

Appendix J

Threatened and Endangered Species /

Species of Concern

NOTICE

The information contained in this Appendix was developed strictly for the purpose of evaluating the environmental impacts associated with the Ambassador Bridge Enhancement Project and responding to the regulatory requirements applicable to this proposal. Use of this information for other purposes is not intended, and any such use is at the risk of the user.



Ambassador Bridge Enhancement Project

Threatened and Endangered Species and Species of Concern Information

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Lists of Federal and State Threatened and Endangered Species and Species of Concern that may be found in Wayne County, Michigan and the Province of Ontario. Aquatic plants are listed along with terrestrial species.

NOTE: See Aquatic Ecology Attachment for a list of threatened and endangered species of fish and mollusk.

Plant Species

Listed plant species in Wayne county of Michigan and in the Province of Ontario by the Michigan Natural Features Inventory, the United States Fish and Wildlife Services, and the Committee on the Status of Endangered Wildlife in Canada of the Ontario Ministry of Natural Resources. X = believed extirpated, SC = Species of Special Concern, T = threatened, and E = endangered, (-) = not listed.

Scientific Name	Common Name	Ontario Status	Michigan Status	U.S. Federal Status
<i>Adlumia fungosa</i>	Climbing Fumitory	-	SC	-
<i>Agalinis gattereri</i>	Gatterer's Agalinis	E	-	-
<i>Agalinis skinneriana</i>	Skinner's Agalinis	E	-	-
<i>Aletris farinosa</i>	Colicroot	T	-	-
<i>Ammannia robusta</i>	Scarlet Ammannia	E	-	-
<i>Angelica venenosa</i>	Hairy Angelica	-	SC	-
<i>Arabis missouriensis var deamii</i>	Missouri Rock-Cress	-	SC	-
<i>Arisaema dracontium</i>	Green Dragon	SC	-	-
<i>Aristida basiramea</i>	Forked three-awned grass	E	-	-
<i>Aristida longespica</i>	Three-awned grass	-	T	-
<i>Aristolochia serpentaria</i>	Virginia snakeroot	-	T	-
<i>Arnoglossum plantagineum</i>	Tuberous Indian-plantain	SC	-	-
<i>Asclepias hirtella</i>	Tall Green Milkweed	-	T	-
<i>Asclepias sullivantii</i>	Sullivant's Milkweed	-	T	-
<i>Asplenium scolopendrium var. americanum</i>	American hart's tongue	SC	-	T
<i>Bartonia paniculata ssp. paniculata</i>	Branched Bartonia	T	-	-
<i>Buchnera americana</i>	Blue-hearts	E	X	-
<i>Camassia scilloides</i>	Wild-hyacinth	T	T	-
<i>Carex Frankii</i>	Frank's sedge	-	SC	-
<i>Carex juniperorum</i>	Juniper sedge	E	-	-
<i>Carex lupuliformis</i>	False Hop Sedge	E	-	-
<i>Carex squarrosa</i>	Sedge	-	SC	-
<i>Castanea dentata</i>	American Chestnut	T	E	-
<i>Celtis tenuifolia</i>	Dwarf Hackberry	T	-	-
<i>Chimaphila maculata</i>	Spotted Wintergreen	E	-	-
<i>Cirsium pitcheri</i>	Pitcher's Thistle	E	-	T
<i>Cyperus flavescens</i>	Yellow Nut-grass	-	SC	-
<i>Cypripedium candidum</i>	Small White Lady's Slipper	E	-	-
<i>Diarrhena americana</i>	Beak Grass	-	T	-
<i>Eleocharis engalmanii</i>	Engelmann's Spikerush	-	SC	-
<i>Eleocharis equisetoides</i>	Horsetail Spikerush	E	-	-
<i>Enemion biternatum</i>	False Rue-anemone	SC	-	-

Scientific Name	Common Name	Ontario Status	Michigan Status	U.S. Federal Status
<i>Eragrostis pilosa</i>	Small Love Grass	-	SC	-
<i>Euonymus atropurpurea</i>	Wahoo	-	SC	-
<i>Euphorbia commutata</i>	Tinted Spurge	-	T	-
<i>Eurybia divaricata</i>	White Wood Aster	T	-	-
<i>Frasera caroliniensis</i>	American Columbo	SC	-	-
<i>Fraxinus profunda</i>	Pumpkin Ash	-	T	-
<i>Fraxinus quadrangulata</i>	Blue ash	SC	-	-
<i>Galearis spectabilis</i>	Showy Orchis	-	T	-
<i>Gentiana alba</i>	White Prairie Gentian	E	-	-
<i>Gentianella quinquefolia</i>	Stiff Gentian	-	T	-
<i>Geum virginianum</i>	Pales Avens	-	SC	-
<i>Gymnocladus dioicus</i>	Kentucky Coffee-tree	T	SC	-
<i>Hibiscus moscheutos</i>	Swamp Rose-Mallow	SC	SC	-
<i>Hybanthus concolor</i>	Green Violet	-	SC	-
<i>Hydrastis canadensis</i>	Goldenseal	T	T	-
<i>Hymenoxys herbacea</i>	Lakeside daisy	T	-	T
<i>Hypericum gentianoides</i>	Gentian-leaved St. John's-wort	-	SC	-
<i>Iris lacustis</i>	Dwarf Lake Iris	-	T	T
<i>Isoetes engelmannii</i>	Engelmann's Quillwort	E	-	-
<i>Isotria medeoloides</i>	Small-whorled pogonia	E	-	T
<i>Isotria verticillata</i>	Large Whorled Pogonia	E	T	-
<i>Jeffersonia diphylla</i>	Twinleaf	-	SC	-
<i>Juglans cinerea</i>	Butternut	E	-	-
<i>Juncus brachycarpus</i>	Short-fruited Rush	-	T	-
<i>Juncus vaseyi</i>	Vasey's Rush	-	T	-
<i>Justicia americana</i>	Water-willow	T	T	-
<i>Lactuca floridana</i>	Woodland Lettuce	-	T	-
<i>Lespedeza virginica</i>	Slender bush-clover	E	-	-
<i>Leucospora multifida</i>	Conobea	-	SC	-
<i>Liatris spicata</i>	Dense Blazing Star	T	-	-
<i>Lipocarpha micrantha</i>	Small-flowered Lipocarpha	E	-	-
<i>Liparis liliifolia</i>	Purple Twayblade	E	SC	-
<i>Ludwigia alternifolia</i>	Seedbox	-	SC	-
<i>Lycopodiella margueritae</i>	Northern Prostrate Clubmoss	-	T	-
<i>Lycopodiella subappressa</i>	Northern Appressed Clubmoss	-	SC	-
<i>Lysimachia hybrida</i>	Swamp Candles	-	SC	-
<i>Magnolia acuminata</i>	Cucumber Tree	E	-	-
<i>Morus rubra</i>	Red Mulberry	E	T	-
<i>Nelumbo lutea</i>	American lotus	-	T	-

Scientific Name	Common Name	Ontario Status	Michigan Status	U.S. Federal Status
<i>Obovaria olivaria</i>	Hickorynut	-	SC	-
<i>Obovaria subrotundra</i>	Round Hickorynut	-	E	-
<i>Opuntia humifusa</i>	Eastern Prickly Pear Cactus	E	-	-
<i>Panax quinquefolius</i>	Ginseng	E	T	-
<i>Penstemon pallidus</i>	Pale Beard Tongue	-	SC	-
<i>Phaseolus polystachios</i>	Wild Bean	-	SC	-
<i>Phegopteris hexagonoptera</i>	Broad Beech Fern	SC	-	-
<i>Plantago cordata</i>	Heart-leaved Plantain	E	-	-
<i>Platanthera leucophaea</i>	Prairie Fringed Orchid	E	E	T
<i>Polygala cruciata</i>	Cross-leaved milkwort	-	SC	-
<i>Polygala incarnata</i>	Pink milkwort	E	X	-
<i>Potentilla paradoxa</i>	Sand Cinquefoil	-	T	-
<i>Potamogeton hillii</i>	Hill's Pondweed	T	-	-
<i>Ptelea trifoliata</i>	Common Hoptree	T	-	-
<i>Pycnanthemum incanum</i>	Hoary Mountain-mint	E	-	-
<i>Quercus shumardii</i>	Shumard's Oak	SC	SC	-
<i>Rhexia virginica</i>	Meadow-beauty	-	SC	-
<i>Rosa setigera</i>	Climbing Prairie Rose	SC	-	-
<i>Rotala ramosior</i>	Tooth-cup	E	SC	-
<i>Ruellia humilis</i>	Hairy Ruellia	-	T	-
<i>Sagittaria montevidensis</i>	Arrowhead	-	T	-
<i>Sanguisorba canadensis</i>	Canadian Burnet	-	T	-
<i>Scirpus clintonii</i>	Clinton's Bulrush	-	SC	-
<i>Scleria pauciflora</i>	Few-flowered nut-rush	-	E	-
<i>Scleria triglomerata</i>	Tall nut-rush	-	SC	-
<i>Silene virginica</i>	Fire Pink	-	T	-
<i>Silphium laciniatum</i>	Compass-plant	-	T	-
<i>Silphium perfoliatum</i>	Cup-plant	-	T	-
<i>Smilax herbacea</i>	Smooth Carrion-flower	-	SC	-
<i>Smilax rotundifolia</i>	Round-leaved Greenbrier	T	-	-
<i>Solidago riddellii</i>	Riddell's Goldenrod	SC	-	-
<i>Solidago speciosa</i>	Showy Goldenrod	E	-	-
<i>Strophostyles helvula</i>	Trailing Wild Bean	-	SC	-
<i>Stylophorum diphyllum</i>	Wood Poppy	E	-	-
<i>Symphyotrichum praealtum</i>	Willowleaf Aster	T	-	-
<i>Symphyotrichum prenanthoides</i>	Crooked-stem Aster	T	-	-
<i>Symphyotrichum sericeum</i>	Western Silvery Aster	E	-	-
<i>Tephrosia virginiana</i>	Virginia's Goat-rue	E	-	-
<i>Trichophorum planifolium</i>	Bashful Bulrush	E	-	-
<i>Trillium flexipes</i>	Drooping trillium	E	-	-
<i>Trillium recurvatum</i>	Prairie Trillium	-	T	-

Scientific Name	Common Name	Ontario Status	Michigan Status	U.S. Federal Status
<i>Triphora trianthophora</i>	Nodding Pogonia	E	-	-
<i>Vaccinium stamineum</i>	Deerberry	T	-	-
<i>Viola pedata</i>	Bird's foot violet	E	-	-
<i>Wisteria frutescens</i>	Wisteria	-	T	-
<i>Woodsia obtusa</i>	Blunt-lobed Woodsia	E	T	-
<i>Zizania aquatica var. aquatica</i>	Wild Rice	-	T	-

Avian Species

Listed bird species in Wayne county of Michigan and in the Province of Ontario by the Michigan Natural Features Inventory, the United States Fish and Wildlife Services, and the Committee on the Status of Endangered Wildlife in Canada of the Ontario Ministry of Natural Resources. SC = Species of Special Concern, T = threatened, and E = endangered, (-) = not listed.

Scientific Name	Common Name	Michigan State Status	Ontario Status	U.S. Status
<i>Ammodramus henslowii</i>	Henslow's sparrow	T	E	-
<i>Asio flammeus</i>	Short-eared owl	E	SC	-
<i>Buteo lineatus</i>	Red-shouldered Hawk	T	SC	-
<i>Charadrius melodus circumcinctus</i>	Piping Plover	E	E	E
<i>Colinus virginianus</i>	Northern Bobwhite	-	E	-
<i>Coturnicops noveboracensis</i>	Yellow Rail	T	SC	-
<i>Dendroica cerulea</i>	Cerulean warbler	SC	SC	-
<i>Dendroica kirklandii</i>	Kirkland's warbler	E	E	E
<i>Empidonax vireescens</i>	Acadian flycatcher	-	E	-
<i>Falco Peregrinus</i>	Peregrine Falcon	E	T	-
<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	E	T
<i>Lanius ludovicianus migrans</i>	Eastern Loggerhead Shrike	-	E	-
<i>Icteria virens virens</i>	Yellow-breasted Chat	-	SC	-
<i>Ixobrychus exilis</i>	Least Bittern	T	T	-
<i>Melanerpes erythrocephalus</i>	Red-headed woodpecker	-	SC	-
<i>Numenius borealis</i>	Eskimo Curlew	-	E	-
<i>Nycticorax nycticorax</i>	Black-crowned Night Heron	SC	-	-
<i>Protonotaria citrea</i>	Prothonotary warbler	SC	E	-
<i>Rallus elegans</i>	King Rail	E	E	-
<i>Seiurus motacilla</i>	Louisiana waterthrush	SC	SC	-
<i>Tyto alba</i>	Barn Owl	E	E	-
<i>Wilsonia citrina</i>	Hooded Warbler	SC	T	-

Reptiles and Amphibians

Listed reptile and amphibian species in Wayne county of Michigan and in the Province of Ontario by the Michigan Natural Features Inventory, the United States Fish and Wildlife Services, and the Committee on the Status of Endangered Wildlife in Canada of the Ontario Ministry of Natural Resources. X= believed extirpated, SC = Species of Special Concern, T = threatened, and E = endangered, (-) = not listed.

Scientific Name	Common Name	Michigan State Status	Ontario Status	U.S Status
<i>Acris crepitans</i>	Northern (Blanchard's) Cricket Frog	SC	E	-
<i>Ambystoma jeffersonianum</i>	Jefferson Salamander	-	T	-
<i>Ambystoma texanum</i>	Smallmouth Salamander	E	E	-
<i>Apalone spinifera</i>	Spiny softshell	-	T	-
<i>Bufo fowleri</i>	Fowler's Toad	-	T	-
<i>Clemmys guttata</i>	Spotted Turtle	T	E	-
<i>Coluber constrictor foxii</i>	Blue Racer	-	E	-
<i>Elaphe gloydi</i>	Eastern Foxsnake	-	T	-
<i>Elaphe obsoleta</i>	Eastern (Black) Rat Snake	SC	T	-
<i>Elaphe vulpine gloydi</i>	Eastern Fox Snake	T	T	-
<i>Eumeces fasciatus</i>	Five-lined Skink	-	SC	-
<i>Glyptemys insculpta</i>	Wood Turtle	SC	E	-
<i>Graptemys geographica</i>	Northern Map Turtle	-	SC	-
<i>Gyrinophilus porphyriticus</i>	Spring Salamander	-	X	-
<i>Heterodon platirhinos</i>	Eastern hog-nose snake	-	T	-
<i>Lampropeltis triangulum</i>	Milksnake	-	SC	-
<i>Nerodia sipedon insularum</i>	Lake Erie Watersnake	-	E	T in Ohio
<i>Regina septemvittata</i>	Queen Snake	-	T	-
<i>Sistrurus catenatus catenatus</i>	Eastern Massasauga	SC	T	Candidate
<i>Sternotherus odoratus</i>	Stinkpot	-	T	-
<i>Thamnophis butleri</i>	Butler's Gartersnake	-	T	-
<i>Thamnophis sauritus</i>	Eastern Ribbonsnake	-	SC	-

Mammals

Listed mammal species in Wayne county of Michigan and in the Province of Ontario by the Michigan Natural Features Inventory, the United States Fish and Wildlife Services, and the Committee on the Status of Endangered Wildlife in Canada of the Ontario Ministry of Natural Resources. SC = Species of Special Concern, T = threatened, and E = endangered, (-) = not listed.

Scientific Name	Common Name	Michigan State Status	Ontario Status	U.S Status
<i>Canis lupus lycaon</i>	Eastern Gray Wolf	T	SC	T
<i>Glaucomys volans</i>	Southern Flying Squirrel	-	SC	-
<i>Microtus pinetorum</i>	Woodland vole	SC	SC	-
<i>Myotis sodalis</i>	Indiana Bat	E	-	E
<i>Scalopus aquaticus</i>	Eastern mole	-	SC	-
<i>Taxidea taxus jacksoni</i>	American Badger	-	E	-
<i>Urocyon cinereoargenteus</i>	Grey Fox	-	T	-