

Appendix D: Threatened and Endangered Species

Federally Listed Endangered Species Potentially Found in or near the Big Creek Watershed

Species	Listing	Habitat
Indiana Bat (<i>Myotis Sodalis</i>)	Endangered	Maternity and foraging habitat = small stream corridors with well developed riparian woods; upland forests
Fat Pocketbook (<i>Potamilus Capax</i>)	Endangered	Wabash River

State Listings

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Indiana County Endangered, Threatened and Rare Species List

County: Posey

Species Name	Common Name	FED	STATE	GRANK	SRANK
Crustaceans: Malacostraca					
<i>Oreocheilus indanensis</i>	Indiana Crayfish		SR	0303	S1
Mollusk: Bivalvia (Mussels)					
<i>Arctemisia confragosa</i>	Rock Pocketbook			04	S1
<i>Cumberlandia monodonta</i>	Spectaclemuss	C	SR	0303	SR
<i>Cyprogenia stegaria</i>	Baker's Freshell Pearlfussel	LE	SR	01	S1
<i>Epikabasma flexuosa</i>	Luteshell		SR	03	SR
<i>Epikabasma propinqua</i>	Tennessee Riffleshell		SR	03	SR
<i>Epikabasma sampsonii</i>	Wabash Riffleshell		SR	03	SR
<i>Epikabasma torulosa torulosa</i>	Tubercled Biscaron	LE	SR	02TX	S10
<i>Epikabasma triquetra</i>	Smuffton		SR	03	S1
<i>Fusconota subrotunda</i>	Longshell		SR	03	S1
<i>Lampella abrupta</i>	Pink Mucket	LE	SR	02	S1
<i>Lampella ovata</i>	Pocketbook			05	S1
<i>Lampella teres</i>	Yellow Sandshell			05	S1
<i>Leptodes leptodon</i>	Scalleshell	LE	SR	01	SR
<i>Ligumia recta</i>	Black Sandshell			05	S1
<i>Obovata retusa</i>	Ring Pink	LE	SR	01	SR
<i>Obovata subrotunda</i>	Round Hickorynut		SSC	04	S1
<i>Plethobasus clarificosus</i>	White Wartyback	LE	SR	01	S1
<i>Plethobasus cooperianus</i>	Orangefoot Purpleback	LE	SR	01	S1
<i>Plethobasus cyphus</i>	Sheepsnose	C	SR	03	S1
<i>Pleurobema clava</i>	Claveshell	LE	SR	02	S1
<i>Pleurobema cordatum</i>	Ohio Pigtoe		SSC	03	S1
<i>Pleurobema plenum</i>	Rough Pigtoe	LE	SR	01	S1
<i>Pleurobema pyramidatum</i>	Pyramid Pigtoe		SR	02	S1
<i>Potamilus capax</i>	Fat Pocketbook	LE	SR	01	S1
<i>Quadrula cylindrica cylindrica</i>	Rabbittfoot		SR	03T3	S1
<i>Quadrula melanera</i>	Monkeyface			04	S1
<i>Quadrula nodulata</i>	Wartyback			04	S1
<i>Simpsoniella ambigua</i>	Salmonder Mussel		SSC	03	S1
<i>Toxostoma helix</i>	Purple Lilliput		SSC	02	S1
<i>Toxostoma parvum</i>	Lilliput			05	S1
Mollusk: Gastropoda					
<i>Xolotrema obtusatum</i>	Sharp Wedge		SR	03	S1
Insect: Coleoptera (Beetles)					
<i>Neocrophilus petiti</i>	A Carrion Beetle		ST	08R	S17
<i>Nicrophorus americanus</i>	American Burying Beetle	LE	SR	0303	S10
Insect: Ephemeroptera (Mayflies)					
<i>Pentagenia vittigera</i>	A Pottogerman Burrowing Mayfly		ST	05	S1
<i>Tortopus primus</i>	A Mayfly		ST	05	S1
Insect: Lepidoptera (Butterflies & Moths)					
<i>Catocala marmorata</i>	Mottled Underwing Moth		SR	0304	S1
<i>Cyloptila gemma</i>	Gemmed Satyr		SR	05	S1
<i>Eosphronoteryx thyatyroides</i>	Pinkspatched Looper Moth		ST	0403	S1
<i>Euphyes dulcis</i>	Southern Swamp Skipper		ST	03	S1S2
<i>Leimonis detrita</i>	A Moth		SR	05	S1
<i>Salpinctes appalachia appalachia</i>	Appalachian Eyed Brown		SR	04T3	S1
Fish					
<i>Acipenser fulvescens</i>	Lake Sturgeon		SR	0304	S1
<i>Ammocrypta pelucida</i>	Baikal Sand Darter			03	S1
<i>Crystallaria asprella</i>	Crystal Darter			03	SR
<i>Cyprinus elongatus</i>	Blue Sucker			0304	S1
<i>Etheostoma flabio</i>	Bluegill Darter			05	S1
<i>Etheostoma aquimaculops</i>	Spotted Darter			0403	S1

Indiana Natural Heritage Data Center
Division of Nature Preserves

Fed:
State:

LE = Endangered; LT = Threatened; C = candidate; FCL = proposed for delisting
SR = state endangered; ST = state threatened; SS = state rare; SSC = state species of special concern;
SS = state endangered; SSI = state significant; SFL = state list

Indiana Department of Natural Resources

This data is not the result of comprehensive county surveys.

GRANK:

Global Heritage Rank: G1 = globally imperiled globally; G2 = imperiled globally; G3 = rare or uncommon globally; G4 = endangered and abundant globally but with long term concern; G5 = endangered and abundant globally; G7 = assessed; G8 = robust; C = unassessed; T = taxonomic assessment

SRANK:

State Heritage Rank: S1 = critically imperiled in state; S2 = imperiled in state; S3 = rare or uncommon in state; S4 = endangered and abundant in state but with long term concern; S5 = state significant; SR = historical in state; SS = state endangered; S = breeding state; ST = assessed; SRB = assessed; SRG = declining state assessed

Indiana County Endangered, Threatened and Rare Species List

County: Posey

Species Name	Common Name	FED	STATE	GRANK	SRANK
<i>Percina evideri</i>	Gilt Darter		SE	04	S1
<i>Percina uranidea</i>	Stargazing Darter		SX	03	SX
Amphibian					
<i>Cryptobranchius alleganiensis alleganiensis</i>	Bullfrogs		SE	03GHT3T4	S1
<i>Scaphiopus holbrooki holbrooki</i>	Eastern Spadefoot		SSC	05T3	S2
Reptile					
<i>Crotalus horridus</i>	Timber Rattlesnake		SE	04	S2
<i>Kinostemon subrubrum</i>	Eastern Mud Turtle		SE	05	S2
<i>Leocherophis vernalis</i>	Smooth Green Snake		SE	05	S2
<i>Nerodia erythrogaster neglecta</i>	Copperbelly Water Snake	PS:LT	SE	05T2T3	S2
<i>Pseudemys concinna hieroglyphica</i>	Hieroglyphic River Cooter		SE	05T4	S1
<i>Thamnophis proximus</i>	Western Ribbon Snake		SSC	05	S3
Bird					
<i>Ardea alba</i>	Great Egret		SSC	05	S1B
<i>Ardea herodias</i>	Great Blue Heron			05	S4B
<i>Ceryle americana</i>	Brown Creeper			05	S2B
<i>Dendroica cerulea</i>	Cerulean Warbler		SSC	04	S3B
<i>Gavia immer</i>	Common Loon		SX	05	SXB
<i>Haliaeetus leucocephalus</i>	Bald Eagle	LT,FDL	SE	05	S2
<i>Icthyophaga exilis</i>	Least Bittern		SE	05	S3B
<i>Lanius ludovicianus</i>	Loggerhead Shrike	No Status	SE	04	S3B
<i>Lophodytes cucullatus</i>	Hooded Merganser			05	S2S3B
<i>Nyctanassa violacea</i>	Yellow-crowned Night-heron		SE	05	S2B
<i>Pandion haliaetus</i>	Osprey		SE	05	S1B
<i>Phalacrocorax auritus</i>	Double-crested Cormorant		SX	05	S2B
Mammal					
<i>Lutra canadensis</i>	Northern River Otter			05	S2
<i>Lynx rufus</i>	Bobcat	No Status		05	S1
<i>Myotis sodalis</i>	Indiana Bat or Social Myotis	LE	SE	02	S1
<i>Nycticeius humeralis</i>	Evening Bat		SE	05	S1
<i>Sylvilagus aquaticus</i>	Swamp Rabbit		SE	05	S1
<i>Taxidea taxus</i>	American Badger			05	S2
Vascular Plant					
<i>Acotis caroliniana</i>	Carolina Mosquito-fern		ST	05	S2
<i>Calyptocarpum lyoni</i>	Cup-wood		ST	05	S2
<i>Carex auresterola</i>			SE	04NR	S1
<i>Carex bushii</i>	Bush's Sedge		ST	04	S1
<i>Carex gigantea</i>	Large Sedge		ST	04	S1
<i>Carex lupuliformis</i>	Pale Hop Sedge		SR	04	S2
<i>Carex sociata</i>	Social Sedge		SR	04	S2
<i>Catalpa speciosa</i>	Northern Catalpa		SR	04T	S2
<i>Clatonia obliqua</i> var. <i>speciosa</i>	Rose Turtlehead		WL	04T3	S3
<i>Cimicifuga rubrifolia</i>	Appalachian Dogbane		SE	03	S1
<i>Clematis pitcheri</i>	Pitcher Leather-flower		SR	04G3	S2
<i>Crataegus viridis</i>	Green Hawthorn		ST	05	S2
<i>Cuscuta cuspidata</i>	Cup Dodder		SX	05	SX
<i>Cyperus acuminatus</i>	Short-point Flatsedge		SE	05	S1
<i>Cyperus pseudovegetus</i>	Green Flatsedge		SR	05	S2
<i>Delipila diandra</i>	Water-parsnip		SE	05	S2
<i>Diervilla lonicera</i>	Northern Bush-honey-suckle		SR	05	S2
<i>Echinodorus cordifolius</i>	Creeping Star-head		SE	05	S1
<i>Eleocharis wolfii</i>	Wolf Spikerush		SR	03G4	S2
<i>Euphorbia obtusata</i>	Bluntleaf Spurge		SE	05	S1
<i>Festuca paradoxa</i>	Cluster Fescue		ST	05	S1

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 STATE: SE = state endangered, ST = state threatened, SR = state rare, SSC = state species of special concern, SX = state extirpated, SS = state significant, WL = watch list
 GRANK: Global Heritage Rank: G1 = critically imperiled globally, G2 = imperiled globally, G3 = rare or uncommon globally, G4 = widespread and abundant globally but with long term concerns, G5 = widespread and abundant globally, G6 = unranked, G7 = extirpated, G8 = uncertain rank, T = taxonomic status not
 SRANK: State Heritage Rank: S1 = critically imperiled in state, S2 = imperiled in state, S3 = rare or uncommon in state, S4 = widespread and abundant in state but with long term concerns, S5 = state significant, S6 = historical in state, S7 = state extirpated, B = breeding state, ST = unranked, S2B = unranked, S2S3 = candidate status unranked

Indiana County Endangered, Threatened and Rare Species List

County: Vanderburgh

Species Name	Common Name	FED	STATE	GRANK	SRANK
Crustacean: Malacostraca					
<i>Orconectes indianensis</i>	Indiana Crayfish		SR	0203	S2
Mollusk: Bivalvia (Mussels)					
<i>Anodonta confinis</i>	Rock Pocketbook			04	S2
<i>Lampella ovata</i>	Pocketbook			05	S2
<i>Ligumia recta</i>	Black Sandshell			05	S2
<i>Pleurobema cyphus</i>	Sheepsfoot	C	SE	03	S1
<i>Pleurobema coccineum</i>	Round Pigtoe			04	S3
<i>Pleurobema cordatum</i>	Ohio Pigtoe		SSC	03	S2
<i>Quadrula cylindrica cylindrica</i>	Rabbitfoot		SE	03T3	S1
<i>Quadrula metanema</i>	Monkeyface			04	S3
<i>Quadrula nodulata</i>	Wartyback			04	S3
Insect: Coleoptera (Beetles)					
<i>Microphorus americanus</i>	American Diving Beetle	LE	SX	0203	S8
Insect: Lepidoptera (Butterflies & Moths)					
<i>Catocala marmorata</i>	Marbled Underwing Moth		SE	0304	S1
Fish					
<i>Etheostoma squamiceps</i>	Spotted Darter			0403	S1
Amphibian					
<i>Cryptobranchius alleganiensis alleganiensis</i>	Hellbender		SE	0304T3T4	S1
Reptile					
<i>Nerodia erythrogaster neglecta</i>	Copperbelly Water Snake	PS:LT	SE	05T2T3	S2
Bird					
<i>Actitis alba</i>	Oost Egret		SSC	05	S1B
<i>Bartramia longicauda</i>	Upland Sandpiper		SE	05	S3B
<i>Catopterus platensis</i>	Sedge Wren		SE	05	S3B
<i>Falco peregrinus</i>	Peregrine Falcon	No Status	SE	04	S2B
<i>Larus ludovicianus</i>	Loggerhead Shrike	No Status	SE	04	S3B
<i>Lophodytes cucullatus</i>	Hooded Merganser			05	S2S3B
Mammal					
<i>Lynx rufus</i>	Bobcat	No Status		05	S1
<i>Sylvilagus aquaticus</i>	Swamp Rabbit		SE	05	S1
<i>Taxidea taxus</i>	American Badger			05	S2
Vascular Plant					
<i>Carex sociata</i>	Social Sedge		SR	04	S2
<i>Catalpa speciosa</i>	Northern Catalpa		SR	04T	S2
<i>Chamaelirium luteum</i>	Devil's-bit		SE	05	S1
<i>Crataegus viridis</i>	Green Hawthorn		ST	05	S2
<i>Delphinium elatum</i>	Water-pentstemon		SE	05	S2
<i>Hottonia inflata</i>	Featherfoil		ST	04	S2
<i>Isotria medeoloides</i>	Blackfoot Quillwort		ST	05	S1
<i>Krigia oppositifolia</i>	Dwarf Dandelion		ST	04R	S2
<i>Orobancha ludoviciana</i>	Louisiana Brodiaea		SE	05	S2
<i>Passiflora incarnata</i>	Purple Passion-flower		SR	05	S2
<i>Thalictrum flavum</i>	Blue Scorpion-weed		SE	04	S1
<i>Rhiza mariana</i> var. <i>mariana</i>	Maryland Muskow Beauty		ST	05T3	S1
<i>Silene ovata</i>	Crested Catchfly		SE	03	S1
<i>Taxodium distichum</i>	Bald Cypress		ST	05	S2
<i>Vitis palmata</i>	Catawba Grape		SR	04	S2
High Quality Natural Community					
Forest - floodplain wet	Wet Floodplain Forest		SO	03T	S3
Forest - floodplain wet-mesic	Wet-mesic Floodplain Forest		SO	03T	S3
Forest - upland dry-mesic	Dry-mesic Upland Forest		SO	04	S4
Forest - upland mesic	Mesic Upland Forest		SO	03T	S3

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 SX = state extirpated, S2 = state significant, S1L = watch list
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 SRANK: State Heritage Rank: S1 = critically imperiled in state, S2 = imperiled in state, S3 = rare or uncommon in state, S4 = endangered and abundant in state but with long term concerns, S5 = state significant, S6 = historical in state, S7 = state extirpated, S8 = breeding state, S9 = unranked, S10 = unranked, S11A = no longer being actively monitored