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

<u>Assessing Conservation Status</u>

- 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

<u>Habitat Classification Standards and Systems</u>

- 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.

<u>SWAP Ease of Use and Accessibility</u>

- 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.

<u>Partnerships</u>

- 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.

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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

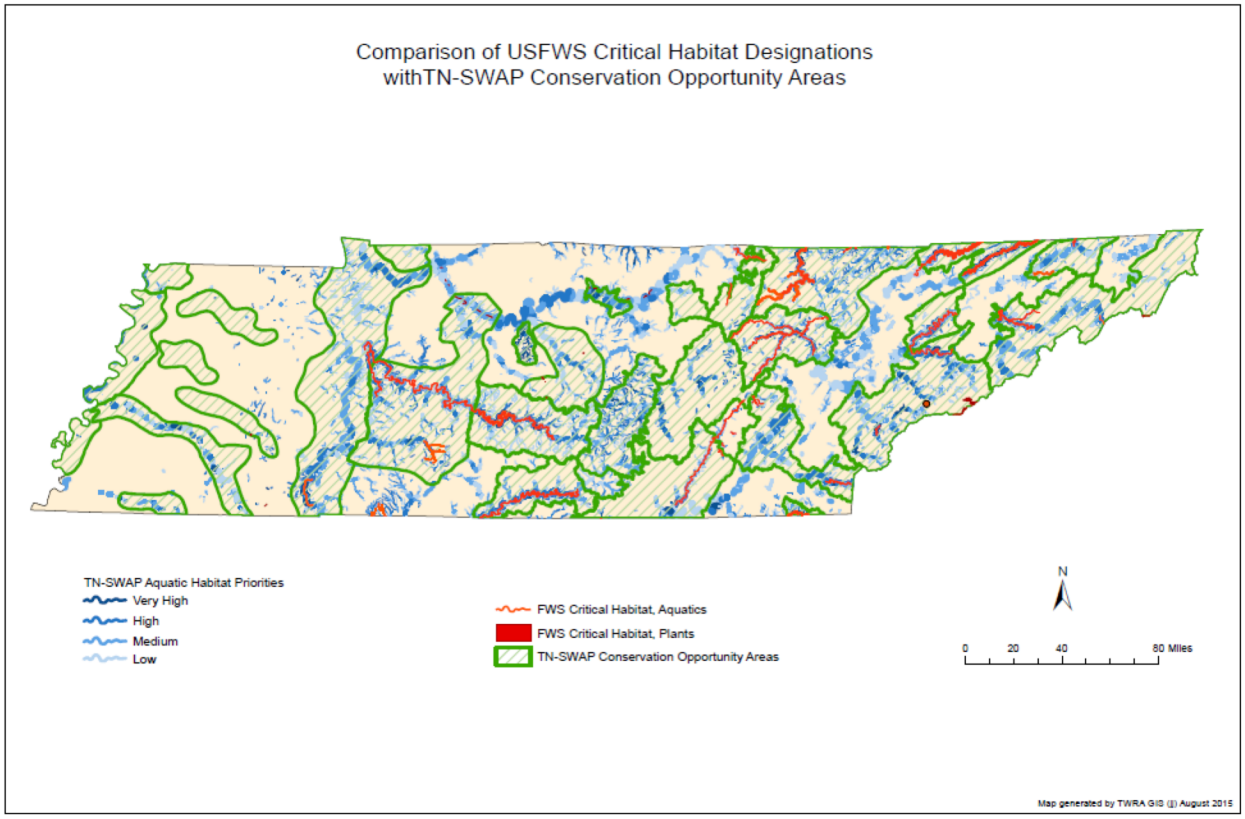
Comment: We appreciate that this version of the TN-SWAP includes plants and mollusk host species.
TWRA Response: Thank you. The explanation for these inclusions in the update is found in Chapter 3, section 3.1.

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.



<u>Comments regarding federal status for species</u> 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 pearlymussel, *Pleuronaia dolabelloides*, is listed federally endangered (with critical habitat designated). The spreadsheet indicates this species as a federal candidate.

Fluted kidneyshell, *Ptychobranchus 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 NRRA.

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 been 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."

<u>TWRA response to comments by D. Ray, OSI:</u> 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 been 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.

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

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

Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	SWAP Tier
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.	(a cave two-clawed spider)	G1G2	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	Microhexura montivaga	Spruce-fir Moss Spider	G1	S1	LE		2
Arachnid	Nemasatosoma sp.	harvestmen	G?	S?			2
Arachnid	Nesticus barri	(a cave obligate spider)	G3	S3			2
Arachnid	Nesticus barrowsi	(a cave obligate spider)	G1G2	S1S2			2
Arachnid	Nesticus dilutus	Grassy Creek Cave Spider	G1	S1			2
Arachnid	Nesticus furtivus	Crystal Caverns Cave Spider	G1	S1			2
Arachnid	Nesticus paynei	(a cave obligate spider)	G3G4	S3			2
Arachnid	Nesticus pecki	Peck’s cave spider	G1	S?			2
Arachnid	Nesticus stygius	(a cave obligate spider)	G1G2	S1S2			2
Arachnid	Nesticus tennesseensis	(a spider)	G3G4	S2S4			2
Arachnid	Nesticus valentinei	Valentine's Cave Spider	G1G2	S1S2	MC		2
Arachnid	Oreonetides sp.	cave sheet-web spiders	G1	S?			2
Arachnid	Phalangodes appalachius	Appalachian Cave Harvestman	G3G4	S3			2
Arachnid	Phalangodes sp.	cave harvestmen	G2	S?			2
Arachnid	Phanetta subterranea	Subterranean sheet-web spider	G5	S?			2
Arachnid	Poecilophysis weyerensis	(a cave mite)	G3?	S2S3			2
Arachnid	Porrhomma cavernicola	Appalachian Cave Spider	G5	S1?			2
Arachnid	Rhagidia species s. latu	(a mite)	G?	S?			2
Arachnid	Theromaster sp. 1	(a cave obligate harvestman)	G1	S1			2
Arachnid	Tolus sp.	(a harvestman)	G?	S?			2
Arachnid	Tyrannochthonius fiskei	(a cave obligate pseudoscorpion)	G1	S1			2
Arachnid	Tyrannochthonius halopotamus	Salt River cave pseudoscorpion	G1	S?			2
Arachnid	Tyrannochthonius steevesi	(a cave obligate pseudoscorpion)	G1	S1			2
Bat	Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S3		D	1
Bat	Corynorhinus townsendii virginianus	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	Myotis austroriparius	Southeastern Bat	G3G4	S3			1
Bat	Myotis grisescens	Gray Bat	G3	S2	LE	E	3
Bat	Myotis leibii	Eastern Small-footed Bat	G1G3	S2S3		D	1
Bat	Myotis lucifugus	Little Brown Bat	G5	S5			1
Bat	Myotis septentrionalis	Northern Myotis	G4	S4	LT		3
Bat	Myotis sodalis	Indiana Bat	G2	S1	LE	E	3
Bat	Perimyotis subflavus	Tri-colored Bat	G5	S5			1
Bird	Accipiter striatus	Sharp-shinned Hawk	G5	S3B, S4N	No Status	D	1
Bird	Aegolius acadicus	Northern Saw-whet Owl	G5	S1		T	1
Bird	Ammodramus henslowii	Henslow's Sparrow	G4	S1B		D	1
Bird	Ammodramus leconteii	LeConte's Sparrow	G4	S1N			1
Bird	Ammodramus savannarum	Grasshopper Sparrow	G5	S4	(PS)		1
Bird	Anas rubripes	American Black Duck	G5	S3S4N			1
Bird	Aquila chrysaetos	Golden Eagle	G5	S1		T	1
Bird	Ardea alba	Great Egret	G5	S2B, S3N		D	1
Bird	Asio flammeus	Short-eared Owl	G5	S3N			1
Bird	Bartramia longicauda	Upland Sandpiper	G5	SXB?			1
Bird	Bonasa umbellus	Ruffed Grouse	G5	S4			1
Bird	Botaurus lentiginosus	American Bittern	G4	S1			1
Bird	Calidris canutus	Red Knot	G5	S2N			1
Bird	Calidris himantopus	Stilt Sandpiper	G5	S3N			1
Bird	Calidris mauri	Western Sandpiper	G5	S4N			1
Bird	Calidris pusilla	Semipalmated Sandpiper	G5	S4N			1
Bird	Caprimulgus carolinensis	Chuck-will's-widow	G5	S3S4			1
Bird	Caprimulgus vociferus	Whip-poor-will	G5	S3S4			1
Bird	Cardellina canadensis	Canada Warbler	G5	S3B, S4N			1
Bird	Certhia americana	Brown Creeper	G5	S2B, S4N			1
Bird	Chaetura pelagica	Chimney Swift	G5	S5			1
Bird	Charadrius alexandrinus	Snowy Plover	G4	S?	(PS:LT)		3
Bird	Charadrius melodus melodus	Piping Plover	G3	S2N	(LE:LT)		3
Bird	Charadrius wilsonia	Wilson's Plover	G5	S?			1
Bird	Chordeiles minor	Common Nighthawk	G5	S4			1
Bird	Circus cyaneus	Northern Harrier	G5	S4N			1
Bird	Cistothorus platensis	Sedge Wren	G5	S3N, SPB			1
Bird	Colinus virginianus	Northern Bobwhite	G5	S2S3	(PS)		1
Bird	Contopus cooperi	Olive-sided Flycatcher	G4	S1		D	1
Bird	Egretta caerulea	Little Blue Heron	G5	S2B, S3N		D	1
Bird	Empidonax alnorum	Alder Flycatcher	G5	S1			1

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

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

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

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

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

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

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

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

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

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

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

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

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Gastropod	Vertigo clappi	Cupped Vertigo	G1G2	S1			1
Gastropod	Vertigo parvula	Smallmouth Vertigo	G3	S2S3			1
Gastropod	Vertigo teskeyae	Swamp Vertigo	G5	S1			1
Gastropod	Webbhelix multilineata	Striped Whitelip	G5	S2			1
Gastropod	Xolotrema obstrictum	Sharp Wedge	G3	S5			1
Gastropod	Zonitoides lateumbilicatus	Striate Gloss	G3G4	S2?			1
Insect	Acrotrichis lucidula	Feather-winged Beetle	G2G3	SE1?			2
Insect	Agarodes stannardi	Stannard's Agarodes Caddisfly	GNR	SP	MC		2
Insect	Aleochara lucifuga	(a rove beetle)	G4	S?			2
Insect	Aleochara sp.	(a rove beetle)	G?	S?			2
Insect	Allocapnia brooksi	Sevier Snowfly	G2	S2			2
Insect	Allocapnia cunninghami	Karst Snowfly	G1G2	S1			2
Insect	Allocapnia fumosa	Smokies Snowfly	G2	S3?			2
Insect	Allocapnia perplexa	Perplexing Snowfly	G1	S1			2
Insect	Aloconota diversiseta	(a rove beetle)	G1	S1			2
Insect	Aloconota insecta	(a rove beetle)	G4	S?			2
Insect	Aloconota laurentiana	(a rove beetle)	G4	S?			2
Insect	Amblyscirtes linda	Linda's Roadside Skipper	G2G3	S2			2
Insect	Amphinemura mockfordi	Tennessee Forestfly	G2	S2?			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	Anillinus sp. 5	Flag Trail Cave Beetle	G1	S1			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.	(a cave obligate springtail)	G1	S1			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 lucifuga	Light Shunning Rove Beetle	G4	S2			2

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Insect	Atheta sp.	(a rove beetle)	G?	S?			2
Insect	Atheta troglophila	(a troglophilic rove beetle)	G4	S?			2
Insect	Atranus pubescens	(a ground beetle)	G4	S?			2
Insect	Batriasymmodes jeanneli	(a cave obligate beetle)	G3	S1S2			2
Insect	Batriasymmodes quisnamus	(a cave obligate beetle)	G3	S3			2
Insect	Batriasymmodes spelaeus	(a cave obligate beetle)	G3G4	S2?			2
Insect	Batrisodes barri	(a cave obligate beetle)	G1G2	S1S2			2
Insect	Batrisodes clypeospecus	(a cave obligate beetle)	G1G2	S1S2			2
Insect	Batrisodes ferulifer	(a cave obligate beetle)	G1	S1			2
Insect	Batrisodes gemmoides	(a cave obligate beetle)	G1	S1			2
Insect	Batrisodes gemmus	(a cave obligate beetle)	G1	S1			2
Insect	Batrisodes pannosus	(a cave obligate beetle)	G1	S1			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	Batrisodes valentinei	(a cave obligate beetle)	G2G4	S3S4			2
Insect	Bembidion lacunarium	ground beetle	G4	S?			2
Insect	Callophrys irus	Frosted Elfin	G3	S2S3			2
Insect	Catops gratiosus	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?			2
Insect	Ceuthophilus sp.	cave crickets	G?	S?			2
Insect	Ceuthophilus stygius	cave cricket	G4	S?			2
Insect	Cheumatopsyche helma	Helma's Net-spinning Caddisfly	G3	S1S3			2
Insect	Cicindela ancocisconensis	(a tiger beetle)	G3	S2			2
Insect	Darlingtonea kentuckensis	(a ground beetle)	G3G4	S1?			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 sp. 2 nr. macrochaeta	(a cave obligate springtail)	G1	S1			2
Insect	Folsomia stella	Stellate springtail	G4	S?			2
Insect	Glyphopsyche sequatchie	Sequatchie Caddisfly	G1	S1	C		2
Insect	Gomphus consanguis	Cherokee Clubtail	G3	S1			2

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

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

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

Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	SWAP Tier
Insect	Pseudosinella cf. christianseni	(a cave springtail)	G?	S?			2
Insect	Pseudosinella cf. gisini	(a cave springtail)	G?	S?			2
Insect	Pseudosinella cf. nata	(a cave springtail)	G?	S?			2
Insect	Pseudosinella christianseni	Christiansen's Cave Springtail	G5	S2			2
Insect	Pseudosinella collina	(a springtail)	G3G4	S?			2
Insect	Pseudosinella hirsuta	Hirsute Cave Springtail	G5	S3			2
Insect	Pseudosinella orba	(a cave obligate springtail)	G3G4	S2			2
Insect	Pseudosinella pecki	Peck’s cave springtail	G2	S?			2
Insect	Pseudosinella sp.	(a springtail)	G?	S?			2
Insect	Pseudosinella sp. 5	Swamp River Cave Pseudosinella	G1	S1			2
Insect	Pseudosinella sp. 6	(a cave obligate springtail)	G1	S1			2
Insect	Pseudosinella sp. 7 nr. Nata	(a cave obligate springtail)	G1	S1			2
Insect	Pseudosinella spinosa	Spinose Cave Springtail	G5	S2			2
Insect	Pseudosinella undescribed sp. near espanita	cave springtail	G1	S?			2
Insect	Psyllipsocus ramburi	(a cave barklice)	G4	S?			2
Insect	Ptomaphagus barri	(a cave obligate beetle)	G2G3	S1S2			2
Insect	Ptomaphagus chromolithus	(a cave obligate beetle)	G2G3	S1			2
Insect	Ptomaphagus fecundus	(a cave obligate beetle)	G1	S1			2
Insect	Ptomaphagus hatchi	Hatch’s cave fungus beetle	G3	S3?			2
Insect	Ptomaphagus hubrichti	(a cave obligate beetle)	G2G3	S1			2
Insect	Rhadine caudata	ground beetle	G4	S?			2
Insect	Sciara sp.	fungus gnats	G?	S?			2
Insect	Semiothisa fraserata	Fraser Fir Geometrid Moth	G2?	S2?			2
Insect	Sensillanura barberi	Barber's Springtail	G4	S?			2
Insect	Sinella basidens	(a cave obligate springtail)	G3G4	S1?			2
Insect	Sinella cavernarum	(a springtail)	G5	S3			2
Insect	Speleochus steevesi	(a cave obligate beetle)	G?	S?			2
Insect	Speleochus undescribed species	(a beetle)	G?	S?			2
Insect	Spelobia tenebrarum	Cave dung fly	G5	S?			2
Insect	Speyeria diana	Diana Fritillary	G3G4	S3			2
Insect	Stenonema sinclairi	(a mayfly)	G2	S2			2
Insect	Stenoponia americana	flea	G5	S?			2
Insect	Subterrochus ferus	cave ant beetle	G1G2	S?			2
Insect	Subterrochus sp.	cave ant beetles	G1	S?			2
Insect	Tomocerus bidentatus	Two-toothed springtail	G4	S?			2
Insect	Tomocerus dubius	springtail	G4	S?			2
Insect	Tomocerus flavescens	Golden springtail	G5	S?			2
Insect	Tomocerus missus	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 milliped)	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	Delophon holti	Hamblen County Millipede	GNR	S1			2
Millipede	Ophyiulus pilosus	(a millipede)	G?	S?			2
Millipede	Pseudotremia acheron	(a cave obligate millipede)	G1G2	S1			2
Millipede	Pseudotremia cercops	(a cave obligate millipede)	G1	S1			2
Millipede	Pseudotremia deprehendor	(a cave obligate millipede)	G2G3	S1?			2
Millipede	Pseudotremia eburnea	(a cave obligate millipede)	G2G4	S?			2
Millipede	Pseudotremia garlandae	Garland's Cave Millipede	G1	S1			2
Millipede	Pseudotremia lethe	(a cave obligate millipede)	G1	S1			2
Millipede	Pseudotremia lictor	(a cave obligate millipede)	G1	S1			2
Millipede	Pseudotremia manni	Mann's Cave Millipede	G1	S1			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 rhadamanthus	(a cave obligate millipede)	G1G2	S1			2
Millipede	Pseudotremia roebuckorum	Roebuck's Cave Millipede	G1	S1			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	Holliday’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	Pseudotremia valga	(a cave obligate millipede)	G1G2	S1?			2
Millipede	Pseudotremia wallaceae	Wallace's Cave Millipede	G1	S1			2
Millipede	Scoterpes blountensis	(a cave obligate millipede)	G?	S?			2
Millipede	Scoterpes copei	(a cave obligate millipede)	G3G4Q	S1			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?			2
Millipede	Scoterpes ventus	Eastern Tennessee Cave Millipede	G3	S1			2
Millipede	Tetracion jonesi	(a cave obligate millipede)	G3G4	S1S2			2

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	SWAP Tier
Reptile	Apalone mutica	Smooth Softshell Turtle	G5	S4			1
Reptile	Clonophis kirtlandii	Kirtlands Snake	G2	S1			1
Reptile	Coluber flagellum	Coachwhip	G5	S2S3?			1
Reptile	Crotalus horridus	Timber Rattlesnake	G4	S4			1
Reptile	Glyptemys muhlenbergii	Bog Turtle	G3	S1	SAT	T	1
Reptile	Heterodon platirhinos	Eastern Hognosed Snake	G5	S4			1
Reptile	Macrochelys temminckii	Alligator Snapping Turtle	G3G4	S2S3		D	1
Reptile	Nerodia cyclopion	Mississippi Green Watersnake	G5	S2		D	1
Reptile	Nerodia erythrogaster flavigaster	Yellowbelly Water Snake	G5T5	HYB			1
Reptile	Nerodia erythrogaster neglecta	Copperbelly Watersnake	G5T3	S2S3	No Status		3
Reptile	Ophisaurus attenuatus longicaudus	Eastern Slender Glass Lizard	G5T5	S3		D	1
Reptile	Pituophis melanoleucus melanoleucus	Northern Pinesnake	G4T4	S3		T	1
Reptile	Plestiodon anthracinus	Coal Skink	G5	S1		D	1
Reptile	Sistrurus miliarius streckeri	Western Pygmy Rattlesnake	G5T5	S2S3		T	1
Reptile	Terrapene carolina	Eastern Box Turtle	G5	S4			1
Reptile	Thamnophis proximus	Western Ribbonsnake	G5	S4S5			1
Reptile	Virginia striatula	Rough Earth Snake	G5	S2S3?			1
Roundworm	Cambarincola alienus	(a cave obligate roundworm)	G1G2	S1			2
Roundworm	Cambarincola leptadenus	(a cave obligate roundworm)	G1G2	S1			2
Roundworm	Cambarincola marthae	(a cave obligate roundworm)	G1G2	S1			2
Roundworm	Eremidrilus allegheniensis	(a cave obligate roundworm)	G1G2	S1S2			2
Tardigrade	Calohypsibius schusteri	Schuster's Tardigrade	GNR	S1			2
Tardigrade	Hypsibius roanensis	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	Nycticorax nycticorax	Black-crowned Night-heron	G5	S2S3B		
1	Bird	Porphyrula martinica	Purple Gallinule	G5	S1B		
1	Bird	Rallus limicola	Virginia Rail	G5	S1B, S3N		
1	Bird	Sturnella magna	Eastern Meadowlark	G5	S5		
1	Bivalve	Actinonaias ligamentina	Mucket	G5	S4		
1	Bivalve	Anodontoides denigratus	Cumberland Papershell	G1	SSYN	MC	
1	Bivalve	Lampsilis siliquoidea	Fatmucket	G5	S2		
1	Bivalve	Lasmigona sp. 1 cf. holstonia	Barrens Bankclimber	GNR	S1		
1	Bivalve	Pleurobema chattanoogaense	Painted Clubshell	G1Q	S1?		
1	Bivalve	Simpsonaias ambigua	Salamander Mussel	G3	S1		
1	Bivalve	Venustaconcha sima	(a mussel)	G?	S?		
1	Bivalve	Villosa iris	Rainbow	G5	S5		
1	Bivalve	Villosa vanuxemensis	Mountain Creekshell	G4	S4		
1	Crustacean	Acanthocyclops parasensitivus	(a copepod)	G2	S?		
1	Crustacean	Bactrurus undescribed sp.	groundwater amphipod	G1	S?		
1	Crustacean	Bryocamptus (Limocamptus) sp.	copepods	G1	S?		
1	Crustacean	Caecidotea bicrenata	(a cave obligate isopod)	G5	SR		
1	Crustacean	Caecidotea bicrenata bicrenata	(a cave obligate isopod)	G3G4T3T4	SR		
1	Crustacean	Caecidotea bicrenata whitei	(a cave obligate isopod)	G3G4T3T4	S1?		
1	Crustacean	Caecidotea richardsonae	Tennessee Valley Cave Isopod	G3G5	SR		
1	Crustacean	Caecidotea sp.	cave isopods	G?	S?		
1	Crustacean	Cambarus clivosus	Short Mountain Crayfish	G2	S2		
1	Crustacean	Cambarus sp?	Obed Crayfish	G1Q	S1?		
1	Crustacean	Cambarus stockeri	Cocoa Crayfish	GNR	S1S2		
1	Crustacean	Cambarus tenebrosus	Cavespring Crayfish	G4	S?		
1	Crustacean	Crangonyx antennatus	Appalachian cave amphipod	G4	S?		
1	Crustacean	Crangonyx sp.	amphipods	G?	S?		
1	Crustacean	Dactylocythere steevesi	(a cave obligate shrimp)	G4	S2S3		
1	Crustacean	Diacyclops nearticus	Nearctic copepod	G3G4	S?		
1	Crustacean	Gammarus minus	Lesser spring amphipod	G5	S?		
1	Crustacean	Haplophthalmus danicus	(a terrestrial cave isopod)	G?	S?		
1	Crustacean	Itocyclops undescribed sp.	cave copepods	G1	S?		
1	Crustacean	Megacyclops donnaldsoni	Donnaldson’s cave copepod	G1	S?		
1	Crustacean	Miktoniscus medcofi	Medcof’s terrestrial isopod	G4	S?		
1	Crustacean	Orconectes barri	Cumberland Plateau Cave Crayfish	G2	S?		
1	Crustacean	Orconectes taylori	Crescent Crayfish	G2	S2		
1	Crustacean	Pseudocandona jeanneli	Jeannel's Cave Ostracod	G1G2	S?		
1	Crustacean	Pseudocandona sp.	groundwater ostracods	G1G2	S?		

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

SWAP Tier	Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status
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	Acrotrichis 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 troglophila	(a troglophilic 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 gratiosus	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 davisi	(a bristletail)	G?	S?		
2	Insect	Litocampa inexspectata	(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	Pseudanophthalmus beakleyi	(a cave obligate beetle)	G3G4	S3		
2	Insect	Pseudanophthalmus cerberus cerberus	(a cave obligate beetle)	G3G4T3T4	S?		
2	Insect	Pseudanophthalmus intermedius	Intermediate cave beetle	G2	S?		
2	Insect	Pseudanophthalmus princeps	(a cave obligate beetle)	G1G2	S?		S1S2
2	Insect	Pseudanophthalmus robustus	(a cave obligate beetle)	G3G4	S3		
2	Insect	Pseudanophthalmus sp.	Keyhole cave beetle	G1	S?		
2	Insect	Pseudanophthalmus sp.	cave ground beetles	G1	S?		

SWAP Tier	Taxa Group	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status
2	Insect	Pseudanophthalmus sp.	(a cave obligate beetle)	G?	S?		
2	Insect	Pseudanophthalmus sp.	Aaron Tolletts cave beetle	G1	S?		
2	Insect	Pseudanophthalmus sp.	Wilmoth cave beetle	G1	S?		
2	Insect	Pseudanophthalmus sp.	Caney Hollow cave ground beetle	G1	S?		
2	Insect	Pseudanophthalmus sp.	Sells cave ground beetle	G2	S?		
2	Insect	Pseudanophthalmus sp.	Baker cave beetle	G1	S?		
2	Insect	Pseudanophthalmus sp. 36	Millers Cave Beetle	GNR	S1?		
2	Insect	Pseudanophthalmus sp. 36	Gunters Cave Beetle	G?	S?		S1?
2	Insect	Pseudanophthalmus sp. A englehardti group	(a cave obligate beetle)	G?	S?		
2	Insect	Pseudanophthalmus sp. B englehardti group	(a cave obligate beetle)	G?	S?		
2	Insect	Pseudanophthalmus sp. B jonesi group	(a cave obligate beetle)	G?	S?		
2	Insect	Pseudosinella aera	(a cave springtail)	G?	S?		
2	Insect	Pseudosinella alba	White springtail	G4	S?		
2	Insect	Pseudosinella cf. christianseni	(a cave springtail)	G?	S?		
2	Insect	Pseudosinella cf. gisini	(a cave springtail)	G?	S?		
2	Insect	Pseudosinella cf. nata	(a cave springtail)	G?	S?		
2	Insect	Pseudosinella collina	(a springtail)	G3G4	S?		
2	Insect	Pseudosinella pecki	Peck’s cave springtail	G2	S?		
2	Insect	Pseudosinella sp.	(a springtail)	G?	S?		
2	Insect	Pseudosinella undescribed sp. near espanita	cave springtail	G1	S?		
2	Insect	Psyllipsocus ramburi	(a cave barklice)	G4	S?		
2	Insect	Ptomaphagus hatchi	Hatch’s cave fungus beetle	G3	S3?		
2	Insect	Rhadine caudata	ground beetle	G4	S?		
2	Insect	Sciara sp.	fungus gnats	G?	S?		
2	Insect	Sensillanura barberi	Barber's Springtail	G4	S?		
2	Insect	Sinella cavernarum	(a springtail)	G5	S3		
2	Insect	Speleochus steevesi	(a cave obligate beetle)	G?	S?		
2	Insect	Speleochus undescribed species	(a beetle)	G?	S?		
2	Insect	Spelobia tenebrarum	Cave dung fly	G5	S?		
2	Insect	Stenoponia americana	flea	G5	S?		
2	Insect	Subterrochus ferus	cave ant beetle	G1G2	S?		
2	Insect	Subterrochus sp.	cave ant beetles	G1	S?		
2	Insect	Tomocerus bidentatus	Two-toothed springtail	G4	S?		
2	Insect	Tomocerus dubius	springtail	G4	S?		
2	Insect	Tomocerus flavescens	Golden springtail	G5	S?		
2	Insect	Tomocerus missus	Relict cave springtail	G4	S?		
2	Insect	Tomocerus sp.	springtails	G1	S?		
2	Insect	Typhlogastrura christianseni	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	Ophyiulus 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	Holliday’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	Anhinga anhinga	Anhinga	G5	S1B		D	1
Bird	Chondestes grammacus	Lark Sparrow	G5	S1B		T	1
Bird	Coccyzus americanus	Yellow-billed Cuckoo	G5	S4S5	(PS)		1
Bird	Contopus virens	Eastern Wood-pewee	G5	S5			1
Bird	Corvus corax	Common Raven	G5	S2		T	1
Bird	Setophaga virens	Black-throated Green Warbler	G5	S5			1
Bird	Elanoides forficatus	Swallow-tailed Kite	G5	SAN	MC		1
Bird	Empidonax virescens	Acadian Flycatcher	G5	S5			1
Bird	Parula americana	Northern Parula	G5	S5			1
Bird	Passerculus sandwichensis	Savannah Sparrow	G5	S1B, S4N			1
Bird	Pooecetes gramineus	Vesper Sparrow	G5	S1B, S4N		D	1
Bird	Regulus satrapa	Golden-crowned Kinglet	G5	S3B, S4N			1
Bird	Sitta canadensis	Red-breasted Nuthatch	G5	S2B, S4N			1
Bird	Spiza americana	Dickcissel	G5	S4			1
Bird	Tyrannus forficatus	Scissor-tailed Flycatcher	G5	S1B, SAN			1
Bird	Vireo flavifrons	Yellow-throated Vireo	G5	S4			1
Bird	Vireo griseus	White-eyed Vireo	G5	S4			1
Bird	Wilsonia citrina	Hooded Warbler	G5	S4			1
Mammal	Lepus americanus	Snowshoe Hare	G5	SR			3
Reptile	Apalone spinifera	Spiny Softshell Turtle	G5	S5			1

Table 4: GCN bird species list in taxonomic order

Common Name	Scientific Name	S_Rank TN[1]
Northern Bobwhite	Colinus virginianus	S2S3
American Bittern	Botaurus lentiginosus	S1
Least Bittern	Ixobrychus exilis	S2B
Great Egret	Ardea alba	S2B, S3N
Little Blue Heron	Egretta caerulea	S2B, S3N
Black-crowned Night-heron	Nycticorax nycticorax	S2S3B
Golden Eagle	Aquila chrysaetos	S1
Mississippi Kite	Ictinia mississippiensis	S2S3
Northern Harrier	Circus cyaneus	S4N
Sharp-shinned Hawk	Accipiter striatus	S3B, S4N
Bald Eagle	Haliaeetus leucocephalus	S3
King Rail	Rallus elegans	S2
Virginia Rail	Rallus limicola	S1B, S3N
Whooping Crane	Grus americana	S?
American Golden-Plover	Pluvialis dominica	S3N
Piping Plover	Charadrius melodus melodus	S2N
Upland Sandpiper	Bartramia longicauda	SXB?
Whimbrel	Numenius phaeopus	S?
Hudsonian Godwit	Limosa haemastica	S?
Marbled Godwit	Limosa fedoa	S?
Red Knot	Calidris canutus	S2N
Stilt Sandpiper	Calidris himantopus	S3N
Buff-breasted Sandpiper	Tryngites subruficollis	S3N
Semipalmated Sandpiper	Calidris pusilla	S4N

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

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

[1]**S_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 (*).

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

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

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

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

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

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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	Old Field / Successional
		Upland Grassland and Herbaceous	Pasture	Pasture
			Cropland	Cropland
			Urban/Suburban Managed Grassland	Urban / Suburban Managed Grassland
		Woody Wetlands and Riparian	Converted/Altered Forested Wetland	Converted Wetland (Lacustrine, Riverine, and Palustrine)
		Sparsely Vegetated	Excavated Land	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)
	Non-Natural	Developed Land	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	Acris gryllus (Southern Cricket Frog)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
Amphibian	Acris gryllus (Southern Cricket Frog)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Amphibian	Acris gryllus (Southern Cricket Frog)	Mississippi River Riparian Forest	Suit					
Amphibian	Acris gryllus (Southern Cricket Frog)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Amphibian	Acris gryllus (Southern Cricket Frog)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Amphibian	Acris gryllus (Southern Cricket Frog)	East Gulf Coastal Plain Northern Seepage Swamp		Pref				
Amphibian	Acris gryllus (Southern Cricket Frog)	Mississippi River Bottomland Depression	Suit					
Amphibian	Acris gryllus (Southern Cricket Frog)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Amphibian	Acris gryllus (Southern Cricket Frog)	South-Central Interior Small Stream and Riparian		Suit				
Amphibian	Acris gryllus (Southern Cricket Frog)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Acris gryllus (Southern Cricket Frog)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Acris gryllus (Southern Cricket Frog)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Amphibian	Ambystoma barbouri (Streamside Salamander)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Amphibian	Ambystoma barbouri (Streamside Salamander)	South-Central Interior Mesophytic Forest			Suit			
Amphibian	Ambystoma barbouri (Streamside Salamander)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg			
Amphibian	Ambystoma barbouri (Streamside Salamander)	Interior Low Plateau Seepage Fen			Suit			
Amphibian	Ambystoma barbouri (Streamside Salamander)	South-Central Interior Small Stream and Riparian			Pref			
Amphibian	Ambystoma barbouri (Streamside Salamander)	South-Central Interior Large Floodplain			Marg			
Amphibian	Ambystoma barbouri (Streamside Salamander)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Amphibian	Ambystoma texanum (Smallmouth Salamander)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Pref			
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Amphibian	Ambystoma texanum (Smallmouth Salamander)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	Marg
Amphibian	Ambystoma texanum (Smallmouth Salamander)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Amphibian	Ambystoma texanum (Smallmouth Salamander)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Amphibian	Ambystoma texanum (Smallmouth Salamander)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Amphibian	Ambystoma texanum (Smallmouth Salamander)	East Gulf Coastal Plain Limestone Forest		Marg				
Amphibian	Ambystoma texanum (Smallmouth Salamander)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Amphibian	Ambystoma texanum (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

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Amphibian	Desmognathus wrighti (Pygmy Salamander)	Southern Appalachian Low-Elevation Pine Forest					Suit	Suit
Amphibian	Desmognathus wrighti (Pygmy Salamander)	Southern Appalachian Montane Pine Forest and Woodland					Suit	Suit
Amphibian	Desmognathus wrighti (Pygmy Salamander)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Amphibian	Desmognathus wrighti (Pygmy Salamander)	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	Suit
Amphibian	Hemidactylium scutatum (Four-toed Salamander)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Amphibian	Hemidactylium scutatum (Four-toed Salamander)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Amphibian	Hemidactylium scutatum (Four-toed Salamander)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Amphibian	Hemidactylium scutatum (Four-toed Salamander)	South-Central Interior Mesophytic Forest			Suit	Suit	Suit	
Amphibian	Hemidactylium scutatum (Four-toed Salamander)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Amphibian	Hemidactylium scutatum (Four-toed Salamander)	Southern Appalachian Oak Forest					Suit	Suit
Amphibian	Hemidactylium scutatum (Four-toed Salamander)	Southern Appalachian Northern Hardwood Forest						Suit
Amphibian	Hemidactylium scutatum (Four-toed Salamander)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Marg	Marg
Amphibian	Hemidactylium scutatum (Four-toed Salamander)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Amphibian	Hemidactylium scutatum (Four-toed Salamander)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Amphibian	Hemidactylium scutatum (Four-toed Salamander)	Cumberland Seepage Forest				Suit		
Amphibian	Hemidactylium scutatum (Four-toed Salamander)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Amphibian	Hemidactylium scutatum (Four-toed Salamander)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref	Pref	Pref	
Amphibian	Hemidactylium scutatum (Four-toed Salamander)	Interior Low Plateau Seepage Fen			Suit			
Amphibian	Hemidactylium scutatum (Four-toed Salamander)	Southern Appalachian Seepage Wetland						Pref
Amphibian	Hemidactylium scutatum (Four-toed Salamander)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Hyla gratiosa (Barking Treefrog)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Amphibian	Hyla gratiosa (Barking Treefrog)	Mississippi River Riparian Forest	Pref					
Amphibian	Hyla gratiosa (Barking Treefrog)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Amphibian	Hyla gratiosa (Barking Treefrog)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				
Amphibian	Hyla gratiosa (Barking Treefrog)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Amphibian	Hyla gratiosa (Barking Treefrog)	Cumberland Seepage Forest				Suit		
Amphibian	Hyla gratiosa (Barking Treefrog)	Mississippi River Bottomland Depression	Pref					
Amphibian	Hyla gratiosa (Barking Treefrog)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Amphibian	Hyla gratiosa (Barking Treefrog)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref	Pref		
Amphibian	Hyla gratiosa (Barking Treefrog)	Interior Low Plateau Seepage Fen			Suit			
Amphibian	Hyla gratiosa (Barking Treefrog)	South-Central Interior Small Stream and Riparian		Suit				
Amphibian	Hyla gratiosa (Barking Treefrog)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Amphibian	Hyla versicolor (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	Hyla versicolor (Gray Treefrog)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Amphibian	Hyla versicolor (Gray Treefrog)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Amphibian	Hyla versicolor (Gray Treefrog)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Amphibian	Hyla versicolor (Gray Treefrog)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Amphibian	Hyla versicolor (Gray Treefrog)	East Gulf Coastal Plain Limestone Forest		Suit				
Amphibian	Hyla versicolor (Gray Treefrog)	South-Central Interior Mesophytic Forest		Suit				
Amphibian	Hyla versicolor (Gray Treefrog)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Amphibian	Hyla versicolor (Gray Treefrog)	Mississippi River Low Floodplain (Bottomland) Forest	Marg					
Amphibian	Hyla versicolor (Gray Treefrog)	Mississippi River Riparian Forest	Marg					
Amphibian	Hyla versicolor (Gray Treefrog)	East Gulf Coastal Plain Large River Floodplain Forest		Marg				
Amphibian	Hyla versicolor (Gray Treefrog)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Marg				
Amphibian	Hyla versicolor (Gray Treefrog)	East Gulf Coastal Plain Northern Seepage Swamp		Pref				
Amphibian	Hyla versicolor (Gray Treefrog)	Mississippi River Bottomland Depression	Suit					
Amphibian	Hyla versicolor (Gray Treefrog)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Amphibian	Hyla versicolor (Gray Treefrog)	South-Central Interior Small Stream and Riparian		Marg				
Amphibian	Hyla versicolor (Gray Treefrog)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Hyla versicolor (Gray Treefrog)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit
Amphibian	Hyla versicolor (Gray Treefrog)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Hyla versicolor (Gray Treefrog)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Hyla versicolor (Gray Treefrog)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Amphibian	Hyla versicolor (Gray Treefrog)	Edifice / Other Man-made Structure	Marg	Marg	Marg	Marg	Marg	Marg
Amphibian	Lithobates areolatus (Crawfish Frog)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Amphibian	Lithobates areolatus (Crawfish Frog)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
Amphibian	Lithobates areolatus (Crawfish Frog)	Mississippi River Low Floodplain (Bottomland) Forest	Marg					
Amphibian	Lithobates areolatus (Crawfish Frog)	Mississippi River Riparian Forest	Marg					
Amphibian	Lithobates areolatus (Crawfish Frog)	East Gulf Coastal Plain Large River Floodplain Forest		Marg				
Amphibian	Lithobates areolatus (Crawfish Frog)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Marg				
Amphibian	Lithobates areolatus (Crawfish Frog)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Amphibian	Lithobates areolatus (Crawfish Frog)	Mississippi River Bottomland Depression	Marg					
Amphibian	Lithobates areolatus (Crawfish Frog)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Marg				
Amphibian	Lithobates areolatus (Crawfish Frog)	South-Central Interior Small Stream and Riparian		Marg				
Amphibian	Lithobates areolatus (Crawfish Frog)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Amphibian	Lithobates areolatus (Crawfish Frog)	Pasture	Marg	Marg	Marg	Marg	Marg	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

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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	Rana capito (Carolina Gopher Frog)	Southern Appalachian Low-Elevation Pine Forest			Suit			
Amphibian	Rana capito (Carolina Gopher Frog)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Amphibian	Rana capito (Carolina Gopher Frog)	Mississippi River High Floodplain (Bottomland) Forest	Suit					
Amphibian	Rana capito (Carolina Gopher Frog)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Amphibian	Rana capito (Carolina Gopher Frog)	Mississippi River Riparian Forest	Suit					
Amphibian	Rana capito (Carolina Gopher Frog)	East Gulf Coastal Plain Large River Floodplain Forest		Marg				
Amphibian	Rana capito (Carolina Gopher Frog)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Amphibian	Rana capito (Carolina Gopher Frog)	East Gulf Coastal Plain Northern Seepage Swamp		Pref				
Amphibian	Rana capito (Carolina Gopher Frog)	Mississippi River Bottomland Depression	Pref					
Amphibian	Rana capito (Carolina Gopher Frog)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Pref				
Amphibian	Rana capito (Carolina Gopher Frog)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref			
Amphibian	Rana capito (Carolina Gopher Frog)	Interior Low Plateau Seepage Fen			Suit			
Arachnid	Microhexura montivaga (Spruce-fir Moss Spider)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Arachnid	Microhexura montivaga (Spruce-fir Moss Spider)	Appalachian (Hemlock)-Northern Hardwood Forest						Marg
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Limestone Forest		Suit				
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Southern Appalachian Oak Forest					Suit	Suit
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Southern Appalachian Northern Hardwood Forest						Suit
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Bat	Corynorhinus rafinesquii (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	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Mississippi River Riparian Forest	Suit					
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Cumberland Riverscour				Suit		
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Cumberland Seepage Forest				Suit		
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Mississippi River Bottomland Depression	Suit					
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Interior Low Plateau Seepage Fen			Suit			
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Southern Appalachian Seepage Wetland						Suit
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Southern Interior Sinkhole Wall						Suit
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Edifice / Other Man-made Structure	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Corynorhinus townsendii virginianus (Virginia Big-eared Bat)	Southern and Central Appalachian Cove Forest						Suit
Bat	Corynorhinus townsendii virginianus (Virginia Big-eared Bat)	Southern Appalachian Oak Forest						Suit
Bat	Corynorhinus townsendii virginianus (Virginia Big-eared Bat)	Southern Appalachian Northern Hardwood Forest						Suit
Bat	Corynorhinus townsendii virginianus (Virginia Big-eared Bat)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Bat	Corynorhinus townsendii virginianus (Virginia Big-eared Bat)	Edifice / Other Man-made Structure	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Myotis austroriparius (Southeastern Bat)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bat	Myotis austroriparius (Southeastern Bat)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bat	Myotis austroriparius (Southeastern Bat)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Bat	Myotis austroriparius (Southeastern Bat)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Bat	Myotis austroriparius (Southeastern Bat)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Bat	Myotis austroriparius (Southeastern Bat)	East Gulf Coastal Plain Limestone Forest		Marg				
Bat	Myotis austroriparius (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
		Forest						
Bat	Myotis lucifugus (Little Brown Bat)	Allegheny-Cumberland Dry Oak Forest and Woodland				Pref	Pref	Pref
Bat	Myotis lucifugus (Little Brown Bat)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Bat	Myotis lucifugus (Little Brown Bat)	East Gulf Coastal Plain Limestone Forest		Pref				
Bat	Myotis lucifugus (Little Brown Bat)	South-Central Interior Mesophytic Forest		Pref	Pref	Pref	Pref	
Bat	Myotis lucifugus (Little Brown Bat)	Southern and Central Appalachian Cove Forest				Pref	Pref	Pref
Bat	Myotis lucifugus (Little Brown Bat)	Southern Appalachian Oak Forest					Pref	Pref
Bat	Myotis lucifugus (Little Brown Bat)	Southern Appalachian Northern Hardwood Forest						Pref
Bat	Myotis lucifugus (Little Brown Bat)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Bat	Myotis lucifugus (Little Brown Bat)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Bat	Myotis lucifugus (Little Brown Bat)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Bat	Myotis lucifugus (Little Brown Bat)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Pref				
Bat	Myotis lucifugus (Little Brown Bat)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Bat	Myotis lucifugus (Little Brown Bat)	Central Interior Highlands Dry Acidic Glade and Barrens		Marg	Marg			
Bat	Myotis lucifugus (Little Brown Bat)	Appalachian Shale Barrens				Marg	Marg	Marg
Bat	Myotis lucifugus (Little Brown Bat)	Nashville Basin Limestone Glade and Woodland			Suit			
Bat	Myotis lucifugus (Little Brown Bat)	Cumberland Sandstone Glade and Barrens				Marg		
Bat	Myotis lucifugus (Little Brown Bat)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Bat	Myotis lucifugus (Little Brown Bat)	Central Appalachian Alkaline Glade and Woodland					Suit	
Bat	Myotis lucifugus (Little Brown Bat)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Bat	Myotis lucifugus (Little Brown Bat)	Southern Ridge and Valley Patch Prairie					Suit	
Bat	Myotis lucifugus (Little Brown Bat)	Cumberland Riverscour				Suit		
Bat	Myotis lucifugus (Little Brown Bat)	Cumberland Seepage Forest				Pref		
Bat	Myotis lucifugus (Little Brown Bat)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Bat	Myotis lucifugus (Little Brown Bat)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bat	Myotis lucifugus (Little Brown Bat)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Bat	Myotis lucifugus (Little Brown Bat)	Interior Low Plateau Seepage Fen			Suit			
Bat	Myotis lucifugus (Little Brown Bat)	Southern Appalachian Seepage Wetland						Pref
Bat	Myotis lucifugus (Little Brown Bat)	South-Central Interior Small Stream and Riparian		Pref	Pref	Pref	Pref	Pref
Bat	Myotis lucifugus (Little Brown Bat)	South-Central Interior Large Floodplain			Pref	Pref	Pref	Pref
Bat	Myotis lucifugus (Little Brown Bat)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Bat	Myotis lucifugus (Little Brown Bat)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Myotis lucifugus (Little Brown Bat)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bat	Myotis lucifugus (Little Brown Bat)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bat	Myotis lucifugus (Little Brown Bat)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit

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	Accipiter striatus (Sharp-shinned Hawk)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Bird	Accipiter striatus (Sharp-shinned Hawk)	Central Interior Highlands Dry Acidic Glade and Barrens		Marg	Suit			
Bird	Accipiter striatus (Sharp-shinned Hawk)	Central Interior Highlands Calcareous Glade and Barrens		Marg	Marg	Marg	Marg	
Bird	Accipiter striatus (Sharp-shinned Hawk)	Nashville Basin Limestone Glade and Woodland			Marg			
Bird	Accipiter striatus (Sharp-shinned Hawk)	Cumberland Sandstone Glade and Barrens				Marg		
Bird	Accipiter striatus (Sharp-shinned Hawk)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Bird	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Bird	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Bird	Accipiter striatus (Sharp-shinned Hawk)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Bird	Accipiter striatus (Sharp-shinned Hawk)	Western Highland Rim Prairie and Barrens			Suit			
Bird	Accipiter striatus (Sharp-shinned Hawk)	Eastern Highland Rim Prairie and Barrens			Suit			
Bird	Accipiter striatus (Sharp-shinned Hawk)	Southern Ridge and Valley Patch Prairie					Suit	
Bird	Accipiter striatus (Sharp-shinned Hawk)	Southern Appalachian Grass and Shrub Bald						Marg
Bird	Accipiter striatus (Sharp-shinned Hawk)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Bird	Accipiter striatus (Sharp-shinned Hawk)	Mississippi River Riparian Forest	Pref					
Bird	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Bird	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Northern Seepage Swamp		Marg				
Bird	Accipiter striatus (Sharp-shinned Hawk)	Mississippi River Bottomland Depression	Suit					
Bird	Accipiter striatus (Sharp-shinned Hawk)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	Accipiter striatus (Sharp-shinned Hawk)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg	Marg	Marg	
Bird	Accipiter striatus (Sharp-shinned Hawk)	Interior Low Plateau Seepage Fen			Marg			
Bird	Accipiter striatus (Sharp-shinned Hawk)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Bird	Accipiter striatus (Sharp-shinned Hawk)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Bird	Accipiter striatus (Sharp-shinned Hawk)	Southern Appalachian Rocky Summit						Suit
Bird	Accipiter striatus (Sharp-shinned Hawk)	Forest Plantation	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Accipiter striatus (Sharp-shinned Hawk)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Accipiter striatus (Sharp-shinned Hawk)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Accipiter striatus (Sharp-shinned Hawk)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Accipiter striatus (Sharp-shinned Hawk)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Accipiter striatus (Sharp-shinned Hawk)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Accipiter striatus (Sharp-shinned Hawk)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Accipiter striatus (Sharp-shinned Hawk)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Accipiter striatus (Sharp-shinned Hawk)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg

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

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Ammodramus savannarum (Grasshopper Sparrow)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Bird	Ammodramus savannarum (Grasshopper Sparrow)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Bird	Ammodramus savannarum (Grasshopper Sparrow)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
Bird	Ammodramus savannarum (Grasshopper Sparrow)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	Ammodramus savannarum (Grasshopper Sparrow)	Western Highland Rim Prairie and Barrens			Pref			
Bird	Ammodramus savannarum (Grasshopper Sparrow)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	Ammodramus savannarum (Grasshopper Sparrow)	Southern Ridge and Valley Patch Prairie					Pref	
Bird	Ammodramus savannarum (Grasshopper Sparrow)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Ammodramus savannarum (Grasshopper Sparrow)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Ammodramus savannarum (Grasshopper Sparrow)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Ammodramus savannarum (Grasshopper Sparrow)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Ammodramus savannarum (Grasshopper Sparrow)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Anas rubripes (American Black Duck)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Anas rubripes (American Black Duck)	Converted Wetland (Lacustrine)	Pref	Pref	Pref	Pref	Pref	Pref
Bird	Anas rubripes (American Black Duck)	Converted Wetland (Riverine)	Pref	Pref	Pref	Pref	Pref	Pref
Bird	Anas rubripes (American Black Duck)	Converted Wetland (Palustrine)	Pref	Pref	Pref	Pref	Pref	Pref
Bird	Anas rubripes (American Black Duck)	Large River	Pref	Pref	Pref	Pref	Pref	Pref
Bird	Anas rubripes (American Black Duck)	Medium River	Pref	Pref	Pref	Pref	Pref	Pref
Bird	Anas rubripes (American Black Duck)	Small River	Pref	Pref	Pref	Pref	Pref	Pref
Bird	Anas rubripes (American Black Duck)	Lake	Pref	Pref	Pref	Pref	Pref	Pref
Bird	Anas rubripes (American Black Duck)	Channelized River / Stream	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Aquila chrysaetos (Golden Eagle)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bird	Aquila chrysaetos (Golden Eagle)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	Suit
Bird	Aquila chrysaetos (Golden Eagle)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Bird	Aquila chrysaetos (Golden Eagle)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bird	Aquila chrysaetos (Golden Eagle)	Southern Appalachian Oak Forest					Suit	Suit
Bird	Aquila chrysaetos (Golden Eagle)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Bird	Aquila chrysaetos (Golden Eagle)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Bird	Aquila chrysaetos (Golden Eagle)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Bird	Aquila chrysaetos (Golden Eagle)	Central Interior Highlands Calcareous Glade and Barrens		Marg	Marg	Marg	Marg	
Bird	Aquila chrysaetos (Golden Eagle)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Bird	Aquila chrysaetos (Golden Eagle)	Southern Ridge and Valley Patch Prairie					Suit	
Bird	Aquila chrysaetos (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	Aquila chrysaetos (Golden Eagle)	Southern Appalachian Montane Cliff and Talus				Suit	Suit	Suit
Bird	Aquila chrysaetos (Golden Eagle)	Southern Interior Calcareous Cliff					Suit	Suit
Bird	Ardea alba (Great Egret)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Ardea alba (Great Egret)	Mississippi River Riparian Forest	Suit					
Bird	Ardea alba (Great Egret)	Mississippi River Bottomland Depression	Pref					
Bird	Ardea alba (Great Egret)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Ardea alba (Great Egret)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Ardea alba (Great Egret)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Asio flammeus (Short-eared Owl)	Central Interior Highlands Dry Acidic Glade and Barrens			Suit			
Bird	Asio flammeus (Short-eared Owl)	Central Interior Highlands Calcareous Glade and Barrens			Suit			
Bird	Asio flammeus (Short-eared Owl)	Nashville Basin Limestone Glade and Woodland			Suit			
Bird	Asio flammeus (Short-eared Owl)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	Asio flammeus (Short-eared Owl)	Western Highland Rim Prairie and Barrens			Pref			
Bird	Asio flammeus (Short-eared Owl)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	Asio flammeus (Short-eared Owl)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg			
Bird	Asio flammeus (Short-eared Owl)	Interior Low Plateau Seepage Fen			Marg			
Bird	Asio flammeus (Short-eared Owl)	South-Central Interior Small Stream and Riparian			Marg			
Bird	Asio flammeus (Short-eared Owl)	South-Central Interior Large Floodplain			Marg			
Bird	Asio flammeus (Short-eared Owl)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Asio flammeus (Short-eared Owl)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Asio flammeus (Short-eared Owl)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Asio flammeus (Short-eared Owl)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Asio flammeus (Short-eared Owl)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Bartramia longicauda (Upland Sandpiper)	Southern Appalachian Grass and Shrub Bald						Suit
Bird	Bartramia longicauda (Upland Sandpiper)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Bartramia longicauda (Upland Sandpiper)	Mississippi River Riparian Forest	Suit					
Bird	Bartramia longicauda (Upland Sandpiper)	Mississippi River Bottomland Depression	Pref					
Bird	Bartramia longicauda (Upland Sandpiper)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Bartramia longicauda (Upland Sandpiper)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Bartramia longicauda (Upland Sandpiper)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Bartramia longicauda (Upland Sandpiper)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Bartramia longicauda (Upland Sandpiper)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Bartramia longicauda (Upland Sandpiper)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Bartramia longicauda (Upland Sandpiper)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Bartramia longicauda (Upland Sandpiper)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Bonasa umbellus (Ruffed Grouse)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bird	Bonasa umbellus (Ruffed Grouse)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	Suit
Bird	Bonasa umbellus (Ruffed Grouse)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Bird	Bonasa umbellus (Ruffed Grouse)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bird	Bonasa umbellus (Ruffed Grouse)	Southern Appalachian Oak Forest					Pref	Pref
Bird	Bonasa umbellus (Ruffed Grouse)	Southern Appalachian Northern Hardwood Forest						Pref
Bird	Bonasa umbellus (Ruffed Grouse)	Southern Appalachian Low-Elevation Pine Forest			Suit	Marg	Marg	Marg
Bird	Bonasa umbellus (Ruffed Grouse)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Bird	Bonasa umbellus (Ruffed Grouse)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Bird	Bonasa umbellus (Ruffed Grouse)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Bird	Bonasa umbellus (Ruffed Grouse)	Appalachian (Hemlock)-Northern Hardwood Forest				Pref	Pref	Pref
Bird	Bonasa umbellus (Ruffed Grouse)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Botaurus lentiginosus (American Bittern)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Botaurus lentiginosus (American Bittern)	Mississippi River Riparian Forest	Suit					
Bird	Botaurus lentiginosus (American Bittern)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Bird	Botaurus lentiginosus (American Bittern)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	Botaurus lentiginosus (American Bittern)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Bird	Botaurus lentiginosus (American Bittern)	Mississippi River Bottomland Depression	Pref					
Bird	Botaurus lentiginosus (American Bittern)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	Botaurus lentiginosus (American Bittern)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Bird	Botaurus lentiginosus (American Bittern)	Interior Low Plateau Seepage Fen			Suit			
Bird	Botaurus lentiginosus (American Bittern)	South-Central Interior Small Stream and Riparian		Suit	Suit			
Bird	Botaurus lentiginosus (American Bittern)	South-Central Interior Large Floodplain			Pref			
Bird	Botaurus lentiginosus (American Bittern)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Botaurus lentiginosus (American Bittern)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Botaurus lentiginosus (American Bittern)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Calidris canutus (Red Knot)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Calidris canutus (Red Knot)	Mississippi River Riparian Forest	Suit					
Bird	Calidris canutus (Red Knot)	Mississippi River Bottomland Depression	Pref					
Bird	Calidris canutus (Red Knot)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Calidris canutus (Red Knot)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Calidris canutus (Red Knot)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Calidris canutus (Red Knot)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Calidris canutus (Red Knot)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Calidris canutus (Red Knot)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Calidris canutus (Red Knot)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Calidris canutus (Red Knot)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Calidris himantopus (Stilt Sandpiper)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Bird	Calidris himantopus (Stilt Sandpiper)	Mississippi River Riparian Forest	Pref					
Bird	Calidris himantopus (Stilt Sandpiper)	Mississippi River Bottomland Depression	Suit					
Bird	Calidris himantopus (Stilt Sandpiper)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Calidris himantopus (Stilt Sandpiper)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Calidris himantopus (Stilt Sandpiper)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Calidris himantopus (Stilt Sandpiper)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Calidris himantopus (Stilt Sandpiper)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Calidris himantopus (Stilt Sandpiper)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Calidris himantopus (Stilt Sandpiper)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Calidris himantopus (Stilt Sandpiper)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Calidris mauri (Western Sandpiper)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Calidris mauri (Western Sandpiper)	Mississippi River Riparian Forest	Suit					
Bird	Calidris mauri (Western Sandpiper)	Mississippi River Bottomland Depression	Pref					
Bird	Calidris mauri (Western Sandpiper)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Calidris mauri (Western Sandpiper)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Calidris mauri (Western Sandpiper)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Calidris mauri (Western Sandpiper)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Calidris mauri (Western Sandpiper)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Calidris mauri (Western Sandpiper)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Calidris mauri (Western Sandpiper)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Calidris pusilla (Semipalmated Sandpiper)	Mississippi River Bottomland Depression	Suit					
Bird	Calidris pusilla (Semipalmated Sandpiper)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	Calidris pusilla (Semipalmated Sandpiper)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Bird	Calidris pusilla (Semipalmated Sandpiper)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Calidris pusilla (Semipalmated Sandpiper)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Calidris pusilla (Semipalmated Sandpiper)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Calidris pusilla (Semipalmated Sandpiper)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Caprimulgus carolinensis (Chuck-will's-widow)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Bird	Caprimulgus carolinensis (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)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Bird	Caprimulgus vociferus (Whip-poor-will)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Bird	Caprimulgus vociferus (Whip-poor-will)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bird	Caprimulgus vociferus (Whip-poor-will)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	Suit
Bird	Caprimulgus vociferus (Whip-poor-will)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bird	Caprimulgus vociferus (Whip-poor-will)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Bird	Caprimulgus vociferus (Whip-poor-will)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Bird	Caprimulgus vociferus (Whip-poor-will)	East Gulf Coastal Plain Limestone Forest		Suit				
Bird	Caprimulgus vociferus (Whip-poor-will)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Bird	Caprimulgus vociferus (Whip-poor-will)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bird	Caprimulgus vociferus (Whip-poor-will)	Southern Appalachian Oak Forest					Suit	Suit
Bird	Caprimulgus vociferus (Whip-poor-will)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Caprimulgus vociferus (Whip-poor-will)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Bird	Caprimulgus vociferus (Whip-poor-will)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Bird	Caprimulgus vociferus (Whip-poor-will)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Bird	Caprimulgus vociferus (Whip-poor-will)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Bird	Caprimulgus vociferus (Whip-poor-will)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Bird	Caprimulgus vociferus (Whip-poor-will)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit			
Bird	Caprimulgus vociferus (Whip-poor-will)	Appalachian Shale Barrens				Suit		Suit
Bird	Caprimulgus vociferus (Whip-poor-will)	Central Interior Highlands Calcareous Glade and Barrens			Suit	Pref	Suit	
Bird	Caprimulgus vociferus (Whip-poor-will)	Nashville Basin Limestone Glade and Woodland			Suit			
Bird	Caprimulgus vociferus (Whip-poor-will)	Cumberland Sandstone Glade and Barrens				Suit		
Bird	Caprimulgus vociferus (Whip-poor-will)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Bird	Caprimulgus vociferus (Whip-poor-will)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Bird	Caprimulgus vociferus (Whip-poor-will)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
Bird	Caprimulgus vociferus (Whip-poor-will)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Bird	Caprimulgus vociferus (Whip-poor-will)	Western Highland Rim Prairie and Barrens			Suit			
Bird	Caprimulgus vociferus (Whip-poor-will)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	Caprimulgus vociferus (Whip-poor-will)	Southern Ridge and Valley Patch Prairie					Pref	
Bird	Caprimulgus vociferus (Whip-poor-will)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Caprimulgus vociferus (Whip-poor-will)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Caprimulgus vociferus (Whip-poor-will)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Caprimulgus vociferus (Whip-poor-will)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg

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	Chaetura pelagica (Chimney Swift)	Cumberland Riverscour				Marg		
Bird	Chaetura pelagica (Chimney Swift)	East Gulf Coastal Plain Northern Seepage Swamp		Marg				
Bird	Chaetura pelagica (Chimney Swift)	Cumberland Seepage Forest				Suit		
Bird	Chaetura pelagica (Chimney Swift)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Marg				
Bird	Chaetura pelagica (Chimney Swift)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Bird	Chaetura pelagica (Chimney Swift)	Edifice / Other Man-made Structure	Pref	Pref	Pref	Pref	Pref	Pref
Bird	Chaetura pelagica (Chimney Swift)	Developed Open Space	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Chaetura pelagica (Chimney Swift)	Low Intensity Developed	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Chaetura pelagica (Chimney Swift)	Medium Intensity Developed	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Chaetura pelagica (Chimney Swift)	High Intensity Developed	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Charadrius alexandrinus (Snowy Plover)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Charadrius alexandrinus (Snowy Plover)	Mississippi River Riparian Forest	Suit					
Bird	Charadrius alexandrinus (Snowy Plover)	Mississippi River Bottomland Depression	Pref					
Bird	Charadrius alexandrinus (Snowy Plover)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Charadrius alexandrinus (Snowy Plover)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Charadrius alexandrinus (Snowy Plover)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Charadrius melodus melodus (Piping Plover)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Charadrius melodus melodus (Piping Plover)	Mississippi River Riparian Forest	Suit					
Bird	Charadrius melodus melodus (Piping Plover)	Mississippi River Bottomland Depression	Pref					
Bird	Charadrius melodus melodus (Piping Plover)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Charadrius melodus melodus (Piping Plover)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Charadrius melodus melodus (Piping Plover)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Charadrius melodus melodus (Piping Plover)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Charadrius melodus melodus (Piping Plover)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Charadrius melodus melodus (Piping Plover)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Charadrius melodus melodus (Piping Plover)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Charadrius melodus melodus (Piping Plover)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Charadrius wilsonia (Wilson's Plover)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Charadrius wilsonia (Wilson's Plover)	Mississippi River Riparian Forest	Suit					
Bird	Charadrius wilsonia (Wilson's Plover)	Mississippi River Bottomland Depression	Pref					
Bird	Charadrius wilsonia (Wilson's Plover)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Charadrius wilsonia (Wilson's Plover)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Charadrius wilsonia (Wilson's Plover)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Charadrius wilsonia (Wilson's Plover)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Charadrius wilsonia (Wilson's Plover)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit

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	Cistothorus platensis (Sedge Wren)	Central Interior Highlands Calcareous Glade and Barrens			Suit			
Bird	Cistothorus platensis (Sedge Wren)	Nashville Basin Limestone Glade and Woodland			Suit			
Bird	Cistothorus platensis (Sedge Wren)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	Cistothorus platensis (Sedge Wren)	Western Highland Rim Prairie and Barrens			Pref			
Bird	Cistothorus platensis (Sedge Wren)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	Cistothorus platensis (Sedge Wren)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref			
Bird	Cistothorus platensis (Sedge Wren)	Interior Low Plateau Seepage Fen			Suit			
Bird	Cistothorus platensis (Sedge Wren)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Cistothorus platensis (Sedge Wren)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Cistothorus platensis (Sedge Wren)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Colinus virginianus (Northern Bobwhite)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bird	Colinus virginianus (Northern Bobwhite)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bird	Colinus virginianus (Northern Bobwhite)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	Colinus virginianus (Northern Bobwhite)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Bird	Colinus virginianus (Northern Bobwhite)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	Marg
Bird	Colinus virginianus (Northern Bobwhite)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
Bird	Colinus virginianus (Northern Bobwhite)	East Gulf Coastal Plain Limestone Forest		Marg				
Bird	Colinus virginianus (Northern Bobwhite)	Southern Appalachian Oak Forest					Marg	Marg
Bird	Colinus virginianus (Northern Bobwhite)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Marg	Marg
Bird	Colinus virginianus (Northern Bobwhite)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Bird	Colinus virginianus (Northern Bobwhite)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Bird	Colinus virginianus (Northern Bobwhite)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit			
Bird	Colinus virginianus (Northern Bobwhite)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit	Suit	Suit	
Bird	Colinus virginianus (Northern Bobwhite)	Nashville Basin Limestone Glade and Woodland			Marg			
Bird	Colinus virginianus (Northern Bobwhite)	Cumberland Sandstone Glade and Barrens				Marg		
Bird	Colinus virginianus (Northern Bobwhite)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Bird	Colinus virginianus (Northern Bobwhite)	Central Appalachian Alkaline Glade and Woodland					Marg	
Bird	Colinus virginianus (Northern Bobwhite)	Southern and Central Appalachian Mafic Glade and Barrens						Marg
Bird	Colinus virginianus (Northern Bobwhite)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Bird	Colinus virginianus (Northern Bobwhite)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
Bird	Colinus virginianus (Northern Bobwhite)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	Colinus virginianus (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	Colinus virginianus (Northern Bobwhite)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	Colinus virginianus (Northern Bobwhite)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Bird	Colinus virginianus (Northern Bobwhite)	Southern Ridge and Valley Patch Prairie					Suit	
Bird	Colinus virginianus (Northern Bobwhite)	Southern Appalachian Grass and Shrub Bald						Suit
Bird	Colinus virginianus (Northern Bobwhite)	Old Field / Successional	Pref	Pref	Pref	Pref	Pref	Pref
Bird	Colinus virginianus (Northern Bobwhite)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Colinus virginianus (Northern Bobwhite)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Colinus virginianus (Northern Bobwhite)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Contopus cooperi (Olive-sided Flycatcher)	Southern and Central Appalachian Cove Forest						Suit
Bird	Contopus cooperi (Olive-sided Flycatcher)	Southern Appalachian Oak Forest						Marg
Bird	Contopus cooperi (Olive-sided Flycatcher)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Contopus cooperi (Olive-sided Flycatcher)	Southern Appalachian Low-Elevation Pine Forest						Marg
Bird	Contopus cooperi (Olive-sided Flycatcher)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Bird	Contopus cooperi (Olive-sided Flycatcher)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Bird	Contopus cooperi (Olive-sided Flycatcher)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Bird	Contopus cooperi (Olive-sided Flycatcher)	Southern Appalachian Grass and Shrub Bald						Marg
Bird	Contopus cooperi (Olive-sided Flycatcher)	Southern and Central Appalachian Bog and Fen						Suit
Bird	Contopus cooperi (Olive-sided Flycatcher)	Southern Appalachian Seepage Wetland						Suit
Bird	Egretta caerulea (Little Blue Heron)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Egretta caerulea (Little Blue Heron)	Mississippi River Riparian Forest	Suit					
Bird	Egretta caerulea (Little Blue Heron)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Bird	Egretta caerulea (Little Blue Heron)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	Egretta caerulea (Little Blue Heron)	East Gulf Coastal Plain Northern Seepage Swamp		Pref				
Bird	Egretta caerulea (Little Blue Heron)	Mississippi River Bottomland Depression	Pref					
Bird	Egretta caerulea (Little Blue Heron)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	Egretta caerulea (Little Blue Heron)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref			
Bird	Egretta caerulea (Little Blue Heron)	Interior Low Plateau Seepage Fen			Suit			
Bird	Egretta caerulea (Little Blue Heron)	South-Central Interior Small Stream and Riparian		Suit	Pref			
Bird	Egretta caerulea (Little Blue Heron)	South-Central Interior Large Floodplain			Suit			
Bird	Egretta caerulea (Little Blue Heron)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Egretta caerulea (Little Blue Heron)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Egretta caerulea (Little Blue Heron)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Empidonax alnorum (Alder Flycatcher)	Southern and Central Appalachian Cove Forest						Suit
Bird	Empidonax alnorum (Alder Flycatcher)	Southern Appalachian Oak Forest						Marg
Bird	Empidonax alnorum (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)	Pennyroyal 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)	Pennyroyal 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	Haliaeetus leucocephalus (Bald Eagle)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Bird	Haliaeetus leucocephalus (Bald Eagle)	Appalachian (Hemlock)-Northern Hardwood Forest				Marg	Marg	
Bird	Haliaeetus leucocephalus (Bald Eagle)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Bird	Haliaeetus leucocephalus (Bald Eagle)	Mississippi River Riparian Forest	Pref					
Bird	Haliaeetus leucocephalus (Bald Eagle)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Bird	Haliaeetus leucocephalus (Bald Eagle)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				
Bird	Haliaeetus leucocephalus (Bald Eagle)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Bird	Haliaeetus leucocephalus (Bald Eagle)	Mississippi River Bottomland Depression	Suit					
Bird	Haliaeetus leucocephalus (Bald Eagle)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	Haliaeetus leucocephalus (Bald Eagle)	South-Central Interior Small Stream and Riparian		Marg	Marg	Marg	Marg	
Bird	Haliaeetus leucocephalus (Bald Eagle)	South-Central Interior Large Floodplain			Pref	Pref	Pref	
Bird	Haliaeetus leucocephalus (Bald Eagle)	Central Interior Acidic Cliff and Talus			Suit			
Bird	Haliaeetus leucocephalus (Bald Eagle)	Central Interior Calcareous Cliff and Talus			Suit			
Bird	Haliaeetus leucocephalus (Bald Eagle)	Cumberland Acidic Cliff and Rockhouse				Suit	Suit	
Bird	Haliaeetus leucocephalus (Bald Eagle)	Southern Appalachian Montane Cliff and Talus				Suit	Suit	
Bird	Haliaeetus leucocephalus (Bald Eagle)	Southern Interior Calcareous Cliff					Suit	
Bird	Haliaeetus leucocephalus (Bald Eagle)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Haliaeetus leucocephalus (Bald Eagle)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Haliaeetus leucocephalus (Bald Eagle)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Helmitheros vermivorum (Worm-eating Warbler)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Bird	Helmitheros vermivorum (Worm-eating Warbler)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Bird	Helmitheros vermivorum (Worm-eating Warbler)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Pref			
Bird	Helmitheros vermivorum (Worm-eating Warbler)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bird	Helmitheros vermivorum (Worm-eating Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Bird	Helmitheros vermivorum (Worm-eating Warbler)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bird	Helmitheros vermivorum (Worm-eating Warbler)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Bird	Helmitheros vermivorum (Worm-eating Warbler)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Bird	Helmitheros vermivorum (Worm-eating Warbler)	East Gulf Coastal Plain Limestone Forest		Suit				
Bird	Helmitheros vermivorum (Worm-eating Warbler)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Bird	Helmitheros vermivorum (Worm-eating Warbler)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bird	Helmitheros vermivorum (Worm-eating Warbler)	Southern Appalachian Oak Forest					Suit	Suit
Bird	Helmitheros vermivorum (Worm-eating Warbler)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Helmitheros vermivorum (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	Helmitheros vermivorum (Worm-eating Warbler)	Appalachian (Hemlock)-Northern Hardwood Forest				Pref	Pref	Pref
Bird	Helmitheros vermivorum (Worm-eating Warbler)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Bird	Helmitheros vermivorum (Worm-eating Warbler)	Mississippi River Riparian Forest	Pref					
Bird	Helmitheros vermivorum (Worm-eating Warbler)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Bird	Helmitheros vermivorum (Worm-eating Warbler)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	Helmitheros vermivorum (Worm-eating Warbler)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	Helmitheros vermivorum (Worm-eating Warbler)	South-Central Interior Small Stream and Riparian		Suit	Marg	Marg	Marg	Marg
Bird	Helmitheros vermivorum (Worm-eating Warbler)	South-Central Interior Large Floodplain			Marg	Marg	Marg	Marg
Bird	Helmitheros vermivorum (Worm-eating Warbler)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Hylocichla mustelina (Wood Thrush)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bird	Hylocichla mustelina (Wood Thrush)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bird	Hylocichla mustelina (Wood Thrush)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	Hylocichla mustelina (Wood Thrush)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Bird	Hylocichla mustelina (Wood Thrush)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Bird	Hylocichla mustelina (Wood Thrush)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bird	Hylocichla mustelina (Wood Thrush)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Pref				
Bird	Hylocichla mustelina (Wood Thrush)	South-Central Interior / Upper Coastal Plain Flatwoods		Pref				
Bird	Hylocichla mustelina (Wood Thrush)	East Gulf Coastal Plain Limestone Forest		Suit				
Bird	Hylocichla mustelina (Wood Thrush)	South-Central Interior Mesophytic Forest		Suit	Pref	Pref	Pref	
Bird	Hylocichla mustelina (Wood Thrush)	Southern and Central Appalachian Cove Forest				Pref	Pref	Pref
Bird	Hylocichla mustelina (Wood Thrush)	Southern Appalachian Oak Forest					Marg	Marg
Bird	Hylocichla mustelina (Wood Thrush)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Hylocichla mustelina (Wood Thrush)	Southern Appalachian Low-Elevation Pine Forest			Marg			
Bird	Hylocichla mustelina (Wood Thrush)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Bird	Hylocichla mustelina (Wood Thrush)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Bird	Hylocichla mustelina (Wood Thrush)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Hylocichla mustelina (Wood Thrush)	Mississippi River Riparian Forest	Suit					
Bird	Hylocichla mustelina (Wood Thrush)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Bird	Hylocichla mustelina (Wood Thrush)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	Hylocichla mustelina (Wood Thrush)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Bird	Hylocichla mustelina (Wood Thrush)	Mississippi River Bottomland Depression	Marg					
Bird	Hylocichla mustelina (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	Hylocichla mustelina (Wood Thrush)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Bird	Hylocichla mustelina (Wood Thrush)	South-Central Interior Large Floodplain			Marg	Marg	Marg	Marg
Bird	Hylocichla mustelina (Wood Thrush)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Hylocichla mustelina (Wood Thrush)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Icteria virens (Yellow-breasted Chat)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bird	Icteria virens (Yellow-breasted Chat)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bird	Icteria virens (Yellow-breasted Chat)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	Icteria virens (Yellow-breasted Chat)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Bird	Icteria virens (Yellow-breasted Chat)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	Marg
Bird	Icteria virens (Yellow-breasted Chat)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Bird	Icteria virens (Yellow-breasted Chat)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Marg				
Bird	Icteria virens (Yellow-breasted Chat)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
Bird	Icteria virens (Yellow-breasted Chat)	East Gulf Coastal Plain Limestone Forest		Marg				
Bird	Icteria virens (Yellow-breasted Chat)	South-Central Interior Mesophytic Forest		Marg	Marg	Marg	Marg	
Bird	Icteria virens (Yellow-breasted Chat)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bird	Icteria virens (Yellow-breasted Chat)	Southern Appalachian Oak Forest					Suit	Suit
Bird	Icteria virens (Yellow-breasted Chat)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Icteria virens (Yellow-breasted Chat)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Marg	Marg
Bird	Icteria virens (Yellow-breasted Chat)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Bird	Icteria virens (Yellow-breasted Chat)	Central Interior Highlands Calcareous Glade and Barrens		Pref	Pref	Pref	Pref	
Bird	Icteria virens (Yellow-breasted Chat)	Nashville Basin Limestone Glade and Woodland			Pref			
Bird	Icteria virens (Yellow-breasted Chat)	Cumberland Sandstone Glade and Barrens				Pref		
Bird	Icteria virens (Yellow-breasted Chat)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Pref	
Bird	Icteria virens (Yellow-breasted Chat)	Central Appalachian Alkaline Glade and Woodland					Pref	
Bird	Icteria virens (Yellow-breasted Chat)	Southern and Central Appalachian Mafic Glade and Barrens						Suit
Bird	Icteria virens (Yellow-breasted Chat)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Bird	Icteria virens (Yellow-breasted Chat)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Bird	Icteria virens (Yellow-breasted Chat)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	Icteria virens (Yellow-breasted Chat)	Western Highland Rim Prairie and Barrens			Pref			
Bird	Icteria virens (Yellow-breasted Chat)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	Icteria virens (Yellow-breasted Chat)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Bird	Icteria virens (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	Limnothlypis swainsonii (Swainson's Warbler)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	Limnothlypis swainsonii (Swainson's Warbler)	Cumberland Riverscour				Marg		
Bird	Limnothlypis swainsonii (Swainson's Warbler)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Bird	Limnothlypis swainsonii (Swainson's Warbler)	Cumberland Seepage Forest				Marg		
Bird	Limnothlypis swainsonii (Swainson's Warbler)	Southern and Central Appalachian Bog and Fen					Marg	Marg
Bird	Limnothlypis swainsonii (Swainson's Warbler)	Mississippi River Bottomland Depression	Pref					
Bird	Limnothlypis swainsonii (Swainson's Warbler)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	Limnothlypis swainsonii (Swainson's Warbler)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Marg	Marg	
Bird	Limnothlypis swainsonii (Swainson's Warbler)	Interior Low Plateau Seepage Fen			Marg			
Bird	Limnothlypis swainsonii (Swainson's Warbler)	Southern Appalachian Seepage Wetland						Marg
Bird	Limnothlypis swainsonii (Swainson's Warbler)	South-Central Interior Small Stream and Riparian		Suit	Pref	Pref	Pref	Pref
Bird	Limnothlypis swainsonii (Swainson's Warbler)	South-Central Interior Large Floodplain			Suit	Suit	Marg	Marg
Bird	Limosa fedoa (Marbled Godwit)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Limosa fedoa (Marbled Godwit)	Mississippi River Riparian Forest	Suit					
Bird	Limosa fedoa (Marbled Godwit)	Mississippi River Bottomland Depression	Pref					
Bird	Limosa fedoa (Marbled Godwit)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Limosa fedoa (Marbled Godwit)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Limosa fedoa (Marbled Godwit)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Limosa haemastica (Hudsonian Godwit)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Limosa haemastica (Hudsonian Godwit)	Mississippi River Riparian Forest	Suit					
Bird	Limosa haemastica (Hudsonian Godwit)	Mississippi River Bottomland Depression	Pref					
Bird	Limosa haemastica (Hudsonian Godwit)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Limosa haemastica (Hudsonian Godwit)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Limosa haemastica (Hudsonian Godwit)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Limosa haemastica (Hudsonian Godwit)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Limosa haemastica (Hudsonian Godwit)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Limosa haemastica (Hudsonian Godwit)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Limosa haemastica (Hudsonian Godwit)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bird	Melanerpes erythrocephalus (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)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Limestone Forest		Suit				
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Southern Appalachian Oak Forest					Suit	Suit
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Southern Appalachian Low-Elevation Pine Forest			Marg	Suit	Suit	Suit
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Appalachian (Hemlock)-Northern Hardwood Forest				Marg	Marg	Marg
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Western Highland Rim Prairie and Barrens			Suit			
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Eastern Highland Rim Prairie and Barrens			Suit			
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Southern Ridge and Valley Patch Prairie					Suit	
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Mississippi River Riparian Forest	Suit					
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Mississippi River Bottomland Depression	Suit					
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Marg	Marg	
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Interior Low Plateau Seepage Fen			Marg			
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Southern Appalachian Seepage Wetland						Suit
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	South-Central Interior Large Floodplain			Pref	Suit	Suit	Suit
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Melanerpes erythrocephalus (Red-headed Woodpecker)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg

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	Parkesia motacilla (Louisiana Waterthrush)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Bird	Passerina ciris (Painted Bunting)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Passerina ciris (Painted Bunting)	Mississippi River Riparian Forest	Suit					
Bird	Passerina ciris (Painted Bunting)	Mississippi River Bottomland Depression	Suit					
Bird	Passerina ciris (Painted Bunting)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Passerina ciris (Painted Bunting)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Passerina ciris (Painted Bunting)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Passerina ciris (Painted Bunting)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Passerina ciris (Painted Bunting)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Passerina ciris (Painted Bunting)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Passerina ciris (Painted Bunting)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Passerina ciris (Painted Bunting)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Peucaea aestivalis (Bachman's Sparrow)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	Peucaea aestivalis (Bachman's Sparrow)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Bird	Peucaea aestivalis (Bachman's Sparrow)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Bird	Peucaea aestivalis (Bachman's Sparrow)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Bird	Peucaea aestivalis (Bachman's Sparrow)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Marg				
Bird	Peucaea aestivalis (Bachman's Sparrow)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
Bird	Peucaea aestivalis (Bachman's Sparrow)	East Gulf Coastal Plain Limestone Forest		Marg				
Bird	Peucaea aestivalis (Bachman's Sparrow)	South-Central Interior Mesophytic Forest		Marg	Marg	Marg	Marg	
Bird	Peucaea aestivalis (Bachman's Sparrow)	Southern Appalachian Oak Forest					Marg	
Bird	Peucaea aestivalis (Bachman's Sparrow)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	
Bird	Peucaea aestivalis (Bachman's Sparrow)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	
Bird	Peucaea aestivalis (Bachman's Sparrow)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Bird	Peucaea aestivalis (Bachman's Sparrow)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit			
Bird	Peucaea aestivalis (Bachman's Sparrow)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit	Suit	Suit	
Bird	Peucaea aestivalis (Bachman's Sparrow)	Nashville Basin Limestone Glade and Woodland			Suit			
Bird	Peucaea aestivalis (Bachman's Sparrow)	Cumberland Sandstone Glade and Barrens				Suit		
Bird	Peucaea aestivalis (Bachman's Sparrow)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Bird	Peucaea aestivalis (Bachman's Sparrow)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Bird	Peucaea aestivalis (Bachman's Sparrow)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
Bird	Peucaea aestivalis (Bachman's Sparrow)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	Peucaea aestivalis (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	Peucaea aestivalis (Bachman's Sparrow)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	Peucaea aestivalis (Bachman's Sparrow)	Southern Ridge and Valley Patch Prairie					Pref	
Bird	Peucaea aestivalis (Bachman's Sparrow)	Forest Plantation	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Peucaea aestivalis (Bachman's Sparrow)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Peucaea aestivalis (Bachman's Sparrow)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Peucaea aestivalis (Bachman's Sparrow)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Peucaea aestivalis (Bachman's Sparrow)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Pluvialis dominica (American Golden Plover)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Pluvialis dominica (American Golden Plover)	Mississippi River Riparian Forest	Suit					
Bird	Pluvialis dominica (American Golden Plover)	Mississippi River Bottomland Depression	Suit					
Bird	Pluvialis dominica (American Golden Plover)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Pluvialis dominica (American Golden Plover)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Pluvialis dominica (American Golden Plover)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Pluvialis dominica (American Golden Plover)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Poecile atricapillus (Black-capped Chickadee)	Southern and Central Appalachian Cove Forest						Suit
Bird	Poecile atricapillus (Black-capped Chickadee)	Southern Appalachian Oak Forest						Suit
Bird	Poecile atricapillus (Black-capped Chickadee)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Poecile atricapillus (Black-capped Chickadee)	Southern Appalachian Low-Elevation Pine Forest						Suit
Bird	Poecile atricapillus (Black-capped Chickadee)	Southern Appalachian Montane Pine Forest and Woodland						Pref
Bird	Poecile atricapillus (Black-capped Chickadee)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Bird	Poecile atricapillus (Black-capped Chickadee)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Bird	Porphyrula martinica (Purple Gallinule)	East Gulf Coastal Plain Northern Seepage Swamp		Marg				
Bird	Porphyrula martinica (Purple Gallinule)	Cumberland Seepage Forest				Marg		
Bird	Porphyrula martinica (Purple Gallinule)	Southern and Central Appalachian Bog and Fen					Pref	Pref
Bird	Porphyrula martinica (Purple Gallinule)	Mississippi River Bottomland Depression	Suit					
Bird	Porphyrula martinica (Purple Gallinule)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Marg				
Bird	Porphyrula martinica (Purple Gallinule)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg	Marg	Marg	
Bird	Porphyrula martinica (Purple Gallinule)	Interior Low Plateau Seepage Fen			Suit			
Bird	Porphyrula martinica (Purple Gallinule)	Southern Appalachian Seepage Wetland						Suit
Bird	Porphyrula martinica (Purple Gallinule)	Converted Wetland (Lacustrine)	Pref	Pref	Pref	Pref	Pref	Pref
Bird	Porphyrula martinica (Purple Gallinule)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Porphyrula martinica (Purple Gallinule)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Protonotaria citrea (Prothonotary Warbler)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Bird	Protonotaria citrea (Prothonotary Warbler)	Mississippi River Riparian Forest	Pref					
Bird	Protonotaria citrea (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)	Pennyroyal 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	Scolopax minor (American Woodcock)	Mississippi River Riparian Forest	Suit					
Bird	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Bird	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Bird	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Northern Seepage Swamp		Marg				
Bird	Scolopax minor (American Woodcock)	Cumberland Seepage Forest				Marg		
Bird	Scolopax minor (American Woodcock)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Bird	Scolopax minor (American Woodcock)	Mississippi River Bottomland Depression	Marg					
Bird	Scolopax minor (American Woodcock)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Marg				
Bird	Scolopax minor (American Woodcock)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg	Marg	Marg	
Bird	Scolopax minor (American Woodcock)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Bird	Scolopax minor (American Woodcock)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Bird	Scolopax minor (American Woodcock)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Scolopax minor (American Woodcock)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Scolopax minor (American Woodcock)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Scolopax minor (American Woodcock)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Scolopax minor (American Woodcock)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Scolopax minor (American Woodcock)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Setophaga caerulescens (Black-throated Blue Warbler)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Bird	Setophaga caerulescens (Black-throated Blue Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Bird	Setophaga caerulescens (Black-throated Blue Warbler)	South-Central Interior Mesophytic Forest				Suit		
Bird	Setophaga caerulescens (Black-throated Blue Warbler)	Southern and Central Appalachian Cove Forest				Suit		Suit
Bird	Setophaga caerulescens (Black-throated Blue Warbler)	Southern Appalachian Oak Forest						Suit
Bird	Setophaga caerulescens (Black-throated Blue Warbler)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Setophaga caerulescens (Black-throated Blue Warbler)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Bird	Setophaga caerulescens (Black-throated Blue Warbler)	Appalachian (Hemlock)-Northern Hardwood Forest				Pref		Pref
Bird	Setophaga cerulea (Cerulean Warbler)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Bird	Setophaga cerulea (Cerulean Warbler)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Bird	Setophaga cerulea (Cerulean Warbler)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Bird	Setophaga cerulea (Cerulean Warbler)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Bird	Setophaga cerulea (Cerulean Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Bird	Setophaga cerulea (Cerulean Warbler)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Bird	Setophaga cerulea (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
		Forest						
Bird	Setophaga dominica (Yellow-throated Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Bird	Setophaga dominica (Yellow-throated Warbler)	South-Central Interior Mesophytic Forest				Suit	Suit	
Bird	Setophaga dominica (Yellow-throated Warbler)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Bird	Setophaga dominica (Yellow-throated Warbler)	Southern Appalachian Oak Forest					Suit	Suit
Bird	Setophaga dominica (Yellow-throated Warbler)	Southern Appalachian Northern Hardwood Forest						Suit
Bird	Setophaga dominica (Yellow-throated Warbler)	Southern Appalachian Low-Elevation Pine Forest				Suit	Suit	Suit
Bird	Setophaga dominica (Yellow-throated Warbler)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Suit	Suit
Bird	Setophaga dominica (Yellow-throated Warbler)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Bird	Setophaga dominica (Yellow-throated Warbler)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Setophaga fusca (Blackburnian Warbler)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Bird	Setophaga fusca (Blackburnian Warbler)	Southern and Central Appalachian Cove Forest				Suit	Suit	Pref
Bird	Setophaga fusca (Blackburnian Warbler)	Southern Appalachian Oak Forest						Suit
Bird	Setophaga fusca (Blackburnian Warbler)	Southern Appalachian Northern Hardwood Forest						Pref
Bird	Setophaga fusca (Blackburnian Warbler)	Southern Appalachian Montane Pine Forest and Woodland						Pref
Bird	Setophaga fusca (Blackburnian Warbler)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Bird	Setophaga fusca (Blackburnian Warbler)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Pref
Bird	Sitta pusilla (Brown-headed Nuthatch)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Bird	Sitta pusilla (Brown-headed Nuthatch)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Bird	Sitta pusilla (Brown-headed Nuthatch)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Marg	
Bird	Sitta pusilla (Brown-headed Nuthatch)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	
Bird	Sitta pusilla (Brown-headed Nuthatch)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Bird	Sitta pusilla (Brown-headed Nuthatch)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Marg				
Bird	Sitta pusilla (Brown-headed Nuthatch)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
Bird	Sitta pusilla (Brown-headed Nuthatch)	East Gulf Coastal Plain Limestone Forest		Marg				
Bird	Sitta pusilla (Brown-headed Nuthatch)	South-Central Interior Mesophytic Forest		Marg			Marg	
Bird	Sitta pusilla (Brown-headed Nuthatch)	Southern and Central Appalachian Cove Forest					Marg	Marg
Bird	Sitta pusilla (Brown-headed Nuthatch)	Southern Appalachian Oak Forest					Marg	Marg
Bird	Sitta pusilla (Brown-headed Nuthatch)	Southern Appalachian Northern Hardwood Forest						Marg
Bird	Sitta pusilla (Brown-headed Nuthatch)	Southern Appalachian Low-Elevation Pine Forest					Pref	Pref
Bird	Sitta pusilla (Brown-headed Nuthatch)	Southern Appalachian Montane Pine Forest and Woodland					Pref	Pref
Bird	Sitta pusilla (Brown-headed Nuthatch)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Pref				
Bird	Sitta pusilla (Brown-headed Nuthatch)	Appalachian (Hemlock)-Northern Hardwood Forest					Marg	Marg
Bird	Sitta pusilla (Brown-headed Nuthatch)	Forest Plantation	Suit	Suit	Suit	Suit	Suit	Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Bird	Sitta pusilla (Brown-headed Nuthatch)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Sphyrapicus varius (Yellow-bellied Sapsucker)	Southern and Central Appalachian Cove Forest						Suit
Bird	Sphyrapicus varius (Yellow-bellied Sapsucker)	Southern Appalachian Oak Forest						Suit
Bird	Sphyrapicus varius (Yellow-bellied Sapsucker)	Southern Appalachian Northern Hardwood Forest						Pref
Bird	Sphyrapicus varius (Yellow-bellied Sapsucker)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Bird	Sternula antillarum athalassos (Interior Least Tern)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Bird	Sternula antillarum athalassos (Interior Least Tern)	Mississippi River Riparian Forest	Suit					
Bird	Sternula antillarum athalassos (Interior Least Tern)	Mississippi River Bottomland Depression	Pref					
Bird	Sternula antillarum athalassos (Interior Least Tern)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Sternula antillarum athalassos (Interior Least Tern)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Sternula antillarum athalassos (Interior Least Tern)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Sturnella magna (Eastern Meadowlark)	Southern and Central Appalachian Mafic Glade and Barrens						Marg
Bird	Sturnella magna (Eastern Meadowlark)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Marg				
Bird	Sturnella magna (Eastern Meadowlark)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Marg				
Bird	Sturnella magna (Eastern Meadowlark)	Pennyroyal Karst Plain Prairie and Barrens			Marg			
Bird	Sturnella magna (Eastern Meadowlark)	Western Highland Rim Prairie and Barrens			Marg			
Bird	Sturnella magna (Eastern Meadowlark)	Eastern Highland Rim Prairie and Barrens			Marg			
Bird	Sturnella magna (Eastern Meadowlark)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Bird	Sturnella magna (Eastern Meadowlark)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Sturnella magna (Eastern Meadowlark)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Bird	Thryomanes bewickii (Bewick's Wren)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit			
Bird	Thryomanes bewickii (Bewick's Wren)	Appalachian Shale Barrens				Marg	Marg	Marg
Bird	Thryomanes bewickii (Bewick's Wren)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit	Suit	Suit	
Bird	Thryomanes bewickii (Bewick's Wren)	Nashville Basin Limestone Glade and Woodland			Suit			
Bird	Thryomanes bewickii (Bewick's Wren)	Cumberland Sandstone Glade and Barrens				Suit		
Bird	Thryomanes bewickii (Bewick's Wren)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Bird	Thryomanes bewickii (Bewick's Wren)	Southern and Central Appalachian Mafic Glade and Barrens						Suit
Bird	Thryomanes bewickii (Bewick's Wren)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Bird	Thryomanes bewickii (Bewick's Wren)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
Bird	Thryomanes bewickii (Bewick's Wren)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Bird	Thryomanes bewickii (Bewick's Wren)	Western Highland Rim Prairie and Barrens			Pref			
Bird	Thryomanes bewickii (Bewick's Wren)	Eastern Highland Rim Prairie and Barrens			Pref			
Bird	Thryomanes bewickii (Bewick's Wren)	Southern Ridge and Valley Patch Prairie					Pref	
Bird	Thryomanes bewickii (Bewick's Wren)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit

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

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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)	Pennyroyal 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	Euchemotrema fraternum montanum ((a pillsnail))	Southern Appalachian Low-Elevation Pine Forest					Marg	Marg
Gastropod	Euchemotrema fraternum montanum ((a pillsnail))	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg
Gastropod	Euchemotrema fraternum montanum ((a pillsnail))	Appalachian (Hemlock)-Northern Hardwood Forest					Suit	Suit
Gastropod	Euchemotrema fraternum montanum ((a pillsnail))	Southern Interior Sinkhole Wall					Suit	Suit
Gastropod	Fumonelix archeri (Ocoee Covert)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Fumonelix archeri (Ocoee Covert)	Southern Appalachian Oak Forest						Suit
Gastropod	Fumonelix archeri (Ocoee Covert)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Fumonelix archeri (Ocoee Covert)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Fumonelix archeri (Ocoee Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Fumonelix archeri (Ocoee Covert)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Fumonelix christyi (Glossy Covert)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Fumonelix christyi (Glossy Covert)	Southern Appalachian Oak Forest						Suit
Gastropod	Fumonelix christyi (Glossy Covert)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Fumonelix christyi (Glossy Covert)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Fumonelix christyi (Glossy Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Fumonelix christyi (Glossy Covert)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Fumonelix jonesiana (Big-tooth Covert)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Fumonelix jonesiana (Big-tooth Covert)	Southern Appalachian Oak Forest						Suit
Gastropod	Fumonelix jonesiana (Big-tooth Covert)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Fumonelix jonesiana (Big-tooth Covert)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Fumonelix jonesiana (Big-tooth Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Fumonelix jonesiana (Big-tooth Covert)	Central and Southern Appalachian Spruce-Fir Forest						Marg
Gastropod	Fumonelix jonesiana (Big-tooth Covert)	Appalachian (Hemlock)-Northern Hardwood Forest						Marg
Gastropod	Fumonelix orestes (Engraved Covert)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Fumonelix orestes (Engraved Covert)	Southern Appalachian Oak Forest						Marg
Gastropod	Fumonelix orestes (Engraved Covert)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Fumonelix orestes (Engraved Covert)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Fumonelix orestes (Engraved Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Fumonelix orestes (Engraved Covert)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	Fumonelix orestes (Engraved Covert)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Fumonelix wetherbyi (Clifty Covert)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg		
Gastropod	Fumonelix wetherbyi (Clifty Covert)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg		
Gastropod	Fumonelix wetherbyi (Clifty Covert)	South-Central Interior Mesophytic Forest				Suit		
Gastropod	Fumonelix wetherbyi (Clifty Covert)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	Fumonelix wetherbyi (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		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		Marg
Gastropod	Glyphyalinia pentadelphia (Pink Glyph)	Southern Appalachian Montane Pine Forest and Woodland				Marg		Marg
Gastropod	Glyphyalinia pentadelphia (Pink Glyph)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		Suit
Gastropod	Glyphyalinia rimula (Tongued Glyph)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Gastropod	Glyphyalinia rimula (Tongued Glyph)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Gastropod	Glyphyalinia rimula (Tongued Glyph)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	Glyphyalinia rimula (Tongued Glyph)	South-Central Interior Mesophytic Forest			Suit	Suit		
Gastropod	Glyphyalinia rimula (Tongued Glyph)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	Glyphyalinia rimula (Tongued Glyph)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg		
Gastropod	Glyphyalinia rimula (Tongued Glyph)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	Glyphyalinia rimula (Tongued Glyph)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	Glyphyalinia rimula (Tongued Glyph)	Central Interior Calcareous Cliff and Talus			Suit			
Gastropod	Glyphyalinia rimula (Tongued Glyph)	Southern Interior Sinkhole Wall			Suit			
Gastropod	Haplotrema kendeighi (Blue-footed Lancetooth)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Haplotrema kendeighi (Blue-footed Lancetooth)	Southern Appalachian Oak Forest						Suit
Gastropod	Haplotrema kendeighi (Blue-footed Lancetooth)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Haplotrema kendeighi (Blue-footed Lancetooth)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Haplotrema kendeighi (Blue-footed Lancetooth)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Haplotrema kendeighi (Blue-footed Lancetooth)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	Haplotrema kendeighi (Blue-footed Lancetooth)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Helicodiscus aldrichianus (Burrowing Coil)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Gastropod	Helicodiscus aldrichianus (Burrowing Coil)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Gastropod	Helicodiscus aldrichianus (Burrowing Coil)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	Helicodiscus aldrichianus (Burrowing Coil)	South-Central Interior Mesophytic Forest			Suit	Suit		
Gastropod	Helicodiscus aldrichianus (Burrowing Coil)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	Helicodiscus aldrichianus (Burrowing Coil)	Southern Appalachian Low-Elevation Pine Forest				Marg		
Gastropod	Helicodiscus aldrichianus (Burrowing Coil)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	Helicodiscus aldrichianus (Burrowing Coil)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	Helicodiscus aldrichianus (Burrowing Coil)	Central Interior Acidic Cliff and Talus			Suit			
Gastropod	Helicodiscus aldrichianus (Burrowing Coil)	Central Interior Calcareous Cliff and Talus			Suit			
Gastropod	Helicodiscus aldrichianus (Burrowing Coil)	Cumberland Acidic Cliff and Rockhouse				Suit		
Gastropod	Helicodiscus aldrichianus (Burrowing Coil)	Southern Appalachian Montane Cliff and Talus				Suit		
Gastropod	Helicodiscus enneodon (Bluff Coil)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Gastropod	Helicodiscus enneodon (Bluff Coil)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	
Gastropod	Helicodiscus enneodon (Bluff Coil)	South-Central Interior Mesophytic Forest					Suit	
Gastropod	Helicodiscus enneodon (Bluff Coil)	Southern and Central Appalachian Cove Forest					Suit	
Gastropod	Helicodiscus enneodon (Bluff Coil)	Southern Appalachian Oak Forest					Suit	
Gastropod	Helicodiscus enneodon (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			

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Gastropod	Inflectarius kalmianus (Brown Globelet)	Western Highland Rim Prairie and Barrens			Suit			
Gastropod	Inflectarius kalmianus (Brown Globelet)	Eastern Highland Rim Prairie and Barrens			Suit			
Gastropod	Inflectarius kalmianus (Brown Globelet)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Gastropod	Inflectarius kalmianus (Brown Globelet)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Gastropod	Inflectarius kalmianus (Brown Globelet)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Gastropod	Inflectarius smithi (Alabama Shagreen)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Gastropod	Inflectarius smithi (Alabama Shagreen)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	Inflectarius smithi (Alabama Shagreen)	South-Central Interior Mesophytic Forest				Suit		
Gastropod	Inflectarius smithi (Alabama Shagreen)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	Inflectarius smithi (Alabama Shagreen)	Southern Appalachian Low-Elevation Pine Forest				Marg		
Gastropod	Inflectarius smithi (Alabama Shagreen)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	Inflectarius smithi (Alabama Shagreen)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	Inflectarius subpalliatus (Velvet Covert)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Inflectarius subpalliatus (Velvet Covert)	Southern Appalachian Oak Forest						Suit
Gastropod	Inflectarius subpalliatus (Velvet Covert)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Inflectarius subpalliatus (Velvet Covert)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Inflectarius subpalliatus (Velvet Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Inflectarius subpalliatus (Velvet Covert)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	Inflectarius subpalliatus (Velvet Covert)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Megapallifera wetherbyi (Blotchy Mantleslug)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Gastropod	Megapallifera wetherbyi (Blotchy Mantleslug)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	Megapallifera wetherbyi (Blotchy Mantleslug)	South-Central Interior Mesophytic Forest				Suit		
Gastropod	Megapallifera wetherbyi (Blotchy Mantleslug)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	Megapallifera wetherbyi (Blotchy Mantleslug)	Southern Appalachian Low-Elevation Pine Forest				Marg		
Gastropod	Megapallifera wetherbyi (Blotchy Mantleslug)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	Megapallifera wetherbyi (Blotchy Mantleslug)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	Mesodon altivagus (Wandering Globe)	Southern and Central Appalachian Cove Forest						Marg
Gastropod	Mesodon altivagus (Wandering Globe)	Southern Appalachian Oak Forest						Marg
Gastropod	Mesodon altivagus (Wandering Globe)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Mesodon altivagus (Wandering Globe)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Mesodon altivagus (Wandering Globe)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Mesodon altivagus (Wandering Globe)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	Mesodon altivagus (Wandering Globe)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Mesodon andrewsae (Balsam Globe)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Mesodon andrewsae (Balsam Globe)	Southern Appalachian Oak Forest						Suit

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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 umbilicaris (Open 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	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	Marg
Gastropod	Paravitrea umbilicaris (Open Supercoil)	Southern Appalachian Montane Pine Forest and Woodland				Marg	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	Suit
Gastropod	Paravitrea variabilis (Variable Supercoil)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				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	Pilsbryna castanea (Prominent Bud)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Gastropod	Pilsbryna castanea (Prominent Bud)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	Pilsbryna castanea (Prominent Bud)	South-Central Interior Mesophytic Forest				Suit		
Gastropod	Pilsbryna castanea (Prominent Bud)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	Pilsbryna castanea (Prominent Bud)	Southern Appalachian Low-Elevation Pine Forest				Marg		
Gastropod	Pilsbryna castanea (Prominent Bud)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	Pilsbryna castanea (Prominent Bud)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	Pilsbryna vanattai (Honey Glyph)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Pilsbryna vanattai (Honey Glyph)	Southern Appalachian Oak Forest						Suit
Gastropod	Pilsbryna vanattai (Honey Glyph)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Pilsbryna vanattai (Honey Glyph)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Pilsbryna vanattai (Honey Glyph)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Pilsbryna vanattai (Honey Glyph)	Central and Southern Appalachian Spruce-Fir Forest						Marg
Gastropod	Pilsbryna vanattai (Honey Glyph)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Stenotrema altispira (Highland Slitmouth)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Stenotrema altispira (Highland Slitmouth)	Southern Appalachian Oak Forest						Suit
Gastropod	Stenotrema altispira (Highland Slitmouth)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Stenotrema altispira (Highland Slitmouth)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Stenotrema altispira (Highland Slitmouth)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Stenotrema altispira (Highland Slitmouth)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	Stenotrema altispira (Highland Slitmouth)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Stenotrema angellum (Kentucky Slitmouth)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Gastropod	Stenotrema angellum (Kentucky Slitmouth)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Gastropod	Stenotrema angellum (Kentucky Slitmouth)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	Stenotrema angellum (Kentucky Slitmouth)	South-Central Interior Mesophytic Forest			Suit	Suit		
Gastropod	Stenotrema angellum (Kentucky Slitmouth)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	Stenotrema angellum (Kentucky Slitmouth)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg		
Gastropod	Stenotrema angellum (Kentucky Slitmouth)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	Stenotrema angellum (Kentucky Slitmouth)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	Stenotrema calvescens (Chattanooga Slitmouth)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Gastropod	Stenotrema calvescens (Chattanooga Slitmouth)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Gastropod	Stenotrema calvescens (Chattanooga Slitmouth)	South-Central Interior Mesophytic Forest				Suit	Suit	
Gastropod	Stenotrema calvescens (Chattanooga Slitmouth)	Southern and Central Appalachian Cove Forest				Suit	Suit	
Gastropod	Stenotrema calvescens (Chattanooga Slitmouth)	Southern Appalachian Oak Forest					Suit	

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Gastropod	Stenotrema calvescens (Chattanooga Slitmouth)	Southern Appalachian Low-Elevation Pine Forest				Suit	Suit	
Gastropod	Stenotrema calvescens (Chattanooga Slitmouth)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	
Gastropod	Stenotrema calvescens (Chattanooga Slitmouth)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	
Gastropod	Stenotrema calvescens (Chattanooga Slitmouth)	Southern Ridge and Valley Patch Prairie					Marg	
Gastropod	Stenotrema calvescens (Chattanooga Slitmouth)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
Gastropod	Stenotrema calvescens (Chattanooga Slitmouth)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Gastropod	Stenotrema cohuttense (Cohutta Slitmouth)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Stenotrema cohuttense (Cohutta Slitmouth)	Southern Appalachian Oak Forest						Suit
Gastropod	Stenotrema cohuttense (Cohutta Slitmouth)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Stenotrema cohuttense (Cohutta Slitmouth)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Stenotrema cohuttense (Cohutta Slitmouth)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Stenotrema cohuttense (Cohutta Slitmouth)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Stenotrema depilatum (Great Smoky Slitmouth)	Southern and Central Appalachian Cove Forest						Suit
Gastropod	Stenotrema depilatum (Great Smoky Slitmouth)	Southern Appalachian Oak Forest						Suit
Gastropod	Stenotrema depilatum (Great Smoky Slitmouth)	Southern Appalachian Northern Hardwood Forest						Suit
Gastropod	Stenotrema depilatum (Great Smoky Slitmouth)	Southern Appalachian Low-Elevation Pine Forest						Marg
Gastropod	Stenotrema depilatum (Great Smoky Slitmouth)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Gastropod	Stenotrema depilatum (Great Smoky Slitmouth)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Gastropod	Stenotrema depilatum (Great Smoky Slitmouth)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Gastropod	Stenotrema edgarianum (Sequatchie Slitmouth)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Gastropod	Stenotrema edgarianum (Sequatchie Slitmouth)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Gastropod	Stenotrema edgarianum (Sequatchie Slitmouth)	South-Central Interior Mesophytic Forest				Suit		
Gastropod	Stenotrema edgarianum (Sequatchie Slitmouth)	Southern and Central Appalachian Cove Forest				Suit		
Gastropod	Stenotrema edgarianum (Sequatchie Slitmouth)	Southern Appalachian Low-Elevation Pine Forest				Marg		
Gastropod	Stenotrema edgarianum (Sequatchie Slitmouth)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
Gastropod	Stenotrema edgarianum (Sequatchie Slitmouth)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		
Gastropod	Stenotrema exodon (Alabama Slitmouth)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Gastropod	Stenotrema exodon (Alabama Slitmouth)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Gastropod	Stenotrema exodon (Alabama Slitmouth)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Gastropod	Stenotrema exodon (Alabama Slitmouth)	South-Central Interior Mesophytic Forest			Suit	Suit	Suit	
Gastropod	Stenotrema exodon (Alabama Slitmouth)	Southern and Central Appalachian Cove Forest				Suit	Suit	
Gastropod	Stenotrema exodon (Alabama Slitmouth)	Southern Appalachian Oak Forest					Marg	
Gastropod	Stenotrema exodon (Alabama Slitmouth)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Suit	
Gastropod	Stenotrema exodon (Alabama Slitmouth)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	
Gastropod	Stenotrema exodon (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	Amblyscirtes linda (Linda's Roadside Skipper)	East Gulf Coastal Plain Northern Seepage Swamp		Marg				
Insect	Amblyscirtes linda (Linda's Roadside Skipper)	Mississippi River Bottomland Depression	Suit					
Insect	Amblyscirtes linda (Linda's Roadside Skipper)	South-Central Interior Small Stream and Riparian		Suit				
Insect	Callophrys irus (Frosted Elfin)	Central Interior Highlands Dry Acidic Glade and Barrens			Pref			
Insect	Callophrys irus (Frosted Elfin)	Appalachian Shale Barrens				Suit	Suit	
Insect	Callophrys irus (Frosted Elfin)	Central Interior Highlands Calcareous Glade and Barrens			Suit	Suit	Suit	
Insect	Callophrys irus (Frosted Elfin)	Nashville Basin Limestone Glade and Woodland			Suit			
Insect	Callophrys irus (Frosted Elfin)	Cumberland Sandstone Glade and Barrens				Suit		
Insect	Callophrys irus (Frosted Elfin)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Insect	Callophrys irus (Frosted Elfin)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Insect	Callophrys irus (Frosted Elfin)	Western Highland Rim Prairie and Barrens			Suit			
Insect	Callophrys irus (Frosted Elfin)	Eastern Highland Rim Prairie and Barrens			Suit			
Insect	Callophrys irus (Frosted Elfin)	Southern Ridge and Valley Patch Prairie					Suit	
Insect	Callophrys irus (Frosted Elfin)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Insect	Callophrys irus (Frosted Elfin)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Insect	Cicindela ancocisconensis ((a tiger beetle))	Cumberland Riverscour				Pref		
Insect	Cicindela ancocisconensis ((a tiger beetle))	South-Central Interior Small Stream and Riparian				Suit		
Insect	Cicindela ancocisconensis ((a tiger beetle))	South-Central Interior Large Floodplain				Suit		
Insect	Nicrophorus americanus (American Burying Beetle)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Insect	Nicrophorus americanus (American Burying Beetle)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Insect	Nicrophorus americanus (American Burying Beetle)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Insect	Nicrophorus americanus (American Burying Beetle)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Insect	Nicrophorus americanus (American Burying Beetle)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Insect	Nicrophorus americanus (American Burying Beetle)	East Gulf Coastal Plain Limestone Forest		Suit				
Insect	Nicrophorus americanus (American Burying Beetle)	South-Central Interior Mesophytic Forest		Suit				
Insect	Nicrophorus americanus (American Burying Beetle)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Insect	Nicrophorus americanus (American Burying Beetle)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Insect	Nicrophorus americanus (American Burying Beetle)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Insect	Nicrophorus americanus (American Burying Beetle)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Insect	Nicrophorus americanus (American Burying Beetle)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Insect	Nicrophorus americanus (American Burying Beetle)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Insect	Nicrophorus americanus (American Burying Beetle)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit

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	Glaucomys sabrinus coloratus (Carolina Northern Flying Squirrel)	Southern and Central Appalachian Cove Forest						Suit
Mammal	Glaucomys sabrinus coloratus (Carolina Northern Flying Squirrel)	Southern Appalachian Oak Forest						Suit
Mammal	Glaucomys sabrinus coloratus (Carolina Northern Flying Squirrel)	Southern Appalachian Northern Hardwood Forest						Pref
Mammal	Glaucomys sabrinus coloratus (Carolina Northern Flying Squirrel)	Southern Appalachian Montane Pine Forest and Woodland						Suit
Mammal	Glaucomys sabrinus coloratus (Carolina Northern Flying Squirrel)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Mammal	Glaucomys sabrinus coloratus (Carolina Northern Flying Squirrel)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Mammal	Martes pennanti (Fisher)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Mammal	Martes pennanti (Fisher)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Mammal	Martes pennanti (Fisher)	South-Central Interior Mesophytic Forest				Suit		
Mammal	Martes pennanti (Fisher)	Southern and Central Appalachian Cove Forest				Suit		Suit
Mammal	Martes pennanti (Fisher)	Southern Appalachian Oak Forest						Suit
Mammal	Martes pennanti (Fisher)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	Martes pennanti (Fisher)	Southern Appalachian Low-Elevation Pine Forest				Suit		Suit
Mammal	Martes pennanti (Fisher)	Southern Appalachian Montane Pine Forest and Woodland				Suit		Suit
Mammal	Martes pennanti (Fisher)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Mammal	Martes pennanti (Fisher)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit		Suit
Mammal	Martes pennanti (Fisher)	Cumberland Riverscour				Marg		
Mammal	Martes pennanti (Fisher)	South-Central Interior Small Stream and Riparian				Pref		Pref
Mammal	Martes pennanti (Fisher)	South-Central Interior Large Floodplain				Pref		Pref
Mammal	Microtus chrotorrhinus carolinensis (Southern Rock Vole)	Southern and Central Appalachian Cove Forest						Suit
Mammal	Microtus chrotorrhinus carolinensis (Southern Rock Vole)	Southern Appalachian Oak Forest						Suit
Mammal	Microtus chrotorrhinus carolinensis (Southern Rock Vole)	Southern Appalachian Northern Hardwood Forest						Pref
Mammal	Microtus chrotorrhinus carolinensis (Southern Rock Vole)	Southern Appalachian Low-Elevation Pine Forest						Marg
Mammal	Microtus chrotorrhinus carolinensis (Southern Rock Vole)	Southern Appalachian Montane Pine Forest and Woodland						Marg
Mammal	Microtus chrotorrhinus carolinensis (Southern Rock Vole)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Mammal	Microtus chrotorrhinus carolinensis (Southern Rock Vole)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Mammal	Microtus chrotorrhinus carolinensis (Southern Rock Vole)	South-Central Interior Small Stream and Riparian						Pref
Mammal	Microtus chrotorrhinus carolinensis (Southern Rock Vole)	South-Central Interior Large Floodplain						Suit
Mammal	Mustela nivalis (Least Weasel)	Appalachian Shale Barrens				Marg	Suit	Marg
Mammal	Mustela nivalis (Least Weasel)	Central Interior Highlands Calcareous Glade and Barrens				Suit	Suit	
Mammal	Mustela nivalis (Least Weasel)	Cumberland Sandstone Glade and Barrens				Suit		
Mammal	Mustela nivalis (Least Weasel)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Mammal	Mustela nivalis (Least Weasel)	Southern and Central Appalachian Mafic Glade and Barrens						Suit
Mammal	Mustela nivalis (Least Weasel)	Southern Ridge and Valley Patch Prairie					Suit	
Mammal	Mustela nivalis (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	Mustela nivalis (Least Weasel)	South-Central Interior Large Floodplain				Suit	Suit	Suit
Mammal	Mustela nivalis (Least Weasel)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Mustela nivalis (Least Weasel)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Mustela nivalis (Least Weasel)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Mustela nivalis (Least Weasel)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Mustela nivalis (Least Weasel)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Napaeozapus insignis (Woodland Jumping Mouse)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Mammal	Napaeozapus insignis (Woodland Jumping Mouse)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Mammal	Napaeozapus insignis (Woodland Jumping Mouse)	South-Central Interior Mesophytic Forest				Suit	Suit	
Mammal	Napaeozapus insignis (Woodland Jumping Mouse)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Mammal	Napaeozapus insignis (Woodland Jumping Mouse)	Southern Appalachian Oak Forest					Marg	Suit
Mammal	Napaeozapus insignis (Woodland Jumping Mouse)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	Napaeozapus insignis (Woodland Jumping Mouse)	Southern Appalachian Low-Elevation Pine Forest				Marg	Marg	Marg
Mammal	Napaeozapus insignis (Woodland Jumping Mouse)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Mammal	Napaeozapus insignis (Woodland Jumping Mouse)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Mammal	Neotoma floridana haematoreia (Southern Appalachian Woodrat)	Southern and Central Appalachian Cove Forest						Suit
Mammal	Neotoma floridana haematoreia (Southern Appalachian Woodrat)	Southern Appalachian Oak Forest						Suit
Mammal	Neotoma floridana haematoreia (Southern Appalachian Woodrat)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	Neotoma floridana haematoreia (Southern Appalachian Woodrat)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Mammal	Neotoma floridana haematoreia (Southern Appalachian Woodrat)	Southern and Central Appalachian Bog and Fen						Suit
Mammal	Neotoma floridana haematoreia (Southern Appalachian Woodrat)	Southern Appalachian Seepage Wetland						Suit
Mammal	Neotoma floridana haematoreia (Southern Appalachian Woodrat)	South-Central Interior Small Stream and Riparian						Pref
Mammal	Neotoma floridana haematoreia (Southern Appalachian Woodrat)	South-Central Interior Large Floodplain						Suit
Mammal	Neotoma floridana haematoreia (Southern Appalachian Woodrat)	Southern Appalachian Montane Cliff and Talus						Suit
Mammal	Neotoma floridana haematoreia (Southern Appalachian Woodrat)	Southern Interior Calcareous Cliff						Suit
Mammal	Neotoma floridana haematoreia (Southern Appalachian Woodrat)	Southern Interior Sinkhole Wall						Suit
Mammal	Neotoma floridana illinoensis (Eastern Woodrat)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Mammal	Neotoma floridana illinoensis (Eastern Woodrat)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Mammal	Neotoma floridana illinoensis (Eastern Woodrat)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Mammal	Neotoma floridana illinoensis (Eastern Woodrat)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Mammal	Neotoma floridana illinoensis (Eastern Woodrat)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Mammal	Neotoma floridana illinoensis (Eastern Woodrat)	East Gulf Coastal Plain Limestone Forest		Suit				
Mammal	Neotoma floridana illinoensis (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)	Pennyroyal 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	Sorex dispar (Long-tailed Shrew)	Southern Appalachian Oak Forest					Suit	Suit
Mammal	Sorex dispar (Long-tailed Shrew)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	Sorex dispar (Long-tailed Shrew)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Mammal	Sorex dispar (Long-tailed Shrew)	South-Central Interior Small Stream and Riparian				Pref	Pref	Pref
Mammal	Sorex dispar (Long-tailed Shrew)	South-Central Interior Large Floodplain				Suit	Suit	Suit
Mammal	Sorex dispar (Long-tailed Shrew)	Southern Appalachian Montane Cliff and Talus				Suit	Suit	Suit
Mammal	Sorex fumeus (Smoky Shrew)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Mammal	Sorex fumeus (Smoky Shrew)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Mammal	Sorex fumeus (Smoky Shrew)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Mammal	Sorex fumeus (Smoky Shrew)	South-Central Interior Mesophytic Forest			Pref	Suit	Suit	
Mammal	Sorex fumeus (Smoky Shrew)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Mammal	Sorex fumeus (Smoky Shrew)	Southern Appalachian Oak Forest					Suit	Suit
Mammal	Sorex fumeus (Smoky Shrew)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	Sorex fumeus (Smoky Shrew)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Mammal	Sorex fumeus (Smoky Shrew)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Mammal	Sorex fumeus (Smoky Shrew)	Appalachian (Hemlock)-Northern Hardwood Forest				Pref	Pref	Pref
Mammal	Sorex fumeus (Smoky Shrew)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Mammal	Sorex fumeus (Smoky Shrew)	Western Highland Rim Prairie and Barrens			Suit			
Mammal	Sorex fumeus (Smoky Shrew)	Eastern Highland Rim Prairie and Barrens			Suit			
Mammal	Sorex fumeus (Smoky Shrew)	Southern Ridge and Valley Patch Prairie					Suit	
Mammal	Sorex fumeus (Smoky Shrew)	Cumberland Seepage Forest				Suit		
Mammal	Sorex fumeus (Smoky Shrew)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Mammal	Sorex fumeus (Smoky Shrew)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Mammal	Sorex fumeus (Smoky Shrew)	Interior Low Plateau Seepage Fen			Suit			
Mammal	Sorex fumeus (Smoky Shrew)	Southern Appalachian Seepage Wetland						Suit
Mammal	Sorex fumeus (Smoky Shrew)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Sorex hoyi (American Pygmy Shrew)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Mammal	Sorex hoyi (American Pygmy Shrew)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Mammal	Sorex hoyi (American Pygmy Shrew)	South-Central Interior Mesophytic Forest				Pref	Pref	
Mammal	Sorex hoyi (American Pygmy Shrew)	Southern and Central Appalachian Cove Forest				Pref	Pref	Pref
Mammal	Sorex hoyi (American Pygmy Shrew)	Southern Appalachian Oak Forest					Suit	Suit
Mammal	Sorex hoyi (American Pygmy Shrew)	Southern Appalachian Northern Hardwood Forest						Pref
Mammal	Sorex hoyi (American Pygmy Shrew)	Southern Appalachian Low-Elevation Pine Forest				Marg	Marg	Marg
Mammal	Sorex hoyi (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	Sorex hoyi (American Pygmy Shrew)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Mammal	Sorex hoyi (American Pygmy Shrew)	Southern Ridge and Valley Patch Prairie					Suit	
Mammal	Sorex hoyi (American Pygmy Shrew)	Cumberland Seepage Forest				Suit		
Mammal	Sorex hoyi (American Pygmy Shrew)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Mammal	Sorex hoyi (American Pygmy Shrew)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Suit	Suit	
Mammal	Sorex hoyi (American Pygmy Shrew)	Southern Appalachian Seepage Wetland						Suit
Mammal	Sorex hoyi (American Pygmy Shrew)	South-Central Interior Small Stream and Riparian				Suit	Suit	Suit
Mammal	Sorex hoyi (American Pygmy Shrew)	South-Central Interior Large Floodplain				Suit	Suit	Suit
Mammal	Sorex hoyi (American Pygmy Shrew)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Sorex hoyi (American Pygmy Shrew)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Sorex hoyi (American Pygmy Shrew)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Sorex hoyi (American Pygmy Shrew)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
Mammal	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
Mammal	Sorex longirostris (Southeastern Shrew)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Mammal	Sorex longirostris (Southeastern Shrew)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg	Marg	
Mammal	Sorex longirostris (Southeastern Shrew)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
Mammal	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Mammal	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Mammal	Sorex longirostris (Southeastern Shrew)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Mammal	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Limestone Forest		Marg				
Mammal	Sorex longirostris (Southeastern Shrew)	South-Central Interior Mesophytic Forest		Suit	Suit	Pref	Pref	
Mammal	Sorex longirostris (Southeastern Shrew)	Southern and Central Appalachian Cove Forest				Pref	Pref	Suit
Mammal	Sorex longirostris (Southeastern Shrew)	Southern Appalachian Oak Forest					Marg	Marg
Mammal	Sorex longirostris (Southeastern Shrew)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	Sorex longirostris (Southeastern Shrew)	Southern Appalachian Low-Elevation Pine Forest			Marg	Marg	Marg	Marg
Mammal	Sorex longirostris (Southeastern Shrew)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Mammal	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Mammal	Sorex longirostris (Southeastern Shrew)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Mammal	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Mammal	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Mammal	Sorex longirostris (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	Sorex longirostris (Southeastern Shrew)	Western Highland Rim Prairie and Barrens			Suit			
Mammal	Sorex longirostris (Southeastern Shrew)	Eastern Highland Rim Prairie and Barrens			Suit			
Mammal	Sorex longirostris (Southeastern Shrew)	Southern Ridge and Valley Patch Prairie					Suit	
Mammal	Sorex longirostris (Southeastern Shrew)	Mississippi River Low Floodplain (Bottomland) Forest	Pref					
Mammal	Sorex longirostris (Southeastern Shrew)	Mississippi River Riparian Forest	Pref					
Mammal	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
Mammal	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Mammal	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Mammal	Sorex longirostris (Southeastern Shrew)	Cumberland Seepage Forest				Suit		
Mammal	Sorex longirostris (Southeastern Shrew)	Southern and Central Appalachian Bog and Fen					Pref	Pref
Mammal	Sorex longirostris (Southeastern Shrew)	Mississippi River Bottomland Depression	Suit					
Mammal	Sorex longirostris (Southeastern Shrew)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Mammal	Sorex longirostris (Southeastern Shrew)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Mammal	Sorex longirostris (Southeastern Shrew)	Interior Low Plateau Seepage Fen			Suit			
Mammal	Sorex longirostris (Southeastern Shrew)	Southern Appalachian Seepage Wetland						Suit
Mammal	Sorex longirostris (Southeastern Shrew)	South-Central Interior Small Stream and Riparian		Suit	Pref	Pref	Pref	Pref
Mammal	Sorex longirostris (Southeastern Shrew)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Mammal	Sorex longirostris (Southeastern Shrew)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Sorex longirostris (Southeastern Shrew)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Sorex longirostris (Southeastern Shrew)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Sorex longirostris (Southeastern Shrew)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Sorex longirostris (Southeastern Shrew)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Sorex longirostris (Southeastern Shrew)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Sorex longirostris (Southeastern Shrew)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Sorex palustris (American Water Shrew)	Southern and Central Appalachian Bog and Fen						Suit
Mammal	Sorex palustris (American Water Shrew)	Southern Appalachian Seepage Wetland						Suit
Mammal	Sorex palustris (American Water Shrew)	South-Central Interior Small Stream and Riparian						Pref
Mammal	Sorex palustris (American Water Shrew)	South-Central Interior Large Floodplain						Suit
Mammal	Sorex palustris (American Water Shrew)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Mammal	Spilogale putorius (Eastern Spotted Skunk)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Mammal	Spilogale putorius (Eastern Spotted Skunk)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Mammal	Spilogale putorius (Eastern Spotted Skunk)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Mammal	Spilogale putorius (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	Sylvilagus transitionalis (Appalachian Cottontail)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Mammal	Sylvilagus transitionalis (Appalachian Cottontail)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Mammal	Sylvilagus transitionalis (Appalachian Cottontail)	Southern Appalachian Grass and Shrub Bald						Suit
Mammal	Synaptomys cooperi (Southern Bog Lemming)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
Mammal	Synaptomys cooperi (Southern Bog Lemming)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Mammal	Synaptomys cooperi (Southern Bog Lemming)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
Mammal	Synaptomys cooperi (Southern Bog Lemming)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Mammal	Synaptomys cooperi (Southern Bog Lemming)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Mammal	Synaptomys cooperi (Southern Bog Lemming)	Southern Appalachian Oak Forest					Marg	Suit
Mammal	Synaptomys cooperi (Southern Bog Lemming)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	Synaptomys cooperi (Southern Bog Lemming)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Mammal	Synaptomys cooperi (Southern Bog Lemming)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Mammal	Synaptomys cooperi (Southern Bog Lemming)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Mammal	Synaptomys cooperi (Southern Bog Lemming)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Mammal	Synaptomys cooperi (Southern Bog Lemming)	Western Highland Rim Prairie and Barrens			Suit			
Mammal	Synaptomys cooperi (Southern Bog Lemming)	Eastern Highland Rim Prairie and Barrens			Suit			
Mammal	Synaptomys cooperi (Southern Bog Lemming)	Southern Ridge and Valley Patch Prairie					Suit	
Mammal	Synaptomys cooperi (Southern Bog Lemming)	East Gulf Coastal Plain Large River Floodplain Forest		Marg				
Mammal	Synaptomys cooperi (Southern Bog Lemming)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Marg				
Mammal	Synaptomys cooperi (Southern Bog Lemming)	East Gulf Coastal Plain Northern Seepage Swamp		Pref				
Mammal	Synaptomys cooperi (Southern Bog Lemming)	Cumberland Seepage Forest				Pref		
Mammal	Synaptomys cooperi (Southern Bog Lemming)	Southern and Central Appalachian Bog and Fen					Pref	Pref
Mammal	Synaptomys cooperi (Southern Bog Lemming)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Mammal	Synaptomys cooperi (Southern Bog Lemming)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref	Pref	Pref	
Mammal	Synaptomys cooperi (Southern Bog Lemming)	Interior Low Plateau Seepage Fen			Pref			
Mammal	Synaptomys cooperi (Southern Bog Lemming)	Southern Appalachian Seepage Wetland						Pref
Mammal	Synaptomys cooperi (Southern Bog Lemming)	South-Central Interior Small Stream and Riparian		Marg	Suit	Suit	Suit	Suit
Mammal	Synaptomys cooperi (Southern Bog Lemming)	South-Central Interior Large Floodplain			Marg	Marg	Marg	Marg
Mammal	Synaptomys cooperi (Southern Bog Lemming)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Mammal	Tamiasciurus hudsonicus (Red Squirrel)	Southern and Central Appalachian Cove Forest						Suit
Mammal	Tamiasciurus hudsonicus (Red Squirrel)	Southern Appalachian Oak Forest						Marg
Mammal	Tamiasciurus hudsonicus (Red Squirrel)	Southern Appalachian Northern Hardwood Forest						Suit
Mammal	Tamiasciurus hudsonicus (Red Squirrel)	Southern Appalachian Low-Elevation Pine Forest						Marg
Mammal	Tamiasciurus hudsonicus (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)	Pennyroyal 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	Acmella oppositifolia (Creeping Spotflower)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Plant	Acmella oppositifolia (Creeping Spotflower)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Plant	Acmella oppositifolia (Creeping Spotflower)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	Acmella oppositifolia (Creeping Spotflower)	Mississippi River Bottomland Depression	Pref					
Plant	Aconitum reclinatum (Trailing Wolfsbane)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Aconitum reclinatum (Trailing Wolfsbane)	Southern Appalachian Seepage Wetland						Pref
Plant	Acrobolbus ciliatus ((a liverwort))	Southern and Central Appalachian Cove Forest						Suit
Plant	Acrobolbus ciliatus ((a liverwort))	South-Central Interior Small Stream and Riparian						Suit
Plant	Acrobolbus ciliatus ((a liverwort))	Southern Appalachian Spray Cliff						Pref
Plant	Adlumia fungosa (Climbing Fumitory)	South-Central Interior Mesophytic Forest				Suit		
Plant	Adlumia fungosa (Climbing Fumitory)	Southern and Central Appalachian Cove Forest				Suit		Suit
Plant	Adlumia fungosa (Climbing Fumitory)	Cumberland Acidic Cliff and Rockhouse				Suit		
Plant	Adlumia fungosa (Climbing Fumitory)	Southern Appalachian Montane Cliff and Talus				Suit		Suit
Plant	Agalinis auriculata (Earleaved False-foxglove)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Plant	Agalinis auriculata (Earleaved False-foxglove)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Plant	Agalinis auriculata (Earleaved False-foxglove)	Western Highland Rim Prairie and Barrens			Suit			
Plant	Agalinis auriculata (Earleaved False-foxglove)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Agalinis auriculata (Earleaved False-foxglove)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	Agalinis heterophylla (Prairie False-foxglove)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	Agalinis oligophylla (Ridge-stem False-foxglove)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Agalinis setacea (Thread-leaved Gerardia)	Southern Appalachian Montane Pine Forest and Woodland						Suit
Plant	Agastache scrophulariifolia (Purple Giant Hyssop)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Agastache scrophulariifolia (Purple Giant Hyssop)	Southern Appalachian Grass and Shrub Bald						Marg
Plant	Ageratina luciae-brauniae (Lucy Braun's White Snakeroot)	Cumberland Acidic Cliff and Rockhouse				Pref		
Plant	Agrostis mertensii (Arctic Bentgrass)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Plant	Agrostis mertensii (Arctic Bentgrass)	Southern Appalachian Rocky Summit						Pref
Plant	Allium burdickii (Narrow-leaf Ramps)	South-Central Interior Mesophytic Forest			Pref	Pref	Pref	
Plant	Allium burdickii (Narrow-leaf Ramps)	South-Central Interior Small Stream and Riparian			Suit	Suit	Suit	
Plant	Allium stellatum (Glade Onion)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	Allium tricoccum (Ramps)	South-Central Interior Mesophytic Forest			Suit	Suit	Suit	
Plant	Allium tricoccum (Ramps)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Plant	Allium tricoccum (Ramps)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Alnus viridis ssp. crispa (Green Alder)	Central and Southern Appalachian Spruce-Fir Forest						Marg
Plant	Alnus viridis ssp. crispa (Green Alder)	Southern Appalachian Grass and Shrub Bald						Pref
Plant	Amelanchier sanguinea (Roundleaf Shadbush)	Southern Appalachian Oak Forest						Marg

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

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

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	Botrychium matricariifolium (Chamomile Grapefern)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Botrychium matricariifolium (Chamomile Grapefern)	Southern Appalachian Low-Elevation Pine Forest						Suit
Plant	Botrychium matricariifolium (Chamomile Grapefern)	Southern Appalachian Montane Pine Forest and Woodland						Suit
Plant	Botrychium matricariifolium (Chamomile Grapefern)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Plant	Botrychium matricariifolium (Chamomile Grapefern)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	Botrychium oneidense (Blunt-lobed Grapefern)	Southern and Central Appalachian Cove Forest						Suit
Plant	Botrychium oneidense (Blunt-lobed Grapefern)	Southern Appalachian Oak Forest						Suit
Plant	Botrychium oneidense (Blunt-lobed Grapefern)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Botrychium oneidense (Blunt-lobed Grapefern)	Southern and Central Appalachian Bog and Fen						Suit
Plant	Botrychium oneidense (Blunt-lobed Grapefern)	Southern Appalachian Seepage Wetland						Suit
Plant	Botrychium simplex (Least Grape-fern)	Southern Appalachian Northern Hardwood Forest						Pref
Plant	Botrychium simplex (Least Grape-fern)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	Brachydontium trichodes (Peak Moss)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Brachydontium trichodes (Peak Moss)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Plant	Brachydontium trichodes (Peak Moss)	Southern Appalachian Seepage Wetland						Pref
Plant	Brachyelytrum aristosum (Northern Shorthusk)	Southern and Central Appalachian Cove Forest						Pref
Plant	Brachyelytrum aristosum (Northern Shorthusk)	Southern Appalachian Oak Forest						Suit
Plant	Brachyelytrum aristosum (Northern Shorthusk)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Brachyelytrum aristosum (Northern Shorthusk)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Plant	Bryoxiphium norvegicum (Sword Moss)	South-Central Interior Small Stream and Riparian				Suit		Suit
Plant	Bryoxiphium norvegicum (Sword Moss)	Cumberland Acidic Cliff and Rockhouse				Pref		
Plant	Bryoxiphium norvegicum (Sword Moss)	Southern Appalachian Spray Cliff						Pref
Plant	Buckleya distichophylla (Piratebush)	Southern Appalachian Oak Forest					Marg	Pref
Plant	Buckleya distichophylla (Piratebush)	Southern Appalachian Low-Elevation Pine Forest					Marg	Pref
Plant	Buckleya distichophylla (Piratebush)	Southern Appalachian Montane Pine Forest and Woodland						Suit
Plant	Buckleya distichophylla (Piratebush)	South-Central Interior Small Stream and Riparian						Marg
Plant	Calamagrostis cainii (Cain's Reedgrass)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	Calamagrostis cainii (Cain's Reedgrass)	Southern Appalachian Rocky Summit						Pref
Plant	Calamagrostis porteri (Porter's Reedgrass)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Plant	Calamagrostis porteri (Porter's Reedgrass)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	Suit
Plant	Calamagrostis porteri (Porter's Reedgrass)	Southern Appalachian Oak Forest					Suit	Suit
Plant	Calamovilfa arcuata (Cumberland Sand-Grass)	Cumberland Riverscour				Pref		
Plant	Caltha palustris (Marsh Marigold)	Southern and Central Appalachian Bog and Fen						Pref
Plant	Caltha palustris (Marsh Marigold)	South-Central Interior Small Stream and Riparian						Suit
Plant	Campanula aparinoides (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 clematitis (Mountain Bittercress)	Southern Appalachian Oak Forest						Suit
Plant	Cardamine clematitis (Mountain Bittercress)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Cardamine clematitis (Mountain Bittercress)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Plant	Cardamine clematitis (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			

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

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

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

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Plant	Drosera rotundifolia (Roundleaf Sundew)	Southern and Central Appalachian Bog and Fen						Suit
Plant	Drosera rotundifolia (Roundleaf Sundew)	Southern Appalachian Seepage Wetland						Suit
Plant	Drosera rotundifolia (Roundleaf Sundew)	Cumberland Acidic Cliff and Rockhouse				Marg		
Plant	Dryopteris carthusiana (Spinulose Shield Fern)	Southern and Central Appalachian Bog and Fen						Pref
Plant	Dryopteris cristata (Crested Shield-fern)	Southern and Central Appalachian Bog and Fen					Pref	Pref
Plant	Echinacea pallida (Pale-purple Coneflower)	Western Highland Rim Prairie and Barrens			Marg			
Plant	Echinacea pallida (Pale-purple Coneflower)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	Echinacea simulata (Wavy-leaf Purple Coneflower)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	Echinacea tennesseensis (Tennessee Coneflower)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	Echinochloa walteri (Walter's Barnyard Grass)	South-Central Interior Large Floodplain			Pref			
Plant	Echinodorus berteroi (Erect Burhead)	Mississippi River High Floodplain (Bottomland) Forest	Suit					
Plant	Echinodorus berteroi (Erect Burhead)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Plant	Echinodorus berteroi (Erect Burhead)	Mississippi River Bottomland Depression	Pref					
Plant	Eleocharis compressa (Flat-stemmed Spike-rush)	Central Interior Highlands Calcareous Glade and Barrens			Pref			
Plant	Eleocharis compressa (Flat-stemmed Spike-rush)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	Eleocharis equisetoides (Horse-tail Spike-rush)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit		
Plant	Eleocharis equisetoides (Horse-tail Spike-rush)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	Eleocharis intermedia (Matted Spike-rush)	South-Central Interior Small Stream and Riparian			Suit		Suit	
Plant	Eleocharis intermedia (Matted Spike-rush)	South-Central Interior Large Floodplain			Suit		Suit	
Plant	Eleocharis intermedia (Matted Spike-rush)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	Eleocharis intermedia (Matted Spike-rush)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	Eleocharis lanceolata (Lance-like Spike-rush)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Plant	Eleocharis lanceolata (Lance-like Spike-rush)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Eleocharis lanceolata (Lance-like Spike-rush)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Plant	Eleocharis tortilis (Twisted Spike-rush)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				
Plant	Eleocharis wolfii (Wolf Spike-rush)	Nashville Basin Limestone Glade and Woodland			Marg			
Plant	Eleocharis wolfii (Wolf Spike-rush)	Eastern Highland Rim Prairie and Barrens			Marg			
Plant	Eleocharis wolfii (Wolf Spike-rush)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Plant	Eleocharis wolfii (Wolf Spike-rush)	South-Central Interior Small Stream and Riparian			Pref			
Plant	Elodea nuttallii (Nuttall's Waterweed)	Mississippi River High Floodplain (Bottomland) Forest	Suit					
Plant	Elodea nuttallii (Nuttall's Waterweed)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Plant	Elodea nuttallii (Nuttall's Waterweed)	Mississippi River Bottomland Depression	Suit					
Plant	Elodea nuttallii (Nuttall's Waterweed)	South-Central Interior Large Floodplain			Suit		Suit	
Plant	Elodea nuttallii (Nuttall's Waterweed)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit

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

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Plant	Eurybia saxicastellii (Rockcastle Aster)	Cumberland Riverscour				Pref		
Plant	Eurybia schreberi (Schreber's Aster)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	Eurybia schreberi (Schreber's Aster)	Southern Interior Calcareous Cliff					Pref	
Plant	Evolvulus nuttallianus (Evolvulus)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	Festuca paradoxa (Cluster Fescue)	South-Central Interior Mesophytic Forest			Marg			
Plant	Festuca paradoxa (Cluster Fescue)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Festuca paradoxa (Cluster Fescue)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	Festuca paradoxa (Cluster Fescue)	South-Central Interior Small Stream and Riparian		Suit	Suit			
Plant	Fimbristylis perpusilla (Harper's Fimbristylis)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Pref		
Plant	Fimbristylis puberula (Hairy Fimbristylis)	Central Interior Highlands Calcareous Glade and Barrens			Pref			
Plant	Fimbristylis puberula (Hairy Fimbristylis)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	Fimbristylis puberula (Hairy Fimbristylis)	Western Highland Rim Prairie and Barrens			Suit			
Plant	Fimbristylis puberula (Hairy Fimbristylis)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	Fothergilla major (Mountain Witch-alder)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	Suit
Plant	Fothergilla major (Mountain Witch-alder)	Southern Appalachian Oak Forest						Suit
Plant	Fothergilla major (Mountain Witch-alder)	Cumberland Riverscour				Pref		
Plant	Fothergilla major (Mountain Witch-alder)	South-Central Interior Small Stream and Riparian				Suit		
Plant	Frullania obcordata (Swamp Frullania)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	Fuirena squarrosa (Hairy Umbrella-sedge)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Plant	Fuirena squarrosa (Hairy Umbrella-sedge)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Plant	Fuirena squarrosa (Hairy Umbrella-sedge)	Interior Low Plateau Seepage Fen			Suit			
Plant	Fuirena squarrosa (Hairy Umbrella-sedge)	South-Central Interior Small Stream and Riparian		Suit	Suit			Suit
Plant	Fuirena squarrosa (Hairy Umbrella-sedge)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	Funaria americana ((a moss))	Southern Interior Calcareous Cliff					Pref	
Plant	Galium asprellum (Rough Bedstraw)	Southern and Central Appalachian Bog and Fen						Suit
Plant	Galium asprellum (Rough Bedstraw)	Southern Appalachian Seepage Wetland						Suit
Plant	Galium asprellum (Rough Bedstraw)	South-Central Interior Small Stream and Riparian						Suit
Plant	Galium palustre (Marsh Bedstraw)	Southern and Central Appalachian Bog and Fen						Suit
Plant	Galium palustre (Marsh Bedstraw)	Southern Appalachian Seepage Wetland						Suit
Plant	Galium palustre (Marsh Bedstraw)	South-Central Interior Small Stream and Riparian						Suit
Plant	Galium uniflorum (Fragrant Bedstraw)	South-Central Interior Small Stream and Riparian					Suit	
Plant	Gaylussacia dumosa (Dwarf Huckleberry)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	Gaylussacia dumosa (Dwarf Huckleberry)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	Gelsemium sempervirens (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	Gelsemium sempervirens (Yellow Jessamine)	Southern Appalachian Oak Forest					Suit	Suit
Plant	Gelsemium sempervirens (Yellow Jessamine)	Southern Appalachian Low-Elevation Pine Forest				Suit	Suit	Suit
Plant	Gelsemium sempervirens (Yellow Jessamine)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Plant	Gelsemium sempervirens (Yellow Jessamine)	Cumberland Sandstone Glade and Barrens				Suit		
Plant	Gelsemium sempervirens (Yellow Jessamine)	Cumberland Acidic Cliff and Rockhouse				Suit	Suit	
Plant	Gentiana austromontana (Appalachian Gentian)	Southern and Central Appalachian Cove Forest						Suit
Plant	Gentiana austromontana (Appalachian Gentian)	Southern Appalachian Oak Forest						Suit
Plant	Gentiana austromontana (Appalachian Gentian)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Gentiana austromontana (Appalachian Gentian)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Plant	Gentiana austromontana (Appalachian Gentian)	Southern Appalachian Grass and Shrub Bald						Marg
Plant	Gentiana linearis (Narrow-leaved Gentian)	Southern Appalachian Seepage Wetland						Suit
Plant	Gentiana puberulenta (Downy Gentian)	Nashville Basin Limestone Glade and Woodland			Marg			
Plant	Gentiana puberulenta (Downy Gentian)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Geranium robertianum (Herb-robert)	South-Central Interior Mesophytic Forest			Suit			
Plant	Geranium robertianum (Herb-robert)	Central Interior Calcareous Cliff and Talus			Pref			
Plant	Geum aleppicum (Yellow Avens)	Southern and Central Appalachian Bog and Fen						Pref
Plant	Geum geniculatum (Bent Avens)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Geum geniculatum (Bent Avens)	Southern Appalachian Seepage Wetland						Pref
Plant	Geum laciniatum (Rough Avens)	South-Central Interior Large Floodplain						Pref
Plant	Geum radiatum (Spreading Avens)	Southern Appalachian Grass and Shrub Bald						Pref
Plant	Geum radiatum (Spreading Avens)	Southern Appalachian Rocky Summit						Pref
Plant	Glyceria acutiflora (Sharp-scaled Mannagrass)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref	Pref		
Plant	Glyceria laxa (Northern Mannagrass)	Southern and Central Appalachian Bog and Fen						Pref
Plant	Glyceria laxa (Northern Mannagrass)	Southern Appalachian Seepage Wetland						Suit
Plant	Glyceria nubigena (Smoky Mountains Mannagrass)	Southern Appalachian Seepage Wetland						Pref
Plant	Goodyera repens (Dwarf Rattlesnake-plantain)	South-Central Interior Mesophytic Forest					Marg	
Plant	Goodyera repens (Dwarf Rattlesnake-plantain)	Southern and Central Appalachian Cove Forest					Suit	Pref
Plant	Gratiola floridana (Florida Hedge-hyssop)	South-Central Interior Small Stream and Riparian			Marg		Marg	
Plant	Gratiola floridana (Florida Hedge-hyssop)	South-Central Interior Large Floodplain			Suit		Suit	
Plant	Grimmia olneyi (Grimmia Moss)	Cumberland Acidic Cliff and Rockhouse					Suit	
Plant	Grimmia olneyi (Grimmia Moss)	Southern Appalachian Montane Cliff and Talus						Suit
Plant	Grimmia olneyi (Grimmia Moss)	Southern Interior Calcareous Cliff					Suit	
Plant	Gymnomitrion laceratum ((a liverwort))	Southern Appalachian Montane Cliff and Talus						Suit
Plant	Gymnomitrion laceratum ((a liverwort))	Southern Appalachian Rocky Summit						Suit
Plant	Gymnopogon brevifolius (Broad-leaved Beardgrass)	Eastern Highland Rim Prairie and Barrens			Pref			

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

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
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

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
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	Juncus trifidus (Highland Rush)	Southern Appalachian Rocky Summit						Pref
Plant	Jungermannia fossombronioides ((a liverwort))	Cumberland Riverscour				Marg		
Plant	Jungermannia fossombronioides ((a liverwort))	South-Central Interior Small Stream and Riparian				Pref		Pref
Plant	Jungermannia fossombronioides ((a liverwort))	Southern Appalachian Spray Cliff				Suit		Suit
Plant	Jungermannia pyriflora ((a liverwort))	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Jungermannia pyriflora ((a liverwort))	South-Central Interior Small Stream and Riparian						Suit
Plant	Krigia montana (False Dandelion)	Southern Appalachian Rocky Summit						Pref
Plant	Lachnanthes caroliana (Carolina Redroot)	Eastern Highland Rim Prairie and Barrens			Marg			
Plant	Lachnanthes caroliana (Carolina Redroot)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref			
Plant	Lachnocaulon anceps (Bog-buttons)	Cumberland Wet-Mesic Meadow and Savanna				Marg		
Plant	Lachnocaulon anceps (Bog-buttons)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Pref		
Plant	Lathyrus palustris (Marsh Pea)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Lathyrus palustris (Marsh Pea)	South-Central Interior Small Stream and Riparian			Pref	Pref	Pref	
Plant	Leavenworthia exigua var. exigua (Glade-cress)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit	Suit	Suit	
Plant	Leavenworthia exigua var. exigua (Glade-cress)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	Leavenworthia exigua var. exigua (Glade-cress)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Plant	Leavenworthia exigua var. lutea (Pasture Glade-cress)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	Lechea pulchella (Leggett's Pinweed)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	Lejeunea blomquistii (Blomquist Leafy Liverwort)	South-Central Interior Small Stream and Riparian				Suit		Pref
Plant	Lejeunea blomquistii (Blomquist Leafy Liverwort)	Southern Appalachian Spray Cliff				Suit		Suit
Plant	Lejeunea blomquistii (Blomquist Leafy Liverwort)	Southern Appalachian Montane Cliff and Talus				Suit		Suit
Plant	Lejeunea sharpii (Sharp's Lejeunea)	South-Central Interior Small Stream and Riparian			Suit	Suit	Suit	Suit
Plant	Lejeunea sharpii (Sharp's Lejeunea)	Central Interior Calcareous Cliff and Talus			Marg			
Plant	Lejeunea sharpii (Sharp's Lejeunea)	Southern Interior Calcareous Cliff					Suit	Suit
Plant	Lejeunea sharpii (Sharp's Lejeunea)	Southern Interior Sinkhole Wall			Pref	Suit	Suit	Suit
Plant	Leptodontium viticulosoides var. sulphureum (Grandfather Mountain Leptodontium)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Plant	Leptohymenium sharpii (Mount Leconte Moss)	Southern Appalachian Seepage Wetland						Pref
Plant	Leptohymenium sharpii (Mount Leconte Moss)	South-Central Interior Small Stream and Riparian						Marg
Plant	Leptohymenium sharpii (Mount Leconte Moss)	Southern Appalachian Spray Cliff						Suit
Plant	Leptoscyphus cuneifolius ((a liverwort))	Central and Southern Appalachian Spruce-Fir Forest						Pref
Plant	Lespedeza angustifolia (Narrowleaf Bushclover)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	Leucothoe racemosa (Fetter-bush)	Cumberland Riverscour				Pref		
Plant	Leucothoe racemosa (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	Leucothoe racemosa (Fetter-bush)	South-Central Interior Large Floodplain					Marg	
Plant	Liatris cylindracea (Slender Blazing-star)	Central Interior Highlands Calcareous Glade and Barrens			Suit	Suit	Suit	
Plant	Liatris cylindracea (Slender Blazing-star)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	Liatris cylindracea (Slender Blazing-star)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Plant	Liatris cylindracea (Slender Blazing-star)	Western Highland Rim Prairie and Barrens			Suit			
Plant	Liatris cylindracea (Slender Blazing-star)	Southern Ridge and Valley Patch Prairie					Marg	
Plant	Liatris pilosa (Shaggy Blazing Star)	Cumberland Riverscour				Pref		
Plant	Lilium canadense (Canada Lily)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Plant	Lilium canadense (Canada Lily)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Plant	Lilium canadense (Canada Lily)	Southern Appalachian Oak Forest					Marg	Marg
Plant	Lilium canadense (Canada Lily)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Lilium canadense (Canada Lily)	South-Central Interior Small Stream and Riparian		Pref	Pref	Pref	Pref	Pref
Plant	Lilium canadense (Canada Lily)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	Lilium grayi (Gray's Lily)	Southern Appalachian Grass and Shrub Bald						Pref
Plant	Lilium grayi (Gray's Lily)	Southern and Central Appalachian Bog and Fen						Suit
Plant	Lilium grayi (Gray's Lily)	Southern Appalachian Seepage Wetland						Suit
Plant	Lilium michiganense (Michigan Lily)	South-Central Interior Mesophytic Forest		Suit	Pref	Suit	Suit	
Plant	Lilium michiganense (Michigan Lily)	Southern and Central Appalachian Cove Forest				Suit	Suit	
Plant	Lilium michiganense (Michigan Lily)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Lilium michiganense (Michigan Lily)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	Lilium michiganense (Michigan Lily)	Cumberland Seepage Forest				Suit		
Plant	Lilium michiganense (Michigan Lily)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Plant	Lilium michiganense (Michigan Lily)	Interior Low Plateau Seepage Fen			Suit			
Plant	Lilium michiganense (Michigan Lily)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	
Plant	Lilium philadelphicum (Wood Lily)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Plant	Lilium philadelphicum (Wood Lily)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
Plant	Lilium philadelphicum (Wood Lily)	Southern Appalachian Oak Forest					Suit	
Plant	Lilium philadelphicum (Wood Lily)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	Linnaea borealis (Twinflower)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Linnaea borealis (Twinflower)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Plant	Liparis loeselii (Fen Orchid)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Plant	Liparis loeselii (Fen Orchid)	Interior Low Plateau Seepage Fen			Pref			
Plant	Liparis loeselii (Fen Orchid)	South-Central Interior Small Stream and Riparian			Suit	Suit	Suit	Suit
Plant	Liparis loeselii (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	Liparis loeselii (Fen Orchid)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	Liparis loeselii (Fen Orchid)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	Listera australis (Southern Twayblade)	Eastern Highland Rim Prairie and Barrens			Marg			
Plant	Listera australis (Southern Twayblade)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Plant	Listera australis (Southern Twayblade)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	Listera australis (Southern Twayblade)	Cumberland Seepage Forest				Suit		
Plant	Listera australis (Southern Twayblade)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Plant	Lobelia amoena (Southern Lobelia)	Southern Appalachian Seepage Wetland						Pref
Plant	Lobelia amoena (Southern Lobelia)	South-Central Interior Small Stream and Riparian						Suit
Plant	Lobelia canbyi (Canby's Lobelia)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	Lobelia canbyi (Canby's Lobelia)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	Lobelia canbyi (Canby's Lobelia)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Suit		
Plant	Lonicera canadensis (American Fly-honeysuckle)	Southern and Central Appalachian Cove Forest						Suit
Plant	Lonicera canadensis (American Fly-honeysuckle)	Southern Appalachian Northern Hardwood Forest						Pref
Plant	Lonicera canadensis (American Fly-honeysuckle)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Plant	Lonicera canadensis (American Fly-honeysuckle)	Appalachian (Hemlock)-Northern Hardwood Forest						Suit
Plant	Lonicera canadensis (American Fly-honeysuckle)	Southern and Central Appalachian Bog and Fen						Suit
Plant	Lonicera canadensis (American Fly-honeysuckle)	Southern Appalachian Seepage Wetland						Suit
Plant	Lonicera canadensis (American Fly-honeysuckle)	South-Central Interior Small Stream and Riparian						Suit
Plant	Lonicera dioica (Mountain Honeysuckle)	Southern and Central Appalachian Cove Forest					Suit	Suit
Plant	Lonicera dioica (Mountain Honeysuckle)	Southern Appalachian Oak Forest					Suit	Suit
Plant	Lonicera dioica (Mountain Honeysuckle)	Southern Appalachian Seepage Wetland						Suit
Plant	Lonicera dioica (Mountain Honeysuckle)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	Lonicera dioica (Mountain Honeysuckle)	Southern Interior Calcareous Cliff					Suit	Suit
Plant	Lonicera flava (Yellow Honeysuckle)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Marg		
Plant	Lonicera flava (Yellow Honeysuckle)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	Lonicera prolifera (Grape Honeysuckle)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	Lonicera prolifera (Grape Honeysuckle)	Central Interior Calcareous Cliff and Talus			Suit			
Plant	Lophocolea appalachiana ((a liverwort))	South-Central Interior Small Stream and Riparian				Suit		Suit
Plant	Lophocolea appalachiana ((a liverwort))	Cumberland Acidic Cliff and Rockhouse				Suit		
Plant	Lophocolea appalachiana ((a liverwort))	Southern Appalachian Spray Cliff						Suit
Plant	Lophocolea muricata ((a liverwort))	Southern and Central Appalachian Cove Forest						Suit
Plant	Ludwigia sphaerocarpa (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	Lycopodiella alopecuroides (Foxtail Clubmoss)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	Lycopodiella alopecuroides (Foxtail Clubmoss)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	Lycopodium dendroideum (Treelike Clubmoss)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Lycopodium dendroideum (Treelike Clubmoss)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Plant	Lycopodium dendroideum (Treelike Clubmoss)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	Lysimachia fraseri (Fraser's Loosestrife)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Plant	Lysimachia fraseri (Fraser's Loosestrife)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	Lysimachia fraseri (Fraser's Loosestrife)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Plant	Lysimachia fraseri (Fraser's Loosestrife)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	Suit
Plant	Lysimachia fraseri (Fraser's Loosestrife)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Plant	Lysimachia fraseri (Fraser's Loosestrife)	Southern Appalachian Oak Forest					Suit	Suit
Plant	Lysimachia fraseri (Fraser's Loosestrife)	Southern Appalachian Low-Elevation Pine Forest						Suit
Plant	Lysimachia fraseri (Fraser's Loosestrife)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Plant	Lysimachia quadriflora (Four-flowered Loosestrife)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	Lysimachia quadriflora (Four-flowered Loosestrife)	South-Central Interior Small Stream and Riparian					Suit	
Plant	Lysimachia terrestris (Swamp Loosestrife)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Lysimachia terrestris (Swamp Loosestrife)	Southern and Central Appalachian Bog and Fen						Pref
Plant	Lysimachia terrestris (Swamp Loosestrife)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Plant	Lysimachia terrestris (Swamp Loosestrife)	South-Central Interior Large Floodplain						Marg
Plant	Lysimachia x producta (Loosestrife)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Lysimachia x producta (Loosestrife)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref			
Plant	Magnolia virginiana (Sweetbay Magnolia)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Plant	Magnolia virginiana (Sweetbay Magnolia)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	Magnolia virginiana (Sweetbay Magnolia)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Plant	Magnolia virginiana (Sweetbay Magnolia)	South-Central Interior Small Stream and Riparian		Suit				Suit
Plant	Magnolia virginiana (Sweetbay Magnolia)	South-Central Interior Large Floodplain						Suit
Plant	Maianthemum stellatum (Starflower False Solomon's-seal)	South-Central Interior Small Stream and Riparian			Pref		Pref	
Plant	Marshallia grandiflora (Large-flowered Barbara’s-Buttons)	Cumberland Riverscour				Pref		
Plant	Marshallia obovata (Piedmont Barbara’s-buttons)	Southern Appalachian Low-Elevation Pine Forest						Marg
Plant	Marshallia obovata (Piedmont Barbara’s-buttons)	South-Central Interior Small Stream and Riparian						Marg
Plant	Marshallia trinervia (Broad-leaved Barbara’s-buttons)	Interior Low Plateau Seepage Fen			Suit			
Plant	Marshallia trinervia (Broad-leaved Barbara’s-buttons)	South-Central Interior Small Stream and Riparian			Pref			
Plant	Marsupella funckii ((a liverwort))	Central and Southern Appalachian Spruce-Fir Forest						Suit

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

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

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

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

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
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				

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	Ponthieva racemosa (Shadow-witch)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Plant	Porella gracillima (Hot Porella)	Southern Interior Calcareous Cliff						Suit
Plant	Porella gracillima (Hot Porella)	Southern Interior Sinkhole Wall						Pref
Plant	Porella wataugensis (Watauga Porella)	Southern Appalachian Spray Cliff						Suit
Plant	Porella wataugensis (Watauga Porella)	Southern Appalachian Montane Cliff and Talus						Pref
Plant	Potamogeton amplifolius (Large-leaf Pondweed)	South-Central Interior Small Stream and Riparian			Pref	Pref	Pref	Pref
Plant	Potamogeton amplifolius (Large-leaf Pondweed)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	Potamogeton epihydrus (Nuttall's Pondweed)	South-Central Interior Small Stream and Riparian				Pref	Pref	Pref
Plant	Potamogeton epihydrus (Nuttall's Pondweed)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	Potamogeton tennesseensis (Tennessee Pondweed)	South-Central Interior Small Stream and Riparian				Pref		Pref
Plant	Potamogeton tennesseensis (Tennessee Pondweed)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	Potentilla tridentata (Three-toothed Cinquefoil)	Southern Appalachian Grass and Shrub Bald						Pref
Plant	Potentilla tridentata (Three-toothed Cinquefoil)	Southern Appalachian Rocky Summit						Suit
Plant	Preissia quadrata (Narrow Mushroom-headed Liverwort)	Southern Interior Calcareous Cliff					Pref	
Plant	Prenanthes aspera (Rough Rattlesnake-root)	Western Highland Rim Prairie and Barrens			Suit			
Plant	Prenanthes aspera (Rough Rattlesnake-root)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Prenanthes aspera (Rough Rattlesnake-root)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Plant	Prenanthes barbata (Bearded Rattlesnake-root)	Central Interior Highlands Calcareous Glade and Barrens			Suit			
Plant	Prenanthes barbata (Bearded Rattlesnake-root)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Plant	Prenanthes barbata (Bearded Rattlesnake-root)	Western Highland Rim Prairie and Barrens			Suit			
Plant	Prenanthes crepidinea (Nodding Rattlesnake-root)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Marg			
Plant	Prenanthes crepidinea (Nodding Rattlesnake-root)	South-Central Interior Mesophytic Forest			Suit			
Plant	Prenanthes crepidinea (Nodding Rattlesnake-root)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Plant	Prunus pumila (Sand Cherry)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Prunus pumila (Sand Cherry)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref			
Plant	Prunus virginiana (Choke Cherry)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Plant	Prunus virginiana (Choke Cherry)	Southern and Central Appalachian Cove Forest						Suit
Plant	Prunus virginiana (Choke Cherry)	Southern Appalachian Oak Forest						Suit
Plant	Prunus virginiana (Choke Cherry)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Prunus virginiana (Choke Cherry)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	Pseudognaphalium helleri (Heller's Catfoot)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Plant	Pseudognaphalium helleri (Heller's Catfoot)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	
Plant	Pseudognaphalium helleri (Heller's Catfoot)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	Pycnanthemum beadlei (Beadle's Mountain Mint)	Southern Appalachian Montane Cliff and Talus						Suit
Plant	Pycnanthemum torrei (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	Pycnanthemum torrei (Torrey's Mountain-mint)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Plant	Pycnanthemum torrei (Torrey's Mountain-mint)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	Pyrola americana (American Wintergreen)	Southern Appalachian Oak Forest					Pref	Pref
Plant	Quercus margarettiae (Sand Post Oak)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
Plant	Quercus margarettiae (Sand Post Oak)	Central Interior Highlands Dry Acidic Glade and Barrens		Pref				
Plant	Radula voluta ((a liverwort))	Cumberland Riverscour				Suit		
Plant	Radula voluta ((a liverwort))	Central Interior Calcareous Cliff and Talus			Suit			
Plant	Radula voluta ((a liverwort))	Cumberland Acidic Cliff and Rockhouse				Suit		
Plant	Radula voluta ((a liverwort))	Southern Appalachian Montane Cliff and Talus				Suit		
Plant	Radula voluta ((a liverwort))	Southern Interior Calcareous Cliff						Suit
Plant	Radula voluta ((a liverwort))	Southern Interior Sinkhole Wall			Suit	Suit		Suit
Plant	Ranunculus aquatilis var. diffusus (White Water-buttercup)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Plant	Ranunculus aquatilis var. diffusus (White Water-buttercup)	South-Central Interior Large Floodplain			Suit			
Plant	Ranunculus aquatilis var. diffusus (White Water-buttercup)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	Ranunculus flabellaris (Yellow Water-crowfoot)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Plant	Ranunculus flabellaris (Yellow Water-crowfoot)	Mississippi River Bottomland Depression	Pref					
Plant	Ranunculus flabellaris (Yellow Water-crowfoot)	South-Central Interior Large Floodplain			Suit		Suit	
Plant	Rhachithecium perpusillum (Budding Tortula)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Plant	Rhamnus alnifolia (Alderleaf Buckthorn)	Southern Interior Calcareous Cliff					Pref	
Plant	Rhynchospora alba (White Beakrush)	Southern and Central Appalachian Bog and Fen						Pref
Plant	Rhynchospora caduca (Falling Beaked-rush)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	Rhynchospora caduca (Falling Beaked-rush)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	Rhynchospora capillacea (Horned Beakrush)	South-Central Interior Small Stream and Riparian					Suit	
Plant	Rhynchospora chalarocephala (Loose-headed Beakrush)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	Rhynchospora latifolia (Giant White-top Sedge)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Rhynchospora perplexa (Obscure Beak-rush)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	Rhynchospora perplexa (Obscure Beak-rush)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	Rhynchospora perplexa (Obscure Beak-rush)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit		
Plant	Rhynchospora rariflora (Few-flowered Beak-rush)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Rhynchospora rariflora (Few-flowered Beak-rush)	Cumberland Wet-Mesic Meadow and Savanna				Suit		
Plant	Rhynchospora rariflora (Few-flowered Beak-rush)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref	Suit		
Plant	Rhynchospora wrightiana (Wright's Beak-rush)	Cumberland Seepage Forest				Marg		
Plant	Rhynchospora wrightiana (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	Ribes curvatum (Granite Gooseberry)	Cumberland Sandstone Glade and Barrens				Pref		
Plant	Ribes odoratum (Buffalo Currant)	Central Interior Calcareous Cliff and Talus			Pref			
Plant	Rudbeckia subtomentosa (Sweet Coneflower)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Plant	Ruellia purshiana (Pursh's Wild-petunia)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Plant	Ruellia purshiana (Pursh's Wild-petunia)	Southern Interior Calcareous Cliff					Pref	
Plant	Rugelia nudicaulis (Rugel's Ragwort)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Rugelia nudicaulis (Rugel's Ragwort)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Plant	Sabatia capitata (Cumberland Rose Gentian)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
Plant	Sabatia capitata (Cumberland Rose Gentian)	Cumberland Sandstone Glade and Barrens				Suit		
Plant	Sabatia capitata (Cumberland Rose Gentian)	Cumberland Riverscour				Marg		
Plant	Sabatia capitata (Cumberland Rose Gentian)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Plant	Sacciolepis striata (Gibbous Panic-grass)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	Sacciolepis striata (Gibbous Panic-grass)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Plant	Sacciolepis striata (Gibbous Panic-grass)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Plant	Sacciolepis striata (Gibbous Panic-grass)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	Sagittaria brevirostra (Short-beaked Arrowhead)	South-Central Interior Large Floodplain			Pref			
Plant	Sagittaria graminea (Grassleaf Arrowhead)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref	Pref		
Plant	Sagittaria platyphylla (Ovate-leaved Arrowhead)	Mississippi River Low Floodplain (Bottomland) Forest	Suit					
Plant	Sagittaria platyphylla (Ovate-leaved Arrowhead)	Mississippi River Bottomland Depression	Pref					
Plant	Sagittaria platyphylla (Ovate-leaved Arrowhead)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Plant	Sagittaria platyphylla (Ovate-leaved Arrowhead)	South-Central Interior Large Floodplain			Pref	Pref	Pref	Pref
Plant	Sagittaria platyphylla (Ovate-leaved Arrowhead)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
Plant	Sagittaria rigida (Sessile-fruited Arrowhead)	South-Central Interior Large Floodplain			Suit			
Plant	Salvia azurea var. grandiflora (Blue Sage)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Pref			
Plant	Salvia azurea var. grandiflora (Blue Sage)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Marg				
Plant	Sanguisorba canadensis (Canada Burnet)	Southern and Central Appalachian Bog and Fen						Pref
Plant	Sanguisorba canadensis (Canada Burnet)	Southern Appalachian Seepage Wetland						Suit
Plant	Sarracenia oreophila (Green Pitcher Plant)	Cumberland Seepage Forest				Marg		
Plant	Sarracenia oreophila (Green Pitcher Plant)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Suit		
Plant	Saxifraga caroliniana (Carolina Saxifrage)	Southern Appalachian Spray Cliff						Suit
Plant	Saxifraga caroliniana (Carolina Saxifrage)	Southern Appalachian Montane Cliff and Talus						Pref
Plant	Saxifraga pensylvanica (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 Sunnybell)	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. pensylvanica (Carolina Pink)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest					Suit	
Plant	Silene caroliniana ssp. pensylvanica (Carolina Pink)	Central Interior Highlands Calcareous Glade and Barrens					Marg	
Plant	Silene caroliniana ssp. pensylvanica (Carolina Pink)	Central Appalachian Alkaline Glade and Woodland					Suit	
Plant	Silene caroliniana ssp. pensylvanica (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	Silene ovata (Ovate Catchfly)	Southern and Central Appalachian Cove Forest				Suit		Suit
Plant	Silene ovata (Ovate Catchfly)	Southern Appalachian Oak Forest						Suit
Plant	Silene ovata (Ovate Catchfly)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Silene ovata (Ovate Catchfly)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Plant	Silene regia (Royal Catchfly)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Plant	Silene regia (Royal Catchfly)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Plant	Silene regia (Royal Catchfly)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	Silphium brachiatum (Cumberland Rosinweed)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit		
Plant	Silphium brachiatum (Cumberland Rosinweed)	Central Interior Highlands Calcareous Glade and Barrens				Pref		
Plant	Silphium laciniatum (Compass Plant)	Central Interior Highlands Calcareous Glade and Barrens					Suit	
Plant	Silphium laciniatum (Compass Plant)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Plant	Silphium laciniatum (Compass Plant)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
Plant	Silphium laciniatum (Compass Plant)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Plant	Silphium laciniatum (Compass Plant)	Pennyroyal Karst Plain Prairie and Barrens			Pref			
Plant	Silphium laciniatum (Compass Plant)	Western Highland Rim Prairie and Barrens			Suit			
Plant	Silphium pinnatifidum (Southern Prairie-dock)	Central Interior Highlands Calcareous Glade and Barrens			Suit	Suit	Suit	
Plant	Silphium pinnatifidum (Southern Prairie-dock)	Nashville Basin Limestone Glade and Woodland			Suit			
Plant	Silphium pinnatifidum (Southern Prairie-dock)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Plant	Silphium pinnatifidum (Southern Prairie-dock)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Plant	Silphium pinnatifidum (Southern Prairie-dock)	Western Highland Rim Prairie and Barrens			Suit			
Plant	Silphium pinnatifidum (Southern Prairie-dock)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Silphium pinnatifidum (Southern Prairie-dock)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	Silphium wasiotense (Kentucky Rosinweed)	Southern Appalachian Oak Forest					Suit	
Plant	Smilax laurifolia (Laurel-leaf Greenbrier)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Plant	Smilax laurifolia (Laurel-leaf Greenbrier)	South-Central Interior Small Stream and Riparian					Suit	
Plant	Solidago arenicola (Southern racemose goldenrod)	Cumberland Riverscour				Pref		
Plant	Solidago auriculata (Eared Goldenrod)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Pref		
Plant	Solidago auriculata (Eared Goldenrod)	Central Interior Highlands Calcareous Glade and Barrens				Suit		
Plant	Solidago gattingeri (Gattinger's Goldenrod)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	Solidago lancifolia (Broadleaf Goldenrod)	Southern Appalachian Oak Forest						Suit
Plant	Solidago lancifolia (Broadleaf Goldenrod)	Southern Appalachian Northern Hardwood Forest						Suit

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
Plant	Solidago ptarmicoides (Prairie Goldenrod)	Central Interior Highlands Calcareous Glade and Barrens				Suit	Suit	
Plant	Solidago ptarmicoides (Prairie Goldenrod)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
Plant	Solidago ptarmicoides (Prairie Goldenrod)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	Solidago rupestris (Rock Goldenrod)	Central Interior Calcareous Cliff and Talus			Pref			
Plant	Solidago spithamaea (Blue Ridge Goldenrod)	Southern Appalachian Rocky Summit						Pref
Plant	Solidago stricta var. gracillima (Virginia Goldenrod)	Eastern Highland Rim Prairie and Barrens			Pref			
Plant	Solidago tarda (Late Goldenrod)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg		
Plant	Solidago tarda (Late Goldenrod)	Cumberland Sandstone Glade and Barrens				Pref		
Plant	Sparganium androcladum (Branching Bur-reed)	Southern and Central Appalachian Bog and Fen					Pref	Pref
Plant	Sparganium androcladum (Branching Bur-reed)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit		Suit	
Plant	Sphenolobopsis pearsoni (Sphenolobopsis)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Plant	Spiraea alba (Narrow-leaved Meadow-sweet)	Southern and Central Appalachian Bog and Fen						Suit
Plant	Spiraea virginiana (Virginia Spiraea)	Cumberland Riverscour				Pref		
Plant	Spiraea virginiana (Virginia Spiraea)	South-Central Interior Small Stream and Riparian				Pref		Pref
Plant	Spiranthes lucida (Shining Ladies'-tresses)	Southern and Central Appalachian Bog and Fen					Suit	Suit
Plant	Spiranthes lucida (Shining Ladies'-tresses)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Plant	Spiranthes lucida (Shining Ladies'-tresses)	Interior Low Plateau Seepage Fen			Pref			
Plant	Spiranthes lucida (Shining Ladies'-tresses)	Southern Appalachian Seepage Wetland						Suit
Plant	Spiranthes lucida (Shining Ladies'-tresses)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Plant	Spiranthes lucida (Shining Ladies'-tresses)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Plant	Spiranthes magnicamporum (Great Plains Ladies'-tresses)	Central Interior Highlands Calcareous Glade and Barrens			Suit	Suit	Suit	
Plant	Spiranthes magnicamporum (Great Plains Ladies'-tresses)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Plant	Spiranthes ochroleuca (Yellow Nodding Ladies'-tresses)	Western Highland Rim Prairie and Barrens			Suit			
Plant	Spiranthes odorata (Sweetscent Ladies'-tresses)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit		Suit	
Plant	Spiranthes odorata (Sweetscent Ladies'-tresses)	South-Central Interior Large Floodplain			Marg		Marg	
Plant	Spiranthes odorata (Sweetscent Ladies'-tresses)	Converted Wetland (Lacustrine)			Marg		Marg	
Plant	Spiranthes odorata (Sweetscent Ladies'-tresses)	Converted Wetland (Riverine)			Marg		Marg	
Plant	Spiranthes odorata (Sweetscent Ladies'-tresses)	Converted Wetland (Palustrine)			Marg		Marg	
Plant	Sporobolus heterolepis (Northern Dropseed)	Nashville Basin Limestone Glade and Woodland			Pref			
Plant	Sporobolus junceus (Pinelands Dropseed)	Cumberland Riverscour				Suit		
Plant	Stachys clingmanii (Clingman's Hedge-nettle)	Southern and Central Appalachian Cove Forest						Pref
Plant	Stachys clingmanii (Clingman's Hedge-nettle)	Southern Appalachian Oak Forest						Suit
Plant	Stachys clingmanii (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	Stellaria alsine (Trailing Stitchwort)	Southern and Central Appalachian Bog and Fen						Suit
Plant	Stellaria alsine (Trailing Stitchwort)	Southern Appalachian Seepage Wetland						Suit
Plant	Stellaria alsine (Trailing Stitchwort)	Converted Wetland (Palustrine)						Marg
Plant	Stellaria fontinalis (Water Stitchwort)	South-Central Interior Small Stream and Riparian			Pref			
Plant	Stellaria fontinalis (Water Stitchwort)	South-Central Interior Large Floodplain			Suit			
Plant	Stellaria fontinalis (Water Stitchwort)	Central Interior Calcareous Cliff and Talus			Marg			
Plant	Stellaria longifolia (Longleaf Stitchwort)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	Stellaria longifolia (Longleaf Stitchwort)	Southern and Central Appalachian Bog and Fen						Pref
Plant	Stellaria longifolia (Longleaf Stitchwort)	Southern Appalachian Seepage Wetland						Marg
Plant	Streptopus amplexifolius (White Mandarin)	Southern Appalachian Northern Hardwood Forest						Suit
Plant	Streptopus amplexifolius (White Mandarin)	Central and Southern Appalachian Spruce-Fir Forest						Pref
Plant	Streptopus roseus (Rosy Twisted-stalk)	Southern and Central Appalachian Cove Forest						Suit
Plant	Streptopus roseus (Rosy Twisted-stalk)	Southern Appalachian Oak Forest						Suit
Plant	Streptopus roseus (Rosy Twisted-stalk)	Southern Appalachian Northern Hardwood Forest						Pref
Plant	Streptopus roseus (Rosy Twisted-stalk)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Plant	Streptopus roseus (Rosy Twisted-stalk)	Southern Appalachian Grass and Shrub Bald						Suit
Plant	Streptopus roseus (Rosy Twisted-stalk)	Southern Appalachian Rocky Summit						Suit
Plant	Stylisma humistrata (Southern Morning-glory)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	Sullivantia sullivantii (Sullivantia)	Southern Interior Calcareous Cliff					Pref	
Plant	Symphyotrichum praealtum (Willow Aster)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Plant	Symphyotrichum praealtum (Willow Aster)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Plant	Symphyotrichum praealtum (Willow Aster)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Plant	Symphyotrichum praealtum (Willow Aster)	Southern and Central Appalachian Bog and Fen						Suit
Plant	Symphyotrichum praealtum (Willow Aster)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Plant	Symphyotrichum praealtum (Willow Aster)	South-Central Interior Small Stream and Riparian		Suit	Suit			Suit
Plant	Symphyotrichum praealtum (Willow Aster)	South-Central Interior Large Floodplain			Suit			Suit
Plant	Symphyotrichum praealtum (Willow Aster)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	Symphyotrichum praealtum (Willow Aster)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	Symphyotrichum praealtum (Willow Aster)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
Plant	Symphyotrichum pratense (Barrens Silky Aster)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg		
Plant	Symphyotrichum pratense (Barrens Silky Aster)	Central Interior Highlands Calcareous Glade and Barrens			Pref			
Plant	Symphyotrichum pratense (Barrens Silky Aster)	Eastern Highland Rim Prairie and Barrens			Suit			
Plant	Symphyotrichum pratense (Barrens Silky Aster)	Southern Ridge and Valley Patch Prairie					Suit	
Plant	Symphyotrichum pratense (Barrens Silky Aster)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit

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

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

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

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
		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			

Taxa Group	Scientific & Common Name	Habitat type (ecological system)	MAP	UGCP	ILP	CPM	RV	SBR
		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
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Pref				
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Appalachian (Hemlock)-Northern Hardwood Forest				Marg	Marg	Marg
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Central Interior Highlands Dry Acidic Glade and Barrens		Marg	Marg			
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Central Interior Highlands Calcareous Glade and Barrens		Marg	Marg	Marg	Marg	
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Nashville Basin Limestone Glade and Woodland			Marg			
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Cumberland Sandstone Glade and Barrens				Marg		
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Southern and Central Appalachian Mafic Glade and Barrens						Marg
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Western Highland Rim Prairie and Barrens			Suit			
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Eastern Highland Rim Prairie and Barrens			Suit			
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Southern Ridge and Valley Patch Prairie					Suit	
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Cumberland Seepage Forest				Marg		
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Southern and Central Appalachian Bog and Fen					Marg	Marg
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Southern Appalachian Seepage Wetland						Marg
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Southern Appalachian Montane Cliff and Talus				Marg	Marg	Marg
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
Reptile	Heterodon platirhinos (Eastern Hognosed Snake)	Excavated Land (Strip Mine / Road Cut / Rock Quarry /	Marg	Marg	Marg	Marg	Marg	Marg

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)	Pennyroyal 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	Sistrurus miliarius streckeri (Western Pygmy Rattlesnake)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
Reptile	Sistrurus miliarius streckeri (Western Pygmy Rattlesnake)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
Reptile	Sistrurus miliarius streckeri (Western Pygmy Rattlesnake)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit			
Reptile	Sistrurus miliarius streckeri (Western Pygmy Rattlesnake)	Interior Low Plateau Seepage Fen			Marg			
Reptile	Sistrurus miliarius streckeri (Western Pygmy Rattlesnake)	South-Central Interior Small Stream and Riparian		Pref	Suit			
Reptile	Sistrurus miliarius streckeri (Western Pygmy Rattlesnake)	South-Central Interior Large Floodplain			Pref			
Reptile	Terrapene carolina (Eastern Box Turtle)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
Reptile	Terrapene carolina (Eastern Box Turtle)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
Reptile	Terrapene carolina (Eastern Box Turtle)	Southern Interior Low Plateau Dry-Mesic Oak Forest			Suit			
Reptile	Terrapene carolina (Eastern Box Turtle)	Southern Ridge and Valley / Cumberland Dry Calcareous Forest				Suit	Suit	
Reptile	Terrapene carolina (Eastern Box Turtle)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	Suit
Reptile	Terrapene carolina (Eastern Box Turtle)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
Reptile	Terrapene carolina (Eastern Box Turtle)	East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest		Suit				
Reptile	Terrapene carolina (Eastern Box Turtle)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
Reptile	Terrapene carolina (Eastern Box Turtle)	East Gulf Coastal Plain Limestone Forest		Suit				
Reptile	Terrapene carolina (Eastern Box Turtle)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
Reptile	Terrapene carolina (Eastern Box Turtle)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
Reptile	Terrapene carolina (Eastern Box Turtle)	Southern Appalachian Oak Forest					Suit	Suit
Reptile	Terrapene carolina (Eastern Box Turtle)	Southern Appalachian Northern Hardwood Forest						Suit
Reptile	Terrapene carolina (Eastern Box Turtle)	Southern Appalachian Low-Elevation Pine Forest			Suit	Suit	Suit	Suit
Reptile	Terrapene carolina (Eastern Box Turtle)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit
Reptile	Terrapene carolina (Eastern Box Turtle)	Central and Southern Appalachian Spruce-Fir Forest						Suit
Reptile	Terrapene carolina (Eastern Box Turtle)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
Reptile	Terrapene carolina (Eastern Box Turtle)	Appalachian (Hemlock)-Northern Hardwood Forest				Suit	Suit	Suit
Reptile	Terrapene carolina (Eastern Box Turtle)	Central Interior Highlands Dry Acidic Glade and Barrens		Marg	Marg			
Reptile	Terrapene carolina (Eastern Box Turtle)	Appalachian Shale Barrens				Marg	Marg	Marg
Reptile	Terrapene carolina (Eastern Box Turtle)	Central Interior Highlands Calcareous Glade and Barrens		Marg	Marg	Marg	Marg	
Reptile	Terrapene carolina (Eastern Box Turtle)	Nashville Basin Limestone Glade and Woodland			Marg			
Reptile	Terrapene carolina (Eastern Box Turtle)	Cumberland Sandstone Glade and Barrens				Marg		
Reptile	Terrapene carolina (Eastern Box Turtle)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg	
Reptile	Terrapene carolina (Eastern Box Turtle)	Central Appalachian Alkaline Glade and Woodland					Marg	
Reptile	Terrapene carolina (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)	Pennyroyal 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)	Pennyroyal Karst Plain Prairie and Barrens			Suit			

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

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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	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	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	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	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	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 lower 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	Livestock farming & ranching	Agricultural conversion (livestock, mostly historical)
			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.

TENNESSEE WILDLIFE RESOURCES AGENCY

NATIONAL WILDLIFE FEDERATION

The Nature Conservancy
Protecting nature. Preserving life.

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 disapear.

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

- Tennessee has 77 amphibians including 21 species of frogs and 56 species of salamanders, making it the third most diverse state in amphibians.
- 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.
- 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.
- Tennessee is one of the nations most karst rich states. It is estimated that Tennessee has more than 9,000 caves.
- 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.

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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 specie sand 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)

Tennessee State Wildlife Action Plan 2015

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	Reduc e 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	Conduct research and monitoring programs to address the following types of questions: • 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 (*Picea rubens).*
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	Conduct research to address outstanding knowledge gaps, including: • 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	Conduct research and monitoring efforts to address questions such as the following: • 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	Conduct research to address outstanding knowledge gaps, including: • 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 *Pseudogymnoascus destructans* 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.