

APPENDIX A: SENSITIVE SPECIES LISTS

SHADY LAKE ENTRANCE ROAD RELOCATION AR-PFH 159-1(2)
 Biological Assessment Species For Consideration Checklist
 Partly Located on the Ouachita National Forest in Polk and Howard Counties, Arkansas

Taxa	Scientific Name	Common Name	Status	FWS Listed Polk & Howard Counties	FS Ouachita Sensitive Species List (B. Crump)	FS Known From Vicinity (B. Crump)	ANHC Known Within One (1) Mile	ANHC Known Within Five (5) Miles	Habitat Present Within Project Area	Effects Analysis Required
Amphibian	<i>Ambystoma annulatum</i>	Ringed salamander	G4 S3							
Amphibian	<i>Ambystoma talpoideum</i>	Mole salamander	G5 S3							
Amphibian	<i>Hemidactylum scutatum</i>	Four-toed salamander	G5 S3							
Amphibian	<i>Plethodon angusticlavius</i>	Ozark zigzag salamander	G4 S3							
Amphibian	<i>Plethodon caddoensis</i>	Caddo Mountain salamander	G2 S2		X	X	X	X	X	X
Amphibian	<i>Plethodon fourchensis</i>	Fourche Mountain salamander	G2Q S2		X					
Amphibian	<i>Plethodon kiamichi</i>	Kiamichi slimy salamander	G2Q S1		X					
Amphibian	<i>Plethodon kisatchie</i>	Louisiana slimy salamander	G3G4Q S2							
Amphibian	<i>Plethodon ouachitae</i>	Rich Mountain salamander	G2G3 S2		X					
Amphibian	<i>Plethodon sequoyah</i>	Sequoyah slimy salamander	G2Q		X					
Amphibian	<i>Plethodon serratus</i>	Southern redback salamander	G5 S3					X		
Amphibian	<i>Pseudacris streckeri</i>	Strecker's chorus frog	G5 S2							
Bird	<i>Aimophila aestivalis</i>	Bachman's sparrow	G3		X					
Bird	<i>Charadrius melodus</i>	Piping plover	LE		X					
Bird	<i>Dendroica cerulea</i>	Cerulean Warbler	G4 S4B					X		
Bird	<i>Dendroica virens</i>	Black-throated Green Warbler	G5 S2B, S5N					X		
Bird	<i>Falco peregrinus</i>	Peregrine falcon	G4		X					
Bird	<i>Gallinula chloropus</i>	Common Moorhen	G5 S1B, S2N							
Bird	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5 S2B, S4N	X	X				X	X
Bird	<i>Lanius ludovicianus migrans</i>	Migrant loggerhead shrike	G4T3Q		X					
Bird	<i>Picoides borealis</i>	Red-cockaded woodpecker	LE G3 S2	X	X					X
Bird	<i>Porphyrio martinica</i>	Purple Gallinule	G5 S1B							
Bird	<i>Sterna antillarum</i>	Least tern	LE		X					
Crustacean	<i>Bouchardina robisoni</i>	A crayfish	G1 S1							
Crustacean	<i>Fallicambarus strawni</i>	A crayfish	G1G2		X			X		

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Crustacean	<i>Orconectes menae</i>	A crayfish	G3 S3		X					
Crustacean	<i>Procambarus reimeri</i>	A crayfish	G1 S1		X					
Crustacean	<i>Procambarus tenuis</i>	A crayfish	G3 S2		X					
Fish	<i>Crystallaria asprella</i>	Crystal darter	G3		X					
Fish	<i>Etheostoma fusiforme</i>	Swamp darter	G5 S2?							
Fish	<i>Etheostoma pallidorsum</i>	Paleback darter	G2 S2		X					
Fish	<i>Lythrurus snelsoni</i>	Ouachita shiner	G3 SNR		X			X		
Fish	<i>Notropis atrocaudalis</i>	Blackspot shiner	G4 S3							
Fish	<i>Notropis ortenburgeri</i>	Kiamichi shiner	G3 S2		X					
Fish	<i>Notropis perpallidus</i>	Peppered shiner	G3 S2		X					
Fish	<i>Noturus lachneri</i>	Ouachita madtom	G2		X					
Fish	<i>Noturus taylori</i>	Caddo madtom	G1 S1?		X					
Fish	<i>Percina nasuta</i>	Longnose darter & Ouachita R. form (Ouachita darter)	G3		X					
Fish	<i>Percina pantherina</i>	Leopard darter	LT G1 S1	X	X					X
Fish	<i>Percina sp. nov.</i>	Ouachita darter	G2? SNR							
Fish	<i>Pteronotropis hubbsi</i>	Bluehead shiner	G3 S3							
Insect	<i>Gomphus ozarkensis</i>	Ozark Clubtail Dragonfly	G4 S1							
Insect	<i>Heterosternuta ouachita</i>	Ouachita diving beetle	GNR S2					X		
Insect	<i>Lucanus elephus</i>	Giant stag beetle	G3G5 S2							
Insect	<i>Microstylum morosum</i>	Giant prairie robber fly	G3G4 S1							
Insect	<i>Nicrophorus americanus</i>	American burying beetle	LE		X					
Insect	<i>Pentacora ouachita</i>	Ouachita shore bug	GNR S1							
Insect	<i>Pseudactium magazinensis</i>	Ouachita pseudactium (a beetle)	GNR S1					X		
Insect	<i>Rimulicola divalis</i>	A beetle	G1 S1					X		
Insect	<i>Speyeria diana</i>	Diana fritillary	G3G4 S2S3		X					
Insect	<i>Tetraloniella albata</i>	White long-horned bee	GNR S1							
Insect	<i>Tetraopes quinquemaculatus</i>	A red milkweed beetle	GNR S1S2							

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Insect	<i>Tetraopes texanus</i>	A red milkweed beetle	GNR S1S2							
Insect	<i>Zealeuctra wachita</i>	Ouachita needlefly	G2 S1							
Invert. Other	<i>Abacion wilhelminea</i>	A millipede	GNR S1							
Invert. Other	<i>Caecidotea fonticulus</i>	An isopod	GNR S1							
Invert. Other	<i>Caecidotea oculata</i>	An isopod	G2G3 S1							
Invert. Other	<i>Dendrocoelopsis americana</i>	A cave obligate planarian	G2G3 S1							
Invert. Other	<i>Diplocardia meansi</i>	An earthworm	GNR S2S3							
Invert. Other	<i>Lirceus bicuspicatus</i>	An isopod	G3Q		X					
Invert. Other	<i>Lirceus ouachitaensis</i>	An isopod	GNR S1							
Invert. Other	<i>Stygobromus montanus</i>	Mountain cave amphipod	G1G2 S1							
Mammal	<i>Felis concolor coryi</i>	Florida panther	LE	X						X
Mammal	<i>Myotis austroriparius</i>	Southeastern myotis	G3G4		X					
Mammal	<i>Myotis leibii</i>	Eastern small-footed bat	G3		X					
Mammal	<i>Myotis sodalis</i>	Indiana bat	LE		X					
Mammal	<i>Sorex longirostris</i>	Southeastern shrew	G5 S2							
Mollusk	<i>Alasmidonta marginata</i>	Elktoe	G4S3							
Mollusk	<i>Arkansia wheeleri</i>	Ouachita rock-pocketbook	LE		X					
Mollusk	<i>Cyprogenia aberti</i>	Western fanshell mussel	G2		X					
Mollusk	<i>Lampsilis hydiana</i>	Louisiana fatmucket	G3		X					
Mollusk	<i>Leptodea leptodon</i>	Scaleshell mussel	LE		X					
Mollusk	<i>Lampsilis powelli</i>	Arkansas fatmucket	LT G2 S3	X	X					X
Mollusk	<i>Lampsilis satura</i>	Sandbank pocketbook	G2 S2		X					
Mollusk	<i>Lampsilis siliquoidea</i>	Fatmucket	G5 S3							
Mollusk	<i>Lasmigona costata</i>	Flutedshell	G5 S3							
Mollusk	<i>Leptodea leptodon</i>	Scaleshell mussel	LE	X						X
Mollusk	<i>Ligumia recta</i>	Black sandshell	G5 S2							
Mollusk	<i>Obovaria jacksoniana</i>	Southern hickorynut	G2 S2		X					
Mollusk	<i>Pleurobema cordatum</i>	Ohio River pigtoe	G3		X					
Mollusk	<i>Pleurobema rubrum</i>	Pyramid pigtoe	G2		X					

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Mollusk	<i>Ptychobranthus occidentalis</i>	Ouachita kidneyshell	G3G4 S3							
Mollusk	<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot	G3T3		X					
Mollusk	<i>Quadrula fragosa</i>	Winged mapleleaf mussel	LE		X					
Mollusk	<i>Quadrula metanevra</i>	Monkeyface	G4 S3S4							
Mollusk	<i>Stenotrema pilsbryi</i>	Rich Mountain slitmouth	G2 S2		X					
Mollusk	<i>Stenotrema unciferum</i>	Ouachita slitmouth	G2 SNR					X		
Mollusk	<i>Toxolasma lividus</i>	Purple lilliput	G2 S2		X					
Mollusk	<i>Unio merus tetralasmus</i>	Pondhorn	G5 S2							
Mollusk	<i>Villosa arkansasensis</i>	Ouachita creekshell	G2 S2		X					
Mollusk	<i>Villosa lienosa</i>	Little spectaclecase	G5 S3							
Reptile	<i>Alligator mississippiensis</i>	American alligator	LTSA		X					
Reptile	<i>Crotalus atrox</i>	Western diamondback rattlesnake	G5 S2							
Reptile	<i>Crotaphytus collaris</i>	Eastern collared lizard	G5 S3							
Reptile	<i>Eumeces obtusirostris</i>	Southern prairie skink	G5 S2							
Reptile	<i>Eurycea quadridigitata</i>	Dwarf salamander	G5 S3							
Reptile	<i>Hemidactylium scutatum</i>	Four-toed salamander	G5 S3							
Reptile	<i>Lampropeltis triangulum amaura</i>	Louisiana milk snake	G5T4 S3							
Reptile	<i>Pantherophis emoryi</i>	Great Plains rat snake	G5 S3							
Vascular Plant	<i>Acer saccharum</i> var. <i>leucoderme</i>	Chalk maple	G5 S2S3						X	X
Vascular Plant	<i>Acer saccharum</i> var. <i>nigrum</i>	Black maple	G5 S1S2							
Vascular Plant	<i>Allium drummondii</i>	Drummond's wild onion	G5 S1							
Vascular Plant	<i>Amorpha canescens</i>	Leadplant	G5 S2S3						X	X
Vascular Plant	<i>Amorpha ouachitensis</i>	Ouachita false indigo	G3Q S3		X				X	X
Vascular Plant	<i>Amorpha paniculata</i>	Panicled false indigo	G3		X					
Vascular Plant	<i>Amsonia hubrichtii</i>	Ouachita bluestar	G3 S3							
Vascular Plant	<i>Asplenium X ebenoides</i>	Scott's spleenwort	HYB		X					

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Vascular Plant	<i>Asplenium X gravesii</i>	Grave's spleenwort	HYB		X					
Vascular Plant	<i>Astragalus crassicaarpus var. crassicaarpus</i>	A ground plum	G5T5 S2							
Vascular Plant	<i>Calamagrostis porteri ssp. insperata</i>	Porter's reedgrass	G4T3 SH							
Vascular Plant	<i>Calamovilfa arcuata</i>	Cumberland sandreed	G2 S1		X					
Vascular Plant	<i>Callirhoe bushii</i>	Bush's poppymallow	G3		X					
Vascular Plant	<i>Cardamine angustata</i>	Slender toothwort	G5 S2						X	X
Vascular Plant	<i>Cardamine dissecta</i>	Forkleaf toothwort	G4? S1					X	X	X
Vascular Plant	<i>Carex gracilescens</i>	A caric sedge	G5? S2							
Vascular Plant	<i>Carex hitchcockiana</i>	Hitchcock's caric sedge	G5 S1S2						X	X
Vascular Plant	<i>Carex laevivaginata</i>	A caric sedge	G5 S2							
Vascular Plant	<i>Carex latebracteata</i>	Waterfall's sedge	G3 S3		X	X	X	X	X	X
Vascular Plant	<i>Carex normalis</i>	A caric sedge	G5 S1						X	X
Vascular Plant	<i>Carex pennsylvanica</i>	Pennsylvania carex sedge	G5 S3				X	X	X	X
Vascular Plant	<i>Carex scoparia var. scoparia</i>	A caric sedge	G5T5 S1S2							
Vascular Plant	<i>Carex stricta</i>	Tussock sedge	G5 S3					X	X	X
Vascular Plant	<i>Carex timida</i>	A caric sedge	G2G3 S2S3						X	X
Vascular Plant	<i>Castanea pumila var. ozarkensis</i>	Ozark chinquapin	G5T3 S3S4		X	X	X	X	X	X
Vascular Plant	<i>Crataegus brachyacantha</i>	Blueberry hawthorn	G4 S2			X	X	X	X	X
Vascular Plant	<i>Cypripedium kentuckiense</i>	Southern Lady's-slipper	G3 S3		X					
Vascular Plant	<i>Delphinium newtonianum</i>	Newton's (Moore's) larkspur	G3 S3		X			X	X	X
Vascular Plant	<i>Delphinium treleasei</i>	Glade larkspur	G3		X					
Vascular Plant	<i>Deschampsia flexuosa</i>	Crinkled hairgrass	G5 S2S3							
Vascular Plant	<i>Diaperia prolifera</i>	Rabbit tobacco	G5 S1S3							
Vascular Plant	<i>Draba aprica</i>	Open-ground draba	G3 S2		X					
Vascular Plant	<i>Dryopteris celsa</i>	Log fern	G4 S2							
Vascular Plant	<i>Dryopteris X australis</i>	Small's woodfern	GNA S1		X					

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Vascular Plant	<i>Eleocharis wolfii</i>	Wolf's spike rush	G3G4 S3							
Vascular Plant	<i>Elymus churchii</i>	Church's wild rye	G2G3 S2?					X	X	X
Vascular Plant	<i>Eriocaulon koernickianum</i>	Gulf pipewort	G2		X					
Vascular Plant	<i>Erythronium mesochoreum</i>	Prairie trout lily	G4G5 S1S2							
Vascular Plant	<i>Euphorbia tetrapora</i>	Weak spurge	G4 S1							
Vascular Plant	<i>Festuca versuta</i>	Texas fescue	G3 S1							
Vascular Plant	<i>Galium arkansanum</i> var. <i>pubiflorum</i>	Arkansas bedstraw	G5T2Q S2		X	X	X	X	X	X
Vascular Plant	<i>Gaylussacia baccata</i>	Black Huckleberry	G5 S3			X		X	X	X
Vascular Plant	<i>Gratiola brevifolia</i>	Sticky hedge-hyssop	G4 S3							
Vascular Plant	<i>Hedeoma reverchonii</i> var. <i>reverchonii</i>	False pennyroyal	G5?TNR S1						X	X
Vascular Plant	<i>Hedyotis ouachitana</i>	Ouachita bluets	G3 S3					X	X	X
Vascular Plant	<i>Helianthus occidentalis</i> ssp. <i>plantagineus</i>	Shinner's fewleaf sunflower	G5T2T3Q		X					
Vascular Plant	<i>Hydrophyllum brownei</i>	Browne's waterleaf	G2 S2		X					
Vascular Plant	<i>Ilex decidua</i> var. <i>longipes</i>	Georgia Holly	G5 S3			X	X	X	X	X
Vascular Plant	<i>Iris verna</i>	dwarf iris	G5 S2							
Vascular Plant	<i>Juglans cinerea</i>	Butternut	G3G4		X					
Vascular Plant	<i>Leavenworthia aurea</i>	Golden glade cress	G2		X					
Vascular Plant	<i>Lesquerella angustifolia</i>	Threadleaf bladderpod	G3		X					
Vascular Plant	<i>Liatris compacta</i>	Ouachita blazing star	G5T3 S3						X	X
Vascular Plant	<i>Lithospermum incisum</i>	Fringed puccoon	G5 S2S3							
Vascular Plant	<i>Lithospermum tuberosum</i>	A puccoon	G4 S2						X	X
Vascular Plant	<i>Luzula acuminata</i> var. <i>carolinae</i>	Hairy wood rush	G5T4T5 S2						X	X
Vascular Plant	<i>Melanthium woodii</i>	False hellebore	G5 S3					X	X	X
Vascular Plant	<i>Nemastylis geminiflora</i>	Celestial lily	G4 S3							
Vascular Plant	<i>Penstemon cobaea</i>	Showy beard-tongue	G4 S3							

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Vascular Plant	<i>Physaria gracilis ssp. gracilis</i>	A bladderpod	G5T4 S1							
Vascular Plant	<i>Podostemum ceratophyllum</i>	Riverweed	G5 S3							
Vascular Plant	<i>Polymnia cossatotensis</i>	Cossatot Mountain leafcup	G1 S1		X			X	X	X
Vascular Plant	<i>Ptilimnium nodosum</i>	Harperella	LE G2 S2	X	X					X
Vascular Plant	<i>Pycnanthemum virginianum</i>	Virginia mountain mint	G5 S1S2							
Vascular Plant	<i>Quercus acerifolia</i>	Mapleleaf oak	G1 S1		X			X		
Vascular Plant	<i>Quercus arkansana</i>	Arkansas oak	G3 S3							
Vascular Plant	<i>Ribes cynosbati</i>	Prickly gooseberry	G5 S2S3							
Vascular Plant	<i>Rosa foliolosa</i>	White prairie rose	G5 S2							
Vascular Plant	<i>Sanicula smallii</i>	Black snakeroot	G5 S3					X	X	X
Vascular Plant	<i>Scirpus polyphyllus</i>	Leafy bulrush	G5 S2							
Vascular Plant	<i>Solidago ouachitensis</i>	Ouachita Mountain goldenrod	G3 S3		X			X	X	X
Vascular Plant	<i>Spiranthes magnicamporum</i>	Great plains ladies'-tresses	G4 S1							
Vascular Plant	<i>Spiranthes ovalis var. erostellata</i>	Northern oval ladies'-tresses	G5?T4? S1							
Vascular Plant	<i>Stachys iltisii</i>	Hedgenettle	GNR S3					X	X	X
Vascular Plant	<i>Stenosiphon linifolius</i>	False gaura	G5 S1							
Vascular Plant	<i>Streptanthus maculatus ssp. obtusifolius</i>	Arkansas twistflower	G3T3 S3					X		
Vascular Plant	<i>Streptanthus squamiformis</i>	Pineoak jewelflower	G2 S2		X	X	X	X	X	X
Vascular Plant	<i>Thalictrum arkansanum</i>	Arkansas meadow-rue	G2Q		X				X	X
Vascular Plant	<i>Tradescantia ozarkana</i>	Ozark spiderwort	G3 S3		X				X	X
Vascular Plant	<i>Trillium pusillum var. ozarkanum</i>	Ozark least trillium	G3T3 S3		X			X	X	X
Vascular Plant	<i>Valerianella nuttallii</i>	Nuttall's cornsalad	G2? S2		X					
Vascular Plant	<i>Valerianella palmeri</i>	Palmer's cornsalad	G3 S3		X					
Vascular Plant	<i>Verbesina walteri</i>	Carolina crownbeard	G4 S1		X					
Vascular Plant	<i>Vernonia lettermannii</i>	Narrowleaf ironweed	G3 S3		X				X	X
Vascular Plant	<i>Vitis rupestris</i>	Sand grape	G3		X					

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Vascular Plant	<i>Xyris difformis var. difformis</i>	A yellow-eyed grass	G5T5 S2						X	X
Vascular Plant	<i>Zannichellia palustris</i>	Horned pondweed	G5 S2S3						X	X
	TOTAL COUNT	186		7	79	8	8	31	37	43