ARKANSAS
SOUTH CENTRAL PLAINS ECOREGION
G1 and G2 Species Habitat Management Guidelines

INTRODUCTION

The Sustainable Forestry Initiative® (SFI) 2022 Standards include requirements that promote and conserve Forests with Exceptional Conservation Value (FECV), which includes critically imperiled (G1) and imperiled (G2) species. This fact sheet summarizes the analysis of FECV habitat within this ecoregion and provides habitat management recommendations that would benefit species potentially found here.

HABITAT TYPES

- Hardwood Forest
- Mixed Conifer Forest
- Mixed Hardwood Forest
- Riparian/Stream/Special Site
- Pine Plantation

HARDWOOD/MIXED HARDWOOD FOREST MANAGEMENT

- Protect known locations of G1/G2 Species
- Retain large diameter trees, stumps and logs
- Avoid spraying for gypsy moth in areas with Frosted Elfin

MIXED CONIFER FOREST MANAGEMENT

- Protect known locations of G1/G2 Species
- Retain legacy trees, stumps, and logs
- Retain large diameter trees with cavities or broken tops
- Leave skips or thin to create gaps
- Retain large slash into piles
- Buffer rocky outcropping and scree areas
- Maintain violet for the Diana Fritilary

RIPARIAN/STREAM/SPECIAL SITE MANAGEMENT

- Protect known locations of G1/G2 Species
- Maintain well vegetated riparian buffers
- Retain large diameter trees near streams and rivers
- Buffer streams, wetlands, springs, and headwater areas
- Provide and protect the host plant (*Chasmanthium latifolium)* for the Linda's roadside skipper

Ouachita Streambed Salamander

Northern Long-eared Bat

Frosted Elfin

All management recommendations assume that operators and land managers are following all applicable BMPs, laws, and regulations.

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PINE PLANTATION MANAGEMENT

- Protect known locations of G1/G2 Species
- Retain a variety of species including hardwoods
- Leave woody debris from logging on the ground or pile into wildlife habitat piles
- Consider thinning to create gaps for shrub growth

SCIENTIFIC NAME	COMMON NAME	HABITAT	STATUS
Thalictrum arkansanum	Arkansas Meadowrue	Hardwood Forest	G2
Pogonomyrmex comanche	Comanche Harvester Ant	Hardwood Forest	G2
Myotis septentrionalis	Northern Long-eared Bat	Hardwood Forest	G2G3
Plethodon sequoyah	Sequoyah Slimy Salamander	Mixed Conifer Forest	G1
Streptanthus squamiformis	Pine-oak Jewelflower	Mixed Conifer Forest	G2G3
Plethodon caddoensis	Caddo Mountain Salamander	Mixed Hardwood Forest	G2
Callophrys irus	Frosted Elfin	Mixed Hardwood Forest	G2
Fallicambarus harpi	Ouachita Burrowing Crayfish	Mixed Hardwood Forest	G2
Monarda luteola	Yellow-flower Beebalm	Mixed Hardwood Forest	G2
Crataegus triflora	Three-flowered Hawthorn	Mixed Hardwood Forest	G2G3
Calopogon oklahomensis	Oklahoma Grass-pink	Pine Plantation**	G2
Sabatia arkansana	Pelton's Rose-gentian	Riparian	G1
Hydrophyllum brownei	Arkansas Waterleaf	Riparian	G2
Amblyscirtes linda	Linda's Roadside-Skipper	Riparian	G2
Crataegus ouachitensis	Ouachita Hawthorn	Riparian	G2
Argynnis diana	Diana Fritillary	Riparian	G2G3
Daedalochila peregrina	White Liptooth	Special Site	G2
Paucicalcaria ozarkensis	a microcaddisfly	Stream	G1
Ochrotrichia robisoni	a purse casemaker caddisfly	Stream	G1
Noturus taylori	Caddo Madtom	Stream	G1
Arcidens wheeleri	Ouachita Rock Pocketbook	Stream	G1
Eurycea subfluvicola	Ouachita Streambed Salamander	Stream	G1
Fallicambarus petilicarpus	Slenderwrist Burrowing Crayfish	Stream	G1
Quadrula fragosa	Winged Mapleleaf	Stream	G1
Pleurobema riddellii	Louisiana Pigtoe	Stream	G1G2
Lampsilis abrupta	Pink Mucket	Stream	G1G2
Potamilus leptodon	Scaleshell	Stream	G1G2
Lampsilis powellii	Arkansas Fatmucket	Stream	G2
Leuctra paleo	Arkansas Needlefly	Stream	G2
Bouchardina robisoni	Bayou Bodcau Crayfish	Stream	G2

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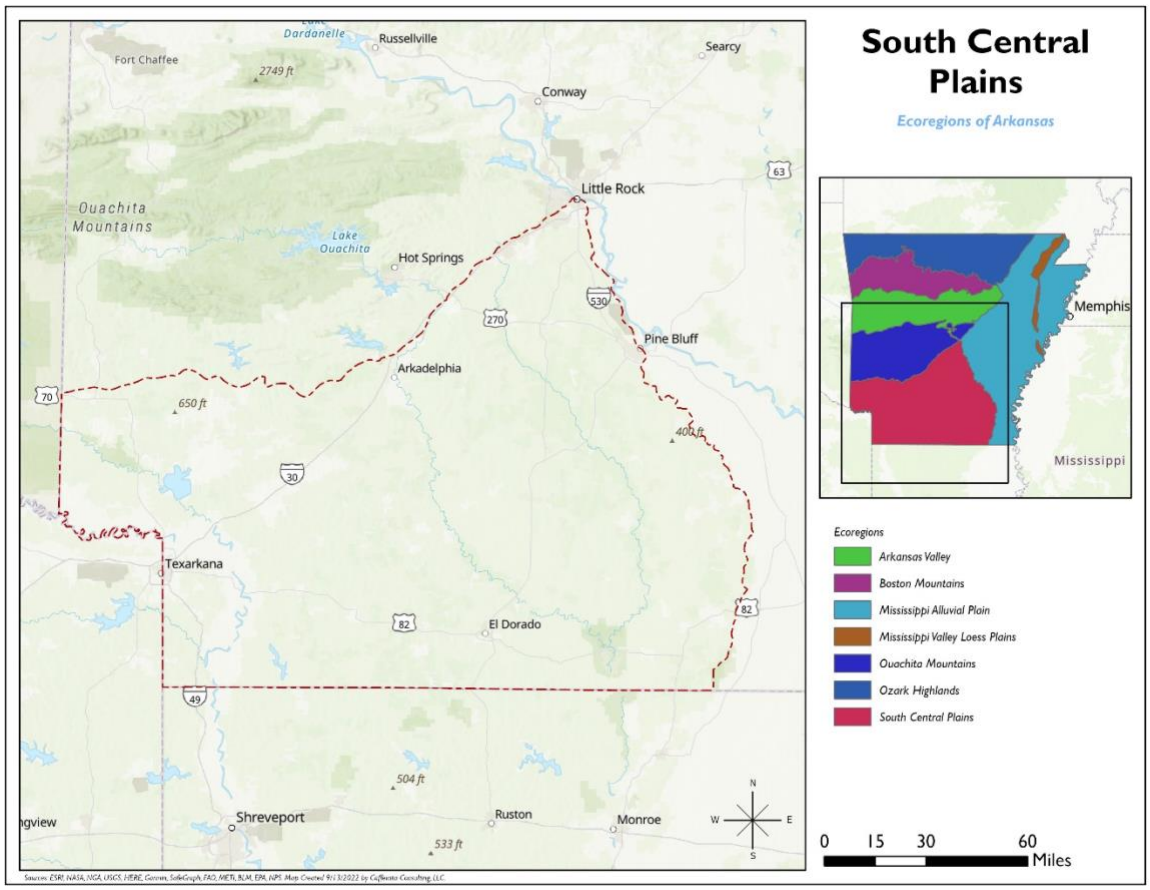
Faxonella blairi	Blair's Fencing Crayfish	Stream	G2
Creaserinus gilpini	Jefferson County Crayfish	Stream	G2
Percina pantherina	Leopard Darter	Stream	G2
Percina brucethompsoni	Ouachita Darter	Stream	G2
Noturus lachneri	Ouachita Madtom	Stream	G2
Etheostoma pallididorsum	Paleback Darter	Stream	G2
Alosa alabamae	Alabama Shad	Stream	G2G3
Pleurobema rubrum	Pyramid Pigtoe	Stream	G2G3
Calamovilfa arcuata	Rivergrass	Stream	G2G3
Cyprogenia aberti	Western Fanshell	Stream	G2G3Q

**Species links provided when available*
***Found rarely, but in a variety of habitat types including pine savannas, coastal prairies, open oak woodlands*



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