

**Appendix D**

**Names, Habitat Preferences, and Occurrence Information  
for the Protected Species Which Could Occur in the Counties  
Around and Downstream From Nolichucky Reservoir**

Table D-1. Habitat and county occurrence information for the protected plant species which could occur in areas affected by one or more of the action alternatives. Occurrence data derived from TVA Regional Natural Heritage database; habitat data provided by TVA staff specialists.

Scientific Name	Common Name	Typical Habitat	Federal Status	State Status	Greene County	Cocke County	Hamblen County
<i>Adlumia fungosa</i>	Climbing fumatory	E,M		T		X	
<i>Asclepias purpurascens</i>	Purple milkweed	N		S	X		
<i>Botrychium jenmanii</i>	Alabama grapefern	A,N		T			X
<i>Buckleya distichophylla</i>	Sapsuck	E,M		T		X	
<i>Caltha palustris</i>	Marsh-marigold	C,W,Y		E	X		
<i>Cardamine flagellifera</i>	Bitter-cress*	C,W,Y		T	X		
<i>Carex ruthii</i>	Sedge*	D,Z		T		X	
<i>Chrysogonum virginianum</i>	Green-and-gold	A,M		T	X		
<i>Cimicifuga rubifolia</i>	Bugbane*	E		T			X
<i>Clintonia borealis</i>	Clinton lily	D		S	X	X	
<i>Coreopsis latifolia</i>	Broadleaf tickseed	M		E	X		
<i>Cymophyllus fraserianus</i>	Fraser sedge	M		S		X	
<i>Cypripedium acaule</i>	Pink lady-slipper	M,W		E-CE		X	
<i>Draba ramosissima</i>	Branching whitlow-wort	E		S		X	
<i>Dryopteris carthusiana</i>	Spinulose woodfern	C,W,Y,Z		T	X		
<i>Fothergilla major</i>	Witch-alder*	E,M		T	X		
<i>Gentiana austromontana</i>	Gentian*	D		S	X		
<i>Heracleum maximum</i>	Cow parsnip	B,M,Z		S		X	
<i>Heuchera longiflora</i> var. <i>aceroides</i>	Maple-leaf alumroot	M		S	X	X	
<i>Hydrocotyle americana</i>	Water pennywort	C,W,Y		E	X		
<i>Hydrophyllum virginianum</i>	Virginia waterleaf	B,C,W,Y		T	X		
<i>Leucothoe racemosa</i>	Fetterbush*	M		T		X	
<i>Listera smallii</i>	Kidney-leaf twayblade	M		S	X		
<i>Lysimachia fraseri</i>	Loosestrife*	C,W,Y		E		X	

Table D-1. (continued)

<i>Monotropsis odorata</i>	Pigmy pipes	M		T	X	X	
<i>Panax quinquefolius</i>	Ginseng	M		S-CE		X	
<i>Paronychia argyrocoma</i>	Silverling	M		T		X	
<i>Phlox subulata</i>	Moss phlox	E		T			X
<i>Poa palustris</i>	Fowl bluegrass	C,Z		E	X		
<i>Rugelia nudicaulis</i>	Rugel ragwort	D		T-PE		X	
<i>Saxifraga carolinana</i>	Saxifrage*	C,W,Y, Z		E		X	
<i>Sida hermaphrodita</i>	Virginia mallow	B,C,W, Y,Z		E-P		X	
<i>Silene ovata</i>	Ovate catchfly	M		T-PE		X	
<i>Solidago lancifolia</i>	Goldenrod*	D		E		X	
<i>Stellaria alsine</i>	Trailing stitchwort	C,W		E		X	
<i>Thermopsis fraxinifolia</i>	Ash-leaved bush-pea	M		T	X		
<i>Trillium rugelii</i>	Southern nodding trillium	B,C,M		E		X	
<i>Xerophyllum asphodeloides</i>	Turkey-beard	B		T	X	X	

Habitat Abbreviations (broad categories only, specific habitats would be more restricted):

A - Grasslands, B - Floodplain Hardwood Forests, C - Creeks and Springs, D - Balds or Spruce Fir Forests, E - Rock Faces and/or Outcrops, M - Upland Hardwoods, N - Barrens and Prairies, R - Rivers, U - Caves, V - Reservoirs, W - Seepage Areas, Y - Emergent and Scrub-shrub Wetlands, Z - Wet Meadows and Sandy Creeksides

Status Abbreviations:

E - Endangered, E-P - Endangered but possibly extirpated, E-PT - Endangered but proposed for Threatened status,

PE - Proposed Endangered, S - Special Concern, T - Threatened

Occurrence Abbreviations:

X - Known to occur in this county within the last 30 years.

X> - Not known from parts of this county that could be affected by any of the action alternatives.

- - denotes common name for the genus, no common name is used for the individual species.

Table D-2. Habitat and county occurrence information for the protected animal species which could occur in areas affected by one or more of the action alternatives. Occurrence data derived from TVA Regional Heritage database; habitat data provided by TVA staff specialists.

Scientific Name	Common Name	Typical Habitat	Federal Status	State Status	Cocke County	Greene County	Hamblen County
<b>Mussels</b>							
<i>Epioblasma capsaeformis</i>	Oyster mussel	R	E	E	X		X
<i>Epioblasma torulosa gubernaculum</i>	Green blossom	R	E	E	X	X	X
<i>Fusconaia cuneolus</i>	Finerayed pigtoe	R	E	E			X
<i>Lampsilis abrupta</i>	Pink mucket	R	E	E		X	
<i>Lemiox rimosus</i>	Birdwing pearlymussel	R	E	E		X	
<i>Villosa trabilis</i>	Cumberland bean	R	E	E		X	
<b>Fish</b>							
<i>Carpionodes velifer</i>	Highfin Carpsucker	R		D	X	X	X
<i>Cycleptus elongatus</i>	Blue Sucker	R		T	X	X	
<i>Noturus</i> sp.	“Chucky madtom”	C		E		X	
<i>Phoxinus tennesseensis</i>	Tennessee Dace	C		D	X>	X	
<i>Percina aurantiaca</i>	Tangerine Darter	R		D		X	
<i>Percina tanasi</i>	Snail Darter	R	T	T	X		
<b>Amphibians</b>							
<i>Cryptobranchus alleganiensis</i>	Eastern hellbender	R		D		X	
<i>Desmognathus wrighti</i>	Pigmy salamander	DW		D		X>	
<b>Birds (nesting records)</b>							
<i>Tyto alba</i>	Common barn-owl	A		D		X	

Table D-2. (Continued)

Scientific Name	Common Name	Typical Habitat	Federal Status	State Status	Cocke County	Greene County	Hamblen County
<b>Mammals</b>							
<i>Microtus chrotorrhinus carolinensis</i>	Southern rock vole	ME		D	X>		
<i>Myotis grisescens</i>	Gray bat	RU	E	E	X	X	
<i>Napaeozapus insignis</i>	Woodland jumping mouse	MC		D	X>		
<i>Sorex cinereus</i>	Common shrew	MY		D	X>		
<i>Sorex fumeus</i>	Smoky shrew	MC		D	X>	X	
<i>Sorex longirostris</i>	Southeastern shrew	MC		D		X	
<i>Synaptomys cooperi</i>	Southern bog lemming	AY		D		X	X
<i>Zapus hudsonius</i>	Meadow jumping mouse	AZ		D	X>		

Habitat Abbreviations:

A - Grasslands, C - Creeks and Springs, E - Rock Faces and/or Outcrops, M - Upland Hardwoods, R - Rivers, U - Caves, W - Seepage Areas, Y - Emergent Scrub-Shrub Wetlands, and Z - Wet Meadows and Sandy Creeksides.

Status Abbreviations:

D - Deemed in Need of Management, E - Endangered, T - Threatened

Occurrence Abbreviations:

X - Known to occur in this county

X> - Known to occur in this county but not in areas that could be affected by any of the action alternatives.