ARKANSAS
MISSISSIPPI ALLUVIAL PLAIN 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
- Riparian/Stream/Special Site
- Pine Plantation

HARDWOOD FOREST MANAGEMENT

- Protect known locations of G1/G2 Species
- Retain large diameter trees, stumps and logs

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

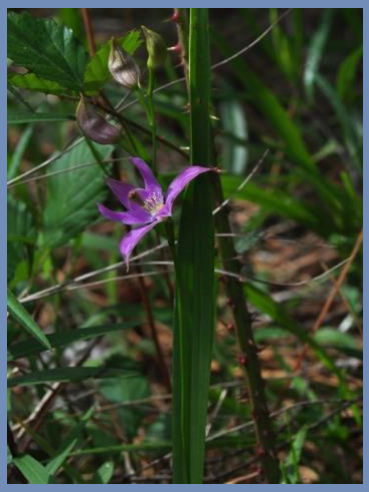
RIPARIAN/STREAM/SPECIAL SITE MANAGEMENT

- 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

PINE PLANTATION FOREST 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

Indiana Myotis



Oklahoma Grass-pink

Winged Mapleleaf

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

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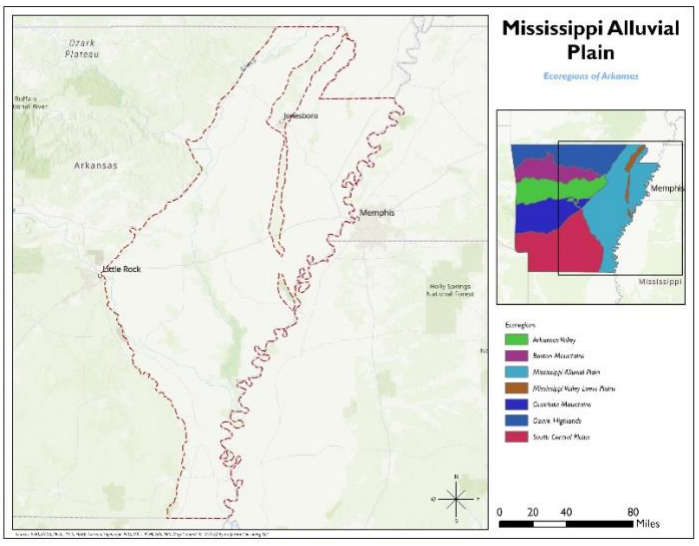
SCIENTIFIC NAME	COMMON NAME	HABITAT	STATUS
Thalictrum arkansanum	Arkansas Meadowrue	Hardwood Forest	G2
Myotis septentrionalis	Northern Long-eared Bat	Hardwood Forest	G2G3
Myotis sodalis	Indiana Myotis	Mixed Conifer Forest	G2
Xolotrema occidentale	Arkansas Wedge	Mixed Conifer Forest (est)	G1
Calopogon oklahomensis	Oklahoma Grass-pink	Pine Plantation**	G2
Argynnis diana	Diana Fritillary	Riparian	G2G3
Mespilus canescens	Stern's Medlar	Special Site	G1
Daedalochila peregrina	White Liptooth	Special Site	G2
Paraleptophlebia calcarica	a prongill mayfly	Stream	G1
Faxonius eupunctus	Coldwater Crayfish	Stream	G1
Epioblasma curtisii	Curtis Pearlymussel	Stream	G1
Marstonia ozarkensis	Ozark Pyrg	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
Caecidotea dimorpha	a cave obligate isopod	Stream	G2
Potamilus capax	Fat Pocketbook	Stream	G2
Creaserinus gilpini	Jefferson County Crayfish	Stream	G2
Faxonius marchandi	Mammoth Spring Crayfish	Stream	G2
Scaphirhynchus albus	Pallid Sturgeon	Stream	G2
Pleurobema rubrum	Pyramid Pigtoe	Stream	G2G3
Cyprogenia aberti	Western Fanshell	Stream	G2G3

**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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