

***APPENDIX D. Habitat Information for GCN Species***



CWCS Habitat Hierarchy for Tennessee					
Level 1	Level 2	Level 3	Level 4	Level 5	
Habitat Category	Habitat Class	Habitat Alliance	Habitat Group	Natural Ecological Systems	
Terrestrial	Natural	Forestland	Upland Deciduous Forest	1) Allegheny-Cumberland Dry Oak Forest and Woodland, 2) Central and Southern Appalachian Northern Hardwood Forest, 3) East Gulf Coastal Plain Limestone Forest, 4) East Gulf Coastal Plain Northern Dry Upland Hardwood Forest, 5) East Gulf Coastal Plain Northern Loess Bluff Forest, 6) East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland, 7) East Gulf Coastal Plain Northern Mesic Hardwood Forest, 8) South-Central Interior / Upper Coastal Plain Flatwoods, 9) South-Central Interior Mesophytic Forest, 10) Southern Interior Low Plateau Dry Oak Forest, 11) Southern and Central Appalachian Cove Forest, 12) Southern and Central Appalachian Oak Forest	
			Upland Coniferous Forest	1) Central and Southern Appalachian Spruce-Fir Forest, 2) Southern Appalachian Low Mountain Pine Forest, 3) Southern Appalachian Montane Pine Forest and Woodland	
			Upland Mixed Forest	1) Appalachian Hemlock-Hardwood Forest, 2) East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest	
			Forested Rock Outcrop	1) Allegheny-Cumberland Sandstone Box Canyon and Rockhouse, 2) Central Interior Acidic Cliff and Talus, 3) Central Interior Calcareous Cliff and Talus, 4) Cumberland Acid Cliff, 5) North-Central Appalachian Acidic Cliff and Talus, 6) North-Central Appalachian Circumneutral Cliff and Talus, 7) Southern Appalachian Montane Cliff & Talus, 8) Southern Appalachian Spray Cliff, 9) Southern Interior Calcareous Cliff, 10) Southern Interior Sinkhole Wall	
		Grassland / Woodland	Prairie / Barrens	1) East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland, 2) East Gulf Coastal Plain Jackson Plain Prairie and Barrens, 3) Eastern Highland Rim Prairie and Barrens, 4) Pennyroyal Karst Plain Prairie and Barrens, 5) Southern Ridge and Valley Patch Prairie, 6) Western Highland Rim Prairie and Barrens	
			Glade / Barrens	1) Appalachian Shale Barrens, 2) Central Interior Highlands Calcareous Glade and Barrens, 3) Central Interior Highlands Dry Acidic Glade and Barrens, 4) Cumberland Sandstone Glade and Barrens, 5) Nashville Basin Limestone Glade, 6) Ridge and Valley Calcareous Valley Bottom Glade and Woodland, 7) Southern and Central Appalachian Mafic Glade and Barrens	
			Bald / Summit	1) Southern Appalachian Grass and Shrub Bald, 2) Southern Appalachian Rocky Summit	
		Wetland	Riparian Wetland	1) Cumberland Riverscour, 2) East Gulf Coastal Plain Large River Floodplain Forest, 3) East Gulf Coastal Plain Northern Seepage Swamp 4) East Gulf Coastal Plain Small Stream and River Floodplain Forest, 5) Lower Mississippi River Bottomland and Floodplain Forest, 6) Lower Mississippi River Bottomland Depressions, 7) South-Central Interior Large Floodplain, 8) South-Central Interior Small Stream and Riparian	
			Isolated Wetland	1) Central Interior Highlands and Appalachian Sinkhole and Depression Pond, 2) Cumberland Seepage Forest, 3) South-Central Interior / Upper Coastal Plain Wet Flatwoods, 4) Southern and Central Appalachian Bog and Fen, 5) Southern Appalachian Seepage Wetland, 6) Western Highland Rim Seepage Fen	
		Semi-natural	Forestland	Forest Plantation	(Not applicable)
				Urban / Suburban Managed Forest	(Not applicable)
				Grassland / Woodland	Old Field / Successional
	Grassland / Woodland		Pasture	(Not applicable)	
			Cropland	(Not applicable)	
			Urban / Suburban Managed Grassland	(Not applicable)	
			Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	(Not applicable)	
			Wetland	Converted Wetland (Palustrine)	(Not applicable)
				Converted Wetland (Riverine)	(Not applicable)
	Converted Wetland (Lacustrine)			(Not applicable)	
	Non-natural		Developed Land	Edifice / Other Man-made Structure	(Not applicable)
		Impervious Landscape		(Not applicable)	
	Aquatic	Natural	Riverine	Large River	8 Large River Aquatic Systems - (note: see FWI aquatic system classification for more details)
				Medium River	11 Medium River Aquatic Systems - (note: see FWI aquatic system classification for more details)
Small River				20 Small River Aquatic Systems - (note: see FWI aquatic system classification for more details)	
Creek / Headwater Stream				90 Creek/Headwater Aquatic Systems - (note: see FWI aquatic system classification for more details)	
Semi-natural		Lacustrine	Lake	(note: covered under riverine aquatic systems in FWI)	
		Riverine	Channelized River / Stream	(Not applicable)	
Lacustrine	Reservoir	(Not applicable)			
	Subterranean	Natural	Karst	Cave / Sinkhole	1) Subterrestrial Environments, 2) Subaquatic Environments
Semi-natural		Artificial Karst	Excavated Land (Mine Shaft / Rock Quarry / Tunnel)	(Not applicable)	

DISTRIBUTION OF NATURESERVE TERRESTRIAL ECOLOGICAL SYSTEMS											
Ecological System	Natural	Vegetated	Upland	Wetland	Spatial Scale & Pattern	TN CWCS Ecoregions					
						MSAP	UGCP	ILP	CP&M	R&V	SBR
Allegheny-Cumberland Dry Oak Forest and Woodland	TRUE	TRUE	TRUE	FALSE	1				Yes	Yes	No? (small)
Allegheny-Cumberland Sandstone Box Canyon and Rockhouse	TRUE	FALSE	TRUE	FALSE	2		No?		Yes		
Appalachian Hemlock-Hardwood Forest	TRUE	TRUE	TRUE	FALSE	1				Yes?	Yes?	Yes
Appalachian Shale Barrens	TRUE	FALSE	TRUE	FALSE	3				Yes	Yes	Yes
Central and Southern Appalachian Northern Hardwood Forest	TRUE	TRUE	TRUE	FALSE	2						Yes
Central and Southern Appalachian Spruce-Fir Forest	TRUE	TRUE	TRUE	FALSE	2						Yes
Central Interior Acidic Cliff and Talus	TRUE	FALSE	TRUE	FALSE	3			Yes			
Central Interior Calcareous Cliff and Talus	TRUE	FALSE	TRUE	FALSE	3			Yes			
Central Interior Highlands and Appalachian Sinkhole and Depression Ponc	TRUE	TRUE	FALSE	TRUE	3			Yes	Yes	Yes	
Central Interior Highlands Calcareous Glade and Barrens	TRUE	TRUE	TRUE	FALSE	3		Yes	Yes	No?	No?	
Central Interior Highlands Dry Acidic Glade and Barrens	TRUE	TRUE	TRUE	FALSE	3		Yes	Yes			
Cumberland Acid Cliff (old name = Southern Interior Acid Cliff)	TRUE	FALSE	TRUE	FALSE	3				Yes	No?	
Cumberland Riverscour	TRUE	TRUE	FALSE	TRUE	4				Yes		
Cumberland Sandstone Glade and Barrens	TRUE	TRUE	TRUE	FALSE	3				Yes		
Cumberland Seepage Forest	TRUE	TRUE	FALSE	TRUE	3				Yes	No?	
East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland	TRUE	TRUE	TRUE	FALSE	2		Yes				
East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest	TRUE	TRUE	TRUE	FALSE	1		Yes				
East Gulf Coastal Plain Jackson Plain Prairie and Barrens		TRUE	TRUE	FALSE	2		Yes				
East Gulf Coastal Plain Large River Floodplain Forest	TRUE	TRUE	FALSE	TRUE	4		Yes				
East Gulf Coastal Plain Limestone Forest	TRUE	TRUE	TRUE	FALSE	2		Yes				
East Gulf Coastal Plain Northern Dry Upland Hardwood Forest (old name = East Gulf Coastal Plain N. Pontotoc Ridge, Upper Loam Hills Dry Hardwood Upland)	TRUE	TRUE	TRUE	FALSE	1		Yes				
East Gulf Coastal Plain Northern Loess Bluff Forest	TRUE	TRUE	TRUE	FALSE	2		Yes				
East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland	TRUE	TRUE	TRUE	FALSE	1		Yes				
East Gulf Coastal Plain Northern Mesic Hardwood Forest	TRUE	TRUE	TRUE	FALSE	2		Yes				
East Gulf Coastal Plain Northern Seepage Swamp	TRUE	TRUE	FALSE	TRUE	2		Yes				
East Gulf Coastal Plain Small Stream and River Floodplain Forest	TRUE	TRUE	FALSE	TRUE	4		Yes				
Eastern Highland Rim Prairie and Barrens	TRUE	TRUE	TRUE	FALSE	3			Yes			
Lower Mississippi River Bottomland and Floodplain Forest	TRUE	TRUE	FALSE	TRUE	1	Yes					
Lower Mississippi River Bottomland Depressions	TRUE	TRUE	FALSE	TRUE	2	Yes					
Nashville Basin Limestone Glade	TRUE	TRUE	TRUE	FALSE	3			Yes			
North-Central Appalachian Acidic Cliff and Talus	TRUE	FALSE	TRUE	FALSE	3						Yes
North-Central Appalachian Circumneutral Cliff and Talus	TRUE	FALSE	TRUE	FALSE	3						Yes?
Northeastern Interior Dry Oak Forest	TRUE	TRUE	TRUE	FALSE	1						No?
Pennyroyal Karst Plain Prairie and Barrens	TRUE	TRUE	TRUE	FALSE	3			Yes			
Ridge and Valley Calcareous Valley Bottom Glade and Woodland	TRUE	TRUE	TRUE	FALSE	3						Yes
South-Central Interior Large Floodplain	TRUE	TRUE	TRUE	TRUE	4			Yes	Yes	Yes	Yes
South-Central Interior / Upper Coastal Plain Flatwoods (old name = East Gulf Coastal Plain Jackson Plain Dry Flatwoods)	TRUE	TRUE	TRUE	FALSE	2		Yes	Yes?			
South-Central Interior / Upper Coastal Plain Wet Flatwoods (old name = East Gulf Coastal Plain Jackson Plain Wet Flatwoods)	TRUE	TRUE	FALSE	TRUE	2		Yes	Yes?			
South-Central Interior Mesophytic Forest	TRUE	TRUE	TRUE	FALSE	2		Yes	Yes	Yes	Yes	
South-Central Interior Small Stream and Riparian	TRUE	TRUE	TRUE	TRUE	4		No?	Yes	Yes	Yes	Yes
Southern and Central Appalachian Bog and Fen	TRUE	TRUE	FALSE	TRUE	3					No?	Yes
Southern and Central Appalachian Cove Forest	TRUE	TRUE	TRUE	FALSE	2				Yes	Yes	Yes
Southern and Central Appalachian Mafic Glade and Barrens	TRUE	TRUE	TRUE	FALSE	3						Yes
Southern and Central Appalachian Oak Forest	TRUE	TRUE	TRUE	FALSE	2					Yes	Yes
Southern Appalachian Grass and Shrub Bald	TRUE	TRUE	TRUE	FALSE	3						Yes
Southern Appalachian Low Mountain Pine Forest	TRUE	TRUE	TRUE	FALSE	2			No?	Yes	Yes	Yes
Southern Appalachian Montane Cliff and Talus (old name = Southern Appalachian Montane Cliff)	TRUE	TRUE	TRUE	FALSE	3				Yes?	Yes?	Yes
Southern Appalachian Montane Pine Forest and Woodland (old name = Southern Appalachian Montane Pine Forest)	TRUE	TRUE	TRUE	FALSE	2				Yes	Yes	Yes
Southern Appalachian Rocky Summit	TRUE	FALSE	TRUE	FALSE	2						Yes
Southern Appalachian Seepage Wetland	TRUE	TRUE	FALSE	TRUE	3						Yes
Southern Appalachian Spray Cliff	TRUE	FALSE	TRUE	FALSE	3				Yes?	Yes?	Yes
Southern Interior Calcareous Cliff	TRUE	FALSE	TRUE	FALSE	3				No?	Yes	Yes?
Southern Interior Low Plateau Dry Oak Forest (old name = South-Central Interior Highlands Dry Oak Forest)	TRUE	TRUE	TRUE	FALSE	1			Yes			
Southern Interior Sinkhole Wall	TRUE	FALSE	TRUE	FALSE	3			Yes		Yes	Yes
Southern Ridge and Valley Patch Prairie	TRUE	TRUE	TRUE	FALSE	3					Yes	
Western Highland Rim Prairie and Barrens	TRUE	TRUE	TRUE	FALSE	3			Yes			
Western Highland Rim Seepage Fen	TRUE	TRUE	FALSE	TRUE	3			Yes			

DESCRIPTIONS OF NATURESERVE TERRESTRIAL ECOLOGICAL SYSTEMS	
Ecological System Name	Description
Allegheny-Cumberland Dry Oak Forest and Woodland	This system encompasses dry hardwood forests on predominately acidic substrates in the Allegheny and Cumberland plateaus, and ridges in the Ridge and Valley. This system can also be found as small isolated patches in the Southern Blue Ridge. Its range is more or less consistent with the "Mixed Mesophytic Forest Region" of Braun (1950) and Greller (1988), although it is not a mesic forest type. These forests are typically dominated by <i>Quercus alba</i> , <i>Quercus falcata</i> , <i>Quercus prinus</i> , <i>Quercus coccinea</i> , with lesser amounts of <i>Acer rubrum</i> , <i>Carya glabra</i> , and <i>Carya alba</i> . Small inclusions of <i>Pinus echinata</i> and/or <i>Pinus virginiana</i> may occur, particularly adjacent to escarpments or following fire. In addition, <i>Pinus strobus</i> may be invading some stands in the absence of fire. These occur in a variety of situations, including on nutrient-poor or acidic soils. Sprouts of <i>Castanea dentata</i> can often be found where it was formerly a common tree.
Allegheny-Cumberland Sandstone Box Canyon and Rockhouse	This system includes a mosaic of cavelike features (often called "rockhouses") and associated sandstone box canyons in the western Appalachian foothills regions of Kentucky, Alabama, West Virginia, and possibly southeastern Ohio. The rockhouses are the most unique and diagnostic feature of the system. The unusual geological features are created by spray and rock-cracking from seasonal flowing waterfalls at the heads of canyons amidst thick layers of sandstones from the Pennsylvanian geological period. The ceiling of the rockhouse may be 50 meters tall, and they can be as much as 100 meters deep. They require sufficient flowing water and freezing and thawing to weather the thick beds of sandstone. These conditions seem to be restricted to the western margin of the Appalachian Plateau. Examples of this system usually include a vegetational mosaic that includes hemlock bluffs, sandstone cliffs, overhangs near the base of a cliff (often with sandy area beneath the overhang which is shaded and protected from direct rainfall, as well as glade-like vegetation at the horizontal portion of the cliffs). The rockhouses in the southern parts of the range are habitats for the rare vascular plant species such as <i>Minuartia cumberlandensis</i> and <i>Ageratina luciae-brauniana</i> and sometimes support populations of rare nonvascular plants. In Kentucky, one obligate rare plant is <i>Solidago albobilosa</i> .
Appalachian Hemlock-Hardwood Forest	This forested system of the northeastern U.S. ranges from central New England west to Lake Erie and south to Virginia, continuing down the Appalachians to Georgia. It is one of the matrix forest types in the northern part of the Central Interior and Appalachian Division, in which <i>Tsuga canadensis</i> (or in some cases <i>Pinus strobus</i> ) is mixed with northern hardwoods such as <i>Acer saccharum</i> and <i>Fagus grandifolia</i> , as well as with <i>Quercus</i> spp. (most commonly <i>Quercus rubra</i> ), <i>Liriodendron tulipifera</i> , <i>Prunus serotina</i> , and <i>Betula lenta</i> (or other <i>Betula</i> spp.). It is of more limited extent and more ecologically constrained to the south of this area.
Appalachian Shale Barrens	This system encompasses the distinctive shale barrens of the central and southern Appalachians. These open to partially wooded barrens are found at low to mid elevations. The exposure and lack of soil create extreme conditions for plant growth. Vegetation is mostly classified as woodland but may include large open areas of sparse vegetation. The substrate includes areas of solid rock as well as unstable areas of shale scree, usually steeply sloped. The fully exposed areas are extremely dry. These barrens are high in endemic species.
Central and Southern Appalachian Northern Hardwood Forest	This system consists of hardwood forests of the higher elevation zones of the Southern Appalachians, generally above 4500 feet. Included are classic northern hardwood forests as well as high-elevation oak forests. Thus, examples may be dominated by <i>Quercus rubra</i> or various combinations of mesophytic hardwoods. High-elevation climate is the most important ecological factor. Included in this system are limited areas locally known as "beech gaps" and "boulderfields."
Central and Southern Appalachian Spruce-Fir Forest	This system consists of forests in the highest elevation zone of the Southern Blue Ridge, generally dominated by <i>Picea rubens</i> or <i>Abies fraseri</i> . Examples occur above 5500 feet, up to the highest peaks. Elevation and orographic effects make the climate cool and wet, with heavy moisture input from fog as well as high rainfall. Strong winds, extreme cold, rime ice, and other extreme weather are periodically important.
Central Interior Acidic Cliff and Talus	This system is found primarily in the Interior Highlands including the Ozark, Ouachita, and Interior Low Plateau ecoregions. Sandstone outcrops and talus ranging from moist to dry typify this system. It is typically sparsely vegetated, however, on moister sites with more soil development several fern species and sedges ( <i>Carex</i> spp.) can establish. Wind and water erosion are the major dynamics influencing this system.
Central Interior Calcareous Cliff and Talus	This system is found primarily in non-Appalachian portions of the Central Interior Division. It ranges from the Ouachitas east to the Cumberlands and north into the Western Allegheny Plateau and Lake states. Limestone and dolomite outcrops and talus distinguish this system. Examples range from moist to dry and from sparsely to moderately well-vegetated. Woodland species such as <i>Thuja occidentalis</i> can establish along the ridgetops. Understory species can range from grassland species such as <i>Andropogon gerardii</i> on drier slopes to more mesic species in areas with higher moisture and more soil development. Wind and water erosion along with fire are the primary natural dynamics influencing this system.
Central Interior Highlands and Appalachian Sinkhole and Depression Pond	This system of ponds and wetlands is found in the Interior Highlands of the Ozark, Ouachita, and Interior Low Plateau regions, ranging north from the southern and central Appalachians to the Northern Piedmont regions. Stands occur in basins of sinkholes or other isolated depressions on uplands. Soils are very poorly drained, and surface water may be present for extended periods of time, rarely becoming dry. Water depth may vary greatly on a seasonal basis, and may be a meter deep or more in the winter. Some examples become dry in the summer. Soils may be deep (100 cm or more), consisting of peat or muck, with parent material of peat, muck or alluvium. Ponds vary from open water to herb-, shrub-, or tree-dominated systems. Tree-dominated examples typically contain <i>Quercus</i> species, <i>Platanus occidentalis</i> , <i>Fraxinus pennsylvanica</i> , <i>Acer saccharinum</i> or <i>Nyssa</i> species, or a combination of these. In addition, <i>Liquidambar styraciflua</i> may be present in southern examples. <i>Cephalanthus occidentalis</i> is a typical shrub component. The herbaceous layer is widely variable depending on geography.
Central Interior Highlands Calcareous Glade and Barrens	This system is found primarily in the Interior Highlands of the Ozark, Ouachita, and Interior Low Plateau regions along moderate to steep slopes and steep valleys on primarily southerly to westerly facing slopes. Limestone and/or dolomite bedrock typify this system with shallow, moderately to well-drained soils interspersed with rocks. These soils often dry out during the summer and autumn, and then become saturated during the winter and spring. <i>Schizachyrium scoparium</i> dominates this system and is commonly associated with <i>Andropogon gerardii</i> , <i>Bouteloua curtipendula</i> , and calcium-loving plant species. Stunted woodlands primarily dominated by <i>Quercus muehlenbergii</i> interspersed with <i>Juniperus virginiana</i> occur on variable-depth-to-bedrock soils. Fire is the primary natural dynamic, and prescribed fires help manage this system by restricting woody growth and maintaining the more open glade structure.
Central Interior Highlands Dry Acidic Glade and Barrens	This system is found in the Interior Highlands of the Ozark, Ouachita, and Interior Low Plateau regions. It occurs along moderate to steep slopes or valley walls of rivers along most aspects. Parent material includes chert, igneous and/or sandstone bedrock with well-to excessively well-drained, shallow soils interspersed with rock and boulders. These soils are typically dry during the summer and autumn, becoming saturated during the spring and winter. Grasses such as <i>Schizachyrium scoparium</i> and <i>Sorghastrum nutans</i> dominate this system with stunted oak species ( <i>Quercus stellata</i> , <i>Quercus marilandica</i> ) and shrub species such as <i>Vaccinium</i> spp. occurring on variable depth soils. This system also includes dry <i>Quercus stellata</i> -dominated barrens on Cretaceous-aged gravel substrates on the northern fringes of the Upper East Gulf Coastal Plain Ecoregion in southern Illinois and western Kentucky. This system is influenced by drought and infrequent to occasional fires. Prescribed fires help manage this system by maintaining an open glade structure.
Cumberland Acid Cliff (old name = Southern Interior Acid Cliff)	This sandstone cliff system is found in the Cumberland Plateau and Mountain regions of the southeastern United States. Examples are extremely steep or vertical rock faces exposed along bluffs often associated with rivers. Aspect is variable, but best developed south and west. Vascular plants, lichens, and nonvascular plants are all infrequent, due to the lack of crevices capable of accumulating soil, the highly acidic nature of the bedrock, and the frequent weathering and erosion of the substrate. These cliffs are also prone to harsh climatic conditions, and frequent disturbances include drought stress and wind and storm damage. As a result, examples are characterized by sparse herbaceous cover vegetation and few, if any, trees, are present. Vegetation consists of scattered individuals of <i>Asplenium montanum</i> , <i>Silene rotundifolia</i> , and other species rooted in crevices and erosion pockets. In some parts of its range, this system is the primary or sole habitat for rare endemic species, such as <i>Minuartia cumberlandensis</i> .
Cumberland Riverscour	Examples of this river scour-influenced system may occur on high-gradient and very high-gradient streams in the gorges of the Cumberland Plateau, the Cumberland Mountains, and the more rugged parts of the Ridge and Valley, in Kentucky, Tennessee, and Alabama, and possibly in Georgia. The succession of woody plants (particularly trees) is retarded by the force of "flashy", high-velocity water traveling down the stream channels. This system may occur on flood-scoured acidic or calcareous bedrock, cobble, pebble, or sandbar substrates of sandstone, limestone, dolomite, and possibly other sedimentary and weakly metamorphosed geologies. The most distinctive parts of the system are dominated by shrubs, perennial grasses, and forbs. In some areas, a riparian woodland composed of <i>Betula nigra</i> and <i>Platanus occidentalis</i> may be a component association. Some common shrub component species include <i>Alnus serrulata</i> , <i>Betula nigra</i> , <i>Cephalanthus occidentalis</i> , <i>Cornus amomum</i> , <i>Fothergilla major</i> , <i>Itea virginica</i> , <i>Salix caroliniana</i> , <i>Rhododendron arborecens</i> , <i>Toxicodendron radicans</i> , and <i>Juniperus virginiana</i> var. <i>virginiana</i> . Some grasses (typical of prairies) include <i>Andropogon gerardii</i> , <i>Sorghastrum nutans</i> , <i>Schizachyrium scoparium</i> , <i>Chasmanthium latifolium</i> , <i>Tripsacum dactyloides</i> and/or <i>Panicum virgatum</i> . Forbs are diverse and variable from occurrence to occurrence. This system is prone to flooding in the upper regions and deposition in the topographically lower areas. There is typically a gradient from dry acidic conditions higher on the bank to moist, fairly enriched conditions lower down may exist at any one site. It is prone to severe drought periods that may stress or kill some vegetation. Flood scouring is a powerful and ecologically important abrasive force along the riverbanks where this system is found.
Cumberland Sandstone Glade and Barrens	This system encompasses a complex of sparsely vegetated rock outcrops, perennial grasslands, and woodlands on shallow soils on the Cumberland Plateau of Tennessee, Alabama, and Georgia. Herbaceous plants, including <i>Diamorpha smallii</i> and <i>Minuartia glabra</i> , are typical of the outcrops in Tennessee. In Alabama, <i>Bigelovia nuttallii</i> and <i>Schizachyrium scoparium</i> are important. <i>Pinus virginiana</i> and <i>Acer rubrum</i> are typical of the woodlands surrounding these outcrops on the Cumberland Plateau. Scattered shrubs, such as <i>Vaccinium arboreum</i> and <i>Chionanthus virginicus</i> , occur on the margins in patches of deeper soil. Fruticose lichens such as <i>Cladonia</i> spp. and <i>Cladonia</i> spp. may be prominent in some examples. To the west, in the Interior Highlands (Ozark, Ouachita, and Interior Low Plateau regions), this system is replaced by Central Interior Highlands Dry Acidic Glade and Barrens (CES202.692) (both are found in Kentucky, with the latter in the Shawnee Hills of the Interior Low Plateau).
Cumberland Seepage Forest	This system of seepage-influenced, primarily forested wetlands is found in the Cumberland Plateau and Ridge and Valley regions of Alabama, Tennessee, West Virginia, and Kentucky. Examples most often occur in streamhead swales or on broad sandstone ridges where soils are sandy and saturated due to a combination of perched water table and seepage flow. Examples range in condition from open woodlands to forests, and some may lack a canopy and then will be dominated by shrubs or herbs. Typical woody species, when present, include <i>Acer rubrum</i> , <i>Nyssa sylvatica</i> , <i>Liriodendron tulipifera</i> , <i>Liquidambar styraciflua</i> , <i>Ilex opaca</i> var. <i>opaca</i> , <i>Oxydendrum arboreum</i> , and <i>Kalmia latifolia</i> .
East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland	This system includes natural grassland vegetation and associated wooded vegetation in a relatively small natural region (approximately 480 km (300 miles) long and 40-50 km (25-30 miles) wide) of Mississippi and Alabama north to a small part of southern Tennessee (Black Belt Subsection 231Ba of Keys et al. 1995; Blackland Prairie Ecoregion 65a of Griffith et al. 2001). This region, which generally derives its name from the nearly black, rich topsoil that developed over Selma Chalk, has long been noted as a distinct topographic region in the state of Mississippi (Lowe 1921). Examples occur over relatively deep soils (as opposed to "glades and barrens"), with circumneutral surface soil pH. However, like other Mississippi Embayment Prairie systems, this type occurs in a matrix of acid soils and generally forested vegetation. In most cases individual prairie openings are small and isolated from one another, but were formerly more extensive prior to European settlement forming a mosaic of grasslands and woodlands under frequent fire regimes. Much of the natural vegetation of the region has been converted to pasture and agricultural uses, but even old-field vegetation reflects the distinctive composition of the flora and ecological dynamics. The flora has much in common with other prairies of the Mississippi Embayment as well as the classic Midwestern prairies.

**Appendix D. Habitat Information for GCN Species**

<p>East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest</p>	<p>This forested system of the East Gulf Coastal Plain occurs most extensively on generally rolling uplands north of the range of <i>Pinus palustris</i>. It was the historical matrix in large areas of the region in Alabama and Mississippi, particularly between about 32 degrees 30 minutes N latitude (the approximate local northern limit of the historic range of <i>Pinus palustris</i>), and about 35 degrees N latitude (the approximate limit where relatively extensive examples of <i>Pinus echinata</i> are replaced by predominantly hardwood-dominated systems, although isolated examples of this system may occur both north and south of these boundaries in limited areas. Stands tend to occur on generally well-drained sandy or clayey soils with dry to dry-mesic moisture regimes. <i>Pinus echinata</i> is the dominant pine species of the generalized "dry and dry-mesic oak-pine" forest type in the Gulf Coastal Plain (White and Lloyd 1998) and is the most characteristic floristic component of this system. The actual amount of <i>Pinus echinata</i> present varies based on a number of factors, but intact examples of this system often include stands that are dominated by <i>Pinus echinata</i> grading into stands with a mixture of upland hardwoods. Locally, on mid to lower slopes, <i>Pinus taeda</i> may be a component, extending further upslope in the absence of fire. Fire is possibly the most important natural process affecting the floristic composition and vegetation structure of this system, although fire-return intervals are lower than those associated with the East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland (CES203.496). <i>Pinus echinata</i> may have difficulty replacing itself in the absence of fire, particularly on sites other than the driest ones (Eyre 1980). Landers (1989) inferred a fire-return interval of 10 times per century for <i>Pinus echinata</i>. Local topographic conditions affecting natural fire compartment size generally lend themselves to this fire frequency, although some examples may have more frequent fires and some less than this generalized value. Where fire is most frequent the system may develop a relatively pure canopy of <i>Pinus echinata</i> typified by a very open woodland structure with scattered overstory trees and an herbaceous-dominated understory; such examples are rare on the modern landscape. More typical are areas in which <i>Quercus</i> spp., <i>Carya</i> spp., <i>Liquidambar styraciflua</i>, <i>Liriodendron tulipifera</i>, <i>Acer</i> spp., and <i>Nyssa sylvatica</i> have become prominent in the midstory and even overstory and in which herbaceous patches are rare. Although the general distributional boundaries described above, indicate where this system formed an historical landscape matrix, smaller patches of the system may also be present in limited areas both north and south of these boundaries. Although Lawson (1990) maps the native range of shortleaf throughout a relatively large area of western Tennessee, the actual distribution of the species appears to be much more confined and almost ???</p>
<p>East Gulf Coastal Plain Jackson Plain Prairie and Barrens</p>	<p>This ecological system was locally dominant in the Jackson Purchase area of western Kentucky, extending into limited areas of adjacent Tennessee. This central region, called the Barrens, has been historically subdivided from the rest of the Coastal Plain region of Kentucky (Davis 1923, Bryant and Martin 1988). A number of early reports mentioned extensive prairies in this region, and also emphasized the importance of annual fires in maintaining these grasslands [see references in Bryant and Martin (1988)]. Interspersed among the extensive grasslands were likely scattered groves of oaks, especially those tolerant of frequent fires (M. Evans pers. comm.). Among the most frequent trees historically present in the entire region were <i>Quercus stellata</i>, <i>Quercus velutina</i>, and <i>Quercus marilandica</i> (Bryant and Martin 1988). With fire suppression groves of trees rapidly expanded and largely replaced the prairies. In general, this system was found on gravelly uplands (Evans 1991) and possibly other xeric upland, shallow soil environments in the northern part of the Upper East Gulf ecoregion. High-quality examples would support a dense herbaceous layer dominated by tall grasses such as <i>Schizachyrium scoparium</i>, but the floristic composition of this type is poorly known since so few extant examples remain (M. Evans pers. comm.).</p>
<p>East Gulf Coastal Plain Large River Floodplain Forest</p>	<p>This system represents a geographic subset of Kuchler's (1964) Southern Floodplain Forest. Examples may be found along large rivers of the East and Upper East Gulf Coastal Plain, especially the Apalachicola, Alabama, Tombigbee, Pascagoula, and Pearl rivers, all of which ultimately drain into the Gulf of Mexico. Several distinct plant communities can be recognized within this system that may be related to the array of different geomorphologic features present within the floodplain. Some of the major geomorphic features associated with different community types include natural levees, point bars, meander scrolls, oxbows, and sloughs (Sharitz and Mitsch 1993). Vegetation generally includes forests dominated by bottomland hardwood species and other trees tolerant of flooding. However, herbaceous and shrub vegetation may be present in certain areas as well.</p>
<p>East Gulf Coastal Plain Limestone Forest</p>	<p>This system represents deciduous forests of the East Gulf Coastal Plain where limestone or other calcareous substrate occurs near enough to the surface to influence vegetation composition. Examples are most common in the Black Belt region of Alabama and Mississippi, but are also present in more isolated patches in other portions of the region, including western Alabama, northern Florida, and western Tennessee. Generally, the vegetation consists of forests and woodlands on well-developed, deep soils. Related vegetation surrounding rock outcrops and calcareous prairies is accommodated under other ecological systems.</p>
<p>East Gulf Coastal Plain Northern Dry Upland Hardwood Forest (old name = East Gulf Coastal Plain N. Pontotoc Ridge, Upper Loam Hills Dry Hardwood Upland)</p>	<p>This system represents dry, upland, predominately hardwood forests of limited portions of the Coastal Plain of western Kentucky and Tennessee, northern Mississippi and Alabama. The core range of this type lies within the Northern Hilly Coastal Plain (Level IV ecoregion 65e) of Omernik (EPA 2001), which includes the Northern Pontotoc Ridge (222Cf), Upper Loam Hills (222Cg), and Northern Loessal Hills (222Ce) subsections of Keys et al. (1995). These areas occupy the eastern margin of the upper Coastal Plain where elevation is greatest and influence of loess is less than adjacent areas to the west. The vegetation has been broadly considered distinct from other Coastal Plain forests (Bryant et al. 1993, Fralish and Franklin 2002) but has received almost no specific study. Although vastly forested when compared to the loess plains to the west (USGS 1992), most of the vegetation is recovering from one or more forms of severe disturbance (Franklin and Kupfer 2000). <i>Quercus alba</i> dominates the upland forests which have been studied in a limited portion of this area (Franklin and Kupfer 2000), but communities have not been described to the same detail as in other ecological systems.</p>
<p>East Gulf Coastal Plain Northern Loess Bluff Forest</p>	<p>This system is largely confined to steep bluffs bordering the northern portion of the eastern edge of the Mississippi River Alluvial Plain. The geology is typically mapped as the Jackson Formation. These bluffs extend up to 150 m (500 feet) in elevation and from 30 to 60 m (100-200 feet) above the adjacent plain. They consist of a belt of Pleistocene and Tertiary eolian deposits (Braun 1950) that are often deeply eroded and very steep, with fertile top soil and abundant moisture (Miller and Neiswander 1987). The vegetation is often richer than surrounding non-loessal areas, or those with only thin loess deposits. The forests found on these bluffs are intermediate in soil moisture for the region, and may best be thought of as mesic. The vegetation may be sometimes referred to as western mesophytic forest, and may share some superficial similarities with cove forests of the Interior Highlands. In many cases, these bluffs provide habitat for plant species that are rare or absent from other parts of the Coastal Plain. Braun (1950) noted that the composition of forest changes from north to south along the bluffs; more southerly examples are represented by the East Gulf Coastal Plain Southern Loess Bluff Forest (CES203.556), and these would contain <i>Magnolia grandiflora</i> as an important component. As currently defined this system ranges from about 32 degrees N latitude (where the Big Black River cuts through the bluffs), and occurs only in the westernmost portions of the Upper East Gulf Coastal Plain, including northern and central Mississippi, western Tennessee, and western Kentucky.</p>
<p>East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland</p>	<p>This is the former matrix hardwood system flanking the loess bluffs of the most northern portions of the Upper East Gulf Coastal Plain of western Tennessee, western Kentucky, southern Illinois, and northern Mississippi. The core distribution of this system is mapped as the Loess Plains (Level IV ecoregion 74b) of Omernick (EPA 2001). Extensive forests once covered this broad area of generally flat to rolling uplands. Most have been cleared for agriculture due to the rich, productive soils derived from relatively thick loess deposits. The areal extent of this forested system has been so heavily reduced, that the component community types remain undocumented and speculative at best.</p>
<p>East Gulf Coastal Plain Northern Mesic Hardwood Forest</p>	<p>This system includes mesic deciduous hardwood forests of inland portions of the East Gulf Coastal Plain, including Alabama, Mississippi, western Kentucky, and western Tennessee. This system covers parts of the more mesic forests in the Western Mesophytic Forest Region of Braun (1950) referred to as mesophytic mixed hardwoods, as well as mesic forests in the adjacent "Oak-Pine-Hickory" region to the south (Greller 1988). Examples of this system occur on slopes and ravines between dry uplands and stream bottoms. Mesic forests of the loess bluffs are treated in separate ecological systems, being confined to that landform of steep bluffs and ravines on deep loess. The most characteristic feature of the vegetation in some examples may be <i>Fagus grandifolia</i>, but a variety of other hardwood species may also be found in the overstory, and <i>Fagus grandifolia</i> may not always be present. Some stands may be dominated by <i>Fagus grandifolia</i> and <i>Quercus alba</i>, others by <i>Quercus alba</i> or <i>Quercus pagoda</i> with other mesic hardwoods. In addition, <i>Pinus taeda</i> may be common in some examples in the southern portion of the range, and depending on previous disturbance and site conditions may be locally dominant [see CEG.L004763]. To the south this system is replaced by East Gulf Coastal Plain Southern Mesic Slope Forest (CES203.476), which are within the range of <i>Pinus glabra</i> and <i>Magnolia grandiflora</i>. Most of the vegetation is recovering from one or more forms of severe disturbance (Franklin and Kupfer 2000).</p>
<p>East Gulf Coastal Plain Northern Seepage Swamp</p>	<p>This wetland system of the East Gulf Coastal Plain consists of forested wetlands in acidic, seepage-influenced habitats. These are mostly deciduous forests (and less commonly herbaceous communities) generally found at the base of slopes or other habitats where seepage flow is concentrated. Resulting moisture conditions are saturated or even inundated. The vegetation is characterized by <i>Nyssa sylvatica</i>, <i>Nyssa biflora</i>, and <i>Acer rubrum</i>. Examples occur in portions of the Coastal Plain north of the range of <i>Persea borbonia</i>, <i>Magnolia grandiflora</i>, and the limit where <i>Magnolia virginiana</i> is an important or even dominant species. To the south this system grades into Southern Coastal Plain Seepage Swamp and Baygall (CES203.505), where evergreen species are important in the canopy and understory. Due to excessive wetness, these habitats are normally protected from fire except those which occur during extreme droughty periods. These environments are prone to long-duration standing water, and tend to occur on highly acidic, nutrient-poor soils.</p>
<p>East Gulf Coastal Plain Small Stream and River Floodplain Forest</p>	<p>This is a predominately forested system of the East Gulf Coastal Plain associated with small brownwater rivers and creeks. In contrast to East Gulf Coastal Plain Large River Floodplain Forest (CES203.489), it has fewer major geomorphic floodplain features typically associated with large rivers floodplains. Those features that are present tend to be smaller and more closely intermixed with one another, resulting in less obvious vegetational zonation. Bottomland hardwood tree species are typically important and diagnostic, although mesic hardwood species are also present in areas with less inundation, such as upper terraces and possibly second bottoms. As a whole, flooding occurs annually, but the water table usually is well below the soil surface throughout most of the growing season. Areas impacted by beaver impoundments are also included in this system.</p>
<p>Eastern Highland Rim Prairie and Barrens</p>	<p>This system represents "The Barrens" of the Southeast Highland Rim of Tennessee. This is a distinctive part of the state and ecoregion (the "Dickson-Mountview-Guthrie" Soil Association of Elder and Springer 1978, Springer and Elder 1980). It includes a series of plant communities with open canopies, ranging from herbaceous-dominated barrens (some of which are maintained today by mowing instead of fire and grazing) through savanna and woodland types. Open ponds and other wetlands are scattered throughout the landscape. The variety of relatively open habitats which are present here include prairie-like areas, as well as savanna woodlands and upland depression ponds.</p>

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Lower Mississippi River Bottomland and Floodplain Forest	This system includes the floodplain communities of the lower Mississippi River (from southern Illinois to the Gulf of Mexico) and its larger tributaries. The larger tributaries included in this system are particularly well-developed west of the Mississippi. These tributaries include the eastern portions of the Arkansas River, the lower Ouachita River, the St. Francis River, and the Red River. Collectively, this system represents the largest single example of Southern Floodplain Forest (Kuchler 1964). The north-south extent of this ecosystem is approximately 750 km. As described here, this system includes substantial hydrological and floristic variation. Changes of a few centimeters in elevation may produce great variation in hydrologic conditions, soils, and vegetation (Sharitz and Mitsch 1993). The hydroperiod and its timing ultimately determine the species composition and influences structure and function. Component stands may be temporarily or seasonally flooded, and typically exhibit dominance by <i>Quercus</i> spp., e.g., <i>Quercus texana</i> , <i>Quercus shumardii</i> , <i>Quercus michauxii</i> , <i>Quercus nigra</i> , <i>Quercus phellos</i> , <i>Quercus laurifolia</i> , <i>Quercus lyrata</i> , as well as <i>Nyssa biflora</i> . It is typically thought of as being composed of hardwoods, but some stands may exhibit local codominance by <i>Pinus taeda</i> , particularly following disturbance. There are also stands dominated by various combinations of <i>Acer</i> spp., <i>Celtis</i> spp., <i>Ulmus</i> spp., and/or <i>Platanus occidentalis</i> . Certain early-succession stands may be dominated by <i>Salix nigra</i> , or mixtures of this species and <i>Populus deltoides</i> . Levee and riverfront forests, which have a distinctive composition (typically <i>Betula nigra</i> , <i>Platanus occidentalis</i> , <i>Populus deltoides</i> ) but are related by proximity and common processes, are included here. Deeper water areas (e.g., semipermanently flooded depression swamps), which are recognized as a distinct ecological system (Lower Mississippi River Bottomland Depression (CES203.490)), usually support stands of <i>Nyssa aquatica</i> , <i>Taxodium distichum</i> , and a few other taxa which favor longer hydroperiods. The environment for this system potentially occurs wherever the Mississippi River and the specified larger tributaries flood at least occasionally beyond their banks (Sharitz and Mitsch 1993). Processes are typically erosional rather than depositional in this system. These may range up to several kilometers wide. This system is thought to have occupied the majority of the inland wetland acreage in the described range at the time of European settlement (Sharitz and Mitsch 1993). Extensive areas have been converted to agricultural uses, particularly the more elevated terraces, which would flood less frequently. The construction of artificial levees and other flood control devices throughout the range of the type has severely altered the dynamics of much of the remaining acreage. Estimates of the remaining area of floodplain ecosystems in the southeastern states (this area extending beyond the range of this Mississippi River ecosystem type) range from about 6.6 million hectares to about twice this amount.
Lower Mississippi River Bottomland Depression	This system represents semipermanently flooded to saturated depressional areas of the lower Mississippi River Alluvial Valley.
Nashville Basin Limestone Glade	This system encompasses a range of plant communities associated with thin soils on flat areas of Ordovician limestone in the Inner Nashville Basin of Tennessee (Ecoregion 71i of Griffith et al. 1998, EPA 2001; Subsection 222Ed of Keys et al. 1995). The vegetation of this system includes sparsely vegetated rock outcrops, annual <i>Sporobolus</i> spp.-dominated grasslands, <i>Schizachyrium scoparium</i> -dominated perennial grasslands, seasonally wet herbaceous washes and seeps, shrublands, and <i>Juniperus virginiana</i> woodlands. <i>Echinacea tennesseensis</i> and <i>Astragalus bibulatus</i> are completely endemic to this system. There are numerous other disjunct and near-endemic plants.
North-Central Appalachian Acidic Cliff and Talus	Sparsely vegetated to partially wooded cliffs and talus slopes in the Central Appalachians occurring on rocks of acidic lithology and lacking any indicators of enriched conditions. This cliff system occurs at low to mid elevations from central New England south to Tennessee. It consists of vertical or near-vertical cliffs and the talus slopes below, formed on hills of granitic, sandstone, or otherwise acidic bedrock. Most of the substrate is dry and exposed, but small (occasionally large) areas of seepage are often present. Vegetation in seepage areas tends to be more well-developed and floristically different from the surrounding dry cliffs. The vegetation is patchy and often sparse, punctuated with patches of small trees that may form woodlands in places. <i>Juniperus virginiana</i> is a characteristic tree species, <i>Toxicodendron radicans</i> a characteristic woody vine, and <i>Polypodium virginianum</i> a characteristic fern.
North-Central Appalachian Circumneutral Cliff and Talus	This cliff system occurs at low to mid elevations from central New England south to Virginia. It consists of vertical or near-vertical cliffs and steep talus slopes, where weathering and/or bedrock lithology produce circumneutral to calcareous pH and enriched nutrient availability. Substrates include limestone, dolomite, and other rocks. The vegetation varies from sparse, to patches of small trees, in places forming woodland or even forest vegetation. <i>Fraxinus</i> spp., <i>Tilia americana</i> , and <i>Staphylea trifolia</i> are woody indicators of the enriched setting. The herb layer includes at least some species that are indicators of enriched conditions, e.g., <i>Impatiens pallida</i> , <i>Pellaea atropurpurea</i> , <i>Asplenium platyneuron</i> , or <i>Woodсия obtusa</i> .
Pennyroyal Karst Plain Prairie and Barrens	This system consists of open, prairie-like vegetation of the northern Highland Rim (Pennyroyal Plateau) of Tennessee and adjacent Kentucky (Ecoregion 71e [Western Pennyroyal Karst Plain] of Griffith et al. 1998; part of Subsection 222Eh of Keys et al. 1995). Stands are dominated by grasses and forbs with scattered shrubby vegetation and, occasionally, trees. The scattered trees are mainly <i>Quercus falcata</i> and <i>Quercus imbricaria</i> . The primary dominant grass is <i>Schizachyrium scoparium</i> , with some <i>Sorghastrum nutans</i> present. Other more mesic grasses ( <i>Andropogon gerardii</i> , <i>Tripsacum dactyloides</i> ) are restricted to ditches. This system occurs on the northwestern Highland Rim / Pennyroyal Karst Plain of Tennessee and Kentucky. The largest extant examples are presently found on Fort Campbell Military Reservation, where ecological burning and fires from live-fire munitions use result in open herbaceous-dominated landscapes. This vegetation was the predominant type here in the early 1800s, and probably originated from burning by Native Americans.
Ridge and Valley Calcareous Valley Bottom Glade and Woodland	This system consists of open glades and surrounding woodlands on shallow, high pH, rich soils of the Ridge and Valley region from Virginia southward. These glades occur in broad valley bottoms or rolling basins where soils are shallow over flat-lying limestone strata. The flat terrain and locally xeric soils may have been especially susceptible to periodic fires that helped maintain the prairie-like openings and savanna-like woodlands. Today, much of the system is currently somewhat more closed and brushy, suggesting fire suppression.
South-Central Interior / Upper Coastal Plain Flatwoods (old name = East Gulf Coastal Plain Jackson Plain Dry Flatwoods)	This system represents hardwood-dominated "flatwoods" of limited areas of the most inland portions of the East Gulf Coastal Plain in western Kentucky, as well as in the nearby Pennyroyal Plain in the western Interior Low Plateau. The core of the area from which this system was initially described is referred to as the Jackson Purchase or "Jackson Plain," where these areas have long been recognized as a distinctive subdivision within this region (Davis 1923, Bryant and Martin 1988). There is some local variability in the expression of this system along a hydrologic/microtopographic gradient. The elevated ridges are composed of somewhat coarser-textured soils and retain less moisture than do the lower areas, although both occur in a tight local mosaic. The soils appear to have well-developed subsurface hardpans, the impermeability of which contributes to shallowly perched water tables during portions of the year when precipitation is greatest and evapotranspiration is lowest (not due to overbank flooding). Thus, soil moisture fluctuates widely throughout the growing season, from saturated to very dry, a condition sometimes referred to as xerohydric (Evans 1991). Fire was an important natural process in this system, and well-burned examples tend to be relatively open-canopied with well-developed herbaceous layers (M. Evans pers. comm.).
South-Central Interior / Upper Coastal Plain Wet Flatwoods (old name = East Gulf Coastal Plain Jackson Plain Wet Flatwoods)	This system represents predominately wet flatwoods of limited areas of the most inland portions of the East Gulf Coastal Plain in western Kentucky, as well as related broad, flat areas of the western Interior Low Plateau. This part of the Coastal Plain is referred to as the Jackson Purchase or "Jackson Plain." Flatwoods have long been recognized as a distinctive subdivision within this region (Davis 1923, Bryant and Martin 1988). Examples in the Pennyroyal Plain (of the western Interior Low Plateau) have been referred to as "ponywoods" or "crawfishy land" (Chester et al. 1995), and have been known for many years. They tend to be confined to relatively small areas near the eastern flank of the region where loess deposits thin out. Unlike South-Central Interior / Upper Coastal Plain Flatwoods (CES203.479) of the same general region (which are typified by complex microtopography), this system occupies broad flats underlain by fragipans. These fragipans impede the downward migration of water resulting in wet conditions for portions of the year. Fire was an important natural process in this system, probably maintaining relatively open-canopied stands (M. Evans pers. comm.). Stands are dominated by hardwood trees, including <i>Quercus</i> spp., <i>Liquidambar styraciflua</i> , <i>Carya</i> spp., and <i>Acer rubrum</i> (Chester et al. 1995).
South-Central Interior Large Floodplain	This floodplain system is found in the Interior Highlands as far west as eastern Oklahoma, as well as throughout the Interior low Plateau, Cumberland, Southern Ridge and Valley, and Western Allegheny Plateau, and lower elevations of the Southern Blue Ridge. Examples occur along large rivers or streams where topography and alluvial processes have resulted in a well-developed floodplain. A single occurrence may extend from river's edge across the outermost extent of the floodplain or to where it meets a wet meadow or upland system. Many examples of this system will contain well-drained levees, terraces and stabilized bars, and some will include herbaceous sloughs and shrub wetlands resulting, in part, from beaver activity. A variety of soil types may be found within the floodplain from very well-drained sandy substrates to very dense clays. It is this variety of substrates in combination with different flooding regimes that creates the mix of vegetation. Most areas, except for the montane alluvial forests, are inundated at some point each spring; microtopography determines how long the various habitats are inundated. Although vegetation is quite variable in this broadly defined system, examples may include <i>Acer saccharinum</i> , <i>Platanus occidentalis</i> , <i>Liquidambar styraciflua</i> , and <i>Quercus</i> spp. Understory species are mixed, but include shrubs, such as <i>Cephalanthus occidentalis</i> and <i>Arundinaria gigantea</i> ssp. <i>gigantea</i> , and sedges ( <i>Carex</i> spp.). This system likely floods at least once annually and can be altered by occasional severe floods. Impoundments and conversion to agriculture can also impact this system.
South-Central Interior Mesophytic Forest	These high-diversity, predominately deciduous forests occur on deep and enriched soils (due to the presence of limestone or related base-rich geology), usually in somewhat protected landscape positions such as coves or lower slopes. The core distribution of this system lies in the Cumberland and Allegheny Mountains and Plateaus, extending into portions of the Interior Low Plateau where it is located entirely south of the glacial boundary. Dominant species include <i>Acer saccharum</i> , <i>Fagus grandifolia</i> , <i>Liriodendron tulipifera</i> , <i>Tilia americana</i> , <i>Quercus rubra</i> , <i>Magnolia acuminata</i> , and <i>Juglans nigra</i> . <i>Tsuga canadensis</i> may be a component of some stands. Trees may grow very large in undisturbed areas. The herb layer is very rich, often with abundant spring ephemerals. Many examples may be bisected by small streams.
South-Central Interior Small Stream and Riparian	This system is found throughout the Interior Low Plateau, Southern Ridge and Valley, Western Allegheny Plateau, and lower elevations of the Southern Blue Ridge. Examples occur along small streams and floodplains with low to moderately high gradients. There may be little to moderate floodplain development. Flooding and scouring both influence this system, and the nature of the landscape prevents the kind of floodplain development found on larger rivers. This system may contain cobble bars with adjacent wooded vegetation and rarely have any marsh development, except through occasional beaver impoundments. The vegetation is a mosaic of forests, woodlands, shrublands, and herbaceous communities. Canopy cover can vary within examples of this system, but typical tree species may include <i>Platanus occidentalis</i> , <i>Acer rubrum</i> var. <i>trilobum</i> , <i>Betula nigra</i> , <i>Liquidambar styraciflua</i> , and <i>Quercus</i> spp. Shrubs and herbaceous layers can vary in richness and cover. Some characteristic shrubs may include <i>Hypericum densiflorum</i> , <i>Salix</i> spp., and <i>Alnus</i> spp. Small seeps dominated by sedges ( <i>Carex</i> spp.), ferns ( <i>Osmunda</i> spp.), and other herbaceous species can often be found within this system, especially at the headwaters and terraces of streams.
Southern and Central Appalachian Bog and Fen	This system consists of wetlands associated with flat sites in the Southern Blue Ridge, Central Appalachians, and possibly Upper Piedmont and adjacent Ridge and Valley. These sites occur at elevations below 4000 feet in poorly drained bottomlands on soils which are often saturated and wet. Muckness results from a combination of ground water input, seepage from adjacent slopes, rainfall, and impeded drainage. The amount of seepage water input is variable between examples. Vegetation is at least partially open, with herbaceous-dominated areas as well as shrub thickets and often forested zones.
Southern and Central Appalachian Cove Forest	This system consists of mesophytic hardwood forests of sheltered topographic positions in the Southern Blue Ridge and Central Appalachians, and possibly adjacent areas. Examples are generally found on concave slopes that promote moist conditions. The system includes a mosaic of acid and "rich" coves that may be distinguished by individual plant communities based on perceived differences in soil fertility and species richness (rich examples have higher diversity and density in the herbaceous layer). Both acid and rich coves may occur in the same "cove," with the acid coves potentially creeping out of the draw up to at least midslope on well-protected north-facing slopes. Characteristic species in the canopy include <i>Aesculus flava</i> , <i>Acer saccharum</i> , <i>Fraxinus americana</i> , <i>Tilia americana</i> , <i>Liriodendron tulipifera</i> , <i>Halesia tetraaptera</i> , <i>Tsuga canadensis</i> , <i>Fagus grandifolia</i> , and <i>Magnolia fraseri</i> .
Southern and Central Appalachian Mafic Glade and Barrens	This Southern and Central Appalachian system consists of vegetation associated with shallow soils over predominately mafic bedrock, usually with significant areas of rock outcrop. Bedrock includes a variety of igneous and metamorphic rock types such as greenstone and amphibolite. These areas support a patchy mosaic of open woodland and grassy herbaceous vegetation sometimes with a predominant woody short-shrub community present.

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Southern and Central Appalachian Oak Forest	This system consists of predominately dry-mesic to dry forests occurring on open and exposed topography at lower to mid elevations in the Southern Blue Ridge, Southern Ridge and Valley, and Central Appalachians ecoregions. Substrate of stands included in this system can range from acidic to circumneutral or basic, and the vegetation varies accordingly. Typically, the vegetation consists of forests dominated by oaks, especially <i>Quercus prinus</i> , <i>Quercus alba</i> , <i>Quercus rubra</i> , and <i>Quercus coccinea</i> , with varying amounts of <i>Carya</i> spp., <i>Acer rubrum</i> , and other species. This system concept also includes many successional communities that have been impacted by logging or agriculture such as types dominated by <i>Liriodendron tulipifera</i> , <i>Pinus</i> spp., and <i>Robinia pseudoacacia</i> .
Southern Appalachian Grass and Shrub Bald	This system consists of dense herbaceous and shrubland communities in the highest elevation zone of the Southern Appalachians, generally above 5000 feet but occasionally to 4000 feet. Vegetation consists either of dense shrub-dominated areas (heath balds) or dense herbaceous cover dominated by grasses or sedges (grassy balds). The combination of high-elevation, non-wetland sites, and dense herbaceous or shrub vegetation without appreciable rock outcrop conceptually distinguishes this system from all others in the Southern Appalachians. However, the widespread areas of degraded spruce-fir system with grass and shrub cover, and the invasion of grassy balds by trees blur the distinction somewhat.
Southern Appalachian Low Mountain Pine Forest	This system consists of shortleaf pine- and Virginia pine-dominated forests in the lower elevation Southern Appalachians and adjacent areas of the Cumberland Plateau and Piedmont. Also included here are naturally occurring shortleaf pine stands of the Interior Low Plateau of Kentucky and Tennessee. Examples can occur on a variety of topographic and landscape positions including ridgetops, upper and midslopes, as well as lower elevations (generally below 700 m [2300 feet]) in the Southern Appalachians such as mountain valleys. Examples occur on a variety of acidic bedrock types. Frequent, low-intensity fires coupled with severe fires (Harrod and White 1999) may have been the sole factor determining the occurrence of this system rather than hardwood forests under natural conditions.
Southern Appalachian Montane Cliff and Talus (old name = Southern Appalachian Montane Cliff)	This system consists of steep to vertical or overhanging rock outcrops (and related steep talus slopes) of the Southern Blue Ridge and adjacent parts of other ecoregions. It occurs on lower slopes, usually in river gorges or bluffs. The sparse vegetation is limited to plants growing on bare rock, small ledges, and crevices. Vegetation is primarily bryophytes, lichens, and herbs, with sparse trees and shrubs rooted in deeper soil pockets and crevices.
Southern Appalachian Montane Pine Forest and Woodland (old name = Southern Appalachian Montane Pine Forest)	This system consists of forests on strongly exposed topography at moderate to upper elevations in the Southern Blue Ridge, Ridge and Valley, and adjacent ecoregions. In the Southern Blue Ridge, this system is best developed above 700 m (2300 feet) in elevation. Most examples are dominated by either <i>Pinus rigida</i> or <i>Pinus pungens</i> , and occasionally <i>Tsuga caroliniana</i> . (Stands with <i>Pinus echinata</i> present are generally accommodated by Southern Appalachian Low Mountain Pine Forest (CES202.332)). Fire is a very important ecological process in this system (Harrod and White 1999). Pines may be able to maintain dominance due to edaphic conditions such as very shallow soil or extreme exposure in some areas, but most sites appear eventually to succeed to oak dominance in the absence of fire. Fire is also presumably a strong influence on vegetation structure, producing a more open woodland canopy structure and more herbaceous ground cover.
Southern Appalachian Rocky Summit	This system represents treeless, high-elevation (1200-2030 m) rock outcrops of the southern Appalachian Mountains, primarily in western North Carolina and eastern Tennessee. Outcrops may be vertical to horizontal, rugged or fractured rock outcrops of peaks, ridgetops, upper slopes, and other topographically exposed locations (Schafale and Weakley 1990). These outcrops occur on felsic to mafic rocks and are distinguished from surrounding systems by the prevalence of bare or lichen-encrusted rocks. Vegetation component of this system is generally characterized by a mix of low-growing lifeforms, especially lichens, mosses, and short-statured forbs. Less commonly graminoids and low shrubs are encountered. Species common to all outcrop vegetation types include <i>Carex misera</i> , <i>Saxifraga michauxii</i> , and <i>Vaccinium corymbosum</i> (Wiser and White 1999).
Southern Appalachian Seepage Wetland	This system consists of seepage-fed wetlands in the Southern Appalachians on gentle slopes, with substantial seepage flow. Vegetation is variable, both within and among examples, but lacks vegetation characteristic of bogs or floodplains. This is a small-patch system occurring over a wide elevational range, nearly to the highest peaks, but is generally lacking from flat valley bottoms.
Southern Appalachian Spray Cliff	This system consists of rock outcrops that are kept wet by spray from waterfalls, primarily in the Southern Blue Ridge, and possibly elsewhere in the Southern Appalachians region. The rocks are often densely or moderately covered with bryophytes or algae. The sparse vascular vegetation is limited to plants growing on bare rock, small ledges, and crevices.
Southern Interior Calcareous Cliff	This system encompasses calcareous cliffs of the southern Ridge and Valley and adjacent areas of the Interior Low Plateau with a few disjunct localities in the Southern Appalachians. This system includes vertical to near vertical rock faces of limestone and dolomite. These cliffs are typically dry, but may contain relatively small embedded seepage patches. Both wet and, more commonly, dry expressions are included. Due to harsh edaphic conditions, including verticality, these cliffs are nearly unvegetated. However, <i>Asplenium ruta-muraria</i> and <i>Pellaea atropurpurea</i> may be characteristic plants. Some cliffs have scattered <i>Thuja occidentalis</i> trees which may be very old (>800 years) and genetically diverse. This system also covers a narrow zone of vegetation, often herbaceous, at the horizontal cliff top where growing conditions are harsh and often glade-like.
Southern Interior Low Plateau Dry Oak Forest (old name = South-Central Interior Highlands Dry Oak Forest)	This system of upland hardwood-dominated forests occurs in the Interior Low Plateau region of the southeastern United States along ridgetops and slopes of various aspects. The system includes essentially all upland hardwood stands of the region except for mesic hardwood forests (which are accommodated by CES202.887). The floristic expression of different stands included in this system varies considerably with aspect and soil type. Included here are a variety of associations ranging along a moisture gradient from submesic to drier ones. The submesic to dry-mesic expressions tend to be found on midslopes with northerly to easterly aspects. The drier ones on southerly to westerly aspects, and on broad ridges. Parent material can range from calcareous to acidic with very shallow, well- to excessively well-drained soils in the drier expressions and moderately well-drained in the submesic to dry-mesic ones. The canopy closure of this system ranges from closed to somewhat open in the drier examples. Historically, these examples may have been more open under conditions of more frequent fire.
Southern Interior Sinkhole Wall	This system represents vertical shaft sinkholes and the characteristic vegetation associated with their steep walls in the southern Ridge and Valley and adjacent Interior Low Plateau regions of the southeastern United States. Related examples in the Southern Blue Ridge are also covered here. Examples are normally dominated by <i>Cystopteris bulbifera</i> and <i>Asplenium rhizophyllum</i> or the liverwort <i>Dumortiera hirsuta</i> .
Southern Ridge and Valley Patch Prairie	This system is a collection of deep soil prairies and barrens found historically in the Coosa Valley of northwestern Georgia and adjacent Alabama and related areas including barrens at Oak Ridge, Tennessee. This system was formerly widespread, but is now found only in scattered and isolated remnants (DeSelm and Murdock 1993). Vegetation is typically prairie-like and may have supported scattered trees depending upon fire-return interval.
Western Highland Rim Prairie and Barrens	This system includes open, fire-maintained vegetation (often called "barrens") on uplands in western Tennessee. Although the region is highly dissected, extensive areas formerly supported well-burned vegetation. Haywood (1959) noted extensive prairie in the southern portion of Land Between the Lakes, and DeSelm (1988) noted the existence of barrens remnants in the region. As noted by Shanks (1958) and described by DeSelm (1989), these barrens occur, at least in part, on Cretaceous gravels which cap Mississippian limestone strata on hills in the Tennessee counties of Dickson, Hickman, Lewis, and Lawrence (these mapped in Miller et al. 1966). The general terrain is flat to gently sloping. Shanks (1958) also specifically refers to barrens on "cherty residuum, elsewhere characterized by Planosols with impeded drainage." Some proposed factors which have functioned to maintain their openness include the droughty, gravelly soils and resulting stresses to vegetation, as well as fire. The same gravels are mapped in the Land Between the Lakes (LBL), and this vegetation could be expected there (if all examples have not succeeded to woody vegetation due to lack of fire).
Western Highland Rim Seepage Fen	This system accommodates small-scale, herbaceous-dominated seepage areas found in a limited area of the Western Highland Rim region of Tennessee. These features have been generally known as "seepage fens," and are fed by mineral-rich groundwater. Examples are associated with stream drainages, but are generally not affected by stream-related hydrology. Soils contain a thin organic layer over limestone gravel, over a less permeable layer of more solid rock. The vegetation is dominated by herbaceous plants. Characteristic species include <i>Carex atlantica</i> , <i>Carex lurida</i> , <i>Carex leptalea</i> ssp. <i>harperi</i> , <i>Parnassia grandifolia</i> , <i>Juncus brachycephalus</i> , <i>Rudbeckia fulgida</i> var. <i>umbrosa</i> , <i>Cardamine bulbosa</i> , <i>Impatiens capensis</i> , <i>Juncus coriaceus</i> , <i>Juncus effusus</i> , <i>Lobelia puberula</i> , <i>Lobelia cardinalis</i> , <i>Oxypolis rigidior</i> , <i>Phlox glaberrima</i> , <i>Rhynchospora capitellata</i> , <i>Scirpus atrovirens</i> , <i>Scirpus cyperinus</i> , <i>Solidago patula</i> var. <i>patula</i> , and <i>Thelypteris palustris</i> var. <i>pubescens</i> . Woody species include <i>Alnus serrulata</i> , <i>Salix humilis</i> , <i>Salix caroliniana</i> , <i>Cornus amomum</i> , and <i>Acer rubrum</i> , which may invade the herbaceous seep. This system is restricted to the Western Highland Rim of Tennessee (Lewis, Cheatham, and Williamson counties). <i>Xyris tennesseensis</i> is endemic to this system and occurs in 50% or more of its occurrences. There are rare occurrences of this system in the Eastern Highland Rim of Tennessee and limited areas of Kentucky.



DESCRIPTIONS OF FRESHWATER INITIATIVE AQUATIC SYSTEMS									
Aq Sys	Description	Size Class	Elevation Class	Geology Class	HW Gradient Class	Creek Gradient Class	River Origin	DS Connectivity Class	
A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley	large river	low, moderate	limestone, calcareous shale			Ridge and Valley, Blue Ridge, Cumberland Plateau	ivers	
A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley	large river	low	limestone, calcareous shale, chert			Ridge and Valley, Blue Ridge, Cumberland Plateau	ivers	
A010	large alluvial plain rivers, origin in continental interior	large river	low	alluvium			Continental Interior	ivers, bays	
B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley	medium river	low, moderate	limestone, calcareous shale			Blue Ridge, Ridge and Valley	ivers	
B002	medium Ridge and Valley rivers, origin in the Ridge and Valley	medium river	low, moderate	limestone, calcareous shale			Ridge and Valley	ivers	
B005	medium Nashville Basin rivers, origin in the Highland Rim	medium river	low	limestone, calcareous shale, chert			Highland Rim	ivers	
B006	medium Nashville Basin rivers, origin in the Cumberland Mountains/Cumberland Plateau	medium river	low	limestone, calcareous shale, chert			Cumberland Mountains, Cumberland Plateau	ivers	
B007	medium Blue Ridge rivers, origin in the Blue Ridge	medium river	low, moderate	granite/gneiss, sandstone/meta-sandstone, schist/phylite			Blue Ridge	ivers	
B013	medium Gulf Coastal Plain rivers, origin in the Coastal Plain	medium river	low	sands, clays, gravels			Coastal Plain	ivers, bays	
C001	small ridge and valley rivers, origin in ridge and valley	small river	moderate, low	limestone, calcareous shale			Ridge and Valley	ivers	
C002	small Ridge and Valley River, origin in the Cumberland Plateau	small river	moderate, low	limestone, calcareous shale			Cumberland Plateau	ivers	
C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont	small river	moderate, low	limestone, calcareous shale			Blue Ridge, Piedmont	ivers	
C005	small Cumberland Mountain/Coal Fields rivers, origin in the Cumberland Mountains	small river	moderate, low	sandstone			Cumberland Mountains	ivers	
C006	small Cumberland Plateau rivers, in moderate elevation, origin in Cumberland Plateau	small river	moderate	sandstone			Cumberland Plateau	ivers	
C009	small Highland Rim rivers, origin in the Cumberland Plateau	small river	low	limestone, calcareous shale, chert			Cumberland Plateau	ivers	
C010	small Highland Rim rivers, origin in Highland Rim	small river	low	limestone, calcareous shale, chert			Highland Rim	ivers	
C011	small Nashville Basin rivers, origin in Highland Rim	small river	low	limestone, calcareous shale, chert			Highland Rim	ivers	
C012	small Blue Ridge rivers, origin in Blue Ridge	small river	moderate	granite/gneiss, sandstone/meta-sandstone, schist/phylite			Blue Ridge	ivers	
C017	small Coastal Plain rivers, origin in the Highland Rim/Southern Cumberland Plateau	small river	low	sands, clays, gravels			Highland Rim, Cumberland Plateau	ivers	
C018	small Coastal Plain rivers, origin in Coastal Plain	small river	low	sands, clays, gravels			Coastal Plain	ivers	
C031	small alluvial plain rivers, in Holocene alluvium, origin in the coastal plain, East	small river	low	Holocene alluvium			Coastal Plain	ivers	
D002	ridge and valley streams	headwater, creek	moderate	sandstone, acidic shale to limestone, calcareous shale	high, moderate	low, moderate		all	
D003	ridge and valley streams	headwater, creek	moderate	sandstone, acidic shale to limestone, calcareous shale	moderate	low, moderate		all	
D004	ridge and valley streams	headwater, creek	low	sandstone, acidic shale to calcareous shale, limestone	moderate	low, very low		all	
D005	ridge and valley streams	headwater, creek	low	sandstone, acidic shale to calcareous shale, limestone	low	low, very low		all	
D006	ridge and valley streams	headwater, creek	high, moderate	calcareous shale, limestone	high	low, moderate		small rivers, creeks	
D007	ridge and valley streams	headwater, creek	moderate	calcareous shale, limestone	high	low, moderate		all	
D008	ridge and valley streams	headwater, creek	moderate	calcareous shale, limestone	moderate	low, very low		all	
D009	ridge and valley streams	headwater, creek	moderate	calcareous shale, limestone	low	low, very low		all	
D010	ridge and valley streams	headwater, creek	low	calcareous shale, limestone	moderate	low, very low		all	
D011	ridge and valley streams	headwater, creek	low	limestone, calcareous shale	low	low, very low		small rivers, creeks	
D015	transitional streams, Cumberland plateau to ridge and valley, escarpment	headwater, creek	moderate, low	sandstone to limestone, calcareous shale	high, moderate	low, moderate		large rivers	
D016	transitional streams, Cumberland plateau to ridge and valley, escarpment	headwater, creek	moderate, low	sandstone to limestone, calcareous shale	high, moderate	low, moderate		small rivers, creeks	
D019	transitional streams, Cumberland plateau to ridge and valley	headwater, creek	moderate, low	sandstone to limestone, calcareous shale	moderate, low	moderate, low		small rivers, creeks	
D020	ridge and valley streams, few headwaters in plateau sandstones	headwater, creek	moderate, low	limestone, calcareous shale, some sandstone	moderate, low	low, moderate		large rivers	
D021	ridge and valley streams, few headwaters in plateau sandstones	headwater, creek	moderate, low	limestone, calcareous shale, some sandstone	moderate, low	low, moderate		small rivers, creeks	
D022	Cumberland mountain streams	headwater, creek	high, moderate	sandstone	high, moderate	low, very low		small rivers, creeks	
D023	Cumberland mountain streams	headwater, creek	moderate	sandstone	high, moderate	low, very low		small rivers, creeks	
D024	Cumberland mountain, plateau streams	headwater, creek	moderate, low	sandstone	moderate	low, very low		small rivers, creeks	
D025	Cumberland mountain, plateau streams	headwater, creek	low	sandstone	low, very low	low, very low		small rivers, creeks	
D026	transitional streams Cumberland plateau to Highland Rim	headwater, creek	moderate	sandstone to limestone, calcareous shale	high, moderate	moderate, low		small rivers, creeks	
D027	transitional streams southern Cumberland plateau to Highland Rim	headwater, creek	moderate	sandstone to limestone, sandstone, calcareous shale	moderate, high	low, very low		all	
D029	Highland Rim streams, some headwaters in plateau sandstones	headwater, creek	moderate, low	limestone, calcareous shale, some sandstone	high	moderate, low		all	
D030	Highland Rim streams	headwater, creek	low, moderate	limestone, chert, calcareous shale	low	low, very low		small rivers, creeks	
D031	Highland Rim streams	headwater, creek	low, moderate	limestone, chert, calcareous shale	low	low, very low		large rivers	
D032	Highland Rim streams	headwater, creek	low, moderate	limestone, chert, calcareous shale	moderate, low	low, very low		small rivers, creeks	
D033	Highland Rim streams	headwater, creek	low, moderate	limestone, chert, calcareous shale	moderate, low	low, very low		large rivers	
D034	Nashville Basin streams	headwater, creek	low, moderate	limestone, calcareous shale	low	low, very low		small rivers, creeks	
D035	Nashville Basin streams	headwater, creek	low, moderate	limestone, calcareous shale	low	low, very low		large rivers	
D036	Highland Rim streams	headwater, creek	low, moderate	limestone, calcareous shale	moderate, low	low, very low		small rivers, creeks	
D037	Highland Rim streams	headwater, creek	low, moderate	limestone, calcareous shale	moderate, low	low, very low		large rivers	
D038	outer Highland Rim streams	headwater, creek	low, moderate	limestone, chert, calcareous shale	low, very low	low, very low		small rivers, creeks	
D039	transitional streams, Blue Ridge to Ridge and Valley	headwater, creek	high, moderate	granite/gneiss to calcareous shale, limestone	high	moderate, low		small rivers, creeks	
D040	transitional streams, Blue Ridge to Ridge and Valley	headwater, creek	high, moderate	sandstone/metasediment, schist/phylite to calcareous shale, limestone	high	moderate, low		small rivers, creeks	
D042	Blue Ridge foothill streams with limestone contribution	headwater, creek	high, moderate	sandstone/meta-sandstone, granite/gneiss, limestone, calcareous shale	high	moderate, low		small rivers, creeks	
D044	Blue Ridge streams	headwater, creek	high	granite/gneiss	high	moderate, low		small rivers, creeks	
D050	Blue Ridge streams	headwater, creek	high, moderate	sandstone/metasediment	high	moderate, low		small rivers, creeks	
D072	transitional streams, coastal plain to Highland Rim	headwater, creek	low	clayey sands, coarse sands, gravels to limestone, calcareous shale, chert	moderate, low	low, very low		large rivers	

DESCRIPTIONS OF FRESHWATER INITIATIVE AQUATIC SYSTEMS									
Aq Sys	Description	Size Class	Elevation Class	Geology Class	HW Gradient Class	Creek Gradient Class	River Origin	DS Connectivity Class	
D077	coastal plain streams	headwater, creek	low	clayey sands, coarse sands, gravels, acidic clays	low	very low		all	
D079	coastal plain streams, transitional to alluvium	headwater, creek	low	clayey sands, coarse sands to alluvium	low	very low		large rivers	
D083	coastal plain streams, acidic clays	headwater, creek	low	acidic clays, clayey sands, coarse sands, alluvium	low	very low		small rivers, creeks	
D085	coastal plain streams, calcareous clays, sands	headwater, creek	low	calcareous clays, coarse sands, clayey sands	very low, low	very low		all	
D098	coastal plain streams, loess veneer over sands	headwater, creek	low	loess, clayey sands	low, very low	very low		all	
D101	coastal plain streams, loess veneer over sands	headwater, creek	low	loess, clayey sands	very low	very low		small rivers, creeks	
D112	alluvial plain streams, in Holocene alluvium, primarily meander belts	headwater, creek	low	Holocene alluvium (meander belt)	very low	very low		small rivers, creeks	
D113	alluvial plain streams, in Holocene alluvium, primarily meander belts, connect to large rivers	headwater, creek	low	Holocene alluvium (meander belt)	very low	very low		large rivers	
D114	alluvial plain streams, in Holocene alluvium, primarily backswamps	headwater, creek	low	Holocene alluvium (backswamp)	very low	very low		small rivers, creeks	

Terrestrial Habitat Preferences										
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	REGIONAL HABITAT PREFERENCE					
					MAP	UGCP	ILP	CPM	RV	SBR
1	Invertebrate - Gastropod	IMGAS53110	Anguispira alabama (Alabama Tigersnail)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse				Suit		
1	Invertebrate - Gastropod	IMGAS53110	Anguispira alabama (Alabama Tigersnail)	Southern Appalachian Low Mountain Pine Forest				Marg		
1	Invertebrate - Gastropod	IMGAS53110	Anguispira alabama (Alabama Tigersnail)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
1	Invertebrate - Gastropod	IMGAS53110	Anguispira alabama (Alabama Tigersnail)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
1	Invertebrate - Gastropod	IMGAS53110	Anguispira alabama (Alabama Tigersnail)	South-Central Interior Mesophytic Forest				Suit		
1	Invertebrate - Gastropod	IMGAS53110	Anguispira alabama (Alabama Tigersnail)	Southern and Central Appalachian Cove Forest				Suit		
1	Invertebrate - Gastropod	IMGAS53110	Anguispira alabama (Alabama Tigersnail)	Appalachian Hemlock-Hardwood Forest				Suit		
1	Invertebrate - Gastropod	IMGAS53020	Anguispira cumberlandiana (Cumberland Tigersnail)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse				Suit		
1	Invertebrate - Gastropod	IMGAS53020	Anguispira cumberlandiana (Cumberland Tigersnail)	Southern Appalachian Low Mountain Pine Forest				Marg		
1	Invertebrate - Gastropod	IMGAS53020	Anguispira cumberlandiana (Cumberland Tigersnail)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
1	Invertebrate - Gastropod	IMGAS53020	Anguispira cumberlandiana (Cumberland Tigersnail)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
1	Invertebrate - Gastropod	IMGAS53020	Anguispira cumberlandiana (Cumberland Tigersnail)	South-Central Interior Mesophytic Forest				Suit		
1	Invertebrate - Gastropod	IMGAS53020	Anguispira cumberlandiana (Cumberland Tigersnail)	Southern and Central Appalachian Cove Forest				Suit		
1	Invertebrate - Gastropod	IMGAS53020	Anguispira cumberlandiana (Cumberland Tigersnail)	Appalachian Hemlock-Hardwood Forest				Suit		
1	Invertebrate - Gastropod	IMGAS53060	Anguispira knoxensis (Rustic Tigersnail or Black Range Disc)	Southern Interior Calcareous Cliff					Suit	
1	Invertebrate - Gastropod	IMGAS53060	Anguispira knoxensis (Rustic Tigersnail or Black Range Disc)	Southern Appalachian Low Mountain Pine Forest					Marg	
1	Invertebrate - Gastropod	IMGAS53060	Anguispira knoxensis (Rustic Tigersnail or Black Range Disc)	Southern Appalachian Montane Pine Forest and Woodland					Marg	
1	Invertebrate - Gastropod	IMGAS53060	Anguispira knoxensis (Rustic Tigersnail or Black Range Disc)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
1	Invertebrate - Gastropod	IMGAS53060	Anguispira knoxensis (Rustic Tigersnail or Black Range Disc)	South-Central Interior Mesophytic Forest				Suit		
1	Invertebrate - Gastropod	IMGAS53060	Anguispira knoxensis (Rustic Tigersnail or Black Range Disc)	Southern and Central Appalachian Cove Forest				Suit		
1	Invertebrate - Gastropod	IMGAS53060	Anguispira knoxensis (Rustic Tigersnail or Black Range Disc)	Southern and Central Appalachian Oak Forest				Suit		
1	Invertebrate - Gastropod	IMGAS53060	Anguispira knoxensis (Rustic Tigersnail or Black Range Disc)	Appalachian Hemlock-Hardwood Forest				Suit		
1	Invertebrate - Gastropod	IMGAS53060	Anguispira knoxensis (Rustic Tigersnail or Black Range Disc)	Southern Ridge and Valley Patch Prairie					Suit	
1	Invertebrate - Gastropod	IMGAS53060	Anguispira knoxensis (Rustic Tigersnail or Black Range Disc)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
1	Invertebrate - Gastropod	IMGAS53060	Anguispira knoxensis (Rustic Tigersnail or Black Range Disc)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
1	Invertebrate - Gastropod	IMGAS53060	Anguispira knoxensis (Rustic Tigersnail or Black Range Disc)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
1	Invertebrate - Gastropod	IMGAS53070	Anguispira kochi (Banded Tigershell)	Lower Mississippi River Bottomland and Floodplain Forest	Suit					
1	Invertebrate - Gastropod	IMGAS96020	Daedalochila auriformis (Rockpile Liptooth)	Eastern Highland Rim Prairie and Barrens				Pref		
1	Invertebrate - Gastropod	IMGAS96020	Daedalochila auriformis (Rockpile Liptooth)	Western Highland Rim Prairie and Barrens				Suit		
1	Invertebrate - Gastropod	IMGAS54010	Discus bryanti (Sawtooth Disc)	Southern Interior Calcareous Cliff					Suit	Suit
1	Invertebrate - Gastropod	IMGAS54010	Discus bryanti (Sawtooth Disc)	Southern Interior Sinkhole Wall					Suit	Suit
1	Invertebrate - Gastropod	IMGAS54010	Discus bryanti (Sawtooth Disc)	Southern Appalachian Low Mountain Pine Forest					Marg	Marg
1	Invertebrate - Gastropod	IMGAS54010	Discus bryanti (Sawtooth Disc)	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg
1	Invertebrate - Gastropod	IMGAS54010	Discus bryanti (Sawtooth Disc)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	
1	Invertebrate - Gastropod	IMGAS54010	Discus bryanti (Sawtooth Disc)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS54010	Discus bryanti (Sawtooth Disc)	South-Central Interior Mesophytic Forest					Suit	
1	Invertebrate - Gastropod	IMGAS54010	Discus bryanti (Sawtooth Disc)	Southern and Central Appalachian Cove Forest					Suit	Suit
1	Invertebrate - Gastropod	IMGAS54010	Discus bryanti (Sawtooth Disc)	Southern and Central Appalachian Oak Forest					Suit	Suit
1	Invertebrate - Gastropod	IMGAS54010	Discus bryanti (Sawtooth Disc)	Appalachian Hemlock-Hardwood Forest					Suit	Suit
1	Invertebrate - Gastropod	IMGAS54040	Discus clappi (Channelled Disc)	Southern Interior Low Plateau Dry Oak Forest				Suit		
1	Invertebrate - Gastropod	IMGAS54040	Discus clappi (Channelled Disc)	South-Central Interior Mesophytic Forest				Suit		
1	Invertebrate - Gastropod	IMGASSWG03	Euchemotrema fraternum montanum (a pillsnail)	Southern Interior Sinkhole Wall					Suit	Suit
1	Invertebrate - Gastropod	IMGASSWG03	Euchemotrema fraternum montanum (a pillsnail)	Southern Appalachian Low Mountain Pine Forest					Marg	Marg
1	Invertebrate - Gastropod	IMGASSWG03	Euchemotrema fraternum montanum (a pillsnail)	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg
1	Invertebrate - Gastropod	IMGASSWG03	Euchemotrema fraternum montanum (a pillsnail)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	
1	Invertebrate - Gastropod	IMGASSWG03	Euchemotrema fraternum montanum (a pillsnail)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGASSWG03	Euchemotrema fraternum montanum (a pillsnail)	South-Central Interior Mesophytic Forest					Suit	
1	Invertebrate - Gastropod	IMGASSWG03	Euchemotrema fraternum montanum (a pillsnail)	Southern and Central Appalachian Cove Forest					Suit	Suit
1	Invertebrate - Gastropod	IMGASSWG03	Euchemotrema fraternum montanum (a pillsnail)	Southern and Central Appalachian Oak Forest					Suit	Suit
1	Invertebrate - Gastropod	IMGASSWG03	Euchemotrema fraternum montanum (a pillsnail)	Appalachian Hemlock-Hardwood Forest					Suit	Suit
1	Invertebrate - Gastropod	IMGAS94040	Fumonelix archeri (Ocoee Covert)	Southern Appalachian Low Mountain Pine Forest						Marg
1	Invertebrate - Gastropod	IMGAS94040	Fumonelix archeri (Ocoee Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
1	Invertebrate - Gastropod	IMGAS94040	Fumonelix archeri (Ocoee Covert)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS94040	Fumonelix archeri (Ocoee Covert)	Southern and Central Appalachian Cove Forest						Suit
1	Invertebrate - Gastropod	IMGAS94040	Fumonelix archeri (Ocoee Covert)	Southern and Central Appalachian Oak Forest						Suit
1	Invertebrate - Gastropod	IMGAS94040	Fumonelix archeri (Ocoee Covert)	Appalachian Hemlock-Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS94070	Fumonelix christyi (Glossy Covert)	Southern Appalachian Low Mountain Pine Forest						Marg
1	Invertebrate - Gastropod	IMGAS94070	Fumonelix christyi (Glossy Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
1	Invertebrate - Gastropod	IMGAS94070	Fumonelix christyi (Glossy Covert)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS94070	Fumonelix christyi (Glossy Covert)	Southern and Central Appalachian Cove Forest						Suit
1	Invertebrate - Gastropod	IMGAS94070	Fumonelix christyi (Glossy Covert)	Southern and Central Appalachian Oak Forest						Suit
1	Invertebrate - Gastropod	IMGAS94070	Fumonelix christyi (Glossy Covert)	Appalachian Hemlock-Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS95170	Fumonelix jonesiana (Big-tooth Covert (= Newfound Gap Helix))	Central and Southern Appalachian Spruce-Fir Forest						Marg
1	Invertebrate - Gastropod	IMGAS95170	Fumonelix jonesiana (Big-tooth Covert (= Newfound Gap Helix))	Southern Appalachian Low Mountain Pine Forest						Marg
1	Invertebrate - Gastropod	IMGAS95170	Fumonelix jonesiana (Big-tooth Covert (= Newfound Gap Helix))	Southern Appalachian Montane Pine Forest and Woodland						Marg
1	Invertebrate - Gastropod	IMGAS95170	Fumonelix jonesiana (Big-tooth Covert (= Newfound Gap Helix))	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS95170	Fumonelix jonesiana (Big-tooth Covert (= Newfound Gap Helix))	Southern and Central Appalachian Cove Forest						Suit
1	Invertebrate - Gastropod	IMGAS95170	Fumonelix jonesiana (Big-tooth Covert (= Newfound Gap Helix))	Southern and Central Appalachian Oak Forest						Suit
1	Invertebrate - Gastropod	IMGAS95170	Fumonelix jonesiana (Big-tooth Covert (= Newfound Gap Helix))	Appalachian Hemlock-Hardwood Forest						Marg
1	Invertebrate - Gastropod	IMGAS95240	Fumonelix orestes (Engraved Covert)	Central and Southern Appalachian Spruce-Fir Forest						Suit
1	Invertebrate - Gastropod	IMGAS95240	Fumonelix orestes (Engraved Covert)	Southern Appalachian Low Mountain Pine Forest						Marg
1	Invertebrate - Gastropod	IMGAS95240	Fumonelix orestes (Engraved Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
1	Invertebrate - Gastropod	IMGAS95240	Fumonelix orestes (Engraved Covert)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS95240	Fumonelix orestes (Engraved Covert)	Southern and Central Appalachian Cove Forest						Suit
1	Invertebrate - Gastropod	IMGAS95240	Fumonelix orestes (Engraved Covert)	Southern and Central Appalachian Oak Forest						Marg
1	Invertebrate - Gastropod	IMGAS95240	Fumonelix orestes (Engraved Covert)	Appalachian Hemlock-Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS95360	Fumonelix wetherbyi (Clifty Covert)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse						Suit
1	Invertebrate - Gastropod	IMGAS95360	Fumonelix wetherbyi (Clifty Covert)	Southern Appalachian Low Mountain Pine Forest						Marg
1	Invertebrate - Gastropod	IMGAS95360	Fumonelix wetherbyi (Clifty Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
1	Invertebrate - Gastropod	IMGAS95360	Fumonelix wetherbyi (Clifty Covert)	Allegheny-Cumberland Dry Oak Forest and Woodland						Marg
1	Invertebrate - Gastropod	IMGAS95360	Fumonelix wetherbyi (Clifty Covert)	South-Central Interior Mesophytic Forest						Suit
1	Invertebrate - Gastropod	IMGAS95360	Fumonelix wetherbyi (Clifty Covert)	Southern and Central Appalachian Cove Forest						Suit
1	Invertebrate - Gastropod	IMGAS95360	Fumonelix wetherbyi (Clifty Covert)	Appalachian Hemlock-Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS95370	Fumonelix wheateleyi (Cinnamon Covert)	Central and Southern Appalachian Spruce-Fir Forest						Suit
1	Invertebrate - Gastropod	IMGAS95370	Fumonelix wheateleyi (Cinnamon Covert)	Southern Appalachian Low Mountain Pine Forest						Marg

Terrestrial Habitat Preferences							REGIONAL HABITAT PREFERENCE				
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	MAP	UGCP	ILP	CPM	RV	SBR	
1	Invertebrate - Gastropod	IMGAS95370	Fumonelix wheatleyi (Cinnamon Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg	
1	Invertebrate - Gastropod	IMGAS95370	Fumonelix wheatleyi (Cinnamon Covert)	Central and Southern Appalachian Northern Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS95370	Fumonelix wheatleyi (Cinnamon Covert)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS95370	Fumonelix wheatleyi (Cinnamon Covert)	Southern and Central Appalachian Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGAS95370	Fumonelix wheatleyi (Cinnamon Covert)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS95371	Fumonelix wheatleyi clingmanicus (Clingman Covert)	Central and Southern Appalachian Spruce-Fir Forest						Suit	
1	Invertebrate - Gastropod	IMGAS95371	Fumonelix wheatleyi clingmanicus (Clingman Covert)	Southern Appalachian Low Mountain Pine Forest						Marg	
1	Invertebrate - Gastropod	IMGAS95371	Fumonelix wheatleyi clingmanicus (Clingman Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg	
1	Invertebrate - Gastropod	IMGAS95371	Fumonelix wheatleyi clingmanicus (Clingman Covert)	Central and Southern Appalachian Northern Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS95371	Fumonelix wheatleyi clingmanicus (Clingman Covert)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS95371	Fumonelix wheatleyi clingmanicus (Clingman Covert)	Southern and Central Appalachian Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGAS95371	Fumonelix wheatleyi clingmanicus (Clingman Covert)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73070	Glyphyalinia junaluskana (Dark Glyph)	Central and Southern Appalachian Northern Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73070	Glyphyalinia junaluskana (Dark Glyph)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73070	Glyphyalinia junaluskana (Dark Glyph)	Southern and Central Appalachian Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73110	Glyphyalinia ocoae (Blue-gray Glyph)	Southern Appalachian Low Mountain Pine Forest						Marg	
1	Invertebrate - Gastropod	IMGAS73110	Glyphyalinia ocoae (Blue-gray Glyph)	Southern Appalachian Montane Pine Forest and Woodland						Marg	
1	Invertebrate - Gastropod	IMGAS73110	Glyphyalinia ocoae (Blue-gray Glyph)	Central and Southern Appalachian Northern Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73110	Glyphyalinia ocoae (Blue-gray Glyph)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73110	Glyphyalinia ocoae (Blue-gray Glyph)	Southern and Central Appalachian Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73110	Glyphyalinia ocoae (Blue-gray Glyph)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73130	Glyphyalinia pentadelphia (Pink Glyph)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse						Suit	
1	Invertebrate - Gastropod	IMGAS73130	Glyphyalinia pentadelphia (Pink Glyph)	Southern Appalachian Low Mountain Pine Forest						Marg	
1	Invertebrate - Gastropod	IMGAS73130	Glyphyalinia pentadelphia (Pink Glyph)	Southern Appalachian Montane Pine Forest and Woodland						Marg	
1	Invertebrate - Gastropod	IMGAS73130	Glyphyalinia pentadelphia (Pink Glyph)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit	
1	Invertebrate - Gastropod	IMGAS73130	Glyphyalinia pentadelphia (Pink Glyph)	Central and Southern Appalachian Northern Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73130	Glyphyalinia pentadelphia (Pink Glyph)	South-Central Interior Mesophytic Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73130	Glyphyalinia pentadelphia (Pink Glyph)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73130	Glyphyalinia pentadelphia (Pink Glyph)	Southern and Central Appalachian Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73130	Glyphyalinia pentadelphia (Pink Glyph)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73180	Glyphyalinia rimula (Tongued Glyph)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse						Suit	
1	Invertebrate - Gastropod	IMGAS73180	Glyphyalinia rimula (Tongued Glyph)	Central Interior Calcareous Cliff and Talus						Suit	
1	Invertebrate - Gastropod	IMGAS73180	Glyphyalinia rimula (Tongued Glyph)	Southern Interior Sinkhole Wall						Suit	
1	Invertebrate - Gastropod	IMGAS73180	Glyphyalinia rimula (Tongued Glyph)	Southern Appalachian Low Mountain Pine Forest						Marg	
1	Invertebrate - Gastropod	IMGAS73180	Glyphyalinia rimula (Tongued Glyph)	Southern Appalachian Montane Pine Forest and Woodland						Marg	
1	Invertebrate - Gastropod	IMGAS73180	Glyphyalinia rimula (Tongued Glyph)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit	
1	Invertebrate - Gastropod	IMGAS73180	Glyphyalinia rimula (Tongued Glyph)	Southern Interior Low Plateau Dry Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73180	Glyphyalinia rimula (Tongued Glyph)	South-Central Interior Mesophytic Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73180	Glyphyalinia rimula (Tongued Glyph)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73180	Glyphyalinia rimula (Tongued Glyph)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73230	Glyphyalinia vanattai (Honey Glyph)	Central and Southern Appalachian Spruce-Fir Forest						Marg	
1	Invertebrate - Gastropod	IMGAS73230	Glyphyalinia vanattai (Honey Glyph)	Southern Appalachian Low Mountain Pine Forest						Marg	
1	Invertebrate - Gastropod	IMGAS73230	Glyphyalinia vanattai (Honey Glyph)	Southern Appalachian Montane Pine Forest and Woodland						Marg	
1	Invertebrate - Gastropod	IMGAS73230	Glyphyalinia vanattai (Honey Glyph)	Central and Southern Appalachian Northern Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73230	Glyphyalinia vanattai (Honey Glyph)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73230	Glyphyalinia vanattai (Honey Glyph)	Southern and Central Appalachian Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGAS73230	Glyphyalinia vanattai (Honey Glyph)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS36080	Haplotrema kendeighi (Blue-footed Lancetooth)	Central and Southern Appalachian Spruce-Fir Forest						Suit	
1	Invertebrate - Gastropod	IMGAS36080	Haplotrema kendeighi (Blue-footed Lancetooth)	Southern Appalachian Low Mountain Pine Forest						Marg	
1	Invertebrate - Gastropod	IMGAS36080	Haplotrema kendeighi (Blue-footed Lancetooth)	Southern Appalachian Montane Pine Forest and Woodland						Marg	
1	Invertebrate - Gastropod	IMGAS36080	Haplotrema kendeighi (Blue-footed Lancetooth)	Central and Southern Appalachian Northern Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS36080	Haplotrema kendeighi (Blue-footed Lancetooth)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS36080	Haplotrema kendeighi (Blue-footed Lancetooth)	Southern and Central Appalachian Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGAS36080	Haplotrema kendeighi (Blue-footed Lancetooth)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS50210	Helicodiscus aldrichianus (Burrowing Coil)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse						Suit	
1	Invertebrate - Gastropod	IMGAS50210	Helicodiscus aldrichianus (Burrowing Coil)	Central Interior Acidic Cliff and Talus						Suit	
1	Invertebrate - Gastropod	IMGAS50210	Helicodiscus aldrichianus (Burrowing Coil)	Central Interior Calcareous Cliff and Talus						Suit	
1	Invertebrate - Gastropod	IMGAS50210	Helicodiscus aldrichianus (Burrowing Coil)	Southern Appalachian Montane Cliff and Talus						Suit	
1	Invertebrate - Gastropod	IMGAS50210	Helicodiscus aldrichianus (Burrowing Coil)	Cumberland Acid Cliff						Suit	
1	Invertebrate - Gastropod	IMGAS50210	Helicodiscus aldrichianus (Burrowing Coil)	Southern Appalachian Low Mountain Pine Forest						Marg	
1	Invertebrate - Gastropod	IMGAS50210	Helicodiscus aldrichianus (Burrowing Coil)	Southern Appalachian Montane Pine Forest and Woodland						Marg	
1	Invertebrate - Gastropod	IMGAS50210	Helicodiscus aldrichianus (Burrowing Coil)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit	
1	Invertebrate - Gastropod	IMGAS50210	Helicodiscus aldrichianus (Burrowing Coil)	Southern Interior Low Plateau Dry Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGAS50210	Helicodiscus aldrichianus (Burrowing Coil)	South-Central Interior Mesophytic Forest						Suit	
1	Invertebrate - Gastropod	IMGAS50210	Helicodiscus aldrichianus (Burrowing Coil)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS50210	Helicodiscus aldrichianus (Burrowing Coil)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS50050	Helicodiscus enneodon (Bluff Coil)	Southern Interior Calcareous Cliff						Suit	
1	Invertebrate - Gastropod	IMGAS50050	Helicodiscus enneodon (Bluff Coil)	Southern Interior Sinkhole Wall						Suit	
1	Invertebrate - Gastropod	IMGAS50050	Helicodiscus enneodon (Bluff Coil)	Southern Appalachian Low Mountain Pine Forest						Marg	
1	Invertebrate - Gastropod	IMGAS50050	Helicodiscus enneodon (Bluff Coil)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit	
1	Invertebrate - Gastropod	IMGAS50050	Helicodiscus enneodon (Bluff Coil)	South-Central Interior Mesophytic Forest						Suit	
1	Invertebrate - Gastropod	IMGAS50050	Helicodiscus enneodon (Bluff Coil)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS50050	Helicodiscus enneodon (Bluff Coil)	Southern and Central Appalachian Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGAS50050	Helicodiscus enneodon (Bluff Coil)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS50060	Helicodiscus fimbriatus (Fringed Coil)	Southern Appalachian Low Mountain Pine Forest						Marg	
1	Invertebrate - Gastropod	IMGAS50060	Helicodiscus fimbriatus (Fringed Coil)	Central and Southern Appalachian Northern Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS50060	Helicodiscus fimbriatus (Fringed Coil)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS50060	Helicodiscus fimbriatus (Fringed Coil)	Southern and Central Appalachian Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGAS50060	Helicodiscus fimbriatus (Fringed Coil)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS50080	Helicodiscus hexodon (Toothy Coil)	Southern Appalachian Low Mountain Pine Forest						Marg	
1	Invertebrate - Gastropod	IMGAS50080	Helicodiscus hexodon (Toothy Coil)	Allegheny-Cumberland Dry Oak Forest and Woodland						Marg	
1	Invertebrate - Gastropod	IMGAS50080	Helicodiscus hexodon (Toothy Coil)	South-Central Interior Mesophytic Forest						Suit	
1	Invertebrate - Gastropod	IMGAS50080	Helicodiscus hexodon (Toothy Coil)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS50080	Helicodiscus hexodon (Toothy Coil)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS95110	Inflectarius downieanus (Dwarf Globelet)	Southern Appalachian Low Mountain Pine Forest						Suit	

Terrestrial Habitat Preferences										
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	REGIONAL HABITAT PREFERENCE					
					MAP	UGCP	ILP	CPM	RV	SBR
1	Invertebrate - Gastropod	IMGAS95110	Inflectarius downieanus (Dwarf Globelet)	Southern Appalachian Montane Pine Forest and Woodland				Suit		Suit
1	Invertebrate - Gastropod	IMGAS95110	Inflectarius downieanus (Dwarf Globelet)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
1	Invertebrate - Gastropod	IMGAS95110	Inflectarius downieanus (Dwarf Globelet)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS95110	Inflectarius downieanus (Dwarf Globelet)	South-Central Interior Mesophytic Forest				Suit		
1	Invertebrate - Gastropod	IMGAS95110	Inflectarius downieanus (Dwarf Globelet)	Southern and Central Appalachian Cove Forest				Suit		Suit
1	Invertebrate - Gastropod	IMGAS95110	Inflectarius downieanus (Dwarf Globelet)	Southern and Central Appalachian Oak Forest						Suit
1	Invertebrate - Gastropod	IMGAS95110	Inflectarius downieanus (Dwarf Globelet)	Appalachian Hemlock-Hardwood Forest				Suit		Suit
1	Invertebrate - Gastropod	IMGAS95140	Inflectarius ferrissi (Smokey Mountain Covert)	Central and Southern Appalachian Spruce-Fir Forest						Suit
1	Invertebrate - Gastropod	IMGAS95140	Inflectarius ferrissi (Smokey Mountain Covert)	Southern Appalachian Low Mountain Pine Forest						Marg
1	Invertebrate - Gastropod	IMGAS95140	Inflectarius ferrissi (Smokey Mountain Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
1	Invertebrate - Gastropod	IMGAS95140	Inflectarius ferrissi (Smokey Mountain Covert)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS95140	Inflectarius ferrissi (Smokey Mountain Covert)	Southern and Central Appalachian Cove Forest						Suit
1	Invertebrate - Gastropod	IMGAS95140	Inflectarius ferrissi (Smokey Mountain Covert)	Southern and Central Appalachian Oak Forest						Suit
1	Invertebrate - Gastropod	IMGAS95140	Inflectarius ferrissi (Smokey Mountain Covert)	Appalachian Hemlock-Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS95180	Inflectarius kalmianus (Brown Globelet)	Central Interior Highlands Calcareous Glade and Barrens			Suit	Suit		
1	Invertebrate - Gastropod	IMGAS95180	Inflectarius kalmianus (Brown Globelet)	Central Interior Highlands Dry Acidic Glade and Barrens			Suit			
1	Invertebrate - Gastropod	IMGAS95180	Inflectarius kalmianus (Brown Globelet)	Cumberland Sandstone Glade and Barrens				Marg		
1	Invertebrate - Gastropod	IMGAS95180	Inflectarius kalmianus (Brown Globelet)	Nashville Basin Limestone Glade			Marg			
1	Invertebrate - Gastropod	IMGAS95180	Inflectarius kalmianus (Brown Globelet)	Eastern Highland Rim Prairie and Barrens			Suit			
1	Invertebrate - Gastropod	IMGAS95180	Inflectarius kalmianus (Brown Globelet)	Penroyal Karst Plain Prairie and Barrens			Suit			
1	Invertebrate - Gastropod	IMGAS95180	Inflectarius kalmianus (Brown Globelet)	Western Highland Rim Prairie and Barrens			Suit			
1	Invertebrate - Gastropod	IMGAS95180	Inflectarius kalmianus (Brown Globelet)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
1	Invertebrate - Gastropod	IMGAS95180	Inflectarius kalmianus (Brown Globelet)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
1	Invertebrate - Gastropod	IMGAS95180	Inflectarius kalmianus (Brown Globelet)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
1	Invertebrate - Gastropod	IMGAS95330	Inflectarius smithi (Alabama Shagreen)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse				Suit		
1	Invertebrate - Gastropod	IMGAS95330	Inflectarius smithi (Alabama Shagreen)	Southern Appalachian Low Mountain Pine Forest				Marg		
1	Invertebrate - Gastropod	IMGAS95330	Inflectarius smithi (Alabama Shagreen)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
1	Invertebrate - Gastropod	IMGAS95330	Inflectarius smithi (Alabama Shagreen)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
1	Invertebrate - Gastropod	IMGAS95330	Inflectarius smithi (Alabama Shagreen)	South-Central Interior Mesophytic Forest				Suit		
1	Invertebrate - Gastropod	IMGAS95330	Inflectarius smithi (Alabama Shagreen)	Southern and Central Appalachian Cove Forest				Suit		
1	Invertebrate - Gastropod	IMGAS95330	Inflectarius smithi (Alabama Shagreen)	Appalachian Hemlock-Hardwood Forest				Suit		
1	Invertebrate - Gastropod	IMGAS95340	Inflectarius subpalliatu (Velvet Covert)	Central and Southern Appalachian Spruce-Fir Forest						Suit
1	Invertebrate - Gastropod	IMGAS95340	Inflectarius subpalliatu (Velvet Covert)	Southern Appalachian Low Mountain Pine Forest						Marg
1	Invertebrate - Gastropod	IMGAS95340	Inflectarius subpalliatu (Velvet Covert)	Southern Appalachian Montane Pine Forest and Woodland						Marg
1	Invertebrate - Gastropod	IMGAS95340	Inflectarius subpalliatu (Velvet Covert)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS95340	Inflectarius subpalliatu (Velvet Covert)	Southern and Central Appalachian Cove Forest						Suit
1	Invertebrate - Gastropod	IMGAS95340	Inflectarius subpalliatu (Velvet Covert)	Southern and Central Appalachian Oak Forest						Suit
1	Invertebrate - Gastropod	IMGAS95340	Inflectarius subpalliatu (Velvet Covert)	Appalachian Hemlock-Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGASQ0030	Megapallifera wetherbyi (Blotchy Mantleslug)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse				Suit		
1	Invertebrate - Gastropod	IMGASQ0030	Megapallifera wetherbyi (Blotchy Mantleslug)	Southern Appalachian Low Mountain Pine Forest				Marg		
1	Invertebrate - Gastropod	IMGASQ0030	Megapallifera wetherbyi (Blotchy Mantleslug)	Southern Appalachian Montane Pine Forest and Woodland				Marg		
1	Invertebrate - Gastropod	IMGASQ0030	Megapallifera wetherbyi (Blotchy Mantleslug)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit		
1	Invertebrate - Gastropod	IMGASQ0030	Megapallifera wetherbyi (Blotchy Mantleslug)	South-Central Interior Mesophytic Forest				Suit		
1	Invertebrate - Gastropod	IMGASQ0030	Megapallifera wetherbyi (Blotchy Mantleslug)	Southern and Central Appalachian Cove Forest				Suit		
1	Invertebrate - Gastropod	IMGASQ0030	Megapallifera wetherbyi (Blotchy Mantleslug)	Appalachian Hemlock-Hardwood Forest				Suit		
1	Invertebrate - Gastropod	IMGAS95390	Mesodon altivagus (Wandering Globe)	Central and Southern Appalachian Spruce-Fir Forest						Suit
1	Invertebrate - Gastropod	IMGAS95390	Mesodon altivagus (Wandering Globe)	Southern Appalachian Low Mountain Pine Forest						Marg
1	Invertebrate - Gastropod	IMGAS95390	Mesodon altivagus (Wandering Globe)	Southern Appalachian Montane Pine Forest and Woodland						Marg
1	Invertebrate - Gastropod	IMGAS95390	Mesodon altivagus (Wandering Globe)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS95390	Mesodon altivagus (Wandering Globe)	Southern and Central Appalachian Cove Forest						Marg
1	Invertebrate - Gastropod	IMGAS95390	Mesodon altivagus (Wandering Globe)	Southern and Central Appalachian Oak Forest						Marg
1	Invertebrate - Gastropod	IMGAS95390	Mesodon altivagus (Wandering Globe)	Appalachian Hemlock-Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS95010	Mesodon andrewsae (Balsam Globe)	Central and Southern Appalachian Spruce-Fir Forest						Suit
1	Invertebrate - Gastropod	IMGAS95010	Mesodon andrewsae (Balsam Globe)	Southern Appalachian Low Mountain Pine Forest						Marg
1	Invertebrate - Gastropod	IMGAS95010	Mesodon andrewsae (Balsam Globe)	Southern Appalachian Montane Pine Forest and Woodland						Marg
1	Invertebrate - Gastropod	IMGAS95010	Mesodon andrewsae (Balsam Globe)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS95010	Mesodon andrewsae (Balsam Globe)	Southern and Central Appalachian Cove Forest						Suit
1	Invertebrate - Gastropod	IMGAS95010	Mesodon andrewsae (Balsam Globe)	Southern and Central Appalachian Oak Forest						Suit
1	Invertebrate - Gastropod	IMGAS95010	Mesodon andrewsae (Balsam Globe)	Appalachian Hemlock-Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS95300	Mesodon sanus (Squat Globelet)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse				Suit		
1	Invertebrate - Gastropod	IMGAS95300	Mesodon sanus (Squat Globelet)	Southern Appalachian Montane Cliff and Talus				Suit		
1	Invertebrate - Gastropod	IMGAS95300	Mesodon sanus (Squat Globelet)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg		
1	Invertebrate - Gastropod	IMGAS95300	Mesodon sanus (Squat Globelet)	South-Central Interior Mesophytic Forest				Suit		
1	Invertebrate - Gastropod	IMGAS95300	Mesodon sanus (Squat Globelet)	Southern and Central Appalachian Cove Forest				Suit		
1	Invertebrate - Gastropod	IMGAS95300	Mesodon sanus (Squat Globelet)	Appalachian Hemlock-Hardwood Forest				Suit		
1	Invertebrate - Gastropod	IMGAS95300	Mesodon sanus (Squat Globelet)	Cumberland Seepage Forest				Marg		
1	Invertebrate - Gastropod	IMGAS75010	Mesomphix andrewsae (Mountain Button)	Southern Appalachian Low Mountain Pine Forest						Marg
1	Invertebrate - Gastropod	IMGAS75010	Mesomphix andrewsae (Mountain Button)	Southern Appalachian Montane Pine Forest and Woodland						Marg
1	Invertebrate - Gastropod	IMGAS75010	Mesomphix andrewsae (Mountain Button)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS75010	Mesomphix andrewsae (Mountain Button)	Southern and Central Appalachian Cove Forest						Suit
1	Invertebrate - Gastropod	IMGAS75010	Mesomphix andrewsae (Mountain Button)	Southern and Central Appalachian Oak Forest						Marg
1	Invertebrate - Gastropod	IMGAS75010	Mesomphix andrewsae (Mountain Button)	Appalachian Hemlock-Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS75130	Mesomphix rugeli (Wrinkled Button)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse				Suit		
1	Invertebrate - Gastropod	IMGAS75130	Mesomphix rugeli (Wrinkled Button)	Southern Interior Sinkhole Wall					Suit	Suit
1	Invertebrate - Gastropod	IMGAS75130	Mesomphix rugeli (Wrinkled Button)	Central and Southern Appalachian Spruce-Fir Forest						Suit
1	Invertebrate - Gastropod	IMGAS75130	Mesomphix rugeli (Wrinkled Button)	Southern Appalachian Low Mountain Pine Forest				Marg	Marg	Marg
1	Invertebrate - Gastropod	IMGAS75130	Mesomphix rugeli (Wrinkled Button)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
1	Invertebrate - Gastropod	IMGAS75130	Mesomphix rugeli (Wrinkled Button)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
1	Invertebrate - Gastropod	IMGAS75130	Mesomphix rugeli (Wrinkled Button)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Invertebrate - Gastropod	IMGAS75130	Mesomphix rugeli (Wrinkled Button)	South-Central Interior Mesophytic Forest				Suit	Suit	
1	Invertebrate - Gastropod	IMGAS75130	Mesomphix rugeli (Wrinkled Button)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
1	Invertebrate - Gastropod	IMGAS75130	Mesomphix rugeli (Wrinkled Button)	Southern and Central Appalachian Oak Forest				Suit	Suit	Suit
1	Invertebrate - Gastropod	IMGAS75130	Mesomphix rugeli (Wrinkled Button)	Appalachian Hemlock-Hardwood Forest				Suit	Suit	Suit
1	Invertebrate - Gastropod	IMGAS75140	Mesomphix subplanus (Flat Button)	Central and Southern Appalachian Spruce-Fir Forest						Suit
1	Invertebrate - Gastropod	IMGAS75140	Mesomphix subplanus (Flat Button)	Southern Appalachian Low Mountain Pine Forest						Marg









Terrestrial Habitat Preferences							REGIONAL HABITAT PREFERENCE				
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	MAP	UGCP	ILP	CPM	RV	SBR	
1	Invertebrate - Gastropod	IMGAS81010	Striatura exigua (Ribbed Striate)	Southern Appalachian Montane Pine Forest and Woodland						Marg	
1	Invertebrate - Gastropod	IMGAS81010	Striatura exigua (Ribbed Striate)	Central and Southern Appalachian Northern Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS81010	Striatura exigua (Ribbed Striate)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS81010	Striatura exigua (Ribbed Striate)	Southern and Central Appalachian Oak Forest						Marg	
1	Invertebrate - Gastropod	IMGAS81010	Striatura exigua (Ribbed Striate)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS68260	Succinea greenii (Dryland Ambersnail)	Central Interior Acidic Cliff and Talus			Suit				
1	Invertebrate - Gastropod	IMGAS68260	Succinea greenii (Dryland Ambersnail)	Central Interior Calcareous Cliff and Talus			Suit				
1	Invertebrate - Gastropod	IMGASA2060	Triodopsis anteridon (Carter Three-tooth or Buttress Three-tooth)	Southern Appalachian Low Mountain Pine Forest						Marg	
1	Invertebrate - Gastropod	IMGASA2060	Triodopsis anteridon (Carter Three-tooth or Buttress Three-tooth)	Southern Appalachian Montane Pine Forest and Woodland						Marg	
1	Invertebrate - Gastropod	IMGASA2060	Triodopsis anteridon (Carter Three-tooth or Buttress Three-tooth)	Central and Southern Appalachian Northern Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGASA2060	Triodopsis anteridon (Carter Three-tooth or Buttress Three-tooth)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGASA2060	Triodopsis anteridon (Carter Three-tooth or Buttress Three-tooth)	Southern and Central Appalachian Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGASA2060	Triodopsis anteridon (Carter Three-tooth or Buttress Three-tooth)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGASA1070	Triodopsis claibornensis (Claiborne Three-tooth)	Southern Appalachian Low Mountain Pine Forest						Marg	
1	Invertebrate - Gastropod	IMGASA1070	Triodopsis claibornensis (Claiborne Three-tooth)	Southern Appalachian Montane Pine Forest and Woodland						Marg	
1	Invertebrate - Gastropod	IMGASA1070	Triodopsis claibornensis (Claiborne Three-tooth)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit	
1	Invertebrate - Gastropod	IMGASA1070	Triodopsis claibornensis (Claiborne Three-tooth)	South-Central Interior Mesophytic Forest						Suit	
1	Invertebrate - Gastropod	IMGASA1070	Triodopsis claibornensis (Claiborne Three-tooth)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGASA1070	Triodopsis claibornensis (Claiborne Three-tooth)	Southern and Central Appalachian Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGASA1070	Triodopsis claibornensis (Claiborne Three-tooth)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82050	Ventridens coelaxis (Bidentate Dome)	Southern Interior Sinkhole Wall						Suit	
1	Invertebrate - Gastropod	IMGAS82050	Ventridens coelaxis (Bidentate Dome)	Central and Southern Appalachian Spruce-Fir Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82050	Ventridens coelaxis (Bidentate Dome)	Southern Appalachian Low Mountain Pine Forest						Marg	
1	Invertebrate - Gastropod	IMGAS82050	Ventridens coelaxis (Bidentate Dome)	Southern Appalachian Montane Pine Forest and Woodland						Marg	
1	Invertebrate - Gastropod	IMGAS82050	Ventridens coelaxis (Bidentate Dome)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit	
1	Invertebrate - Gastropod	IMGAS82050	Ventridens coelaxis (Bidentate Dome)	Central and Southern Appalachian Northern Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82050	Ventridens coelaxis (Bidentate Dome)	South-Central Interior Mesophytic Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82050	Ventridens coelaxis (Bidentate Dome)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82050	Ventridens coelaxis (Bidentate Dome)	Southern and Central Appalachian Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82050	Ventridens coelaxis (Bidentate Dome)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82070	Ventridens decussatus (Crossed Dome)	Central and Southern Appalachian Spruce-Fir Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82070	Ventridens decussatus (Crossed Dome)	Southern Appalachian Low Mountain Pine Forest						Marg	
1	Invertebrate - Gastropod	IMGAS82070	Ventridens decussatus (Crossed Dome)	Southern Appalachian Montane Pine Forest and Woodland						Marg	
1	Invertebrate - Gastropod	IMGAS82070	Ventridens decussatus (Crossed Dome)	Central and Southern Appalachian Northern Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82070	Ventridens decussatus (Crossed Dome)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82070	Ventridens decussatus (Crossed Dome)	Southern and Central Appalachian Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82070	Ventridens decussatus (Crossed Dome)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82090	Ventridens eutropis (Carinate Dome)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse						Suit	
1	Invertebrate - Gastropod	IMGAS82090	Ventridens eutropis (Carinate Dome)	Southern Appalachian Low Mountain Pine Forest						Marg	
1	Invertebrate - Gastropod	IMGAS82090	Ventridens eutropis (Carinate Dome)	Southern Appalachian Montane Pine Forest and Woodland						Marg	
1	Invertebrate - Gastropod	IMGAS82090	Ventridens eutropis (Carinate Dome)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit	
1	Invertebrate - Gastropod	IMGAS82090	Ventridens eutropis (Carinate Dome)	Southern Interior Low Plateau Dry Oak Forest			Suit				
1	Invertebrate - Gastropod	IMGAS82090	Ventridens eutropis (Carinate Dome)	South-Central Interior Mesophytic Forest			Suit			Suit	
1	Invertebrate - Gastropod	IMGAS82090	Ventridens eutropis (Carinate Dome)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82090	Ventridens eutropis (Carinate Dome)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82120	Ventridens lasmodon (Hollow Dome)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse						Suit	
1	Invertebrate - Gastropod	IMGAS82120	Ventridens lasmodon (Hollow Dome)	Central and Southern Appalachian Spruce-Fir Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82120	Ventridens lasmodon (Hollow Dome)	Southern Appalachian Low Mountain Pine Forest						Marg	
1	Invertebrate - Gastropod	IMGAS82120	Ventridens lasmodon (Hollow Dome)	Southern Appalachian Montane Pine Forest and Woodland						Marg	
1	Invertebrate - Gastropod	IMGAS82120	Ventridens lasmodon (Hollow Dome)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit	
1	Invertebrate - Gastropod	IMGAS82120	Ventridens lasmodon (Hollow Dome)	Central and Southern Appalachian Northern Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82120	Ventridens lasmodon (Hollow Dome)	South-Central Interior Mesophytic Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82120	Ventridens lasmodon (Hollow Dome)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82120	Ventridens lasmodon (Hollow Dome)	Southern and Central Appalachian Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82120	Ventridens lasmodon (Hollow Dome)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82160	Ventridens percallosus (Tennessee Dome)	Southern Appalachian Low Mountain Pine Forest						Marg	
1	Invertebrate - Gastropod	IMGAS82160	Ventridens percallosus (Tennessee Dome)	Southern Appalachian Montane Pine Forest and Woodland						Marg	
1	Invertebrate - Gastropod	IMGAS82160	Ventridens percallosus (Tennessee Dome)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit	
1	Invertebrate - Gastropod	IMGAS82160	Ventridens percallosus (Tennessee Dome)	South-Central Interior Mesophytic Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82160	Ventridens percallosus (Tennessee Dome)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82160	Ventridens percallosus (Tennessee Dome)	Southern and Central Appalachian Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82160	Ventridens percallosus (Tennessee Dome)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS82160	Ventridens percallosus (Tennessee Dome)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit	
1	Invertebrate - Gastropod	IMGAS20100	Vertigo clappi (Cupped Vertigo)	Southern Appalachian Low Mountain Pine Forest						Marg	
1	Invertebrate - Gastropod	IMGAS20100	Vertigo clappi (Cupped Vertigo)	Southern Appalachian Montane Pine Forest and Woodland						Marg	
1	Invertebrate - Gastropod	IMGAS20100	Vertigo clappi (Cupped Vertigo)	Central and Southern Appalachian Northern Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS20100	Vertigo clappi (Cupped Vertigo)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS20100	Vertigo clappi (Cupped Vertigo)	Southern and Central Appalachian Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGAS20100	Vertigo clappi (Cupped Vertigo)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS20270	Vertigo parvula (Smallmouth Vertigo)	Central and Southern Appalachian Northern Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS20270	Vertigo parvula (Smallmouth Vertigo)	Southern and Central Appalachian Cove Forest						Suit	
1	Invertebrate - Gastropod	IMGAS20270	Vertigo parvula (Smallmouth Vertigo)	Southern and Central Appalachian Oak Forest						Suit	
1	Invertebrate - Gastropod	IMGAS20270	Vertigo parvula (Smallmouth Vertigo)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Invertebrate - Gastropod	IMGAS20360	Vertigo teskeyae (Swamp Vertigo)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit				
1	Invertebrate - Gastropod	IMGAS20360	Vertigo teskeyae (Swamp Vertigo)	South-Central Interior Large Floodplain			Suit				
1	Invertebrate - Gastropod	IMGAS20360	Vertigo teskeyae (Swamp Vertigo)	South-Central Interior Small Stream and Riparian			Suit				
1	Invertebrate - Gastropod	IMGAS20360	Vertigo teskeyae (Swamp Vertigo)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit	
1	Invertebrate - Gastropod	IMGAS20360	Vertigo teskeyae (Swamp Vertigo)	Converted Wetland (Rivine)	Suit	Suit	Suit	Suit	Suit	Suit	
1	Invertebrate - Gastropod	IMGAS20360	Vertigo teskeyae (Swamp Vertigo)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit	
1	Invertebrate - Gastropod	IMGASA1250	Webbhelix multilineata (Striped Whitelip)	Lower Mississippi River Bottomland and Floodplain Forest	Suit						
1	Invertebrate - Gastropod	IMGASA1250	Webbhelix multilineata (Striped Whitelip)	Lower Mississippi River Bottomland Depression	Pref						
1	Invertebrate - Gastropod	IMGASA1280	Xolotrema obstrictum (Sharp Wedge)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse						Suit	
1	Invertebrate - Gastropod	IMGASA1280	Xolotrema obstrictum (Sharp Wedge)	Central Interior Calcareous Cliff and Talus			Suit				
1	Invertebrate - Gastropod	IMGASA1280	Xolotrema obstrictum (Sharp Wedge)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit	
1	Invertebrate - Gastropod	IMGASA1280	Xolotrema obstrictum (Sharp Wedge)	Southern Interior Low Plateau Dry Oak Forest			Suit				

Terrestrial Habitat Preferences											
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	REGIONAL HABITAT PREFERENCE						
					MAP	UGCP	ILP	CPM	RV	SBR	
1	Invertebrate - Gastropod	IMGASA1280	Xolotrema obstrictum (Sharp Wedge)	South-Central Interior Mesophytic Forest			Suit	Suit			
1	Invertebrate - Gastropod	IMGASA1280	Xolotrema obstrictum (Sharp Wedge)	Southern and Central Appalachian Cove Forest				Suit			
1	Invertebrate - Gastropod	IMGASA1280	Xolotrema obstrictum (Sharp Wedge)	Appalachian Hemlock-Hardwood Forest				Marg			
1	Invertebrate - Gastropod	IMGASA1280	Xolotrema obstrictum (Sharp Wedge)	Central Interior Highlands Calcareous Glade and Barrens					Marg		
1	Invertebrate - Gastropod	IMGAS85040	Zonitoides lateumbilicatus (Striate Gloss)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse					Suit		
1	Invertebrate - Gastropod	IMGAS85040	Zonitoides lateumbilicatus (Striate Gloss)	Southern Appalachian Low Mountain Pine Forest					Marg		
1	Invertebrate - Gastropod	IMGAS85040	Zonitoides lateumbilicatus (Striate Gloss)	Southern Appalachian Montane Pine Forest and Woodland					Marg		
1	Invertebrate - Gastropod	IMGAS85040	Zonitoides lateumbilicatus (Striate Gloss)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit		
1	Invertebrate - Gastropod	IMGAS85040	Zonitoides lateumbilicatus (Striate Gloss)	South-Central Interior Mesophytic Forest					Suit		
1	Invertebrate - Gastropod	IMGAS85040	Zonitoides lateumbilicatus (Striate Gloss)	Southern and Central Appalachian Cove Forest					Suit		
1	Invertebrate - Gastropod	IMGAS85040	Zonitoides lateumbilicatus (Striate Gloss)	Appalachian Hemlock-Hardwood Forest					Suit		
1	Vertebrate - Amphibian	AAABC01020	Acris gryllus (Southern Cricket Frog)	South-Central Interior / Upper Coastal Plain Flatwoods					Marg		
1	Vertebrate - Amphibian	AAABC01020	Acris gryllus (Southern Cricket Frog)	South-Central Interior / Upper Coastal Plain Wet Flatwoods					Suit		
1	Vertebrate - Amphibian	AAABC01020	Acris gryllus (Southern Cricket Frog)	East Gulf Coastal Plain Large River Floodplain Forest					Suit		
1	Vertebrate - Amphibian	AAABC01020	Acris gryllus (Southern Cricket Frog)	East Gulf Coastal Plain Northern Seepage Swamp					Pref		
1	Vertebrate - Amphibian	AAABC01020	Acris gryllus (Southern Cricket Frog)	East Gulf Coastal Plain Small Stream and River Floodplain Forest					Suit		
1	Vertebrate - Amphibian	AAABC01020	Acris gryllus (Southern Cricket Frog)	Lower Mississippi River Bottomland and Floodplain Forest			Suit				
1	Vertebrate - Amphibian	AAABC01020	Acris gryllus (Southern Cricket Frog)	Lower Mississippi River Bottomland Depression			Suit				
1	Vertebrate - Amphibian	AAABC01020	Acris gryllus (Southern Cricket Frog)	South-Central Interior Small Stream and Riparian					Suit		
1	Vertebrate - Amphibian	AAABC01020	Acris gryllus (Southern Cricket Frog)	Converted Wetland (Palustrine)			Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Amphibian	AAABC01020	Acris gryllus (Southern Cricket Frog)	Converted Wetland (Riverine)		Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Amphibian	AAABC01020	Acris gryllus (Southern Cricket Frog)	Converted Wetland (Lacustrine)		Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Amphibian	AAAAA01170	Ambystoma barbouri (Streamside Salamander)	Southern Interior Low Plateau Dry Oak Forest					Marg		
1	Vertebrate - Amphibian	AAAAA01170	Ambystoma barbouri (Streamside Salamander)	South-Central Interior Mesophytic Forest					Suit		
1	Vertebrate - Amphibian	AAAAA01170	Ambystoma barbouri (Streamside Salamander)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond					Marg		
1	Vertebrate - Amphibian	AAAAA01170	Ambystoma barbouri (Streamside Salamander)	Western Highland Rim Seepage Fen					Suit		
1	Vertebrate - Amphibian	AAAAA01170	Ambystoma barbouri (Streamside Salamander)	South-Central Interior Large Floodplain					Marg		
1	Vertebrate - Amphibian	AAAAA01170	Ambystoma barbouri (Streamside Salamander)	South-Central Interior Small Stream and Riparian					Pref		
1	Vertebrate - Amphibian	AAAAA01170	Ambystoma barbouri (Streamside Salamander)	Converted Wetland (Palustrine)		Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Amphibian	AAAAD01010	Aneides aeneus (Green Salamander)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse						Pref	
1	Vertebrate - Amphibian	AAAAD01010	Aneides aeneus (Green Salamander)	Central Interior Acidic Cliff and Talus					Suit		
1	Vertebrate - Amphibian	AAAAD01010	Aneides aeneus (Green Salamander)	Central Interior Calcareous Cliff and Talus					Pref		
1	Vertebrate - Amphibian	AAAAD01010	Aneides aeneus (Green Salamander)	Southern Appalachian Montane Cliff and Talus					Suit	Suit	
1	Vertebrate - Amphibian	AAAAD01010	Aneides aeneus (Green Salamander)	Cumberland Acid Cliff					Suit	Suit	
1	Vertebrate - Amphibian	AAAAD01010	Aneides aeneus (Green Salamander)	Southern Interior Calcareous Cliff						Suit	
1	Vertebrate - Amphibian	AAAAD01010	Aneides aeneus (Green Salamander)	Southern Interior Sinkhole Wall					Marg	Marg	
1	Vertebrate - Amphibian	AAAAD01010	Aneides aeneus (Green Salamander)	Allegheny-Cumberland Dry Oak Forest and Woodland						Marg	Marg
1	Vertebrate - Amphibian	AAAAD01010	Aneides aeneus (Green Salamander)	Southern Interior Low Plateau Dry Oak Forest					Marg		
1	Vertebrate - Amphibian	AAAAD01010	Aneides aeneus (Green Salamander)	South-Central Interior Mesophytic Forest					Marg	Suit	Suit
1	Vertebrate - Amphibian	AAAAD01010	Aneides aeneus (Green Salamander)	Southern and Central Appalachian Cove Forest					Suit	Suit	
1	Vertebrate - Amphibian	AAAAD01010	Aneides aeneus (Green Salamander)	Southern and Central Appalachian Oak Forest						Suit	
1	Vertebrate - Amphibian	AAAAD01010	Aneides aeneus (Green Salamander)	Appalachian Hemlock-Hardwood Forest					Suit	Suit	
1	Vertebrate - Amphibian	AAAAD01010	Aneides aeneus (Green Salamander)	Central Interior Highlands Calcareous Glade and Barrens					Pref	Marg	Suit
1	Vertebrate - Amphibian	AAAAD01010	Aneides aeneus (Green Salamander)	Central Interior Highlands Dry Acidic Glade and Barrens					Suit		
1	Vertebrate - Amphibian	AAAAD01010	Aneides aeneus (Green Salamander)	Cumberland Sandstone Glade and Barrens						Marg	
1	Vertebrate - Amphibian	AAAAD01010	Aneides aeneus (Green Salamander)	Nashville Basin Limestone Glade					Pref		
1	Vertebrate - Amphibian	AAAAD01010	Aneides aeneus (Green Salamander)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland						Suit	
1	Vertebrate - Amphibian	AAAAD03010	Desmognathus aeneus (Seepage Salamander)	Central and Southern Appalachian Spruce-Fir Forest							Marg
1	Vertebrate - Amphibian	AAAAD03010	Desmognathus aeneus (Seepage Salamander)	Southern Appalachian Low Mountain Pine Forest							Marg
1	Vertebrate - Amphibian	AAAAD03010	Desmognathus aeneus (Seepage Salamander)	Southern Appalachian Montane Pine Forest and Woodland							Marg
1	Vertebrate - Amphibian	AAAAD03010	Desmognathus aeneus (Seepage Salamander)	Central and Southern Appalachian Northern Hardwood Forest							Suit
1	Vertebrate - Amphibian	AAAAD03010	Desmognathus aeneus (Seepage Salamander)	Southern and Central Appalachian Cove Forest							Suit
1	Vertebrate - Amphibian	AAAAD03010	Desmognathus aeneus (Seepage Salamander)	Southern and Central Appalachian Oak Forest							Marg
1	Vertebrate - Amphibian	AAAAD03010	Desmognathus aeneus (Seepage Salamander)	Appalachian Hemlock-Hardwood Forest							Suit
1	Vertebrate - Amphibian	AAAAD03010	Desmognathus aeneus (Seepage Salamander)	Southern and Central Appalachian Bog and Fen							Suit
1	Vertebrate - Amphibian	AAAAD03010	Desmognathus aeneus (Seepage Salamander)	Southern Appalachian Seepage Wetland							Suit
1	Vertebrate - Amphibian	AAAAD03010	Desmognathus aeneus (Seepage Salamander)	South-Central Interior Small Stream and Riparian							Suit
1	Vertebrate - Amphibian	AAAAD03100	Desmognathus wrighti (Pigmy Salamander)	Central and Southern Appalachian Spruce-Fir Forest							Pref
1	Vertebrate - Amphibian	AAAAD03100	Desmognathus wrighti (Pigmy Salamander)	Southern Appalachian Low Mountain Pine Forest							Suit
1	Vertebrate - Amphibian	AAAAD03100	Desmognathus wrighti (Pigmy Salamander)	Southern Appalachian Montane Pine Forest and Woodland							Suit
1	Vertebrate - Amphibian	AAAAD03100	Desmognathus wrighti (Pigmy Salamander)	Allegheny-Cumberland Dry Oak Forest and Woodland							Marg
1	Vertebrate - Amphibian	AAAAD03100	Desmognathus wrighti (Pigmy Salamander)	Central and Southern Appalachian Northern Hardwood Forest							Suit
1	Vertebrate - Amphibian	AAAAD03100	Desmognathus wrighti (Pigmy Salamander)	South-Central Interior Mesophytic Forest							Suit
1	Vertebrate - Amphibian	AAAAD03100	Desmognathus wrighti (Pigmy Salamander)	Southern and Central Appalachian Cove Forest							Suit
1	Vertebrate - Amphibian	AAAAD03100	Desmognathus wrighti (Pigmy Salamander)	Southern and Central Appalachian Oak Forest							Suit
1	Vertebrate - Amphibian	AAAAD03100	Desmognathus wrighti (Pigmy Salamander)	Appalachian Hemlock-Hardwood Forest							Suit
1	Vertebrate - Amphibian	AAAAD03100	Desmognathus wrighti (Pigmy Salamander)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond					Pref	Pref	Pref
1	Vertebrate - Amphibian	AAAAD08010	Hemidactylium scutatum (Four-toed Salamander)	Cumberland Seepage Forest							Suit
1	Vertebrate - Amphibian	AAAAD08010	Hemidactylium scutatum (Four-toed Salamander)	Southern and Central Appalachian Bog and Fen							Suit
1	Vertebrate - Amphibian	AAAAD08010	Hemidactylium scutatum (Four-toed Salamander)	Southern Appalachian Seepage Wetland							Pref
1	Vertebrate - Amphibian	AAAAD08010	Hemidactylium scutatum (Four-toed Salamander)	Western Highland Rim Seepage Fen							Suit
1	Vertebrate - Amphibian	AAAAD08010	Hemidactylium scutatum (Four-toed Salamander)	Converted Wetland (Palustrine)		Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Amphibian	AAABC02100	Hyla gratiosa (Barking Treefrog)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond					Pref	Pref	
1	Vertebrate - Amphibian	AAABC02100	Hyla gratiosa (Barking Treefrog)	Cumberland Seepage Forest							Suit
1	Vertebrate - Amphibian	AAABC02100	Hyla gratiosa (Barking Treefrog)	South-Central Interior / Upper Coastal Plain Wet Flatwoods					Suit		



Terrestrial Habitat Preferences										
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	REGIONAL HABITAT PREFERENCE					
					MAP	UGCP	ILP	CPM	RV	SBR
1	Vertebrate - Amphibian	AAABC05010	Pseudacris brachyphona (Mountain Chorus Frog)	South-Central Interior Large Floodplain				Marg		
1	Vertebrate - Amphibian	AAABC05010	Pseudacris brachyphona (Mountain Chorus Frog)	South-Central Interior Small Stream and Riparian				Marg		Marg
1	Vertebrate - Amphibian	AAABC05010	Pseudacris brachyphona (Mountain Chorus Frog)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Amphibian	AAABC05010	Pseudacris brachyphona (Mountain Chorus Frog)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Amphibian	AAABC05010	Pseudacris brachyphona (Mountain Chorus Frog)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Amphibian	AAABC05010	Pseudacris brachyphona (Mountain Chorus Frog)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Amphibian	AAAAD13010	Pseudotriton montanus (Mud Salamander)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond					Pref	
1	Vertebrate - Amphibian	AAAAD13010	Pseudotriton montanus (Mud Salamander)	Cumberland Seepage Forest					Pref	
1	Vertebrate - Amphibian	AAAAD13010	Pseudotriton montanus (Mud Salamander)	Southern and Central Appalachian Bog and Fen					Suit	Pref
1	Vertebrate - Amphibian	AAAAD13010	Pseudotriton montanus (Mud Salamander)	Southern Appalachian Seepage Wetland						Suit
1	Vertebrate - Amphibian	AAAAD13010	Pseudotriton montanus (Mud Salamander)	South-Central Interior Large Floodplain				Marg	Marg	Marg
1	Vertebrate - Amphibian	AAAAD13010	Pseudotriton montanus (Mud Salamander)	South-Central Interior Small Stream and Riparian				Suit	Suit	Suit
1	Vertebrate - Amphibian	AAABH01010	Rana areolata (Crawfish Frog)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland				Pref		
1	Vertebrate - Amphibian	AAABH01010	Rana areolata (Crawfish Frog)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens				Pref		
1	Vertebrate - Amphibian	AAABH01010	Rana areolata (Crawfish Frog)	South-Central Interior / Upper Coastal Plain Wet Flatwoods				Marg		
1	Vertebrate - Amphibian	AAABH01010	Rana areolata (Crawfish Frog)	East Gulf Coastal Plain Large River Floodplain Forest				Marg		
1	Vertebrate - Amphibian	AAABH01010	Rana areolata (Crawfish Frog)	East Gulf Coastal Plain Northern Seepage Swamp				Suit		
1	Vertebrate - Amphibian	AAABH01010	Rana areolata (Crawfish Frog)	East Gulf Coastal Plain Small Stream and River Floodplain Forest				Marg		
1	Vertebrate - Amphibian	AAABH01010	Rana areolata (Crawfish Frog)	Lower Mississippi River Bottomland and Floodplain Forest				Marg		
1	Vertebrate - Amphibian	AAABH01010	Rana areolata (Crawfish Frog)	Lower Mississippi River Bottomland Depression				Marg		
1	Vertebrate - Amphibian	AAABH01010	Rana areolata (Crawfish Frog)	South-Central Interior Small Stream and Riparian				Marg		
1	Vertebrate - Amphibian	AAABH01010	Rana areolata (Crawfish Frog)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Amphibian	AAABH01010	Rana areolata (Crawfish Frog)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Amphibian	AAABH01010	Rana areolata (Crawfish Frog)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Amphibian	AAABH01010	Rana areolata (Crawfish Frog)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Amphibian	AAABH01010	Rana areolata (Crawfish Frog)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Amphibian	AAABH01010	Rana areolata (Crawfish Frog)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Amphibian	AAABH01010	Rana areolata (Crawfish Frog)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Central and Southern Appalachian Spruce-Fir Forest						Suit
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Southern Appalachian Low Mountain Pine Forest				Suit	Suit	Suit
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Southern Appalachian Montane Pine Forest and Woodland					Suit	Suit
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	Suit
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	South-Central Interior / Upper Coastal Plain Flatwoods				Suit		
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Limestone Forest				Suit		
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest				Suit		
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Northern Loess Bluff Forest				Suit		
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland				Suit		
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Northern Mesic Hardwood Forest				Suit		
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Southern Interior Low Plateau Dry Oak Forest				Suit		
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	South-Central Interior Mesophytic Forest				Suit	Suit	Suit
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Southern and Central Appalachian Cove Forest					Suit	Suit
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Southern and Central Appalachian Oak Forest					Suit	Suit
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Appalachian Hemlock-Hardwood Forest					Suit	Suit
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest				Suit		
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Southern Appalachian Grass and Shrub Bald						Marg
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Southern Appalachian Rocky Summit						Suit
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Central Interior Highlands Calcareous Glade and Barrens				Marg	Marg	Marg
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Central Interior Highlands Dry Acidic Glade and Barrens				Marg	Suit	
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Cumberland Sandstone Glade and Barrens					Marg	
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Nashville Basin Limestone Glade				Marg		
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland						Marg
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland				Suit		
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens				Suit		
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Eastern Highland Rim Prairie and Barrens					Suit	
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Pennsylvanian Karst Plain Prairie and Barrens					Suit	
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Southern Ridge and Valley Patch Prairie						Suit
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Western Highland Rim Prairie and Barrens					Suit	
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Marg	Marg	Marg
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	South-Central Interior / Upper Coastal Plain Wet Flatwoods				Suit		
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Western Highland Rim Seepage Fen				Marg		
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Large River Floodplain Forest				Pref		
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Northern Seepage Swamp				Marg		
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	East Gulf Coastal Plain Small Stream and River Floodplain Forest				Suit		
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Lower Mississippi River Bottomland and Floodplain Forest				Pref		
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Lower Mississippi River Bottomland Depression				Suit		
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	South-Central Interior Large Floodplain					Suit	Suit
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	South-Central Interior Small Stream and Riparian					Suit	Suit
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Forest Plantation	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABNKC12020	Accipiter striatus (Sharp-shinned Hawk)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABNSB15020	Aegolius acadicus (Northern Saw-whet Owl)	Central and Southern Appalachian Spruce-Fir Forest						Pref
1	Vertebrate - Bird	ABNSB15020	Aegolius acadicus (Northern Saw-whet Owl)	Southern Appalachian Low Mountain Pine Forest						Marg
1	Vertebrate - Bird	ABNSB15020	Aegolius acadicus (Northern Saw-whet Owl)	Southern Appalachian Montane Pine Forest and Woodland						Marg
1	Vertebrate - Bird	ABNSB15020	Aegolius acadicus (Northern Saw-whet Owl)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit
1	Vertebrate - Bird	ABNSB15020	Aegolius acadicus (Northern Saw-whet Owl)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Vertebrate - Bird	ABNSB15020	Aegolius acadicus (Northern Saw-whet Owl)	South-Central Interior Mesophytic Forest						Suit
1	Vertebrate - Bird	ABNSB15020	Aegolius acadicus (Northern Saw-whet Owl)	Southern and Central Appalachian Cove Forest						Suit

Terrestrial Habitat Preferences											
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	REGIONAL HABITAT PREFERENCE						
					MAP	UGCP	ILP	CPM	RV	SBR	
1	Vertebrate - Bird	ABNSB15020	Aegolius acadicus (Northern Saw-whet Owl)	Southern and Central Appalachian Oak Forest							
1	Vertebrate - Bird	ABNSB15020	Aegolius acadicus (Northern Saw-whet Owl)	Appalachian Hemlock-Hardwood Forest					Pref	Suit	
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Southern Appalachian Low Mountain Pine Forest			Suit	Suit	Suit	Suit	
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Southern Appalachian Montane Pine Forest and Woodland					Suit	Suit	
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	Marg	
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	South-Central Interior / Upper Coastal Plain Flatwoods			Marg				
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	East Gulf Coastal Plain Limestone Forest			Marg				
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest			Marg				
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	East Gulf Coastal Plain Northern Loess Bluff Forest			Marg				
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland			Marg				
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	East Gulf Coastal Plain Northern Mesic Hardwood Forest			Marg				
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Southern Interior Low Plateau Dry Oak Forest				Marg			
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	South-Central Interior Mesophytic Forest		Marg	Marg	Marg	Marg	Marg	
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Southern and Central Appalachian Cove Forest					Marg	Marg	
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Southern and Central Appalachian Oak Forest						Marg	
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Appalachian Hemlock-Hardwood Forest					Marg	Marg	
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest			Suit				
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Central Interior Highlands Calcareous Glade and Barrens			Suit	Suit	Suit	Suit	
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Central Interior Highlands Dry Acidic Glade and Barrens			Suit	Suit			
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Cumberland Sandstone Glade and Barrens					Suit		
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Nashville Basin Limestone Glade				Suit			
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland						Suit	
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland			Pref				
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens			Pref				
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Eastern Highland Rim Prairie and Barrens				Pref			
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Pennyroyal Karst Plain Prairie and Barrens				Pref			
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Southern Ridge and Valley Patch Prairie						Pref	
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Western Highland Rim Prairie and Barrens				Pref			
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Forest Plantation		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Urban / Suburban Managed Forestland		Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Old Field / Successional		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Pasture		Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Urban / Suburban Managed Grassland		Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX91050	Aimophila aestivalis (Bachman's Sparrow)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBXA0030	Ammodramus henslowii (Henslow's Sparrow)	Appalachian Shale Barrens					Marg		
1	Vertebrate - Bird	ABPBXA0030	Ammodramus henslowii (Henslow's Sparrow)	Central Interior Highlands Calcareous Glade and Barrens				Suit	Suit		
1	Vertebrate - Bird	ABPBXA0030	Ammodramus henslowii (Henslow's Sparrow)	Central Interior Highlands Dry Acidic Glade and Barrens				Suit			
1	Vertebrate - Bird	ABPBXA0030	Ammodramus henslowii (Henslow's Sparrow)	Cumberland Sandstone Glade and Barrens					Suit		
1	Vertebrate - Bird	ABPBXA0030	Ammodramus henslowii (Henslow's Sparrow)	Nashville Basin Limestone Glade				Suit			
1	Vertebrate - Bird	ABPBXA0030	Ammodramus henslowii (Henslow's Sparrow)	Eastern Highland Rim Prairie and Barrens				Pref			
1	Vertebrate - Bird	ABPBXA0030	Ammodramus henslowii (Henslow's Sparrow)	Pennyroyal Karst Plain Prairie and Barrens				Pref			
1	Vertebrate - Bird	ABPBXA0030	Ammodramus henslowii (Henslow's Sparrow)	Western Highland Rim Prairie and Barrens				Pref			
1	Vertebrate - Bird	ABPBXA0030	Ammodramus henslowii (Henslow's Sparrow)	Old Field / Successional		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBXA0030	Ammodramus henslowii (Henslow's Sparrow)	Pasture		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBXA0030	Ammodramus henslowii (Henslow's Sparrow)	Cropland		Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBXA0030	Ammodramus henslowii (Henslow's Sparrow)	Urban / Suburban Managed Grassland		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBXA0030	Ammodramus henslowii (Henslow's Sparrow)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)		Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBXA0020	Ammodramus savannarum (Grasshopper Sparrow)	Central Interior Highlands Calcareous Glade and Barrens				Suit	Suit	Suit	
1	Vertebrate - Bird	ABPBXA0020	Ammodramus savannarum (Grasshopper Sparrow)	Central Interior Highlands Dry Acidic Glade and Barrens				Suit	Suit		
1	Vertebrate - Bird	ABPBXA0020	Ammodramus savannarum (Grasshopper Sparrow)	Cumberland Sandstone Glade and Barrens					Marg		
1	Vertebrate - Bird	ABPBXA0020	Ammodramus savannarum (Grasshopper Sparrow)	Nashville Basin Limestone Glade				Suit			
1	Vertebrate - Bird	ABPBXA0020	Ammodramus savannarum (Grasshopper Sparrow)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland						Marg	
1	Vertebrate - Bird	ABPBXA0020	Ammodramus savannarum (Grasshopper Sparrow)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland				Pref			
1	Vertebrate - Bird	ABPBXA0020	Ammodramus savannarum (Grasshopper Sparrow)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens				Pref			
1	Vertebrate - Bird	ABPBXA0020	Ammodramus savannarum (Grasshopper Sparrow)	Eastern Highland Rim Prairie and Barrens					Pref		
1	Vertebrate - Bird	ABPBXA0020	Ammodramus savannarum (Grasshopper Sparrow)	Pennyroyal Karst Plain Prairie and Barrens					Pref		
1	Vertebrate - Bird	ABPBXA0020	Ammodramus savannarum (Grasshopper Sparrow)	Southern Ridge and Valley Patch Prairie						Pref	
1	Vertebrate - Bird	ABPBXA0020	Ammodramus savannarum (Grasshopper Sparrow)	Western Highland Rim Prairie and Barrens					Pref		
1	Vertebrate - Bird	ABPBXA0020	Ammodramus savannarum (Grasshopper Sparrow)	Old Field / Successional		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBXA0020	Ammodramus savannarum (Grasshopper Sparrow)	Pasture		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBXA0020	Ammodramus savannarum (Grasshopper Sparrow)	Cropland		Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBXA0020	Ammodramus savannarum (Grasshopper Sparrow)	Urban / Suburban Managed Grassland		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBXA0020	Ammodramus savannarum (Grasshopper Sparrow)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNFE01010	Anhinga anhinga (Anhinga)	Lower Mississippi River Bottomland and Floodplain Forest				Pref			
1	Vertebrate - Bird	ABNFE01010	Anhinga anhinga (Anhinga)	Lower Mississippi River Bottomland Depression				Suit			
1	Vertebrate - Bird	ABNFE01010	Anhinga anhinga (Anhinga)	Converted Wetland (Palustrine)		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNFE01010	Anhinga anhinga (Anhinga)	Converted Wetland (Riverine)		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNFE01010	Anhinga anhinga (Anhinga)	Converted Wetland (Lacustrine)		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNKC22010	Aquila chrysaetos (Golden Eagle)	Southern Appalachian Montane Cliff and Talus						Suit	
1	Vertebrate - Bird	ABNKC22010	Aquila chrysaetos (Golden Eagle)	Cumberland Acid Cliff						Suit	
1	Vertebrate - Bird	ABNKC22010	Aquila chrysaetos (Golden Eagle)	Southern Interior Calcareous Cliff						Suit	
1	Vertebrate - Bird	ABNKC22010	Aquila chrysaetos (Golden Eagle)	Southern Appalachian Low Mountain Pine Forest						Suit	
1	Vertebrate - Bird	ABNKC22010	Aquila chrysaetos (Golden Eagle)	Southern Appalachian Montane Pine Forest and Woodland						Suit	
1	Vertebrate - Bird	ABNKC22010	Aquila chrysaetos (Golden Eagle)	Allegheny-Cumberland Dry Oak Forest and Woodland						Suit	
1	Vertebrate - Bird	ABNKC22010	Aquila chrysaetos (Golden Eagle)	South-Central Interior Mesophytic Forest						Suit	
1	Vertebrate - Bird	ABNKC22010	Aquila chrysaetos (Golden Eagle)	Southern and Central Appalachian Cove Forest						Suit	
1	Vertebrate - Bird	ABNKC22010	Aquila chrysaetos (Golden Eagle)	Southern and Central Appalachian Oak Forest						Suit	
1	Vertebrate - Bird	ABNKC22010	Aquila chrysaetos (Golden Eagle)	Appalachian Hemlock-Hardwood Forest						Suit	
1	Vertebrate - Bird	ABNKC22010	Aquila chrysaetos (Golden Eagle)	Central Interior Highlands Calcareous Glade and Barrens						Marg	
1	Vertebrate - Bird	ABNKC22010	Aquila chrysaetos (Golden Eagle)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland						Marg	
1	Vertebrate - Bird	ABNKC22010	Aquila chrysaetos (Golden Eagle)	Southern Ridge and Valley Patch Prairie						Suit	
1	Vertebrate - Bird	ABNGA04040	Ardea alba (Great Egret)	Lower Mississippi River Bottomland and Floodplain Forest		Suit					
1	Vertebrate - Bird	ABNGA04040	Ardea alba (Great Egret)	Lower Mississippi River Bottomland Depression		Pref					
1	Vertebrate - Bird	ABNGA04040	Ardea alba (Great Egret)	Converted Wetland (Palustrine)		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNGA04040	Ardea alba (Great Egret)	Converted Wetland (Riverine)		Suit	Suit	Suit	Suit	Suit	Suit

Terrestrial Habitat Preferences							REGIONAL HABITAT PREFERENCE					
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	MAP	UGCP	ILP	CPM	RV	SBR		
1	Vertebrate - Bird	ABNGA0400	Ardea alba (Great Egret)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNSB13040	Asio flammeus (Short-eared Owl)	Central Interior Highlands Calcareous Glade and Barrens			Suit					
1	Vertebrate - Bird	ABNSB13040	Asio flammeus (Short-eared Owl)	Central Interior Highlands Dry Acidic Glade and Barrens			Suit					
1	Vertebrate - Bird	ABNSB13040	Asio flammeus (Short-eared Owl)	Nashville Basin Limestone Glade			Suit					
1	Vertebrate - Bird	ABNSB13040	Asio flammeus (Short-eared Owl)	Eastern Highland Rim Prairie and Barrens			Pref					
1	Vertebrate - Bird	ABNSB13040	Asio flammeus (Short-eared Owl)	Pennyroyal Karst Plain Prairie and Barrens			Pref					
1	Vertebrate - Bird	ABNSB13040	Asio flammeus (Short-eared Owl)	Western Highland Rim Prairie and Barrens			Pref					
1	Vertebrate - Bird	ABNSB13040	Asio flammeus (Short-eared Owl)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg					
1	Vertebrate - Bird	ABNSB13040	Asio flammeus (Short-eared Owl)	Western Highland Rim Seepage Fen			Marg					
1	Vertebrate - Bird	ABNSB13040	Asio flammeus (Short-eared Owl)	South-Central Interior Large Floodplain			Marg					
1	Vertebrate - Bird	ABNSB13040	Asio flammeus (Short-eared Owl)	South-Central Interior Small Stream and Riparian			Marg					
1	Vertebrate - Bird	ABNSB13040	Asio flammeus (Short-eared Owl)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNSB13040	Asio flammeus (Short-eared Owl)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNSB13040	Asio flammeus (Short-eared Owl)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABNSB13040	Asio flammeus (Short-eared Owl)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABNSB13040	Asio flammeus (Short-eared Owl)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABNNF06010	Bartramia longicauda (Upland Sandpiper)	Lower Mississippi River Bottomland and Floodplain Forest	Suit							
1	Vertebrate - Bird	ABNNF06010	Bartramia longicauda (Upland Sandpiper)	Lower Mississippi River Bottomland Depression	Pref							
1	Vertebrate - Bird	ABNNF06010	Bartramia longicauda (Upland Sandpiper)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF06010	Bartramia longicauda (Upland Sandpiper)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF06010	Bartramia longicauda (Upland Sandpiper)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF06010	Bartramia longicauda (Upland Sandpiper)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF06010	Bartramia longicauda (Upland Sandpiper)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABNNF06010	Bartramia longicauda (Upland Sandpiper)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF06010	Bartramia longicauda (Upland Sandpiper)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF06010	Bartramia longicauda (Upland Sandpiper)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNGA01020	Botaurus lentiginosus (American Bittern)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit					
1	Vertebrate - Bird	ABNGA01020	Botaurus lentiginosus (American Bittern)	South-Central Interior / Upper Coastal Plain Wet Flatwoods			Suit					
1	Vertebrate - Bird	ABNGA01020	Botaurus lentiginosus (American Bittern)	Western Highland Rim Seepage Fen			Suit					
1	Vertebrate - Bird	ABNGA01020	Botaurus lentiginosus (American Bittern)	East Gulf Coastal Plain Large River Floodplain Forest			Pref					
1	Vertebrate - Bird	ABNGA01020	Botaurus lentiginosus (American Bittern)	East Gulf Coastal Plain Northern Seepage Swamp			Suit					
1	Vertebrate - Bird	ABNGA01020	Botaurus lentiginosus (American Bittern)	East Gulf Coastal Plain Small Stream and River Floodplain Forest			Suit					
1	Vertebrate - Bird	ABNGA01020	Botaurus lentiginosus (American Bittern)	Lower Mississippi River Bottomland and Floodplain Forest	Suit							
1	Vertebrate - Bird	ABNGA01020	Botaurus lentiginosus (American Bittern)	Lower Mississippi River Bottomland Depression	Pref							
1	Vertebrate - Bird	ABNGA01020	Botaurus lentiginosus (American Bittern)	South-Central Interior Large Floodplain			Pref					
1	Vertebrate - Bird	ABNGA01020	Botaurus lentiginosus (American Bittern)	South-Central Interior Small Stream and Riparian			Suit	Suit				
1	Vertebrate - Bird	ABNGA01020	Botaurus lentiginosus (American Bittern)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNGA01020	Botaurus lentiginosus (American Bittern)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNGA01020	Botaurus lentiginosus (American Bittern)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF11020	Calidris canutus (Red Knot)	Lower Mississippi River Bottomland and Floodplain Forest	Suit							
1	Vertebrate - Bird	ABNNF11020	Calidris canutus (Red Knot)	Lower Mississippi River Bottomland Depression	Pref							
1	Vertebrate - Bird	ABNNF11020	Calidris canutus (Red Knot)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABNNF11020	Calidris canutus (Red Knot)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF11020	Calidris canutus (Red Knot)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF11020	Calidris canutus (Red Knot)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABNNF11020	Calidris canutus (Red Knot)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABNNF11020	Calidris canutus (Red Knot)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF11020	Calidris canutus (Red Knot)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF11020	Calidris canutus (Red Knot)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF11190	Calidris himantopus (Stilt Sandpiper)	Lower Mississippi River Bottomland and Floodplain Forest	Pref							
1	Vertebrate - Bird	ABNNF11190	Calidris himantopus (Stilt Sandpiper)	Lower Mississippi River Bottomland Depression	Suit							
1	Vertebrate - Bird	ABNNF11190	Calidris himantopus (Stilt Sandpiper)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABNNF11190	Calidris himantopus (Stilt Sandpiper)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF11190	Calidris himantopus (Stilt Sandpiper)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF11190	Calidris himantopus (Stilt Sandpiper)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABNNF11190	Calidris himantopus (Stilt Sandpiper)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABNNF11190	Calidris himantopus (Stilt Sandpiper)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF11190	Calidris himantopus (Stilt Sandpiper)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF11190	Calidris himantopus (Stilt Sandpiper)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF11050	Calidris mauri (Western Sandpiper)	Lower Mississippi River Bottomland and Floodplain Forest	Suit							
1	Vertebrate - Bird	ABNNF11050	Calidris mauri (Western Sandpiper)	Lower Mississippi River Bottomland Depression	Pref							
1	Vertebrate - Bird	ABNNF11050	Calidris mauri (Western Sandpiper)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABNNF11050	Calidris mauri (Western Sandpiper)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF11050	Calidris mauri (Western Sandpiper)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF11050	Calidris mauri (Western Sandpiper)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABNNF11050	Calidris mauri (Western Sandpiper)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF11050	Calidris mauri (Western Sandpiper)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF11050	Calidris mauri (Western Sandpiper)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNTA07010	Caprimulgus carolinensis (Chuck-will's-widow)	Southern Appalachian Low Mountain Pine Forest			Suit					
1	Vertebrate - Bird	ABNTA07010	Caprimulgus carolinensis (Chuck-will's-widow)	Southern Appalachian Montane Pine Forest and Woodland					Suit	Suit		
1	Vertebrate - Bird	ABNTA07010	Caprimulgus carolinensis (Chuck-will's-widow)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit			
1	Vertebrate - Bird	ABNTA07010	Caprimulgus carolinensis (Chuck-will's-widow)	Central and Southern Appalachian Northern Hardwood Forest						Suit		
1	Vertebrate - Bird	ABNTA07010	Caprimulgus carolinensis (Chuck-will's-widow)	South-Central Interior / Upper Coastal Plain Flatwoods			Suit					
1	Vertebrate - Bird	ABNTA07010	Caprimulgus carolinensis (Chuck-will's-widow)	East Gulf Coastal Plain Limestone Forest			Suit					
1	Vertebrate - Bird	ABNTA07010	Caprimulgus carolinensis (Chuck-will's-widow)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest			Marg					
1	Vertebrate - Bird	ABNTA07010	Caprimulgus carolinensis (Chuck-will's-widow)	East Gulf Coastal Plain Northern Loess Bluff Forest			Suit					
1	Vertebrate - Bird	ABNTA07010	Caprimulgus carolinensis (Chuck-will's-widow)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland			Suit					
1	Vertebrate - Bird	ABNTA07010	Caprimulgus carolinensis (Chuck-will's-widow)	East Gulf Coastal Plain Northern Mesic Hardwood Forest			Suit					
1	Vertebrate - Bird	ABNTA07010	Caprimulgus carolinensis (Chuck-will's-widow)	Southern Interior Low Plateau Dry Oak Forest				Suit				
1	Vertebrate - Bird	ABNTA07010	Caprimulgus carolinensis (Chuck-will's-widow)	South-Central Interior Mesophytic Forest			Suit	Suit				
1	Vertebrate - Bird	ABNTA07010	Caprimulgus carolinensis (Chuck-will's-widow)	Southern and Central Appalachian Cove Forest					Suit	Suit		
1	Vertebrate - Bird	ABNTA07010	Caprimulgus carolinensis (Chuck-will's-widow)	Southern and Central Appalachian Oak Forest					Suit	Suit		
1	Vertebrate - Bird	ABNTA07010	Caprimulgus carolinensis (Chuck-will's-widow)	Appalachian Hemlock-Hardwood Forest					Suit	Suit		
1	Vertebrate - Bird	ABNTA07010	Caprimulgus carolinensis (Chuck-will's-widow)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest			Suit					
1	Vertebrate - Bird	ABNTA07010	Caprimulgus carolinensis (Chuck-will's-widow)	Central Interior Highlands Calcareous Glade and Barrens			Suit	Suit				



Terrestrial Habitat Preferences							REGIONAL HABITAT PREFERENCE					
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	MAP	UGCP	ILP	CPM	RV	SBR		
1	Vertebrate - Bird	ABNKC11010	Circus cyaneus (Northern Harrier)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNKC11010	Circus cyaneus (Northern Harrier)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNKC11010	Circus cyaneus (Northern Harrier)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABNKC11010	Circus cyaneus (Northern Harrier)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPBG10010	Cistothorus platensis (Sedge Wren or Short-billed Marsh Wren)	Central Interior Highlands Calcareous Glade and Barrens			Suit					
1	Vertebrate - Bird	ABPBG10010	Cistothorus platensis (Sedge Wren or Short-billed Marsh Wren)	Central Interior Highlands Dry Acidic Glade and Barrens			Suit					
1	Vertebrate - Bird	ABPBG10010	Cistothorus platensis (Sedge Wren or Short-billed Marsh Wren)	Nashville Basin Limestone Glade			Suit					
1	Vertebrate - Bird	ABPBG10010	Cistothorus platensis (Sedge Wren or Short-billed Marsh Wren)	Eastern Highland Rim Prairie and Barrens			Pref					
1	Vertebrate - Bird	ABPBG10010	Cistothorus platensis (Sedge Wren or Short-billed Marsh Wren)	Pennyroyal Karst Plain Prairie and Barrens			Pref					
1	Vertebrate - Bird	ABPBG10010	Cistothorus platensis (Sedge Wren or Short-billed Marsh Wren)	Western Highland Rim Prairie and Barrens			Pref					
1	Vertebrate - Bird	ABPBG10010	Cistothorus platensis (Sedge Wren or Short-billed Marsh Wren)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Pref					
1	Vertebrate - Bird	ABPBG10010	Cistothorus platensis (Sedge Wren or Short-billed Marsh Wren)	Western Highland Rim Seepage Fen			Suit					
1	Vertebrate - Bird	ABPBG10010	Cistothorus platensis (Sedge Wren or Short-billed Marsh Wren)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBG10010	Cistothorus platensis (Sedge Wren or Short-billed Marsh Wren)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBG10010	Cistothorus platensis (Sedge Wren or Short-billed Marsh Wren)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABNRB02020	Coccyzus americanus (Yellow-billed Cuckoo)	Southern Appalachian Low Mountain Pine Forest			Marg	Marg	Marg			
1	Vertebrate - Bird	ABNRB02020	Coccyzus americanus (Yellow-billed Cuckoo)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg			
1	Vertebrate - Bird	ABNRB02020	Coccyzus americanus (Yellow-billed Cuckoo)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit			
1	Vertebrate - Bird	ABNRB02020	Coccyzus americanus (Yellow-billed Cuckoo)	South-Central Interior / Upper Coastal Plain Flatwoods			Suit					
1	Vertebrate - Bird	ABNRB02020	Coccyzus americanus (Yellow-billed Cuckoo)	East Gulf Coastal Plain Limestone Forest			Suit					
1	Vertebrate - Bird	ABNRB02020	Coccyzus americanus (Yellow-billed Cuckoo)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest			Marg					
1	Vertebrate - Bird	ABNRB02020	Coccyzus americanus (Yellow-billed Cuckoo)	East Gulf Coastal Plain Northern Loess Bluff Forest			Marg					
1	Vertebrate - Bird	ABNRB02020	Coccyzus americanus (Yellow-billed Cuckoo)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland			Marg					
1	Vertebrate - Bird	ABNRB02020	Coccyzus americanus (Yellow-billed Cuckoo)	East Gulf Coastal Plain Northern Mesic Hardwood Forest			Pref					
1	Vertebrate - Bird	ABNRB02020	Coccyzus americanus (Yellow-billed Cuckoo)	Southern Interior Low Plateau Dry Oak Forest				Suit				
1	Vertebrate - Bird	ABNRB02020	Coccyzus americanus (Yellow-billed Cuckoo)	South-Central Interior Mesophytic Forest			Suit	Pref	Pref	Pref		
1	Vertebrate - Bird	ABNRB02020	Coccyzus americanus (Yellow-billed Cuckoo)	Southern and Central Appalachian Cove Forest				Pref	Pref			
1	Vertebrate - Bird	ABNRB02020	Coccyzus americanus (Yellow-billed Cuckoo)	Southern and Central Appalachian Oak Forest					Suit			
1	Vertebrate - Bird	ABNRB02020	Coccyzus americanus (Yellow-billed Cuckoo)	Appalachian Hemlock-Hardwood Forest				Suit	Suit			
1	Vertebrate - Bird	ABNRB02020	Coccyzus americanus (Yellow-billed Cuckoo)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest			Marg					
1	Vertebrate - Bird	ABNRB02020	Coccyzus americanus (Yellow-billed Cuckoo)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPAE32010	Contopus cooperi (Olive-sided Flycatcher)	Central and Southern Appalachian Spruce-Fir Forest						Pref		
1	Vertebrate - Bird	ABPAE32010	Contopus cooperi (Olive-sided Flycatcher)	Southern Appalachian Low Mountain Pine Forest						Marg		
1	Vertebrate - Bird	ABPAE32010	Contopus cooperi (Olive-sided Flycatcher)	Southern Appalachian Montane Pine Forest and Woodland						Marg		
1	Vertebrate - Bird	ABPAE32010	Contopus cooperi (Olive-sided Flycatcher)	Central and Southern Appalachian Northern Hardwood Forest						Suit		
1	Vertebrate - Bird	ABPAE32010	Contopus cooperi (Olive-sided Flycatcher)	Southern and Central Appalachian Cove Forest						Suit		
1	Vertebrate - Bird	ABPAE32010	Contopus cooperi (Olive-sided Flycatcher)	Southern and Central Appalachian Oak Forest						Marg		
1	Vertebrate - Bird	ABPAE32010	Contopus cooperi (Olive-sided Flycatcher)	Appalachian Hemlock-Hardwood Forest						Suit		
1	Vertebrate - Bird	ABPAE32010	Contopus cooperi (Olive-sided Flycatcher)	Southern Appalachian Grass and Shrub Bald						Marg		
1	Vertebrate - Bird	ABPAE32010	Contopus cooperi (Olive-sided Flycatcher)	Southern and Central Appalachian Bog and Fen						Suit		
1	Vertebrate - Bird	ABPAE32010	Contopus cooperi (Olive-sided Flycatcher)	Southern Appalachian Seepage Wetland						Suit		
1	Vertebrate - Bird	ABPAE32060	Contopus virens (Eastern Wood-pewee)	Southern Appalachian Low Mountain Pine Forest			Marg	Marg				
1	Vertebrate - Bird	ABPAE32060	Contopus virens (Eastern Wood-pewee)	Southern Appalachian Montane Pine Forest and Woodland				Marg				
1	Vertebrate - Bird	ABPAE32060	Contopus virens (Eastern Wood-pewee)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit				
1	Vertebrate - Bird	ABPAE32060	Contopus virens (Eastern Wood-pewee)	Southern Interior Low Plateau Dry Oak Forest			Suit					
1	Vertebrate - Bird	ABPAE32060	Contopus virens (Eastern Wood-pewee)	South-Central Interior Mesophytic Forest				Pref	Suit			
1	Vertebrate - Bird	ABPAE32060	Contopus virens (Eastern Wood-pewee)	Southern and Central Appalachian Cove Forest					Suit			
1	Vertebrate - Bird	ABPAE32060	Contopus virens (Eastern Wood-pewee)	Appalachian Hemlock-Hardwood Forest					Suit			
1	Vertebrate - Bird	ABPAE32060	Contopus virens (Eastern Wood-pewee)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPAE32060	Contopus virens (Eastern Wood-pewee)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse				Suit				
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	North-Central Appalachian Acidic Cliff and Talus						Suit		
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Southern Appalachian Montane Cliff and Talus				Suit		Suit		
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Cumberland Acid Cliff				Suit				
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Southern Interior Calcareous Cliff						Suit		
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Southern Interior Sinkhole Wall						Suit		
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Central and Southern Appalachian Spruce-Fir Forest						Suit		
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Southern Appalachian Low Mountain Pine Forest				Suit		Suit		
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Southern Appalachian Montane Pine Forest and Woodland				Suit		Suit		
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit				
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Central and Southern Appalachian Northern Hardwood Forest						Suit		
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	South-Central Interior Mesophytic Forest				Suit				
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Southern and Central Appalachian Cove Forest				Suit		Suit		
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Southern and Central Appalachian Oak Forest						Suit		
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Appalachian Hemlock-Hardwood Forest				Suit		Suit		
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Southern Appalachian Grass and Shrub Bald						Suit		
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Southern Appalachian Rocky Summit						Suit		
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPAV10110	Corvus corax (Common Raven)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPBX03050	Dendroica caerulescens (Black-throated Blue Warbler)	Central and Southern Appalachian Spruce-Fir Forest						Suit		
1	Vertebrate - Bird	ABPBX03050	Dendroica caerulescens (Black-throated Blue Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit				
1	Vertebrate - Bird	ABPBX03050	Dendroica caerulescens (Black-throated Blue Warbler)	Central and Southern Appalachian Northern Hardwood Forest						Suit		
1	Vertebrate - Bird	ABPBX03050	Dendroica caerulescens (Black-throated Blue Warbler)	South-Central Interior Mesophytic Forest				Suit				
1	Vertebrate - Bird	ABPBX03050	Dendroica caerulescens (Black-throated Blue Warbler)	Southern and Central Appalachian Cove Forest				Suit		Suit		
1	Vertebrate - Bird	ABPBX03050	Dendroica caerulescens (Black-throated Blue Warbler)	Southern and Central Appalachian Oak Forest						Suit		
1	Vertebrate - Bird	ABPBX03050	Dendroica caerulescens (Black-throated Blue Warbler)	Appalachian Hemlock-Hardwood Forest				Pref		Pref		
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit			
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	Central and Southern Appalachian Northern Hardwood Forest						Suit		
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	South-Central Interior / Upper Coastal Plain Flatwoods			Suit					
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	East Gulf Coastal Plain Limestone Forest			Suit					
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest			Marg					
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	East Gulf Coastal Plain Northern Loess Bluff Forest			Suit					
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland			Marg					



Terrestrial Habitat Preferences											
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	REGIONAL HABITAT PREFERENCE						
					MAP	UGCP	ILP	CPM	RV	SBR	
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	East Gulf Coastal Plain Northern Mesic Hardwood Forest		Suit					
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	Southern Interior Low Plateau Dry Oak Forest			Marg				
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	South-Central Interior Mesophytic Forest		Suit	Pref	Pref	Pref		
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit	
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	Southern and Central Appalachian Oak Forest					Suit	Suit	
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	Appalachian Hemlock-Hardwood Forest				Suit	Suit	Suit	
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg					
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Marg				
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit					
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	East Gulf Coastal Plain Large River Floodplain Forest		Pref					
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	East Gulf Coastal Plain Northern Seepage Swamp		Suit					
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit					
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	Lower Mississippi River Bottomland and Floodplain Forest		Pref					
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	Lower Mississippi River Bottomland Depression		Suit					
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	South-Central Interior Large Floodplain			Suit				
1	Vertebrate - Bird	ABPBX03240	Dendroica cerulea (Cerulean Warbler)	South-Central Interior Small Stream and Riparian		Suit	Suit	Marg	Marg		
1	Vertebrate - Bird	ABPBX03190	Dendroica discolor (Prairie Warbler)	Appalachian Shale Barrens					Marg	Marg	
1	Vertebrate - Bird	ABPBX03190	Dendroica discolor (Prairie Warbler)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBX03190	Dendroica discolor (Prairie Warbler)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit				
1	Vertebrate - Bird	ABPBX03190	Dendroica discolor (Prairie Warbler)	Cumberland Sandstone Glade and Barrens					Pref		
1	Vertebrate - Bird	ABPBX03190	Dendroica discolor (Prairie Warbler)	Nashville Basin Limestone Glade			Suit				
1	Vertebrate - Bird	ABPBX03190	Dendroica discolor (Prairie Warbler)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland						Marg	
1	Vertebrate - Bird	ABPBX03190	Dendroica discolor (Prairie Warbler)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref					
1	Vertebrate - Bird	ABPBX03190	Dendroica discolor (Prairie Warbler)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref					
1	Vertebrate - Bird	ABPBX03190	Dendroica discolor (Prairie Warbler)	Eastern Highland Rim Prairie and Barrens				Pref			
1	Vertebrate - Bird	ABPBX03190	Dendroica discolor (Prairie Warbler)	Pennyroyal Karst Plain Prairie and Barrens				Pref			
1	Vertebrate - Bird	ABPBX03190	Dendroica discolor (Prairie Warbler)	Southern Ridge and Valley Patch Prairie						Pref	
1	Vertebrate - Bird	ABPBX03190	Dendroica discolor (Prairie Warbler)	Western Highland Rim Prairie and Barrens				Pref			
1	Vertebrate - Bird	ABPBX03190	Dendroica discolor (Prairie Warbler)	Old Field / Successional		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX03190	Dendroica discolor (Prairie Warbler)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)		Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX03130	Dendroica dominica (Yellow-throated Warbler)	Southern Appalachian Low Mountain Pine Forest					Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX03130	Dendroica dominica (Yellow-throated Warbler)	Southern Appalachian Montane Pine Forest and Woodland					Marg	Suit	Suit
1	Vertebrate - Bird	ABPBX03130	Dendroica dominica (Yellow-throated Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	Suit	
1	Vertebrate - Bird	ABPBX03130	Dendroica dominica (Yellow-throated Warbler)	Central and Southern Appalachian Northern Hardwood Forest							Suit
1	Vertebrate - Bird	ABPBX03130	Dendroica dominica (Yellow-throated Warbler)	South-Central Interior Mesophytic Forest					Suit	Suit	
1	Vertebrate - Bird	ABPBX03130	Dendroica dominica (Yellow-throated Warbler)	Southern and Central Appalachian Cove Forest					Suit	Suit	
1	Vertebrate - Bird	ABPBX03130	Dendroica dominica (Yellow-throated Warbler)	Southern and Central Appalachian Oak Forest					Suit	Suit	
1	Vertebrate - Bird	ABPBX03130	Dendroica dominica (Yellow-throated Warbler)	Appalachian Hemlock-Hardwood Forest					Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX03130	Dendroica dominica (Yellow-throated Warbler)	Forest Plantation		Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX03130	Dendroica dominica (Yellow-throated Warbler)	Urban / Suburban Managed Forestland		Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX03100	Dendroica virens (Black-throated Green Warbler)	Central and Southern Appalachian Spruce-Fir Forest							Marg
1	Vertebrate - Bird	ABPBX03100	Dendroica virens (Black-throated Green Warbler)	Southern Appalachian Low Mountain Pine Forest					Marg	Suit	Marg
1	Vertebrate - Bird	ABPBX03100	Dendroica virens (Black-throated Green Warbler)	Southern Appalachian Montane Pine Forest and Woodland					Marg		Marg
1	Vertebrate - Bird	ABPBX03100	Dendroica virens (Black-throated Green Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit		
1	Vertebrate - Bird	ABPBX03100	Dendroica virens (Black-throated Green Warbler)	Central and Southern Appalachian Northern Hardwood Forest							Suit
1	Vertebrate - Bird	ABPBX03100	Dendroica virens (Black-throated Green Warbler)	South-Central Interior Mesophytic Forest					Suit		
1	Vertebrate - Bird	ABPBX03100	Dendroica virens (Black-throated Green Warbler)	Southern and Central Appalachian Cove Forest					Suit		Suit
1	Vertebrate - Bird	ABPBX03100	Dendroica virens (Black-throated Green Warbler)	Southern and Central Appalachian Oak Forest							Suit
1	Vertebrate - Bird	ABPBX03100	Dendroica virens (Black-throated Green Warbler)	Appalachian Hemlock-Hardwood Forest					Pref		Suit
1	Vertebrate - Bird	ABNGA06040	Egretta caerulea (Little Blue Heron)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Pref			
1	Vertebrate - Bird	ABNGA06040	Egretta caerulea (Little Blue Heron)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit					
1	Vertebrate - Bird	ABNGA06040	Egretta caerulea (Little Blue Heron)	Western Highland Rim Seepage Fen				Suit			
1	Vertebrate - Bird	ABNGA06040	Egretta caerulea (Little Blue Heron)	East Gulf Coastal Plain Large River Floodplain Forest		Suit					
1	Vertebrate - Bird	ABNGA06040	Egretta caerulea (Little Blue Heron)	East Gulf Coastal Plain Northern Seepage Swamp		Pref					
1	Vertebrate - Bird	ABNGA06040	Egretta caerulea (Little Blue Heron)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit					
1	Vertebrate - Bird	ABNGA06040	Egretta caerulea (Little Blue Heron)	Lower Mississippi River Bottomland and Floodplain Forest		Suit					
1	Vertebrate - Bird	ABNGA06040	Egretta caerulea (Little Blue Heron)	Lower Mississippi River Bottomland Depression		Pref					
1	Vertebrate - Bird	ABNGA06040	Egretta caerulea (Little Blue Heron)	South-Central Interior Large Floodplain				Suit			
1	Vertebrate - Bird	ABNGA06040	Egretta caerulea (Little Blue Heron)	South-Central Interior Small Stream and Riparian			Suit	Pref			
1	Vertebrate - Bird	ABNGA06040	Egretta caerulea (Little Blue Heron)	Converted Wetland (Palustrine)		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNGA06040	Egretta caerulea (Little Blue Heron)	Converted Wetland (Riverine)		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNGA06040	Egretta caerulea (Little Blue Heron)	Converted Wetland (Lacustrine)		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNKC04010	Elanoides forficatus (Swallow-tailed Kite)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit					
1	Vertebrate - Bird	ABNKC04010	Elanoides forficatus (Swallow-tailed Kite)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit					
1	Vertebrate - Bird	ABNKC04010	Elanoides forficatus (Swallow-tailed Kite)	East Gulf Coastal Plain Large River Floodplain Forest		Pref					
1	Vertebrate - Bird	ABNKC04010	Elanoides forficatus (Swallow-tailed Kite)	East Gulf Coastal Plain Northern Seepage Swamp		Suit					
1	Vertebrate - Bird	ABNKC04010	Elanoides forficatus (Swallow-tailed Kite)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit					
1	Vertebrate - Bird	ABNKC04010	Elanoides forficatus (Swallow-tailed Kite)	Lower Mississippi River Bottomland and Floodplain Forest		Pref					
1	Vertebrate - Bird	ABNKC04010	Elanoides forficatus (Swallow-tailed Kite)	Lower Mississippi River Bottomland Depression		Suit					
1	Vertebrate - Bird	ABNKC04010	Elanoides forficatus (Swallow-tailed Kite)	South-Central Interior Small Stream and Riparian			Suit				
1	Vertebrate - Bird	ABNKC04010	Elanoides forficatus (Swallow-tailed Kite)	Converted Wetland (Palustrine)		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNKC04010	Elanoides forficatus (Swallow-tailed Kite)	Converted Wetland (Riverine)		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNKC04010	Elanoides forficatus (Swallow-tailed Kite)	Converted Wetland (Lacustrine)		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPAE33030	Empidonax aliorum (Alder Flycatcher)	Central and Southern Appalachian Spruce-Fir Forest							Pref
1	Vertebrate - Bird	ABPAE33030	Empidonax aliorum (Alder Flycatcher)	Southern Appalachian Low Mountain Pine Forest							Marg
1	Vertebrate - Bird	ABPAE33030	Empidonax aliorum (Alder Flycatcher)	Southern Appalachian Montane Pine Forest and Woodland							Marg
1	Vertebrate - Bird	ABPAE33030	Empidonax aliorum (Alder Flycatcher)	Central and Southern Appalachian Northern Hardwood Forest							Suit
1	Vertebrate - Bird	ABPAE33030	Empidonax aliorum (Alder Flycatcher)	Southern and Central Appalachian Cove Forest							Suit
1	Vertebrate - Bird	ABPAE33030	Empidonax aliorum (Alder Flycatcher)	Southern and Central Appalachian Oak Forest							Marg
1	Vertebrate - Bird	ABPAE33030	Empidonax aliorum (Alder Flycatcher)	Appalachian Hemlock-Hardwood Forest							Suit
1	Vertebrate - Bird	ABPAE33030	Empidonax aliorum (Alder Flycatcher)	Southern Appalachian Grass and Shrub Bald							Suit
1	Vertebrate - Bird	ABPAE33030	Empidonax aliorum (Alder Flycatcher)	Southern and Central Appalachian Bog and Fen							Suit
1	Vertebrate - Bird	ABPAE33030	Empidonax aliorum (Alder Flycatcher)	Southern Appalachian Seepage Wetland							Suit
1	Vertebrate - Bird	ABPAE33030	Empidonax aliorum (Alder Flycatcher)	South-Central Interior Small Stream and Riparian							Suit
1	Vertebrate - Bird	ABPAE33070	Empidonax minimus (Least Flycatcher)	Central and Southern Appalachian Northern Hardwood Forest							Suit



Terrestrial Habitat Preferences							REGIONAL HABITAT PREFERENCE					
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	MAP	UGCP	ILP	CPM	RV	SBR		
1	Vertebrate - Bird	ABPBX89070	Icterus spurius (Orchard Oriole)	Western Highland Rim Prairie and Barrens			Pref					
1	Vertebrate - Bird	ABPBX89070	Icterus spurius (Orchard Oriole)	East Gulf Coastal Plain Large River Floodplain Forest		Suit						
1	Vertebrate - Bird	ABPBX89070	Icterus spurius (Orchard Oriole)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit						
1	Vertebrate - Bird	ABPBX89070	Icterus spurius (Orchard Oriole)	Lower Mississippi River Bottomland and Floodplain Forest		Suit						
1	Vertebrate - Bird	ABPBX89070	Icterus spurius (Orchard Oriole)	Lower Mississippi River Bottomland Depression		Marg						
1	Vertebrate - Bird	ABPBX89070	Icterus spurius (Orchard Oriole)	South-Central Interior Large Floodplain			Suit		Marg			
1	Vertebrate - Bird	ABPBX89070	Icterus spurius (Orchard Oriole)	South-Central Interior Small Stream and Riparian			Marg	Marg				
1	Vertebrate - Bird	ABPBX89070	Icterus spurius (Orchard Oriole)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBX89070	Icterus spurius (Orchard Oriole)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBX89070	Icterus spurius (Orchard Oriole)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPBX89070	Icterus spurius (Orchard Oriole)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBX89070	Icterus spurius (Orchard Oriole)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABNKC09010	Ictinia mississippiensis (Mississippi Kite)	Lower Mississippi River Bottomland and Floodplain Forest		Pref						
1	Vertebrate - Bird	ABNKC09010	Ictinia mississippiensis (Mississippi Kite)	Lower Mississippi River Bottomland Depression		Marg						
1	Vertebrate - Bird	ABNKC09010	Ictinia mississippiensis (Mississippi Kite)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABNKC09010	Ictinia mississippiensis (Mississippi Kite)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNKC09010	Ictinia mississippiensis (Mississippi Kite)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNKC09010	Ictinia mississippiensis (Mississippi Kite)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNKC09010	Ictinia mississippiensis (Mississippi Kite)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNKC09010	Ictinia mississippiensis (Mississippi Kite)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNKC09010	Ictinia mississippiensis (Mississippi Kite)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNGA02010	Ixobrychus exilis (Least Bittern)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit		Suit			
1	Vertebrate - Bird	ABNGA02010	Ixobrychus exilis (Least Bittern)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit						
1	Vertebrate - Bird	ABNGA02010	Ixobrychus exilis (Least Bittern)	East Gulf Coastal Plain Large River Floodplain Forest		Marg						
1	Vertebrate - Bird	ABNGA02010	Ixobrychus exilis (Least Bittern)	Lower Mississippi River Bottomland and Floodplain Forest		Marg						
1	Vertebrate - Bird	ABNGA02010	Ixobrychus exilis (Least Bittern)	Lower Mississippi River Bottomland Depression		Pref						
1	Vertebrate - Bird	ABNGA02010	Ixobrychus exilis (Least Bittern)	South-Central Interior Large Floodplain			Marg		Marg			
1	Vertebrate - Bird	ABNGA02010	Ixobrychus exilis (Least Bittern)	South-Central Interior Small Stream and Riparian			Suit		Suit			
1	Vertebrate - Bird	ABNGA02010	Ixobrychus exilis (Least Bittern)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNGA02010	Ixobrychus exilis (Least Bittern)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNGA02010	Ixobrychus exilis (Least Bittern)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBR01030	Lanius ludovicianus (Loggerhead Shrike)	Appalachian Shale Barrens				Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBR01030	Lanius ludovicianus (Loggerhead Shrike)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit	Marg	Suit			
1	Vertebrate - Bird	ABPBR01030	Lanius ludovicianus (Loggerhead Shrike)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit					
1	Vertebrate - Bird	ABPBR01030	Lanius ludovicianus (Loggerhead Shrike)	Nashville Basin Limestone Glade			Suit					
1	Vertebrate - Bird	ABPBR01030	Lanius ludovicianus (Loggerhead Shrike)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit			
1	Vertebrate - Bird	ABPBR01030	Lanius ludovicianus (Loggerhead Shrike)	Southern and Central Appalachian Mafic Glade and Barrens						Suit		
1	Vertebrate - Bird	ABPBR01030	Lanius ludovicianus (Loggerhead Shrike)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit						
1	Vertebrate - Bird	ABPBR01030	Lanius ludovicianus (Loggerhead Shrike)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit						
1	Vertebrate - Bird	ABPBR01030	Lanius ludovicianus (Loggerhead Shrike)	Eastern Highland Rim Prairie and Barrens			Pref					
1	Vertebrate - Bird	ABPBR01030	Lanius ludovicianus (Loggerhead Shrike)	Pennyroyal Karst Plain Prairie and Barrens			Pref					
1	Vertebrate - Bird	ABPBR01030	Lanius ludovicianus (Loggerhead Shrike)	Southern Ridge and Valley Patch Prairie					Pref			
1	Vertebrate - Bird	ABPBR01030	Lanius ludovicianus (Loggerhead Shrike)	Western Highland Rim Prairie and Barrens			Pref					
1	Vertebrate - Bird	ABPBR01030	Lanius ludovicianus (Loggerhead Shrike)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBR01030	Lanius ludovicianus (Loggerhead Shrike)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBR01030	Lanius ludovicianus (Loggerhead Shrike)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBR01030	Lanius ludovicianus (Loggerhead Shrike)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBR01030	Lanius ludovicianus (Loggerhead Shrike)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg			
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	Central and Southern Appalachian Northern Hardwood Forest						Suit		
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit						
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	East Gulf Coastal Plain Limestone Forest		Suit						
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg						
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit						
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg						
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	East Gulf Coastal Plain Northern Mesic Hardwood Forest		Suit						
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	Southern Interior Low Plateau Dry Oak Forest			Marg					
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit			
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	Southern and Central Appalachian Oak Forest					Marg	Marg		
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	Appalachian Hemlock-Hardwood Forest				Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond		Suit	Marg	Marg				
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	Cumberland Seepage Forest				Marg				
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit						
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	Southern and Central Appalachian Bog and Fen					Marg	Marg		
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	Southern Appalachian Seepage Wetland						Marg		
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	Western Highland Rim Seepage Fen			Marg					
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	Cumberland Riverscour				Marg				
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	East Gulf Coastal Plain Large River Floodplain Forest		Pref						
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	East Gulf Coastal Plain Northern Seepage Swamp		Suit						
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit						
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	Lower Mississippi River Bottomland and Floodplain Forest		Pref						
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	Lower Mississippi River Bottomland Depression		Pref						
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	South-Central Interior Large Floodplain			Suit	Suit	Marg	Marg		
1	Vertebrate - Bird	ABPBX09010	Limothlypis swainsonii (Swainson's Warbler)	South-Central Interior Small Stream and Riparian			Suit	Pref	Pref	Pref		
1	Vertebrate - Bird	ABNNF08040	Limosa fedoa (Marbled Godwit)	Lower Mississippi River Bottomland and Floodplain Forest		Suit						
1	Vertebrate - Bird	ABNNF08040	Limosa fedoa (Marbled Godwit)	Lower Mississippi River Bottomland Depression		Pref						
1	Vertebrate - Bird	ABNNF08040	Limosa fedoa (Marbled Godwit)	Converted Wetland (Palustrine)		Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF08040	Limosa fedoa (Marbled Godwit)	Converted Wetland (Riverine)		Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF08040	Limosa fedoa (Marbled Godwit)	Converted Wetland (Lacustrine)		Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABNNF08020	Limosa haemastica (Hudsonian Godwit)	Lower Mississippi River Bottomland and Floodplain Forest		Suit						
1	Vertebrate - Bird	ABNNF08020	Limosa haemastica (Hudsonian Godwit)	Lower Mississippi River Bottomland Depression		Pref						
1	Vertebrate - Bird	ABNNF08020	Limosa haemastica (Hudsonian Godwit)	Old Field / Successional		Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABNNF08020	Limosa haemastica (Hudsonian Godwit)	Pasture		Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABNNF08020	Limosa haemastica (Hudsonian Godwit)	Cropland		Marg	Marg	Marg	Marg	Marg		

Terrestrial Habitat Preferences										
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	REGIONAL HABITAT PREFERENCE					
					MAP	UGCP	ILP	CPM	RV	SBR
1	Vertebrate - Bird	ABNNF08020	Limosa haemastica (Hudsonian Godwit)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABNNF08020	Limosa haemastica (Hudsonian Godwit)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNNF08020	Limosa haemastica (Hudsonian Godwit)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNNF08020	Limosa haemastica (Hudsonian Godwit)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Southern Appalachian Low Mountain Pine Forest			Marg	Suit	Suit	Suit
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Limestone Forest		Suit				
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Northern Mesic Hardwood Forest		Suit				
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Southern Interior Low Plateau Dry Oak Forest			Marg			
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit	
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Southern and Central Appalachian Oak Forest					Suit	Suit
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Appalachian Hemlock-Hardwood Forest				Marg	Marg	Marg
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Eastern Highland Rim Prairie and Barrens			Suit			
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Southern Ridge and Valley Patch Prairie					Suit	
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Western Highland Rim Prairie and Barrens			Suit			
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Marg	Marg	
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Southern and Central Appalachian Bog and Fen					Suit	Suit
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Southern Appalachian Seepage Wetland						Suit
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Western Highland Rim Seepage Fen			Marg			
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Lower Mississippi River Bottomland and Floodplain Forest		Suit				
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Lower Mississippi River Bottomland Depression		Suit				
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	South-Central Interior Large Floodplain				Pref	Suit	Suit
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABNYF04040	Melanerpes erythrocephalus (Red-headed Woodpecker)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNNF07020	Numenius phaeopus (Whimbrel)	Lower Mississippi River Bottomland and Floodplain Forest		Suit				
1	Vertebrate - Bird	ABNNF07020	Numenius phaeopus (Whimbrel)	Lower Mississippi River Bottomland Depression		Pref				
1	Vertebrate - Bird	ABNNF07020	Numenius phaeopus (Whimbrel)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNNF07020	Numenius phaeopus (Whimbrel)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNNF07020	Numenius phaeopus (Whimbrel)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Central and Southern Appalachian Spruce-Fir Forest						Suit
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Southern Appalachian Low Mountain Pine Forest			Marg	Marg	Marg	Suit
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	East Gulf Coastal Plain Limestone Forest		Suit				
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	East Gulf Coastal Plain Northern Mesic Hardwood Forest		Pref				
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Southern Interior Low Plateau Dry Oak Forest			Marg			
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	South-Central Interior Mesophytic Forest		Suit	Pref	Suit	Suit	
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Southern and Central Appalachian Oak Forest					Marg	Suit
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Appalachian Hemlock-Hardwood Forest				Pref	Pref	Pref
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Cumberland Seepage Forest				Suit		
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Southern and Central Appalachian Bog and Fen					Suit	Suit
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Southern Appalachian Seepage Wetland						Suit
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Western Highland Rim Seepage Fen			Suit			
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Lower Mississippi River Bottomland and Floodplain Forest		Suit				
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Lower Mississippi River Bottomland Depression		Suit				
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	South-Central Interior Large Floodplain				Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX11010	Oporornis formosus (Kentucky Warbler)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX02010	Parula americana (Northern Parula)	Lower Mississippi River Bottomland and Floodplain Forest		Pref				
1	Vertebrate - Bird	ABPBX02010	Parula americana (Northern Parula)	Lower Mississippi River Bottomland Depression		Pref				
1	Vertebrate - Bird	ABPBX02010	Parula americana (Northern Parula)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg

Terrestrial Habitat Preferences										
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	REGIONAL HABITAT PREFERENCE					
					MAP	UGCP	ILP	CPM	RV	SBR
1	Vertebrate - Bird	ABPBX02010	Parula americana (Northern Parula)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX02010	Parula americana (Northern Parula)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX99010	Passerculus sandwichensis (Savannah Sparrow)	Appalachian Shale Barrens				Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX99010	Passerculus sandwichensis (Savannah Sparrow)	Central Interior Highlands Calcareous Glade and Barrens	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBX99010	Passerculus sandwichensis (Savannah Sparrow)	Central Interior Highlands Dry Acidic Glade and Barrens	Suit	Suit				
1	Vertebrate - Bird	ABPBX99010	Passerculus sandwichensis (Savannah Sparrow)	Cumberland Sandstone Glade and Barrens				Suit		
1	Vertebrate - Bird	ABPBX99010	Passerculus sandwichensis (Savannah Sparrow)	Nashville Basin Limestone Glade			Suit			
1	Vertebrate - Bird	ABPBX99010	Passerculus sandwichensis (Savannah Sparrow)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
1	Vertebrate - Bird	ABPBX99010	Passerculus sandwichensis (Savannah Sparrow)	Southern and Central Appalachian Mafic Glade and Barrens						Suit
1	Vertebrate - Bird	ABPBX99010	Passerculus sandwichensis (Savannah Sparrow)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
1	Vertebrate - Bird	ABPBX99010	Passerculus sandwichensis (Savannah Sparrow)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
1	Vertebrate - Bird	ABPBX99010	Passerculus sandwichensis (Savannah Sparrow)	Eastern Highland Rim Prairie and Barrens			Suit			
1	Vertebrate - Bird	ABPBX99010	Passerculus sandwichensis (Savannah Sparrow)	Pennyroyal Karst Plain Prairie and Barrens			Suit			
1	Vertebrate - Bird	ABPBX99010	Passerculus sandwichensis (Savannah Sparrow)	Southern Ridge and Valley Patch Prairie					Suit	
1	Vertebrate - Bird	ABPBX99010	Passerculus sandwichensis (Savannah Sparrow)	Western Highland Rim Prairie and Barrens			Suit			
1	Vertebrate - Bird	ABPBX99010	Passerculus sandwichensis (Savannah Sparrow)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX99010	Passerculus sandwichensis (Savannah Sparrow)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX99010	Passerculus sandwichensis (Savannah Sparrow)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX99010	Passerculus sandwichensis (Savannah Sparrow)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX99010	Passerculus sandwichensis (Savannah Sparrow)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX64060	Passerina ciris (Painted Bunting)	Lower Mississippi River Bottomland and Floodplain Forest	Suit					
1	Vertebrate - Bird	ABPBX64060	Passerina ciris (Painted Bunting)	Lower Mississippi River Bottomland Depression	Suit					
1	Vertebrate - Bird	ABPBX64060	Passerina ciris (Painted Bunting)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX64060	Passerina ciris (Painted Bunting)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX64060	Passerina ciris (Painted Bunting)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX64060	Passerina ciris (Painted Bunting)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX64060	Passerina ciris (Painted Bunting)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX64060	Passerina ciris (Painted Bunting)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX64060	Passerina ciris (Painted Bunting)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX64060	Passerina ciris (Painted Bunting)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABNNB02030	Pluvialis dominica (American Golden Plover)	Lower Mississippi River Bottomland and Floodplain Forest	Suit					
1	Vertebrate - Bird	ABNNB02030	Pluvialis dominica (American Golden Plover)	Lower Mississippi River Bottomland Depression	Suit					
1	Vertebrate - Bird	ABNNB02030	Pluvialis dominica (American Golden Plover)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNNB02030	Pluvialis dominica (American Golden Plover)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNNB02030	Pluvialis dominica (American Golden Plover)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPAW01010	Poecile atricapillus (Black-capped Chickadee)	Central and Southern Appalachian Spruce-Fir Forest						Pref
1	Vertebrate - Bird	ABPAW01010	Poecile atricapillus (Black-capped Chickadee)	Southern Appalachian Low Mountain Pine Forest						Suit
1	Vertebrate - Bird	ABPAW01010	Poecile atricapillus (Black-capped Chickadee)	Southern Appalachian Montane Pine Forest and Woodland						Pref
1	Vertebrate - Bird	ABPAW01010	Poecile atricapillus (Black-capped Chickadee)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Vertebrate - Bird	ABPAW01010	Poecile atricapillus (Black-capped Chickadee)	Southern and Central Appalachian Cove Forest						Suit
1	Vertebrate - Bird	ABPAW01010	Poecile atricapillus (Black-capped Chickadee)	Southern and Central Appalachian Oak Forest						Suit
1	Vertebrate - Bird	ABPAW01010	Poecile atricapillus (Black-capped Chickadee)	Appalachian Hemlock-Hardwood Forest						Suit
1	Vertebrate - Bird	ABPBX95010	Poocetes gramineus (Vesper Sparrow)	Appalachian Shale Barrens				Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX95010	Poocetes gramineus (Vesper Sparrow)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit	Suit	Suit	
1	Vertebrate - Bird	ABPBX95010	Poocetes gramineus (Vesper Sparrow)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit			
1	Vertebrate - Bird	ABPBX95010	Poocetes gramineus (Vesper Sparrow)	Cumberland Sandstone Glade and Barrens				Suit		
1	Vertebrate - Bird	ABPBX95010	Poocetes gramineus (Vesper Sparrow)	Nashville Basin Limestone Glade				Suit		
1	Vertebrate - Bird	ABPBX95010	Poocetes gramineus (Vesper Sparrow)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
1	Vertebrate - Bird	ABPBX95010	Poocetes gramineus (Vesper Sparrow)	Southern and Central Appalachian Mafic Glade and Barrens						Marg
1	Vertebrate - Bird	ABPBX95010	Poocetes gramineus (Vesper Sparrow)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
1	Vertebrate - Bird	ABPBX95010	Poocetes gramineus (Vesper Sparrow)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
1	Vertebrate - Bird	ABPBX95010	Poocetes gramineus (Vesper Sparrow)	Eastern Highland Rim Prairie and Barrens				Pref		
1	Vertebrate - Bird	ABPBX95010	Poocetes gramineus (Vesper Sparrow)	Pennyroyal Karst Plain Prairie and Barrens				Pref		
1	Vertebrate - Bird	ABPBX95010	Poocetes gramineus (Vesper Sparrow)	Southern Ridge and Valley Patch Prairie						Pref
1	Vertebrate - Bird	ABPBX95010	Poocetes gramineus (Vesper Sparrow)	Western Highland Rim Prairie and Barrens				Pref		
1	Vertebrate - Bird	ABPBX95010	Poocetes gramineus (Vesper Sparrow)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX95010	Poocetes gramineus (Vesper Sparrow)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX95010	Poocetes gramineus (Vesper Sparrow)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX95010	Poocetes gramineus (Vesper Sparrow)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX95010	Poocetes gramineus (Vesper Sparrow)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX07010	Protonotaria citrea (Prothonotary Warbler)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Marg	Marg	
1	Vertebrate - Bird	ABPBX07010	Protonotaria citrea (Prothonotary Warbler)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
1	Vertebrate - Bird	ABPBX07010	Protonotaria citrea (Prothonotary Warbler)	Southern and Central Appalachian Bog and Fen					Suit	Suit
1	Vertebrate - Bird	ABPBX07010	Protonotaria citrea (Prothonotary Warbler)	Southern Appalachian Seepage Wetland						Marg
1	Vertebrate - Bird	ABPBX07010	Protonotaria citrea (Prothonotary Warbler)	Western Highland Rim Seepage Fen			Suit			
1	Vertebrate - Bird	ABPBX07010	Protonotaria citrea (Prothonotary Warbler)	Cumberland Riverscour				Marg		
1	Vertebrate - Bird	ABPBX07010	Protonotaria citrea (Prothonotary Warbler)	East Gulf Coastal Plain Large River Floodplain Forest			Pref			
1	Vertebrate - Bird	ABPBX07010	Protonotaria citrea (Prothonotary Warbler)	East Gulf Coastal Plain Northern Seepage Swamp			Suit			
1	Vertebrate - Bird	ABPBX07010	Protonotaria citrea (Prothonotary Warbler)	East Gulf Coastal Plain Small Stream and River Floodplain Forest			Suit			
1	Vertebrate - Bird	ABPBX07010	Protonotaria citrea (Prothonotary Warbler)	Lower Mississippi River Bottomland and Floodplain Forest		Pref				
1	Vertebrate - Bird	ABPBX07010	Protonotaria citrea (Prothonotary Warbler)	Lower Mississippi River Bottomland Depression		Pref				
1	Vertebrate - Bird	ABPBX07010	Protonotaria citrea (Prothonotary Warbler)	South-Central Interior Large Floodplain				Pref	Pref	Pref
1	Vertebrate - Bird	ABPBX07010	Protonotaria citrea (Prothonotary Warbler)	South-Central Interior Small Stream and Riparian			Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX07010	Protonotaria citrea (Prothonotary Warbler)	Converted Wetland (Palustrine)		Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX07010	Protonotaria citrea (Prothonotary Warbler)	Converted Wetland (Riverine)		Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX07010	Protonotaria citrea (Prothonotary Warbler)	Converted Wetland (Lacustrine)		Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNME05020	Rallus elegans (King Rail)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Marg		
1	Vertebrate - Bird	ABNME05020	Rallus elegans (King Rail)	East Gulf Coastal Plain Large River Floodplain Forest			Pref			
1	Vertebrate - Bird	ABNME05020	Rallus elegans (King Rail)	East Gulf Coastal Plain Northern Seepage Swamp			Suit			
1	Vertebrate - Bird	ABNME05020	Rallus elegans (King Rail)	East Gulf Coastal Plain Small Stream and River Floodplain Forest			Pref			
1	Vertebrate - Bird	ABNME05020	Rallus elegans (King Rail)	Lower Mississippi River Bottomland and Floodplain Forest		Pref				
1	Vertebrate - Bird	ABNME05020	Rallus elegans (King Rail)	Lower Mississippi River Bottomland Depression		Pref				
1	Vertebrate - Bird	ABNME05020	Rallus elegans (King Rail)	South-Central Interior Large Floodplain				Pref		
1	Vertebrate - Bird	ABNME05020	Rallus elegans (King Rail)	South-Central Interior Small Stream and Riparian			Suit	Pref		
1	Vertebrate - Bird	ABNME05020	Rallus elegans (King Rail)	Converted Wetland (Palustrine)		Suit	Suit	Suit	Suit	Suit

Terrestrial Habitat Preferences										
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	REGIONAL HABITAT PREFERENCE					
					MAP	UGCP	ILP	CPM	RV	SBR
1	Vertebrate - Bird	ABNME05020	Rallus elegans (King Rail)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNME05020	Rallus elegans (King Rail)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPB05010	Regulus satrapa (Golden-crowned Kinglet)	Central and Southern Appalachian Spruce-Fir Forest						Pref
1	Vertebrate - Bird	ABPB05010	Regulus satrapa (Golden-crowned Kinglet)	Southern Appalachian Low Mountain Pine Forest						Marg
1	Vertebrate - Bird	ABPB05010	Regulus satrapa (Golden-crowned Kinglet)	Southern Appalachian Montane Pine Forest and Woodland						Suit
1	Vertebrate - Bird	ABPB05010	Regulus satrapa (Golden-crowned Kinglet)	Central and Southern Appalachian Northern Hardwood Forest						Marg
1	Vertebrate - Bird	ABPB05010	Regulus satrapa (Golden-crowned Kinglet)	Southern and Central Appalachian Cove Forest						Marg
1	Vertebrate - Bird	ABPB05010	Regulus satrapa (Golden-crowned Kinglet)	Southern and Central Appalachian Oak Forest						Marg
1	Vertebrate - Bird	ABPB05010	Regulus satrapa (Golden-crowned Kinglet)	Appalachian Hemlock-Hardwood Forest						Suit
1	Vertebrate - Bird	ABPAU08010	Riparia riparia (Bank Swallow)	Lower Mississippi River Bottomland and Floodplain Forest	Suit					
1	Vertebrate - Bird	ABPAU08010	Riparia riparia (Bank Swallow)	Lower Mississippi River Bottomland Depression	Suit					
1	Vertebrate - Bird	ABPAU08010	Riparia riparia (Bank Swallow)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPAU08010	Riparia riparia (Bank Swallow)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPAU08010	Riparia riparia (Bank Swallow)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPAU08010	Riparia riparia (Bank Swallow)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPAU08010	Riparia riparia (Bank Swallow)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPAU08010	Riparia riparia (Bank Swallow)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPAU08010	Riparia riparia (Bank Swallow)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPAU08010	Riparia riparia (Bank Swallow)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX10030	Seiurus motacilla (Louisiana Waterthrush)	Cumberland Riverscours					Marg	
1	Vertebrate - Bird	ABPBX10030	Seiurus motacilla (Louisiana Waterthrush)	East Gulf Coastal Plain Large River Floodplain Forest	Suit					
1	Vertebrate - Bird	ABPBX10030	Seiurus motacilla (Louisiana Waterthrush)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				
1	Vertebrate - Bird	ABPBX10030	Seiurus motacilla (Louisiana Waterthrush)	Lower Mississippi River Bottomland and Floodplain Forest	Pref					
1	Vertebrate - Bird	ABPBX10030	Seiurus motacilla (Louisiana Waterthrush)	Lower Mississippi River Bottomland Depression	Pref					
1	Vertebrate - Bird	ABPBX10030	Seiurus motacilla (Louisiana Waterthrush)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX10030	Seiurus motacilla (Louisiana Waterthrush)	South-Central Interior Small Stream and Riparian		Pref	Pref	Pref	Pref	Pref
1	Vertebrate - Bird	ABPAZ01010	Sitta canadensis (Red-breasted Nuthatch)	Central and Southern Appalachian Spruce-Fir Forest						Pref
1	Vertebrate - Bird	ABPAZ01010	Sitta canadensis (Red-breasted Nuthatch)	Southern Appalachian Low Mountain Pine Forest						Marg
1	Vertebrate - Bird	ABPAZ01010	Sitta canadensis (Red-breasted Nuthatch)	Southern Appalachian Montane Pine Forest and Woodland						Marg
1	Vertebrate - Bird	ABPAZ01010	Sitta canadensis (Red-breasted Nuthatch)	Central and Southern Appalachian Northern Hardwood Forest						Marg
1	Vertebrate - Bird	ABPAZ01010	Sitta canadensis (Red-breasted Nuthatch)	Southern and Central Appalachian Cove Forest						Suit
1	Vertebrate - Bird	ABPAZ01010	Sitta canadensis (Red-breasted Nuthatch)	Southern and Central Appalachian Oak Forest						Marg
1	Vertebrate - Bird	ABPAZ01010	Sitta canadensis (Red-breasted Nuthatch)	Appalachian Hemlock-Hardwood Forest						Suit
1	Vertebrate - Bird	ABPAZ01040	Sitta pusilla (Brown-headed Nuthatch)	Southern Appalachian Low Mountain Pine Forest						Pref
1	Vertebrate - Bird	ABPAZ01040	Sitta pusilla (Brown-headed Nuthatch)	Southern Appalachian Montane Pine Forest and Woodland						Pref
1	Vertebrate - Bird	ABPAZ01040	Sitta pusilla (Brown-headed Nuthatch)	Allegheny-Cumberland Dry Oak Forest and Woodland						Marg
1	Vertebrate - Bird	ABPAZ01040	Sitta pusilla (Brown-headed Nuthatch)	Central and Southern Appalachian Northern Hardwood Forest						Marg
1	Vertebrate - Bird	ABPAZ01040	Sitta pusilla (Brown-headed Nuthatch)	South-Central Interior / Upper Coastal Plain Flatwoods			Marg			
1	Vertebrate - Bird	ABPAZ01040	Sitta pusilla (Brown-headed Nuthatch)	East Gulf Coastal Plain Limestone Forest			Marg			
1	Vertebrate - Bird	ABPAZ01040	Sitta pusilla (Brown-headed Nuthatch)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest			Suit			
1	Vertebrate - Bird	ABPAZ01040	Sitta pusilla (Brown-headed Nuthatch)	East Gulf Coastal Plain Northern Loess Bluff Forest			Marg			
1	Vertebrate - Bird	ABPAZ01040	Sitta pusilla (Brown-headed Nuthatch)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland			Suit			
1	Vertebrate - Bird	ABPAZ01040	Sitta pusilla (Brown-headed Nuthatch)	East Gulf Coastal Plain Northern Mesic Hardwood Forest			Marg			
1	Vertebrate - Bird	ABPAZ01040	Sitta pusilla (Brown-headed Nuthatch)	South-Central Interior Mesophytic Forest			Marg			Marg
1	Vertebrate - Bird	ABPAZ01040	Sitta pusilla (Brown-headed Nuthatch)	Southern and Central Appalachian Cove Forest						Marg
1	Vertebrate - Bird	ABPAZ01040	Sitta pusilla (Brown-headed Nuthatch)	Southern and Central Appalachian Oak Forest						Marg
1	Vertebrate - Bird	ABPAZ01040	Sitta pusilla (Brown-headed Nuthatch)	Appalachian Hemlock-Hardwood Forest						Marg
1	Vertebrate - Bird	ABPAZ01040	Sitta pusilla (Brown-headed Nuthatch)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest			Pref			
1	Vertebrate - Bird	ABPAZ01040	Sitta pusilla (Brown-headed Nuthatch)	Forest Plantation	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPAZ01040	Sitta pusilla (Brown-headed Nuthatch)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABNYF05010	Sphyrapicus varius (Yellow-bellied Sapsucker)	Central and Southern Appalachian Northern Hardwood Forest						Pref
1	Vertebrate - Bird	ABNYF05010	Sphyrapicus varius (Yellow-bellied Sapsucker)	Southern and Central Appalachian Cove Forest						Suit
1	Vertebrate - Bird	ABNYF05010	Sphyrapicus varius (Yellow-bellied Sapsucker)	Southern and Central Appalachian Oak Forest						Suit
1	Vertebrate - Bird	ABNYF05010	Sphyrapicus varius (Yellow-bellied Sapsucker)	Appalachian Hemlock-Hardwood Forest						Suit
1	Vertebrate - Bird	ABPBX65010	Spiza americana (Dickcissel)	Central Interior Highlands Calcareous Glade and Barrens			Suit	Suit	Suit	
1	Vertebrate - Bird	ABPBX65010	Spiza americana (Dickcissel)	Central Interior Highlands Dry Acidic Glade and Barrens			Suit	Suit		
1	Vertebrate - Bird	ABPBX65010	Spiza americana (Dickcissel)	Cumberland Sandstone Glade and Barrens					Suit	
1	Vertebrate - Bird	ABPBX65010	Spiza americana (Dickcissel)	Nashville Basin Limestone Glade				Suit		
1	Vertebrate - Bird	ABPBX65010	Spiza americana (Dickcissel)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland			Pref			
1	Vertebrate - Bird	ABPBX65010	Spiza americana (Dickcissel)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens			Pref			
1	Vertebrate - Bird	ABPBX65010	Spiza americana (Dickcissel)	Eastern Highland Rim Prairie and Barrens				Pref		
1	Vertebrate - Bird	ABPBX65010	Spiza americana (Dickcissel)	Pennyroyal Karst Plain Prairie and Barrens				Pref		
1	Vertebrate - Bird	ABPBX65010	Spiza americana (Dickcissel)	Western Highland Rim Prairie and Barrens				Pref		
1	Vertebrate - Bird	ABPBX65010	Spiza americana (Dickcissel)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX65010	Spiza americana (Dickcissel)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX65010	Spiza americana (Dickcissel)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX65010	Spiza americana (Dickcissel)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBG07010	Thryomanes bewickii (Bewick's Wren)	Appalachian Shale Barrens					Marg	Marg
1	Vertebrate - Bird	ABPBG07010	Thryomanes bewickii (Bewick's Wren)	Central Interior Highlands Calcareous Glade and Barrens			Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBG07010	Thryomanes bewickii (Bewick's Wren)	Central Interior Highlands Dry Acidic Glade and Barrens			Suit	Suit		
1	Vertebrate - Bird	ABPBG07010	Thryomanes bewickii (Bewick's Wren)	Cumberland Sandstone Glade and Barrens					Suit	
1	Vertebrate - Bird	ABPBG07010	Thryomanes bewickii (Bewick's Wren)	Nashville Basin Limestone Glade			Suit			
1	Vertebrate - Bird	ABPBG07010	Thryomanes bewickii (Bewick's Wren)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland						Suit
1	Vertebrate - Bird	ABPBG07010	Thryomanes bewickii (Bewick's Wren)	Southern and Central Appalachian Mafic Glade and Barrens						Suit
1	Vertebrate - Bird	ABPBG07010	Thryomanes bewickii (Bewick's Wren)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland			Pref			
1	Vertebrate - Bird	ABPBG07010	Thryomanes bewickii (Bewick's Wren)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens			Pref			
1	Vertebrate - Bird	ABPBG07010	Thryomanes bewickii (Bewick's Wren)	Eastern Highland Rim Prairie and Barrens				Pref		
1	Vertebrate - Bird	ABPBG07010	Thryomanes bewickii (Bewick's Wren)	Pennyroyal Karst Plain Prairie and Barrens				Pref		
1	Vertebrate - Bird	ABPBG07010	Thryomanes bewickii (Bewick's Wren)	Southern Ridge and Valley Patch Prairie						Pref
1	Vertebrate - Bird	ABPBG07010	Thryomanes bewickii (Bewick's Wren)	Western Highland Rim Prairie and Barrens				Pref		
1	Vertebrate - Bird	ABPBG07010	Thryomanes bewickii (Bewick's Wren)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBG07010	Thryomanes bewickii (Bewick's Wren)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBG07010	Thryomanes bewickii (Bewick's Wren)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBG07010	Thryomanes bewickii (Bewick's Wren)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBG07010	Thryomanes bewickii (Bewick's Wren)	Edifice / Other Man-made Structure	Marg	Marg	Marg	Marg	Marg	Marg

Terrestrial Habitat Preferences											
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	REGIONAL HABITAT PREFERENCE						
					MAP	UGCP	ILP	CPM	RV	SBR	
1	Vertebrate - Bird	ABPBG09050	Troglodytes troglodytes (Winter Wren)	Central and Southern Appalachian Spruce-Fir Forest							Suit
1	Vertebrate - Bird	ABPBG09050	Troglodytes troglodytes (Winter Wren)	Southern Appalachian Low Mountain Pine Forest							Marg
1	Vertebrate - Bird	ABPBG09050	Troglodytes troglodytes (Winter Wren)	Southern Appalachian Montane Pine Forest and Woodland							Suit
1	Vertebrate - Bird	ABPBG09050	Troglodytes troglodytes (Winter Wren)	Central and Southern Appalachian Northern Hardwood Forest							Suit
1	Vertebrate - Bird	ABPBG09050	Troglodytes troglodytes (Winter Wren)	Southern and Central Appalachian Cove Forest							Suit
1	Vertebrate - Bird	ABPBG09050	Troglodytes troglodytes (Winter Wren)	Southern and Central Appalachian Oak Forest							Marg
1	Vertebrate - Bird	ABPBG09050	Troglodytes troglodytes (Winter Wren)	Appalachian Hemlock-Hardwood Forest							Suit
1	Vertebrate - Bird	ABNNF14010	Tryngites subruficollis (Buff-breasted Sandpiper)	Lower Mississippi River Bottomland and Floodplain Forest	Suit						
1	Vertebrate - Bird	ABNNF14010	Tryngites subruficollis (Buff-breasted Sandpiper)	Lower Mississippi River Bottomland Depression	Pref						
1	Vertebrate - Bird	ABNNF14010	Tryngites subruficollis (Buff-breasted Sandpiper)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABNNF14010	Tryngites subruficollis (Buff-breasted Sandpiper)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNNF14010	Tryngites subruficollis (Buff-breasted Sandpiper)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNNF14010	Tryngites subruficollis (Buff-breasted Sandpiper)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABNNF14010	Tryngites subruficollis (Buff-breasted Sandpiper)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNNF14010	Tryngites subruficollis (Buff-breasted Sandpiper)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNNF14010	Tryngites subruficollis (Buff-breasted Sandpiper)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNLC13010	Tympanuchus cupido (Greater Prairie-chicken)	Central Interior Highlands Calcareous Glade and Barrens							Suit
1	Vertebrate - Bird	ABNLC13010	Tympanuchus cupido (Greater Prairie-chicken)	Central Interior Highlands Dry Acidic Glade and Barrens							Suit
1	Vertebrate - Bird	ABNLC13010	Tympanuchus cupido (Greater Prairie-chicken)	Nashville Basin Limestone Glade							Suit
1	Vertebrate - Bird	ABNLC13010	Tympanuchus cupido (Greater Prairie-chicken)	Eastern Highland Rim Prairie and Barrens							Suit
1	Vertebrate - Bird	ABNLC13010	Tympanuchus cupido (Greater Prairie-chicken)	Pennyroyal Karst Plain Prairie and Barrens							Pref
1	Vertebrate - Bird	ABNLC13010	Tympanuchus cupido (Greater Prairie-chicken)	Western Highland Rim Prairie and Barrens							Suit
1	Vertebrate - Bird	ABNLC13010	Tympanuchus cupido (Greater Prairie-chicken)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNLC13010	Tympanuchus cupido (Greater Prairie-chicken)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNLC13010	Tympanuchus cupido (Greater Prairie-chicken)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABNLC13010	Tympanuchus cupido (Greater Prairie-chicken)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	Central Interior Highlands Calcareous Glade and Barrens							Marg
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	Central Interior Highlands Dry Acidic Glade and Barrens							Marg
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	Nashville Basin Limestone Glade							Marg
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland							Pref
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens							Pref
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	Eastern Highland Rim Prairie and Barrens							Pref
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	Pennyroyal Karst Plain Prairie and Barrens							Pref
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	Western Highland Rim Prairie and Barrens							Pref
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond							Marg
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	South-Central Interior / Upper Coastal Plain Wet Flatwoods							Marg
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	Western Highland Rim Seepage Fen							Marg
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	East Gulf Coastal Plain Large River Floodplain Forest							Marg
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	East Gulf Coastal Plain Northern Seepage Swamp							Marg
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	East Gulf Coastal Plain Small Stream and River Floodplain Forest							Marg
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	Lower Mississippi River Bottomland and Floodplain Forest							Marg
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	Lower Mississippi River Bottomland Depression							Marg
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	South-Central Interior Large Floodplain							Marg
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	South-Central Interior Small Stream and Riparian							Marg
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPAE52100	Tyrannus forficatus (Scissor-tailed Flycatcher)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	South-Central Interior / Upper Coastal Plain Flatwoods							Suit
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Central Interior Highlands Calcareous Glade and Barrens							Suit
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Central Interior Highlands Dry Acidic Glade and Barrens							Suit
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Cumberland Sandstone Glade and Barrens							Suit
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Nashville Basin Limestone Glade							Suit
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland							Suit
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Southern and Central Appalachian Mafic Glade and Barrens							Marg
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland							Pref
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens							Pref
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Eastern Highland Rim Prairie and Barrens							Suit
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Pennyroyal Karst Plain Prairie and Barrens							Suit
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Southern Ridge and Valley Patch Prairie							Pref
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Western Highland Rim Prairie and Barrens							Suit
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond							Suit
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	South-Central Interior / Upper Coastal Plain Wet Flatwoods							Suit
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Southern and Central Appalachian Bog and Fen							Suit
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Southern Appalachian Seepage Wetland							Suit
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Western Highland Rim Seepage Fen							Suit
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABNSA01010	Tyto alba (Barn Owl)	Edifice / Other Man-made Structure	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland							Suit
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Central and Southern Appalachian Northern Hardwood Forest							Suit
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	South-Central Interior Mesophytic Forest							Suit
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Southern and Central Appalachian Cove Forest							Suit
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Southern and Central Appalachian Oak Forest							Suit
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Appalachian Hemlock-Hardwood Forest							Suit
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Southern Appalachian Grass and Shrub Bald							Suit
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Southern Appalachian Rocky Summit							Suit
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Appalachian Shale Barrens							Marg
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Central Interior Highlands Calcareous Glade and Barrens							Suit
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Cumberland Sandstone Glade and Barrens							Pref
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland							Pref

Terrestrial Habitat Preferences										
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	REGIONAL HABITAT PREFERENCE					
					MAP	UGCP	ILP	CPM	RV	SBR
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Southern and Central Appalachian Mafic Glade and Barrens						Suit
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Southern Ridge and Valley Patch Prairie					Suit	
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX01030	Vermivora chrysoptera (Golden-winged Warbler)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Southern Appalachian Low Mountain Pine Forest			Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Central and Southern Appalachian Northern Hardwood Forest						Marg
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg				
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	East Gulf Coastal Plain Limestone Forest		Marg				
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	East Gulf Coastal Plain Northern Mesic Hardwood Forest		Marg				
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Southern Interior Low Plateau Dry Oak Forest			Marg			
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	South-Central Interior Mesophytic Forest		Marg	Marg	Marg	Marg	
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Southern and Central Appalachian Cove Forest				Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Southern and Central Appalachian Oak Forest					Marg	Marg
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Appalachian Hemlock-Hardwood Forest				Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Appalachian Shale Barrens				Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Central Interior Highlands Calcareous Glade and Barrens		Suit	Suit	Suit	Suit	
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Suit			
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Cumberland Sandstone Glade and Barrens				Suit		
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Nashville Basin Limestone Glade			Suit			
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Suit	
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Southern and Central Appalachian Mafic Glade and Barrens						Suit
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref				
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref				
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Eastern Highland Rim Prairie and Barrens			Pref			
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Penryroal Karst Plain Prairie and Barrens			Pref			
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Southern Ridge and Valley Patch Prairie					Pref	
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Western Highland Rim Prairie and Barrens			Pref			
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Cumberland Seepage Forest				Marg		
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Marg				
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Southern and Central Appalachian Bog and Fen					Suit	Suit
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Southern Appalachian Seepage Wetland						Marg
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Western Highland Rim Seepage Fen			Suit			
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Cumberland Riverscours				Marg		
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	East Gulf Coastal Plain Large River Floodplain Forest		Marg				
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	East Gulf Coastal Plain Northern Seepage Swamp		Marg				
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Lower Mississippi River Bottomland and Floodplain Forest		Suit				
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Lower Mississippi River Bottomland Depression		Suit				
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	South-Central Interior Large Floodplain			Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBX01020	Vermivora pinus (Blue-winged Warbler)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBW01110	Vireo bellii (Bell's Vireo)	Central Interior Highlands Calcareous Glade and Barrens		Suit				
1	Vertebrate - Bird	ABPBW01110	Vireo bellii (Bell's Vireo)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit				
1	Vertebrate - Bird	ABPBW01110	Vireo bellii (Bell's Vireo)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
1	Vertebrate - Bird	ABPBW01110	Vireo bellii (Bell's Vireo)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
1	Vertebrate - Bird	ABPBW01110	Vireo bellii (Bell's Vireo)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Marg				
1	Vertebrate - Bird	ABPBW01110	Vireo bellii (Bell's Vireo)	East Gulf Coastal Plain Large River Floodplain Forest		Suit				
1	Vertebrate - Bird	ABPBW01110	Vireo bellii (Bell's Vireo)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref				
1	Vertebrate - Bird	ABPBW01110	Vireo bellii (Bell's Vireo)	Lower Mississippi River Bottomland and Floodplain Forest		Suit				
1	Vertebrate - Bird	ABPBW01110	Vireo bellii (Bell's Vireo)	Lower Mississippi River Bottomland Depression		Suit				
1	Vertebrate - Bird	ABPBW01110	Vireo bellii (Bell's Vireo)	South-Central Interior Small Stream and Riparian		Pref				
1	Vertebrate - Bird	ABPBW01110	Vireo bellii (Bell's Vireo)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBW01110	Vireo bellii (Bell's Vireo)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBW01110	Vireo bellii (Bell's Vireo)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBW01110	Vireo bellii (Bell's Vireo)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBW01110	Vireo bellii (Bell's Vireo)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBW01110	Vireo bellii (Bell's Vireo)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Bird	ABPBW01170	Vireo flavifrons (Yellow-throated Vireo)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
1	Vertebrate - Bird	ABPBW01170	Vireo flavifrons (Yellow-throated Vireo)	Central and Southern Appalachian Northern Hardwood Forest						Pref
1	Vertebrate - Bird	ABPBW01170	Vireo flavifrons (Yellow-throated Vireo)	Southern Interior Low Plateau Dry Oak Forest			Suit			
1	Vertebrate - Bird	ABPBW01170	Vireo flavifrons (Yellow-throated Vireo)	South-Central Interior Mesophytic Forest			Pref	Pref	Pref	
1	Vertebrate - Bird	ABPBW01170	Vireo flavifrons (Yellow-throated Vireo)	Southern and Central Appalachian Cove Forest				Pref	Pref	Pref
1	Vertebrate - Bird	ABPBW01170	Vireo flavifrons (Yellow-throated Vireo)	Southern and Central Appalachian Oak Forest					Suit	Suit
1	Vertebrate - Bird	ABPBW01170	Vireo flavifrons (Yellow-throated Vireo)	Appalachian Hemlock-Hardwood Forest					Suit	Suit
1	Vertebrate - Bird	ABPBW01170	Vireo flavifrons (Yellow-throated Vireo)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBW01170	Vireo flavifrons (Yellow-throated Vireo)	South-Central Interior Small Stream and Riparian			Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBW01170	Vireo flavifrons (Yellow-throated Vireo)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Bird	ABPBW01020	Vireo griseus (White-eyed Vireo)	Lower Mississippi River Bottomland and Floodplain Forest		Pref				
1	Vertebrate - Bird	ABPBW01020	Vireo griseus (White-eyed Vireo)	Lower Mississippi River Bottomland Depression		Suit				



Terrestrial Habitat Preferences							REGIONAL HABITAT PREFERENCE					
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	MAP	UGCP	ILP	CPM	RV	SBR		
1	Vertebrate - Bird	ABPBW01020	Vireo griseus (White-eyed Vireo)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBW01020	Vireo griseus (White-eyed Vireo)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPBW01020	Vireo griseus (White-eyed Vireo)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPBW01020	Vireo griseus (White-eyed Vireo)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPBW01020	Vireo griseus (White-eyed Vireo)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPBW01020	Vireo griseus (White-eyed Vireo)	Converted Wetland (Rivine)	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPBW01020	Vireo griseus (White-eyed Vireo)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Southern Appalachian Low Mountain Pine Forest			Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg			
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Central and Southern Appalachian Northern Hardwood Forest						Suit		
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit						
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	East Gulf Coastal Plain Limestone Forest		Suit						
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg						
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit						
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg						
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	East Gulf Coastal Plain Northern Mesic Hardwood Forest		Suit						
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Southern Interior Low Plateau Dry Oak Forest			Marg					
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit			
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Southern and Central Appalachian Oak Forest					Suit	Suit		
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Appalachian Hemlock-Hardwood Forest				Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg						
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Marg						
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Marg						
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Eastern Highland Rim Prairie and Barrens			Marg					
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Pennyroyal Karst Plain Prairie and Barrens			Marg					
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Southern Ridge and Valley Patch Prairie					Marg			
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Western Highland Rim Prairie and Barrens			Marg					
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit			
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Cumberland Seepage Forest				Suit				
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit						
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Southern and Central Appalachian Bog and Fen					Suit	Suit		
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Southern Appalachian Seepage Wetland						Suit		
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Western Highland Rim Seepage Fen			Suit					
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	East Gulf Coastal Plain Large River Floodplain Forest		Suit						
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	East Gulf Coastal Plain Northern Seepage Swamp		Suit						
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	East Gulf Coastal Plain Small Stream and River Floodplain Forest								
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Lower Mississippi River Bottomland and Floodplain Forest		Pref						
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Lower Mississippi River Bottomland Depression		Suit						
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	South-Central Interior Large Floodplain				Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	South-Central Interior Small Stream and Riparian			Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Forest Plantation		Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Urban / Suburban Managed Forestland		Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Old Field / Successional		Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Pasture		Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Urban / Suburban Managed Grassland		Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)		Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Converted Wetland (Palustrine)		Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Converted Wetland (Rivine)		Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Bird	ABPBX16010	Wilsonia citrina (Hooded Warbler)	Converted Wetland (Lacustrine)		Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Mammal	AMABB05010	Condylura cristata (Star-nosed Mole)	Southern and Central Appalachian Bog and Fen						Suit		
1	Vertebrate - Mammal	AMABB05010	Condylura cristata (Star-nosed Mole)	Southern Appalachian Seepage Wetland						Suit		
1	Vertebrate - Mammal	AMABB05010	Condylura cristata (Star-nosed Mole)	South-Central Interior Large Floodplain						Suit		
1	Vertebrate - Mammal	AMABB05010	Condylura cristata (Star-nosed Mole)	South-Central Interior Small Stream and Riparian						Pref		
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse					Suit			
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Southern Interior Sinkhole Wall						Suit		
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Southern Appalachian Low Mountain Pine Forest				Suit	Suit	Suit		
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Southern Appalachian Montane Pine Forest and Woodland					Suit	Suit		
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	Suit		
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Central and Southern Appalachian Northern Hardwood Forest						Suit		
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit						
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Limestone Forest		Suit						
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit						
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit						
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit						
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Northern Mesic Hardwood Forest		Suit						
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Southern Interior Low Plateau Dry Oak Forest				Suit				
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit			
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit		
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Southern and Central Appalachian Oak Forest					Suit	Suit		
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Appalachian Hemlock-Hardwood Forest					Suit	Suit		
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit						
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Suit	Suit	Suit		
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Cumberland Seepage Forest					Suit			
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit						
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Southern and Central Appalachian Bog and Fen					Suit	Suit		
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Southern Appalachian Seepage Wetland						Suit		
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Western Highland Rim Seepage Fen				Suit				
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Cumberland Riverscour					Suit			
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Large River Floodplain Forest		Suit						
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Northern Seepage Swamp		Suit						
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit						
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Lower Mississippi River Bottomland and Floodplain Forest		Suit						
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Lower Mississippi River Bottomland Depression		Suit						
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	South-Central Interior Large Floodplain				Suit	Suit	Suit		

Terrestrial Habitat Preferences											
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	REGIONAL HABITAT PREFERENCE						
					MAP	UGCP	ILP	CPM	RV	SBR	
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	South-Central Interior Small Stream and Riparian		Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC08020	Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)	Edifice / Other Man-made Structure	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMAJF01020	Martes pennanti (Fisher)	Central and Southern Appalachian Spruce-Fir Forest							Suit
1	Vertebrate - Mammal	AMAJF01020	Martes pennanti (Fisher)	Southern Appalachian Low Mountain Pine Forest					Suit		Suit
1	Vertebrate - Mammal	AMAJF01020	Martes pennanti (Fisher)	Southern Appalachian Montane Pine Forest and Woodland					Suit		Suit
1	Vertebrate - Mammal	AMAJF01020	Martes pennanti (Fisher)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit		
1	Vertebrate - Mammal	AMAJF01020	Martes pennanti (Fisher)	Central and Southern Appalachian Northern Hardwood Forest							Suit
1	Vertebrate - Mammal	AMAJF01020	Martes pennanti (Fisher)	South-Central Interior Mesophytic Forest					Suit		
1	Vertebrate - Mammal	AMAJF01020	Martes pennanti (Fisher)	Southern and Central Appalachian Cove Forest					Suit		Suit
1	Vertebrate - Mammal	AMAJF01020	Martes pennanti (Fisher)	Southern and Central Appalachian Oak Forest							Suit
1	Vertebrate - Mammal	AMAJF01020	Martes pennanti (Fisher)	Appalachian Hemlock-Hardwood Forest					Suit		Suit
1	Vertebrate - Mammal	AMAJF01020	Martes pennanti (Fisher)	Cumberland Riverscour					Marg		
1	Vertebrate - Mammal	AMAJF01020	Martes pennanti (Fisher)	South-Central Interior Large Floodplain					Pref		Pref
1	Vertebrate - Mammal	AMAJF01020	Martes pennanti (Fisher)	South-Central Interior Small Stream and Riparian					Pref		Pref
1	Vertebrate - Mammal	AMAFF11091	Microtus chrotorrhinus carolinensis (Southern Rock Vole)	Central and Southern Appalachian Spruce-Fir Forest							Pref
1	Vertebrate - Mammal	AMAFF11091	Microtus chrotorrhinus carolinensis (Southern Rock Vole)	Southern Appalachian Low Mountain Pine Forest							Pref
1	Vertebrate - Mammal	AMAFF11091	Microtus chrotorrhinus carolinensis (Southern Rock Vole)	Southern Appalachian Montane Pine Forest and Woodland							Marg
1	Vertebrate - Mammal	AMAFF11091	Microtus chrotorrhinus carolinensis (Southern Rock Vole)	Central and Southern Appalachian Northern Hardwood Forest							Pref
1	Vertebrate - Mammal	AMAFF11091	Microtus chrotorrhinus carolinensis (Southern Rock Vole)	Southern and Central Appalachian Cove Forest							Suit
1	Vertebrate - Mammal	AMAFF11091	Microtus chrotorrhinus carolinensis (Southern Rock Vole)	Southern and Central Appalachian Oak Forest							Suit
1	Vertebrate - Mammal	AMAFF11091	Microtus chrotorrhinus carolinensis (Southern Rock Vole)	Appalachian Hemlock-Hardwood Forest							Suit
1	Vertebrate - Mammal	AMAFF11091	Microtus chrotorrhinus carolinensis (Southern Rock Vole)	South-Central Interior Large Floodplain							Suit
1	Vertebrate - Mammal	AMAFF11091	Microtus chrotorrhinus carolinensis (Southern Rock Vole)	South-Central Interior Small Stream and Riparian							Pref
1	Vertebrate - Mammal	AMAJF02020	Mustela nivalis (Least Weasel)	Appalachian Shale Barrens					Marg	Suit	Marg
1	Vertebrate - Mammal	AMAJF02020	Mustela nivalis (Least Weasel)	Central Interior Highlands Calcareous Glade and Barrens					Suit	Suit	
1	Vertebrate - Mammal	AMAJF02020	Mustela nivalis (Least Weasel)	Cumberland Sandstone Glade and Barrens					Suit		
1	Vertebrate - Mammal	AMAJF02020	Mustela nivalis (Least Weasel)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland						Suit	
1	Vertebrate - Mammal	AMAJF02020	Mustela nivalis (Least Weasel)	Southern and Central Appalachian Mafic Glade and Barrens							Suit
1	Vertebrate - Mammal	AMAJF02020	Mustela nivalis (Least Weasel)	Southern Ridge and Valley Patch Prairie						Suit	
1	Vertebrate - Mammal	AMAJF02020	Mustela nivalis (Least Weasel)	South-Central Interior / Upper Coastal Plain Floodplain					Suit	Suit	Suit
1	Vertebrate - Mammal	AMAJF02020	Mustela nivalis (Least Weasel)	South-Central Interior Small Stream and Riparian					Suit	Suit	Suit
1	Vertebrate - Mammal	AMAJF02020	Mustela nivalis (Least Weasel)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMAJF02020	Mustela nivalis (Least Weasel)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMAJF02020	Mustela nivalis (Least Weasel)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Mammal	AMAJF02020	Mustela nivalis (Least Weasel)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Mammal	AMAJF02020	Mustela nivalis (Least Weasel)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	South-Central Interior / Upper Coastal Plain Flatwoods					Suit		
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	East Gulf Coastal Plain Limestone Forest					Marg		
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest					Marg		
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	East Gulf Coastal Plain Northern Loess Bluff Forest					Marg		
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland					Marg		
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	East Gulf Coastal Plain Northern Mesic Hardwood Forest					Suit		
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	South-Central Interior Mesophytic Forest					Suit		
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest					Marg		
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	South-Central Interior / Upper Coastal Plain Wet Flatwoods					Suit		
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	East Gulf Coastal Plain Large River Floodplain Forest					Pref		
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	East Gulf Coastal Plain Northern Seepage Swamp					Suit		
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	East Gulf Coastal Plain Small Stream and River Floodplain Forest					Pref		
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	Lower Mississippi River Bottomland and Floodplain Forest					Pref		
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	Lower Mississippi River Bottomland Depression					Pref		
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	South-Central Interior Small Stream and Riparian					Suit		
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC01030	Myotis austroriparius (Southeastern Bat)	Edifice / Other Man-made Structure	Suit	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse						Suit	
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Central Interior Acidic Cliff and Talus					Suit		
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Central Interior Calcareous Cliff and Talus					Suit		
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	North-Central Appalachian Acidic Cliff and Talus							Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Southern Appalachian Montane Cliff and Talus						Suit	Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Cumberland Acid Cliff						Suit	Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Southern Interior Calcareous Cliff						Suit	Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Southern Interior Sinkhole Wall					Suit		Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Central and Southern Appalachian Spruce-Fir Forest							Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Southern Appalachian Low Mountain Pine Forest					Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Southern Appalachian Montane Pine Forest and Woodland					Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	Suit	
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Central and Southern Appalachian Northern Hardwood Forest							Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Southern Interior Low Plateau Dry Oak Forest					Suit		
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	South-Central Interior Mesophytic Forest					Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Southern and Central Appalachian Cove Forest					Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Southern and Central Appalachian Oak Forest						Suit	Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Appalachian Hemlock-Hardwood Forest					Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond					Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Southern and Central Appalachian Bog and Fen						Suit	Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Southern Appalachian Seepage Wetland							Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Cumberland Riverscour					Suit		
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	South-Central Interior Large Floodplain					Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	South-Central Interior Small Stream and Riparian					Suit	Suit	Suit

Terrestrial Habitat Preferences										
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	REGIONAL HABITAT PREFERENCE					
					MAP	UGCP	ILP	CPM	RV	SBR
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMACC01130	Myotis leibii (Eastern Small-footed Bat)	Edifice / Other Man-made Structure	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Mammal	AMAFH02010	Napaeozapus insignis (Woodland Jumping Mouse)	Southern Appalachian Low Mountain Pine Forest				Marg	Marg	Marg
1	Vertebrate - Mammal	AMAFH02010	Napaeozapus insignis (Woodland Jumping Mouse)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
1	Vertebrate - Mammal	AMAFH02010	Napaeozapus insignis (Woodland Jumping Mouse)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
1	Vertebrate - Mammal	AMAFH02010	Napaeozapus insignis (Woodland Jumping Mouse)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Vertebrate - Mammal	AMAFH02010	Napaeozapus insignis (Woodland Jumping Mouse)	South-Central Interior Mesophytic Forest				Suit	Suit	
1	Vertebrate - Mammal	AMAFH02010	Napaeozapus insignis (Woodland Jumping Mouse)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
1	Vertebrate - Mammal	AMAFH02010	Napaeozapus insignis (Woodland Jumping Mouse)	Southern and Central Appalachian Oak Forest					Marg	Suit
1	Vertebrate - Mammal	AMAFH02010	Napaeozapus insignis (Woodland Jumping Mouse)	Appalachian Hemlock-Hardwood Forest				Suit	Suit	Suit
1	Vertebrate - Mammal	AMAFF08015	Neotoma floridana haematorea (Southern Appalachian Woodrat)	North-Central Appalachian Acidic Cliff and Talus						Suit
1	Vertebrate - Mammal	AMAFF08015	Neotoma floridana haematorea (Southern Appalachian Woodrat)	Southern Appalachian Montane Cliff and Talus						Suit
1	Vertebrate - Mammal	AMAFF08015	Neotoma floridana haematorea (Southern Appalachian Woodrat)	Southern Interior Calcareous Cliff						Suit
1	Vertebrate - Mammal	AMAFF08015	Neotoma floridana haematorea (Southern Appalachian Woodrat)	Southern Interior Sinkhole Wall						Suit
1	Vertebrate - Mammal	AMAFF08015	Neotoma floridana haematorea (Southern Appalachian Woodrat)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Vertebrate - Mammal	AMAFF08015	Neotoma floridana haematorea (Southern Appalachian Woodrat)	Southern and Central Appalachian Cove Forest						Suit
1	Vertebrate - Mammal	AMAFF08015	Neotoma floridana haematorea (Southern Appalachian Woodrat)	Southern and Central Appalachian Oak Forest						Suit
1	Vertebrate - Mammal	AMAFF08015	Neotoma floridana haematorea (Southern Appalachian Woodrat)	Appalachian Hemlock-Hardwood Forest						Suit
1	Vertebrate - Mammal	AMAFF08015	Neotoma floridana haematorea (Southern Appalachian Woodrat)	Southern and Central Appalachian Bog and Fen						Suit
1	Vertebrate - Mammal	AMAFF08015	Neotoma floridana haematorea (Southern Appalachian Woodrat)	Southern Appalachian Seepage Wetland						Suit
1	Vertebrate - Mammal	AMAFF08015	Neotoma floridana haematorea (Southern Appalachian Woodrat)	South-Central Interior Large Floodplain						Suit
1	Vertebrate - Mammal	AMAFF08015	Neotoma floridana haematorea (Southern Appalachian Woodrat)	South-Central Interior Small Stream and Riparian						Pref
1	Vertebrate - Mammal	AMAFF08016	Neotoma floridana illinoensis (Eastern Woodrat)	South-Central Interior / Upper Coastal Plain Flatwoods				Suit		
1	Vertebrate - Mammal	AMAFF08016	Neotoma floridana illinoensis (Eastern Woodrat)	East Gulf Coastal Plain Limestone Forest				Suit		
1	Vertebrate - Mammal	AMAFF08016	Neotoma floridana illinoensis (Eastern Woodrat)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest				Marg		
1	Vertebrate - Mammal	AMAFF08016	Neotoma floridana illinoensis (Eastern Woodrat)	East Gulf Coastal Plain Northern Loess Bluff Forest				Suit		
1	Vertebrate - Mammal	AMAFF08016	Neotoma floridana illinoensis (Eastern Woodrat)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland				Marg		
1	Vertebrate - Mammal	AMAFF08016	Neotoma floridana illinoensis (Eastern Woodrat)	East Gulf Coastal Plain Northern Mesic Hardwood Forest				Suit		
1	Vertebrate - Mammal	AMAFF08016	Neotoma floridana illinoensis (Eastern Woodrat)	South-Central Interior Mesophytic Forest				Suit		
1	Vertebrate - Mammal	AMAFF08016	Neotoma floridana illinoensis (Eastern Woodrat)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest				Marg		
1	Vertebrate - Mammal	AMAFF08016	Neotoma floridana illinoensis (Eastern Woodrat)	South-Central Interior / Upper Coastal Plain Wet Flatwoods				Suit		
1	Vertebrate - Mammal	AMAFF08016	Neotoma floridana illinoensis (Eastern Woodrat)	East Gulf Coastal Plain Large River Floodplain Forest				Suit		
1	Vertebrate - Mammal	AMAFF08016	Neotoma floridana illinoensis (Eastern Woodrat)	East Gulf Coastal Plain Northern Seepage Swamp				Pref		
1	Vertebrate - Mammal	AMAFF08016	Neotoma floridana illinoensis (Eastern Woodrat)	East Gulf Coastal Plain Small Stream and River Floodplain Forest				Suit		
1	Vertebrate - Mammal	AMAFF08016	Neotoma floridana illinoensis (Eastern Woodrat)	Lower Mississippi River Bottomland and Floodplain Forest				Suit		
1	Vertebrate - Mammal	AMAFF08016	Neotoma floridana illinoensis (Eastern Woodrat)	Lower Mississippi River Bottomland Depression				Pref		
1	Vertebrate - Mammal	AMAFF08016	Neotoma floridana illinoensis (Eastern Woodrat)	South-Central Interior Small Stream and Riparian				Suit		
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse					Pref	
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	Central Interior Acidic Cliff and Talus				Pref		
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	Central Interior Calcareous Cliff and Talus				Pref		
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	North-Central Appalachian Acidic Cliff and Talus						Pref
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	Southern Appalachian Montane Cliff and Talus					Pref	Pref
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	Cumberland Acid Cliff					Marg	Marg
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	Southern Interior Calcareous Cliff						Marg
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	Southern Interior Sinkhole Wall				Suit		Suit
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	Southern Appalachian Low Mountain Pine Forest				Suit		Suit
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	Southern Appalachian Montane Pine Forest and Woodland					Suit	Suit
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	Suit
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	Southern Interior Low Plateau Dry Oak Forest				Suit		
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	South-Central Interior Mesophytic Forest				Suit		Suit
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	Southern and Central Appalachian Cove Forest					Suit	Suit
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	Southern and Central Appalachian Oak Forest						Suit
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	Appalachian Hemlock-Hardwood Forest					Suit	Suit
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	South-Central Interior Large Floodplain				Suit		Suit
1	Vertebrate - Mammal	AMAFF08100	Neotoma magister (Allegheny Woodrat)	South-Central Interior Small Stream and Riparian				Suit		Suit
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Southern Appalachian Low Mountain Pine Forest				Marg	Marg	Marg
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	Marg
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	South-Central Interior / Upper Coastal Plain Flatwoods				Suit		
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	East Gulf Coastal Plain Limestone Forest				Suit		
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest				Marg		
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	East Gulf Coastal Plain Northern Loess Bluff Forest				Suit		
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland				Marg		
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	East Gulf Coastal Plain Northern Mesic Hardwood Forest				Suit		
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Southern Interior Low Plateau Dry Oak Forest					Marg	
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	South-Central Interior Mesophytic Forest				Suit		Suit
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Southern and Central Appalachian Cove Forest					Suit	Suit
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Southern and Central Appalachian Oak Forest						Suit
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Appalachian Hemlock-Hardwood Forest					Suit	Suit
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	South-Central Interior Large Floodplain				Suit		Suit
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	South-Central Interior Small Stream and Riparian				Suit		Suit
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Southern Appalachian Low Mountain Pine Forest				Marg	Marg	Marg
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	Marg
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Southern Interior Low Plateau Dry Oak Forest					Marg	
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	South-Central Interior Mesophytic Forest				Suit		Suit
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Southern and Central Appalachian Cove Forest					Suit	Suit
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Southern and Central Appalachian Oak Forest						Suit
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Appalachian Hemlock-Hardwood Forest					Suit	Suit
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest				Marg		
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland				Pref		
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens				Pref		
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Eastern Highland Rim Prairie and Barrens					Pref	
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Pennsylvanian Karst Plain Prairie and Barrens					Pref	
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Southern Ridge and Valley Patch Prairie						Pref
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Western Highland Rim Prairie and Barrens					Pref	
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Suit		Suit
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Cumberland Seepage Forest					Suit	
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	South-Central Interior / Upper Coastal Plain Wet Flatwoods				Suit		
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Southern and Central Appalachian Bog and Fen						Suit
1	Vertebrate - Mammal	AMAFF04010	Ochrotomys nuttalli (Golden Mouse)	Southern Appalachian Seepage Wetland						Suit



Terrestrial Habitat Preferences										
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	REGIONAL HABITAT PREFERENCE					
					MAP	UGCP	ILP	CPM	RV	SBR
1	Vertebrate - Mammal	AMABA01250	Sorex hoyi (Pygmy Shrew)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Mammal	AMABA01250	Sorex hoyi (Pygmy Shrew)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Southern Appalachian Low Mountain Pine Forest			Marg	Marg	Marg	Marg
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Allegheny-Cumberland Dry Oak Forest and Woodland				Marg	Marg	
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Limestone Forest		Marg				
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg				
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Northern Loess Bluff Forest		Marg				
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg				
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Northern Mesic Hardwood Forest		Suit				
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Southern Interior Low Plateau Dry Oak Forest			Marg			
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	South-Central Interior Mesophytic Forest		Suit	Suit	Pref	Pref	
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Southern and Central Appalachian Cove Forest				Pref	Pref	Suit
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Southern and Central Appalachian Oak Forest					Marg	Marg
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Appalachian Hemlock-Hardwood Forest				Suit	Suit	Suit
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg				
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit				
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit				
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Eastern Highland Rim Prairie and Barrens			Suit			
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Pennyrroyal Karst Plain Prairie and Barrens			Suit			
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Southern Ridge and Valley Patch Prairie					Suit	
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Western Highland Rim Prairie and Barrens			Suit			
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond			Suit	Suit	Suit	
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Cumberland Seepage Forest				Suit		
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit				
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Southern and Central Appalachian Bog and Fen					Pref	Pref
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Southern Appalachian Seepage Wetland						Suit
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Western Highland Rim Seepage Fen			Suit			
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Large River Floodplain Forest		Pref				
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Northern Seepage Swamp		Suit				
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit				
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Lower Mississippi River Bottomland and Floodplain Forest		Pref				
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Lower Mississippi River Bottomland Depression		Suit				
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	South-Central Interior Large Floodplain			Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	South-Central Interior Small Stream and Riparian			Suit	Pref	Pref	Pref
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Converted Wetland (Rivine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMABA01060	Sorex longirostris (Southeastern Shrew)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMABA01150	Sorex palustris (Water Shrew)	Southern and Central Appalachian Bog and Fen						Suit
1	Vertebrate - Mammal	AMABA01150	Sorex palustris (Water Shrew)	Southern Appalachian Seepage Wetland						Suit
1	Vertebrate - Mammal	AMABA01150	Sorex palustris (Water Shrew)	South-Central Interior Large Floodplain						Suit
1	Vertebrate - Mammal	AMABA01150	Sorex palustris (Water Shrew)	South-Central Interior Small Stream and Riparian						Pref
1	Vertebrate - Mammal	AMABA01150	Sorex palustris (Water Shrew)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse					Pref	
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Central Interior Acidic Cliff and Talus				Suit		
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Central Interior Calcareous Cliff and Talus				Suit		
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	North-Central Appalachian Acidic Cliff and Talus						Suit
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Southern Appalachian Montane Cliff and Talus					Suit	Suit
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Southern Appalachian Low Mountain Pine Forest				Suit	Marg	Marg
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit	
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit				
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	East Gulf Coastal Plain Limestone Forest		Suit				
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit				
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit				
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit				
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	East Gulf Coastal Plain Northern Mesic Hardwood Forest		Suit				
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Southern Interior Low Plateau Dry Oak Forest			Suit			
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Pref	
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Southern and Central Appalachian Cove Forest				Suit	Suit	Pref
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Southern and Central Appalachian Oak Forest					Suit	Suit
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Appalachian Hemlock-Hardwood Forest				Pref	Pref	Pref
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit				
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Central Interior Highlands Calcareous Glade and Barrens		Marg	Marg			
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Central Interior Highlands Dry Acidic Glade and Barrens		Suit	Marg			
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Nashville Basin Limestone Glade			Marg			
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Marg				
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Marg				
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Eastern Highland Rim Prairie and Barrens			Marg			
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Pennyrroyal Karst Plain Prairie and Barrens			Marg			
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Southern Ridge and Valley Patch Prairie					Suit	
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Western Highland Rim Prairie and Barrens			Marg			
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Mammal	AMAJF05010	Spilogale putorius (Eastern Spotted Skunk)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg



Terrestrial Habitat Preferences										
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	REGIONAL HABITAT PREFERENCE					
					MAP	UGCP	ILP	CPM	RV	SBR
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse			Suit	Suit		
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Central Interior Acidic Cliff and Talus			Suit			
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Central Interior Calcareous Cliff and Talus			Suit			
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	North-Central Appalachian Acidic Cliff and Talus						Suit
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Southern Appalachian Montane Cliff and Talus				Suit	Suit	Suit
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Southern Appalachian Low Mountain Pine Forest			Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Allegheny-Cumberland Dry Oak Forest and Woodland				Pref	Suit	
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	South-Central Interior / Upper Coastal Plain Flatwoods			Marg			
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Limestone Forest			Suit			
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest			Suit			
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Northern Loess Bluff Forest			Pref			
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland			Suit			
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Northern Mesic Hardwood Forest			Suit			
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Southern Interior Low Plateau Dry Oak Forest				Suit		
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	South-Central Interior Mesophytic Forest			Suit	Suit	Suit	Suit
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Southern and Central Appalachian Oak Forest					Pref	Pref
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Appalachian Hemlock-Hardwood Forest				Suit	Suit	Suit
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest			Suit			
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Southern Appalachian Grass and Shrub Bald						Marg
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Appalachian Shale Barrens					Marg	
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Central Interior Highlands Calcareous Glade and Barrens			Marg	Suit	Marg	Marg
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Central Interior Highlands Dry Acidic Glade and Barrens			Marg	Suit		
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Cumberland Sandstone Glade and Barrens					Marg	
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Nashville Basin Limestone Glade				Suit		
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland						Marg
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Southern and Central Appalachian Mafic Glade and Barrens						Marg
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland			Marg			
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens			Marg			
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Eastern Highland Rim Prairie and Barrens				Suit		
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Pennyroyal Karst Plain Prairie and Barrens				Suit		
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Southern Ridge and Valley Patch Prairie						Marg
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Western Highland Rim Prairie and Barrens				Suit		
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Marg	Marg	Marg
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Cumberland Seepage Forest					Marg	
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	South-Central Interior / Upper Coastal Plain Wet Flatwoods			Suit			
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Southern Appalachian Seepage Wetland						Marg
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Large River Floodplain Forest			Pref			
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Northern Seepage Swamp			Marg			
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	East Gulf Coastal Plain Small Stream and River Floodplain Forest			Suit			
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Lower Mississippi River Bottomland and Floodplain Forest			Pref			
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Lower Mississippi River Bottomland Depression			Pref			
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	South-Central Interior Large Floodplain				Suit	Suit	Suit
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	South-Central Interior Small Stream and Riparian			Suit	Suit	Suit	Suit
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Forest Plantation			Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Urban / Suburban Managed Forestland			Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Old Field / Successional			Suit	Suit	Suit	Suit
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Pasture			Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Cropland			Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Urban / Suburban Managed Grassland			Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)			Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Converted Wetland (Palustrine)			Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Converted Wetland (Riverine)			Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADE02040	Crotalus horridus (Timber Rattlesnake)	Converted Wetland (Lacustrine)			Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse				Suit		
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	Southern Appalachian Low Mountain Pine Forest				Marg	Marg	Marg
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	Marg
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	Central and Southern Appalachian Northern Hardwood Forest						Suit
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	South-Central Interior / Upper Coastal Plain Flatwoods			Marg			
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	East Gulf Coastal Plain Limestone Forest			Suit			
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest			Marg			
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	East Gulf Coastal Plain Northern Loess Bluff Forest			Suit			
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland			Marg			
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	East Gulf Coastal Plain Northern Mesic Hardwood Forest			Suit			
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	Southern Interior Low Plateau Dry Oak Forest				Marg		
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	South-Central Interior Mesophytic Forest			Suit	Suit	Suit	Suit
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	Southern and Central Appalachian Cove Forest					Suit	Marg
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	Southern and Central Appalachian Oak Forest						Marg
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	Appalachian Hemlock-Hardwood Forest					Pref	Pref
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest			Marg			
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Suit	Suit	Suit
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	Cumberland Seepage Forest					Suit	
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	South-Central Interior / Upper Coastal Plain Wet Flatwoods			Suit			
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	Southern and Central Appalachian Bog and Fen						Suit
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	Western Highland Rim Seepage Fen				Suit		
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	East Gulf Coastal Plain Large River Floodplain Forest			Pref			
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	East Gulf Coastal Plain Northern Seepage Swamp			Suit			
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	East Gulf Coastal Plain Small Stream and River Floodplain Forest			Pref			
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	South-Central Interior Large Floodplain				Suit	Suit	Suit
1	Vertebrate - Reptile	ARACH01010	Eumeces anthracinus (Coal Skink)	South-Central Interior Small Stream and Riparian			Pref	Pref	Pref	Pref
1	Vertebrate - Reptile	ARAAD02040	Glyptemys mhlenbergii (Bog Turtle)	Southern and Central Appalachian Bog and Fen						Pref
1	Vertebrate - Reptile	ARAAD02040	Glyptemys mhlenbergii (Bog Turtle)	Southern Appalachian Seepage Wetland						Suit

Terrestrial Habitat Preferences											
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	REGIONAL HABITAT PREFERENCE						
					MAP	UGCP	ILP	CPM	RV	SBR	
1	Vertebrate - Reptile	ARAAD02040	Glyptemys muhlenbergii (Bog Turtle)	South-Central Interior Small Stream and Riparian							Suit
1	Vertebrate - Reptile	ARAAD02040	Glyptemys muhlenbergii (Bog Turtle)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARAAD02040	Glyptemys muhlenbergii (Bog Turtle)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARAAD02040	Glyptemys muhlenbergii (Bog Turtle)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse						Marg	
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	North-Central Appalachian Acidic Cliff and Talus							Marg
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Southern Appalachian Montane Cliff and Talus					Marg	Marg	Marg
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Southern Appalachian Low Mountain Pine Forest			Suit		Suit	Suit	Suit
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg	Marg
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	Suit	
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Central and Southern Appalachian Northern Hardwood Forest							Suit
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	South-Central Interior / Upper Coastal Plain Flatwoods			Suit				
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Limestone Forest			Suit				
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest			Suit				
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Northern Loess Bluff Forest			Suit				
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland			Suit				
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Northern Mesic Hardwood Forest			Suit				
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Southern Interior Low Plateau Dry Oak Forest				Suit			
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	South-Central Interior Mesophytic Forest			Suit	Suit	Suit	Suit	
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Southern and Central Appalachian Cove Forest					Suit	Suit	Suit
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Southern and Central Appalachian Oak Forest						Suit	Suit
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Appalachian Hemlock-Hardwood Forest						Marg	Marg
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest			Pref				
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Central Interior Highlands Calcareous Glade and Barrens			Marg	Marg	Marg	Marg	
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Central Interior Highlands Dry Acidic Glade and Barrens			Marg	Marg			
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Cumberland Sandstone Glade and Barrens						Marg	
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Nashville Basin Limestone Glade				Marg			
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland							Marg
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Southern and Central Appalachian Mafic Glade and Barrens							Marg
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland			Suit				
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens			Suit				
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Eastern Highland Rim Prairie and Barrens				Suit			
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Pennyroyal Karst Plain Prairie and Barrens				Suit			
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Southern Ridge and Valley Patch Prairie							Suit
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Western Highland Rim Prairie and Barrens				Suit			
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Suit	Suit	Suit	
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Cumberland Seepage Forest						Marg	
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	South-Central Interior / Upper Coastal Plain Wet Flatwoods			Suit				
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Southern and Central Appalachian Bog and Fen							Marg
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Southern Appalachian Seepage Wetland							Marg
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Large River Floodplain Forest			Suit				
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Northern Seepage Swamp			Suit				
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	East Gulf Coastal Plain Small Stream and River Floodplain Forest			Suit				
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	South-Central Interior Large Floodplain							Suit
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	South-Central Interior Small Stream and Riparian			Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Forest Plantation			Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Urban / Suburban Managed Forestland			Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Old Field / Successional			Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Pasture			Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Cropland			Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Urban / Suburban Managed Grassland			Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADB17020	Heterodon platirhinos (Eastern Hognosed Snake)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)			Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADB21020	Masticophis flagellum (Coachwhip)	South-Central Interior / Upper Coastal Plain Flatwoods			Suit				
1	Vertebrate - Reptile	ARADB21020	Masticophis flagellum (Coachwhip)	East Gulf Coastal Plain Limestone Forest			Suit				
1	Vertebrate - Reptile	ARADB21020	Masticophis flagellum (Coachwhip)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest			Suit				
1	Vertebrate - Reptile	ARADB21020	Masticophis flagellum (Coachwhip)	East Gulf Coastal Plain Northern Loess Bluff Forest			Suit				
1	Vertebrate - Reptile	ARADB21020	Masticophis flagellum (Coachwhip)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland			Suit				
1	Vertebrate - Reptile	ARADB21020	Masticophis flagellum (Coachwhip)	East Gulf Coastal Plain Northern Mesic Hardwood Forest			Suit				
1	Vertebrate - Reptile	ARADB21020	Masticophis flagellum (Coachwhip)	South-Central Interior Mesophytic Forest			Suit				
1	Vertebrate - Reptile	ARADB21020	Masticophis flagellum (Coachwhip)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest			Suit				
1	Vertebrate - Reptile	ARADB21020	Masticophis flagellum (Coachwhip)	Central Interior Highlands Calcareous Glade and Barrens			Suit				
1	Vertebrate - Reptile	ARADB21020	Masticophis flagellum (Coachwhip)	Central Interior Highlands Dry Acidic Glade and Barrens			Suit				
1	Vertebrate - Reptile	ARADB21020	Masticophis flagellum (Coachwhip)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland			Pref				
1	Vertebrate - Reptile	ARADB21020	Masticophis flagellum (Coachwhip)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens			Pref				
1	Vertebrate - Reptile	ARADB21020	Masticophis flagellum (Coachwhip)	Forest Plantation			Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADB21020	Masticophis flagellum (Coachwhip)	Urban / Suburban Managed Forestland			Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADB21020	Masticophis flagellum (Coachwhip)	Old Field / Successional			Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Reptile	ARADB21020	Masticophis flagellum (Coachwhip)	Pasture			Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADB21020	Masticophis flagellum (Coachwhip)	Cropland			Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADB21020	Masticophis flagellum (Coachwhip)	Urban / Suburban Managed Grassland			Marg	Marg	Marg	Marg	Marg
1	Vertebrate - Reptile	ARADB22010	Nerodia cyclopion (Green Water Snake)	South-Central Interior / Upper Coastal Plain Wet Flatwoods			Marg				
1	Vertebrate - Reptile	ARADB22010	Nerodia cyclopion (Green Water Snake)	East Gulf Coastal Plain Large River Floodplain Forest			Pref				
1	Vertebrate - Reptile	ARADB22010	Nerodia cyclopion (Green Water Snake)	East Gulf Coastal Plain Northern Seepage Swamp			Suit				
1	Vertebrate - Reptile	ARADB22010	Nerodia cyclopion (Green Water Snake)	East Gulf Coastal Plain Small Stream and River Floodplain Forest			Pref				
1	Vertebrate - Reptile	ARADB22010	Nerodia cyclopion (Green Water Snake)	Lower Mississippi River Bottomland and Floodplain Forest			Pref				
1	Vertebrate - Reptile	ARADB22010	Nerodia cyclopion (Green Water Snake)	Lower Mississippi River Bottomland Depression			Pref				
1	Vertebrate - Reptile	ARADB22010	Nerodia cyclopion (Green Water Snake)	South-Central Interior Small Stream and Riparian			Pref				
1	Vertebrate - Reptile	ARADB22010	Nerodia cyclopion (Green Water Snake)	Converted Wetland (Palustrine)			Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Reptile	ARADB22010	Nerodia cyclopion (Green Water Snake)	Converted Wetland (Rivine)			Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Reptile	ARADB22010	Nerodia cyclopion (Green Water Snake)	Converted Wetland (Lacustrine)			Suit	Suit	Suit	Suit	Suit
1	Vertebrate - Reptile	ARADB22022	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	South-Central Interior / Upper Coastal Plain Wet Flatwoods			Marg				
1	Vertebrate - Reptile	ARADB22022	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	East Gulf Coastal Plain Large River Floodplain Forest			Pref				
1	Vertebrate - Reptile	ARADB22022	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	East Gulf Coastal Plain Northern Seepage Swamp			Marg				
1	Vertebrate - Reptile	ARADB22022	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	East Gulf Coastal Plain Small Stream and River Floodplain Forest			Pref				
1	Vertebrate - Reptile	ARADB22022	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	Lower Mississippi River Bottomland and Floodplain Forest			Pref				



Terrestrial Habitat Preferences							REGIONAL HABITAT PREFERENCE					
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	MAP	UGCP	ILP	CPM	RV	SBR		
1	Vertebrate - Reptile	ARADB22022	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	Lower Mississippi River Bottomland Depression	Pref							
1	Vertebrate - Reptile	ARADB22022	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	South-Central Interior Small Stream and Riparian		Pref						
1	Vertebrate - Reptile	ARADB22022	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Reptile	ARADB22022	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Reptile	ARADB22022	Nerodia erythrogaster flavigaster (Yellowbelly Water Snake)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Southern Appalachian Low Mountain Pine Forest			Suit	Suit	Suit	Suit		
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit		
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit			
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Central and Southern Appalachian Northern Hardwood Forest						Suit		
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit						
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	East Gulf Coastal Plain Limestone Forest		Suit						
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit						
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit						
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit						
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	East Gulf Coastal Plain Northern Mesic Hardwood Forest		Suit						
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Southern Interior Low Plateau Dry Oak Forest			Suit					
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	South-Central Interior Mesophytic Forest		Suit	Suit					
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Southern and Central Appalachian Cove Forest				Suit	Suit	Suit		
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Southern and Central Appalachian Oak Forest					Suit	Suit		
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Appalachian Hemlock-Hardwood Forest				Marg	Marg	Marg		
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit						
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Appalachian Shale Barrens				Marg	Marg	Marg		
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Central Interior Highlands Calcareous Glade and Barrens		Marg	Marg	Marg	Marg			
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Central Interior Highlands Dry Acidic Glade and Barrens		Marg	Marg					
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Cumberland Sandstone Glade and Barrens				Marg				
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Nashville Basin Limestone Glade			Marg					
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg			
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Pref						
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Pref						
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Eastern Highland Rim Prairie and Barrens			Pref					
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Pennyroyal Karst Plain Prairie and Barrens			Pref					
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Southern Ridge and Valley Patch Prairie					Pref			
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Western Highland Rim Prairie and Barrens			Pref					
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Forest Plantation		Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Urban / Suburban Managed Forestland		Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Old Field / Successional		Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Urban / Suburban Managed Grassland		Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Reptile	ARACB02012	Ophisaurus attenuatus longicaudus (Eastern Slender Glass Lizard)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)		Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Southern Appalachian Low Mountain Pine Forest			Suit	Pref	Pref	Pref		
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Southern Appalachian Montane Pine Forest and Woodland				Suit	Suit	Suit		
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Allegheny-Cumberland Dry Oak Forest and Woodland				Suit	Suit			
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Central and Southern Appalachian Northern Hardwood Forest						Suit		
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Southern Interior Low Plateau Dry Oak Forest			Suit					
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	South-Central Interior Mesophytic Forest			Suit	Suit				
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Southern and Central Appalachian Cove Forest				Marg	Marg	Marg		
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Southern and Central Appalachian Oak Forest					Suit	Suit		
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Appalachian Hemlock-Hardwood Forest				Marg	Marg	Marg		
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Appalachian Shale Barrens				Marg	Marg	Marg		
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Central Interior Highlands Calcareous Glade and Barrens			Marg	Marg	Marg			
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Central Interior Highlands Dry Acidic Glade and Barrens			Marg					
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Cumberland Sandstone Glade and Barrens				Marg				
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Nashville Basin Limestone Glade			Marg					
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland					Marg			
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Southern and Central Appalachian Mafic Glade and Barrens						Marg		
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Eastern Highland Rim Prairie and Barrens			Suit					
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Pennyroyal Karst Plain Prairie and Barrens			Suit					
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Southern Ridge and Valley Patch Prairie					Suit			
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Western Highland Rim Prairie and Barrens				Suit				
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Forest Plantation		Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Urban / Suburban Managed Forestland		Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Old Field / Successional		Suit	Suit	Suit	Suit	Suit		
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Pasture		Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Urban / Suburban Managed Grassland		Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Reptile	ARADB26012	Pituophis melanoleucus melanoleucus (Northern Pine Snake)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)		Marg	Marg	Marg	Marg	Marg		
1	Vertebrate - Reptile	ARADE03023	Sistrurus miliarius streckeri (Western Pigmy Rattlesnake)	Southern Appalachian Low Mountain Pine Forest			Suit					
1	Vertebrate - Reptile	ARADE03023	Sistrurus miliarius streckeri (Western Pigmy Rattlesnake)	South-Central Interior / Upper Coastal Plain Flatwoods			Suit					
1	Vertebrate - Reptile	ARADE03023	Sistrurus miliarius streckeri (Western Pigmy Rattlesnake)	East Gulf Coastal Plain Limestone Forest			Suit					
1	Vertebrate - Reptile	ARADE03023	Sistrurus miliarius streckeri (Western Pigmy Rattlesnake)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest			Suit					
1	Vertebrate - Reptile	ARADE03023	Sistrurus miliarius streckeri (Western Pigmy Rattlesnake)	East Gulf Coastal Plain Northern Loess Bluff Forest			Suit					
1	Vertebrate - Reptile	ARADE03023	Sistrurus miliarius streckeri (Western Pigmy Rattlesnake)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland			Suit					
1	Vertebrate - Reptile	ARADE03023	Sistrurus miliarius streckeri (Western Pigmy Rattlesnake)	East Gulf Coastal Plain Northern Mesic Hardwood Forest			Suit					
1	Vertebrate - Reptile	ARADE03023	Sistrurus miliarius streckeri (Western Pigmy Rattlesnake)	Southern Interior Low Plateau Dry Oak Forest				Suit				
1	Vertebrate - Reptile	ARADE03023	Sistrurus miliarius streckeri (Western Pigmy Rattlesnake)	South-Central Interior Mesophytic Forest			Suit	Suit				
1	Vertebrate - Reptile	ARADE03023	Sistrurus miliarius streckeri (Western Pigmy Rattlesnake)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest			Pref					
1	Vertebrate - Reptile	ARADE03023	Sistrurus miliarius streckeri (Western Pigmy Rattlesnake)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Suit				
1	Vertebrate - Reptile	ARADE03023	Sistrurus miliarius streckeri (Western Pigmy Rattlesnake)	South-Central Interior / Upper Coastal Plain Wet Flatwoods			Suit					
1	Vertebrate - Reptile	ARADE03023	Sistrurus miliarius streckeri (Western Pigmy Rattlesnake)	Western Highland Rim Seepage Fen				Marg				
1	Vertebrate - Reptile	ARADE03023	Sistrurus miliarius streckeri (Western Pigmy Rattlesnake)	East Gulf Coastal Plain Large River Floodplain Forest			Pref					
1	Vertebrate - Reptile	ARADE03023	Sistrurus miliarius streckeri (Western Pigmy Rattlesnake)	East Gulf Coastal Plain Northern Seepage Swamp			Suit					
1	Vertebrate - Reptile	ARADE03023	Sistrurus miliarius streckeri (Western Pigmy Rattlesnake)	East Gulf Coastal Plain Small Stream and River Floodplain Forest			Pref					
1	Vertebrate - Reptile	ARADE03023	Sistrurus miliarius streckeri (Western Pigmy Rattlesnake)	South-Central Interior Large Floodplain				Pref				
1	Vertebrate - Reptile	ARADE03023	Sistrurus miliarius streckeri (Western Pigmy Rattlesnake)	South-Central Interior Small Stream and Riparian			Pref	Suit				
1	Vertebrate - Reptile	ARADB39010	Virginia striatula (Rough Earth Snake)	South-Central Interior / Upper Coastal Plain Flatwoods			Suit					
1	Vertebrate - Reptile	ARADB39010	Virginia striatula (Rough Earth Snake)	East Gulf Coastal Plain Limestone Forest			Suit					
1	Vertebrate - Reptile	ARADB39010	Virginia striatula (Rough Earth Snake)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest			Suit					



Terrestrial Habitat Preferences											
Tier	Taxonomic Group	NS EL CODE	Species Name	Habitat Type	REGIONAL HABITAT PREFERENCE						
					MAP	UGCP	ILP	CPM	RV	SBR	
3	Invertebrate - Insect	IICOL42010	Nicrophorus americanus (American Burying Beetle)	East Gulf Coastal Plain Limestone Forest		Suit					
3	Invertebrate - Insect	IICOL42010	Nicrophorus americanus (American Burying Beetle)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit					
3	Invertebrate - Insect	IICOL42010	Nicrophorus americanus (American Burying Beetle)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit					
3	Invertebrate - Insect	IICOL42010	Nicrophorus americanus (American Burying Beetle)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit					
3	Invertebrate - Insect	IICOL42010	Nicrophorus americanus (American Burying Beetle)	East Gulf Coastal Plain Northern Mesic Hardwood Forest		Suit					
3	Invertebrate - Insect	IICOL42010	Nicrophorus americanus (American Burying Beetle)	South-Central Interior Mesophytic Forest		Suit					
3	Invertebrate - Insect	IICOL42010	Nicrophorus americanus (American Burying Beetle)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit					
3	Invertebrate - Insect	IICOL42010	Nicrophorus americanus (American Burying Beetle)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit					
3	Invertebrate - Insect	IICOL42010	Nicrophorus americanus (American Burying Beetle)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit					
3	Invertebrate - Insect	IICOL42010	Nicrophorus americanus (American Burying Beetle)	Forest Plantation	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Invertebrate - Insect	IICOL42010	Nicrophorus americanus (American Burying Beetle)	Urban / Suburban Managed Forestland	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Invertebrate - Insect	IICOL42010	Nicrophorus americanus (American Burying Beetle)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Invertebrate - Insect	IICOL42010	Nicrophorus americanus (American Burying Beetle)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Invertebrate - Insect	IICOL42010	Nicrophorus americanus (American Burying Beetle)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Invertebrate - Insect	IICOL42010	Nicrophorus americanus (American Burying Beetle)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Vertebrate - Bird	ABNNB03030	Charadrius alexandrinus (Snowy Plover)	Lower Mississippi River Bottomland and Floodplain Forest		Suit					
3	Vertebrate - Bird	ABNNB03030	Charadrius alexandrinus (Snowy Plover)	Lower Mississippi River Bottomland Depression		Pref					
3	Vertebrate - Bird	ABNNB03030	Charadrius alexandrinus (Snowy Plover)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNNB03030	Charadrius alexandrinus (Snowy Plover)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNNB03030	Charadrius alexandrinus (Snowy Plover)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNNB03070	Charadrius melodus melodus (Piping Plover)	Lower Mississippi River Bottomland and Floodplain Forest		Suit					
3	Vertebrate - Bird	ABNNB03070	Charadrius melodus melodus (Piping Plover)	Lower Mississippi River Bottomland Depression		Pref					
3	Vertebrate - Bird	ABNNB03070	Charadrius melodus melodus (Piping Plover)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Vertebrate - Bird	ABNNB03070	Charadrius melodus melodus (Piping Plover)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNNB03070	Charadrius melodus melodus (Piping Plover)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Vertebrate - Bird	ABNNB03070	Charadrius melodus melodus (Piping Plover)	Urban / Suburban Managed Grassland	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Vertebrate - Bird	ABNNB03070	Charadrius melodus melodus (Piping Plover)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Vertebrate - Bird	ABNNB03070	Charadrius melodus melodus (Piping Plover)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNNB03070	Charadrius melodus melodus (Piping Plover)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNNB03070	Charadrius melodus melodus (Piping Plover)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse				Suit			
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Central Interior Acidic Cliff and Talus			Suit				
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Central Interior Calcareous Cliff and Talus			Suit				
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	North-Central Appalachian Acidic Cliff and Talus							Suit
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Southern Appalachian Montane Cliff and Talus				Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Cumberland Acid Cliff				Suit	Suit		
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Southern Interior Calcareous Cliff					Suit	Suit	Suit
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Southern Interior Sinkhole Wall			Suit				
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Central and Southern Appalachian Spruce-Fir Forest							Marg
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Southern Appalachian Low Mountain Pine Forest			Marg	Marg	Marg	Marg	Marg
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Southern Appalachian Montane Pine Forest and Woodland				Marg	Marg	Marg	Marg
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	Marg	
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Central and Southern Appalachian Northern Hardwood Forest							Marg
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Southern Interior Low Plateau Dry Oak Forest			Marg				
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	South-Central Interior Mesophytic Forest			Marg	Marg	Marg		
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Southern and Central Appalachian Cove Forest				Marg	Marg	Marg	
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Southern and Central Appalachian Oak Forest					Marg	Marg	
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Appalachian Hemlock-Hardwood Forest					Marg	Marg	Marg
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Southern Appalachian Grass and Shrub Bald							Marg
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Appalachian Shale Barrens					Marg	Marg	Marg
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Central Interior Highlands Calcareous Glade and Barrens			Marg	Marg	Marg		
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Central Interior Highlands Dry Acidic Glade and Barrens			Marg				
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Cumberland Sandstone Glade and Barrens					Marg		
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Nashville Basin Limestone Glade			Marg				
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Ridge and Valley Calcareous Valley Bottom Glade and Woodland						Marg	
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Southern and Central Appalachian Mafic Glade and Barrens							Marg
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Eastern Highland Rim Prairie and Barrens				Suit			
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Pennyroyal Karst Plain Prairie and Barrens				Suit			
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Southern Ridge and Valley Patch Prairie						Suit	
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Western Highland Rim Prairie and Barrens				Suit			
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	South-Central Interior Large Floodplain					Suit	Suit	Suit
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	South-Central Interior Small Stream and Riparian					Suit	Marg	Marg
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Urban / Suburban Managed Forestland	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Pasture	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Urban / Suburban Managed Grassland	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Excavated Land (Strip Mine / Road Cut / Rock Quarry / Gravel Pit)	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNKD06070	Falco peregrinus (Peregrine Falcon)	Edifice / Other Man-made Structure	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNMK01030	Grus americana (Whooping Crane)	South-Central Interior Large Floodplain						Suit	
3	Vertebrate - Bird	ABNMK01030	Grus americana (Whooping Crane)	South-Central Interior Small Stream and Riparian							Marg
3	Vertebrate - Bird	ABNMK01030	Grus americana (Whooping Crane)	Old Field / Successional	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Vertebrate - Bird	ABNMK01030	Grus americana (Whooping Crane)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Vertebrate - Bird	ABNMK01030	Grus americana (Whooping Crane)	Cropland	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNMK01030	Grus americana (Whooping Crane)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNMK01030	Grus americana (Whooping Crane)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNMK01030	Grus americana (Whooping Crane)	Converted Wetland (Lacustrine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse						Marg	
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	Central Interior Acidic Cliff and Talus				Suit			
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	Central Interior Calcareous Cliff and Talus				Suit			
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	Southern Appalachian Montane Cliff and Talus					Suit	Suit	
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	Cumberland Acid Cliff					Suit	Suit	

Terrestrial Habitat Preferences											
Tier	Taxonomic Group	NS ELCODE	Species Name	Habitat Type	REGIONAL HABITAT PREFERENCE						
					MAP	UGCP	ILP	CPM	RV	SBR	
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	Southern Interior Calcareous Cliff						Suit	
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	Southern Appalachian Low Mountain Pine Forest			Marg	Marg	Marg		
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	Southern Appalachian Montane Pine Forest and Woodland					Marg	Marg	
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	Allegheny-Cumberland Dry Oak Forest and Woodland					Marg	Marg	
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	South-Central Interior / Upper Coastal Plain Flatwoods		Marg					
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	East Gulf Coastal Plain Limestone Forest		Marg					
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Marg					
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit					
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Marg					
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	East Gulf Coastal Plain Northern Mesic Hardwood Forest		Suit					
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	Southern Interior Low Plateau Dry Oak Forest			Marg				
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	South-Central Interior Mesophytic Forest		Suit	Marg	Marg	Marg		
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	Southern and Central Appalachian Cove Forest					Marg	Marg	
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	Southern and Central Appalachian Oak Forest						Marg	
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	Appalachian Hemlock-Hardwood Forest					Marg	Marg	
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Marg					
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Suit					
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	East Gulf Coastal Plain Large River Floodplain Forest		Pref					
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	East Gulf Coastal Plain Northern Seepage Swamp		Suit					
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Pref					
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	Lower Mississippi River Bottomland and Floodplain Forest	Pref						
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	Lower Mississippi River Bottomland Depression	Suit						
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	South-Central Interior Large Floodplain				Pref	Pref	Pref	
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	South-Central Interior Small Stream and Riparian			Marg	Marg	Marg	Marg	
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	Converted Wetland (Palustrine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	Converted Wetland (Riverine)	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNKC10010	Haliaeetus leucocephalus (Bald Eagle)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Allegheny-Cumberland Dry Oak Forest and Woodland					Suit	Suit	
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Central and Southern Appalachian Northern Hardwood Forest							Suit
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	South-Central Interior / Upper Coastal Plain Flatwoods		Suit					
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Limestone Forest		Suit					
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest		Suit					
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Northern Loess Bluff Forest		Suit					
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland		Suit					
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Northern Mesic Hardwood Forest		Suit					
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Southern Interior Low Plateau Dry Oak Forest				Suit			
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	South-Central Interior Mesophytic Forest		Suit	Suit	Suit	Suit		
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Southern and Central Appalachian Cove Forest					Suit	Suit	Suit
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Southern and Central Appalachian Oak Forest					Suit	Suit	
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Appalachian Hemlock-Hardwood Forest					Suit	Suit	Suit
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest		Suit					
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland		Suit					
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Jackson Plain Prairie and Barrens		Suit					
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Eastern Highland Rim Prairie and Barrens				Suit			
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Pennyrroyal Karst Plain Prairie and Barrens				Suit			
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Southern Ridge and Valley Patch Prairie						Suit	
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Western Highland Rim Prairie and Barrens				Suit			
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Central Interior Highlands and Appalachian Sinkhole and Depression Pond				Marg	Marg	Marg	
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Cumberland Seepage Forest					Marg		
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	South-Central Interior / Upper Coastal Plain Wet Flatwoods		Marg					
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Southern and Central Appalachian Bog and Fen						Suit	Suit
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Large River Floodplain Forest		Suit					
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Northern Seepage Swamp		Marg					
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	East Gulf Coastal Plain Small Stream and River Floodplain Forest		Suit					
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Lower Mississippi River Bottomland and Floodplain Forest		Suit					
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Lower Mississippi River Bottomland Depression	Marg						
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	South-Central Interior Large Floodplain				Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	South-Central Interior Small Stream and Riparian			Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Old Field / Successional	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Pasture	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Cropland	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Converted Wetland (Palustrine)	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Converted Wetland (Riverine)	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Vertebrate - Bird	ABNKF19020	Scolopax minor (American Woodcock)	Converted Wetland (Lacustrine)	Marg	Marg	Marg	Marg	Marg	Marg	Marg
3	Vertebrate - Bird	ABNNM08102	Sterna antillarum athalassos (Interior Least Tern)	Lower Mississippi River Bottomland and Floodplain Forest		Suit					
3	Vertebrate - Bird	ABNNM08102	Sterna antillarum athalassos (Interior Least Tern)	Lower Mississippi River Bottomland Depression	Pref						
3	Vertebrate - Bird	ABNNM08102	Sterna antillarum athalassos (Interior Least Tern)	Converted Wetland (Palustrine)		Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNNM08102	Sterna antillarum athalassos (Interior Least Tern)	Converted Wetland (Riverine)		Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Bird	ABNNM08102	Sterna antillarum athalassos (Interior Least Tern)	Converted Wetland (Lacustrine)		Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Mammal	AMACC08012	Corynorhinus townsendii virginianus (Virginia Big-eared Bat)	Central and Southern Appalachian Northern Hardwood Forest							Suit
3	Vertebrate - Mammal	AMACC08012	Corynorhinus townsendii virginianus (Virginia Big-eared Bat)	Southern and Central Appalachian Cove Forest							Suit
3	Vertebrate - Mammal	AMACC08012	Corynorhinus townsendii virginianus (Virginia Big-eared Bat)	Southern and Central Appalachian Oak Forest							Suit
3	Vertebrate - Mammal	AMACC08012	Corynorhinus townsendii virginianus (Virginia Big-eared Bat)	Appalachian Hemlock-Hardwood Forest							Suit
3	Vertebrate - Mammal	AMACC08012	Corynorhinus townsendii virginianus (Virginia Big-eared Bat)	Edifice / Other Man-made Structure	Suit	Suit	Suit	Suit	Suit	Suit	Suit
3	Vertebrate - Mammal	AMAFB09022	Glaucomys sabrinus coloratus (Carolina Northern Flying Squirrel)	Central and Southern Appalachian Spruce-Fir Forest							Pref
3	Vertebrate - Mammal	AMAFB09022	Glaucomys sabrinus coloratus (Carolina Northern Flying Squirrel)	Southern Appalachian Montane Pine Forest and Woodland							Suit
3	Vertebrate - Mammal	AMAFB09022	Glaucomys sabrinus coloratus (Carolina Northern Flying Squirrel)	Central and Southern Appalachian Northern Hardwood Forest							Pref
3	Vertebrate - Mammal	AMAFB09022	Glaucomys sabrinus coloratus (Carolina Northern Flying Squirrel)	Southern and Central Appalachian Cove Forest							Suit
3	Vertebrate - Mammal	AMAFB09022	Glaucomys sabrinus coloratus (Carolina Northern Flying Squirrel)	Southern and Central Appalachian Oak Forest							Suit
3	Vertebrate - Mammal	AMAFB09022	Glaucomys sabrinus coloratus (Carolina Northern Flying Squirrel)	Appalachian Hemlock-Hardwood Forest							Suit
3	Vertebrate - Mammal	AMAEB03010	Lepus americanus (Snowshoe Hare)	Central and Southern Appalachian Spruce-Fir Forest							Pref
3	Vertebrate - Mammal	AMAEB03010	Lepus americanus (Snowshoe Hare)	Southern Appalachian Montane Pine Forest and Woodland							Suit
3	Vertebrate - Mammal	AMAEB03010	Lepus americanus (Snowshoe Hare)	Central and Southern Appalachian Northern Hardwood Forest							Pref
3	Vertebrate - Mammal	AMAEB03010	Lepus americanus (Snowshoe Hare)	Southern and Central Appalachian Cove Forest							Suit
3	Vertebrate - Mammal	AMAEB03010	Lepus americanus (Snowshoe Hare)	Southern and Central Appalachian Oak Forest							Suit







AQUATIC HABITAT PREFERENCES																	
Tier	Taxonomic Group	NS ELCODE	Species Name	TNC'S Freshwater Initiative Aquatic Habitat Classification				Subregional Habitat Preference									
				Sys. Class	Description	MSR: CP	BAR	COR	CUR				TNR				
									LCUR	NB	UCUR	CM	LTNR	NB	CP	RV	BR
1	Invertebrate - Bivalve	IMBIV17020	Fusconaia bamesiana (Tennessee Pigtoe)	D011	ridge and valley streams											Suit	
1	Invertebrate - Bivalve	IMBIV17020	Fusconaia bamesiana (Tennessee Pigtoe)	D015	transitional streams, Cumberland plateau to ridge and valley, escarpment											Suit	
1	Invertebrate - Bivalve	IMBIV17020	Fusconaia bamesiana (Tennessee Pigtoe)	D016	transitional streams, Cumberland plateau to ridge and valley, escarpment											Suit	
1	Invertebrate - Bivalve	IMBIV17020	Fusconaia bamesiana (Tennessee Pigtoe)	D024	Cumberland mountain, plateau streams											Suit	
1	Invertebrate - Bivalve	IMBIV17020	Fusconaia bamesiana (Tennessee Pigtoe)	D030	Highland Rim streams								Pref				
1	Invertebrate - Bivalve	IMBIV17020	Fusconaia bamesiana (Tennessee Pigtoe)	D032	Highland Rim streams								Pref	Suit			
1	Invertebrate - Bivalve	IMBIV17020	Fusconaia bamesiana (Tennessee Pigtoe)	D033	Highland Rim streams								Suit				
1	Invertebrate - Bivalve	IMBIV17020	Fusconaia bamesiana (Tennessee Pigtoe)	D034	Nashville Basin streams									Pref			
1	Invertebrate - Bivalve	IMBIV17020	Fusconaia bamesiana (Tennessee Pigtoe)	D039	transitional streams, Blue Ridge to Ridge and Valley											Suit	
1	Invertebrate - Bivalve	IMBIV17020	Fusconaia bamesiana (Tennessee Pigtoe)	D040	transitional streams, Blue Ridge to Ridge and Valley											Pref	
1	Invertebrate - Bivalve	IMBIV17020	Fusconaia bamesiana (Tennessee Pigtoe)	D042	Blue Ridge foothill streams with limestone contribution				Suit							Suit	
1	Invertebrate - Bivalve	IMBIV17020	Fusconaia bamesiana (Tennessee Pigtoe)	D050	Blue Ridge streams											Suit	
1	Invertebrate - Bivalve	IMBIV17020	Fusconaia bamesiana (Tennessee Pigtoe)	D077	coastal plain streams									Suit			
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley										Pref	Pref	
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley						Pref	Pref	Suit		Pref	Pref	
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley										Pref	Pref	
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley										Pref		
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	C001	small ridge and valley rivers, origin in ridge and valley										Pref		
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	C002	small Ridge and Valley River, origin in the Cumberland Plateau										Suit		
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont										Suit	Pref	
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	C009	small Highland Rim rivers, origin in the Cumberland Plateau							Pref					
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	C010	small Highland Rim rivers, origin in Highland Rim						Suit						
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	C011	small Nashville Basin rivers, origin in Highland Rim									Pref			
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	C012	small Blue Ridge rivers, origin in Blue Ridge											Pref	
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	C017	small Coastal Plain rivers, origin in the Highland Rim/Southern Cumberland Plateau									Suit			
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	C018	small Coastal Plain rivers, origin in Coastal Plain									Suit			
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D002	ridge and valley streams										Pref		
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D004	ridge and valley streams											Suit	
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D005	ridge and valley streams											Suit	
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D006	ridge and valley streams											Suit	
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D007	ridge and valley streams										Suit		
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D008	ridge and valley streams										Pref	Suit	
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D009	ridge and valley streams										Suit	Pref	
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D010	ridge and valley streams										Suit	Pref	
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D011	ridge and valley streams											Suit	
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D015	transitional streams, Cumberland plateau to ridge and valley, escarpment										Suit		
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D019	transitional streams, Cumberland plateau to ridge and valley											Suit	
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D020	ridge and valley streams, few headwaters in plateau sandstones										Suit		
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D024	Cumberland mountain, plateau streams										Suit		
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D030	Highland Rim streams						Suit	Suit					
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D031	Highland Rim streams						Suit						
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D032	Highland Rim streams						Suit	Pref		Pref			
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D033	Highland Rim streams						Suit	Suit	Suit				
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D037	Highland Rim streams							Suit					
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D039	transitional streams, Blue Ridge to Ridge and Valley											Suit	
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D040	transitional streams, Blue Ridge to Ridge and Valley											Pref	
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D042	Blue Ridge foothill streams with limestone contribution											Suit	
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D072	transitional streams, coastal plain to Highland Rim									Suit			
1	Invertebrate - Bivalve	IMBIV17120	Fusconaia subrotunda (Longsolid)	D077	coastal plain streams									Suit			
1	Invertebrate - Bivalve	IMBIV21211	Lampsilis straminea claibornensis (Southern Fatmucket)	D005	ridge and valley streams						Suit						
1	Invertebrate - Bivalve	IMBIV21211	Lampsilis straminea claibornensis (Southern Fatmucket)	D040	transitional streams, Blue Ridge to Ridge and Valley						Suit						
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley										Pref	Pref	
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley										Pref	Suit	
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley										Suit		
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	B007	medium Blue Ridge rivers, origin in the Blue Ridge											Suit	
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	C001	small ridge and valley rivers, origin in ridge and valley										Pref		
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont										Suit	Pref	



AQUATIC HABITAT PREFERENCES															
Tier	Taxonomic Group	NS ELCODE	Species Name	TNC'S Freshwater Initiative Aquatic Habitat Classification						Subregional Habitat Preference					
				Sys. Class	Description	MSR: CP	BAR	COR	CUR			TNR			
									LCUR	NB	UCUR	CM	LTNR	NB	CP
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	C012	small Blue Ridge rivers, origin in Blue Ridge										Pref
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	D003	ridge and valley streams										Pref Suit
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	D005	ridge and valley streams										
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	D007	ridge and valley streams			Pref							Suit
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	D008	ridge and valley streams										Pref Suit
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	D009	ridge and valley streams										Suit
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	D011	ridge and valley streams										Suit
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	D015	transitional streams, Cumberland plateau to ridge and valley, escarpment										Suit
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	D020	ridge and valley streams, few headwaters in plateau sandstones										Pref
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	D029	Highland Rim streams, some headwaters in plateau sandstones							Suit			
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	D030	Highland Rim streams							Pref			
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	D032	Highland Rim streams								Pref		
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	D039	transitional streams, Blue Ridge to Ridge and Valley										Suit
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	D040	transitional streams, Blue Ridge to Ridge and Valley										Pref
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	D042	Blue Ridge foothill streams with limestone contribution										Suit
1	Invertebrate - Bivalve	IMBIV22050	Lasmigona holstonia (Tennessee Heelsplitter)	D050	Blue Ridge streams										Pref
1	Invertebrate - Bivalve	IMBIV22060	Lasmigona subviridis (Green Floater)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont										Suit
1	Invertebrate - Bivalve	IMBIV22060	Lasmigona subviridis (Green Floater)	D044	Blue Ridge streams										Pref
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley									Suit	Pref
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley					Suit		Suit		Pref	Pref
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley										Pref
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley										Suit
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	B005	medium Nashville Basin rivers, origin in the Highland Rim								Pref		
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	C001	small ridge and valley rivers, origin in ridge and valley										Pref
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont										Suit
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	C010	small Highland Rim rivers, origin in Highland Rim								Pref		
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	C011	small Nashville Basin rivers, origin in Highland Rim								Pref	Pref	
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	C012	small Blue Ridge rivers, origin in Blue Ridge										Pref
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	C018	small Coastal Plain rivers, origin in Coastal Plain									Suit	
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	D002	ridge and valley streams										Suit
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	D004	ridge and valley streams										Suit
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	D006	ridge and valley streams										Suit
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	D007	ridge and valley streams										Suit
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	D008	ridge and valley streams										Suit
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	D009	ridge and valley streams										Suit
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	D010	ridge and valley streams									Suit	Suit
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	D011	ridge and valley streams										Suit
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	D015	transitional streams, Cumberland plateau to ridge and valley, escarpment										Suit
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	D027	transitional streams southern Cumberland plateau to Highland Rim										Suit
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	D029	Highland Rim streams, some headwaters in plateau sandstones								Suit		
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	D030	Highland Rim streams							Suit			
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	D031	Highland Rim streams							Suit			
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	D032	Highland Rim streams							Suit			
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	D033	Highland Rim streams							Suit			
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	D034	Nashville Basin streams							Suit		Pref	
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	D040	transitional streams, Blue Ridge to Ridge and Valley										Suit
1	Invertebrate - Bivalve	IMBIV25010	Lexingtonia dolabelloides (Slabside Pearlymussel)	D077	coastal plain streams								Suit		
1	Invertebrate - Bivalve	IMBIV26020	Ligumia recta (Black Sandshell)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley										Pref
1	Invertebrate - Bivalve	IMBIV26020	Ligumia recta (Black Sandshell)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley							Pref	Pref	Pref	Pref
1	Invertebrate - Bivalve	IMBIV26020	Ligumia recta (Black Sandshell)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley										Pref
1	Invertebrate - Bivalve	IMBIV26020	Ligumia recta (Black Sandshell)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley										Pref
1	Invertebrate - Bivalve	IMBIV26020	Ligumia recta (Black Sandshell)	B005	medium Nashville Basin rivers, origin in the Highland Rim							Suit			
1	Invertebrate - Bivalve	IMBIV26020	Ligumia recta (Black Sandshell)	B006	medium Nashville Basin rivers, origin in the Cumberland Mountains/Cumberland Plateau							Suit			
1	Invertebrate - Bivalve	IMBIV26020	Ligumia recta (Black Sandshell)	C001	small ridge and valley rivers, origin in ridge and valley										Pref
1	Invertebrate - Bivalve	IMBIV26020	Ligumia recta (Black Sandshell)	C002	small Ridge and Valley River, origin in the Cumberland Plateau										Suit
1	Invertebrate - Bivalve	IMBIV26020	Ligumia recta (Black Sandshell)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont										Suit
1	Invertebrate - Bivalve	IMBIV26020	Ligumia recta (Black Sandshell)	C005	small Cumberland Mountain/Coal Fields rivers, origin in the Cumberland Mountains								Suit		





AQUATIC HABITAT PREFERENCES																	
Tier	Taxonomic Group	NS ELCODE	Species Name	TNC'S Freshwater Initiative Aquatic Habitat Classification						Subregional Habitat Preference							
				Sys. Class	Description	MSR: CP	BAR	COR	CUR				TNR				
									LCUR	NB	UCUR	CM	LTNR	NB	CP	RV	BR
1	Invertebrate - Bivalve	IMBIV34030	Plethobasus cyphus (Sheepnose)	D098	coastal plain streams, loess veneer over sands	Suit											
1	Invertebrate - Bivalve	IMBIV35070	Pleurobema coccineum (Round Pigtoe)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley										Suit		
1	Invertebrate - Bivalve	IMBIV35070	Pleurobema coccineum (Round Pigtoe)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley				Suit	Pref			Suit				
1	Invertebrate - Bivalve	IMBIV35070	Pleurobema coccineum (Round Pigtoe)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley										Pref		
1	Invertebrate - Bivalve	IMBIV35070	Pleurobema coccineum (Round Pigtoe)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley										Pref		
1	Invertebrate - Bivalve	IMBIV35070	Pleurobema coccineum (Round Pigtoe)	B005	medium Nashville Basin rivers, origin in the Highland Rim						Suit						
1	Invertebrate - Bivalve	IMBIV35070	Pleurobema coccineum (Round Pigtoe)	C001	small ridge and valley rivers, origin in ridge and valley										Pref		
1	Invertebrate - Bivalve	IMBIV35070	Pleurobema coccineum (Round Pigtoe)	C005	small Cumberland Mountain/Coal Fields rivers, origin in the Cumberland Mountains							Suit					
1	Invertebrate - Bivalve	IMBIV35070	Pleurobema coccineum (Round Pigtoe)	C009	small Highland Rim rivers, origin in the Cumberland Plateau						Suit						
1	Invertebrate - Bivalve	IMBIV35070	Pleurobema coccineum (Round Pigtoe)	C010	small Highland Rim rivers, origin in Highland Rim				Suit			Suit					
1	Invertebrate - Bivalve	IMBIV35070	Pleurobema coccineum (Round Pigtoe)	C011	small Nashville Basin rivers, origin in Highland Rim								Suit				
1	Invertebrate - Bivalve	IMBIV35070	Pleurobema coccineum (Round Pigtoe)	D002	ridge and valley streams										Suit		
1	Invertebrate - Bivalve	IMBIV35070	Pleurobema coccineum (Round Pigtoe)	D024	Cumberland mountain, plateau streams							Pref					
1	Invertebrate - Bivalve	IMBIV35070	Pleurobema coccineum (Round Pigtoe)	D030	Highland Rim streams				Suit								
1	Invertebrate - Bivalve	IMBIV35070	Pleurobema coccineum (Round Pigtoe)	D032	Highland Rim streams				Suit		Pref		Suit	Suit			
1	Invertebrate - Bivalve	IMBIV35070	Pleurobema coccineum (Round Pigtoe)	D033	Highland Rim streams				Suit	Suit							
1	Invertebrate - Bivalve	IMBIV35070	Pleurobema coccineum (Round Pigtoe)	D034	Nashville Basin streams					Suit			Suit				
1	Invertebrate - Bivalve	IMBIV35070	Pleurobema coccineum (Round Pigtoe)	D037	Highland Rim streams					Suit							
1	Invertebrate - Bivalve	IMBIV35070	Pleurobema coccineum (Round Pigtoe)	D077	coastal plain streams							Suit					
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley									Pref	Pref	Pref	
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley					Pref	Pref	Pref		Pref			
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley										Pref	Pref	
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley										Pref		
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	B005	medium Nashville Basin rivers, origin in the Highland Rim						Suit		Suit	Suit			
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	B013	medium Gulf Coastal Plain rivers, origin in the Coastal Plain				Suit								
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	C001	small ridge and valley rivers, origin in ridge and valley										Pref		
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	C002	small Ridge and Valley River, origin in the Cumberland Plateau										Pref		
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont										Suit	Pref	
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	C009	small Highland Rim rivers, origin in the Cumberland Plateau							Pref					
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	C010	small Highland Rim rivers, origin in Highland Rim					Suit			Pref				
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	C011	small Nashville Basin rivers, origin in Highland Rim								Suit	Pref			
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	C012	small Blue Ridge rivers, origin in Blue Ridge											Suit	
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	C017	small Coastal Plain rivers, origin in the Highland Rim/Southern Cumberland Plateau								Suit				
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	C018	small Coastal Plain rivers, origin in Coastal Plain								Suit				
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D002	ridge and valley streams										Suit		
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D004	ridge and valley streams										Pref	Suit	
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D005	ridge and valley streams											Suit	
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D006	ridge and valley streams											Suit	
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D008	ridge and valley streams										Suit	Suit	
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D009	ridge and valley streams										Suit	Suit	
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D010	ridge and valley streams										Suit	Suit	Suit
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D015	transitional streams, Cumberland plateau to ridge and valley, escarpment										Pref		
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D020	ridge and valley streams, few headwaters in plateau sandstones										Suit		
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D030	Highland Rim streams					Suit							
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D031	Highland Rim streams					Suit				Suit			
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D032	Highland Rim streams					Pref		Pref		Suit	Suit		
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D033	Highland Rim streams					Suit	Suit	Suit		Pref			
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D034	Nashville Basin streams						Suit			Pref			
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D035	Nashville Basin streams						Suit						
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D037	Highland Rim streams						Suit						
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D038	outer Highland Rim streams												
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D040	transitional streams, Blue Ridge to Ridge and Valley					Pref						Pref	
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D072	transitional streams, coastal plain to Highland Rim									Suit			
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D077	coastal plain streams									Suit			
1	Invertebrate - Bivalve	IMBIV35090	Pleurobema cordatum (Ohio Pigtoe)	D098	coastal plain streams, loess veneer over sands					Suit							
1	Invertebrate - Bivalve	IMBIV35160	Pleurobema hanleyianum (Georgia Pigtoe)	D005	ridge and valley streams						Suit						
1	Invertebrate - Bivalve	IMBIV35160	Pleurobema hanleyianum (Georgia Pigtoe)	D040	transitional streams, Blue Ridge to Ridge and Valley						Pref						

AQUATIC HABITAT PREFERENCES																			
Tier	Taxonomic Group	NS ELCODE	Species Name	TNC'S Freshwater Initiative Aquatic Habitat Classification				Subregional Habitat Preference											
				Sys. Class	Description	MSR: CP	BAR	COR	CUR				TNR						
									LCUR	NB	UCUR	CM	LTNR	NB	CP	RV	BR		
1	Invertebrate - Bivalve	IMBIV35170	Pleurobema johannis (Alabama Pigtoe)	D005	ridge and valley streams			Suit											
1	Invertebrate - Bivalve	IMBIV35170	Pleurobema johannis (Alabama Pigtoe)	D040	transitional streams, Blue Ridge to Ridge and Valley			Suit											
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley											Pref	Suit		
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley								Suit						
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley												Pref	Suit	
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	B005	medium Nashville Basin rivers, origin in the Highland Rim							Suit		Pref					
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	C001	small ridge and valley rivers, origin in ridge and valley													Pref	
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	C002	small Ridge and Valley River, origin in the Cumberland Plateau											Pref			
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont														Pref
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	C006	small Cumberland Plateau rivers, in moderate elevation, origin in Cumberland Plateau											Pref			
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	C010	small Highland Rim rivers, origin in Highland Rim								Pref						
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	C011	small Nashville Basin rivers, origin in Highland Rim										Pref				
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	C012	small Blue Ridge rivers, origin in Blue Ridge														Pref
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	D002	ridge and valley streams													Suit	
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	D003	ridge and valley streams														Suit
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	D004	ridge and valley streams														Pref
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	D007	ridge and valley streams													Suit	
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	D008	ridge and valley streams													Suit	Pref
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	D009	ridge and valley streams														Pref
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	D015	transitional streams, Cumberland plateau to ridge and valley, escarpment													Suit	
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	D016	transitional streams, Cumberland plateau to ridge and valley, escarpment													Suit	
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	D021	ridge and valley streams, few headwaters in plateau sandstones									Pref					
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	D024	Cumberland mountain, plateau streams													Pref	
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	D026	transitional streams Cumberland plateau to Highland Rim							Pref							
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	D027	transitional streams southern Cumberland plateau to Highland Rim														Suit
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	D029	Highland Rim streams, some headwaters in plateau sandstones														Suit
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	D032	Highland Rim streams								Suit	Suit					
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	D034	Nashville Basin streams								Pref		Pref				
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	D040	transitional streams, Blue Ridge to Ridge and Valley														Pref
1	Invertebrate - Bivalve	IMBIV35220	Pleurobema oviforme (Tennessee Clubshell)	D050	Blue Ridge streams														Suit
1	Invertebrate - Bivalve	IMBIV35280	Pleurobema rubellum (Warrior Pigtoe)	D005	ridge and valley streams													Suit	
1	Invertebrate - Bivalve	IMBIV35280	Pleurobema rubellum (Warrior Pigtoe)	D040	transitional streams, Blue Ridge to Ridge and Valley													Suit	
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley												Pref	Pref	Pref
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley							Pref	Pref	Suit		Pref			
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley													Pref	Pref
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley													Suit	
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	B005	medium Nashville Basin rivers, origin in the Highland Rim								Suit						
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	C001	small ridge and valley rivers, origin in ridge and valley													Pref	
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont														Suit
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	C010	small Highland Rim rivers, origin in Highland Rim								Suit						
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	C011	small Nashville Basin rivers, origin in Highland Rim									Pref			Pref		
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	D008	ridge and valley streams														Suit
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	D009	ridge and valley streams														Suit
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	D010	ridge and valley streams														Suit
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	D015	transitional streams, Cumberland plateau to ridge and valley, escarpment														Suit
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	D030	Highland Rim streams								Suit						
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	D031	Highland Rim streams								Suit						
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	D032	Highland Rim streams								Suit						
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	D033	Highland Rim streams									Suit	Suit				
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	D034	Nashville Basin streams														Suit
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	D036	Highland Rim streams														Suit
1	Invertebrate - Bivalve	IMBIV35250	Pleurobema rubrum (Pyramid Pigtoe)	D077	coastal plain streams									Suit					
1	Invertebrate - Bivalve	IMBIV35310	Pleurobema troschelium (Alabama Clubshell)	D005	ridge and valley streams													Suit	
1	Invertebrate - Bivalve	IMBIV35310	Pleurobema troschelium (Alabama Clubshell)	D040	transitional streams, Blue Ridge to Ridge and Valley													Pref	
1	Invertebrate - Bivalve	IMBIV38050	Ptychobranchus subtentum (Fluted Kidneyshell)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley													Suit	Suit
1	Invertebrate - Bivalve	IMBIV38050	Ptychobranchus subtentum (Fluted Kidneyshell)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley								Suit					Suit	Suit
1	Invertebrate - Bivalve	IMBIV38050	Ptychobranchus subtentum (Fluted Kidneyshell)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley													Suit	Pref































				AQUATIC HABITAT PREFERENCES																	
Tier	Taxonomic Group	NS ELCODE	Species Name	TNC'S Freshwater Initiative Aquatic Habitat Classification						Subregional Habitat Preference											
				Sys. Class	Description	MSR: CP	BAR	COR	CUR				TNR								
									LCUR	NB	UCUR	CM	LTNR	NB	CP	RV	BR				
1	Vertebrate - Fish	AFCKA02260	Noturus sp. 3 (Saddled Madtom)	C018	small Coastal Plain rivers, origin in Coastal Plain													Suit			
1	Vertebrate - Fish	AFCKA02260	Noturus sp. 3 (Saddled Madtom)	D030	Highland Rim streams													Suit			
1	Vertebrate - Fish	AFCKA02260	Noturus sp. 3 (Saddled Madtom)	D032	Highland Rim streams													Pref	Suit		
1	Vertebrate - Fish	AFCKA02260	Noturus sp. 3 (Saddled Madtom)	D033	Highland Rim streams													Suit			
1	Vertebrate - Fish	AFCKA02260	Noturus sp. 3 (Saddled Madtom)	D034	Nashville Basin streams														Suit		
1	Vertebrate - Fish	AFCKA02260	Noturus sp. 3 (Saddled Madtom)	D072	transitional streams, coastal plain to Highland Rim													Pref			
1	Vertebrate - Fish	AFCKA02260	Noturus sp. 3 (Saddled Madtom)	D077	coastal plain streams													Suit			
1	Vertebrate - Fish	AFCKA02270	Noturus sp. 4 (Chucky Madtom)	D008	ridge and valley streams																Pref
1	Vertebrate - Fish	AFCKA02220	Noturus stigmosus (Northern Madtom)	A010	large alluvial plain rivers, origin in continental interior					Marg											
1	Vertebrate - Fish	AFCKA02220	Noturus stigmosus (Northern Madtom)	B013	medium Gulf Coastal Plain rivers, origin in the Coastal Plain					Pref											
1	Vertebrate - Fish	AFCKA02220	Noturus stigmosus (Northern Madtom)	C018	small Coastal Plain rivers, origin in Coastal Plain					Suit											
1	Vertebrate - Fish	AFCKA02220	Noturus stigmosus (Northern Madtom)	D077	coastal plain streams					Pref											
1	Vertebrate - Fish	AFCKA02220	Noturus stigmosus (Northern Madtom)	D079	coastal plain streams, transitional to alluvium					Suit											
1	Vertebrate - Fish	AFCKA02220	Noturus stigmosus (Northern Madtom)	D083	coastal plain streams, acidic clays					Suit											
1	Vertebrate - Fish	AFCKA02220	Noturus stigmosus (Northern Madtom)	D085	coastal plain streams, calcareous clays, sands					Pref											
1	Vertebrate - Fish	AFCKA02220	Noturus stigmosus (Northern Madtom)	D098	coastal plain streams, loess veneer over sands					Suit											
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley																Marg
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley														Suit	Suit	
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley														Suit		
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	B007	medium Blue Ridge rivers, origin in the Blue Ridge																Suit
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	C001	small ridge and valley rivers, origin in ridge and valley															Pref	
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	C002	small Ridge and Valley River, origin in the Cumberland Plateau														Pref		
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont																Pref
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	C006	small Cumberland Plateau rivers, in moderate elevation, origin in Cumberland Plateau														Pref		
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	C012	small Blue Ridge rivers, origin in Blue Ridge																Pref
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	D002	ridge and valley streams														Suit		
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	D003	ridge and valley streams																Suit
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	D005	ridge and valley streams																Marg
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	D007	ridge and valley streams																Suit
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	D008	ridge and valley streams															Marg	Marg
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	D009	ridge and valley streams																Marg
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	D010	ridge and valley streams															Marg	
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	D011	ridge and valley streams																Marg
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	D015	transitional streams, Cumberland plateau to ridge and valley, escarpment															Suit	
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	D023	Cumberland mountain streams									Suit							
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	D024	Cumberland mountain, plateau streams															Suit	
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	D025	Cumberland mountain, plateau streams															Suit	
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	D027	transitional streams southern Cumberland plateau to Highland Rim																Marg
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	D039	transitional streams, Blue Ridge to Ridge and Valley																Suit
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	D040	transitional streams, Blue Ridge to Ridge and Valley																Pref
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	D042	Blue Ridge foothill streams with limestone contribution																Suit
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	D044	Blue Ridge streams																Suit
1	Vertebrate - Fish	AFCCQ04020	Percina aurantiaca (Tangerine Darter)	D050	Blue Ridge streams																Suit
1	Vertebrate - Fish	AFCCQ04040	Percina burtoni (Blotchside Logperch)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley															Suit	Suit
1	Vertebrate - Fish	AFCCQ04040	Percina burtoni (Blotchside Logperch)	C001	small ridge and valley rivers, origin in ridge and valley																Suit
1	Vertebrate - Fish	AFCCQ04040	Percina burtoni (Blotchside Logperch)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont																Pref
1	Vertebrate - Fish	AFCCQ04040	Percina burtoni (Blotchside Logperch)	C009	small Highland Rim rivers, origin in the Cumberland Plateau									Suit							
1	Vertebrate - Fish	AFCCQ04040	Percina burtoni (Blotchside Logperch)	C010	small Highland Rim rivers, origin in Highland Rim														Pref		
1	Vertebrate - Fish	AFCCQ04040	Percina burtoni (Blotchside Logperch)	C012	small Blue Ridge rivers, origin in Blue Ridge																Pref
1	Vertebrate - Fish	AFCCQ04040	Percina burtoni (Blotchside Logperch)	D002	ridge and valley streams																Suit
1	Vertebrate - Fish	AFCCQ04040	Percina burtoni (Blotchside Logperch)	D003	ridge and valley streams															Pref	Suit
1	Vertebrate - Fish	AFCCQ04040	Percina burtoni (Blotchside Logperch)	D007	ridge and valley streams																Suit
1	Vertebrate - Fish	AFCCQ04040	Percina burtoni (Blotchside Logperch)	D008	ridge and valley streams																Marg
1	Vertebrate - Fish	AFCCQ04040	Percina burtoni (Blotchside Logperch)	D011	ridge and valley streams																Marg
1	Vertebrate - Fish	AFCCQ04040	Percina burtoni (Blotchside Logperch)	D026	transitional streams Cumberland plateau to Highland Rim															Pref	
1	Vertebrate - Fish	AFCCQ04040	Percina burtoni (Blotchside Logperch)	D030	Highland Rim streams															Suit	
1	Vertebrate - Fish	AFCCQ04040	Percina burtoni (Blotchside Logperch)	D032	Highland Rim streams															Suit	Pref

AQUATIC HABITAT PREFERENCES																				
Tier	Taxonomic Group	NS ELCODE	Species Name	TNC'S Freshwater Initiative Aquatic Habitat Classification				Subregional Habitat Preference												
				Sys. Class	Description	MSR: CP	BAR	COR	CUR				TNR							
									LCUR	NB	UCUR	CM	LTNR	NB	CP	RV	BR			
1	Vertebrate - Fish	AFCQC04040	Percina burtoni (Blotchside Logperch)	D033	Highland Rim streams										Pref					
1	Vertebrate - Fish	AFCQC04040	Percina burtoni (Blotchside Logperch)	D040	transitional streams, Blue Ridge to Ridge and Valley															Pref
1	Vertebrate - Fish	AFCQC04040	Percina burtoni (Blotchside Logperch)	D050	Blue Ridge streams															Suit
1	Vertebrate - Fish	AFCQC04120	Percina macrocephala (Longhead Darter)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley															Pref
1	Vertebrate - Fish	AFCQC04120	Percina macrocephala (Longhead Darter)	C001	small ridge and valley rivers, origin in ridge and valley															Suit
1	Vertebrate - Fish	AFCQC04120	Percina macrocephala (Longhead Darter)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont															Pref
1	Vertebrate - Fish	AFCQC04120	Percina macrocephala (Longhead Darter)	C006	small Cumberland Plateau rivers, in moderate elevation, origin in Cumberland Plateau															Suit
1	Vertebrate - Fish	AFCQC04120	Percina macrocephala (Longhead Darter)	C009	small Highland Rim rivers, origin in the Cumberland Plateau								Suit							
1	Vertebrate - Fish	AFCQC04120	Percina macrocephala (Longhead Darter)	D003	ridge and valley streams															Suit
1	Vertebrate - Fish	AFCQC04120	Percina macrocephala (Longhead Darter)	D005	ridge and valley streams															Suit
1	Vertebrate - Fish	AFCQC04120	Percina macrocephala (Longhead Darter)	D007	ridge and valley streams															Suit
1	Vertebrate - Fish	AFCQC04120	Percina macrocephala (Longhead Darter)	D010	ridge and valley streams															Suit
1	Vertebrate - Fish	AFCQC04120	Percina macrocephala (Longhead Darter)	D024	Cumberland mountain, plateau streams															Pref
1	Vertebrate - Fish	AFCQC04120	Percina macrocephala (Longhead Darter)	D030	Highland Rim streams															Pref
1	Vertebrate - Fish	AFCQC04120	Percina macrocephala (Longhead Darter)	D032	Highland Rim streams									Suit						Pref
1	Vertebrate - Fish	AFCQC04120	Percina macrocephala (Longhead Darter)	D033	Highland Rim streams										Pref					
1	Vertebrate - Fish	AFCQC04120	Percina macrocephala (Longhead Darter)	D039	transitional streams, Blue Ridge to Ridge and Valley															Pref
1	Vertebrate - Fish	AFCQC04120	Percina macrocephala (Longhead Darter)	D040	transitional streams, Blue Ridge to Ridge and Valley															Pref
1	Vertebrate - Fish	AFCQC04120	Percina macrocephala (Longhead Darter)	D044	Blue Ridge streams															Suit
1	Vertebrate - Fish	AFCQC04230	Percina phoxocephala (Slenderhead Darter)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley								Suit							Pref
1	Vertebrate - Fish	AFCQC04230	Percina phoxocephala (Slenderhead Darter)	B005	medium Nashville Basin rivers, origin in the Highland Rim								Suit							Suit
1	Vertebrate - Fish	AFCQC04230	Percina phoxocephala (Slenderhead Darter)	C009	small Highland Rim rivers, origin in the Cumberland Plateau									Suit						
1	Vertebrate - Fish	AFCQC04230	Percina phoxocephala (Slenderhead Darter)	C010	small Highland Rim rivers, origin in Highland Rim								Pref							
1	Vertebrate - Fish	AFCQC04230	Percina phoxocephala (Slenderhead Darter)	C011	small Nashville Basin rivers, origin in Highland Rim									Suit						Pref
1	Vertebrate - Fish	AFCQC04230	Percina phoxocephala (Slenderhead Darter)	C018	small Coastal Plain rivers, origin in Coastal Plain															Suit
1	Vertebrate - Fish	AFCQC04230	Percina phoxocephala (Slenderhead Darter)	D026	transitional streams Cumberland plateau to Highland Rim										Pref					
1	Vertebrate - Fish	AFCQC04230	Percina phoxocephala (Slenderhead Darter)	D030	Highland Rim streams								Suit							
1	Vertebrate - Fish	AFCQC04230	Percina phoxocephala (Slenderhead Darter)	D032	Highland Rim streams								Suit		Suit					Pref
1	Vertebrate - Fish	AFCQC04230	Percina phoxocephala (Slenderhead Darter)	D034	Nashville Basin streams									Suit						Suit
1	Vertebrate - Fish	AFCQC04230	Percina phoxocephala (Slenderhead Darter)	D036	Highland Rim streams								Pref	Suit						
1	Vertebrate - Fish	AFCQC04230	Percina phoxocephala (Slenderhead Darter)	D038	outer Highland Rim streams								Suit							
1	Vertebrate - Fish	AFCQC04X30	Percina sp. 3 (Muscadine Darter)	D040	transitional streams, Blue Ridge to Ridge and Valley									Suit						
1	Vertebrate - Fish	AFCQC04280	Percina squamata (Olive Darter)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley															Suit
1	Vertebrate - Fish	AFCQC04280	Percina squamata (Olive Darter)	C002	small Ridge and Valley River, origin in the Cumberland Plateau															Suit
1	Vertebrate - Fish	AFCQC04280	Percina squamata (Olive Darter)	C006	small Cumberland Plateau rivers, in moderate elevation, origin in Cumberland Plateau															Pref
1	Vertebrate - Fish	AFCQC04280	Percina squamata (Olive Darter)	D024	Cumberland mountain, plateau streams										Suit					Marg
1	Vertebrate - Fish	AFCQC04330	Percina stictogaster (Frecklebelly Darter)	D030	Highland Rim streams								Pref							
1	Vertebrate - Fish	AFCQC04330	Percina stictogaster (Frecklebelly Darter)	D032	Highland Rim streams								Suit		Pref					
1	Vertebrate - Fish	AFCQC04330	Percina stictogaster (Frecklebelly Darter)	D033	Highland Rim streams										Pref					
1	Vertebrate - Fish	AFCJB31070	Phoxinus saylori (Laurel Dace)	D015	transitional streams, Cumberland plateau to ridge and valley, escarpment															Pref
1	Vertebrate - Fish	AFCJB31060	Phoxinus tennesseensis (Tennessee Dace)	D004	ridge and valley streams															Pref
1	Vertebrate - Fish	AFCJB31060	Phoxinus tennesseensis (Tennessee Dace)	D007	ridge and valley streams															Pref
1	Vertebrate - Fish	AFCJB31060	Phoxinus tennesseensis (Tennessee Dace)	D008	ridge and valley streams															Pref
1	Vertebrate - Fish	AFCJB31060	Phoxinus tennesseensis (Tennessee Dace)	D010	ridge and valley streams															Suit
1	Vertebrate - Fish	AFCJB31060	Phoxinus tennesseensis (Tennessee Dace)	D011	ridge and valley streams															Pref
1	Vertebrate - Fish	AFCJB31060	Phoxinus tennesseensis (Tennessee Dace)	D015	transitional streams, Cumberland plateau to ridge and valley, escarpment															Pref
1	Vertebrate - Fish	AFCJB31060	Phoxinus tennesseensis (Tennessee Dace)	D016	transitional streams, Cumberland plateau to ridge and valley, escarpment															Pref
1	Vertebrate - Fish	AFCJB31060	Phoxinus tennesseensis (Tennessee Dace)	D019	transitional streams, Cumberland plateau to ridge and valley															Suit
1	Vertebrate - Fish	AFCJB31060	Phoxinus tennesseensis (Tennessee Dace)	D020	ridge and valley streams, few headwaters in plateau sandstones															Suit
1	Vertebrate - Fish	AFCJB31060	Phoxinus tennesseensis (Tennessee Dace)	D024	Cumberland mountain, plateau streams															Pref
1	Vertebrate - Fish	AFCJB31060	Phoxinus tennesseensis (Tennessee Dace)	D040	transitional streams, Blue Ridge to Ridge and Valley															Pref
1	Vertebrate - Fish	AFCJB31060	Phoxinus tennesseensis (Tennessee Dace)	D042	Blue Ridge foothill streams with limestone contribution															Suit
1	Vertebrate - Fish	AFCJB31060	Phoxinus tennesseensis (Tennessee Dace)	D050	Blue Ridge streams															Pref
1	Vertebrate - Fish	AFCJC13010	Thoburnia atripinnis (Blackfin Sucker)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley										Pref					
1	Vertebrate - Fish	AFCJC13010	Thoburnia atripinnis (Blackfin Sucker)	D032	Highland Rim streams								Suit		Pref					
1	Vertebrate - Fish	AFCJC13010	Thoburnia atripinnis (Blackfin Sucker)	D033	Highland Rim streams										Pref					
1	Vertebrate - Fish	AFCJC13010	Thoburnia atripinnis (Blackfin Sucker)	D035	Nashville Basin streams										Suit					





AQUATIC HABITAT PREFERENCES																		
Tier	Taxonomic Group	NS ELCODE	Species Name	TNC'S Freshwater Initiative Aquatic Habitat Classification				Subregional Habitat Preference										
				Sys. Class	Description	MSR: CP	BAR	COR	CUR				TNR					
									LCUR	NB	UCUR	CM	LTNR	NB	CP	RV	BR	
3	Invertebrate - Bivalve	IMBIV10020	Cyprogenia stegaria (Eastern Fanshell Pearlymussel)	D077	coastal plain streams										Marg			
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley										Suit	Suit	Marg	
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley					Pref	Pref	Suit		Suit				
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley											Pref	Suit	
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley											Suit		
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	C001	small ridge and valley rivers, origin in ridge and valley											Pref		
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont											Suit	Pref	
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	C009	small Highland Rim rivers, origin in the Cumberland Plateau							Suit						
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	C010	small Highland Rim rivers, origin in Highland Rim							Suit						
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	C011	small Nashville Basin rivers, origin in Highland Rim										Pref			
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	D002	ridge and valley streams											Suit		
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	D005	ridge and valley streams												Marg	
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	D007	ridge and valley streams											Suit		
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	D008	ridge and valley streams												Marg	
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	D009	ridge and valley streams												Marg	
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	D010	ridge and valley streams											Marg	Marg	Marg
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	D015	transitional streams, Cumberland plateau to ridge and valley, escarpment											Marg		
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	D020	ridge and valley streams, few headwaters in plateau sandstones											Suit		
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	D024	Cumberland mountain, plateau streams											Marg		
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	D027	transitional streams southern Cumberland plateau to Highland Rim												Marg	
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	D031	Highland Rim streams											Marg		
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	D032	Highland Rim streams											Marg		
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	D033	Highland Rim streams											Suit	Marg	
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	D037	Highland Rim streams											Marg		
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	D040	transitional streams, Blue Ridge to Ridge and Valley												Pref	
3	Invertebrate - Bivalve	IMBIV12010	Dromus dromas (Dromedary Pearlymussel)	D077	coastal plain streams											Marg		
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley											Suit	Suit	Suit
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley					Pref	Pref	Suit		Suit				
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley											Suit	Pref	Suit
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley												Pref	
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	B005	medium Nashville Basin rivers, origin in the Highland Rim							Suit						
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	B007	medium Blue Ridge rivers, origin in the Blue Ridge												Suit	
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	C001	small ridge and valley rivers, origin in ridge and valley												Pref	
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	C005	small Cumberland Mountain/Coal Fields rivers, origin in the Cumberland Mountains											Pref		
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	C009	small Highland Rim rivers, origin in the Cumberland Plateau							Suit						
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	C010	small Highland Rim rivers, origin in Highland Rim							Suit						
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	C011	small Nashville Basin rivers, origin in Highland Rim							Suit			Pref	Pref		
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	C018	small Coastal Plain rivers, origin in Coastal Plain											Suit		
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	D002	ridge and valley streams												Suit	
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	D005	ridge and valley streams												Suit	
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	D007	ridge and valley streams												Suit	
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	D008	ridge and valley streams												Suit	
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	D015	transitional streams, Cumberland plateau to ridge and valley, escarpment												Suit	
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	D024	Cumberland mountain, plateau streams											Suit		
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	D027	transitional streams southern Cumberland plateau to Highland Rim												Suit	
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	D030	Highland Rim streams							Marg	Marg					
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	D032	Highland Rim streams							Marg	Marg	Suit		Suit	Suit	
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	D033	Highland Rim streams							Marg	Marg	Suit		Suit		
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	D034	Nashville Basin streams											Suit		
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	D035	Nashville Basin streams											Marg		
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	D036	Highland Rim streams							Marg						
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	D037	Highland Rim streams								Marg					
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	D038	outer Highland Rim streams							Suit						
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	D040	transitional streams, Blue Ridge to Ridge and Valley												Suit	
3	Invertebrate - Bivalve	IMBIV16030	Epioblasma brevidens (Cumberlandian Combshell)	D077	coastal plain streams											Suit		
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley											Suit	Pref	Suit
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley					Pref		Pref						

				AQUATIC HABITAT PREFERENCES																
Tier	Taxonomic Group	NS ELCODE	Species Name	TNC'S Freshwater Initiative Aquatic Habitat Classification						Subregional Habitat Preference										
				Sys. Class	Description	MSR: CP	BAR	COR	CUR				TNR							
									LCUR	NB	UCUR	CM	LTNR	NB	CP	RV	BR			
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley												Suit	Pref		
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley													Pref		
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	B006	medium Nashville Basin rivers, origin in the Cumberland Mountains/Cumberland Plateau								Pref							
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	C001	small ridge and valley rivers, origin in ridge and valley													Pref		
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont													Suit	Suit	
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	C005	small Cumberland Mountain/Coal Fields rivers, origin in the Cumberland Mountains									Pref						
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	C009	small Highland Rim rivers, origin in the Cumberland Plateau								Suit							
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	C010	small Highland Rim rivers, origin in Highland Rim										Pref					
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	C011	small Nashville Basin rivers, origin in Highland Rim									Pref	Pref					
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	D002	ridge and valley streams													Pref		
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	D005	ridge and valley streams													Suit		
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	D007	ridge and valley streams													Pref		
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	D008	ridge and valley streams													Suit	Suit	
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	D010	ridge and valley streams													Suit	Suit	
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	D015	transitional streams, Cumberland plateau to ridge and valley, escarpment													Suit	Suit	
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	D024	Cumberland mountain, plateau streams									Suit						
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	D030	Highland Rim streams								Suit							
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	D032	Highland Rim streams								Suit							
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	D033	Highland Rim streams									Suit						
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	D034	Nashville Basin streams													Suit		
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	D036	Highland Rim streams								Suit							
3	Invertebrate - Bivalve	IMBIV16040	Epioblasma capsaeformis (Oyster Mussel)	D040	transitional streams, Blue Ridge to Ridge and Valley														Pref	
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley													Suit	Suit	Pref
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley								Pref	Pref						
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley														Pref	Pref
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley														Pref	
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	B005	medium Nashville Basin rivers, origin in the Highland Rim									Pref						
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	C001	small ridge and valley rivers, origin in ridge and valley														Pref	
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont														Suit	
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	C005	small Cumberland Mountain/Coal Fields rivers, origin in the Cumberland Mountains										Pref					
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	C009	small Highland Rim rivers, origin in the Cumberland Plateau									Suit						
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	C010	small Highland Rim rivers, origin in Highland Rim								Pref							
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	C011	small Nashville Basin rivers, origin in Highland Rim									Pref						
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	C012	small Blue Ridge rivers, origin in Blue Ridge										Pref	Pref				Pref
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	D002	ridge and valley streams														Suit	
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	D007	ridge and valley streams														Suit	
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	D008	ridge and valley streams														Suit	
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	D010	ridge and valley streams														Suit	
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	D011	ridge and valley streams															Suit
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	D015	transitional streams, Cumberland plateau to ridge and valley, escarpment														Suit	
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	D024	Cumberland mountain, plateau streams										Suit					
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	D029	Highland Rim streams, some headwaters in plateau sandstones										Suit					
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	D030	Highland Rim streams								Suit							
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	D032	Highland Rim streams								Suit							
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	D033	Highland Rim streams								Pref							
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	D034	Nashville Basin streams														Pref	
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	D036	Highland Rim streams								Suit	Suit						
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	D037	Highland Rim streams									Suit						
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	D038	outer Highland Rim streams								Suit							
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	D040	transitional streams, Blue Ridge to Ridge and Valley															Pref
3	Invertebrate - Bivalve	IMBIV16062	Epioblasma florentina walkeri (Tan Riffeshell)	D050	Blue Ridge streams															Pref
3	Invertebrate - Bivalve	IMBIV16111	Epioblasma obliquata obliquata (Catspaw or Purple Cat's Paw Pearly Mussel)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley														Suit	
3	Invertebrate - Bivalve	IMBIV16111	Epioblasma obliquata obliquata (Catspaw or Purple Cat's Paw Pearly Mussel)	B006	medium Nashville Basin rivers, origin in the Cumberland Mountains/Cumberland Plateau														Pref	
3	Invertebrate - Bivalve	IMBIV16111	Epioblasma obliquata obliquata (Catspaw or Purple Cat's Paw Pearly Mussel)	C009	small Highland Rim rivers, origin in the Cumberland Plateau														Suit	
3	Invertebrate - Bivalve	IMBIV16111	Epioblasma obliquata obliquata (Catspaw or Purple Cat's Paw Pearly Mussel)	C010	small Highland Rim rivers, origin in Highland Rim								Suit							
3	Invertebrate - Bivalve	IMBIV16111	Epioblasma obliquata obliquata (Catspaw or Purple Cat's Paw Pearly Mussel)	D030	Highland Rim streams								Suit							
3	Invertebrate - Bivalve	IMBIV16111	Epioblasma obliquata obliquata (Catspaw or Purple Cat's Paw Pearly Mussel)	D032	Highland Rim streams								Pref	Suit	Suit					









AQUATIC HABITAT PREFERENCES																			
Tier	Taxonomic Group	NS ELCODE	Species Name	TNC'S Freshwater Initiative Aquatic Habitat Classification				Subregional Habitat Preference											
				Sys. Class	Description	MSR: CP	BAR	COR	CUR			TNR							
									LCUR	NB	UCUR	CM	LTNR	NB	CP	RV	BR		
3	Invertebrate - Bivalve	IMBIV34010	Plethobasus cicatricosus (White Wartyback)	D032	Highland Rim streams				Suit		Suit								
3	Invertebrate - Bivalve	IMBIV34010	Plethobasus cicatricosus (White Wartyback)	D033	Highland Rim streams						Suit			Suit					
3	Invertebrate - Bivalve	IMBIV34010	Plethobasus cicatricosus (White Wartyback)	D037	Highland Rim streams						Pref								
3	Invertebrate - Bivalve	IMBIV34010	Plethobasus cicatricosus (White Wartyback)	D072	transitional streams, coastal plain to Highland Rim									Suit					
3	Invertebrate - Bivalve	IMBIV34010	Plethobasus cicatricosus (White Wartyback)	D077	coastal plain streams									Pref					
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley											Pref	Pref	Suit	
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley						Pref	Suit		Pref					
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley												Pref	Suit	
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley												Pref		
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	C001	small ridge and valley rivers, origin in ridge and valley												Pref		
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont													Suit	Suit
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	C011	small Nashville Basin rivers, origin in Highland Rim									Pref	Suit				
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	C017	small Coastal Plain rivers, origin in the Highland Rim/Southern Cumberland Plateau									Suit					
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	C018	small Coastal Plain rivers, origin in Coastal Plain									Suit					
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	D002	ridge and valley streams												Pref		
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	D004	ridge and valley streams													Pref	
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	D006	ridge and valley streams													Suit	
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	D007	ridge and valley streams													Suit	
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	D008	ridge and valley streams													Suit	Suit
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	D010	ridge and valley streams												Suit	Suit	Suit
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	D015	transitional streams, Cumberland plateau to ridge and valley, escarpment												Suit		
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	D020	ridge and valley streams, few headwaters in plateau sandstones												Pref		
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	D024	Cumberland mountain, plateau streams												Suit		
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	D027	transitional streams southern Cumberland plateau to Highland Rim													Suit	
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	D032	Highland Rim streams									Suit					
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	D033	Highland Rim streams						Suit	Suit		Suit					
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	D034	Nashville Basin streams											Suit			
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	D037	Highland Rim streams						Pref								
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	D072	transitional streams, coastal plain to Highland Rim									Suit					
3	Invertebrate - Bivalve	IMBIV34020	Plethobasus cooperianus (Orange-foot Pimpleback)	D077	coastal plain streams									Pref					
3	Invertebrate - Bivalve	IMBIV35060	Pleurobema clava (Clubshell)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley												Suit	Pref	
3	Invertebrate - Bivalve	IMBIV35060	Pleurobema clava (Clubshell)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley						Pref	Pref	Pref		Pref				
3	Invertebrate - Bivalve	IMBIV35060	Pleurobema clava (Clubshell)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley													Suit	
3	Invertebrate - Bivalve	IMBIV35060	Pleurobema clava (Clubshell)	C002	small Ridge and Valley River, origin in the Cumberland Plateau												Pref		
3	Invertebrate - Bivalve	IMBIV35060	Pleurobema clava (Clubshell)	C009	small Highland Rim rivers, origin in the Cumberland Plateau							Suit							
3	Invertebrate - Bivalve	IMBIV35060	Pleurobema clava (Clubshell)	C010	small Highland Rim rivers, origin in Highland Rim						Suit								
3	Invertebrate - Bivalve	IMBIV35060	Pleurobema clava (Clubshell)	C017	small Coastal Plain rivers, origin in the Highland Rim/Southern Cumberland Plateau									Suit					
3	Invertebrate - Bivalve	IMBIV35060	Pleurobema clava (Clubshell)	D008	ridge and valley streams													Suit	
3	Invertebrate - Bivalve	IMBIV35060	Pleurobema clava (Clubshell)	D030	Highland Rim streams						Suit								
3	Invertebrate - Bivalve	IMBIV35060	Pleurobema clava (Clubshell)	D031	Highland Rim streams						Suit								
3	Invertebrate - Bivalve	IMBIV35060	Pleurobema clava (Clubshell)	D032	Highland Rim streams						Suit		Suit						
3	Invertebrate - Bivalve	IMBIV35060	Pleurobema clava (Clubshell)	D033	Highland Rim streams							Suit	Suit		Suit				
3	Invertebrate - Bivalve	IMBIV35060	Pleurobema clava (Clubshell)	D038	outer Highland Rim streams						Suit								
3	Invertebrate - Bivalve	IMBIV35060	Pleurobema clava (Clubshell)	D072	transitional streams, coastal plain to Highland Rim									Suit					
3	Invertebrate - Bivalve	IMBIV35060	Pleurobema clava (Clubshell)	D077	coastal plain streams									Pref					
3	Invertebrate - Bivalve	IMBIV35140	Pleurobema georgianum (Southern Pigtoe)	D005	ridge and valley streams						Suit								
3	Invertebrate - Bivalve	IMBIV35140	Pleurobema georgianum (Southern Pigtoe)	D040	transitional streams, Blue Ridge to Ridge and Valley						Pref								
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley												Pref	Pref	Suit
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley						Pref	Suit	Suit		Pref				
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley													Pref	Pref
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley													Suit	
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	C001	small ridge and valley rivers, origin in ridge and valley													Suit	
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont													Suit	Suit
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	C009	small Highland Rim rivers, origin in the Cumberland Plateau								Pref						
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	C010	small Highland Rim rivers, origin in Highland Rim						Suit								
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	C011	small Nashville Basin rivers, origin in Highland Rim									Suit	Suit				
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	C017	small Coastal Plain rivers, origin in the Highland Rim/Southern Cumberland Plateau									Suit					

AQUATIC HABITAT PREFERENCES																		
Tier	Taxonomic Group	NS ELCODE	Species Name	TNC'S Freshwater Initiative Aquatic Habitat Classification					Subregional Habitat Preference									
				Sys. Class	Description	MSR: CP	BAR	COR	CUR				TNR					
									LCUR	NB	UCUR	CM	LTNR	NB	CP	RV	BR	
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	D007	ridge and valley streams												Suit	
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	D008	ridge and valley streams													Suit
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	D010	ridge and valley streams												Suit	
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	D015	transitional streams, Cumberland plateau to ridge and valley, escarpment												Suit	
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	D026	transitional streams Cumberland plateau to Highland Rim							Pref						
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	D029	Highland Rim streams, some headwaters in plateau sandstones							Pref			Pref			
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	D030	Highland Rim streams							Suit						
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	D031	Highland Rim streams							Suit						
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	D032	Highland Rim streams							Suit			Suit	Suit		
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	D033	Highland Rim streams							Suit	Suit		Suit			
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	D038	outer Highland Rim streams							Suit						
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	D040	transitional streams, Blue Ridge to Ridge and Valley													Suit
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	D072	transitional streams, coastal plain to Highland Rim											Suit		
3	Invertebrate - Bivalve	IMBIV35150	Pleurobema gibberum (Cumberland Pigtoe)	D077	coastal plain streams										Suit			
3	Invertebrate - Bivalve	IMBIV35230	Pleurobema perovatium (Ovate Clubshell)	D005	ridge and valley streams							Suit						
3	Invertebrate - Bivalve	IMBIV35230	Pleurobema perovatium (Ovate Clubshell)	D040	transitional streams, Blue Ridge to Ridge and Valley							Pref						
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley											Pref	Pref	Suit
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley							Pref	Pref	Pref		Pref		
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley											Suit	Pref	Pref
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley												Pref	
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	C001	small ridge and valley rivers, origin in ridge and valley												Pref	
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	C002	small Ridge and Valley River, origin in the Cumberland Plateau											Suit		
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont												Suit	
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	C010	small Highland Rim rivers, origin in Highland Rim							Suit						
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	C017	small Coastal Plain rivers, origin in the Highland Rim/Southern Cumberland Plateau										Suit			
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	C018	small Coastal Plain rivers, origin in Coastal Plain										Suit			
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	D002	ridge and valley streams												Suit	
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	D004	ridge and valley streams													Suit
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	D006	ridge and valley streams													Suit
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	D008	ridge and valley streams													Suit
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	D009	ridge and valley streams												Suit	
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	D010	ridge and valley streams												Suit	Suit
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	D015	transitional streams, Cumberland plateau to ridge and valley, escarpment												Suit	Suit
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	D020	ridge and valley streams, few headwaters in plateau sandstones												Suit	
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	D030	Highland Rim streams							Suit						
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	D031	Highland Rim streams							Suit						
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	D032	Highland Rim streams							Suit	Suit	Suit				
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	D033	Highland Rim streams							Suit	Suit	Suit		Suit		
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	D035	Nashville Basin streams													
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	D037	Highland Rim streams													
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	D072	transitional streams, coastal plain to Highland Rim											Suit		
3	Invertebrate - Bivalve	IMBIV35240	Pleurobema plenum (Rough Pigtoe)	D077	coastal plain streams											Suit		
3	Invertebrate - Bivalve	IMBIV38020	Ptychobranthus greeni (Triangular Kidneyshell)	D005	ridge and valley streams													
3	Invertebrate - Bivalve	IMBIV38020	Ptychobranthus greeni (Triangular Kidneyshell)	D040	transitional streams, Blue Ridge to Ridge and Valley													
3	Invertebrate - Bivalve	IMBIV39042	Quadrula cylindrica strigillata (Rough Rabbitsfoot Pearlymussel)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley												Suit	
3	Invertebrate - Bivalve	IMBIV39042	Quadrula cylindrica strigillata (Rough Rabbitsfoot Pearlymussel)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley													Suit
3	Invertebrate - Bivalve	IMBIV39042	Quadrula cylindrica strigillata (Rough Rabbitsfoot Pearlymussel)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley												Suit	
3	Invertebrate - Bivalve	IMBIV39042	Quadrula cylindrica strigillata (Rough Rabbitsfoot Pearlymussel)	C001	small ridge and valley rivers, origin in ridge and valley												Pref	
3	Invertebrate - Bivalve	IMBIV39042	Quadrula cylindrica strigillata (Rough Rabbitsfoot Pearlymussel)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont													Pref
3	Invertebrate - Bivalve	IMBIV39042	Quadrula cylindrica strigillata (Rough Rabbitsfoot Pearlymussel)	D002	ridge and valley streams												Suit	
3	Invertebrate - Bivalve	IMBIV39042	Quadrula cylindrica strigillata (Rough Rabbitsfoot Pearlymussel)	D007	ridge and valley streams												Suit	Suit
3	Invertebrate - Bivalve	IMBIV39042	Quadrula cylindrica strigillata (Rough Rabbitsfoot Pearlymussel)	D008	ridge and valley streams													Suit
3	Invertebrate - Bivalve	IMBIV39050	Quadrula fragosa (Winged Mapleleaf)	A003	large Nashville Basin and Highland Rim rivers, origin in Blue Ridge and Ridge and Valley							Pref						
3	Invertebrate - Bivalve	IMBIV39050	Quadrula fragosa (Winged Mapleleaf)	C010	small Highland Rim rivers, origin in Highland Rim							Pref						
3	Invertebrate - Bivalve	IMBIV39050	Quadrula fragosa (Winged Mapleleaf)	C011	small Nashville Basin rivers, origin in Highland Rim										Pref	Pref		
3	Invertebrate - Bivalve	IMBIV39050	Quadrula fragosa (Winged Mapleleaf)	D032	Highland Rim streams							Suit				Suit	Suit	
3	Invertebrate - Bivalve	IMBIV39050	Quadrula fragosa (Winged Mapleleaf)	D033	Highland Rim streams							Pref						



AQUATIC HABITAT PREFERENCES																			
Tier	Taxonomic Group	NS ELCODE	Species Name	TNC'S Freshwater Initiative Aquatic Habitat Classification						Subregional Habitat Preference									
				Sys. Class	Description	MSR: CP	BAR	COR	CUR				TNR						
									LCUR	NB	UCUR	CM	LTNR	NB	CP	RV	BR		
3	Invertebrate - Bivalve	IMBIV47140	Villosa trabalis (Cumberland Bean)	C006	small Cumberland Plateau rivers, in moderate elevation, origin in Cumberland Plateau												Suit		
3	Invertebrate - Bivalve	IMBIV47140	Villosa trabalis (Cumberland Bean)	C009	small Highland Rim rivers, origin in the Cumberland Plateau								Pref						
3	Invertebrate - Bivalve	IMBIV47140	Villosa trabalis (Cumberland Bean)	C012	small Blue Ridge rivers, origin in Blue Ridge														Pref
3	Invertebrate - Bivalve	IMBIV47140	Villosa trabalis (Cumberland Bean)	D002	ridge and valley streams														Pref
3	Invertebrate - Bivalve	IMBIV47140	Villosa trabalis (Cumberland Bean)	D007	ridge and valley streams												Suit		Suit
3	Invertebrate - Bivalve	IMBIV47140	Villosa trabalis (Cumberland Bean)	D008	ridge and valley streams														Pref
3	Invertebrate - Bivalve	IMBIV47140	Villosa trabalis (Cumberland Bean)	D011	ridge and valley streams														Suit
3	Invertebrate - Bivalve	IMBIV47140	Villosa trabalis (Cumberland Bean)	D024	Cumberland mountain, plateau streams								Suit						Pref
3	Invertebrate - Bivalve	IMBIV47140	Villosa trabalis (Cumberland Bean)	D025	Cumberland mountain, plateau streams														Pref
3	Invertebrate - Bivalve	IMBIV47140	Villosa trabalis (Cumberland Bean)	D029	Highland Rim streams, some headwaters in plateau sandstones								Suit						
3	Invertebrate - Bivalve	IMBIV47140	Villosa trabalis (Cumberland Bean)	D030	Highland Rim streams								Suit						
3	Invertebrate - Bivalve	IMBIV47140	Villosa trabalis (Cumberland Bean)	D032	Highland Rim streams								Suit		Suit				
3	Invertebrate - Bivalve	IMBIV47140	Villosa trabalis (Cumberland Bean)	D040	transitional streams, Blue Ridge to Ridge and Valley														Suit
3	Invertebrate - Bivalve	IMBIV47140	Villosa trabalis (Cumberland Bean)	D050	Blue Ridge streams														Suit
3	Invertebrate - Crustacean	ICMAL11160	Orconectes shoupi (Nashville Crayfish)	D030	Highland Rim streams								Marg						
3	Invertebrate - Crustacean	ICMAL11160	Orconectes shoupi (Nashville Crayfish)	D031	Highland Rim streams								Marg						
3	Invertebrate - Crustacean	ICMAL11160	Orconectes shoupi (Nashville Crayfish)	D032	Highland Rim streams								Marg						
3	Invertebrate - Crustacean	ICMAL11160	Orconectes shoupi (Nashville Crayfish)	D033	Highland Rim streams								Marg						
3	Invertebrate - Crustacean	ICMAL11160	Orconectes shoupi (Nashville Crayfish)	D036	Highland Rim streams								Pref						
3	Invertebrate - Gastropod	IMGASK5141	Leptoxis crassa anthonyi (Anthony's River Snail)	A001	large Ridge and Valley rivers, origin in Blue Ridge and Ridge and Valley														Suit
3	Invertebrate - Gastropod	IMGASK5141	Leptoxis crassa anthonyi (Anthony's River Snail)	C002	small Ridge and Valley River, origin in the Cumberland Plateau														Pref
3	Invertebrate - Gastropod	IMGASK5141	Leptoxis crassa anthonyi (Anthony's River Snail)	D016	transitional streams, Cumberland plateau to ridge and valley, escarpment														Pref
3	Invertebrate - Gastropod	IMGASK5141	Leptoxis crassa anthonyi (Anthony's River Snail)	D020	ridge and valley streams, few headwaters in plateau sandstones														Suit
3	Invertebrate - Gastropod	IMGASK5141	Leptoxis crassa anthonyi (Anthony's River Snail)	D024	Cumberland mountain, plateau streams														Suit
3	Invertebrate - Gastropod	IMGASJ0450	Marstonia ogmorhaphes (Royal Springsnail)	C002	small Ridge and Valley River, origin in the Cumberland Plateau														Marg
3	Invertebrate - Gastropod	IMGASJ0450	Marstonia ogmorhaphes (Royal Springsnail)	D016	transitional streams, Cumberland plateau to ridge and valley, escarpment														Suit
3	Vertebrate - Fish	AFCJB49020	Cyprinella caerulea (Blue Shiner)	D005	ridge and valley streams								Suit						
3	Vertebrate - Fish	AFCJB49020	Cyprinella caerulea (Blue Shiner)	D011	ridge and valley streams								Marg						
3	Vertebrate - Fish	AFCJB49020	Cyprinella caerulea (Blue Shiner)	D040	transitional streams, Blue Ridge to Ridge and Valley														Pref
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	B001	medium Ridge and Valley rivers, origin in the Blue Ridge/Ridge and Valley														Marg
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	B002	medium Ridge and Valley rivers, origin in the Ridge and Valley														Suit
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	B005	medium Nashville Basin rivers, origin in the Highland Rim									Marg					Marg
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	B007	medium Blue Ridge rivers, origin in the Blue Ridge														
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	C001	small ridge and valley rivers, origin in ridge and valley														Marg
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	C002	small Ridge and Valley River, origin in the Cumberland Plateau														Pref
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	C003	small Ridge and Valley rivers, origin in the Blue Ridge/Piedmont														Marg
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	C006	small Cumberland Plateau rivers, in moderate elevation, origin in Cumberland Plateau														Pref
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	C010	small Highland Rim rivers, origin in Highland Rim									Marg					
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	C011	small Nashville Basin rivers, origin in Highland Rim									Marg					
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	C012	small Blue Ridge rivers, origin in Blue Ridge														Suit
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	C017	small Coastal Plain rivers, origin in the Highland Rim/Southern Cumberland Plateau									Marg					
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	C018	small Coastal Plain rivers, origin in Coastal Plain									Marg					
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	D002	ridge and valley streams														Suit
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	D003	ridge and valley streams														Marg
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	D004	ridge and valley streams														Marg
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	D006	ridge and valley streams														
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	D007	ridge and valley streams														Suit
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	D008	ridge and valley streams														Marg
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	D010	ridge and valley streams														Marg
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	D015	transitional streams, Cumberland plateau to ridge and valley, escarpment														Pref
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	D016	transitional streams, Cumberland plateau to ridge and valley, escarpment														Marg
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	D019	transitional streams, Cumberland plateau to ridge and valley														Suit
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	D020	ridge and valley streams, few headwaters in plateau sandstones									Marg					Marg
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	D021	ridge and valley streams, few headwaters in plateau sandstones									Marg					Marg
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	D024	Cumberland mountain, plateau streams														Suit
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	D027	transitional streams southern Cumberland plateau to Highland Rim									Marg					Marg
3	Vertebrate - Fish	AFCJB15080	Cyprinella monacha (Spotfin Chub)	D030	Highland Rim streams									Suit					





