

APPENDIX G

**STATE LISTED THREATENED AND ENDANGERED
SPECIES**

Table G-1: State Listed Threatened and Endangered Species in the Study Area

State	Type	Common Name	Scientific Name	Status
Ohio	Mammals	Indiana Bat	<i>Myotis Sodalis</i>	Endangered
		Allegheny Woodrat	<i>Neotoma magister</i>	Endangered
		Bobcat	<i>Felis rufus</i>	Endangered
		Black Bear	<i>Ursus americanus</i>	Endangered
		Snowshoe Hare	<i>Lepus americanus</i>	Endangered
	Birds	American Bittern	<i>Botaurus lentiginosus</i>	Endangered
		Bald Eagle	<i>Haliaeetus leucocephalus</i>	Endangered
		Northern Harrier	<i>Circus cyaneus</i>	Endangered
		Peregrine Falcon	<i>falco peregrinus</i>	Endangered
		King Rail	<i>Rallus elegans</i>	Endangered
		Sandhill Crane	<i>Grus canadensis</i>	Endangered
		Piping Plover	<i>Charadrius melodus</i>	Endangered
		Common Tern	<i>Sierna hirundo</i>	Endangered
		Black Tern	<i>Chlidonias niger</i>	Endangered
		Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	Endangered
		Bewick's Wren	<i>Thryomanes bewickii</i>	Endangered
		Loggerhead Shrike	<i>Lanius ludovicianus</i>	Endangered
		Golden-winged Warbler	<i>Vermivora chrysoptera</i>	Endangered
		Kirtland's Warbler	<i>Dendroica kirtlandii</i>	Endangered
		Lark Sparrow	<i>Chondestes grammacus</i>	Endangered
		Osprey	<i>Pandion haliaetus</i>	Endangered
		Trumpeter Swan	<i>Cygnus buccinator</i>	Endangered
		Snowy Egret	<i>Egretta thula</i>	Endangered
		Cattle Egret	<i>Bubulcus ibis</i>	Endangered
	Reptiles	Copperbelly Water Snake	<i>Neodia erythrogaster neglecta</i>	Endangered
		Eastern Plains Garter Snake	<i>Thamnophis radix radix</i>	Endangered
		Timber Rattlesnake	<i>Crotalus horridus horridus</i>	Endangered
		Eastern Massasauga	<i>Sistrurus catenatus</i>	Endangered
		Lake Erie Water Snake	<i>Nerodia sipedon insularum</i>	Endangered
	Amphibians	Easter Hellbender	<i>Cryptobranchus alleganiensis alleganiensis</i>	Endangered
		Blue-spotted Salamander	<i>Ambystoma laterale</i>	Endangered
		Green Salamander	<i>Aneides aeneus</i>	Endangered
		Cave Salamander	<i>Eurycea lucifuga</i>	Endangered
		Eastern Spadefoot	<i>Scaphiopus holbrookii</i>	Endangered
	Fishes	Ohio Lamprey	<i>Ichthyomyzon bdellium</i>	Endangered
		Northern Brook Lamprey	<i>Ichthyomyzon fossor</i>	Endangered
		Mountain Brook Lamprey	<i>Ichthyomyzon greeleyi</i>	Endangered
		Lake Sturgeon	<i>Acipenser fulvescens</i>	Endangered
		Shovelnose Sturgeon	<i>Scaphirhynchus platyrhynchus</i>	Endangered
		Spotted Gar	<i>Lepisosteus oculatus</i>	Endangered
		Cisco or Lake Herring	<i>Coregonus artedii</i>	Endangered
		Pugnose Minnow	<i>Opsopoeodus emiliae</i>	Endangered
		Popeye Shiner	<i>Notropis ariommus</i>	Endangered
		Blackchin Shiner	<i>Notropis heterodon</i>	Endangered
		Blacknose Shiner	<i>Notropis heterolepis</i>	Endangered
		Mississippi Silvery Minnow	<i>Hybognathus nuchalis</i>	Endangered
		Blue Sucker	<i>Cycleptus elongatus</i>	Endangered
		Longnose Sucker	<i>Catostomus catostomus</i>	Endangered
		Blue Catfish	<i>Ictalurus furcatus</i>	Endangered
		Mountain Madtom	<i>Noturus eleutherus</i>	Endangered
Northern Madtom		<i>Norturus stigmatosus</i>	Endangered	
Scioto Madtom		<i>Noturus trautmani</i>	Endangered	
Pirate Perch		<i>Aphredoderus sayanus</i>	Endangered	
Western Banded Killifish		<i>Fundulus diaphanus menona</i>	Endangered	
Spotted Darter		<i>Etheostoma maculatum</i>	Endangered	
Shortnose Gar		<i>Lepisosteus platostomus</i>	Endangered	
Goldeye		<i>Hiodon alosoides</i>	Endangered	
Speckled Chub	<i>Macrhybopsis aestivalis</i>	Endangered		
Mollusks	Fanshell	<i>Cyprogenia stegaria</i>	Endangered	
	Butterfly	<i>Ellipsaria lineolata</i>	Endangered	
	Elephant-ear	<i>Elliptio crassidens crassidens</i>	Endangered	
	Purple Catspaw	<i>Epioblasma obliquata obliquata</i>	Endangered	
	White Catspaw	<i>Epioblasma obliquata perobliqua</i>	Endangered	
	Northern Riffleshell	<i>Epioblasma torulosa rangiana</i>	Endangered	
	Long-solid	<i>Fusconaia maculata maculata</i>	Endangered	
	Pink Mucket	<i>Lampsilis orbiculata</i>	Endangered	
	Sharp-ridged Pocketbook	<i>Lampsilis ovata</i>	Endangered	
	Yellow Sandshell	<i>Lampsilis teres</i>	Endangered	

Table G-1: State Listed Threatened and Endangered Species in the Study Area					
State	Type	Common Name	Scientific Name	Status	
		Eastern Pondmussel	<i>Ligumia nasuta</i>	Endangered	
		Washboard	<i>Megaloniaias nervosa</i>	Endangered	
		Sheepnose	<i>Plethobasus cyphyus</i>	Endangered	
		Clubshell	<i>Pleurobema clava</i>	Endangered	
		Ohio Pigtoe	<i>Pleurobema cordatum</i>	Endangered	
		Pyramid Pigtoe	<i>Pleurobema rubrum</i>	Endangered	
		Rabbitsfoot	<i>Quadrula cylindrica cylindrica</i>	Endangered	
		Monkeyface	<i>Quadrula metanevra</i>	Endangered	
		Wartyback	<i>Quadrula nodulata</i>	Endangered	
		Puple Lilliput	<i>Toxolasma lividus</i>	Endangered	
		Rayed Bean	<i>Villosa fabalis</i>	Endangered	
		Little Spectaclecase	<i>Villosa lienosa</i>	Endangered	
		Snuffbox	<i>Epioblasma triquetra</i>	Endangered	
		Ebonysell	<i>Fusconaia ebena</i>	Endangered	
		Dragonflies	Hine's Emerald	<i>Somatochlora hineana</i>	Endangered
			Mottled Darner	<i>Aeshna clepsydra</i>	Endangered
	Plains Clubtail		<i>Gomphus externus</i>	Endangered	
	American Emerald		<i>Codulia shurtleffi</i>	Endangered	
	Uhler's Sundragon		<i>Helocordulia uhleri</i>	Endangered	
	Frosted Whiteface		<i>Leucorrhinia frigida</i>	Endangered	
	Elfin Skimmer		<i>Nannothemis bella</i>	Endangered	
	Canada Darner		<i>Aeshna canadensis</i>	Endangered	
	Racket-tailed Emerald		<i>Dorocordulia libera</i>	Endangered	
	Brush-tipped Emerald		<i>Somatochlora walshii</i>	Endangered	
	Blue Corporal		<i>Ladona deplanata</i>	Endangered	
	Chalk-fronted Corporal		<i>Ladona julia</i>	Endangered	
	Yellow-sided Skimmer		<i>Libellula flavida</i>	Endangered	
	Damselies	Seepage Dancer	<i>Argia bipunctulata</i>	Endangered	
		Lillypad Forktail	<i>Ischnura kellicotti</i>	Endangered	
	Caddisflies		<i>Chimarra socia</i>	Endangered	
			<i>Oecetis eddlestoni</i>	Endangered	
			<i>Brachycentrus numerosus</i>	Endangered	
	Mayflies		<i>Rhithrogena pellucida</i>	Endangered	
			<i>Litobrancha recurvata</i>	Endangered	
	Midges		<i>Rheopelopia acra</i>	Endangered	
	Butterflies	Persius Dusky Wing	<i>Erynnis persius</i>	Endangered	
		Frosted Elfin	<i>Incisalia irus</i>	Endangered	
		Karner Blue	<i>Lycaeides melissa samuelis</i>	Endangered	
		Puplish Copper	<i>Lycaena helloides</i>	Endangered	
		Swamp Metalmark	<i>Calephelis muticum</i>	Endangered	
		Regal Fritillary	<i>Speyeria idalia</i>	Endangered	
		Mitchell's satyr	<i>Neonympha mitchellii</i>	Endangered	
		Moths	Unexpected Cynnia	<i>Cynnia inopinatus</i>	Endangered
	Graceful Underwing		<i>Catocala gracilis</i>	Endangered	
			<i>Spartiniphaga inops</i>	Endangered	
			<i>Hypocoena enervata</i>	Endangered	
			<i>Papaipema silphii</i>	Endangered	
			<i>Papaipema beeriana</i>	Endangered	
			<i>Lithophane semiusta</i>	Endangered	
			<i>Trichoclea artesta</i>	Endangered	
			<i>Tricholita notata</i>	Endangered	
			<i>Melanchnra assimilis</i>	Endangered	
	Pointed Sallow		<i>Epiglaea apiata</i>	Endangered	
			<i>Ufeus plicatus</i>	Endangered	
			<i>Ufeus satyricus</i>	Endangered	
	Hebar's Noctuid Moth		<i>Erythroecia hebari</i>	Endangered	
	Beetles		Kramer's Cave Beetle	<i>Pseudanopthalmus krameri</i>	Endangered
		Ohio Cave Beetle	<i>Pseudanopthalmus ohioensis</i>	Endangered	
		American Burying Beetle	<i>Nicrophorus americanus</i>	Endangered	
	Michigan	Mollusks - Mussels	White Catspaw	<i>Epioblasma obliqua perobliqua</i>	Endangered
			Northern Riffleshell	<i>Epioblasma torulosa rangiana</i>	Endangered
			Snuffbox	<i>Epioblasma triquetra</i>	Endangered
			Round Hickorynut	<i>Obovaria subrotunda</i>	Endangered
			Clubshell	<i>Pleurobema clava</i>	Endangered
			Salamander Mussle	<i>Simpsonaias ambigua</i>	Endangered
			Purple Lilliput	<i>Toxolasma lividus</i>	Endangered
			Rayed Bean	<i>Villosa fabalis</i>	Endangered

Table G-1: State Listed Threatened and Endangered Species in the Study Area

State	Type	Common Name	Scientific Name	Status
		Lake Floater	<i>Anodonta subgibbosa</i>	Threatened
		Wavrayed Lampmussel	<i>Lampsilis fasciola Rafinesque</i>	Threatened
	Mollusks - Snails	Acorn Ramshorn	<i>Planorbella multivolvis</i>	Endangered
		Petoskey Pondsnaail	<i>Stagnicola petoskeyensis</i>	Endangered
		Cherrystone Drop	<i>Hendersonia occulta</i>	Threatened
		Deepwater Pondsnaail	<i>Stagnicola contracta</i>	Threatened
	Insects	Hungerford's Crawling Water Beetle	<i>Brychius hungerfordi Spangler</i>	Endangered
		Three-staff Underwing	<i>Catocala amestris Strecker</i>	Endangered
		French Mitchell's Satyr	<i>Neonympha mitchellii mitchellii</i>	Endangered
		American Burying Beetle	<i>Nicrophorus americanus Olivier</i>	Endangered
		Phlox Moth	<i>Schinia indiana</i>	Endangered
		Leadplant Moth	<i>Schinia lucens</i>	Endangered
		Hine's Emerald Dragonfly	<i>Somatochlora hineana Williamson</i>	Endangered
		Regal Fritillary	<i>Speyeria idalia</i>	Endangered
		Dusted Skipper	<i>Atrytonopsis hianna Scudder</i>	Threatened
		Persius Dusky Wing	<i>Erynnis persius persius Scudder</i>	Threatened
		Dukes' Skipper	<i>Euphyes dukesi</i>	Threatened
		Ottoe Skipper	<i>Hesperia ottoe Edwards</i>	Threatened
		Frosted Elfin	<i>Incalia irus Godart</i>	Threatened
		Great Plains Spittlebug	<i>Lepyronia gibbosa Ball</i>	Threatened
		Northern Blue	<i>Lycaeides idas nobokovi Masters</i>	Threatened
		Karner Blue	<i>Lycaeides melissa samuelis Nabakov</i>	Threatened
		Powesheik Skipperling	<i>Oarisma powesheik</i>	Threatened
		Silphium Borer Moth	<i>Papaipema silphii Bird</i>	Threatened
		Lake Huron Locust	<i>Trimerotropis huroniana E. M. Walker</i>	Threatened
	Fishes	Redside Dace	<i>Clinostomus elongatus</i>	Endangered
		Creek Chubsucker	<i>Erimyzon oblongus</i>	Endangered
		Silver Shiner	<i>Notropis photogenis</i>	Endangered
		Northern Madtom	<i>Noturus stigmosus Taylor</i>	Endangered
		Pugnose Minnow	<i>Opsopoeodus emiliae Hay</i>	Endangered
		River Darter	<i>Percina shumardi</i>	Endangered
		Channel Darter	<i>Percina copelandi</i>	Endangered
		Southern Redbelly Dace	<i>Phoxinus erythrogaster</i>	Endangered
		Lake Sturgeon	<i>Acipenser fulvescens Rafinesque</i>	Threatened
		Eastern Sand Darter	<i>Ammocrypta pellucida</i>	Threatened
		Cisco or Lake Herring	<i>Coregonus artedi Lesueur</i>	Threatened
		Shortjaw Cisco	<i>Coregonus zenithicus</i>	Threatened
		Mooneye	<i>Hiodon tergisus Lesueur</i>	Threatened
		River Redhorse	<i>Moxostoma carinatum</i>	Threatened
		Sauger	<i>Stizostedion canadense</i>	Threatened
		Deepwater Cisco	<i>Coregonus johannae</i>	Extirpated
		Blackfin Cisco	<i>Coregonus nigripinnis</i>	Extirpated
		Shortnose Cisco	<i>Coregonus reighardi</i>	Extirpated
		Bigeye Chub	<i>Notropis smblops</i>	Extirpated
		Ironcolor Shiner	<i>Notropis chalybaeus</i>	Extirpated
		Weed Shiner	<i>Notroopsis texanus</i>	Extirpated
		Paddlefish	<i>Polyodon spathula</i>	Extirpated
		Bluepike	<i>Stizostedion vitreum glaucum</i>	Extirpated
		Artic Grayling	<i>Thymallus arcticus</i>	Extirpated
	Amphibians	Smallmouth Salamander	<i>Ambystoma texanum</i>	Endangered
		Marbled Salamander	<i>Ambystoma opacum</i>	Threatened
	Reptiles	Kirtland's Snake	<i>Clonophis kirtlandii</i>	Endangered
		Copperbelly Watersnake	<i>Nerodia erythrogaster neglecta</i>	Endangered
		Eastern Fox Snake	<i>Elaphe vulpina gloydi Conant</i>	Threatened
		Spotted Turtle	<i>Clemmys guttata</i>	Threatened
	Birds	Short-eared Owl	<i>Asio flammeus</i>	Endangered
		Piping Plover	<i>Charadrius melodus Ord</i>	Endangered
		Prairie Warbler	<i>Dendroica discolor</i>	Endangered
		Kirtland's Warbler	<i>Dendroica kirtlandii</i>	Endangered
		Peregrine Falcon	<i>Falco peregrinus Tunstall</i>	Endangered
		Migrant Loggerhead Shrike	<i>Lanius ludovicianus migrans</i>	Endangered
		King Rail	<i>Rallus elegans Audubon</i>	Endangered
		Barn Owl	<i>Tyto alba</i>	Endangered
		Henslow's Sparrow	<i>Ammodramus henslowii Audubon</i>	Threatened
		Long-eared Owl	<i>Asio otis</i>	Threatened
		Red-shouldered Hawk	<i>Buteo lineatus</i>	Threatened
		Yellow Rail	<i>Corturnicops noveboracensis</i>	Threatened
		Yellow-throated Warbler	<i>Dendroica dominica</i>	Threatened

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State	Type	Common Name	Scientific Name	Status
		Merlin	<i>Falco columbarius</i>	Threatened
		Common Loon	<i>Gavia immer</i>	Threatened
		Bald Eagle	<i>Haliaeetus leucocephalus</i>	Threatened
		Least Bittern	<i>Ixobrychus exilis</i>	Threatened
		Osprey	<i>Pandion haliaetus</i>	Threatened
		Caspian Tern	<i>Sterna caspia Pallas</i>	Threatened
		Common Tern	<i>Sterna hirundo Linnaeus</i>	Threatened
		Trumpeter Swan	<i>Cygnus buccinator Richardson</i>	Threatened
		Lark Sparrow	<i>Chondestes grammacus</i>	Extirpated
	Mammals	Cougar	<i>Felis concolor Linnaeus</i>	Endangered
		Lynx	<i>Lynx canadensis Kerr</i>	Endangered
		Prairie Vole	<i>Microtus ochrogaster</i>	Endangered
		Indiana Bat	<i>Myotis sodalis Miller and Allen</i>	Endangered
		Gray Wolf	<i>Canis lupus Linnaeus</i>	Threatened
		Least Shrew	<i>Cryptotis parva</i>	Threatened
	Plants	Gattinger's Gerardia	<i>Agalinas gattingeri Small</i>	Endangered
		Skinner's Gerardia	<i>A. skinneriana (A. Wood) Britton</i>	Endangered
		Small Round-leaved Orchis	<i>Amerorchis rotundifolia</i>	Endangered
		Dwarf Milkweed	<i>Asclepias ovalifolia Dcne.</i>	Endangered
		Rock-jasmine	<i>Androsace occidentalis Pursh</i>	Endangered
		Heart-leaved Arnica	<i>Arnica cordifolia Hooker</i>	Endangered
		Wall-rue	<i>Asplenium ruta-muraria L.</i>	Endangered
		Hart's-tongue Fern	<i>A. scolopendrium L. var. americana</i>	Endangered
		Cream Wild Indigo	<i>Baptisia leucophaea Nutt.</i>	Endangered
		Moonwort	<i>Botrychium acuminatum W. H. Wagner</i>	Endangered
		Hudson Bay Sedge	<i>Carex heleonastes Ehrh.</i>	Endangered
		Black Sedge	<i>C. nigra (L.) Reichard</i>	Endangered
		Straw Sedge	<i>C. straminea Willd.</i>	Endangered
		American Chestnut	<i>Castanea dentata (Marsh.) Borkh.</i>	Endangered
		Rock-rose	<i>Chamaerhodos nuttallii Fern</i>	Endangered
		Purple Turtlehead	<i>Chelone obliqua L.</i>	Endangered
		American Rock-brake	<i>Cryptogramma acrostichoides R. Br.</i>	Endangered
		Fairy Bells	<i>Disporum hookeri (Torrey) Nicholson</i>	Endangered
		Shooting Star	<i>Dodecatheon meadia L.</i>	Endangered
		Smooth Whitlow Grass	<i>Draba glabella Pursh.</i>	Endangered
		Dwarf Burhead	<i>Echinodorus tenellus (Mart.) Buchenau</i>	Endangered
		Purple Spike Rush	<i>Eleocharis atropurpurea (Retz.) Kunth</i>	Endangered
		Small-fruited Spike-rush	<i>E. microcarpa Torrey</i>	Endangered
		Slender Spike Rush	<i>E. nitida Fern.</i>	Endangered
		White Gentian	<i>Gentiana flavida A. Gray</i>	Endangered
		Downy Gentian	<i>G. puberulenta J. Pringle</i>	Endangered
		Norther Oak Fern	<i>Gymnocarpium jessoense</i>	Endangered
		Alpine Sainfoin	<i>Hedysarum alpinum L.</i>	Endangered
		Lakeside Daisy	<i>Hymenoxys herbacea (Greene) Cusick</i>	Endangered
		Engelmann's Quillwort	<i>Isoetes engelmannii A. Braun</i>	Endangered
		Smaller Whorled Pognia	<i>Isotria medeoloides (Pursh) Raf.</i>	Endangered
		Climbing Fern	<i>Lygodium palmatum (Bernh.) Sw.</i>	Endangered
		Michigan Monkey Flower	<i>Mimulus glabratus var. michiganensis (Pennell) Fassett</i>	Endangered
		Small Yellow Pond Lily	<i>Nuphar pumila (Timm) DC.</i>	Endangered
		Pygmy Water Lily	<i>Nymphaea tetragona Georgi</i>	Endangered
		Fragile Prickly Pear	<i>Opuntia fragilis (Nutt.) Haw.</i>	Endangered
		Many-flowered Panic Grass	<i>Panicum polyanthes Schultes</i>	Endangered
		Slender Beard Tongue	<i>Penstemon gracilis Nutt.</i>	Endangered
		Prairie White-fringed Orchid	<i>Plantanthera leucophaea (Nutt.) Lindley</i>	Endangered
		Heart-leaved Plantain	<i>Plantago cordata Lam.</i>	Endangered
		Canby's Bluegrass	<i>Poa canbyi (Scribner) Piper</i>	Endangered
		Swamp or Black Cottonwood	<i>Populus heterophylla L.</i>	Endangered
		Mermaid-weed	<i>Proserpinaca pectinata Lam.</i>	Endangered
		Globe Beak-rush	<i>Rhynchospora globularis (Chapman) Small</i>	Endangered
		Dwarf Raspberry	<i>Rubus acaulis Michaux</i>	Endangered
		Western Dock	<i>Rumex occidentalis S. Wats</i>	Endangered
		Few-flowered Nut Rush	<i>Scleria pauciflora Willd.</i>	Endangered
		Awlwort	<i>Subularia aquatica L.</i>	Endangered
		Painted Trillium	<i>Trillium undulatum Willd.</i>	Endangered
		Floating Bladderwort	<i>Utricularia inflata Walter</i>	Endangered
		Mountain Cranberry	<i>Vaccinium vitis-idaea L.</i>	Endangered
		Walking Fern	<i>Asplenium rhizophyllum L.</i>	Threatened
		Green Spleenwort	<i>A. trichomanes-ramosum L.</i>	Threatened

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State	Type	Common Name	Scientific Name	Status
		Small Log Fern	<i>Dryopteris celsa</i> (W. Palmer) Small	Threatened
		Limestone Oak Fern	<i>Gymnocarpium robertianum</i> (Hoffman) Newman	Threatened
		Northern Woodsia	<i>Woodsia alpina</i> (Bolton) S. F. Gray	Threatened
		Blunt-lobed Woodsia	<i>W. obtusa</i> (Sprengel) Torrey	Threatened
		Clubmoss	<i>Lycopodiella margaritae</i> J. G. Bruce, W. H. Wagner, & Beitel	Threatened
		Prairie Moonwort or Dunewort	<i>Botrychium campestre</i> W. H. Wagner	Threatened
		Western Moonwort	<i>B. hesperium</i> (Maxon & Clausen) W. H. Wagner & Lellinger	Threatened
		Goblin Moonwort	<i>B. mormo</i> W. H. Wagner	Threatened
		Southeastern Adder's-tongue	<i>Ophioglossum vulgatum</i> L.	Threatened
		Purple Cliff Brake	<i>Pellaea atropurpurea</i> (L.) Link	Threatened
		Arrowhead	<i>Sagittaria montevidensis</i> Cham. & Schlecht	Threatened
		Sedge	<i>Carex albolutescens</i> Schw.	Threatened
		Assiniboia Sedge	<i>C. assiniboinensis</i> W. Boott	Threatened
		Sedge	<i>C. atratiformis</i> Britton	Threatened
		Sedge	<i>C. conjuncta</i> F. Boott.	Threatened
		Raven's-foot Sedge	<i>C. crus-corvi</i> Kunze	Threatened
		False Hop Sedge	<i>C. lupuliformis</i> Dewey	Threatened
		Sedge	<i>C. media</i> R. Br.	Threatened
		New England Sedge	<i>C. novae-angliae</i> Schwein.	Threatened
		Eastern Few-fruited Sedge	<i>C. oligocarpa</i> Willd.	Threatened
		Broad-leaved sedge	<i>C. platyphylla</i> Carey	Threatened
		Ross's Sedge	<i>C. rossii</i> Boott	Threatened
		Bulrush Sedge	<i>C. scirpoidea</i> Michaux	Threatened
		Sedge	<i>C. seorsa</i> Howe	Threatened
		Cattail Sedge	<i>C. typhina</i> Michaux	Threatened
		Wiegand's Sedge	<i>C. wiegandii</i> Mackenzie	Threatened
		Spike Rush	<i>Eleocharis geniculata</i> (L.) R & S.	Threatened
		Flattened Spike Rush	<i>E. compressa</i> Sulliv.	Threatened
		Dwarf Spike Rush	<i>E. parvula</i> (R. & S.) Link.	Threatened
		Three-ribbed Spike Rush	<i>E. tricostrata</i> Torrey	Threatened
		Umbrella Grass	<i>Fuirena squarrosa</i> Michaux	Threatened
		Bald Rush	<i>Psilocarya scirpoides</i> Torrey	Threatened
		Hall's Bulrush	<i>Scirpus hallii</i> A. Gray	Threatened
		Olney's Bulrush	<i>S. americanus</i> Pers.	Threatened
		Netted Nut Rush	<i>Scleria reticularis</i> Michaux	Threatened
		Dwarf Lake Iris	<i>Iris lacustris</i> Nutt.	Threatened
		Atlantic Blue-eyed-grass	<i>Sisyrinchium atlanticum</i> Bickn.	Threatened
		Short-fruited Rush	<i>Juncus brachycarpus</i> Engelm.	Threatened
		Bayonet Rush	<i>J. militaris</i> Bigelow	Threatened
		Scirpus-like Rush	<i>J. scirpoides</i> Lam.	Threatened
		Moor Rush	<i>J. stygius</i> L.	Threatened
		Vasey's rush	<i>J. vaseyi</i> Engelm.	Threatened
		Small-flowered Wood Rush	<i>Luzula parviflora</i> (Ehrh.) Desv.	Threatened
		Watermeal	<i>Wolffia papulifera</i> Thompson	Threatened
		Chives	<i>Allium schoenoprasum</i> L. (native variety)	Threatened
		Wild Hyacinth	<i>Camassia scilloides</i> (Raf.) Cory	Threatened
		Northern Fairy Bells	<i>Disporum trachycarpum</i> (Wats) B. & H.	Threatened
		Flase Asphodel	<i>Tofieldia pusilla</i> (Michaux) Pers.	Threatened
		Snow Trillium	<i>Trillium nivale</i> Riddell	Threatened
		Prairie trillium	<i>T. recurvatum</i> Beck	Threatened
		Toadshade	<i>T. sessile</i> L.	Threatened
		Calypso or Fairy-slipper	<i>Calypso bulbosa</i> (L.) Oakes	Threatened
		White Lady Slipper	<i>Cypripedium candidum</i> Willd.	Threatened
		Showy Orchis	<i>Galearis spectabilis</i> (L.) Raf.	Threatened
		Whorled Pogonia	<i>Isotria verticillata</i> (Willd.) Raf.	Threatened
		Orange- or Yellow-fringed Rchis	<i>Platanthera ciliaris</i> (L.) Lindley	Threatened
		Lesser Ladies'-tresses	<i>Spiranthes ovalis</i> Lindley	Threatened
		Cranefly Orchid	<i>Tipularia discolor</i> (Pursh) Nutt.	Threatened
		Nodding Pogonia or Three Birds Orchid	<i>Triphora trianthophora</i> (Sw.) Rydb.	Threatened
		Three-awned Grass	<i>Aristida longespica</i> Poiret	Threatened
		Beach Three-awned Grass	<i>A. tuberculosa</i> Nutt.	Threatened
		Slough Grass	<i>Beckmannia syzigachne</i> (Steudel) Fern.	Threatened
		Torrey Side Oatsa Grama	<i>Bouteloua curtipendula</i> (Michaux)	Threatened
		Pumpelly's Bromegrass	<i>Bromus pumpellianus</i> Scribner	Threatened
		Northern Reedgrass	<i>Calamagrostis lacustris</i> (Kearney) Nash	Threatened
		Narrow-leaved Reedgrass	<i>C. stricta</i> (Timm) Koeler	Threatened
		Wild Oats	<i>Chasmanthium latifolium</i> (Michx.) Yates	Threatened
		Beak Grass	<i>Diarrhena americana</i> Beauv.	Threatened

Table G-1: State Listed Threatened and Endangered Species in the Study Area

State	Type	Common Name	Scientific Name	Status
		Rough Fescue	<i>Festuca scabrella</i> Torrey	Threatened
		Mat Muhly	<i>Muhlenbergia richardsonis</i> (Trin.) Rydb.	Threatened
		Canada Rice Grass	<i>Oryzopsis canadensis</i> (Poiret) Torrey	Threatened
		Leiber's Panic Grass	<i>Panicum leibergii</i> (Vasey) Scribner	Threatened
		Panic Grass	<i>P. longifolium</i> Torrey	Threatened
		Warty Panic Grass	<i>P. verrucosum</i> Muhl.	Threatened
		Alpine Bluegrass	<i>Poa alpina</i> L.	Threatened
		Bog bluegrass	<i>P. paludigena</i> Fern. & Wieg.	Threatened
		Wild Rice	<i>Zizania aquatica</i> var. <i>aquatica</i> L.	Threatened
		Waterthread Pondweed	<i>Potamogeton bicupulatus</i> Fern.	Threatened
		Hill's Pondweed	<i>P. hillii</i> Morong	Threatened
		Spotted Pondweed	<i>P. pulcher</i> Tuckerman	Threatened
		Vasey's Pondweed	<i>P. vaseyi</i> Robins	Threatened
		Widgeon Grass	<i>Ruppia maritima</i> L.	Threatened
		Water Willow	<i>Justicia americana</i> (L.) Vahl	Threatened
		Hairy Wild Petunia	<i>Ruellia humilis</i> Nutt.	Threatened
		Smooth Wild Petunia	<i>R. strepens</i> L.	Threatened
		Cut-leaved Water Parsnip	<i>Berula erecta</i> (Nutt.) Fern.	Threatened
		Rattlesnake-master or Button Snakeroot	<i>Eryngium yuccifolium</i> Michaux	Threatened
		Sweet Cicely	<i>Osmorhiza depauperata</i> Phil.	Threatened
		Prairie Golden Alexanders	<i>Zizia aptera</i> (A. Gray) Fern	Threatened
		Devil's Club	<i>Oplopanax horridus</i> (Smith) Miq.	Threatened
		Ginseng	<i>Panax quinquefolium</i> L.	Threatened
		Virginia Snakeroot	<i>Aristolochia serpentaria</i> L.	Threatened
		Tall Green Milkweed	<i>Asclepias hirtella</i> (Pennell) Woodson	Threatened
		Sullivant's Milkweed	<i>A. sullivantii</i> Engelm.	Threatened
		Prairie or Pale Agoseris	<i>Agoseris glauca</i> (Pursh) Raf.	Threatened
		Rosy Pussytoes	<i>Antennaria rosea</i> Greene	Threatened
		Western mugwort	<i>Artemisia ludoviciana</i> Nutt.	Threatened
		Forked Aster	<i>Aster furcatus</i> Burgess	Threatened
		Great Northern Aster	<i>A. modestus</i> Lindley	Threatened
		Western Silvery Aster	<i>A. sericeus</i> Vent.	Threatened
		Pitcher's Thistle	<i>Cirsium pitcheri</i> (Eaton) Torrey & A. Gray	Threatened
		Prairie Coreopsis	<i>Coreopsis palmata</i> Nutt.	Threatened
		Hyssop-leaved fleabane	<i>Erigeron hyssopifolius</i> Michaux	Threatened
		Hollow-stemmed Joe-pye Weed	<i>Eupatorium fistulosum</i> Barratt	Threatened
		Upland Boneset	<i>E. sessilifolium</i> L.	Threatened
		Woodland Everlasting	<i>Gnaphalium sylvaticum</i> L.	Threatened
		Downy Sunflower	<i>Helianthus mollis</i> Lam.	Threatened
		Woodland Lettuce	<i>Lactuca floridana</i> (L.) Gaertner	Threatened
		Wild Blue Lettuce	<i>L. pulchella</i> (Pursh) DC.	Threatened
		Sweet Coltsfoot	<i>Petasites sagittatus</i> (Pursh) A. Gray	Threatened
		Yellow-flowered Leafcup	<i>Polymnia uvedalia</i> L.	Threatened
		Northern ragwort	<i>Senecio indecorus</i> Greene	Threatened
		Rosinweed	<i>Silphium integrifolium</i> Michaux	Threatened
		Compass plant	<i>S. laciniatum</i> L.	Threatened
		Cup plant	<i>S. perfoliatum</i> L.	Threatened
		Houghton's Goldenrod	<i>Solidago houghtonii</i> A. Gray	Threatened
		Missouri Goldenrod	<i>S. missouriensis</i> Nutt.	Threatened
		Lake Huron tansy	<i>Tanacetum huronense</i> Nutt.	Threatened
		Virginia Bluebells	<i>Mertensia virginica</i> Pers. (L.)	Threatened
		Rock Cress	<i>Arabis perstellata</i> E. L. Braun	Threatened
		Lake Cress	<i>Armoracia lacustris</i> (A. Gray) Al-Shehbaz & V. Bates	Threatened
		Low Northern Rock Cress	<i>Braya humilis</i> (C. A. Meyer) Robinson	Threatened
		Large Toothwort	<i>Dentaria maxima</i> Nutt.	Threatened
		Ashy Whitlow Grass	<i>Draba cana</i> Rydb.	Threatened
		Twisted Whitlow Grass	<i>D. incana</i> L.	Threatened
		Creeping Whitlow Grass	<i>D. reptans</i> (Lam.) Fern.	Threatened
		Large Water Starwort	<i>Callitriche heterophylla</i> Pursh	Threatened
		Black Twinberry	<i>Lonicera involucrata</i> (Richardson) Banks	Threatened
		Squashberry or Mooseberry	<i>Viburnum edule</i> (Michx.) Raf.	Threatened
		Large-leaved Sandwort	<i>Arenaria macrophylla</i> Hooker	Threatened
		Pearlwort	<i>Sagina nodosa</i> (L.) Fenzl	Threatened
		Starry Campion	<i>Silene stellata</i> (L.) Aiton F.	Threatened
		Fire Pink	<i>S. virginica</i> L.	Threatened
		Fleshy Stitchwort	<i>Stellaria crassifolia</i> Ehrh.	Threatened
		Leggett's Pinweed	<i>Lechea pulchella</i> Raf.	Threatened
		Wild Potato Vine or Man-of-the-Earth	<i>Ipomoea pandurata</i> (L.) G. F. W. Meyer	Threatened

Table G-1: State Listed Threatened and Endangered Species in the Study Area

State	Type	Common Name	Scientific Name	Status
		Black Crowberry	<i>Empetrum nigrum L.</i>	Threatened
		Pine-drops	<i>Pterospora andromedea Nutt.</i>	Threatened
		Dwarf Bilberry	<i>Vaccinium cespitosum Michaux</i>	Threatened
		Alpine Blueberry	<i>V. uliginosum L.</i>	Threatened
		Tinted Spurge	<i>Euphorbia commutata Engelm.</i>	Threatened
		Canadian Milk Vetch	<i>Astragalus canadensis L.</i>	Threatened
		Wisteria	<i>Wisteria frutescens (L.) Poiret</i>	Threatened
		Yellow Funewort	<i>Corydalis flavula (Raf.) DC.</i>	Threatened
		Panicled Screwstem	<i>Bartonia paniculata (Michaux) Muhl.</i>	Threatened
		Narrow-leaved gentian	<i>Gentiana linearis Froel.</i>	Threatened
		Stiff Gentian	<i>Gentianella quinquefolia (L.) Small</i>	Threatened
		Rosepink	<i>Sabatia angularis (L.) Pursh</i>	Threatened
		Farwell's Water Milfoil	<i>Myriophyllum farwellii Morong</i>	Threatened
		Franklin's Phacelia	<i>Phacelia franklinii (R. Br.) A. Gray</i>	Threatened
		Round-fruited St. John's-wort	<i>Hypericum sphaerocarpum Michaux</i>	Threatened
		Virginia Water-horehound	<i>Lycopus virginicus L.</i>	Threatened
		Mountain Mint	<i>Pycnanthemum muticum (Michx.) Pers.</i>	Threatened
		Hairy Mountain Mint	<i>P. pilosum Nutt.</i>	Threatened
		Skullcap	<i>Scutellaria nervosa Pursh</i>	Threatened
		Small skullcap	<i>S. parvula Michaux</i>	Threatened
		False Pennyroyal	<i>Trichostema brachiatum L.</i>	Threatened
		Bastard Pennyroyal	<i>T. dichotomum L.</i>	Threatened
		Virginia Flax	<i>Linum virginianum L.</i>	Threatened
		Maryland Meadow Beauty	<i>Rhexia mariana L.</i>	Threatened
		Red Mulberry	<i>Morus rubra L.</i>	Threatened
		American Lotus	<i>Nelumbo lutea (Willd.) Pers.</i>	Threatened
		Pumpkin Ash	<i>Fraxinus profunda (Bush) Bush</i>	Threatened
		Globe-fruited Seedbox	<i>Ludwigia sphaerocarpa Ell.</i>	Threatened
		Broomrape	<i>Orobanche fasciculata Nutt.</i>	Threatened
		Violet Wood Sorrel	<i>Oxalis violacea L.</i>	Threatened
		Cleft Phlox	<i>Phlox bifida Beck.</i>	Threatened
		Wild Sweet William	<i>P. maculata L.</i>	Threatened
		Jacob's Ladder	<i>Polemonium reptans L.</i>	Threatened
		Carey's Smartweed	<i>Polygonum careyi Olney</i>	Threatened
		Alpine bistort	<i>P. viviparum L.</i>	Threatened
		Goldenseal	<i>Hydrastis canadensis L.</i>	Threatened
		Spearwort	<i>Ranunculus ambigens Watson</i>	Threatened
		Seaside Crowfoot	<i>R. cymbalaria Pursh</i>	Threatened
		Lapland Buttercup	<i>R. lapponicus L.</i>	Threatened
		Macoun's Buttercup	<i>R. macounii Britton</i>	Threatened
		Prairie Buttercup	<i>R. rhomboideus Goldie</i>	Threatened
		Wild Lilac	<i>Ceanothus sanguineus Pursh</i>	Threatened
		Bedstraw	<i>Galium kamtschaticum Schultes & J. H. Schultes</i>	Threatened
		False Violet	<i>Dalibarda repens L.</i>	Threatened
		Queen-of-the-Prairie	<i>Filipendula rubra (Hill) Robinson</i>	Threatened
		Prairie Smoke	<i>Geum triflorum Pursh</i>	Threatened
		Bowman's Root	<i>Porteranthus trifoliatus (L.) Britton</i>	Threatened
		Sand Cinquefoil	<i>Potentilla paradoxa Nutt.</i>	Threatened
		Prairie Cinquefoil	<i>P. pensylvanica L.</i>	Threatened
		Canadian Burnet	<i>Sanguisorba canadensis L.</i>	Threatened
		Tea-leaved Willow	<i>Salix planifolia Pursh</i>	Threatened
		Yellow Pitcher Plant	<i>Sarracenia purpurea f. heterophylla (Eaton) Fern.</i>	Threatened
		Marsh Grass-of-Parnassus	<i>Parnassia palustris L.</i>	Threatened
		Encrusted Saxifrage	<i>Saxifraga paniculata Miller</i>	Threatened
		Prickly Saxifrage	<i>S. tricuspidata Rottb.</i>	Threatened
		Kitten-tails	<i>Besseyia bullii (Eaton) Rvdb.</i>	Threatened
		Pale Indian Paintbrush	<i>Castilleja septentrionalis Lindley</i>	Threatened
		Small Blue-eyed Mary	<i>Collinsia parviflora Lindley</i>	Threatened
		Mullein Foxglove	<i>Dasystema macrophylla (Nutt.) Raf.</i>	Threatened
		Eyebright	<i>Euphrasia hudsoniana Fernald & Weigand</i>	Threatened
		Eyebright	<i>E. nemorosa (Pers.) Wallr.</i>	Threatened
		Hedge-hyssop	<i>Gratiola aurea Pursh</i>	Threatened
		Annual Hedge Hyssop	<i>G. virginiana L.</i>	Threatened
		Beard Tongue	<i>Penstemon calycosus Small</i>	Threatened
		Edible Valerian	<i>Valeriana edulis var. ciliata (T. & G.) Cronquest</i>	Threatened
		Goosefoot Corn Salad	<i>Valerianella chenopoliifolia (Pursh) DC.</i>	Threatened
		Corn Salad	<i>V. umbilicata (Sull.) A. W. Wood</i>	Threatened
		Northern Marsh Violet	<i>Viola epipsila Ledeb.</i>	Threatened

Table G-1: State Listed Threatened and Endangered Species in the Study Area

State	Type	Common Name	Scientific Name	Status
		New England Violet	<i>V. novae-angliae</i> House	Threatened
		Prairie Birdfoot Violet	<i>V. pedatifida</i> G. Don	Threatened
		Frost Grape	<i>Vitis vulpina</i> L.	Threatened
		Bluebunch Wheatgrass	<i>Agropyron spicatum</i> (Pursh) Scribner & J. G. Smith	Extirpated
		Three-awned grass	<i>Aristida dichotoma</i> Michaux	Extirpated
		Mountain Spleenwort	<i>Asplenium montanum</i> Willd.	Extirpated
		Bluehearts	<i>Buchnera americana</i> L.	Extirpated
		Log Sedge	<i>Carex decomposita</i> Muhl.	Extirpated
		Sedge	<i>C. gravida</i> Bailey	Extirpated
		Hayden's Sedge	<i>C. haydenii</i> Dewey	Extirpated
		Slender Dayflower	<i>Commelina erecta</i> L.	Extirpated
		Cyperus, Nut Grass	<i>Cyperus acuminatus</i> Torrey & Hooker	Extirpated
		Purple Prairie Clover	<i>Dalea Purpurea</i> Vent.	Extirpated
		Hay-scented Fern	<i>Dennstaedtia punctiloba</i> (Michx.) T. Moore	Extirpated
		Slender Finger Grass	<i>Digitaria filiformis</i> (L.) Koeler	Extirpated
		Nodding Madarin	<i>Disporum maculatum</i> (Buckley) Britton	Extirpated
		Whitlow Grass	<i>Draba nemorosa</i> L.	Extirpated
		Spike Rush	<i>Eleocharis radicans</i> (Poiret) Kunth	Extirpated
		Purple Coneflower	<i>Echinacea purpurea</i> (L.) Moench.	Extirpated
		Giant Horsetail	<i>Equisetum telmateia</i> Ehrh.	Extirpated
		Chestnut Sedge	<i>Fimbristylis puberula</i> (Michaux) Vahl	Extirpated
		Soapwort Gentian	<i>Gentiana saponaria</i> L.	Extirpated
		Manna Grass	<i>Glyceria acutiflora</i> Torrey	Extirpated
		Hedyotis	<i>Hedyotis nigricans</i> (Lam.) Fosb.	Extirpated
		Small Wood Sunflower	<i>Helianthus microcephalus</i> Torrey & Gray	Extirpated
		Pale Duckweed	<i>Lemma valdiviana</i> Phil.	Extirpated
		Trailing Bush Clover	<i>Lespedeza procumbens</i> Michaux	Extirpated
		Dotted Blazing Star	<i>Liatris punctata</i> Hooker	Extirpated
		Plains Blazing Star	<i>L. squarrosa</i> (L.) Michx.	Extirpated
		Narrow-leaved puccoon	<i>Lithospermum incisum</i> Lehm.	Extirpated
		Mikania	<i>Mikania scandens</i> (L.) Willd.	Extirpated
		Winged Monkey Flower	<i>Mimulus alatus</i> Aiton	Extirpated
		Bee Balm, Oswego Tea	<i>Monarda didyma</i> L.	Extirpated
		Plains Muhly	<i>Muhlenbergia cuspidata</i> (Hooker) Rydb.	Extirpated
		Marbleweed	<i>Onosmodium molle</i> Michx.	Extirpated
		Mountain Timothy	<i>Phleum alpinum</i> L.	Extirpated
		Pink Milkwort	<i>Polygala incarnata</i> L.	Extirpated
		Ownbey Honey-flowered Solomon Seal	<i>Polygonatum biflorum</i> var. <i>melleum</i> (Farw.)	Extirpated
		Prairie Parsley	<i>Polytaenia nuttallii</i> DC.	Extirpated
		Sweet Coneflower	<i>Rudbeckia subtomentosa</i> Pursh	Extirpated
		Skullcap	<i>Scutellaria incana</i> Biehler	Extirpated
		Forest Skullcap	<i>S. ovata</i> Hill	Extirpated
		Marsh Fleabane	<i>Senecio congestus</i> (R. Br.) DC.	Extirpated
		Farwell's Blue-eyed Grass	<i>Sisyrinchium farwellii</i> Bickn.	Extirpated
		Blue-eyed Grass	<i>S. hastile</i> Bickn.	Extirpated
		Eared Foxglove	<i>Tomanthera auriculata</i> (Michaux) Raf.	Extirpated
		Long-bracted Spiderwort	<i>Tradescantia bracteata</i> Small.	Extirpated
		Green Trillium	<i>Trillium viride</i> Beck	Extirpated
		Netted Chain Fern	<i>Woodwardia areolata</i> (L.) T. Moore	Extirpated

Sources: Ohio Department of Natural Resources, Division of Wildlife. List was last updated May 2002.
Michigan Department of Natural Resources, Wildlife Division, Endangered and Threatened Species. March 2005.

Table G-2: Federal Listing of Threatened and Endangered Species				
Country/State	County	Endangered	Threatened	Candidate
Michigan	Genesee		Eastern prairie fringed orchid (Plantathera leucophaea) (Flowering plant)	Eastern Massasauga (Sistrurus catenatus) (Reptile)
	Hillsdale	Indiana Bat (Myotis soldalis) (Mammal)	Copperbelly water snake (Nerodia erythrogaster neglecta) (Reptile)	Eastern Massasauga (Sistrurus catenatus) (Reptile)
		Clubshell (Pleurobema clava) (Fish)		
	Ingham	Indiana Bat (Myotis soldalis) (Mammal)		
	Jackson	Indiana Bat (Myotis soldalis) (Mammal)		Eastern Massasauga (Sistrurus catenatus) (Reptile)
		Mitchell's satyr butterfly (Neonympha mitchellii mitchellii) (Insect)		
	Lapeer			Eastern Massasauga (Sistrurus catenatus) (Reptile)
	Lenawee	Indiana Bat (Myotis soldalis) (Mammal)		Eastern Massasauga (Sistrurus catenatus) (Reptile)
		Mitchell's satyr butterfly (Neonympha mitchellii mitchellii) (Insect)		
	Livingston	Indiana Bat (Myotis soldalis) (Mammal)		Eastern Massasauga (Sistrurus catenatus) (Reptile)
	Macomb	Indiana Bat (Myotis soldalis) (Mammal)		Rayed bean (Villosa fabalis) (Clam)
				Eastern Massasauga (Sistrurus catenatus) (Reptile)
	Monroe	Indiana Bat (Myotis soldalis) (Mammal)	Bald Eagle (Haliaeetus leucocephalus) (Bird)	
		Karner blue Butterfly (Lycaeides melissa samuelis) (Insect)	Eastern prairie fringed orchid (Plantathera leucophaea) (Flowering plant)	
		Northern riffleshell (Dysnomia torulosa rangiana) (Clam)		
	Oakland	Indiana Bat (Myotis soldalis) (Mammal)	Copperbelly water snake (Nerodia erythrogaster neglecta) (Reptile)	Rayed bean (Villosa fabalis) (Clam)
		American burying Beetle (Nicrophorus americanus) (Insect)		Eastern Massasauga (Sistrurus catenatus) (Reptile)
	St. Clair		Eastern prairie fringed orchid (Plantathera leucophaea) (Flowering plant)	Rayed bean (Villosa fabalis) (Clam)
			Bald Eagle (Haliaeetus leucocephalus) (Bird)	
	Shiawassee			Eastern Massasauga (Sistrurus catenatus) (Reptile)
Washtenaw	Indiana Bat (Myotis soldalis) (Mammal)	Eastern prairie fringed orchid (Plantathera leucophaea) (Flowering Plant)	Eastern Massasauga (Sistrurus catenatus) (Reptile)	
	Mitchell's satyr butterfly (Neonympha mitchellii mitchellii) (Insect)			
Wayne	Indiana Bat (Myotis soldalis) (Mammal)	Bald Eagle (Haliaeetus leucocephalus) (Bird)	Eastern Massasauga (Sistrurus catenatus) (Reptile)	

Table G-2: Federal Listing of Threatened and Endangered Species				
Country/State	County	Endangered	Threatened	Candidate
		Northern riffleshell (<i>Dysnomia torulosa rangiana</i>) (Clam)	Eastern prairie fringed orchid (<i>Plantathera leucophaea</i>) (Flowering plant)	
Ohio	Ashland	Indiana Bat (<i>Myotis soldalis</i>) (Mammal)		
	Ashtabula	Clubshell (<i>Pleurobema clava</i>) (Fish)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	Eastern Massasauga (<i>Sistrurus catenatus</i>) (Reptile)
		Indiana Bat (<i>Myotis soldalis</i>) (Mammal)		
		Piping Plover (<i>Charadrius melodus</i>) (Bird)		
	Carroll	Indiana Bat (<i>Myotis soldalis</i>) (Mammal)		
	Columbiana	Indiana Bat (<i>Myotis soldalis</i>) (Mammal)		Eastern Massasauga (<i>Sistrurus catenatus</i>) (Reptile)
	Crawford	Indiana Bat (<i>Myotis soldalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	Eastern Massasauga (<i>Sistrurus catenatus</i>) (Reptile)
	Cuyahoga	Indiana Bat (<i>Myotis soldalis</i>) (Mammal)		Eastern Massasauga (<i>Sistrurus catenatus</i>) (Reptile)
		Piping Plover (<i>Charadrius melodus</i>) (Bird)		
	Erie	Indiana Bat (<i>Myotis soldalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	Eastern Massasauga (<i>Sistrurus catenatus</i>) (Reptile)
		Piping Plover (<i>Charadrius melodus</i>) (Bird) Critical Habitat Designated	Lake Erie Water Snake (<i>Nerodia sipedon insularum</i>) (reptile)	
			Lakeside daisy (<i>Hymenoxys herbacea</i>) (Formerly <i>H. acaulis</i> var. <i>glabra</i>)	
	Fulton	Indiana bat (<i>Myotis sodalis</i>) (Mammal)		Eastern Massasauga (<i>Sistrurus catenatus</i>) (Reptile)
	Geauga	Indiana bat (<i>Myotis sodalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	
	Henry	Indiana bat (<i>Myotis sodalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	
	Holmes	Indiana bat (<i>Myotis sodalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	
			Eastern prairie fringed orchid (<i>Plantathera leucophaea</i>) (Flowering Plant)	
	Huron	Indiana bat (<i>Myotis sodalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	Eastern Massasauga (<i>Sistrurus catenatus</i>) (Reptile)
	Lake	Indiana bat (<i>Myotis sodalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	Eastern Massasauga (<i>Sistrurus catenatus</i>) (Reptile)
		Piping Plover (<i>Charadrius melodus</i>) (Bird) Critical Habitat Designated		
Lorain	Indiana bat (<i>Myotis sodalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	Eastern Massasauga (<i>Sistrurus catenatus</i>) (Reptile)	
	Piping Plover (<i>Charadrius melodus</i>) (Bird)			
Lucas	Indiana bat (<i>Myotis sodalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	Eastern Massasauga (<i>Sistrurus catenatus</i>) (Reptile)	
	Karner blue Butterfly (<i>Lycæides melissa samuelis</i>) (Insect)	Eastern prairie fringed orchid (<i>Plantathera leucophaea</i>) (Flowering Plant)		

Table G-2: Federal Listing of Threatened and Endangered Species				
Country/State	County	Endangered	Threatened	Candidate
		Piping Plover (<i>Charadrius melodus</i>) (Bird)		
	Mahoning	Indiana bat (<i>Myotis sodalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	
	Medina	Indiana bat (<i>Myotis sodalis</i>) (Mammal)		Eastern Massasauga (<i>Sistrurus catenatus</i>) (Reptile)
	Ottawa	Indiana bat (<i>Myotis sodalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	Eastern Massasauga (<i>Sistrurus catenatus</i>) (Reptile)
		Piping Plover (<i>Charadrius melodus</i>) (Bird)	Eastern prairie fringed orchid (<i>Plantathera leucophaea</i>) (Flowering Plant)	
			Lake Erie Water Snake (<i>Nerodia sipedon insularum</i>) (Reptile)	
			Lakeside daisy (<i>Hymenoxys herbacea</i>) (Formerly <i>H. acaulis</i> var. <i>glabra</i>) (Flowering plant)	
	Portage	Indiana bat (<i>Myotis sodalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	Eastern Massasauga (<i>Sistrurus catenatus</i>) (Reptile)
		Mitchell's satyr butterfly (<i>Neonympha mitchellii mitchellii</i>) (Insect)	Northern Monkshood (<i>Aconitum noveboracense</i>) (Flowering plant)	
	Richland	Indiana bat (<i>Myotis sodalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	
	Sandusky	Indiana bat (<i>Myotis sodalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	Eastern Massasauga (<i>Sistrurus catenatus</i>) (Reptile)
		Piping Plover (<i>Charadrius melodus</i>) (Bird)	Eastern prairie fringed orchid (<i>Plantathera leucophaea</i>) (Flowering Plant)	
	Seneca	Indiana bat (<i>Myotis sodalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	Eastern Massasauga (<i>Sistrurus catenatus</i>) (Reptile)
	Stark	Indiana bat (<i>Myotis sodalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	Eastern Massasauga (<i>Sistrurus catenatus</i>) (Reptile)
	Summit	Indiana bat (<i>Myotis sodalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	Northern Monkshood (<i>Aconitum noveboracense</i>) (Flowering plant)
	Trumbull	Indiana bat (<i>Myotis sodalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	Eastern Massasauga (<i>Sistrurus catenatus</i>) (Reptile)
		Clubshell (<i>Pleurobema clava</i>) (Fish)		
	Tuscarawas	Indiana bat (<i>Myotis sodalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	
	Wood	Indiana bat (<i>Myotis sodalis</i>) (Mammal)	Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	
Canada	Essex	Blanchard's Cricket Frog (<i>Acris crepitans blanchardii</i>) (Amphibian)	Smallmouth Salamander (<i>Ambystoma texanum</i>) (Amphibian)	Black Tern (<i>Chlidonias niger</i>) (Bird)
		Acadian Flycatcher (<i>Empidonax virescens</i>)	Hooded Warbler (<i>Wilsonia citrina</i>) (Bird)	Cerulean Warbler (<i>Dendroica cerulea</i>) (Bird)
		Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	Spotted Gar (<i>Lepisosteus oculatus</i>) (Fish)	Least Bittern (<i>Ixobrychus exilis</i>) (Bird)
		King Rail (<i>Rallus elegans</i>) (Bird)	Grey Fox (<i>Urocyon</i>)	Yellow-breasted Chat (<i>Icteria</i>)
		Prothonotary Warbler (<i>Protonotaria citrea</i>) (Bird)	Kentucky Coffeetree (<i>Gymnocladus dioica</i>) (Plant)	Black Tern (<i>Chlidonias niger</i>) (Bird)
		Barn Owl (<i>Tyto alba</i>) (Bird)	Purple Twayblade (<i>Liparis</i>)	Cerulean Warbler (<i>Dendroica</i>)
		Channel Darter (<i>Percina copelandi</i>) (Fish)	Eastern Mole (<i>Scalopus aquaticus</i>) (Mammal)	Louisiana Waterthrush (<i>Seiurus motacilla</i>) (Bird)

Table G-2: Federal Listing of Threatened and Endangered Species				
Country/State	County	Endangered	Threatened	Candidate
		Lake Chubsucker (<i>Erimyzon sucetta</i>) (Fish)	American Chestnut (<i>Castanea dentata</i>) (Plant)	Red-headed Woodpecker (<i>Melanerpes erythrocephalus</i>) (Bird)
		Pugnose Shiner (<i>Notropis anogenus</i>) (Fish)	Colicroot (<i>Aletris farinosa</i>) (Plant)	Black Buffalo (<i>Ictiobus niger</i>) (Fish)
		Wavy-rayed Lampmussel (<i>Lampsilis fasciola</i>) (Mollusc)	Dense Blazing Star (<i>Liatris spicata</i>) (Plant)	Greenside Darter (<i>Etheostoma blennioides</i>) (Fish)
		Butternut (<i>Juglans cinerea</i>)	Golden Seal (<i>Hydrastis canadensis</i>) (Plant)	Northern Brook Lamprey (<i>Ichthyomyzon fossor</i>) (Fish)
		Eastern Prairie Fringed-orchid (<i>Platanthera leucophaea</i>) (Plant)	Hop Tree (<i>Ptelea trifoliata</i>) (Plant)	Orange-spotted Sunfish (<i>Lepomis humilis</i>) (Fish)
		Eastern Prickly Pear Cactus (<i>Opuntia humifusa</i>) (Plant)	Wild Hyacinth (<i>Camassia scilloides</i>) (Plant)	Pugnose Minnow (<i>Opsopoeodus emiliae</i>) (Fish)
		Heart-leaved Plantain (<i>Plantago cordata</i>) (Plant)	Eastern Fox Snake (<i>Elaphe vulpina gloydi</i>) (Reptile)	Silver Chub (<i>Macrhybopsis storeriana</i>) (Fish)
		Pink Milkwort (<i>Polygala incarnata</i>) (Plant)	The Eastern Massasauga Rattlesnake (<i>Sistrurus catenatus</i>) (Reptile)	Spotted Sucker (<i>Minytrema melanops</i>) (Fish)
		Red Mulberry (<i>Morus rubra</i>) (Plant)	Queen Snake (<i>Regina septemvittata</i>) (Reptile)	Warmouth (<i>Lepomis gulosus</i>) (Fish)
		Skinner's Agalinis (<i>Agalinis skinneriana</i>) (Plant)	Stinkpot Turtle (<i>Sternotherus odoratus</i>) (Reptile)	West Virginia White (<i>Pieris virginianensis</i>) (Insect)
		Slender Bush Clover (<i>Lespedeza virginica</i>) (Plant)		Southern Flying Squirrel (<i>Glaucomys volans</i>)
		Spoon-leaved moss (<i>Bryoandersonia illecebra</i>) (Plant)		American Water Willow (<i>Justicia americana</i>) (Plant)
		White Prairie Gentian (<i>Gentiana alba</i>) (Plant)		Blue Ash (<i>Fraxinus quadrangulata</i>) (Plant)
		Blue Racer (<i>Coluber constrictor foxii</i>) (Reptile)		Broad Beech Fern (<i>Phegopteris hexagonoptera</i>) (Plant)
		Lake Erie Water Snake (<i>Nerodia sipedon insularum</i>) (Reptile)		Climbing Prairie Rose (<i>Rosa setigera</i>) (Plant)
				Crooked-stemmed aster (<i>Symphotrichum prenanthoides</i>) (Plant)
				Dwarf hackberry (<i>Celtis tenuifolia</i>) (Plant)
				Green Dragon (<i>Arisaema dracontium</i>) (Plant)
				Riddell's Goldenrod (<i>Solidago riddellii</i>) (Plant)
				Round-leaved Greenbrier (<i>Smilax rotundifolia</i>) (Plant)
				Oak (<i>Quercus shumardii</i>) (Plant)
				Swamp Rose Mallow (<i>Hibiscus moscheutos</i>) (Plant)
				Willowleaf Aster (<i>Symphotrichum praealtus</i>) (Plant)
				Butler's Garter Snake (<i>Thamnophis butleri</i>) (Reptile)

Table G-2: Federal Listing of Threatened and Endangered Species				
Country/State	County	Endangered	Threatened	Candidate
				Spotted Turtle (<i>Clemmys guttata</i>) (Reptile)
	Kent	Acadian Flycatcher(<i>Empidonax virescens</i>) (Bird)	Hooded Warbler (<i>Wilsonia citrina</i>) (Bird)	Black Tern (<i>Chlidonias niger</i>) (Bird)
		Bald Eagle (<i>Haliaeetus leucocephalus</i>) (Bird)	Kentucky Coffeetree (<i>Gymnocladus dioica</i>) (Plant)	Cerulean Warbler (<i>Dendroica cerulea</i>) (Bird)
		Henslow's Sparrow (<i>Ammodramus henslowii</i>) (Bird)	Purple Twayblade (<i>Liparis liliifolia</i>) (Plant)	Least Bittern (<i>Ixobrychus exilis</i>) (Bird)
		King Rail (<i>Rallus elegans</i>) (Bird)	Spotted Gar (<i>Lepisosteus oculatus</i>) (Fish)	Yellow-breasted Chat (<i>Icteria virens</i>) (Bird)
		Prothonotary Warbler (<i>Protonotaria citrea</i>)	Bigmouth Buffalo (<i>Ictiobus cyprinellus</i>) (Fish)	Black Tern (<i>Chlidonias niger</i>) (Bird)
		Channel Darter (<i>Percina copelandi</i>) (Fish)	Eastern Mole (<i>Scalopus aquaticus</i>) (Mammal)	Cerulean Warbler (<i>Dendroica cerulea</i>)
		Lake Chubsucker (<i>Erimyzon sucetta</i>) (Fish)	American Chestnut (<i>Castanea dentata</i>) (Plant)	Louisiana Waterthrush (<i>Seiurus motacilla</i>) (Bird)
		Pugnose Shiner (<i>Notropis anogenus</i>) (Fish)	Colicroot (<i>Aletris farinosa</i>) (Plant)	Red-headed Woodpecker (<i>Melanerpes erythrocephalus</i>) (Bird)
		American Badger (<i>Taxidea taxus</i>) (Mammal)	Dense Blazing Star (<i>Liatris spicata</i>) (Plant)	Black Buffalo (<i>Ictiobus niger</i>)
		Kidneyshell (<i>Ptychobranchus fasciolaris</i>)	Golden Seal (<i>Hydrastis canadensis</i>) (Plant)	Blackstripe Topminnow (<i>Fundulus notatus</i>) (Fish)
		Mudpuppy Mussel (<i>Simpsonaias ambigua</i>) (Mollusc)	Hop Tree (<i>Ptelea trifoliata</i>) (Plant)	Greenside Darter (<i>Etheostoma blennioides</i>) (Fish)
		Northern Riffleshell (<i>Epioblasma torulosa rangiana</i>) (Mollusc)	Eastern Fox Snake (<i>Elaphe vulpina gloydi</i>) (Reptile)	Northern Brook Lamprey (<i>Ichthyomyzon fossor</i>) (Fish)
		Rayed Bean (<i>Villosa fabalis</i>) (Mollusc)	Eastern Spiny Softshell (<i>Apalone spinifera spinifera</i>) (Reptile)	Orange-spotted Sunfish (<i>Lepomis humilis</i>) (Fish)
		Round hickorynut (<i>Obovaria subrotunda</i>) (Mollusc)	Queen Snake (<i>Regina septemvittata</i>) (Reptile)	Pugnose Minnow (<i>Opsopoeodus emiliae</i>) (Fish)
		Snuffbox (<i>Epioblasma triquetra</i>) (Mollusc)	Stinkpot Turtle (<i>Sternotherus odoratus</i>) (Reptile)	Silver Chub (<i>Macrhybopsis storeriana</i>) (Fish)
		Wavy-rayed Lampmussel (<i>Lampsilis fasciola</i>) (Mollusc)		Spotted Sucker (<i>Minytrema melanops</i>) (Fish)
		American Ginseng (<i>Panax quinquefolium</i>) (Plant)		Warmouth (<i>Lepomis gulosus</i>) (Fish)
		Butternut (<i>Juglans cinerea</i>) (Plant)		West Virginia White (<i>Pieris virginiensis</i>) (Insect)
		Eastern Prickly Pear Cactus (<i>Opuntia humifusa</i>) (Plant)		Southern Flying Squirrel (<i>Glaucomys volans</i>) (Mammal)
		Gattinger's Agalinis (<i>Agalinis gattingeri</i>) (Plant)		American Water Willow (<i>Justicia americana</i>) (Plant)
		The Nodding Pogonia (<i>Triphora trianthophora</i>) (Plant)		Blue Ash (<i>Fraxinus quadrangulata</i>) (Plant)
		Pink Milkwort (<i>Polygala incarnata</i>) (Plant)		Broad Beech Fern (<i>Phegopteris hexagonoptera</i>) (Plant)
		Red Mulberry (<i>Morus rubra</i>) (Plant)		Climbing Prairie Rose (<i>Rosa setigera</i>) (Plant)
		Showy Goldenrod (<i>Solidago speciosa</i>) (Plant)		Green Dragon (<i>Arisaema dracontium</i>) (Plant)

Table G-2: Federal Listing of Threatened and Endangered Species				
Country/State	County	Endangered	Threatened	Candidate
		Skinner's Agalinis (<i>Agalinis skinneriana</i>) (Plant)		Riddell's Goldenrod (<i>Solidago riddellii</i>) (Plant)
		Small White Lady's-slipper orchid (<i>Cypripedium candidum</i>) (Plant)		Oak (<i>Quercus shumardii</i>) (Plant)
		White Prairie Gentian (<i>Gentiana alba</i>) (Plant)		Swamp Rose Mallow (<i>Hibiscus moscheutos</i>) (Plant)
				Willowleaf Aster (<i>Symphotrichum praealtus</i>) (Plant)
				Eastern Hog-nosed snake (<i>Heterodon platirhinos</i>) (Reptile)
				Spotted Turtle (<i>Clemmys guttata</i>) (Reptile)