

Invasive / Exotic Species

A number of introduced species in the Lake Superior basin have caused problems for existing native flora and fauna. Since the early 1800s, over 160 non-native species have been introduced into the Great Lakes. Over 60% of these have arrived since 1960 following the opening of the St. Lawrence Seaway, most likely through the ballast water discharge of large ships. The Duluth-Superior Harbor is an international port with annual traffic of 1,100 ships.

About 42% of the species on the federal Threatened or Endangered species lists are at risk primarily because of invasive species.

INVASIVE AQUATIC SPECIES LIKELY PRESENT IN THE PROJECT AREA

Threespine stickleback
(*Gasterosteus aculeatus*)



Sea Lamprey
(*Petromyzon marinus*)



Rusty crayfish
(*Orconectes rusticus*)



Round goby
(*Neogobius melanostomus*)



Zebra mussel
(*Dreissena polymorpha*)



Common carp (*Cyprinus carpio*)



Alewife herring
(*Alosa pseudoharengus*)



Eurasian ruffe
(*Gymnocephalus cerninus*)



Spiney water flea
(*Daphnia lumholztii*)



INVASIVE VEGETATION PRESENT IN THE PROJECT AREA

Garlic Mustard (*Alliaria petiolata*)



Common reed (*Phragmites australis*)



Hybrid cattail (*Typha x glauca*)



Reed canarygrass
(*Phalaris arundinacea*)



Purple loosestrife (*Lythrum salicaria*)



Rare / Threatened / Endangered Species

The following rare, threatened, or endangered species have been sighted within the Lower St. Louis River region in the last 20 years (WDNR Natural Heritage Inventory Database):

BIRDS

American Bittern *Botaurus lentiginosus*
 Bald Eagle *Haliaeetus leucocephalus*
 Blue-Winged Teal *Anas discors*
 Cape May Warbler *Dendroica tigrina*
 Caspian Tern *Sterna caspia*
 Common Tern *Sterna hirundo*
 Least Bittern *Ixobrychus exilis*
 Merlin *Falco columbarius*
 Nashville Warbler *Vermivora ruficapilla*
 Northern Harrier *Circus cyaneus*
 Osprey *Pandion haliaetus*
 Pine Siskin *Carduelis pinus*
 Piping Plover *Charadrius melodus*
 Veery *Catharus fuscescens*



MAMMALS

Franklin's Ground Squirrel *Spermophilus franklinii*
 Gray wolf *Canis lupus*
 Canada lynx *Lynx canadensis*

FISH

Lake Sturgeon *Acipenser fulvescens*

REPTILES & AMPHIBIANS

Wood Turtle *Clemmys insculpta*

VASCULAR PLANTS

Adder's Tongue *Ophioglossum vulgatum* var. *pseudopodium*
 Arrow-Leaved Sweet Coltsfoot *Petasites sagittatus*
 Canada Gooseberry *Ribes oxycanthoides*
 Common Bog Arrow Grass *Triglochin maritimum*
 Crinkled Hairgrass *Deschampsia flexuosa*
 Fairy Slipper *Calypto bulbosa*
 Fir Clubmoss *Lycopodium selago*
 Hoary Elfyn *Incisalia polia*
 Juniper Clubmoss *Lycopodium sabiniaefolium*
 Large Roundleaf Orchid *Platanthera orbiculata*
 Little Grape Fern *Botrychium simplex*
 Marsh Grass-of-Parnassus *Parnassia palustris*
 Marsh Horsetail *Equisetum palustre*
 Marsh Ragwort *Senecio congestus*
 Mountain Cranberry *Vaccinium vitis-idaea* ssp. *minus*
 New England Violet *Viola novae angliae*
 Northern Black Currant *Ribes hudsonianum*
 Northern Bur Reed *Sparganium glomeratum*
 Savin-Leaved Club Moss *Lycopodium sabiniaefolium*
 Seaside Crowfoot *Ranunculus cymbalaria*
 Showy Lady's Slipper *Cypripedium reginae*
 Slender Spike Rush *Eleocharis nitida*
 Small Yellow Lady's Slipper *Cypripedium parviflorum*
 Small Yellow Water Crowfoot *Ranunculus gmelinii* var. *hookeri*
 Tea-Leaved Willow *Salix planifolia*
 Variegated Horsetail *Equisetum variegatum*
 Vasey Rush *Juncus vaseyi*
 Veined Meadowrue *Thalictrum venulosum*

