

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 Fritillary

RIPARIAN/STREAM/SPECIAL SITE MANAGEMENT

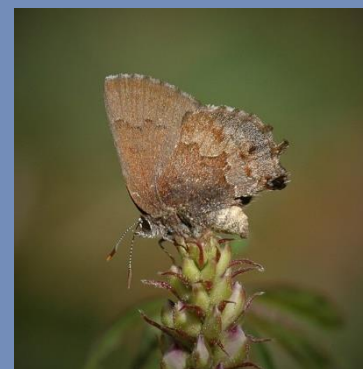
- Protect known locations of G1/G2 Species
- Maintain well vegetated riparian buffers
- Retain large diameter trees near streams and rivers
- Buffer streams, wetlands, springs, and headwater areas
- Provide and protect the host plant (*Chasmanthium latifolium*) for the Linda's roadside skipper



Ouachita Streambed Salamander



Northern Long-eared Bat



Frosted Elfin

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

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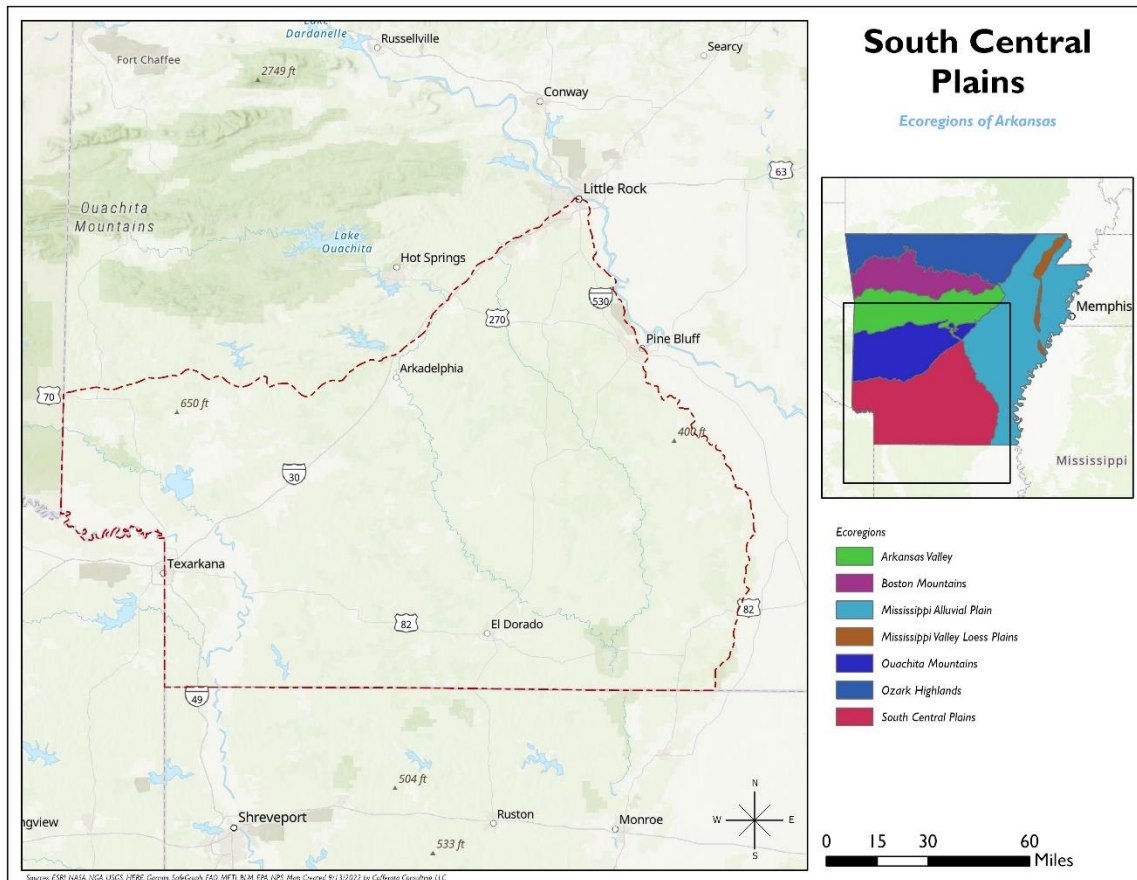
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<i>Faxonella blairi</i>	Blair's Fencing Crayfish	Stream	G2
<i>Creaserinus gilpini</i>	Jefferson County Crayfish	Stream	G2
<i>Percina pantherina</i>	Leopard Darter	Stream	G2
<i>Percina brucethompsoni</i>	Ouachita Darter	Stream	G2
<i>Noturus lachneri</i>	Ouachita Madtom	Stream	G2
<i>Etheostoma pallidorsum</i>	Paleback Darter	Stream	G2
<i>Alosa alabamiae</i>	Alabama Shad	Stream	G2G3
<i>Pleurobema rubrum</i>	Pyramid Pigtoe	Stream	G2G3
<i>Calamovilfa arcuata</i>	Rivergrass	Stream	G2G3
<i>Cyprogenia aberti</i>	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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