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Rare Animals and Plants of Southern Appalachian Wetlands

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Southern bog lemming (*Synaptomys cooperi*).

Table I
*Rare Animals of Southern Appalachian Wetlands**

SPECIES	HABITATS				
	Bogs**	Swamps	Ephemeral Pools	Swamp Forest	Wet Meadows
mole salamander (<i>Ambystoma talpoideum</i>)			✓	✓	✓
bog turtle (<i>Clemmys muhlenbergii</i>)	✓				✓
star-nosed mole (<i>Condylura cristata parva</i>)	✓	✓	✓	✓	✓
Baltimore butterfly (<i>Euphydryas phaeton</i>)	✓				✓
four-toed salamander (<i>Hemidactylium scutatum</i>)	✓	✓	✓	✓	✓
Diana fritillary (<i>Speyeria diana</i>)	✓				✓
Southern bog lemming (<i>Synaptomys cooperi</i>)	✓				✓

* Species listed may be state or federally listed, for more information consult your state agency listed in Appendix F.

** Southern Appalachian Bog. See Chapter 2.

Table II
*Rare Plants of Southern Appalachian Wetlands**

SPECIES	HABITATS					
	Bogs**	Fens	High Elevation Seeps	Seeps	Swamp Forest	Wet Meadows
bog rose (<i>Arethusa bulbosa</i>)	✓					
bog jack-in-the-pulpit (<i>Arisaema triphyllum</i> ssp. <i>stewardsonii</i>)	✓			✓	✓	✓
blunt-lobed grape fern (<i>Botrychium oneidense</i>)	✓					
fringed brome (<i>Bromus ciliatus</i>)			✓	✓		
marsh marigold (<i>Caltha palustris</i>)	✓					✓
marsh bellflower (<i>Campanula aparinoides</i>)	✓	✓				
Mountain bittercress (<i>Cardamine clematidis</i>)				✓		
Mountain watercress (<i>Cardamine rotundifolia</i>)				✓		

Table II, continued
Rare Plants of Southern Appalachian Wetlands*

SPECIES	HABITATS					
	Bogs**	Fens	High Elevation Seeps	Seeps	Swamp Forest	Wet Meadows
hay sedge (<i>Carex argyrantha</i>)						✓
Barratt's sedge (<i>Carex barrattii</i>)	✓			✓?		
brown bog sedge (<i>Carex buxbaumii</i>)	✓	✓				✓
cone-shaped sedge (<i>Carex conoidea</i>)	✓					✓
small crested sedge (<i>Carex cristatella</i>)	✓					
a sedge (<i>Carex deflexa</i>)			✓			
a sedge (<i>Carex lasiocarpa</i> var. <i>amaericana</i>)	✓					
Oklahoma sedge (<i>Carex oklahomensis</i>)				✓		
few-seeded sedge (<i>Carex oligosperma</i>)	✓			✓		
necklace sedge (<i>Carex projecta</i>)	✓		✓	✓	✓	✓
Schweinitz's sedge (<i>Carex schweinitzii</i>)					✓	
a sedge (<i>Carex trichocarpa</i>)	✓					
three-seeded sedge (<i>Carex trisperma</i>)	✓	✓			✓	
a sedge (<i>Carex utriculata</i>)	✓					
a sedge (<i>Carex vesicaria</i>)	✓	✓				
Cuthbert's turtlehead (<i>Chelone cuthbertii</i>)	✓	✓		✓	✓	✓
twig-rush (<i>Cladium marisoides</i>)	✓	✓		✓		
Long-bracted frog sedge (<i>Coeloglossum viride</i> var. <i>virescens</i>)				✓		

Table II, continued
Rare Plants of Southern Appalachian Wetlands*

SPECIES	HABITATS					
	Bogs**	Fens	High Elevation Seeps	Seeps	Swamp Forest	Wet Meadows
Goldthread (<i>Coptis trifoliata</i> ssp. <i>groenlandica</i>)	✓					
robin runaway (<i>Dalibarda repens</i>)	✓				✓	
bog oatgrass (<i>Danthonia epilis</i>)	✓	✓		✓		
purpleleaf willowherb (<i>Epilobium ciliatum</i>)	✓	✓		✓		
Texas hatpins (<i>Eriocaulon texense</i>)				✓		
queen-of-the-prairie (<i>Filipendula rubra</i>)		✓				✓
fringed gentian (<i>Gentianopsis crinita</i>)		✓	✓	✓		
yellow avens (<i>Geum aleppicum</i>)	✓					
Bent avens (<i>Geum geniculatum</i>)				✓		
rough avens (<i>Geum laciniatum</i> var. <i>trichocarpum</i>)	✓					
rattlesnake mannagrass (<i>Glyceria canadensis</i>)	✓					
lax mannagrass (<i>Glyceria laxa</i>)	✓	✓				✓
Smoky Mountain mannagrass (<i>Glyceria nubigena</i>)			✓			
littleleaf sneezeweed (<i>Helenium brevifolium</i>)		✓		✓		
plains sunrose (<i>Helianthemum bicknellii</i>)		✓				
swamp pink (<i>Helonias bullata</i>)	✓				✓	
holy grass (<i>Hierochloa odorata</i>)	✓	✓				
Appalachian fir-clubmoss (<i>Huperzia appalachiana</i>)		✓	✓	✓		

Table II, continued
Rare Plants of Southern Appalachian Wetlands*

SPECIES	HABITATS					
	Bogs**	Fens	High Elevation Seeps	Seeps	Swamp Forest	Wet Meadows
long-stalked holly (<i>Ilex collina</i>)	✓	✓			✓	
rough rush (<i>Juncus caesariensis</i>)		✓				
rough blazing star (<i>Liatris aspera</i>)		✓				
Heller's blazing star (<i>Liatris helleri</i>)		✓				
yellow Canada lily (<i>Lilium canadense</i> ssp. <i>canadense</i>)	✓	✓				✓
red Canada lily (<i>Lilium canadense</i> ssp. <i>editorum</i>)	✓	✓				✓
Gray's lily (<i>Lilium grayi</i>)	✓	✓	✓	✓		✓
Fen orchaid (<i>Liparis loeselii</i>)		✓		✓		
American fly-honeysuckle (<i>Lonicera canadensis</i>)	✓	✓				
bog clubmoss (<i>Lycopodiella inundata</i>)	✓					
a clubmoss (<i>Lycopodium dendroideum</i>)	✓	✓				
Hickey's clubmoss (<i>Lycopodium hickeyi</i>)	✓	✓				
largeflower Barbara's buttons (<i>Marshallia grandiflora</i>)	✓					
buckbean (<i>Menyanthes trifoliata</i>)	✓					
bristly muhly (<i>Muhlenbergia glomerata</i>)		✓		✓		
sweet gale (<i>Myrica gale</i>)	✓					
bog asphodel (<i>Narthecium americanum</i>)	✓					
perennial sundrops (<i>Oenothera perennis</i>)	✓					

Table II, continued
Rare Plants of Southern Appalachian Wetlands*

SPECIES	HABITATS					
	Bogs**	Fens	High Elevation Seeps	Seeps	Swamp Forest	Wet Meadows
largeleaf grass-of-Parnassus (<i>Parnassia grandifolia</i>)		✓		✓		
swamp lousewort (<i>Pedicularis lanceolata</i>)		✓		✓	✓	
northern beech fern (<i>Phegopteris connectilis</i>)			✓			
northern rein orchid (<i>Platanthera flava</i> var. <i>herbiola</i>)		✓				
large purple-fringed orchid (<i>Platanthera grandiflora</i>)	✓		✓	✓		
white fringeless orchid (<i>Platanthera integrilabia</i>)	✓			✓		
purple fringeless orchid (<i>Platanthera peramoena</i>)	✓					✓
bog bluegrass (<i>Poa paludigena</i>)	✓					
white beakrush (<i>Rhynchospora alba</i>)	✓	✓				
bunched arrowhead (<i>Sagittaria fasciculata</i>)	✓				✓	
Canada burnet (<i>Sanguisorba canadensis</i>)		✓	✓	✓		✓
mountain sweet pitcher plant (<i>Sarracenia rubra</i> ssp. <i>jonesii</i>)	✓					
green pitcher plant (<i>Sarracenia oreophila</i>)	✓			✓		
swamp saxifrage (<i>Saxifraga pensylvanica</i>)	✓			✓		
balsam ragwort (<i>Senecio pauperculus</i>)	✓	✓				
bog goldenrod (<i>Solidago uliginosa</i>)	✓	✓		✓		
greenfruit bur-reed (<i>Sparganium chlorocarpum</i>)	✓					✓?
freshwater cordgrass (<i>Spartina pectinata</i>)						✓

Table II, continued
Rare Plants of Southern Appalachian Wetlands*

SPECIES	HABITATS					
	Bogs**	Fens	High Elevation Seeps	Seeps	Swamp Forest	Wet Meadows
shining ladies'-tresses (<i>Spiranthes lucida</i>)		✓				
Epling's hedge-nettle (<i>Stachys eplingii</i>)	✓					
longstalk starwort (<i>Stellaria alsine</i>)				✓		
bog featherbells (<i>Stenanthium robustum</i>)	✓	✓				✓
Canada yew (<i>Taxus canadensis</i>)	✓				✓	
bog fern (Massachusetts fern) (<i>Thelypteris simulata</i>)	✓					
sticky bog asphodel (<i>Tofieldia glutinosa</i>)	✓	✓		✓		
small bladderwort (<i>Utricularia minor</i>)	✓					
cranberry (<i>Vaccinium macrocarpon</i>)	✓			✓		
American speedwell (<i>Veronica americana</i>)	✓			✓		
Mosses						
yellow starry fen moss (<i>Campylium stellatum</i> var. <i>stellatum</i>)		✓				
liverwort (<i>Cephaloziella hampeana</i>)		✓				
bog broom-moss (<i>Dichranum undulatum</i>)	✓			✓		
narrowleaf peatmoss (<i>Sphagnum angustifolium</i>)	✓					
northern peatmoss (<i>Sphagnum capillifolium</i>)	✓					
pretty peatmoss (<i>Sphagnum fallax</i>)	✓					
flexuous peatmoss (<i>Sphagnum flexuosum</i> var. <i>flexuosum</i>)	✓					

Table II, continued
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SPECIES	HABITATS					
	Bogs**	Fens	High Elevation Seeps	Seeps	Swamp Forest	Wet Meadows
brown peatmoss (<i>Sphagnum fuscum</i>)	✓					
fen peatmoss (<i>Sphagnum warnstorffii</i>)	✓	✓				
southern dung moss (<i>Splachnum pennsylvanicum</i>)	✓					
orange peatmoss (<i>Sphagnum subsecundum</i> var. <i>subsecundum</i>)	✓	✓				

* Species listed may be state or federally listed; for more information consult your state agency listed in Appendix D. Some of these species occur in other habitats in addition to mountain wetlands.

** Southern Appalachian Bog. See Chapter 2.

✓? Highly likely but warrants further study.