia fraseri</i> (Fraser's Loosestrife)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Plant	<i>Lysimachia fraseri</i> (Fraser's Loosestrife)	Southern Appalachian Oak Forest					Suit	Suit
Plant	<i>Lysimachia fraseri</i> (Fraser's Loosestrife)	Southern Appalachian Low-Elevation Pine Forest						Suit
Plant	<i>Lysimachia fraseri</i> (Fraser's Loosestrife)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Plant	<i>Lysimachia quadriflora</i> (Four-flowered Loosestrife)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	<i>Lysimachia quadriflora</i> (Four-flowered Loosestrife)	South-Central Interior Small Stream and Riparian					Suit	
Plant	<i>Lysimachia terrestris</i> (Swamp Loosestrife)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	<i>Lysimachia terrestris</i> (Swamp Loosestrife)	Southern and Central Appalachian Bog and Fen						Pref
Plant	<i>Lysimachia terrestris</i> (Swamp Loosestrife)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Plant	<i>Lysimachia terrestris</i> (Swamp Loosestrife)	South-Central Interior Large Floodplain						Marg
Plant	<i>Lysimachia x producta</i> (Loosestrife)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	<i>Lysimachia x producta</i> (Loosestrife)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref			
Plant	<i>Magnolia virginiana</i> (Sweetbay Magnolia)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Plant	<i>Magnolia virginiana</i> (Sweetbay Magnolia)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	<i>Magnolia virginiana</i> (Sweetbay Magnolia)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Plant	<i>Magnolia virginiana</i> (Sweetbay Magnolia)	South-Central Interior Small Stream and Riparian		Suit				Suit
Plant	<i>Magnolia virginiana</i> (Sweetbay Magnolia)	South-Central Interior Large Floodplain						Suit
Plant	<i>Maianthemum stellatum</i> (Starflower False Solomon's-seal)	South-Central Interior Small Stream and Riparian			Pref		Pref	
Plant	<i>Marshallia grandiflora</i> (Large-flowered Barbara's-Buttons)	Cumberland Riverscour				Pref		
Plant	<i>Marshallia obovata</i> (Piedmont Barbara's-buttons)	Southern Appalachian Low-Elevation Pine Forest						Marg
Plant	<i>Marshallia obovata</i> (Piedmont Barbara's-buttons)	South-Central Interior Small Stream and Riparian						Marg
Plant	<i>Marshallia trinervia</i> (Broad-leaved Barbara's-buttons)	Interior Low Plateau Seepage Fen			Suit			
Plant	<i>Marshallia trinervia</i> (Broad-leaved Barbara's-buttons)	South-Central Interior Small Stream and Riparian			Pref			
Plant	<i>Marsipella funcikii</i> ((a liverwort))	Central and Southern Appalachian Spruce-Fir Forest						Suit

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Plant	Marsupella funckii ((a liverwort))	Southern Appalachian Grass and Shrub Bald						Suit
Plant	Marsupella funckii ((a liverwort))	Southern Appalachian Rocky Summit						Pref
Plant	Meehania cordata (Heartleaf Meehania)	South-Central Interior Mesophytic Forest					Suit	
Plant	Meehania cordata (Heartleaf Meehania)	Southern and Central Appalachian Cove Forest					Suit	Suit
Plant	Meehania cordata (Heartleaf Meehania)	Southern Interior Calcareous Cliff					Suit	Suit
Plant	Megaceros aenigmaticus (Megaceros)	South-Central Interior Small Stream and Riparian						Pref
Plant	Melanthium latifolium (Broadleaf Bunchflower)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	Melanthium latifolium (Broadleaf Bunchflower)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit
Plant	Melanthium latifolium (Broadleaf Bunchflower)	South-Central Interior Mesophytic Forest			Suit			
Plant	Melanthium latifolium (Broadleaf Bunchflower)	Southern and Central Appalachian Cove Forest						Suit
Plant	Melanthium latifolium (Broadleaf Bunchflower)	Southern Appalachian Oak Forest						Suit
Plant	Melanthium virginicum (Virginia Bunchflower)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Marg				
Plant	Melanthium virginicum (Virginia Bunchflower)	South-Central Interior Mesophytic Forest		Suit	Suit			
Plant	Melanthium virginicum (Virginia Bunchflower)	South-Central Interior Small Stream and Riparian		Suit	Suit			
Plant	Melanthium woodii (Ozark Bunchflower)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	Melanthium woodii (Ozark Bunchflower)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Plant	Melanthium woodii (Ozark Bunchflower)	South-Central Interior Mesophytic Forest			Suit	Suit	Suit	
Plant	Melanthium woodii (Ozark Bunchflower)	Southern and Central Appalachian Cove Forest				Suit	Suit	
Plant	Melanthium woodii (Ozark Bunchflower)	Southern Appalachian Oak Forest					Suit	
Plant	Menziesia pilosa (Minniebush)	Southern Appalachian Northern Hardwood Forest						Marg
Plant	Menziesia pilosa (Minniebush)	Central and Southern Appalachian Spruce-Fir Forest						Marg
Plant	Menziesia pilosa (Minniebush)	Southern Appalachian Grass and Shrub Bald						Pref
Plant	Metzgeria uncigera (Metzgeria)	South-Central Interior Mesophytic Forest				Suit		
Plant	Metzgeria uncigera (Metzgeria)	Southern and Central Appalachian Cove Forest				Suit		
Plant	Metzgeria uncigera (Metzgeria)	Cumberland Acidic Cliff and Rockhouse					Pref	
Plant	Microlejeunea globosa (Cardot's Lejeunea)	Cumberland Acidic Cliff and Rockhouse					Pref	
Plant	Mielichhoferia elongata ((a moss))	Southern Appalachian Montane Cliff and Talus						Pref
Plant	Mielichhoferia elongata ((a moss))	Southern Appalachian Rocky Summit						Suit
Plant	Milium effusum var. cisatlanticum (Tall Millet-grass)	Southern Appalachian Northern Hardwood Forest						Pref
Plant	Milium effusum var. cisatlanticum (Tall Millet-grass)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Plant	Minuartia cumberlandensis (Cumberland Sandwort)	Cumberland Acidic Cliff and Rockhouse					Pref	
Plant	Minuartia godfreyi (Godfrey's Stitchwort)	Southern and Central Appalachian Bog and Fen						Suit
Plant	Minuartia godfreyi (Godfrey's Stitchwort)	Interior Low Plateau Seepage Fen			Suit			
Plant	Minuartia godfreyi (Godfrey's Stitchwort)	South-Central Interior Small Stream and Riparian			Marg			Marg
Plant	Minuartia groenlandica (Mountain Sandwort)	Southern Appalachian Grass and Shrub Bald						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	<i>Minuartia groenlandica</i> (Mountain Sandwort)	Southern Appalachian Rocky Summit						Pref
Plant	<i>Mirabilis albida</i> (Pale Umbrella-wort)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	<i>Mnium carolinianum</i> (Carolina Mnium)	Southern and Central Appalachian Cove Forest						Suit
Plant	<i>Mnium carolinianum</i> (Carolina Mnium)	South-Central Interior Small Stream and Riparian						Suit
Plant	<i>Mnium carolinianum</i> (Carolina Mnium)	Southern Appalachian Montane Cliff and Talus						Marg
Plant	<i>Monotropsis odorata</i> (Sweet Pinesap)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Plant	<i>Monotropsis odorata</i> (Sweet Pinesap)	Southern Appalachian Low-Elevation Pine Forest					Pref	Pref
Plant	<i>Monotropsis odorata</i> (Sweet Pinesap)	Southern Appalachian Montane Pine Forest and Woodland					Pref	Pref
Plant	<i>Monotropsis odorata</i> (Sweet Pinesap)	Cumberland Sandstone Glade and Barrens				Suit		
Plant	<i>Muhlenbergia cuspidata</i> (Plains Muhly)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	<i>Muhlenbergia glabrifloris</i> (Hair Grass)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	<i>Muhlenbergia glabrifloris</i> (Hair Grass)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Plant	<i>Muhlenbergia glabrifloris</i> (Hair Grass)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	<i>Muhlenbergia torreyana</i> (Torrey's Dropseed)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Myriophyllum pinnatum</i> (Cutleaf Water-milfoil)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit		
Plant	<i>Myriophyllum pinnatum</i> (Cutleaf Water-milfoil)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	<i>Myurella julacea</i> ((a moss))	Southern Interior Calcareous Cliff					Pref	
Plant	<i>Nemopanthus collinus</i> (Long-stalked Holly)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Nemopanthus collinus</i> (Long-stalked Holly)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Plant	<i>Nemopanthus collinus</i> (Long-stalked Holly)	Southern and Central Appalachian Bog and Fen						Suit
Plant	<i>Nemopanthus collinus</i> (Long-stalked Holly)	Southern Appalachian Seepage Wetland						Suit
Plant	<i>Neobeckia aquatica</i> (Lake Cress)	Mississippi River Bottomland Depression	Pref					
Plant	<i>Neobeckia aquatica</i> (Lake Cress)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Plant	<i>Neobeckia aquatica</i> (Lake Cress)	South-Central Interior Large Floodplain			Suit			
Plant	<i>Nestronia umbellula</i> (Nestronia)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	<i>Nestronia umbellula</i> (Nestronia)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Plant	<i>Nevusius alabamensis</i> (Alabama Snow-wreath)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	<i>Nevusius alabamensis</i> (Alabama Snow-wreath)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Plant	<i>Nevusius alabamensis</i> (Alabama Snow-wreath)	South-Central Interior Mesophytic Forest			Suit	Suit		
Plant	<i>Oenothera macrocarpa</i> (Missouri Primrose)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	<i>Oenothera parviflora</i> (Northern Evening-primrose)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Onosmodium hispidissimum</i> (Shaggy False Gromwell)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Plant	<i>Onosmodium molle</i> ssp. <i>occidentale</i> (Western False Gromwell)	Central Interior Highlands Calcareous Glade and Barrens			Pref		Pref	

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Plant	<i>Onosmodium molle</i> ssp. <i>occidentale</i> (Western False Gromwell)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Plant	<i>Onosmodium molle</i> ssp. <i>subsetosum</i> (Smooth False Gromwell)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Plant	<i>Onosmodium molle</i> ssp. <i>subsetosum</i> (Smooth False Gromwell)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	<i>Ophioglossum crotalophoroides</i> (Bulbous Adder's-tongue)	Urban / Suburban Managed Grassland	Pref	Pref	Pref	Pref	Pref	Pref
Plant	<i>Orobanche ludoviciana</i> (Louisiana Broomrape)	Mississippi River High Floodplain (Bottomland) Forest	Suit					
Plant	<i>Orobanche ludoviciana</i> (Louisiana Broomrape)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Plant	<i>Orobanche ludoviciana</i> (Louisiana Broomrape)	Mississippi River Riparian Forest	Suit					
Plant	<i>Orobanche ludoviciana</i> (Louisiana Broomrape)	Mississippi River Bottomland Depression	Suit					
Plant	<i>Orthodontium pellucens</i> (Translucent Orthodontium)	Southern Appalachian Montane Cliff and Talus						Pref
Plant	<i>Packera plattensis</i> (Prairie Ragwort)	Central Interior Calcareous Cliff and Talus			Pref			
Plant	<i>Packera schweinitziana</i> (Schweinitz's ragwort)	Southern Appalachian Grass and Shrub Bald						Pref
Plant	<i>Palamocladium leskeoides</i> (Palamocladium Moss)	Central Interior Calcareous Cliff and Talus			Pref			
Plant	<i>Palamocladium leskeoides</i> (Palamocladium Moss)	Southern Interior Calcareous Cliff					Pref	Pref
Plant	<i>Palamocladium leskeoides</i> (Palamocladium Moss)	Southern Interior Sinkhole Wall			Suit	Suit	Suit	Suit
Plant	<i>Panax quinquefolius</i> (American Ginseng)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Plant	<i>Panax quinquefolius</i> (American Ginseng)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	<i>Panax quinquefolius</i> (American Ginseng)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Plant	<i>Panax quinquefolius</i> (American Ginseng)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Plant	<i>Panax quinquefolius</i> (American Ginseng)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Plant	<i>Panax quinquefolius</i> (American Ginseng)	East Gulf Coastal Plain Limestone Forest		Suit				
Plant	<i>Panax quinquefolius</i> (American Ginseng)	South-Central Interior Mesophytic Forest		Suit	Pref	Pref	Pref	
Plant	<i>Panax quinquefolius</i> (American Ginseng)	Southern and Central Appalachian Cove Forest				Pref	Pref	Pref
Plant	<i>Panax quinquefolius</i> (American Ginseng)	Southern Appalachian Oak Forest					Marg	Marg
Plant	<i>Panax quinquefolius</i> (American Ginseng)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Panax quinquefolius</i> (American Ginseng)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Plant	<i>Panicum hemitomon</i> (Maidencane)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref			
Plant	<i>Parnassia grandifolia</i> (Large-leaved Grass-of-parnassus)	Interior Low Plateau Seepage Fen			Pref			
Plant	<i>Parnassia grandifolia</i> (Large-leaved Grass-of-parnassus)	South-Central Interior Small Stream and Riparian			Marg			
Plant	<i>Parnassia grandifolia</i> (Large-leaved Grass-of-parnassus)	Southern Interior Calcareous Cliff					Suit	
Plant	<i>Paronychia argyrocoma</i> (Silverling)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	<i>Paronychia argyrocoma</i> (Silverling)	Cumberland Acidic Cliff and Rockhouse				Pref		
Plant	<i>Paronychia argyrocoma</i> (Silverling)	Southern Appalachian Rocky Summit						Pref

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Plant	<i>Paxistima canbyi</i> (Canby's Mountain-lover)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Plant	<i>Paxistima canbyi</i> (Canby's Mountain-lover)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	
Plant	<i>Paxistima canbyi</i> (Canby's Mountain-lover)	Southern Interior Calcareous Cliff					Pref	
Plant	<i>Paysonia densipila</i> (Duck River Bladderpod)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	<i>Paysonia densipila</i> (Duck River Bladderpod)	South-Central Interior Small Stream and Riparian			Suit			
Plant	<i>Paysonia densipila</i> (Duck River Bladderpod)	South-Central Interior Large Floodplain			Suit			
Plant	<i>Paysonia densipila</i> (Duck River Bladderpod)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Plant	<i>Paysonia densipila</i> (Duck River Bladderpod)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Paysonia perforata</i> (Spring Creek Bladderpod)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	<i>Paysonia perforata</i> (Spring Creek Bladderpod)	South-Central Interior Small Stream and Riparian			Suit			
Plant	<i>Paysonia perforata</i> (Spring Creek Bladderpod)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Plant	<i>Paysonia perforata</i> (Spring Creek Bladderpod)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Paysonia stonensis</i> (Stones River Bladderpod)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	<i>Paysonia stonensis</i> (Stones River Bladderpod)	South-Central Interior Small Stream and Riparian			Marg			
Plant	<i>Paysonia stonensis</i> (Stones River Bladderpod)	South-Central Interior Large Floodplain			Suit			
Plant	<i>Paysonia stonensis</i> (Stones River Bladderpod)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Plant	<i>Paysonia stonensis</i> (Stones River Bladderpod)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Pedicularis lanceolata</i> (Swamp Lousewort)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Pedicularis lanceolata</i> (Swamp Lousewort)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	<i>Pedicularis lanceolata</i> (Swamp Lousewort)	Southern Ridge and Valley Patch Prairie					Marg	
Plant	<i>Pedicularis lanceolata</i> (Swamp Lousewort)	South-Central Interior Small Stream and Riparian					Suit	Suit
Plant	<i>Pedicularis lanceolata</i> (Swamp Lousewort)	South-Central Interior Large Floodplain			Suit			
Plant	<i>Pellia appalachiana</i> ((a liverwort))	South-Central Interior Small Stream and Riparian		Pref	Pref	Pref	Pref	Pref
Plant	<i>Pellia appalachiana</i> ((a liverwort))	Cumberland Acidic Cliff and Rockhouse				Suit		
Plant	<i>Penstemon tubiflorus</i> (Small-flowered Beardtongue)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Plant	<i>Perideridia americana</i> (Thicket Parsley)	Central Interior Highlands Calcareous Glade and Barrens			Pref			
Plant	<i>Perideridia americana</i> (Thicket Parsley)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	<i>Phacelia ranunculacea</i> (Blue Scorpion-weed)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Plant	<i>Phacelia ranunculacea</i> (Blue Scorpion-weed)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Plant	<i>Phacelia ranunculacea</i> (Blue Scorpion-weed)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	<i>Phacelia ranunculacea</i> (Blue Scorpion-weed)	Mississippi River Bottomland Depression	Pref					
Plant	<i>Phacelia ranunculacea</i> (Blue Scorpion-weed)	South-Central Interior Small Stream and Riparian		Suit	Suit			
Plant	<i>Phacelia ranunculacea</i> (Blue Scorpion-weed)	South-Central Interior Large Floodplain			Pref			
Plant	<i>Phegopteris connectilis</i> (Northern Beechfern)	Southern Appalachian Northern Hardwood Forest						Marg

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Plant	<i>Phegopteris connectilis</i> (Northern Beechfern)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Plant	<i>Phegopteris connectilis</i> (Northern Beechfern)	Appalachian (Hemlock)-Northern Hardwood Forest						Marg
Plant	<i>Phegopteris connectilis</i> (Northern Beechfern)	Southern Appalachian Spray Cliff						Pref
Plant	<i>Phegopteris connectilis</i> (Northern Beechfern)	Southern Appalachian Rocky Summit						Suit
Plant	<i>Phemeranthus calcaricus</i> (Limestone Fame-flower)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	<i>Phemeranthus mengesii</i> (Menge's Fame-flower)	Cumberland Sandstone Glade and Barrens				Pref		
Plant	<i>Phemeranthus teretifolius</i> (Roundleaf Fameflower)	Cumberland Sandstone Glade and Barrens				Pref		
Plant	<i>Phlox bifida</i> ssp. <i>stellaria</i> (Glade Cleft Phlox)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	<i>Phlox pilosa</i> ssp. <i>ozarkana</i> (Ozark Downy Phlox)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	<i>Phlox pilosa</i> ssp. <i>ozarkana</i> (Ozark Downy Phlox)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	<i>Phlox subulata</i> (Moss Phlox)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Marg	
Plant	<i>Phlox subulata</i> (Moss Phlox)	Southern Interior Calcareous Cliff					Pref	
Plant	<i>Physaria globosa</i> (Short's Bladderpod)	Central Interior Calcareous Cliff and Talus			Pref			
Plant	<i>Pieris floribunda</i> (Mountain Fetter-bush)	Southern Appalachian Montane Pine Forest and Woodland					Suit	Suit
Plant	<i>Pieris floribunda</i> (Mountain Fetter-bush)	Southern Appalachian Grass and Shrub Bald						Pref
Plant	<i>Pilularia americana</i> (American Pillwort)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Plant	<i>Pilularia americana</i> (American Pillwort)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Plant	<i>Pilularia americana</i> (American Pillwort)	Converted Wetland (Lacustrine)	Pref	Pref	Pref	Pref	Pref	Pref
Plant	<i>Pityopsis ruthii</i> (Ruth's Golden-aster)	South-Central Interior Small Stream and Riparian						Pref
Plant	<i>Plagiochila exigua</i> ((a liverwort))	Central and Southern Appalachian Spruce-Fir Forest						Pref
Plant	<i>Plagiochila punctata</i> (Spotty featherwort)	Cumberland Acidic Cliff and Rockhouse				Pref		
Plant	<i>Plantago cordata</i> (Heart-leaved Plantain)	South-Central Interior Small Stream and Riparian		Pref	Pref	Pref		
Plant	<i>Platanthera flava</i> var. <i>herbiola</i> (Tuberclad Rein-orchid)	Southern Appalachian Seepage Wetland						Marg
Plant	<i>Platanthera flava</i> var. <i>herbiola</i> (Tuberclad Rein-orchid)	South-Central Interior Small Stream and Riparian				Pref	Pref	Pref
Plant	<i>Platanthera grandiflora</i> (Large Purple Fringed Orchid)	Southern Appalachian Seepage Wetland						Suit
Plant	<i>Platanthera grandiflora</i> (Large Purple Fringed Orchid)	South-Central Interior Small Stream and Riparian						Suit
Plant	<i>Platanthera integra</i> (Yellow Fringeless Orchid)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Platanthera integra</i> (Yellow Fringeless Orchid)	Cumberland Wet-Mesic Meadow and Savanna				Pref		
Plant	<i>Platanthera integrilabia</i> (White Fringeless Orchid)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	<i>Platanthera integrilabia</i> (White Fringeless Orchid)	Cumberland Seepage Forest				Pref		
Plant	<i>Platanthera integrilabia</i> (White Fringeless Orchid)	Southern and Central Appalachian Bog and Fen						Suit
Plant	<i>Platanthera nivea</i> (Snowy Orchid)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Platanthera orbiculata</i> (Large Round-leaved Orchid)	Southern and Central Appalachian Cove Forest				Suit	Suit	Pref
Plant	<i>Platanthera orbiculata</i> (Large Round-leaved Orchid)	Southern Appalachian Oak Forest						Suit
Plant	<i>Platanthera orbiculata</i> (Large Round-leaved Orchid)	Cumberland Seepage Forest				Marg		

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Plant	Platanthera psycodes (Small Purple Fringed Orchid)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Platanthera psycodes (Small Purple Fringed Orchid)	Southern and Central Appalachian Bog and Fen						Suit
Plant	Platanthera psycodes (Small Purple Fringed Orchid)	Southern Appalachian Seepage Wetland						Suit
Plant	Poa palustris (Fowl Bluegrass)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	Poa palustris (Fowl Bluegrass)	Southern and Central Appalachian Bog and Fen						Suit
Plant	Poa palustris (Fowl Bluegrass)	Southern Appalachian Seepage Wetland						Suit
Plant	Poa palustris (Fowl Bluegrass)	South-Central Interior Small Stream and Riparian						Suit
Plant	Poa saltuensis (Drooping Bluegrass)	Southern Appalachian Oak Forest						Suit
Plant	Poa saltuensis (Drooping Bluegrass)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Poa saltuensis (Drooping Bluegrass)	Cumberland Riverscour				Suit		
Plant	Poa saltuensis (Drooping Bluegrass)	South-Central Interior Small Stream and Riparian				Suit		Suit
Plant	Pogonia ophioglossoides (Rose Pogonia)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Pogonia ophioglossoides (Rose Pogonia)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	Pogonia ophioglossoides (Rose Pogonia)	Southern and Central Appalachian Bog and Fen						Suit
Plant	Pogonia ophioglossoides (Rose Pogonia)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit		
Plant	Pogonia ophioglossoides (Rose Pogonia)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	Polygala boykinii (Boykin's Milkwort)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	Polygala mariana (Maryland Milkwort)	Southern Appalachian Low-Elevation Pine Forest					Suit	
Plant	Polygala mariana (Maryland Milkwort)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit			
Plant	Polygala mariana (Maryland Milkwort)	Western Highland Rim Prairie and Barrens			Suit			
Plant	Polygala mariana (Maryland Milkwort)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Polygala mariana (Maryland Milkwort)	South-Central Interior Small Stream and Riparian		Suit				
Plant	Polygala nana (Dwarf Milkwort)	Cumberland Sandstone Glade and Barrens				Suit		
Plant	Polygala nana (Dwarf Milkwort)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	Polygala nuttallii (Nuttall's Milkwort)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	Polygonella americana (Southern Jointweed)	Cumberland Riverscour				Pref		
Plant	Polygonum arifolium (Halberd-leaf Tearthumb)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	Polygonum arifolium (Halberd-leaf Tearthumb)	South-Central Interior Small Stream and Riparian		Suit				Suit
Plant	Polygonum arifolium (Halberd-leaf Tearthumb)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	Polygonum cilinode (Fringed Black Bindweed)	Southern Appalachian Oak Forest						Suit
Plant	Polygonum cilinode (Fringed Black Bindweed)	Southern Appalachian Grass and Shrub Bald						Pref
Plant	Polygonum cilinode (Fringed Black Bindweed)	Southern Appalachian Rocky Summit						Suit
Plant	Polytaenia nuttallii (Prairie Parsley)	Central Interior Highlands Calcareous Glade and Barrens			Pref			
Plant	Polytaenia nuttallii (Prairie Parsley)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				

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Plant	<i>Ponthieva racemosa</i> (Shadow-witch)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Plant	<i>Porella gracillima</i> (Hot Porella)	Southern Interior Calcareous Cliff						Suit
Plant	<i>Porella gracillima</i> (Hot Porella)	Southern Interior Sinkhole Wall						Pref
Plant	<i>Porella wataugensis</i> (Watauga Porella)	Southern Appalachian Spray Cliff						Suit
Plant	<i>Porella wataugensis</i> (Watauga Porella)	Southern Appalachian Montane Cliff and Talus						Pref
Plant	<i>Potamogeton amplifolius</i> (Large-leaf Pondweed)	South-Central Interior Small Stream and Riparian			Pref	Pref	Pref	Pref
Plant	<i>Potamogeton amplifolius</i> (Large-leaf Pondweed)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Potamogeton epihydrus</i> (Nuttall's Pondweed)	South-Central Interior Small Stream and Riparian				Pref	Pref	Pref
Plant	<i>Potamogeton epihydrus</i> (Nuttall's Pondweed)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	<i>Potamogeton tennesseensis</i> (Tennessee Pondweed)	South-Central Interior Small Stream and Riparian				Pref		Pref
Plant	<i>Potamogeton tennesseensis</i> (Tennessee Pondweed)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	<i>Potentilla tridentata</i> (Three-toothed Cinquefoil)	Southern Appalachian Grass and Shrub Bald						Pref
Plant	<i>Potentilla tridentata</i> (Three-toothed Cinquefoil)	Southern Appalachian Rocky Summit						Suit
Plant	<i>Preissia quadrata</i> (Narrow Mushroom-headed Liverwort)	Southern Interior Calcareous Cliff					Pref	
Plant	<i>Prenanthes aspera</i> (Rough Rattlesnake-root)	Western Highland Rim Prairie and Barrens			Suit			
Plant	<i>Prenanthes aspera</i> (Rough Rattlesnake-root)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	<i>Prenanthes aspera</i> (Rough Rattlesnake-root)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Plant	<i>Prenanthes barbata</i> (Bearded Rattlesnake-root)	Central Interior Highlands Calcareous Glade and Barrens			Suit			
Plant	<i>Prenanthes barbata</i> (Bearded Rattlesnake-root)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Plant	<i>Prenanthes barbata</i> (Bearded Rattlesnake-root)	Western Highland Rim Prairie and Barrens			Suit			
Plant	<i>Prenanthes crepidinea</i> (Nodding Rattlesnake-root)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Plant	<i>Prenanthes crepidinea</i> (Nodding Rattlesnake-root)	South-Central Interior Mesophytic Forest			Suit			
Plant	<i>Prenanthes crepidinea</i> (Nodding Rattlesnake-root)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Plant	<i>Prunus pumila</i> (Sand Cherry)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	<i>Prunus pumila</i> (Sand Cherry)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref			
Plant	<i>Prunus virginiana</i> (Choke Cherry)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Plant	<i>Prunus virginiana</i> (Choke Cherry)	Southern and Central Appalachian Cove Forest						Suit
Plant	<i>Prunus virginiana</i> (Choke Cherry)	Southern Appalachian Oak Forest						Suit
Plant	<i>Prunus virginiana</i> (Choke Cherry)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Prunus virginiana</i> (Choke Cherry)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	<i>Pseudognaphalium helleri</i> (Heller's Catfoot)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	<i>Pseudognaphalium helleri</i> (Heller's Catfoot)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	
Plant	<i>Pseudognaphalium helleri</i> (Heller's Catfoot)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	<i>Pycnanthemum beadlei</i> (Beadle's Mountain Mint)	Southern Appalachian Montane Cliff and Talus						Suit
Plant	<i>Pycnanthemum torrei</i> (Torrey's Mountain-mint)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	<i>Pycnanthemum torrei</i> (Torrey's Mountain-mint)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Plant	<i>Pycnanthemum torrei</i> (Torrey's Mountain-mint)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	<i>Pyrola americana</i> (American Wintergreen)	Southern Appalachian Oak Forest					Pref	Pref
Plant	<i>Quercus margarettiae</i> (Sand Post Oak)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Plant	<i>Quercus margarettiae</i> (Sand Post Oak)	Central Interior Highlands Dry Acidic Glade and Barrens		Pref				
Plant	<i>Radula voluta</i> ((a liverwort))	Cumberland Riverscour				Suit		
Plant	<i>Radula voluta</i> ((a liverwort))	Central Interior Calcareous Cliff and Talus			Suit			
Plant	<i>Radula voluta</i> ((a liverwort))	Cumberland Acidic Cliff and Rockhouse				Suit		
Plant	<i>Radula voluta</i> ((a liverwort))	Southern Appalachian Montane Cliff and Talus				Suit		
Plant	<i>Radula voluta</i> ((a liverwort))	Southern Interior Calcareous Cliff						Suit
Plant	<i>Radula voluta</i> ((a liverwort))	Southern Interior Sinkhole Wall			Suit	Suit		Suit
Plant	<i>Ranunculus aquatilis</i> var. <i>diffusus</i> (White Water-buttercup)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Plant	<i>Ranunculus aquatilis</i> var. <i>diffusus</i> (White Water-buttercup)	South-Central Interior Large Floodplain			Suit			
Plant	<i>Ranunculus aquatilis</i> var. <i>diffusus</i> (White Water-buttercup)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	<i>Ranunculus flabellaris</i> (Yellow Water-crowfoot)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Plant	<i>Ranunculus flabellaris</i> (Yellow Water-crowfoot)	Mississippi River Bottomland Depression	Pref					
Plant	<i>Ranunculus flabellaris</i> (Yellow Water-crowfoot)	South-Central Interior Large Floodplain			Suit		Suit	
Plant	<i>Rhachithecium perpusillum</i> (Budding Tortula)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Plant	<i>Rhamnus alnifolia</i> (Alderleaf Buckthorn)	Southern Interior Calcareous Cliff					Pref	
Plant	<i>Rhynchospora alba</i> (White Beakrush)	Southern and Central Appalachian Bog and Fen						Pref
Plant	<i>Rhynchospora caduca</i> (Falling Beaked-rush)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Rhynchospora caduca</i> (Falling Beaked-rush)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	<i>Rhynchospora capillacea</i> (Horned Beakrush)	South-Central Interior Small Stream and Riparian					Suit	
Plant	<i>Rhynchospora chalarocephala</i> (Loose-headed Beakrush)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Rhynchospora latifolia</i> (Giant White-top Sedge)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	<i>Rhynchospora perplexa</i> (Obscure Beak-rush)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Rhynchospora perplexa</i> (Obscure Beak-rush)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	<i>Rhynchospora perplexa</i> (Obscure Beak-rush)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit		
Plant	<i>Rhynchospora rariflora</i> (Few-flowered Beak-rush)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	<i>Rhynchospora rariflora</i> (Few-flowered Beak-rush)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	<i>Rhynchospora rariflora</i> (Few-flowered Beak-rush)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref	Suit		
Plant	<i>Rhynchospora wrightiana</i> (Wright's Beak-rush)	Cumberland Seepage Forest				Marg		
Plant	<i>Rhynchospora wrightiana</i> (Wright's Beak-rush)	Central Interior Highlands and Appalachian Sinkhole and				Suit		

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
		Depression Pond						
Plant	<i>Ribes curvatum</i> (Granite Gooseberry)	Cumberland Sandstone Glade and Barrens				Pref		
Plant	<i>Ribes odoratum</i> (Buffalo Currant)	Central Interior Calcareous Cliff and Talus			Pref			
Plant	<i>Rudbeckia subtomentosa</i> (Sweet Coneflower)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Plant	<i>Ruellia purshiana</i> (Pursh's Wild-petunia)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Plant	<i>Ruellia purshiana</i> (Pursh's Wild-petunia)	Southern Interior Calcareous Cliff					Pref	
Plant	<i>Rugelia nudicaulis</i> (Rugel's Ragwort)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Rugelia nudicaulis</i> (Rugel's Ragwort)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Plant	<i>Sabatia capitata</i> (Cumberland Rose Gentian)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Plant	<i>Sabatia capitata</i> (Cumberland Rose Gentian)	Cumberland Sandstone Glade and Barrens				Suit		
Plant	<i>Sabatia capitata</i> (Cumberland Rose Gentian)	Cumberland Riverscour				Marg		
Plant	<i>Sabatia capitata</i> (Cumberland Rose Gentian)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Sacciolepis striata</i> (Gibbous Panic-grass)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	<i>Sacciolepis striata</i> (Gibbous Panic-grass)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Plant	<i>Sacciolepis striata</i> (Gibbous Panic-grass)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Plant	<i>Sacciolepis striata</i> (Gibbous Panic-grass)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Sagittaria brevirostra</i> (Short-beaked Arrowhead)	South-Central Interior Large Floodplain			Pref			
Plant	<i>Sagittaria graminea</i> (Grassleaf Arrowhead)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref	Pref		
Plant	<i>Sagittaria platyphylla</i> (Ovate-leaved Arrowhead)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Plant	<i>Sagittaria platyphylla</i> (Ovate-leaved Arrowhead)	Mississippi River Bottomland Depression	Pref					
Plant	<i>Sagittaria platyphylla</i> (Ovate-leaved Arrowhead)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Plant	<i>Sagittaria platyphylla</i> (Ovate-leaved Arrowhead)	South-Central Interior Large Floodplain			Pref	Pref	Pref	Pref
Plant	<i>Sagittaria platyphylla</i> (Ovate-leaved Arrowhead)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Sagittaria rigida</i> (Sessile-fruited Arrowhead)	South-Central Interior Large Floodplain			Suit			
Plant	<i>Salvia azurea</i> var. <i>grandiflora</i> (Blue Sage)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Pref			
Plant	<i>Salvia azurea</i> var. <i>grandiflora</i> (Blue Sage)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Marg				
Plant	<i>Sanguisorba canadensis</i> (Canada Burnet)	Southern and Central Appalachian Bog and Fen						Pref
Plant	<i>Sanguisorba canadensis</i> (Canada Burnet)	Southern Appalachian Seepage Wetland						Suit
Plant	<i>Sarracenia oreophila</i> (Green Pitcher Plant)	Cumberland Seepage Forest				Marg		
Plant	<i>Sarracenia oreophila</i> (Green Pitcher Plant)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Suit		
Plant	<i>Saxifraga caroliniana</i> (Carolina Saxifrage)	Southern Appalachian Spray Cliff						Suit
Plant	<i>Saxifraga caroliniana</i> (Carolina Saxifrage)	Southern Appalachian Montane Cliff and Talus						Pref
Plant	<i>Saxifraga pensylvanica</i> (Swamp Saxifrage)	Southern and Central Appalachian Bog and Fen						Pref

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	Schisandra glabra (Red Starvine)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Pref				
Plant	Schisandra glabra (Red Starvine)	South-Central Interior Mesophytic Forest					Suit	
Plant	Schoenolirion croceum (Yellow Sunnysbell)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	Schoenoplectus subterminalis (Water Bulrush)	South-Central Interior Small Stream and Riparian				Suit		
Plant	Schwalbea americana (Chaffseed)	Eastern Highland Rim Prairie and Barrens			Marg			
Plant	Scleria verticillata (Low Nutrush)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	Scleria verticillata (Low Nutrush)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Scopelophila cataractae (Agoyan Cataract Moss)	Cumberland Acidic Cliff and Rockhouse				Pref		
Plant	Scutellaria arguta (Hairy Skullcap)	Southern Appalachian Northern Hardwood Forest						Pref
Plant	Scutellaria montana (Large-flowered Skullcap)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Plant	Scutellaria montana (Large-flowered Skullcap)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Plant	Scutellaria montana (Large-flowered Skullcap)	South-Central Interior Mesophytic Forest				Suit	Suit	
Plant	Scutellaria montana (Large-flowered Skullcap)	Southern Appalachian Low-Elevation Pine Forest				Marg	Marg	
Plant	Scutellaria saxatilis (Rock Skullcap)	South-Central Interior Mesophytic Forest				Marg	Marg	
Plant	Scutellaria saxatilis (Rock Skullcap)	Southern and Central Appalachian Cove Forest				Marg	Marg	Pref
Plant	Scutellaria saxatilis (Rock Skullcap)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Scutellaria saxatilis (Rock Skullcap)	Southern Appalachian Seepage Wetland						Suit
Plant	Sedum nevii (Nevius' Stonecrop)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Plant	Sedum nevii (Nevius' Stonecrop)	Southern Interior Calcareous Cliff						Suit
Plant	Silene caroliniana ssp. pennsylvanica (Carolina Pink)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Plant	Silene caroliniana ssp. pennsylvanica (Carolina Pink)	Central Interior Highlands Calcareous Glade and Barrens					Marg	
Plant	Silene caroliniana ssp. pennsylvanica (Carolina Pink)	Central Appalachian Alkaline Glade and Woodland					Suit	
Plant	Silene caroliniana ssp. pennsylvanica (Carolina Pink)	Southern Interior Calcareous Cliff					Suit	
Plant	Silene ovata (Ovate Catchfly)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Plant	Silene ovata (Ovate Catchfly)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Plant	Silene ovata (Ovate Catchfly)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	Silene ovata (Ovate Catchfly)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Plant	Silene ovata (Ovate Catchfly)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Plant	Silene ovata (Ovate Catchfly)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Plant	Silene ovata (Ovate Catchfly)	East Gulf Coastal Plain Limestone Forest		Suit				
Plant	Silene ovata (Ovate Catchfly)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit		

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	<i>Silene ovata</i> (Ovate Catchfly)	Southern and Central Appalachian Cove Forest				Suit		Suit
Plant	<i>Silene ovata</i> (Ovate Catchfly)	Southern Appalachian Oak Forest						Suit
Plant	<i>Silene ovata</i> (Ovate Catchfly)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Silene ovata</i> (Ovate Catchfly)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Plant	<i>Silene regia</i> (Royal Catchfly)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Plant	<i>Silene regia</i> (Royal Catchfly)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Plant	<i>Silene regia</i> (Royal Catchfly)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	<i>Silphium brachiatum</i> (Cumberland Rosinweed)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Plant	<i>Silphium brachiatum</i> (Cumberland Rosinweed)	Central Interior Highlands Calcareous Glade and Barrens				Pref		
Plant	<i>Silphium laciniatum</i> (Compass Plant)	Central Interior Highlands Calcareous Glade and Barrens					Suit	
Plant	<i>Silphium laciniatum</i> (Compass Plant)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Plant	<i>Silphium laciniatum</i> (Compass Plant)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Plant	<i>Silphium laciniatum</i> (Compass Plant)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Plant	<i>Silphium laciniatum</i> (Compass Plant)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Plant	<i>Silphium laciniatum</i> (Compass Plant)	Western Highland Rim Prairie and Barrens			Suit			
Plant	<i>Silphium pinnatifidum</i> (Southern Prairie-dock)	Central Interior Highlands Calcareous Glade and Barrens			Suit	Suit	Suit	
Plant	<i>Silphium pinnatifidum</i> (Southern Prairie-dock)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	<i>Silphium pinnatifidum</i> (Southern Prairie-dock)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Plant	<i>Silphium pinnatifidum</i> (Southern Prairie-dock)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Plant	<i>Silphium pinnatifidum</i> (Southern Prairie-dock)	Western Highland Rim Prairie and Barrens			Suit			
Plant	<i>Silphium pinnatifidum</i> (Southern Prairie-dock)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	<i>Silphium pinnatifidum</i> (Southern Prairie-dock)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	<i>Silphium wasiotense</i> (Kentucky Rosinweed)	Southern Appalachian Oak Forest					Suit	
Plant	<i>Smilax laurifolia</i> (Laurel-leaf Greenbrier)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Plant	<i>Smilax laurifolia</i> (Laurel-leaf Greenbrier)	South-Central Interior Small Stream and Riparian					Suit	
Plant	<i>Solidago arenicola</i> (Southern racemose goldenrod)	Cumberland Riverscour				Pref		
Plant	<i>Solidago auriculata</i> (Eared Goldenrod)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Pref		
Plant	<i>Solidago auriculata</i> (Eared Goldenrod)	Central Interior Highlands Calcareous Glade and Barrens				Suit		
Plant	<i>Solidago gattingeri</i> (Gattinger's Goldenrod)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	<i>Solidago lancifolia</i> (Broadleaf Goldenrod)	Southern Appalachian Oak Forest						Suit
Plant	<i>Solidago lancifolia</i> (Broadleaf Goldenrod)	Southern Appalachian Northern Hardwood Forest						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	<i>Solidago ptarmicoides</i> (Prairie Goldenrod)	Central Interior Highlands Calcareous Glade and Barrens				Suit	Suit	
Plant	<i>Solidago ptarmicoides</i> (Prairie Goldenrod)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Plant	<i>Solidago ptarmicoides</i> (Prairie Goldenrod)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	<i>Solidago rupestris</i> (Rock Goldenrod)	Central Interior Calcareous Cliff and Talus			Pref			
Plant	<i>Solidago spithamea</i> (Blue Ridge Goldenrod)	Southern Appalachian Rocky Summit						Pref
Plant	<i>Solidago stricta</i> var. <i>gracillima</i> (Virginia Goldenrod)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Solidago tarda</i> (Late Goldenrod)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg		
Plant	<i>Solidago tarda</i> (Late Goldenrod)	Cumberland Sandstone Glade and Barrens				Pref		
Plant	<i>Sparganium androcladum</i> (Branching Bur-reed)	Southern and Central Appalachian Bog and Fen					Pref	Pref
Plant	<i>Sparganium androcladum</i> (Branching Bur-reed)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit		Suit	
Plant	<i>Sphenolobopsis pearsoni</i> (<i>Sphenolobopsis</i>)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Plant	<i>Spiraea alba</i> (Narrow-leaved Meadow-sweet)	Southern and Central Appalachian Bog and Fen						Suit
Plant	<i>Spiraea virginiana</i> (Virginia Spiraea)	Cumberland Riverscour				Pref		
Plant	<i>Spiraea virginiana</i> (Virginia Spiraea)	South-Central Interior Small Stream and Riparian				Pref		Pref
Plant	<i>Spiranthes lucida</i> (Shining Ladies'-tresses)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Plant	<i>Spiranthes lucida</i> (Shining Ladies'-tresses)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Plant	<i>Spiranthes lucida</i> (Shining Ladies'-tresses)	Interior Low Plateau Seepage Fen			Pref			
Plant	<i>Spiranthes lucida</i> (Shining Ladies'-tresses)	Southern Appalachian Seepage Wetland						Suit
Plant	<i>Spiranthes lucida</i> (Shining Ladies'-tresses)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Plant	<i>Spiranthes lucida</i> (Shining Ladies'-tresses)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Plant	<i>Spiranthes magnicamporum</i> (Great Plains Ladies'-tresses)	Central Interior Highlands Calcareous Glade and Barrens			Suit	Suit	Suit	
Plant	<i>Spiranthes magnicamporum</i> (Great Plains Ladies'-tresses)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Plant	<i>Spiranthes ochroleuca</i> (Yellow Nodding Ladies'-tresses)	Western Highland Rim Prairie and Barrens			Suit			
Plant	<i>Spiranthes odorata</i> (Sweetscent Ladies'-tresses)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit		Suit	
Plant	<i>Spiranthes odorata</i> (Sweetscent Ladies'-tresses)	South-Central Interior Large Floodplain			Marg		Marg	
Plant	<i>Spiranthes odorata</i> (Sweetscent Ladies'-tresses)	Converted Wetland (Lacustrine)			Marg		Marg	
Plant	<i>Spiranthes odorata</i> (Sweetscent Ladies'-tresses)	Converted Wetland (Riverine)			Marg		Marg	
Plant	<i>Spiranthes odorata</i> (Sweetscent Ladies'-tresses)	Converted Wetland (Palustrine)			Marg		Marg	
Plant	<i>Sporobolus heterolepis</i> (Northern Dropseed)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	<i>Sporobolus junceus</i> (Pinelands Dropseed)	Cumberland Riverscour				Suit		
Plant	<i>Stachys clingmanii</i> (Clingman's Hedge-nettle)	Southern and Central Appalachian Cove Forest						Pref
Plant	<i>Stachys clingmanii</i> (Clingman's Hedge-nettle)	Southern Appalachian Oak Forest						Suit
Plant	<i>Stachys clingmanii</i> (Clingman's Hedge-nettle)	Southern Appalachian Northern Hardwood Forest						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	<i>Symplocarpus foetidus</i> (Skunk-cabbage)	Southern and Central Appalachian Bog and Fen					Pref	Pref
Plant	<i>Symplocarpus foetidus</i> (Skunk-cabbage)	Southern Appalachian Seepage Wetland						Suit
Plant	<i>Symplocarpus foetidus</i> (Skunk-cabbage)	South-Central Interior Small Stream and Riparian					Suit	Suit
Plant	<i>Symplocos tinctoria</i> (Horse-sugar)	Southern Appalachian Oak Forest						Suit
Plant	<i>Symplocos tinctoria</i> (Horse-sugar)	Southern Appalachian Low-Elevation Pine Forest						Suit
Plant	<i>Symplocos tinctoria</i> (Horse-sugar)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	<i>Symplocos tinctoria</i> (Horse-sugar)	South-Central Interior Small Stream and Riparian						Marg
Plant	<i>Taxus canadensis</i> (American Yew)	South-Central Interior Mesophytic Forest				Suit		
Plant	<i>Tetradontium brownianum</i> (Little Georgia)	Cumberland Acidic Cliff and Rockhouse				Suit		
Plant	<i>Tetradontium brownianum</i> (Little Georgia)	Southern Appalachian Spray Cliff						Suit
Plant	<i>Thalictrum coriaceum</i> (Leatherleaf Meadowrue)	South-Central Interior Mesophytic Forest				Suit	Suit	
Plant	<i>Thalictrum coriaceum</i> (Leatherleaf Meadowrue)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Plant	<i>Thalictrum coriaceum</i> (Leatherleaf Meadowrue)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	<i>Thalictrum coriaceum</i> (Leatherleaf Meadowrue)	Cumberland Riverscour				Suit		
Plant	<i>Thalictrum coriaceum</i> (Leatherleaf Meadowrue)	South-Central Interior Small Stream and Riparian				Suit	Suit	Suit
Plant	<i>Thaspium pinnatifidum</i> (Cutleaf Meadow-parsnip)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Plant	<i>Thaspium pinnatifidum</i> (Cutleaf Meadow-parsnip)	Southern Interior Calcareous Cliff					Suit	Suit
Plant	<i>Thelypteris simulata</i> (Bog Fern)	Southern and Central Appalachian Bog and Fen						Suit
Plant	<i>Thelypteris simulata</i> (Bog Fern)	Southern Appalachian Seepage Wetland						Suit
Plant	<i>Thermopsis fraxinifolia</i> (Ash-leaved Bush-pea)	Southern and Central Appalachian Cove Forest					Suit	Suit
Plant	<i>Thermopsis fraxinifolia</i> (Ash-leaved Bush-pea)	Southern Appalachian Oak Forest						Suit
Plant	<i>Thermopsis mollis</i> (Allegheny Mountain golden banner)	Allegheny-Cumberland Dry Oak Forest and Woodland					Pref	
Plant	<i>Thuja occidentalis</i> (Northern White Cedar)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	<i>Thuja occidentalis</i> (Northern White Cedar)	Cumberland Acidic Cliff and Rockhouse				Marg		
Plant	<i>Thuja occidentalis</i> (Northern White Cedar)	Southern Interior Calcareous Cliff					Suit	Suit
Plant	<i>Torreyochloa pallida</i> (Pale Manna Grass)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref			
Plant	<i>Tortula ammonsiana</i> (Ammons's Tortula)	Southern Appalachian Spray Cliff						Suit
Plant	<i>Tortula ammonsiana</i> (Ammons's Tortula)	Southern Appalachian Montane Cliff and Talus						Suit
Plant	<i>Tortula fragilis</i> (Fragile Tortula)	Central Interior Calcareous Cliff and Talus			Pref			
Plant	<i>Tortula fragilis</i> (Fragile Tortula)	Southern Interior Sinkhole Wall			Suit			
Plant	<i>Triadenum fraseri</i> (Marsh St. John's-wort)	Southern and Central Appalachian Bog and Fen						Pref
Plant	<i>Triantha racemosa</i> (Coastal False-asphodel)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Triantha racemosa</i> (Coastal False-asphodel)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg			
Plant	<i>Trichomanes boschianum</i> (Bristle-fern)	South-Central Interior Mesophytic Forest			Marg			

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	Trichomanes boschianum (Bristle-fern)	South-Central Interior Small Stream and Riparian				Suit		Suit
Plant	Trichomanes boschianum (Bristle-fern)	Central Interior Acidic Cliff and Talus			Suit			
Plant	Trichomanes boschianum (Bristle-fern)	Cumberland Acidic Cliff and Rockhouse				Pref		
Plant	Trichomanes boschianum (Bristle-fern)	Southern Appalachian Montane Cliff and Talus						Suit
Plant	Trichomanes petersii (Dwarf Filmy-fern)	South-Central Interior Small Stream and Riparian				Suit		Suit
Plant	Trichomanes petersii (Dwarf Filmy-fern)	Cumberland Acidic Cliff and Rockhouse				Suit		
Plant	Trichomanes petersii (Dwarf Filmy-fern)	Southern Appalachian Montane Cliff and Talus						Pref
Plant	Trichophorum cespitosum (Tufted Club-rush)	Southern Appalachian Grass and Shrub Bald						Marg
Plant	Trichophorum cespitosum (Tufted Club-rush)	Southern Appalachian Montane Cliff and Talus						Marg
Plant	Trichophorum cespitosum (Tufted Club-rush)	Southern Appalachian Rocky Summit						Pref
Plant	Tridens flavus var. chapmanii (Chapman's Redtop)	South-Central Interior / Upper Coastal Plain Flatwoods		Pref				
Plant	Trientalis borealis (Northern Starflower)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Plant	Trientalis borealis (Northern Starflower)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Trifolium calcaricum (Running Glade Clover)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	Trifolium reflexum (Buffalo Clover)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Plant	Trifolium reflexum (Buffalo Clover)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	Trifolium reflexum (Buffalo Clover)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit
Plant	Trifolium reflexum (Buffalo Clover)	Southern Appalachian Montane Pine Forest and Woodland						Suit
Plant	Trifolium reflexum (Buffalo Clover)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Plant	Trifolium reflexum (Buffalo Clover)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit			
Plant	Trifolium reflexum (Buffalo Clover)	Southern and Central Appalachian Mafic Glade and Barrens						Suit
Plant	Trifolium reflexum (Buffalo Clover)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Plant	Trifolium reflexum (Buffalo Clover)	Western Highland Rim Prairie and Barrens			Suit			
Plant	Trillium decumbens (Trailing Trillium)	Southern and Central Appalachian Cove Forest						Suit
Plant	Trillium decumbens (Trailing Trillium)	South-Central Interior Small Stream and Riparian						Marg
Plant	Trillium lancifolium (Narrow-leaved Trillium)	South-Central Interior Mesophytic Forest				Suit	Suit	
Plant	Trillium lancifolium (Narrow-leaved Trillium)	South-Central Interior Small Stream and Riparian				Marg	Marg	
Plant	Trillium lancifolium (Narrow-leaved Trillium)	South-Central Interior Large Floodplain				Suit	Suit	
Plant	Trillium pusillum (Least Trillium)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	Trillium pusillum (Least Trillium)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Plant	Trillium pusillum (Least Trillium)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Trillium pusillum (Least Trillium)	South-Central Interior Small Stream and Riparian			Marg			
Plant	Trillium pusillum (Least Trillium)	South-Central Interior Large Floodplain			Suit			
Plant	Trillium rugelii (Southern Nodding Trillium)	South-Central Interior Mesophytic Forest					Suit	
Plant	Trillium rugelii (Southern Nodding Trillium)	Southern and Central Appalachian Cove Forest					Suit	Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	Trillium rugelii (Southern Nodding Trillium)	Southern Appalachian Oak Forest					Marg	Marg
Plant	Trillium rugelii (Southern Nodding Trillium)	Appalachian (Hemlock)-Northern Hardwood Forest					Marg	Marg
Plant	Trillium rugelii (Southern Nodding Trillium)	South-Central Interior Small Stream and Riparian					Marg	Marg
Plant	Trillium rugelii (Southern Nodding Trillium)	South-Central Interior Large Floodplain					Suit	Suit
Plant	Turritis glabra (Tower-mustard)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Pref				
Plant	Turritis glabra (Tower-mustard)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	Turritis glabra (Tower-mustard)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Plant	Turritis glabra (Tower-mustard)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit			
Plant	Turritis glabra (Tower-mustard)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit			
Plant	Turritis glabra (Tower-mustard)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	Tsuga caroliniana (Carolina Hemlock)	Southern and Central Appalachian Cove Forest						Marg
Plant	Tsuga caroliniana (Carolina Hemlock)	Southern Appalachian Oak Forest					Marg	Suit
Plant	Tsuga caroliniana (Carolina Hemlock)	Southern Appalachian Montane Pine Forest and Woodland					Suit	Pref
Plant	Ulmus crassifolia (Cedar Elm)	Mississippi River High Floodplain (Bottomland) Forest	Suit					
Plant	Ulmus crassifolia (Cedar Elm)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Plant	Ulmus crassifolia (Cedar Elm)	Mississippi River Riparian Forest	Suit					
Plant	Ulmus crassifolia (Cedar Elm)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Plant	Ulmus crassifolia (Cedar Elm)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	Ulmus crassifolia (Cedar Elm)	Mississippi River Bottomland Depression	Suit					
Plant	Utricularia cornuta (Horned Bladderwort)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Utricularia inflata (Inflated Bladderwort)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Suit		
Plant	Utricularia inflata (Inflated Bladderwort)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	Utricularia inflata (Inflated Bladderwort)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	Utricularia resupinata (Resupinate Bladderwort)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Suit	Suit	
Plant	Utricularia resupinata (Resupinate Bladderwort)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	Utricularia resupinata (Resupinate Bladderwort)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	Utricularia subulata (Zigzag Bladderwort)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Utricularia subulata (Zigzag Bladderwort)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref	Suit		
Plant	Vaccinium elliottii (Mayberry)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Vaccinium elliottii (Mayberry)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Plant	Vaccinium macrocarpon (Cranberry)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Vaccinium macrocarpon (Cranberry)	Cumberland Wet-Mesic Meadow and Savanna				Marg		

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Plant	<i>Vaccinium macrocarpon</i> (Cranberry)	Cumberland Seepage Forest				Marg		
Plant	<i>Vaccinium macrocarpon</i> (Cranberry)	Southern and Central Appalachian Bog and Fen						Pref
Plant	<i>Vaccinium macrocarpon</i> (Cranberry)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg	Marg		
Plant	<i>Veronica americana</i> (American Speedwell)	Southern and Central Appalachian Bog and Fen						Suit
Plant	<i>Veronica americana</i> (American Speedwell)	Southern Appalachian Seepage Wetland						Suit
Plant	<i>Veronica americana</i> (American Speedwell)	South-Central Interior Small Stream and Riparian						Suit
Plant	<i>Veronica catenata</i> (Sessile Water-speedwell)	South-Central Interior Small Stream and Riparian			Suit			
Plant	<i>Veronica catenata</i> (Sessile Water-speedwell)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	<i>Veronica scutellata</i> (Marsh-speedwell)	Southern and Central Appalachian Bog and Fen						Suit
Plant	<i>Veronica scutellata</i> (Marsh-speedwell)	South-Central Interior Small Stream and Riparian						Marg
Plant	<i>Veronica scutellata</i> (Marsh-speedwell)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	<i>Viburnum bracteatum</i> (Limerock Arrowwood)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Pref		
Plant	<i>Viburnum molle</i> (Softleaf Arrow-wood)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	<i>Viburnum molle</i> (Softleaf Arrow-wood)	South-Central Interior Mesophytic Forest			Suit			
Plant	<i>Viburnum molle</i> (Softleaf Arrow-wood)	Central Interior Calcareous Cliff and Talus			Pref			
Plant	<i>Viola tripartita</i> var. <i>tripartita</i> (Three-parted Violet)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Plant	<i>Viola tripartita</i> var. <i>tripartita</i> (Three-parted Violet)	South-Central Interior Mesophytic Forest				Pref	Pref	
Plant	<i>Viola tripartita</i> var. <i>tripartita</i> (Three-parted Violet)	Southern and Central Appalachian Cove Forest					Suit	
Plant	<i>Vitis rupestris</i> (Sand Grape)	South-Central Interior Small Stream and Riparian			Suit		Suit	
Plant	<i>Vitis rupestris</i> (Sand Grape)	South-Central Interior Large Floodplain			Suit		Suit	
Plant	<i>Vitis rupestris</i> (Sand Grape)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	<i>Vitis rupestris</i> (Sand Grape)	Southern Interior Calcareous Cliff					Suit	
Plant	<i>Woodsia scopulina</i> ssp. <i>appalachiana</i> (Alleghany Cliff-fern)	Southern Appalachian Montane Cliff and Talus						Pref
Plant	<i>Woodwardia virginica</i> (Virginia Chainfern)	Cumberland Wet-Mesic Meadow and Savanna				Marg		
Plant	<i>Woodwardia virginica</i> (Virginia Chainfern)	Cumberland Seepage Forest				Suit		
Plant	<i>Woodwardia virginica</i> (Virginia Chainfern)	Southern and Central Appalachian Bog and Fen						Marg
Plant	<i>Woodwardia virginica</i> (Virginia Chainfern)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Pref		
Plant	<i>Xerophyllum asphodeloides</i> (Eastern Turkeybeard)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit
Plant	<i>Xerophyllum asphodeloides</i> (Eastern Turkeybeard)	Southern Appalachian Oak Forest						Suit
Plant	<i>Xerophyllum asphodeloides</i> (Eastern Turkeybeard)	Southern Appalachian Low-Elevation Pine Forest						Suit
Plant	<i>Xerophyllum asphodeloides</i> (Eastern Turkeybeard)	Southern Appalachian Montane Pine Forest and Woodland						Pref
Plant	<i>Xyris ambigua</i> (Coastal Plain Yellow-eyed Grass)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	<i>Xyris ambigua</i> (Coastal Plain Yellow-eyed Grass)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref	Pref		
Plant	<i>Xyris fimbriata</i> (Fringed Yellow-eyed Grass)	Central Interior Highlands and Appalachian Sinkhole and			Pref			

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		Depression Pond						
Plant	<i>Xyris laxifolia</i> var. <i>iridifolia</i> (Wide-leaved Yellow-eyed Grass)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	<i>Xyris laxifolia</i> var. <i>iridifolia</i> (Wide-leaved Yellow-eyed Grass)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref			
Plant	<i>Xyris tennesseensis</i> (Tennessee Yellow-eyed Grass)	Interior Low Plateau Seepage Fen			Pref			
Plant	<i>Zanthoxylum americanum</i> (Northern Prickly-ash)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	<i>Zanthoxylum americanum</i> (Northern Prickly-ash)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Plant	<i>Zanthoxylum americanum</i> (Northern Prickly-ash)	South-Central Interior Small Stream and Riparian			Suit			
Plant	<i>Zigadenus glaucus</i> (White Camas)	Southern Interior Calcareous Cliff						Suit
Plant	<i>Zigadenus leimanthoides</i> (Death-camas)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	<i>Zigadenus leimanthoides</i> (Death-camas)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref	Suit		
Reptile	<i>Anolis carolinensis</i> (Green Anole)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Reptile	<i>Anolis carolinensis</i> (Green Anole)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Reptile	<i>Anolis carolinensis</i> (Green Anole)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Reptile	<i>Anolis carolinensis</i> (Green Anole)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Reptile	<i>Anolis carolinensis</i> (Green Anole)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Reptile	<i>Anolis carolinensis</i> (Green Anole)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Reptile	<i>Anolis carolinensis</i> (Green Anole)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Reptile	<i>Anolis carolinensis</i> (Green Anole)	East Gulf Coastal Plain Limestone Forest		Suit				
Reptile	<i>Anolis carolinensis</i> (Green Anole)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Reptile	<i>Anolis carolinensis</i> (Green Anole)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Reptile	<i>Anolis carolinensis</i> (Green Anole)	Southern Appalachian Oak Forest					Suit	Suit
Reptile	<i>Anolis carolinensis</i> (Green Anole)	Southern Appalachian Northern Hardwood Forest						Suit
Reptile	<i>Anolis carolinensis</i> (Green Anole)	Southern Appalachian Low-Elevation Pine Forest			Suit	Marg	Marg	Marg
Reptile	<i>Anolis carolinensis</i> (Green Anole)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Reptile	<i>Anolis carolinensis</i> (Green Anole)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Reptile	<i>Anolis carolinensis</i> (Green Anole)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Reptile	<i>Anolis carolinensis</i> (Green Anole)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Reptile	<i>Anolis carolinensis</i> (Green Anole)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Reptile	<i>Anolis carolinensis</i> (Green Anole)	East Gulf Coastal Plain Northern Seepage Swamp		Marg				
Reptile	<i>Anolis carolinensis</i> (Green Anole)	Cumberland Seepage Forest				Marg		
Reptile	<i>Anolis carolinensis</i> (Green Anole)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Reptile	<i>Anolis carolinensis</i> (Green Anole)	Central Interior Highlands and Appalachian Sinkhole and			Marg		Marg	

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		Depression Pond						
Reptile	Anolis carolinensis (Green Anole)	Interior Low Plateau Seepage Fen			Marg			
Reptile	Anolis carolinensis (Green Anole)	Southern Appalachian Seepage Wetland						Marg
Reptile	Anolis carolinensis (Green Anole)	South-Central Interior Small Stream and Riparian		Marg	Marg		Suit	Suit
Reptile	Anolis carolinensis (Green Anole)	South-Central Interior Large Floodplain			Marg		Suit	Suit
Reptile	Anolis carolinensis (Green Anole)	Central Interior Acidic Cliff and Talus			Suit			
Reptile	Anolis carolinensis (Green Anole)	Central Interior Calcareous Cliff and Talus			Suit			
Reptile	Anolis carolinensis (Green Anole)	Cumberland Acidic Cliff and Rockhouse				Suit	Suit	
Reptile	Anolis carolinensis (Green Anole)	Southern Appalachian Montane Cliff and Talus				Marg	Marg	Marg
Reptile	Anolis carolinensis (Green Anole)	Southern Interior Calcareous Cliff					Suit	Suit
Reptile	Anolis carolinensis (Green Anole)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit
Reptile	Anolis carolinensis (Green Anole)	Edifice / Other Man-made Structure	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Clonophis kirtlandii (Kirtlands Snake)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Reptile	Clonophis kirtlandii (Kirtlands Snake)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Reptile	Clonophis kirtlandii (Kirtlands Snake)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Reptile	Clonophis kirtlandii (Kirtlands Snake)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Marg				
Reptile	Clonophis kirtlandii (Kirtlands Snake)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
Reptile	Clonophis kirtlandii (Kirtlands Snake)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit			
Reptile	Clonophis kirtlandii (Kirtlands Snake)	Nashville Basin Limestone Glade and Woodland			Marg			
Reptile	Clonophis kirtlandii (Kirtlands Snake)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Reptile	Clonophis kirtlandii (Kirtlands Snake)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
Reptile	Clonophis kirtlandii (Kirtlands Snake)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Reptile	Clonophis kirtlandii (Kirtlands Snake)	Western Highland Rim Prairie and Barrens			Pref			
Reptile	Clonophis kirtlandii (Kirtlands Snake)	Eastern Highland Rim Prairie and Barrens			Pref			
Reptile	Clonophis kirtlandii (Kirtlands Snake)	Mississippi River High Floodplain (Bottomland) Forest	Marg					
Reptile	Clonophis kirtlandii (Kirtlands Snake)	Mississippi River Low Floodplain (Bottomland) Forest	Marg					
Reptile	Clonophis kirtlandii (Kirtlands Snake)	Mississippi River Riparian Forest	Marg					
Reptile	Clonophis kirtlandii (Kirtlands Snake)	East Gulf Coastal Plain Large River Floodplain Forest		Marg				
Reptile	Clonophis kirtlandii (Kirtlands Snake)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Marg				
Reptile	Clonophis kirtlandii (Kirtlands Snake)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Reptile	Clonophis kirtlandii (Kirtlands Snake)	Mississippi River Bottomland Depression	Suit					
Reptile	Clonophis kirtlandii (Kirtlands Snake)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Reptile	Clonophis kirtlandii (Kirtlands Snake)	Central Interior Highlands and Appalachian Sinkhole and			Marg			

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		Depression Pond						
Reptile	Clonophis kirtlandii (Kirtlands Snake)	Interior Low Plateau Seepage Fen			Marg			
Reptile	Clonophis kirtlandii (Kirtlands Snake)	South-Central Interior Small Stream and Riparian		Suit	Suit			
Reptile	Clonophis kirtlandii (Kirtlands Snake)	South-Central Interior Large Floodplain			Marg			
Reptile	Clonophis kirtlandii (Kirtlands Snake)	Old Field / Successional			Marg			
Reptile	Coluber flagellum (Coachwhip)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Reptile	Coluber flagellum (Coachwhip)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Reptile	Coluber flagellum (Coachwhip)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Reptile	Coluber flagellum (Coachwhip)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Reptile	Coluber flagellum (Coachwhip)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Reptile	Coluber flagellum (Coachwhip)	East Gulf Coastal Plain Limestone Forest		Suit				
Reptile	Coluber flagellum (Coachwhip)	South-Central Interior Mesophytic Forest		Suit				
Reptile	Coluber flagellum (Coachwhip)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Reptile	Coluber flagellum (Coachwhip)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit				
Reptile	Coluber flagellum (Coachwhip)	Central Interior Highlands Calcareous Glade and Barrens		Suit				
Reptile	Coluber flagellum (Coachwhip)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Reptile	Coluber flagellum (Coachwhip)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
Reptile	Coluber flagellum (Coachwhip)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Coluber flagellum (Coachwhip)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Coluber flagellum (Coachwhip)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Reptile	Coluber flagellum (Coachwhip)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Coluber flagellum (Coachwhip)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Coluber flagellum (Coachwhip)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Reptile	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Reptile	Crotalus horridus (Timber Rattlesnake)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Reptile	Crotalus horridus (Timber Rattlesnake)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Pref	Suit	
Reptile	Crotalus horridus (Timber Rattlesnake)	Allegheny-Cumberland Dry Oak Forest and Woodland				Pref	Suit	
Reptile	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Northern Loess Bluff Forest		Pref				
Reptile	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Reptile	Crotalus horridus (Timber Rattlesnake)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Reptile	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Limestone Forest		Suit				
Reptile	Crotalus horridus (Timber Rattlesnake)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Reptile	Crotalus horridus (Timber Rattlesnake)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Reptile	Crotalus horridus (Timber Rattlesnake)	Southern Appalachian Oak Forest					Pref	Pref
Reptile	Crotalus horridus (Timber Rattlesnake)	Southern Appalachian Northern Hardwood Forest						Suit
Reptile	Crotalus horridus (Timber Rattlesnake)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Marg	Marg
Reptile	Crotalus horridus (Timber Rattlesnake)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Reptile	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Reptile	Crotalus horridus (Timber Rattlesnake)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Reptile	Crotalus horridus (Timber Rattlesnake)	Central Interior Highlands Dry Acidic Glade and Barrens		Marg	Suit			
Reptile	Crotalus horridus (Timber Rattlesnake)	Appalachian Shale Barrens				Marg		
Reptile	Crotalus horridus (Timber Rattlesnake)	Central Interior Highlands Calcareous Glade and Barrens		Marg	Suit	Marg	Marg	
Reptile	Crotalus horridus (Timber Rattlesnake)	Nashville Basin Limestone Glade and Woodland			Suit			
Reptile	Crotalus horridus (Timber Rattlesnake)	Cumberland Sandstone Glade and Barrens				Marg		
Reptile	Crotalus horridus (Timber Rattlesnake)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Reptile	Crotalus horridus (Timber Rattlesnake)	Southern and Central Appalachian Mafic Glade and Barrens						Marg
Reptile	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Marg				
Reptile	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Marg				
Reptile	Crotalus horridus (Timber Rattlesnake)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Reptile	Crotalus horridus (Timber Rattlesnake)	Western Highland Rim Prairie and Barrens			Suit			
Reptile	Crotalus horridus (Timber Rattlesnake)	Eastern Highland Rim Prairie and Barrens			Suit			
Reptile	Crotalus horridus (Timber Rattlesnake)	Southern Ridge and Valley Patch Prairie					Marg	
Reptile	Crotalus horridus (Timber Rattlesnake)	Southern Appalachian Grass and Shrub Bald						Marg
Reptile	Crotalus horridus (Timber Rattlesnake)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Reptile	Crotalus horridus (Timber Rattlesnake)	Mississippi River Riparian Forest	Pref					
Reptile	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Reptile	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Reptile	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Northern Seepage Swamp		Marg				
Reptile	Crotalus horridus (Timber Rattlesnake)	Cumberland Seepage Forest				Marg		
Reptile	Crotalus horridus (Timber Rattlesnake)	Mississippi River Bottomland Depression	Pref					
Reptile	Crotalus horridus (Timber Rattlesnake)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Reptile	Crotalus horridus (Timber Rattlesnake)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg	Marg	Marg	
Reptile	Crotalus horridus (Timber Rattlesnake)	Southern Appalachian Seepage Wetland						Marg
Reptile	Crotalus horridus (Timber Rattlesnake)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Reptile	Crotalus horridus (Timber Rattlesnake)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Reptile	Crotalus horridus (Timber Rattlesnake)	Central Interior Acidic Cliff and Talus			Suit			
Reptile	Crotalus horridus (Timber Rattlesnake)	Central Interior Calcareous Cliff and Talus			Suit			
Reptile	Crotalus horridus (Timber Rattlesnake)	Southern Appalachian Montane Cliff and Talus				Suit	Suit	Suit
Reptile	Crotalus horridus (Timber Rattlesnake)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Crotalus horridus (Timber Rattlesnake)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Crotalus horridus (Timber Rattlesnake)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Reptile	Crotalus horridus (Timber Rattlesnake)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Crotalus horridus (Timber Rattlesnake)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Crotalus horridus (Timber Rattlesnake)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Crotalus horridus (Timber Rattlesnake)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Crotalus horridus (Timber Rattlesnake)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Crotalus horridus (Timber Rattlesnake)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Crotalus horridus (Timber Rattlesnake)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Glyptemys muhlenbergii (Bog Turtle)	Southern and Central Appalachian Bog and Fen						Pref
Reptile	Glyptemys muhlenbergii (Bog Turtle)	Southern Appalachian Seepage Wetland						Suit
Reptile	Glyptemys muhlenbergii (Bog Turtle)	South-Central Interior Small Stream and Riparian						Suit
Reptile	Glyptemys muhlenbergii (Bog Turtle)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Glyptemys muhlenbergii (Bog Turtle)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Glyptemys muhlenbergii (Bog Turtle)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Limestone Forest		Suit				
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Southern Appalachian Oak Forest					Suit	Suit
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Southern Appalachian Northern Hardwood Forest						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
		Gravel Pit)						
Reptile	Nerodia cyclopion (Mississippi Green Watersnake)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Reptile	Nerodia cyclopion (Mississippi Green Watersnake)	Mississippi River Riparian Forest	Pref					
Reptile	Nerodia cyclopion (Mississippi Green Watersnake)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Reptile	Nerodia cyclopion (Mississippi Green Watersnake)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				
Reptile	Nerodia cyclopion (Mississippi Green Watersnake)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Reptile	Nerodia cyclopion (Mississippi Green Watersnake)	Mississippi River Bottomland Depression	Pref					
Reptile	Nerodia cyclopion (Mississippi Green Watersnake)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Marg				
Reptile	Nerodia cyclopion (Mississippi Green Watersnake)	South-Central Interior Small Stream and Riparian		Pref				
Reptile	Nerodia cyclopion (Mississippi Green Watersnake)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Reptile	Nerodia cyclopion (Mississippi Green Watersnake)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Reptile	Nerodia cyclopion (Mississippi Green Watersnake)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Reptile	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Reptile	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	Mississippi River Riparian Forest	Pref					
Reptile	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Reptile	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				
Reptile	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	East Gulf Coastal Plain Northern Seepage Swamp		Marg				
Reptile	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	Mississippi River Bottomland Depression	Pref					
Reptile	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Marg				
Reptile	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	South-Central Interior Small Stream and Riparian		Pref				
Reptile	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Reptile	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Reptile	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Reptile	Nerodia erythrogaster neglecta (Copperbelly Watersnake)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg			
Reptile	Nerodia erythrogaster neglecta (Copperbelly Watersnake)	South-Central Interior Small Stream and Riparian			Pref			
Reptile	Nerodia erythrogaster neglecta (Copperbelly Watersnake)	South-Central Interior Large Floodplain			Pref			
Reptile	Nerodia erythrogaster neglecta (Copperbelly Watersnake)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Reptile	Nerodia erythrogaster neglecta (Copperbelly Watersnake)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Reptile	Nerodia erythrogaster neglecta (Copperbelly Watersnake)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Southern Ridge and Valley / Cumberland Dry Calcareous				Suit	Suit	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
		Forest						
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	East Gulf Coastal Plain Limestone Forest		Suit				
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Southern Appalachian Oak Forest					Suit	Suit
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Southern Appalachian Northern Hardwood Forest						Suit
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Appalachian (Hemlock)-Northern Hardwood Forest				Marg	Marg	Marg
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Central Interior Highlands Dry Acidic Glade and Barrens		Marg	Marg			
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Appalachian Shale Barrens				Marg	Marg	Marg
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Central Interior Highlands Calcareous Glade and Barrens		Marg	Marg	Marg	Marg	
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Nashville Basin Limestone Glade and Woodland			Marg			
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Cumberland Sandstone Glade and Barrens				Marg		
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Western Highland Rim Prairie and Barrens			Pref			
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Eastern Highland Rim Prairie and Barrens			Pref			
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Southern Ridge and Valley Patch Prairie					Pref	
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	South-Central Interior Mesophytic Forest			Suit	Suit	Suit	
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Southern and Central Appalachian Cove Forest				Marg	Marg	Marg
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Southern Appalachian Oak Forest					Suit	Suit
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Southern Appalachian Northern Hardwood Forest						Suit
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Southern Appalachian Low-Elevation Pine Forest			Suit	Pref	Pref	Pref
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Appalachian (Hemlock)-Northern Hardwood Forest				Marg	Marg	Marg
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Central Interior Highlands Dry Acidic Glade and Barrens			Marg			
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Appalachian Shale Barrens				Marg	Marg	Marg
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Central Interior Highlands Calcareous Glade and Barrens			Marg	Marg	Marg	
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Nashville Basin Limestone Glade and Woodland			Marg			
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Cumberland Sandstone Glade and Barrens				Marg		
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Southern and Central Appalachian Mafic Glade and Barrens						Marg
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Pennroyal Karst Plain Prairie and Barrens			Suit			
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Western Highland Rim Prairie and Barrens			Suit			
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Eastern Highland Rim Prairie and Barrens			Suit			
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Southern Ridge and Valley Patch Prairie					Suit	
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Forest Plantation	Suit	Suit	Suit	Suit	Suit	Suit
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Pituophis melanoleucus melanoleucus (Northern Pinesnake)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Plestiodon anthracinus (Coal Skink)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Reptile	Plestiodon anthracinus (Coal Skink)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Reptile	Plestiodon anthracinus (Coal Skink)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Reptile	Plestiodon anthracinus (Coal Skink)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Reptile	Plestiodon anthracinus (Coal Skink)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Reptile	Plestiodon anthracinus (Coal Skink)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Reptile	Plestiodon anthracinus (Coal Skink)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Reptile	Plestiodon anthracinus (Coal Skink)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
Reptile	Plestiodon anthracinus (Coal Skink)	East Gulf Coastal Plain Limestone Forest		Suit				
Reptile	Plestiodon anthracinus (Coal Skink)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Reptile	Plestiodon anthracinus (Coal Skink)	Southern and Central Appalachian Cove Forest				Suit	Marg	Suit
Reptile	Plestiodon anthracinus (Coal Skink)	Southern Appalachian Oak Forest					Marg	Marg
Reptile	Plestiodon anthracinus (Coal Skink)	Southern Appalachian Northern Hardwood Forest						Suit
Reptile	Plestiodon anthracinus (Coal Skink)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Marg	Marg
Reptile	Plestiodon anthracinus (Coal Skink)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Reptile	Plestiodon anthracinus (Coal Skink)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Reptile	Plestiodon anthracinus (Coal Skink)	Appalachian (Hemlock)-Northern Hardwood Forest				Pref	Pref	Pref
Reptile	Plestiodon anthracinus (Coal Skink)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Reptile	Plestiodon anthracinus (Coal Skink)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				
Reptile	Plestiodon anthracinus (Coal Skink)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Reptile	Plestiodon anthracinus (Coal Skink)	Cumberland Seepage Forest				Suit		
Reptile	Plestiodon anthracinus (Coal Skink)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Reptile	Plestiodon anthracinus (Coal Skink)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Reptile	Plestiodon anthracinus (Coal Skink)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Reptile	Plestiodon anthracinus (Coal Skink)	Interior Low Plateau Seepage Fen			Suit			
Reptile	Plestiodon anthracinus (Coal Skink)	South-Central Interior Small Stream and Riparian		Pref	Pref	Pref	Pref	Pref
Reptile	Plestiodon anthracinus (Coal Skink)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Reptile	Sistrurus miliarius streckeri (Western Pygmy Rattlesnake)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Reptile	Sistrurus miliarius streckeri (Western Pygmy Rattlesnake)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Reptile	Sistrurus miliarius streckeri (Western Pygmy Rattlesnake)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Reptile	Sistrurus miliarius streckeri (Western Pygmy Rattlesnake)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Reptile	Sistrurus miliarius streckeri (Western Pygmy Rattlesnake)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Reptile	Sistrurus miliarius streckeri (Western Pygmy Rattlesnake)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Reptile	Sistrurus miliarius streckeri (Western Pygmy Rattlesnake)	East Gulf Coastal Plain Limestone Forest		Suit				
Reptile	Sistrurus miliarius streckeri (Western Pygmy Rattlesnake)	South-Central Interior Mesophytic Forest		Suit	Suit			
Reptile	Sistrurus miliarius streckeri (Western Pygmy Rattlesnake)	Southern Appalachian Low-Elevation Pine Forest			Suit			
Reptile	Sistrurus miliarius streckeri (Western Pygmy Rattlesnake)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Pref				
Reptile	Sistrurus miliarius streckeri (Western Pygmy Rattlesnake)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Reptile	Sistrurus miliarius streckeri (Western Pygmy Rattlesnake)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Reptile	<i>Sistrurus miliarius streckeri</i> (Western Pygmy Rattlesnake)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Reptile	<i>Sistrurus miliarius streckeri</i> (Western Pygmy Rattlesnake)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Reptile	<i>Sistrurus miliarius streckeri</i> (Western Pygmy Rattlesnake)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Reptile	<i>Sistrurus miliarius streckeri</i> (Western Pygmy Rattlesnake)	Interior Low Plateau Seepage Fen			Marg			
Reptile	<i>Sistrurus miliarius streckeri</i> (Western Pygmy Rattlesnake)	South-Central Interior Small Stream and Riparian		Pref	Suit			
Reptile	<i>Sistrurus miliarius streckeri</i> (Western Pygmy Rattlesnake)	South-Central Interior Large Floodplain			Pref			
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	Suit
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	East Gulf Coastal Plain Limestone Forest		Suit				
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	Southern Appalachian Oak Forest					Suit	Suit
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	Southern Appalachian Northern Hardwood Forest						Suit
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	Central Interior Highlands Dry Acidic Glade and Barrens		Marg	Marg			
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	Appalachian Shale Barrens				Marg	Marg	Marg
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	Central Interior Highlands Calcareous Glade and Barrens		Marg	Marg	Marg	Marg	
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	Nashville Basin Limestone Glade and Woodland			Marg			
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	Cumberland Sandstone Glade and Barrens				Marg		
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	Central Appalachian Alkaline Glade and Woodland					Marg	
Reptile	<i>Terrapene carolina</i> (Eastern Box Turtle)	Southern and Central Appalachian Mafic Glade and Barrens						Marg

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Reptile	Terrapene carolina (Eastern Box Turtle)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Marg				
Reptile	Terrapene carolina (Eastern Box Turtle)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Marg				
Reptile	Terrapene carolina (Eastern Box Turtle)	Pennroyal Karst Plain Prairie and Barrens			Marg			
Reptile	Terrapene carolina (Eastern Box Turtle)	Western Highland Rim Prairie and Barrens			Marg			
Reptile	Terrapene carolina (Eastern Box Turtle)	Eastern Highland Rim Prairie and Barrens			Marg			
Reptile	Terrapene carolina (Eastern Box Turtle)	Cumberland Wet-Mesic Meadow and Savanna				Marg		
Reptile	Terrapene carolina (Eastern Box Turtle)	Southern Ridge and Valley Patch Prairie					Marg	
Reptile	Terrapene carolina (Eastern Box Turtle)	Southern Appalachian Grass and Shrub Bald						Marg
Reptile	Terrapene carolina (Eastern Box Turtle)	Mississippi River High Floodplain (Bottomland) Forest	Marg					
Reptile	Terrapene carolina (Eastern Box Turtle)	Mississippi River Low Floodplain (Bottomland) Forest	Marg					
Reptile	Terrapene carolina (Eastern Box Turtle)	Mississippi River Riparian Forest	Marg					
Reptile	Terrapene carolina (Eastern Box Turtle)	East Gulf Coastal Plain Large River Floodplain Forest		Marg				
Reptile	Terrapene carolina (Eastern Box Turtle)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Marg				
Reptile	Terrapene carolina (Eastern Box Turtle)	East Gulf Coastal Plain Northern Seepage Swamp		Marg				
Reptile	Terrapene carolina (Eastern Box Turtle)	Cumberland Seepage Forest				Marg		
Reptile	Terrapene carolina (Eastern Box Turtle)	Southern and Central Appalachian Bog and Fen					Marg	Marg
Reptile	Terrapene carolina (Eastern Box Turtle)	Mississippi River Bottomland Depression	Marg					
Reptile	Terrapene carolina (Eastern Box Turtle)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Marg				
Reptile	Terrapene carolina (Eastern Box Turtle)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Reptile	Terrapene carolina (Eastern Box Turtle)	Interior Low Plateau Seepage Fen			Suit			
Reptile	Terrapene carolina (Eastern Box Turtle)	Southern Appalachian Seepage Wetland						Suit
Reptile	Thamnophis proximus (Western Ribbonsnake)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Reptile	Thamnophis proximus (Western Ribbonsnake)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Reptile	Thamnophis proximus (Western Ribbonsnake)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Reptile	Thamnophis proximus (Western Ribbonsnake)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Reptile	Thamnophis proximus (Western Ribbonsnake)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Marg				
Reptile	Thamnophis proximus (Western Ribbonsnake)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
Reptile	Thamnophis proximus (Western Ribbonsnake)	East Gulf Coastal Plain Limestone Forest		Marg				
Reptile	Thamnophis proximus (Western Ribbonsnake)	South-Central Interior Mesophytic Forest		Marg	Marg			
Reptile	Thamnophis proximus (Western Ribbonsnake)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Reptile	Thamnophis proximus (Western Ribbonsnake)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Marg				
Reptile	Thamnophis proximus (Western Ribbonsnake)	Pennroyal Karst Plain Prairie and Barrens			Suit			

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Reptile	<i>Thamnophis proximus</i> (Western Ribbonsnake)	Western Highland Rim Prairie and Barrens			Suit			
Reptile	<i>Thamnophis proximus</i> (Western Ribbonsnake)	Eastern Highland Rim Prairie and Barrens			Suit			
Reptile	<i>Thamnophis proximus</i> (Western Ribbonsnake)	Mississippi River High Floodplain (Bottomland) Forest	Suit					
Reptile	<i>Thamnophis proximus</i> (Western Ribbonsnake)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Reptile	<i>Thamnophis proximus</i> (Western Ribbonsnake)	Mississippi River Riparian Forest	Suit					
Reptile	<i>Thamnophis proximus</i> (Western Ribbonsnake)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Reptile	<i>Thamnophis proximus</i> (Western Ribbonsnake)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Reptile	<i>Thamnophis proximus</i> (Western Ribbonsnake)	East Gulf Coastal Plain Northern Seepage Swamp		Marg				
Reptile	<i>Thamnophis proximus</i> (Western Ribbonsnake)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Marg				
Reptile	<i>Thamnophis proximus</i> (Western Ribbonsnake)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg			
Reptile	<i>Thamnophis proximus</i> (Western Ribbonsnake)	Interior Low Plateau Seepage Fen			Marg			
Reptile	<i>Thamnophis proximus</i> (Western Ribbonsnake)	South-Central Interior Small Stream and Riparian		Suit	Suit			
Reptile	<i>Thamnophis proximus</i> (Western Ribbonsnake)	Old Field / Successional	Marg	Marg	Marg			
Reptile	<i>Virginia striatula</i> (Rough Earth Snake)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Reptile	<i>Virginia striatula</i> (Rough Earth Snake)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Reptile	<i>Virginia striatula</i> (Rough Earth Snake)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Reptile	<i>Virginia striatula</i> (Rough Earth Snake)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Reptile	<i>Virginia striatula</i> (Rough Earth Snake)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Reptile	<i>Virginia striatula</i> (Rough Earth Snake)	East Gulf Coastal Plain Limestone Forest		Suit				
Reptile	<i>Virginia striatula</i> (Rough Earth Snake)	South-Central Interior Mesophytic Forest		Suit				
Reptile	<i>Virginia striatula</i> (Rough Earth Snake)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Reptile	<i>Virginia striatula</i> (Rough Earth Snake)	Central Interior Highlands Dry Acidic Glade and Barrens		Marg				
Reptile	<i>Virginia striatula</i> (Rough Earth Snake)	Central Interior Highlands Calcareous Glade and Barrens		Marg				
Reptile	<i>Virginia striatula</i> (Rough Earth Snake)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Reptile	<i>Virginia striatula</i> (Rough Earth Snake)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Reptile	<i>Virginia striatula</i> (Rough Earth Snake)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	<i>Virginia striatula</i> (Rough Earth Snake)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Reptile	<i>Virginia striatula</i> (Rough Earth Snake)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	<i>Virginia striatula</i> (Rough Earth Snake)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	<i>Virginia striatula</i> (Rough Earth Snake)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Tardigrade	<i>Calohypsibius schusteri</i> (Schuster's Tardigrade)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Tardigrade	<i>Hypsibius roanensis</i> (Roan Tardigrade)	Southern Appalachian Montane Pine Forest and Woodland						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Tardigrade	Hypsibius roanensis (Roan Tardigrade)	Central and Southern Appalachian Spruce-Fir Forest						Pref

Tennessee State Wildlife Action Plan 2015

Appendix E - Problems affecting GCN species and habitats. Major stresses and sources of stress (problems), including a crosswalk to the CMP 2.0 Beta Threats Classification

APPENDIX E. Problems affecting GCN species and habitats. Major stresses and sources of stress (problems), including a crosswalk to the CMP 2.0 Beta Threats Classification.

Major Stresses Affecting GCN Species by Category and Type (Table 11 from 2005 SWAP, p. 67)	
Stress Category	Stress Type
Altered Structure of Habitat	<ol style="list-style-type: none"> 1. Destruction of Habitat 2. Altered Arrangement of Habitat (vertical & horizontal) 3. Altered Distribution or Abundance of Patch/Seral Stages of Habitat
Altered Physical Environment of Habitat	<ol style="list-style-type: none"> 1. Altered Energy Regime (food source, organic matter, UV radiation) 2. Altered Hydrologic Regimes (surface water level, discharge, frequency, groundwater) 3. Altered Sediment Regime (air & water borne) 4. Altered Fire Regime (frequency, intensity, seasonality) 5. Altered Micro-climate Regime (air/water/soil temperature, precipitation, wind, light)
Altered Chemical Environment of Habitat	<ol style="list-style-type: none"> 1. Altered Water Quality (toxins, nutrient loading, pH, salinity, dissolved oxygen) 2. Altered Soil Quality (toxins, nutrient loading, ion exchange, dissolved oxygen, redox potential) 3. Altered Air Quality (toxins)
Altered Connectivity of Habitat	<ol style="list-style-type: none"> 1. Isolation From Habitats and Resources Needed for Life Cycle Completion (migration, dispersal, recolonization, foraging, mating) 2. Isolation Resulting in Reduced Opportunity for Range Adjustment in Response to Changing Environmental Conditions
Altered Biological Composition & Interaction of Species	<ol style="list-style-type: none"> 1. Altered Species Distribution (density, richness, evenness) 2. Altered Population Demographics (age structure, size class, sex ratios, genetic diversity) 3. Altered Reproduction (hybridization/sterilization) 4. Altered Availability of Food Source 5. Altered Competition for Resources 6. Altered Mutualistic / Symbiotic Relationships 7. Altered Behavior

APPENDIX E. Problems affecting GCN species and habitats. Major stresses and sources of stress (problems), including a crosswalk to the CMP 2.0 Beta Threats Classification.

Descriptions of Potential Sources of Stress to GCN Species (Table 13 from 2005 SWAP, p. 69-72)	
Source of Stress Category	Description
Acid Rain	Destruction or degradation of terrestrial & aquatic habitat from precipitation in the low pH range (acid). Acid rain results from emissions of various pollutants by powerplants, factories, automobiles, and other sources.
Agricultural Conversion	Removal of the natural vegetation of an area for agricultural purposes such as: pasture, row crops, feed lots, outbuildings, etc.
Channelization of Rivers/Streams	Alteration of the natural course of a river or stream by removing rock, dirt, gravel, and other sediments from shorelines and bottoms. Such alteration is done primarily for navigation and flood control purposes.
Commercial Collection of Species	Increased mortality due to legal taking or killing of species for commercial purposes such as: pet trade, live bait, mussel collection for pearl industry, fur trade, smelt production, etc.
Commercial/Industrial Development	Destruction or degradation of habitats in an area due to construction and other activities related to the development of commercial or industrial buildings.
Construction of dams/impoundments	Disruption and degradation of the natural flow of a river or stream due to construction of dams or impoundments. Also includes destruction of terrestrial habitats due to removal and inundation of vegetation along shorelines.
Construction of Ditches / Dikes Drainage / Diversion Systems	Disruption and degradation of the natural hydrologic patterns of wetlands, rivers, and streams due to construction of various water diversionary or containment structures.
Construction of Roads/Railroads/Utilities	Destruction or degradation of habitats in an area due to construction of roads, railroads, or utilities. The linear makeup of these corridors often fragment terrestrial habitats.
Excessive Competition/Predation by Native Species	Increased mortality of animals resulting from either excessive take by predators or by the inability to compete with other species for food and resources.
Excessive Groundwater Withdrawal	Removal of groundwater resources essential to maintenance of hydrologic levels that support aquatic and subterranean species. Withdrawal is primarily from wells drilled for home water supply, irrigation, and other agricultural uses.
Excessive Surface Water Withdrawal	Removal of surfacewater resources needed to maintain hydrologic levels for aquatic and subterranean species.
Fire Suppression	Degradation of fire-dependent natural systems due to either human suppression of fire or the conditions needed to support combustion.
Forest Type Conversion	Any anthropogenic action that results in significant change in forest composition or type.
Illegal Dumping	Increased mortality or degradation of habitats due to illegal disposal of waste products containing pollutants harmful to animals.

APPENDIX E. Problems affecting GCN species and habitats. Major stresses and sources of stress (problems), including a crosswalk to the CMP 2.0 Beta Threats Classification.

Descriptions of Potential Sources of Stress to GCN Species (Table 13 from 2005 SWAP, p. 69-72)	
Source of Stress Category	Description
Illegal Hunting/Fishing/Collection/Killing	Increased mortality of animals due to illegal acts of hunting, fishing, commercial collection, killing, vandalism, or other activities.
Incompatible Animal Production Practices	Degradation of soil & water quality via improper management of animal waste or chemical applications required during the rearing of livestock or other farm animals raised in concentrated conditions.
Incompatible Forestry Practices	Modification of the forest composition or type of an area related to silvicultural (in)activities not compatible with species or habitat.
Incompatible Grazing/Pasture Management Practices	Degradation of soil & water quality and habitat structure of an area due to excessive grazing or to inappropriate exclusion of cattle from stream and forest resources. Also, includes degradation caused by overapplication of fertilizers or other chemicals during pasture management practices.
Incompatible Mining Practices	Destruction or degradation of soil & water quality and habitat structure of an area due to inappropriate removal of soil and minerals or disposal of overburden or waste materials during various mining activities. May also affect subterranean habitats.
Incompatible Row Crop Agriculture Practices	Degradation of soil - water quality or habitat structure related to row crop production and maintenance not compatible with species needs. Often due to erosion from plowing/tilling or chemical applications of herbicides/pesticides.
Incompatible Species Management Practices	Increased mortality or degradation of habitats resulting from the application of management practices that conflict with the ecological needs of a particular species.
Industrial Discharge	Increased mortality or degradation of habitats resulting from legal or illegal releases of toxins or contaminants into the environment by various industries.
Invasive Exotic Species	Increased mortality or habitat degradation caused by excessive competition or predation from invasive exotic species.
Landfill Construction/Operation	Destruction or degradation of habitats due to construction and maintenance of county or municipal landfill operations. Also, includes habitat degradation and increased mortality caused by releases of toxins and other contaminants into the environment.
Low-level Ozone Air Pollution	Destruction or degradation of natural vegetation from the accumulation of toxic ozone in the lower atmosphere, usually in higher elevation regions of the state. Ozone results from emissions of various pollutants by powerplants, factories, automobiles, and other sources.
Military Maneuvers	Increased mortality of species or destruction / degradation of habitats due to the use of heavy vehicles or explosives on the landscape during military exercises.

APPENDIX E. Problems affecting GCN species and habitats. Major stresses and sources of stress (problems), including a crosswalk to the CMP 2.0 Beta Threats Classification.

Descriptions of Potential Sources of Stress to GCN Species (Table 13 from 2005 SWAP, p. 69-72)	
Source of Stress Category	Description
Municipal Wastewater Treatment/Stormwater Runoff	Degradation of water quality resulting from ineffective treatment of municipal wastewater released into rivers and streams. Also, includes ineffective capture and treatment of stormwater runoff which is often contaminated by various pollutants.
Oil or Natural Gas Drilling	Degradation of soil and water quality due to release or spillage of oil, brine, and other chemicals during drilling for oil or natural gas deposits. May also affect subterranean habitats.
Operation of Dams/Reservoirs	Degradation of water quality and aquatic habitat availability due to disruption of natural hydrologic regimes of rivers and streams by dams or reservoirs. Also, includes destruction / degradation of terrestrial habitats due to periodic raising or lowering of water levels.
Operation of Drainage/Diversion Systems	Degradation of water quality and habitat availability due to disruption of natural hydrologic regimes of rivers, streams, & wetlands by the operation of drainage ditches, dikes, and other water diversionary & containment structures.
Parasites/Pathogens	Increased mortality of species due to high levels of parasites or disease-causing pathogens.
Primary Residential Development	Destruction or degradation of habitats due to construction activities associated with the building of primary residences.
Recreational Use of Habitats (Non-vehicular)	Destruction and degradation of habitats and increased mortality of species due to excessive levels of recreational activities or inappropriate usage of habitats for recreation.
Recreational Vehicles	Destruction and degradation of habitats and increased mortality of species due to excessive levels of recreational vehicle traffic or inappropriate usage of habitats for recreational vehicles.
Residential Sewage/Septic Systems	Degradation of water quality resulting from ineffective treatment of residential sewage by septic systems. Often caused by older, defective sewage systems or by poorly-sited septic tanks.
Secondary Home/Resort Development	Destruction or degradation of habitats due to construction activities associated with the building of secondary/vacation homes and resort developments.
Shoreline Stabilization	Degradation of water quality and destruction of habitats along shorelines during stabilization activities that cover stream banks with rock or other erosion-control structures (e.g. rip rap).

APPENDIX E. Problems affecting GCN species and habitats. Major stresses and sources of stress (problems), including a crosswalk to the CMP 2.0 Beta Threats Classification.

See <http://cmp-openstandards.org/using-os/tools/classification-beta-v-2-0/>

CMP Level 1	CMP Level 2 Label	CMP Level 2 Descriptor	TN-SWAP 2005 Source of Stress & 2015 additions*
Residential & Commercial Development	1.1	Housing & urban areas	Primary residential development
			Secondary home/resort development
	1.2	Commercial & industrial areas	Commercial/industrial development
			Landfill construction/operation (one sp)
			Military maneuvers
	1.3*	Tourism & recreation areas*	Tourism and recreation sites with a substantial footprint*
Agriculture and Aquaculture	2.1	Annual & perennial non-timber crops	Agricultural conversion (row crop; mostly historical)
			Incompatible row crop agricultural practices
	2.2	Wood and pulp plantations	Forest type conversion
			2.3
			Incompatible animal production practices
			Incompatible grazing/pasture management practices
Energy Production & Mining	3.1	Oil & gas drilling	Oil or natural gas drilling

APPENDIX E. Problems affecting GCN species and habitats. Major stresses and sources of stress (problems), including a crosswalk to the CMP 2.0 Beta Threats Classification.

CMP Level 1	CMP Level 2 Label	CMP Level 2 Descriptor	TN-SWAP 2005 Source of Stress & 2015 additions*
Energy Production & Mining	3.2	Mining & quarrying	Incompatible mining practices
	3.3*	Renewable energy*	Exploring, developing, and producing renewable energy*
Transportation & Service Corridors	4.1	Roads & Railroads	Construction of roads/railroads/utilities
	4.2	Utility & service lines	Construction of roads/railroads/utilities
	4.3	Shipping lanes	Channelization of rivers/streams
Biological Resource Use	5.1	Hunting & collecting terrestrial animals	Illegal hunting/fishing/collection/killing
	5.2*	Gathering terrestrial plants*	Harvesting plants, fungi, and other non-timber/non-animal products for commercial, recreation, subsistence, research or cultural purposes, or for control reasons*
	5.3	Logging & wood harvesting	Incompatible forestry practices
	5.4	Fishing & harvesting aquatic resources	Commercial collection of species
Human Intrusions & Disturbance	6.1	Recreational activities	Recreational use of habitats (non-vehicular)
			Recreational vehicles
Natural System Modifications	7.1	Fire & Fire suppression	Fire suppression
	7.2	Dams & water management/use	Channelization of rivers/streams
			Construction of dams/impoundments

APPENDIX E. Problems affecting GCN species and habitats. Major stresses and sources of stress (problems), including a crosswalk to the CMP 2.0 Beta Threats Classification.

CMP Level 1	CMP Level 2 Label	CMP Level 2 Descriptor	TN-SWAP 2005 Source of Stress & 2015 additions*
Natural System Modifications			Construction of ditches/dikes/drainage/diversion systems
			Excessive groundwater withdrawal
			Excessive surface water withdrawal
			Operation of dams/reservoirs
			Operation of drainage/diversion systems
	7.3	Other ecosystem modifications	Incompatible species management practices
			Shoreline stabilization
Invasive & Problematic Species, Pathogens & Genes	8.1	Invasive non-native/alien species plants & animals	Invasive exotic species
	8.2	Problematic native plants & animals	Excessive competition/predation by native species
	8.4	Pathogens & Microbes	Parasites/pathogens
Pollution	9.1	Household sewage & urban waste water	Municipal wastewater treatment/stormwater runoff
			Residential sewage/septic systems
	9.2	Industrial & military effluents	Industrial discharge

APPENDIX E. Problems affecting GCN species and habitats. Major stresses and sources of stress (problems), including a crosswalk to the CMP 2.0 Beta Threats Classification.

CMP Level 1	CMP Level 2 Label	CMP Level 2 Descriptor	TN-SWAP 2005 Source of Stress & 2015 additions*
Pollution	9.3	Agriculture & forestry effluents	Incompatible animal production practices
			Incompatible Forestry Practices
			Incompatible grazing/pasture management practices
			Incompatible row crop agricultural practices
	9.4	Garbage & solid waste	Illegal dumping
	9.5	Air-borne pollutants	Acid rain
	9.5	Air-borne pollutants	Low-level ozone air pollution

* TN-SWAP sources of stress added during the 2015 update.

Tennessee State Wildlife Action Plan 2015
Appendix F - Climate Change and Potential Impacts to
Wildlife in Tennessee, Factsheet

CLIMATE CHANGE and POTENTIAL IMPACTS TO WILDLIFE IN TENNESSEE

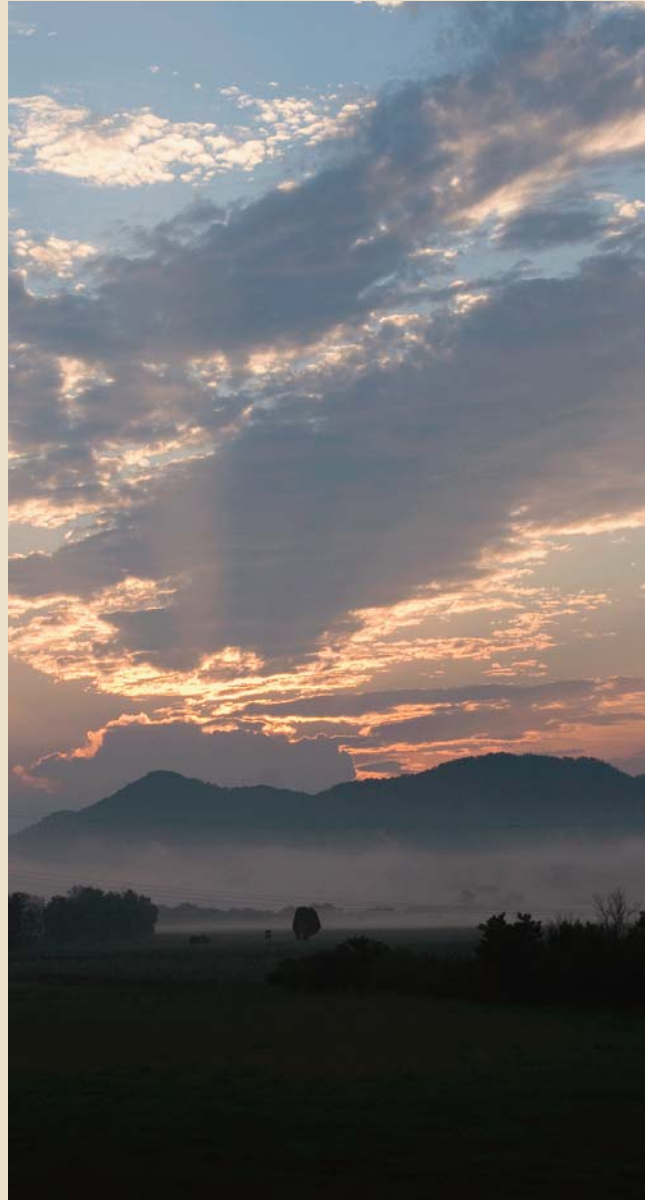
Tennessee is blessed with an abundance of wildlife and natural resources. From the peaks of the Great Smoky Mountains to the fertile farms of the Nashville Basin to the rich bottomlands along the Mississippi River, we are a state defined by our natural environment. Our forests, mountains, streams and caves provide habitat for an array of waterfowl, bats, salamanders, songbirds and fish, many of which are unique to Tennessee. These resources provide the state with a range of economic benefits, both directly (timber production, outdoor recreation) and indirectly (water purification, wildlife habitat).

Unfortunately, Tennessee's wildlife and natural resources face a serious threat from climate change. Warmer temperatures and changes in precipitation could disrupt the state's delicate forest and aquatic ecosystems. Furthermore, the cumulative impacts of climate change in concert with other sources of stress—pollution, sprawl, and invasive species—could produce significant impacts to Tennessee's incredible diversity of habitats and wildlife.

To better understand the threat, the Tennessee Wildlife Resources Agency has completed a comprehensive assessment of the potential impacts to wildlife and their habitats from a changing climate, which is projected to warm for the remainder of this century. Key findings from the study include:

- Tennessee's forests are expected to undergo changes in forest growth and composition, with some tree types expanding at the expense of others. Some high elevation forest types will be dramatically impacted or lost entirely.
- Brook trout populations are expected to decline as surface water temperatures increase.
- Migratory songbirds may alter their ranges, with some species disappearing from Tennessee altogether
- Larger floods and longer droughts could cause increased erosion, reduced water supply and the spread of invasive species.

If Tennessee hopes to preserve its rich biodiversity, we must take action today to help safeguard wildlife from the future threats of climate change. By developing strategies to address local climate change-related vulnerabilities, we can prevent the worst damage to our natural systems and the habitats that both people and wildlife depend upon.



FROM BIRDS TO BASS: POTENTIAL IMPACTS ON TENNESSE'S WILDLIFE

Warmer temperatures, longer droughts, increased flooding and shifts on forest composition caused by climate change will significantly impact Tennessee's wildlife and the habitats upon which they depend.

Aquatic Resources and Fisheries

1. Tennessee's aquatic diversity - 320 species of fishes, 77 species of crayfishes, and 129 species of freshwater mussels - makes Tennessee one of the last strongholds of aquatic diversity. Effects on fish and mussel populations are expected to be greatest in mountainous parts of the Cumberland Plateau and east Tennessee where large numbers of rare endemic species exist.

2. The coldest headwaters and spring influenced habitats are at risk of being lost. Twenty-two greatest conservation need species are dependent on spring or headwater streams. Brook trout are likely to lose the most habitat. Brown and rainbow trout might be able to shift upstream in a warmer headwater habitat.

3. Both the Striped Bass and the walleye can be expected to lose habitat in a warming climate.

4. In large tributary reservoirs, an increase in temperature will negatively affect cool to coldwater fish habitat and possibly benefit some warmwater species. Losers could be trout, smallmouth bass and walleye. Winners could be largemouth bass, crappie, catfish and bluegill.

Birds

1. Birds found in wetlands and mature forests may suffer habitat declines in Tennessee due to habitat loss attributed to climate change.

2. Birds who live in grasslands, scrub-shrub, and pine or oak savannas, may benefit with increased habitat availability.

3. Duck populations wintering in Tennessee are expected to decline, with lower reproductive success on their breeding grounds in the northern prairies of Canada and the U.S. Warmer winter weather to the north will retain open water conditions, thus many birds will stay further north, which would adversely impact waterfowl hunting in Tennessee.

Mammals

1. Northern Flying Squirrels, Rock Voles and Red squirrels, which are found in high elevation, cool, humid habitats are at risk.

Caves and Bats

1. Karst aquifers are important to both to the surface and subsurface ecology of a region and to domestic water supplies. If drought cycles increase in regularity and intensity these ground water resources could disappear.

2. Indiana bats prefer cold air caves and will only hibernate in caves that have stable winter temperatures ranging from 37 - 43 degrees F. Caves that are currently at the upper end of this range could become unsuitable for Indiana bats.

“With warming temperatures, the Tennessee River Basin is expected to undergo greater water stress during the remainder of the 21st century than other regional basins.”



Reptiles and Amphibians

1. Increased winter temperatures could increase the threat of exotic species to native amphibian and reptile populations by increasing the survival rate of these invaders.
2. Range expansions or contractions of several frog species may occur as temperatures become warmer. Affected species could include the Bird-voiced Treefrog, Green Treefrog and the Wood Frog.
3. Rare endemic salamander species found only in high elevation, cool, humid habitats are at risk. Affected species could include the Junaluska Salamander and the Pygmy Salamander.



TENNESSEE'S UNPARALLELED BIODIVERSITY

- o Tennessee has 77 amphibians including 21 species of frogs and 56 species of salamanders, making it the third most diverse state in amphibians.
- o Dubbed the “Hardwood Capital of the World,” Tennessee is the number one producer of hardwood flooring and is ranked second in the United States in hardwood lumber production.
- o The Smoky Mountains have long been recognized as a global center of biodiversity. There are more tree species in the Smokies (130) than in all of Northern Europe.
- o Tennessee is one of the nations most karst rich states. It is estimated that Tennessee has more than 9,000 caves.
- o In 2002, Tennessee was ranked second nationally for number of fish species.

SAFEGUARDING WILDLIFE FROM CLIMATE CHANGE

Combating climate change requires a two-pronged approach. First, we must address the cause of climate change by reducing greenhouse gas emissions at the state, federal and global level. Second, we must address the inevitable impacts of climate change on wildlife and natural resources.

To achieve the latter, the Tennessee Wildlife Resources Agency, National Wildlife Federation, and The Nature Conservancy have identified the following as the most important and immediate strategies:

Protecting Key Ecosystem Features

Maintain or establish riparian buffers along streams to lessen impacts of temperature increases; Protect headwater streams of priority aquatic systems (e.g., Duck River, etc.); Maintain or establish corridors to facilitate migration routes for species and/or populations, and to facilitate gene flow.

Reduce Human-Associated Stresses

There are many human-associated stresses that will reduce the ability of species or ecosystems to withstand a stressful climatic event. A key issue in Tennessee and the southeastern region of the United States will be continued population growth, and the impacts of urbanization on the waters and landscapes of the region. Projections indicate that an additional 2 million people will make Tennessee their home by 2025, bringing our state's population to 8 million. Strategies to mitigate these stresses should be adopted as part of a climate change adaptation program.

Representation

Ensuring that biological systems come in a variety of forms will provide some level of resilience. We should maintain a mixture of habitat types, protect priority conservation areas identified in Tennessee's State Wildlife Action Plan, and maintain numerous viable populations for priority species as identified in the action plan.

CLIMATE CHANGE and TENNESSEE'S ECONOMY: WHAT'S AT RISK?

- Outdoor recreation contributes more than \$6.3 billion annually to Tennessee's economy and supports 67,000 jobs across the state.
- Tennessee is home to around 787,000 acres of wetlands. A 20 percent loss of wetland acreage would cost the state from \$55 million to nearly \$4 billion.
- In 2000, the forest product industry accounted for 6.6 percent of Tennessee's GDP, generated \$21.7 billion in economic output, and employed 180,000 people in the forest product industry.

Vulnerability Assessments

Research should be conducted to determine and identify those species and ecosystems that are most vulnerable to climate change.

Replication

Maintain numerous viable populations for priority species as identified in the action plan. Protect strategically important lands and waters through fee acquisition or conservation easement (Priority conservation areas identified in Tennessee's State Wildlife Action Plan).

Refugia

Refugia refers to areas or environments that are less affected by climate change than other areas. In many ways, strategies for creating refugia are included in the strategies above, such as representation or restoration. Acquisition and/or protection of subterranean systems may be good candidates for this strategy.

Monitoring and Adaptive Management

Long term monitoring systems that are strategically designed to evaluate climate change impacts and wildlife responses are a high priority for TWRA.

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Tennessee State Wildlife Action Plan 2015
Appendix G - Comprehensive hierarchy of Statewide
Conservation Actions for GCN Species and Habitats

Appendix G: Comprehensive hierarchy of Statewide Conservation Actions for GCN Species

Class	General Action	Specific Action
Habitat acquisition	Fee-title Ownership	Use federal/state/private funding sources to acquire critical units of aquatic, subterranean, and terrestrial habitats which provide species protection, buffering, connectivity, and/or perpetuation of natural processes.
Habitat acquisition	Fee-title Ownership	Revive TN Protection Planning Committee to coordinate land acquisition priorities among state/federal agencies and non-governmental organizations.
Habitat acquisition	Permanent Protective Easements	Use federal/state/private funding sources to acquire permanent easements within critical units of aquatic, subterranean, and terrestrial habitats which provide species protection, buffering, connectivity, and/or perpetuation of natural processes.
Habitat acquisition	Permanent Protective Easements	Revive TN Protection Planning Committee to coordinate acquisition of permanent protective easements among state/federal agencies and non-governmental organizations.
Information collection and dispersal	Communications & Public Relations	Develop a multi-media public outreach campaign to promote the availability of government-funded incentive programs to private landowners.
Information collection and dispersal	Communications & Public Relations	Develop a multi-media public outreach campaign to promote awareness of the negative effects of invasive exotic species.
Information collection and dispersal	Communications & Public Relations	Develop a multi-media public outreach campaign to promote the need for conserving rare, threatened, or endangered species and habitats.
Information collection and dispersal	Conservation Planning	Develop/participate in regional conservation planning initiatives sponsored by federal and state agencies (e.g. TDEC Recreation Management Plan, State Park planning, State Forest planning, TWRA regional planning, USFWS Joint Venture planning, TVA Reservoir Operations study, etc.)
Information collection and dispersal	Conservation Planning	Develop/participate in regional planning initiatives sponsored by non-governmental organizations or public/private partnerships (e.g. TNC ecoregional planning, WWF watershed planning, Cumberland Region Tomorrow - Community Quality Growth Planning, Partners In Flight, Audubon - Important Bird Areas, Habitat Conservation Plans, etc.).
Information collection and dispersal	Conservation Planning	Develop central database to combine/reconcile/maintain state & federal agency, non-governmental organization, and university sources of data for target species and habitats.
Information collection and dispersal	Formal Education, Training, Outdoor Education, & Recreation	Develop outdoor education and recreation programs that inform the public about the effects of recreational vehicles and various other recreational uses on target species and habitats.

Class	General Action	Specific Action
Information collection and dispersal	Formal Education, Training, Outdoor Education, & Recreation	Incorporate information about protection of target species and habitats into forestry training programs such as the Cooperative Extension Master Logger Program, TN Wildlife Resources Agency Forestry Outreach, and other formal education programs.
Information collection and dispersal	Formal Education, Training, Outdoor Education, & Recreation	Develop brochures, land managers guides, posters, and other educational aids for the public that address conservation issues affecting target species and habitats.
Information collection and dispersal	Formal Education, Training, Outdoor Education, & Recreation	Develop school curricula in conjunction with the TN Department of Education to emphasize local, state, & regional conservation issues affecting target species and habitats.
Information collection and dispersal	Formal Education, Training, Outdoor Education, & Recreation	Deliver formal presentations for classrooms, public-interest groups, academic conferences, clubs, and other groups to promote conservation issues affecting target species and habitats.
Information collection and dispersal	Monitoring	Develop a monitoring program to measure bioaccumulation of contaminants in target species (e.g. fish, mussels, turtles, birds, bats, etc.).
Information collection and dispersal	Monitoring	Expand network of trained volunteers to conduct various types of environmental monitoring for target species and habitats (e.g. "Adopt A Stream" program, PIF bird counts, etc.).
Information collection and dispersal	Monitoring	Develop GIS remote-sensing program to analyze statewide land cover changes, map habitats, evaluate land use practices, etc. at shorter intervals or in greater detail than current national-level programs.
Information collection and dispersal	Research	Conduct scientific surveys to discern the geographical distributions of lesser known target species.
Information collection and dispersal	Research	Conduct research on life history and ecological needs of target species to establish guidelines for determining population viability.
Information collection and dispersal	Research	Establish guidelines for determining population viability standards for target species (i.e. size, condition, & landscape context).
Information collection and dispersal	Research	Conduct research on problems (i.e. stresses and sources of stress) affecting target species and habitats.
Information collection and dispersal	Research	Conduct research to map karst systems, delineate underground watersheds, and identify above-ground linkages to subterranean habitats.
Management and restoration of species and habitats	Compatible Resource Use	Utilize government funded incentive programs (e.g. CRP, EQIP, CSP, WRP, WHIP, FLEP, and LIP) to encourage private landowners to protect water quality for target species in critical units of aquatic, subterranean, or terrestrial habitats.

Class	General Action	Specific Action
Management and restoration of species and habitats	Compatible Resource Use	Utilize government funded incentive programs (e.g. FLEP, WHIP, CRP, EQIP, LIP, Forest Stewardship Program, and Forest Legacy Program) to encourage private landowners to restore and/or protect native forest systems for target species in critical units of aquatic, subterranean, or terrestrial habitats.
Management and restoration of species and habitats	Compatible Resource Use	Utilize government-funded incentive programs such as WHIP, CRP, WRP, GRP, EQIP, CSP, FLEP, LIP, and rare species protection funding such as FWS Section 6 and other funds to manage or restore populations of target species in critical units of aquatic, subterranean, or terrestrial habitats.
Management and restoration of species and habitats	Compatible Resource Use	Develop formal management agreements between private landowners, agencies, and non-governmental organizations to provide financial/technical assistance to manage target species within critical units of aquatic, subterranean, and terrestrial habitats (e.g. TWRA management agreements, USFWS Safe Harbor program, TNC cooperative management agreements, etc.).
Management and restoration of species and habitats	Compatible Resource Use	Install exclusionary devices (e.g. gates, barriers, trespass detection equipment, etc.) to limit access to critical units of aquatic, subterranean, or terrestrial habitats for target species vulnerable to human disturbance.
Management and restoration of species and habitats	Compatible Resource Use	Participate in environmental review procedures to prevent/mitigate construction of dams, impoundments, drainage ditches, levees, stormwater culverts, and other water diversionary structures that affect target species in critical units of aquatic, subterranean, or terrestrial habitats.
Management and restoration of species and habitats	Compatible Resource Use	Participate in environmental review procedures to prevent/mitigate coal mining and oil & natural gas drilling activities that affect target species in critical units of aquatic, subterranean, and terrestrial habitats.
Management and restoration of species and habitats	Compatible Resource Use	Encourage adoption of more stringent sustainable forestry practices on state forests and other public lands that contain critical units of aquatic, subterranean, and terrestrial habitats.
Management and restoration of species and habitats	Conservation Area Management	Participate in activities to establish/adjust state wildlife "sanctuaries" and/or federally designated critical habitat areas for target species on multi-use public/private conservation areas across the state.
Management and restoration of species and habitats	Conservation Area Management	Develop and implement conservation plans for all public/private conservation areas across the state based on ecosystem-level management principles.
Management and restoration of species and habitats	Conservation Area Management	Develop recreation management plans that outline strict guidelines on high-impact recreational uses on public/private conservation areas across the state.
Management and restoration of species and habitats	Conservation Area Management	Discourage conversion of native habitats to semi/non-natural land types (e.g. pine plantations, golf courses, etc.) on public and private conservation areas across the state.

Class	General Action	Specific Action
Management and restoration of species and habitats	Control/Prevention of Invasive Exotic Species & Pathogens	Conduct rapid ecological assessments of key populations of target species and critical units of aquatic, subterranean, and terrestrial habitats most susceptible to invasive exotic species & pathogens.
Management and restoration of species and habitats	Control/Prevention of Invasive Exotic Species & Pathogens	Implement integrated pest management practices to control or prevent invasive exotic species & pathogens from key populations of target species and critical units of aquatic, subterranean, and terrestrial habitats.
Management and restoration of species and habitats	Control/Prevention of Invasive Exotic Species & Pathogens	Organize a TN Exotic Pest Animal Council to coordinate activities with the TN Exotic Pest Plant Council and serve as a clearinghouse of information & decisionmaking to control or prevent outbreaks of invasive exotic species.
Management and restoration of species and habitats	Control/Prevention of Invasive Exotic Species & Pathogens	Establish a central GIS database to track occurrences of severe category invasive exotic species and maintain information on control measures & current management efforts statewide.
Management and restoration of species and habitats	Control/Prevention of Invasive Exotic Species & Pathogens	Support programs that advocate usage of native or non-invasive exotic plants in ornamental horticulture, erosion control, and wildlife habitat plantings.
Management and restoration of species and habitats	Habitat/Natural Processes Restoration	Reintroduce fire via prescribed burning into fire-dependent grassland & woodland systems within critical units of terrestrial habitats.
Management and restoration of species and habitats	Habitat/Natural Processes Restoration	Reclaim abandoned coal mines and streams affected by acid mine drainage within critical units of aquatic, subterranean, and terrestrial habitats.
Management and restoration of species and habitats	Habitat/Natural Processes Restoration	Restore degraded/converted wetland systems within critical units of aquatic, subterranean, and terrestrial habitats.
Management and restoration of species and habitats	Habitat/Natural Processes Restoration	Restore in-stream flows and physical structure to channelized or impounded streams within critical units of aquatic, subterranean, and terrestrial habitats.
Management and restoration of species and habitats	Habitat/Natural Processes Restoration	Restore degraded forests and pine plantations to appropriate natural ecological systems in or near critical units of aquatic, subterranean, and terrestrial habitats.
Management and restoration of species and habitats	Habitat/Natural Processes Restoration	Restore pastures and other agricultural lands to appropriate natural ecological systems in or near critical units of aquatic, subterranean, and terrestrial habitats.
Management and restoration of species and habitats	Habitat/Natural Processes Restoration	Remove or modify physical barriers that disrupt habitat/population connectivity for target species within critical units of aquatic, subterranean, and terrestrial habitats.
Management and restoration of species and habitats	Species Restoration	Reintroduce extirpated and historic populations of priority species to appropriate habitats across the state.
Management and restoration of species and habitats	Species Restoration	Utilize ex-situ conservation methods (e.g. captive breeding, gene banking, etc.) to conserve populations of target species on the verge of rangewide extinction or local extinction of unique genotypes.
Management and restoration of species and habitats	Species Restoration	Provide funding to permitted institutions/individuals for rehabilitation of priority target species across the state.

Class	General Action	Specific Action
Management and restoration of species and habitats	Species Restoration	Continue funding and staff support for a freshwater mollusc propagation facility to increase populations of mussels and aquatic snails for habitat reintroduction.
Capacity building	Alliances & Partnerships	Develop strategic alliance with Farm Bureau, Natural Resource Conservation Service, Farm Service Agency, TN Division of Water Pollution Control, Cooperative Extension, and other institutions to improve agricultural and animal production industries that affect target species and habitats.
Capacity building	Alliances & Partnerships	Develop strategic alliance with U.S. Army Corp of Engineers, TN Valley Authority, water utility boards, and other institutions to address water management issues that affect target species and habitats.
Capacity building	Alliances & Partnerships	Develop strategic alliance with TN Dept. of Transportation, county mayors, municipalities, city/county planners, private developers and others to address urban and rural development practices that affect target species and habitats.
Capacity building	Alliances & Partnerships	Develop strategic alliance with TN Division of Forestry, TN Forestry Association, U.S. Forest Service, private timber companies, non-governmental organizations, universities, and other forest resource managers to address forestry practices that affect target species and habitats.
Capacity building	Alliances & Partnerships	Develop strategic alliance with TN Division of Geology, Office of Surface Mining, U.S. Geological Survey, TN Oil & Gas Association, private companies, and other institutions to address mining and drilling issues that affect target species and habitats.
Capacity building	Alliances & Partnerships	Develop strategic alliance with the U.S. Environmental Protection Agency, TN Dept. of Environment and Conservation, non-governmental organizations, and other related environmental regulatory agencies to address air and water quality issues affecting target species and habitats.
Capacity building	Alliances & Partnerships	Develop faunal and/or habitat working groups (e.g. bat working group, cave working group, Partners In Flight/TN Ornithological Society working group, etc.) composed of academics, government and non-government biologists, & others to identify research issues, conduct research, fill data gaps, and disperse scientific information.
Capacity building	Alliances & Partnerships	Partner with TN Division of Forestry, TN Wildlife Resources Agency, TN Division of Natural Heritage, TN State Parks, U.S. Forest Service, U.S. Fish & Wildlife Service, The Nature Conservancy, and other institutions to establish a statewide burn crew to conduct prescribed burns in fire-dependent grassland & woodland habitats.

Class	General Action	Specific Action
Capacity building	Alliances & Partnerships	Develop strategic alliances with state/federal agencies, non-governmental organizations, stakeholders, and other groups focused on improvement of regional landscapes or special natural resources that contain target species in need of conservation (e.g. Alliance for the Cumberlands, Mississippi River Corridor, Cumberland Region Tomorrow, cave conservation groups, etc.).
Capacity building	Alliances & Partnerships	Partner with state/federal agencies, non-governmental organizations, and various institutions in other states/countries to develop conservation strategies to manage wide-ranging target species and/or abate problems affecting species and habitats of regional/international concern (e.g. U.S. Fish & Wildlife Service Joint Ventures, international partnerships for neo-tropical migratory birds, Southeast Aquatic Resource Partnership, etc.).
Capacity building	Conservation Finance	Establish a private capital conservation fund to finance and/or provide leverage for priority land acquisition deals across the state.
Capacity building	Conservation Finance	Solicit donations from private individuals and foundations for conservation work being conducted by various state/federal agencies and non-governmental organizations.
Capacity building	Conservation Finance	Incorporate network of trained volunteers within state agencies as "in-kind" services match for federal funds.
Capacity building	Institutional Improvement	Increase staffing and funding of state agencies and local offices of federal agencies responsible for managing target species/habitats or monitoring environmental quality.
Capacity building	Institutional Improvement	Increase staffing and funding of non-governmental organizations that either manage or assist with the protection of target species and habitats.
Capacity building	Institutional Improvement	Create opportunities for cost-shared positions among state agencies, municipal/county governments, non-governmental organizations, and/or other institutions to increase the number of biological staff working on protection of target species and habitats.
Commercial incentives	Conservation Enterprises	Develop forest banking programs for forest systems at high risk of destruction or degradation within critical units of aquatic, subterranean, or terrestrial habitats.
Commercial incentives	Conservation Enterprises	Create ecotourism-based local economies to deter development or natural resource extraction pressures in economically depressed areas that contain critical units of aquatic, subterranean, or terrestrial habitats.
Commercial incentives	Market Forces	Encourage municipal & county governments to subsidize/offer additional incentives to developers that utilize "green" methods of construction, design, and land-use planning in large residential or commercial developments.

Class	General Action	Specific Action
Law & Policy	Compliance & Enforcement	Develop multi-agency network of professional aquatic biologists to assist TN Div. of Water Pollution Control in gathering documentation and supporting evidence to enforce existing water quality laws.
Law & Policy	Compliance & Enforcement	Increase compliance monitoring of aquatic resource alteration permits, storm water, & other permits within critical units of aquatic and subterranean habitats.
Law & Policy	Compliance & Enforcement	Work with TN Wildlife Resources Agency and U.S. Fish & Wildlife Service to enforce compliance with rules and other stipulations for scientific collector permits and commercial licenses.
Law & Policy	Compliance & Enforcement	Provide TWRA wildlife officers with non-game funding to assist with compliance and enforcement of state laws protecting target species and habitats.
Law & Policy	Land-use Planning & Zoning	Participate in the review and/or revision of county urban growth management plans.
Law & Policy	Land-use Planning & Zoning	Encourage municipal and county governments to adopt zoning ordinances that limit or regulate development within critical units of aquatic, subterranean, and terrestrial habitats.
Law & Policy	Land-use Planning & Zoning	Provide funding/resources for the completion of the state's property owner base mapping project for counties that contain critical units of aquatic, subterranean, and terrestrial habitats.
Law & Policy	Legislation	Propose/support state legislation to remove or prevent passage of private legislative acts that negatively effect target species and habitats.
Law & Policy	Legislation	Propose/support state and federal legislation to create dedicated funding sources for conservation programs, acquisition, and/or restoration of critical units of aquatic, subterranean, and terrestrial habitats.
Law & Policy	Legislation	Propose/support state legislation to restrict importation or usage of severe category invasive exotic animal and plant species in the state.
Law & Policy	Legislation	Propose/support state legislation to strengthen penalties for laws regarding poaching, illegal collection, or killing of target species and for violation of current environmental quality or habitat destruction laws.
Law & Policy	Legislation	Propose/support federal legislation to support CITES and to increase penalties for illegal trade in wildlife.
Law & Policy	Legislation	Propose/support state & federal legislation to modify current "greenbelt" laws to include tax breaks to landowners for protection of target species and habitats or vital ecosystem services such as forest/watershed protection.
Law & Policy	Legislation	Propose/support federal legislation to fund a national or regional conservation initiative regarding aquatic resource protection (e.g. National/Southeast Aquatic Resources Partnership).

Class	General Action	Specific Action
Law & Policy	Legislation	Propose/support state legislation urging the federal Office of Surface Mining to designate critical units of aquatic, subterranean, and terrestrial habitats as "lands unsuitable for mining".
Law & Policy	Legislation	Propose/support federal legislation to encourage greater public participation in federal incentive programs (e.g. CRP, EQIP, LIP, WHIP, WRP, etc.) by revamping current spending limits and cost-share matches for private landowners.
Law & Policy	Policies & Regulations	Enact more stringent policies & regulations regarding issuance of scientific collector permits and commercial licenses for target species within critical units of aquatic, subterranean, and terrestrial habitats.
Law & Policy	Policies & Regulations	Review current policies & regulations regarding commercial usage of non-game species.
Law & Policy	Policies & Regulations	Encourage TN Valley Authority and U.S. Army Corps of Engineers to review policies & regulations regarding operation of dams/impoundments or other water diversionary structures that affect target species and habitats.
Law & Policy	Policies & Regulations	Encourage the federal Office of Surface Mining to designate critical units of aquatic, subterranean, and terrestrial habitats as "lands unsuitable for mining" under current federal policy guidelines.
Law & Policy	Standards	Develop standards for instream-flow regimes that establish minimum water levels required for target species during critical periods and for maintenance of habitat quality.
Law & Policy	Standards	Encourage state/federal agencies to increase clean air standards regarding sulfur-dioxide emissions and other pollutants.
Law & Policy	Standards	Develop more stringent standards for forestry "best management practices" based on regional differences in landform and habitats.
Law & Policy	Standards	Evaluate agency standards for conducting environmental reviews of projects that potentially affect target species and habitats.
Law & Policy	Standards	Develop more stringent standards regarding permits for construction projects that potentially affect water quality and/or alter habitat.
Law & Policy	Standards	Evaluate agency standards for reviewing status of state endangered, threatened, proposed endangered, proposed threatened, and "deemed in need of management" species.

Tennessee State Wildlife Action Plan 2015

Appendix H - Specific Conservation Actions in the TN-SWAP strategy hierarchy most aligned with TWRA's operational mission, capacity, and funding

Appendix H: Specific Conservation Actions in the TN-SWAP strategy hierarchy most aligned with TWRA's operational mission, capacity, and funding

Class	General Action	Specific Action
Habitat Acquisition	Fee-title Ownership	Use federal/state/private funding sources to acquire critical units of aquatic, subterranean and terrestrial habitats which provide species protection, buffering, connectivity, and/or perpetuation of natural processes.
	Permanent Protective Easements	Use federal/state/private funding sources to acquire permanent easements within critical units of aquatic, subterranean and terrestrial habitats which provide species protection, buffering, connectivity, and/or perpetuation of natural processes.
Information Collection & Dispersal	Communications & Public Relations	Develop a multi-media public outreach campaign to promote the availability of government-funded incentive programs to private landowners.
		Develop a multi-media public outreach campaign to promote awareness of the negative effects of invasive exotic species.
	Conservation Planning	Develop/participate in regional conservation planning initiatives sponsored by federal and state agencies (e.g. TDEC Recreation Management Plan, State Park planning, State Forest planning, TWRA regional planning, USFWS Joint Venture Planning, TVA Reservoir Operations study, etc.).
		Develop/participate in regional planning initiatives sponsored by non-governmental organizations or public/private partnerships (e.g. TNC, WWF, Cumberland Region Tomorrow-Community Quality Growth Planning, Partners in Flight, Audubon-Important Bird Areas, Habitat Conservation Plans, etc.).
	Monitoring	Develop a monitoring program to measure bioaccumulation of contaminants in target species (e.g. fish, mussels, turtles, birds, bats, etc.).
		Expand network of trained volunteers to conduct various types of environmental monitoring for target species and habitats (e.g. Adopt a Stream program, PIF bird counts, etc.).
		Conduct scientific surveys to discern the geographical distributions of lesser known target species.

Appendix H: Specific Conservation Actions in the TN-SWAP strategy hierarchy most aligned with TWRA's operational mission, capacity, and funding

Class	General Action	Specific Action
Information Collection & Dispersal	Research	Conduct research on life history and ecological needs of target species to establish guidelines for determining population viability.
		Conduct research on problems (i.e. stresses and sources of stress) affecting target species and habitats.
Management & Restoration of Species and Habitats	Compatible resource use	Utilize government funded incentive programs to encourage private landowners to protect water quality for target species in critical units of aquatic, subterranean, or terrestrial habitats.
		Utilize government funded incentive programs to encourage private landowners to restore and/or protect native forest systems for target species in critical units of aquatic, subterranean, or terrestrial habitats.
		Install exclusionary devices (e.g. gates, barriers, trespass detection equipment, etc.) to limit access to critical units of aquatic, subterranean, or terrestrial habitats for target species vulnerable to human disturbance.
		Participate in environmental review procedures to prevent/mitigation construction of dams, impoundments, drainage ditches, levees, storm water culverts, and other water diversionary structures that affect target species in critical units of aquatic, subterranean, or terrestrial habitats.
		Participate in environmental review procedures to prevent/mitigate coal mining and oil & natural gas drilling activities that affect target species in critical units of aquatic, subterranean, and terrestrial habitats.
		Encourage adoption of more stringent sustainable forestry practices on state forests and other public lands that contain critical units of aquatic, terrestrial, and subterranean habitats.
	Conservation area management	Develop and implement conservation plans for all public/private conservation areas across the state based on ecosystem-level management principles.
	Control/ Prevention of Invasive Exotic Species & Pathogens	Implement integrated pest management practices to control or prevent invasive exotic species and pathogens from key populations of target species and critical units of aquatic, subterranean, and terrestrial habitats.

Appendix H: Specific Conservation Actions in the TN-SWAP strategy hierarchy most aligned with TWRA's operational mission, capacity, and funding

Class	General Action	Specific Action
Management & Restoration of Species and Habitats	Habitat/Natural Processes Restoration	Reintroduce fire via prescribed burning in fire-dependent grassland & woodland systems within critical units of terrestrial habitats.
		Reclaim abandoned coal mines and streams affected by acid mine drainage within critical units of aquatic, subterranean, and terrestrial habitats.
		Restore degraded/converted wetland systems within critical units of aquatic, subterranean, and terrestrial habitats.
		Restore in-stream flows and physical structure to channelized or impounded streams within critical units of aquatic, subterranean, and terrestrial habitats.
		Restore degraded forests and pine plantations to appropriate natural ecological systems in or near critical units of aquatic, subterranean, and terrestrial habitats
		Restore pastures and other agricultural lands to appropriate natural ecological systems in or near critical units of aquatic, subterranean, and terrestrial habitats.
		Remove or modify physical barriers that disrupt habitat/population connectivity for target species within critical units of aquatic, subterranean and terrestrial habitats.
	Species Restoration	Utilize federal/state funding sources (e.g. USFWS Section 6 Recovery Plan funding, etc.) to reintroduce extirpated and historic populations of priority species to appropriate habitats across the state.
		Continue funding and staffing support for a freshwater mollusk propagation facility to increase populations of mussels and aquatic snails for habitat reintroduction.
Capacity Building	Alliances & Partnerships	Develop strategic alliance with Farm Bureau, Natural Resources Conservation Service, Farm Services Agency, TN Division of Water Resources, Cooperative Extension, and other institutions to improve agricultural and animal production industries that affect target species and habitats.
		Develop strategic alliance with U.S. Army Corps of Engineers, TN Valley Authority, water utility boards, and other institutions to address water management issues that affect target species and habitats.

Appendix H: Specific Conservation Actions in the TN-SWAP strategy hierarchy most aligned with TWRA's operational mission, capacity, and funding

Class	General Action	Specific Action
Capacity Building	Alliances & Partnerships	Develop faunal and/or habitat working groups (e.g. bat working group, cave working group, Partners in Flight/ TN Ornithological Society working group, etc.) composed of academics, government and non-government biologists, & others to identify research issues, conduct research, fill data gaps, and disperse scientific information.
Law & Policy	Compliance & Enforcement	Develop multi-agency network of professional aquatic biologists to assist TN Division of Water Resources in gathering documentation and supporting evidence to enforce existing water quality laws.
	Land-use Planning & Zoning	Participate in the review and/or revision of county urban growth management plans.
		Encourage municipal and county governments to adopt zoning ordinances that limit or regulate development within critical units of aquatic, subterranean, and terrestrial habitats.
	Policies & Regulations	Encourage TN Valley Authority and U.S. Army Corps of Engineers to review policies and regulations regarding operation of dams/impoundments or other water diversionary structures that affect target species and habitats.
		Encourage the Federal Office of Surface Mining to designate critical units of aquatic, subterranean, and terrestrial habitats as "lands unsuitable for mining" under current federal policy guidelines.
	Standards	Develop standards for instream flow regimes that establish water levels required for target species during critical periods and for maintenance of habitat quality.
Develop more stringent standards for forestry "best management practices" based on regional differences in landform and habitats.		

Tennessee State Wildlife Action Plan 2015

Appendix I - Conservation Opportunity Area summary factsheets

(this document is bound separately)

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Appendix J - Preliminary adaptation options for different sets of priority species and habitats

Appendix J: Preliminary adaptation options for different sets of priority species and habitats

Preliminary adaptation options for different sets of priority species and habitats, related to shifting precipitation and warming temperatures at landscape and local scales in Tennessee.

Note: Adaptation options are organized according to **National Fish, Wildlife and Plants Climate Adaptation Strategy** (NFWPCAS) goal and National Wildlife Federation’s (NWF) general adaptation strategy classification. Information in the following tables should be considered preliminary and not inclusive of all climate related conservation needs in Tennessee. For further explanation, please see Chapter 5 of the SWAP report.

CHANGES IN PRECIPITATION TIMING AND DURATION

I. Maintain and improve hydrologic integrity of aquatic systems to support GCN species populations and habitats		
NFWPCAS Goal Number	NWF General Adaptation Strategy	TN Adaptation Option
1	Protect key ecosystem features	Manage instream flows to mimic ecologically relevant portions of the hydrograph. Evaluate flow management alternatives to abate shifts in seasonal timing and duration of precipitation.
1	Protect key ecosystem features	Identify and protect headwater sections of priority watersheds to improve adaptive capacity of overall stream network.
1	Restore structure and function	Encourage expansion of riparian buffers and the restoration of floodplain areas to ameliorate effects of extreme precipitation events, including reducing erosion and excess sedimentation.
1	Restore structure and function	Invest in riparian and isolated wetlands restoration to provide water storage, base flow augmentation, and habitat.
1	Restore structure and function	When appropriate, install physical structures to engineer functional stream design and/or stabilize key habitat features.
1	Restore structure and function	Utilize management techniques that maintain or re-connect floodplain spawning habitat in changing precipitation regimes.
1	Ensure connectivity	Restore longitudinal connectivity within river systems wherever feasible to improve the adaptive capacity of systems to shifting precipitation regimes and facilitate natural migrations of species to new habitats.
2	Relocate organisms	When appropriate, facilitate species movement to new habitat locations.

Appendix J: Preliminary adaptation options for different sets of priority species and habitats

I. Maintain and improve hydrologic integrity of aquatic systems to support GCN species populations and habitats		
NFWPCAS Goal Number	NWF General Adaptation Strategy	TN Adaptation Option
7	Reduce non-climate stressors	Mitigate the impacts of flow regime changes from existing impervious surfaces and manage development of future impervious surfaces to reduce increased run-off in high precipitation events and the negative impacts to base flow conditions.
7	Reduce non-climate stressors	Utilize advance planning and collaborations to prevent negative impacts from drinking water, agricultural, and industrial withdrawals on ecologically important components of stream and river hydrographs, particularly low flow and extreme low flow events related to drought.
7	Reduce non-climate stressors	Reduce development footprints in floodplains, and consider where floodplain expansions may occur to reduce vulnerabilities and protect against increased magnitude and frequency of flood events.
7	Reduce non-climate stressors	Address potential issues with current infrastructure capacities for managing more frequent and intense precipitation, including large dam facilities, municipal stormwater and wastewater management systems.
7	Reduce non-climate stressors	Address potential conflicts with flow-related pollutant discharges (e.g., municipal and industrial wastewater NPDES permit allocations) and changes to river and stream assimilative capacities.

Appendix J: Preliminary adaptation options for different sets of priority species and habitats

II. Maintain and improve suitable breeding habitat for migratory birds in Tennessee in collaboration with regional partners across their range		
NFWPCAS Goal Number	NWF General Adaptation Strategy	TN Adaptation Option
1	Restore structure and function	Encourage expansion of riparian buffers and the restoration of floodplain areas to improve availability of breeding habitats and food resources.
1	Restore structure and function	Evaluate potential for reservoir draw-down management timing to improve habitat for migratory shorebirds.

III. Maintain and increase, as appropriate, the quality and abundance of amphibian breeding habitats		
NFWPCAS Goal Number	NWF General Adaptation Strategy	TN Adaptation Option
1	Protect key ecosystem features	Ensure key wetland habitats have proper forest vegetation cover to buffer against over-drying or untimely drying of breeding habitats.
1	Protect key ecosystem features	Conduct research to identify critical shifts in habitat suitability that may be influenced by precipitation timing & duration changes.
1	Restore structure and function	Evaluate potential for appropriately designed and sited artificial breeding habitats for appropriate species, including considerations of local spatial heterogeneity and species-specific habitat needs.
1	Restore structure and function	Develop monitoring designs to address knowledge gaps in habitat usage and inform adaptive management practices, particularly for 3 to 4 species which utilize sphagnum moss.
2	Support evolutionary potential	Improve understanding of amphibian species adaptive capacity across their ranges to better inform potential conservation actions. Identify species with greater/lesser adaptive capacity in different geographic settings, including how seeps and springs may serve as refugia.

Appendix J: Preliminary adaptation options for different sets of priority species and habitats
WARMING TEMPERATURES

IV. Protect and maintain, where feasible, cold water stream habitat in support of eastern brook trout populations		
NFWPCAS Goal Number	NWF General Adaptation Strategy	TN Adaptation Option
1	Protect refugia	Protect & manage current and anticipated thermal refugia, primarily on state and federal public lands.
1	Protect key ecosystem features	Protect natural flow regimes in priority habitats.
1	Ensure connectivity	Evaluate, improve, and maintain latitudinal connectivity in brook trout streams to facilitate natural migration of individuals over time.
7	Reduce non-climate stressors	Execute monitoring to evaluate the potential competitive advantage gained by other trout as water temperatures warm.
7	Reduce non-climate stressors	Execute monitoring to evaluate whether pathogen impacts worsen as water temperatures warm.

Appendix J: Preliminary adaptation options for different sets of priority species and habitats

V. Conserve high elevation (>6000 ft) sites and monitor for potential forest type transition, managing for structure, function, and species migration changes as feasible.		
NFWPCAS Goal Number	NWF General Adaptation Strategy	TN Adaptation Option
2	Support evolutionary potential	<p>Conduct research and monitoring programs to address the following types of questions:</p> <ul style="list-style-type: none"> • Develop working hypotheses of potential forest habitat transition states under warming temperatures. • Monitor change in forest community in the field to assess if/how transitions are occurring. • Use monitoring information to inform management decisions to facilitate transition or invest in persistence strategies.
2	Support evolutionary potential	Establish monitoring programs for priority species such as northern flying squirrel, rock vole, and GCN salamander species to track changes in population status and distributions.
2	Support evolutionary potential	Maintain genotypes and restore populations of high value species such as red spruce (<i>Picea rubens</i>).
7	Reduce non-climate stressors	Control negative impacts of invasive species such as wild hogs and non-native plants which damage habitat, disrupt seedbanks, and reduce the overall adaptive capacity of the native forest system.

Appendix J: Preliminary adaptation options for different sets of priority species and habitats

VI. Maintain stable populations of GCN species experiencing pathogen outbreaks through protection and management of diverse habitats, monitoring and treating pathogen impacts			
NFWPCAS Goal Number	Faunal group or Habitat type	NWF General Adaptation Strategy	TN Adaptation Option
1	Amphibians & reptiles	Protect key ecosystem features	Ensure key wetland & riparian habitats have proper forest vegetation cover to buffer against reductions in overall habitat.
1	Amphibians & reptiles	Protect refugia	Evaluate potential for protecting discrete populations of species across their geographic ranges in locations with higher local resilience attributes.
7	Amphibians & reptiles	Reduce non-climate stressors	<p>Conduct research to address outstanding knowledge gaps, including:</p> <ul style="list-style-type: none"> • Do infections advance when the animal is thermally or under stressful moisture conditions? • Are there management actions which may be effective to abate stress and reduce infection severity? • How will the spread and intensity of disease outbreaks change in different temperature and precipitation conditions?
7	Amphibians & reptiles	Reduce non-climate stressors	Monitor populations for disease presence and severity, and tract for presence of emerging pathogens.
7	Amphibians & reptiles	Reduce non-climate stressors	Support efforts to regulate introduction of pathogens through domestic and international pet trades.
1	Forest habitats & target tree species	Protect refugia	Identify and manage refugia for species as appropriate (i.e. Tennessee Hemlock Conservation Plan).
7	Forest habitats & target tree species	Reduce non-climate stressors	<p>Conduct research and monitoring efforts to address questions such as the following:</p> <ul style="list-style-type: none"> • What will be the interaction of pest/pathogen spread and changing temperature conditions? • What are the landscape-scale effects of pest/pathogen spread on forest types and structure? • What may be the effects of the matrix landscape around infection areas in terms of survival rates? • What pest/pathogen management techniques may be successful in reducing negative impacts?

Appendix J: Preliminary adaptation options for different sets of priority species and habitats

VI. Maintain stable populations of GCN species experiencing pathogen outbreaks through protection and management of diverse habitats, monitoring and treating pathogen impacts			
NFWPCAS Goal Number	Faunal group or Habitat type	NWF General Adaptation Strategy	TN Adaptation Option
1	Cave hibernating bats	Protect key ecosystem features	Protect forested habitats and buffers around known hibernacula to abate potential influences of warming ambient air temperatures on internal cave temperature dynamics.
7	Cave hibernating bats	Reduce non-climate stressors	<p>Conduct research to address outstanding knowledge gaps, including:</p> <ul style="list-style-type: none"> Increasing our understanding of bat behavioral responses when they break hibernation because of infection Is the use of current hibernacula on the decline – are bats moving to new locations? What are the effects of ambient air temperature increases on <i>Pseudogymnoascus destructans</i> when bats are not hibernating?

Tennessee State Wildlife Action Plan 2015

Appendix K - Crosswalk of the TN-SWAP Specific Conservation Actions to the USFWS TRACS Reporting System Category (Level 1) and Strategy (Level 2) hierarchy

Appendix K: Crosswalk of the TN-SWAP Specific Conservation Actions to the **USFWS TRACS Reporting System** Category (Level 1) and Strategy (Level 2) hierarchy.

TRACS Cat (L1)	TRACS Strategy (L2)	TRACS Unit	TN-SWAP Specific Conservation Action
Coordination and administration	Incentives	number	Utilize government funded incentive programs to encourage private landowners to restore and/or protect native forest systems for target species in critical units of aquatic, subterranean, or terrestrial habitats.
		number	Utilize government funded incentive programs to encourage private landowners to protect water quality for target species in critical units of aquatic, subterranean, or terrestrial habitats.
Direct management of natural resources	Create new habitat or natural processes	acres	Restore pastures and other agricultural lands to appropriate natural ecological systems in or near critical units of aquatic, subterranean, and terrestrial habitats.
		acres	Restore degraded/converted wetland systems within critical units of aquatic, subterranean, and terrestrial habitats.
	Dam & barrier removal	structures	Remove or modify physical barriers that disrupt habitat/population connectivity for target species within critical units of aquatic, subterranean and terrestrial habitats.
	Fire management	acres	Reintroduce fire via prescribed burning in fire-dependent grassland & woodland systems within critical units of terrestrial habitats.
	Hazard or infrastructure removal	acres	Reclaim abandoned coal mines and streams affected by acid mine drainage within critical units of aquatic, subterranean, and terrestrial habitats.
	Instream modification	miles	Restore in-stream flows and physical structure to channelized or impounded streams within critical units of aquatic, subterranean, and terrestrial habitats.
	Invasive species control	acres	Implement integrated pest management practices to control or prevent invasive exotic species and pathogens from key populations of target specie sand critical units of aquatic, subterranean, and terrestrial habitats.

Appendix K: Crosswalk of the TN-SWAP Specific Conservation Actions to the **USFWS TRACS Reporting System** Category (Level 1) and Strategy (Level 2) hierarchy.

TRACS Cat (L1)	TRACS Strategy (L2)	TRACS Unit	TN-SWAP Specific Conservation Action
	Vegetation management	acres	Restore degraded forests and pine plantations to appropriate natural ecological systems in or near critical units of aquatic, subterranean, and terrestrial habitats.
	Wildlife damage management	interventions	Install exclusionary devices (e.g. gates, barriers, trespass detection equipment, etc.) to limit access to critical units of aquatic, subterranean, or terrestrial habitats for target species vulnerable to human disturbance.
Data collection and analysis	Research, survey or monitoring - fish and wildlife populations	projects	Conduct scientific surveys to discern the geographical distributions of lesser known target species.
		projects	Conduct research on life history and ecological needs of target species to establish guidelines for determining population viability.
		projects	Develop a monitoring program to measure bioaccumulation of contaminants in target species (e.g. fish, mussels, turtles, birds, bats, etc).
	Research, survey or monitoring - habitat	projects	Conduct research on problems (i.e. stresses and sources of stress) affecting target species and habitats.
Land & water rights acquisition	Land acquisition	acres	Use federal/state/private funding sources to acquire critical units of aquatic, subterranean and terrestrial habitats which provide species protection, buffering, connectivity, and/or perpetuation of natural processes.
		acres	Use federal/state/private funding sources to acquire permanent easements within critical units of aquatic, subterranean and terrestrial habitats which provide species protection, buffering, connectivity, and/or perpetuation of natural processes.
Outreach	Partner/stakeholder engagement	number	Develop strategic alliance with Farm Bureau, Natural Resources Conservation Service, Farm Services Agency, TN Division of Water Resources, Cooperative Extension, and other institutions to improve agricultural and animal production industries that affect target species and habitats.

Appendix K: Crosswalk of the TN-SWAP Specific Conservation Actions to the **USFWS TRACS Reporting System** Category (Level 1) and Strategy (Level 2) hierarchy.

TRACS Cat (L1)	TRACS Strategy (L2)	TRACS Unit	TN-SWAP Specific Conservation Action
		number	Develop a multi-media public outreach campaign to promote the availability of government-funded incentive programs to private landowners.
		number	Develop strategic alliance with U.S. Army Corps of Engineers, TN Valley Authority, water utility boards, and other institutions to address water management issues that affect target species and habitats.
		number	Develop faunal and/or habitat working groups (e.g. bat working group, cave working group, Partners in Flight/TN Ornithological Society working group, etc.) composed of academics, government and non-government biologists, & others to identify research issues, conduct research, fill data gaps, and disperse scientific information.
		number	Develop multi-agency network of professional aquatic biologists to assist TN Division of Water Resources in gathering documentation and supporting evidence to enforce existing water quality laws.
		number	Develop standards for instream flow regimes that establish water levels required for target species during critical periods and for maintenance of habitat quality.
		number	Develop a multi-media public outreach campaign to promote awareness of the negative effects of invasive exotic species.
Planning	Land use planning	plans	Participate in the review and/or revision of county urban growth management plans.
		plans	Encourage municipal and county governments to adopt zoning ordinances that limit or regulate development within critical units of aquatic, subterranean, and terrestrial habitats.
	Organizational strategic & CMS planning	plans	Develop/participate in regional conservation planning initiatives sponsored by federal and state agencies (e.g. TDEC Recreation Management Plan, State Park planning, State Forest planning, TWRA regional planning, USFWS Joint Venture Planning, TVA Reservoir Operations study, etc.).

Appendix K: Crosswalk of the TN-SWAP Specific Conservation Actions to the **USFWS TRACS Reporting System** Category (Level 1) and Strategy (Level 2) hierarchy.

TRACS Cat (L1)	TRACS Strategy (L2)	TRACS Unit	TN-SWAP Specific Conservation Action
		plans	Develop/participate in regional planning initiatives sponsored by non-governmental organizations or public/private partnerships (e.g. TNC ecoregional planning, WWF watershed planning, Cumberland Region Tomorrow-Community Quality Growth Planning, Partners in Flight, Audubon-Important Bird Areas, Habitat Conservation Plans, etc.).
		plans	Develop and implement conservation plans for all public/private conservation areas across the state based on ecosystem-level management principles.
	Species and habitat management planning	plans	Develop/participate in regional conservation planning initiatives sponsored by federal and state agencies (e.g. TDEC Recreation Management Plan, State Park planning, State Forest planning, TWRA regional planning, USFWS Joint Venture Planning, TVA Reservoir Operations study, etc.).
		plans	Develop/participate in regional planning initiatives sponsored by non-governmental organizations or public/private partnerships (e.g. TNC ecoregional planning, WWF watershed planning, Cumberland Region Tomorrow-Community Quality Growth Planning, Partners in Flight, Audubon-Important Bird Areas, Habitat Conservation Plans, etc.).
Species re-introduction and stocking	Native species restoration	animals	Continue funding and staffing support for a freshwater mollusc propagation facility to increase populations of mussels and aquatic snails for habitat reintroduction.
		animals	Utilize federal/state funding sources (e.g. USFWS Section 6 Recovery Plan funding, etc.) to reintroduce extirpated and historic populations of priority species to appropriate habitats across the state.
Technical assistance	Environmental review	reviews	Encourage TN Valley Authority and U.S. Army Corps of Engineers to review policies and regulations regarding operation of dams/impoundments or other water diversionary structures that affect target species and habitats.

Appendix K: Crosswalk of the TN-SWAP Specific Conservation Actions to the **USFWS TRACS Reporting System** Category (Level 1) and Strategy (Level 2) hierarchy.

TRACS Cat (L1)	TRACS Strategy (L2)	TRACS Unit	TN-SWAP Specific Conservation Action
		reviews	Participate in environmental review procedures to prevent/mitigation construction of dams, impoundments, drainage ditches, levees, storm water culverts, and other water diversionary structures that affect target species in critical units of aquatic, subterranean, or terrestrial habitats.
		reviews	Participate in environmental review procedures to prevent/mitigate coal mining and oil & natural gas drilling activities that affect target species in critical units of aquatic, subterranean, and terrestrial habitats.
		reviews	Encourage the Federal Office of Surface Mining to designate critical units of aquatic, subterranean, and terrestrial habitats as “lands unsuitable for mining” under current federal policy guidelines.
	Technical assistance	assists	Develop more stringent standards for forestry "best management practices" based on regional differences in landform and habitats.
		assists	Encourage adoption of more stringent sustainable forestry practices on state forests and other public lands that contain critical units of aquatic, terrestrial, and subterranean habitats.
		assists	Expand network of trained volunteers to conduct various types of environmental monitoring for target species and habitats (e.g. Adopt a Stream program, PIF bird counts, etc.).
		plans	Develop and implement conservation plans for all public/private conservation areas across the state based on ecosystem-level management principles.