

Appendix C

Proposed, Endangered, Threatened, and Sensitive (PETS) Species List for the Sumter National Forest (July 2014), with potential occurrence in the **Watson Hill/Lower Long Cane Analysis Area (Timber Sale)** project areas. Obs = Observed during project field surveys or known to occur based on prefield review; Hab = suitable habitat exists within the project area; "+" = meets criterion; "-" = does not meet criterion; "+/-" = suitable habitat exists adjacent to project areas.

SPECIES	RANKING	HABITAT	Obs	Hab	Habitat Group ¹
CAROLINA HEELSPLITTER (<i>Lasmigona decorata</i>)	Federally Endangered	Known historically from Catawba, Pee Dee, and Saluda drainages in South Carolina; occurs in Mountain, Beaverdam, Cuffytown, Sleepy and Turkey Creeks. The project area is outside of MA-1.	-	-	1
FLORIDA GOOSEBERRY (<i>Ribes echinellum</i>)	Federally Threatened	Known from the Stevens Creek drainage in McCormick County, on north facing hardwood slopes in association with basic soils. Outside of known range; the project area is not in the Stevens Creek drainage.	-	-	3
NORTHERN LONG-EARED BAT (<i>Myotis septentrionalis</i>)	Proposed Federally Endangered	Winters in caves and cave-like structures (e.g., mines, railroad tunnels); summer roosts include cavities, underneath bark, crevices, or hollows of both live and dead trees. Mountains. Outside of known range.	-	-	3,4,5
PERSISTENT TRILLIUM (<i>Trillium persistens</i>)	Federally Endangered	Known from one site in South Carolina; occurs in mixed mesic forest in the Tugaloo River Composite watershed. Outside of known range.	-	-	3
RELICT TRILLIUM (<i>Trillium reliquum</i>)	Federally Endangered	Basic mesic forests in Savannah and Chattahoochee drainages; known from the lower piedmont/fall line sandhills region. Outside of known range.	-	-	3
SMALL WHORLED POGONIA (<i>Isotria medeoides</i>)	Federally Threatened	Occurs in mixed mesic forests at moderate elevations (>1,000 feet). Outside of known range.	-	-	3
SMOOTH CONEFLOWER (<i>Echinacea laevigata</i>)	Federally Endangered	Occurs along the Brevard Geologic Belt in association with grassy understories and open canopies. Outside of known range.	-	-	4
WOOD STORK (<i>Mycteria americana</i>)	Federally Threatened	Known to forage in freshwater wetlands on both Enoree and Long Cane Districts. Potential foraging habitat may exist adjacent to ten treatment areas.	-	+/-	1
ASHLEAF GOLDENBANNER (<i>Thermopsis mollis</i> var. <i>fraxinifolia</i>)	Sensitive	Pine-oak heaths and roadsides in the mountains. Outside of known range.	-	-	5
BACHMAN'S SPARROW (<i>Aimophila aestivalis</i>)	Sensitive	Occurs on piedmont districts in forest stands with open canopies and grassy understories; also utilizes early successional areas. No potential habitat in the treatment areas. The completed project would provide habitat.	-	+	4
BALD EAGLE (<i>Haliaeetus leucocephalus</i>)	Sensitive	Perennial rivers and lakes, nesting in dominant or codominant pines 3 km or less from open water. Potential habitat exists adjacent to some treatment areas	-	+/-	1
BILTMORE SEDGE (<i>Carex biltmoreana</i>)	Sensitive	Thin soils on rock outcrops and adjacent woodlands; known from the Chattooga River Corridor. Outside of known range.	-	-	2
BROOK FLOATER (<i>Alasmidonta varicosa</i>)	Sensitive	Small streams with gravel bottoms; known from Chattooga, Turkey and Upper Stevens Creek watersheds. No potential habitat in the treatment areas.	-	-	1
BUTTERNUT (<i>Juglans cinerea</i>)	Sensitive	Basic mesic forests along the Brevard Geologic Belt usually at old homesites. Outside of known range.	-	-	3
CAROLINA DARTER (<i>Etheostoma collis</i>)	Sensitive	Localized populations occur in lower and middle piedmont streams with slow to moderate current. Known from Saluda and Broad River watersheds. Outside of known range.	-	-	1

CAROLINA PLAGIOMNIUM (<i>Plagiomnium carolinianum</i>)	Sensitive	Damp, shaded, vertical rock faces along streams in mountain gorges; known from Long Creek and Opossum Creek. Outside of known range.	-	-	2
CHAUGA CRAYFISH (<i>Cambarus chaugaensis</i>)	Sensitive	Fast-moving, rocky 3 rd and 4 th order streams in tributaries of the upper Savannah River; known most recently from the Chauga River; noted historically in Ramsey Creek, West Village Creek, Crane Creek, Cedar Creek, and a stream between Long Creek and the Chattooga River (1972 data). Outside of known range.	-	-	1
DIANA FRITILLARY (<i>Speyeria diana</i>)	Sensitive	Violets are larval host plant; open areas for nectar sources in summer; mountains. Outside of known range.	-	-	4
EASTERN SMALL-FOOTED MYOTIS (<i>Myotis leibii</i>)	Sensitive	At southern terminus of range on Andrew Pickens District; known from Moody Creek near Lake Cherokee. May commonly roost in hemlock trees near streams in summer. Outside of known range.	-	-	3
EDMUND'S SNAKETAIL (<i>Ophiogomphus edundo</i>)	Sensitive	Clear moderately flowing mountain streams and rivers with sand or gravel riffles. Known to occur in the Chattooga River. Outside of known range.	-	-	1
FORT MOUNTAIN SEDGE (<i>Carex communis</i> var. <i>amplisquama</i>)	Sensitive	Found in mountain rich coves, at Tamassee Knob, East Fork of the Chattooga, and White Rock Cove on the Andrew Pickens District. Outside of known range.	-	-	3
FRASER'S LOOSESTRIFE (<i>Lysimachia fraseri</i>)	Sensitive	Open stands or rights-of-way with grassy understories; mountains. Outside of known range.	-	-	4
GEORGIA ASTER (<i>Symphotrichum georgianus</i>)	Sensitive; Federal Candidate	Open stands or rights-of-way with grassy understories; piedmont and lower elevations in mountains. Potential habitat occurs adjacent to some treatment areas.	-	+/-	4
HARTWIG'S LOCUST (<i>Robinia viscosa</i> var. <i>hartwegii</i>)	Sensitive	Pine-oak heaths and roadsides in the mountains; one location known near Village Creek on the Andrew Pickens District. Outside of known range.	-	-	5
INDIGO BUSH (<i>Amorpha schwerini</i>)	Sensitive	Pine-oak heaths and oak-hickory communities in the piedmont of South Carolina. Potential habitat exists adjacent to some treatment areas.	-	+/-	5
JEWEL TRILLIUM (<i>Trillium simile</i>)	Sensitive	Basic mesic forests of the mountains. Outside of known range.	-	-	3
LANCELEAF TRILLIUM (<i>Trillium lancifolium</i>)	Sensitive	Basic mesic forests of the piedmont. No potential habitat in the treatment areas.	-	-	3
LIVERWORT (<i>Cheilolejeunea evansii</i>)	Sensitive	Bark of trees in moist escarpment gorges or gorge-like habitats. Outside of known range.	-	-	2
LIVERWORT (<i>Plagiochila caduciloba</i>)	Sensitive	Found on damp, shaded, vertical rock faces along streams in mountain gorges; Southern Appalachian endemic. Outside of known range.	-	-	2
LIVERWORT (<i>Plagiochila sharpii</i>)	Sensitive	Found on damp, shaded, vertical rock faces along streams in mountain gorges. Outside of known range.	-	-	2
LIVERWORT (<i>Radula sullivantii</i>)	Sensitive	Wet shaded rocks and crevices; mountains. Outside of known range.	-	-	2
MIGRANT LOGGERHEAD SHRIKE (<i>Lanius ludovicianus migrans</i>)	Sensitive	Breeds in open areas dominated by grasses interspersed with shrubs, trees, or bare ground; uses agricultural landscapes (pastures). Potential habitat occurs on private lands adjacent to some treatment areas.	-	+/-	4
MOUNTAIN WITCH ALDER (<i>Fothergilla major</i>)	Sensitive	Occurs in oak-hickory forests in mountains; may occur on monadnocks or north-facing slopes in piedmont. No potential habitat in the treatment areas.	-	-	5
NODDING TRILLIUM (<i>Trillium rugelli</i>)	Sensitive	Rich wooded slopes over mafic or calcareous rocks. No potential habitat in the treatment areas.	-	-	3
OGLETHORPE OAK (<i>Quercus oglethorpensis</i>)	Sensitive	Poorly drained soils and streamside forests in the Carolina Slate belt. Occurs in one treatment area.	+	+	3

PIEDMONT ASTER (<i>Eurybia mirabilis</i>)	Sensitive	Nutrient-rich bottomlands and moist slopes, endemic to the NC and SC piedmont. Potential habitat occurs adjacent to some treatment areas.	-	+/-	3
PIEDMONT STRAWBERRY (<i>Waldsteinia lobata</i>)	Sensitive	Occurs in mixed mesic hardwood forests in the lower elevations of the mountains. Outside of known range.	-	-	3
RADFORD'S SEDGE (<i>Carex radfordii</i>)	Sensitive	Occurs in basic mesic and mixed mesic hardwood forests of the mountains. Outside of known range.	-	-	3
RAFINESQUE'S BIG-EARED BAT (<i>Corynorhinus rafinesquii</i>)	Sensitive	Restricted to the mountains, sandhills, and coastal plain Physiographic regions. May be found in hollow trees or behind loose bark near streams, caves, mines, or human-made structures. Outside of known range.	-	-	3
RAYED PINK FATMUCKET (<i>Lampsilis splendida</i>)	Sensitive	Primarily a coastal plain species; one occurrence in Middle Saluda River Composite watershed. No potential habitat in the treatment areas.	-	-	1
ROBUST REDHORSE (<i>Moxostoma robustum</i>)	Sensitive	Occurs in the Lower Savannah River Composite Watershed and introduced to the Broad River. Outside of known range.	-	-	1
SHOAL'S SPIDER LILY (<i>Hymenocallis coronaria</i>)	Sensitive	Rocky river shoals; sandhills and piedmont. No potential habitat in the treatment areas.	-	-	1
SOUTHERN APPALACHIAN SALAMANDER (<i>Plethodon tephalee</i>)	Sensitive	Mature mesic hardwood forests of the mountains. Outside of known range.	-	-	3
SOUTHERN OCONEE BELLS (<i>Shortia galacifolia</i> var. <i>galacifolia</i>)	Sensitive	Large colonies in mixed mesic forests near Lake Jocassee. Outside of known range.	-	-	3
SPREADING POGONIA (<i>Cleistes bifaria</i>)	Sensitive	Dry ridgetops under pines; mountains. Outside of known range.	-	-	5
SUN-FACING CONEFLOWER (<i>Rudbeckia heliopsidis</i>)	Sensitive	Open forests with herbaceous understories; known from roadsides in the vicinity of Lake Cherokee on the Andrew Pickens District. Outside of known range.	-	-	4
SWEET PINESAP (<i>Monotropsis odorata</i>)	Sensitive	Shortleaf pine-oak heaths in the southern Appalachians and piedmont. Potential habitat exists adjacent to some treatment areas.	-	+/-	5
WEBSTER'S SALAMANDER (<i>Plethodon websteri</i>)	Sensitive	Mesic hardwood slopes with rocky outcrops; associated with the Carolina Slate Belt. No potential habitat in the treatment areas.	-	-	3
WHORLED HORSEBALM (<i>Collinsonia verticillata</i>)	Sensitive	Found in basic mesic forests along the Brevard Geologic Belt in South Carolina. Outside of known range.	-	-	3

¹Habitat Group, where 1= Aquatic habitats; 2 = Rock outcrops associated w/streams; 3 = Riparian and mesic forests; 4 = Woodlands/savannas/prairies/openings; 5 = Upland oak and pine forests