

appendices



## appendix A - threatened and endangered species

Tables A1 and A2 present threatened and endangered plant and animal species that are known to occur in the watershed, or have occurred in the watershed in the past. The tables include the species common name, scientific name, status (state or federally threatened or endangered), and a general indication of the type of habitat that supports the species and how that habitat is used. Table A3 lists the groups of migratory bird species that have the potential to use habitat along the Lake Michigan coast as stopover and/or breeding and foraging locations, the type of habitat that species group uses, and how the habitat is used.

Table A1 Threatened and Endangered Animal Species

Common Name	Scientific Name	Status	Habitat / Use
Black-crowned night-heron	<i>Nycticorax nycticorax</i>	SE	Palustrine Wetlands / Breeding, Foraging
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	ST	Mesic Prairie / Foraging
Henslow's sparrow	<i>Ammodramus henslowii</i>	SE	Wet Prairies / Breeding, Foraging
King rail	<i>Rallus elegans</i>	SE	Palustrine Wetlands / Breeding, Foraging
Least bittern	<i>Ixobrychus exilis</i>	SE	Palustrine Wetlands / Breeding, Foraging
Pied-billed grebe	<i>Podilymbus podiceps</i>	SE	Palustrine Wetlands / Breeding, Foraging
Piping plover	<i>Charadrius melodus</i>	FT	
Upland sandpiper	<i>Bartramia longicauda</i>	SE	Foredune and Beach / migration, foraging
Veery	<i>Catharus fuscescens</i>	ST	Wet Woods / Migration, Foraging
Hoary elfin	<i>Incisalia polios</i>	SE	Sand Savanna / Breeding, Foraging
Karner Blue Butterfly	<i>Lycaeides melissa samuelis</i>	SE,FE	Sand Savanna, Palustrine Wetlands, Wet Mesic Prairie / Breeding,
Foraging Leafhopper	<i>Paraphlepsius lupulus</i>	SE	Breeding, Foraging
Redveined leafhopper	<i>Afelia rubranura</i>	ST	Prairies / Breeding, Foraging
Cisco	<i>Coregonus artedii</i>	ST	Lacustrine / Foraging
Lake whitefish	<i>Coregonus clupeaformis</i>	ST	Lacustrine / Foraging
Longnose sucker	<i>Catostomus catostomus</i>	ST	Riverine / Breeding, Foraging
Blanding's turtle	<i>Emydoidea blandingii</i>	ST	Palustrine Wetlands / Breeding, Foraging
Kirtland's watersnake	<i>Clonophis kirtlandii</i>	SE	Palustrine Wetlands / Breeding, Foraging

State endangered (SE); State threatened (ST); Federal endangered (FE); Federal Threatened (FT)

Table A2 Threatened and Endangered Plant Species

Common Name	Scientific Name	Status	Habitat
American sea-rocket	<i>Cakile edentula</i>	ST	Beach and Fore dune
Balsam poplar	<i>Populus balsamifera</i>	SE	Sand Dunes and Mesic Prairie
Beaked rush	<i>Rhynchospora alba</i>	ST	Palustrine Wetlands (fens and interdunal swales)
Bearberry	<i>Arctostaphylos uva-ursi</i>	SE	Sand Savanna and Sand Prairie
Bearded wheat grass	<i>Elymus trachycalus</i>	SE	Mesic Prairie
Bog arrow-grass	<i>Triglochin palustre</i>	ST	Palustrine Wetlands (fens and interdunal swales)

## appendix A - threatened and endangered species

Table A2 Threatened and Endangered Plant Species (Con't)

Common Name	Scientific Name	Status	Habitat / Use
Capitate spikerush	Eleocharis olivacea	SE	Palustrine Wetlands (interdunal swales)
Clustered broomrape	Orobanche fasciculata	SE	Dry Sand Prairie
Downey yellow-painted cup	Castilleja sessiliflora	SE	Dry Mesic Sand Prairie
Dune willow	Salix syrticola	SE	Sand Dunes
Eastern prairie fringed orchid	Platanthera leucophea	SE, FT	Wet to Mesic Prairies
Elk sedge	Carex garberi	SE	Calcareous Beach Ridges and Palustrine Wetlands (swales)
Flat-leaved bladderwort	Utricularia intermedia	SE	Palustrine Wetlands (fens and interdunal swales)
Forked Aster	Aster furcatus	ST	Seeps
Golden sedge	Carex aurea	SE	Palustrine Wetlands (fens and sedge meadows)
Grass-pink orchid	Calopogon tuberosus	SE	Palustrine Wetlands (fens)
Ground juniper	Juniperus communis	ST	Sand Dunes
Horned bladderwort	Utricularia cornuta	SE	Palustrine Wetlands (fens and peaty sands)
Jack Pine	Pinus banksiana	SE	Sand Ridges
Kalm's St. John's Wort	Hypericum kalmianum	SE	Palustrine Wetlands (interdunal swales) and Mesic Sand Prairie
Little green sedge	Carex viridula	ST	Palustrine Wetlands (interdunal swales)
Marram (beach) grass	Ammophila breviligulata	SE	Beach, Foredune and Sand Dunes
Marsh speedwell	Veronica scutellata	ST	Palustrine Wetlands (marsh and fen)
Pale false foxglove	Agalinis skinneriana	ST	Wet to Wet-Mesic Sand Prairies
Reddish bulrush	Scirpus microcarpus	SE	Palustrine Wetlands (marsh)
Richardson's rush	Juncus alpinoarticulatus	SE	Palustrine Wetlands (fens and interdunal swales)
Redroot	Ceanothus ovatus	SE	Sand Savanna and Sand Prairie
Roundleaf sundew	Drosera rotundifolia	SE	Peaty Sand
Pinweed	Lechia intermedia	ST	Dry Sand Prairie
Pitcher's thistle	Cirsium pitcheri	ST, FT	Beach, Foredune and Sand Dunes
Purple-fringed orchid	Platanthera psycodes	SE	Mesic Sand Prairies
Seaside arrow-grass	Triglochin maritima	ST	Palustrine Wetlands (fens and interdunal swales)
Seaside spurge	Chamaesyce polygonifolia	SE	Beach and Foredune
Small bladderwort	Utricularia minor	SE	Palustrine Wetlands (fens and interdunal swales)
Sticky False-asphodel	Tofieldia glutinosa	ST	Palustrine Wetlands (fens and interdunal swales)
Trailing juniper	Juniperus horizontalis	SE	Sand Dunes
Tuber-cled orchid	Platanthera fava var herbiola	SE	Wet-mesic Sand Prairie
Wood orchid	Platanthera clavellata	SE	Mesic Sand Prairie

State endangered (SE); State threatened (ST); Federal endangered (FE); Federal Threatened (FT)

Table A3 Migratory Bird Species Groups

Bird group	Habitat	Use
Sea birds (gulls, terns, Scoters, Oldsquaw)	Coastal f yway, lacustrine and some palustrine wetlands	migration, foraging
Least bitterns, Sora, Virginia, & King rails	Palustrine marsh	breeding, migration, foraging
Piping Plover	Coastal f yway, nesting habitat, palustrine wetlands	breeding, migration, foraging
Hawks Coastal	f yway	migration, foraging
Waterfowl Palustrine	wetlands	migration

