

ARKANSAS

ARKANSAS VALLEY 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



Kiamichi Slimy Salamander



**Magazine Mountain
Mold Beetle**



Northern Long-eared Bat

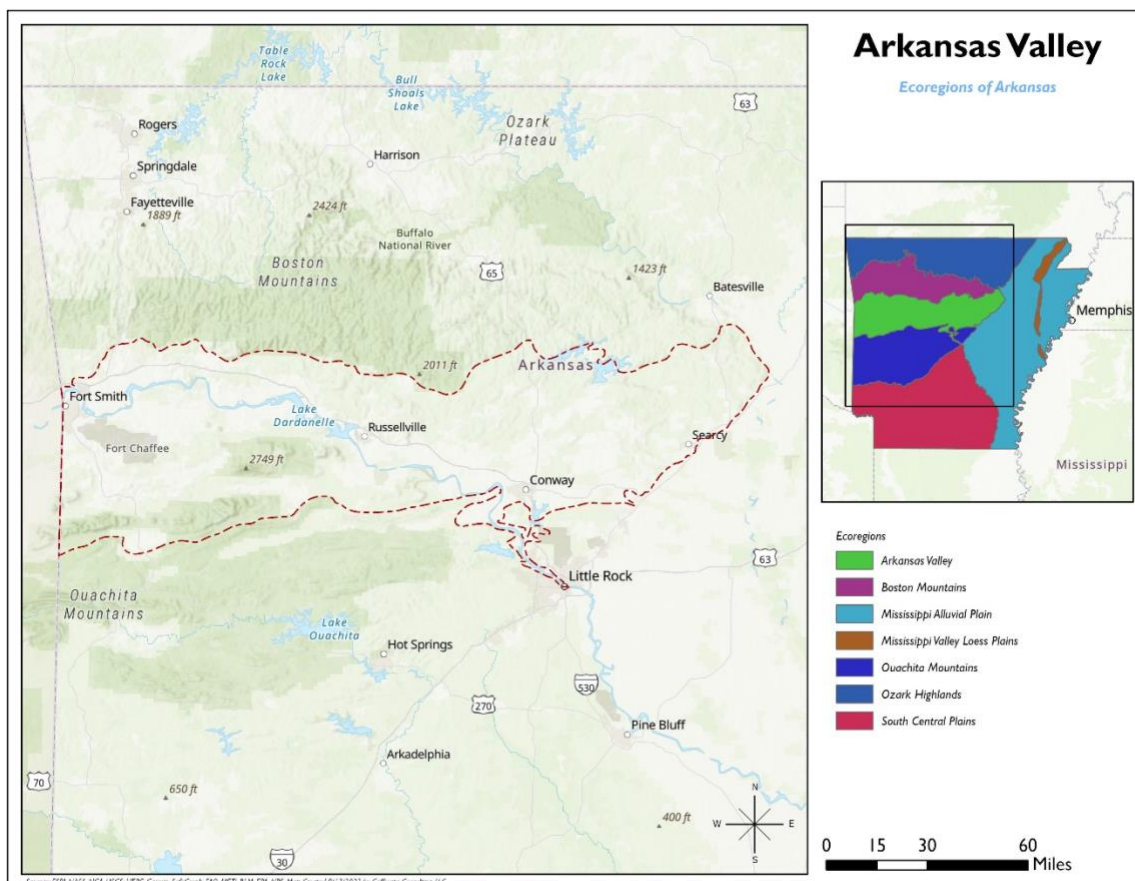
All management recommendations assume that operators and land managers are following all applicable BMPs, laws, and regulations.

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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



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SCIENTIFIC NAME	COMMON NAME	HABITAT	STATUS
<i>Plethodon kiamichi</i>	Kiamichi Slimy Salamander	Hardwood Forest	G2
<i>Quercus acerifolia</i>	Mapleleaf Oak	Hardwood Forest	G1
<i>Myotis septentrionalis</i>	Northern Long-eared Bat	Hardwood Forest	G2G3
<i>Myotis sodalis</i>	Indiana Myotis	Mixed Conifer Forest	G2
<i>Streptanthus squamiformis</i>	Pine-oak Jewelflower	Mixed Conifer Forest	G2G3
<i>Xolotrema occidentale</i>	Arkansas Wedge	Mixed Conifer Forest (est)	G1
<i>Plethodon fourchensis</i>	Fourche Mountain Salamander	Mixed Hardwood Forest	G2
<i>Callophrys irus</i>	Frosted Elf	Mixed Hardwood Forest	G2
<i>Monarda luteola</i>	Yellow-flower Beebalm	Mixed Hardwood Forest	G2
<i>Calopogon oklahomensis</i>	Oklahoma Grass-pink	Pine Plantation**	G2
<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>Patera clenchi</i>	Calico Rock Oval	Special Site	G1
<i>Arianops sandersoni</i>	Magazine Mountain Mold Beetle	Special Site	G1
<i>Inflectarius magazinensis</i>	Magazine Mountain Shagreen	Special Site	G1
<i>Claytonia arkansana</i>	Arkansas Springbeauty	Special Site	G2
<i>Crangonyx aka</i>	a freshwater amphipod	Stream	G1
<i>Paucicalcaria ozarkensis</i>	a microcaddisfly	Stream	G1
<i>Paraleptophlebia calcarica</i>	a prongill mayfly	Stream	G1
<i>Ochrotrichia robisoni</i>	a purse casemaker caddisfly	Stream	G1
<i>Allocaonia oribata</i>	Bowed Snowfly	Stream	G1
<i>Isoperla szczytkoi</i>	Magazine Stripetail	Stream	G1
<i>Zealeuctra wachita</i>	Ouachita Needlefly	Stream	G1
<i>Etheostoma moorei</i>	Yellowcheek Darter	Stream	G1
<i>Alloperla caddo</i>	Caddo Sallfly	Stream	G1G2
<i>Lampsilis abrupta</i>	Pink Mucket	Stream	G1G2
<i>Potamilus leptodon</i>	Scaleshell	Stream	G1G2
<i>Caecidotea dimorpha</i>	a cave obligate isopod	Stream	G2
<i>Ptilimnium nodosum</i>	Harperella	Stream	G2
<i>Paduniella nearctica</i>	Nearctic Paduniellan Caddisfly	Stream	G2
<i>Lampsilis streckeri</i>	Speckled Pocketbook	Stream	G2
<i>Pleurobema rubrum</i>	Pyramid Pigtoe	Stream	G2G3
<i>Calamovilfa arcuata</i>	Rivergrass	Stream	G2G3
<i>Cyrogenia 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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