

Appendix E Fish Records



Appendix E Fish Community Data for Lake Superior Near (within 50 km) the Study Area

Family ¹	Scientific Name ¹	Common Name ¹	S-Rank ²	SARO Status ³	COSEWIC Status ⁴	SARA Status ⁵	Source(s)
Acipenseridae	<i>Acipenser fulvescens</i> pop. 3	Lake Sturgeon (Great Lakes - Upper St. Lawrence River population)	S2	END	THR	Not Listed	NHIC, GEO
Catostomidae	<i>Catostomus catostomus</i>	Longnose Sucker	S5	Not Listed	No Status	Not Listed	GEO
Catostomidae	<i>Catostomus commersonii</i>	White Sucker	S5	Not Listed	No Status	Not Listed	GEO
Catostomidae	<i>Moxostoma anisurum</i>	Silver Redhorse	S4	Not Listed	No Status	Not Listed	GEO
Catostomidae	<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	S5	Not Listed	No Status	Not Listed	GEO
Centrarchidae	<i>Ambloplites rupestris</i>	Rock Bass	S5	Not Listed	No Status	Not Listed	GEO
Clupeidae	<i>Alosa pseudoharengus</i>	Alewife	SNA	Not Listed	No Status	Not Listed	GEO
Cottidae	<i>Cottus bairdii</i>	Mottled Sculpin	S5	Not Listed	No Status	Not Listed	GEO
Cottidae	<i>Cottus cognatus</i>	Slimy Sculpin	S5	Not Listed	No Status	Not Listed	GEO
Cottidae	<i>Cottus ricei</i>	Spoonhead Sculpin	S4	NAR	NAR	Not Listed	GEO
Cyprinidae	<i>Cyprinus carpio</i>	Common Carp	SNA	Not Listed	No Status	Not Listed	GEO
Esocidae	<i>Esox lucius</i>	Northern Pike	S5	Not Listed	No Status	Not Listed	GEO
Gadidae	<i>Lota lota</i>	Burbot	S5	Not Listed	No Status	Not Listed	GEO
Gasterosteidae	<i>Apeltes quadracus</i>	Fourspine Stickleback	SNA	Not Listed	No Status	Not Listed	GEO
Gasterosteidae	<i>Culaea inconstans</i>	Brook Stickleback	S5	Not Listed	No Status	Not Listed	GEO
Gasterosteidae	<i>Gasterosteus aculeatus</i>	Threespine Stickleback	S4S5	Not Listed	No Status	Not Listed	GEO
Gasterosteidae	<i>Pungitius pungitius</i>	Ninespine Stickleback	S5	Not Listed	No Status	Not Listed	GEO
Gobiidae	<i>Neogobius melanostomus</i>	Round Goby	SNA	Not Listed	No Status	Not Listed	GEO
Ictaluridae	<i>Ameiurus melas</i>	Black Bullhead	S4	Not Listed	No Status	Not Listed	GEO
Ictaluridae	<i>Ameiurus nebulosus</i>	Brown Bullhead	S5	Not Listed	No Status	Not Listed	GEO
Leuciscidae	<i>Chrosomus eos</i>	Northern Redbelly Dace	S5	Not Listed	No Status	Not Listed	GEO
Leuciscidae	<i>Chrosomus neogaeus</i>	Finescale Dace	S5	Not Listed	No Status	Not Listed	GEO
Leuciscidae	<i>Hybognathus hankinsoni</i>	Brassy Minnow	S5	Not Listed	No Status	Not Listed	GEO
Leuciscidae	<i>Luxilus cornutus</i>	Common Shiner	S5	Not Listed	No Status	Not Listed	GEO



Family ¹	Scientific Name ¹	Common Name ¹	S-Rank ²	SARO Status ³	COSEWIC Status ⁴	SARA Status ⁵	Source(s)
Leuciscidae	<i>Margariscus nachtriebi</i>	Northern Pearl Dace	S5	Not Listed	No Status	Not Listed	GEO
Leuciscidae	<i>Notemigonus crysoleucas</i>	Golden Shiner	S5	Not Listed	No Status	Not Listed	GEO
Leuciscidae	<i>Notropis atherinoides</i>	Emerald Shiner	S5	Not Listed	No Status	Not Listed	GEO
Leuciscidae	<i>Notropis heterolepis</i>	Blacknose Shiner	S5	Not Listed	No Status	Not Listed	GEO
Leuciscidae	<i>Notropis hudsonius</i>	Spottail Shiner	S5	Not Listed	No Status	Not Listed	GEO
Leuciscidae	<i>Notropis volucellus</i>	Mimic Shiner	S5	Not Listed	No Status	Not Listed	GEO
Leuciscidae	<i>Pimephales notatus</i>	Bluntnose Minnow	S5	NAR	NAR	Not Listed	GEO
Leuciscidae	<i>Pimephales promelas</i>	Fathead Minnow	S5	Not Listed	No Status	Not Listed	GEO
Leuciscidae	<i>Rhinichthys cataractae</i>	Longnose Dace	S5	Not Listed	No Status	Not Listed	GEO
Leuciscidae	<i>Semotilus atromaculatus</i>	Creek Chub	S5	Not Listed	No Status	Not Listed	GEO
Osmeridae	<i>Osmerus mordax</i>	Rainbow Smelt	S5	Not Listed	No Status	Not Listed	GEO
Percidae	<i>Etheostoma exile</i>	Iowa Darter	S5	Not Listed	No Status	Not Listed	GEO
Percidae	<i>Etheostoma nigrum</i>	Johnny Darter	S5	Not Listed	No Status	Not Listed	GEO
Percidae	<i>Perca flavescens</i>	Yellow Perch	S5	Not Listed	No Status	Not Listed	GEO
Percidae	<i>Percina caprodes</i>	Logperch	S5	Not Listed	No Status	Not Listed	GEO
Percidae	<i>Sander canadensis</i>	Sauger	S4	Not Listed	No Status	Not Listed	GEO
Percidae	<i>Sander vitreus</i>	Walleye	S5	Not Listed	No Status	Not Listed	GEO
Percopsidae	<i>Percopsis omiscomaycus</i>	Trout-perch	S5	Not Listed	No Status	Not Listed	GEO
Petromyzontidae	<i>Ichthyomyzon fossor</i>	Northern Brook Lamprey	S3	SC	SC	Not Listed	GEO
Petromyzontidae	<i>Ichthyomyzon unicuspis</i> pop. 1	Silver Lamprey (Great Lakes - Upper St. Lawrence populations)	S3	SC	SC	SC	GEO
Petromyzontidae	<i>Lethenteron appendix</i>	American Brook Lamprey	S3	Not Listed	No Status	Not Listed	GEO
Petromyzontidae	<i>Petromyzon marinus</i>	Sea Lamprey	SNA	Not Listed	No Status	Not Listed	GEO
Salmonidae	<i>Coregonus artedii</i>	Cisco	S5	Not Listed	No Status	Not Listed	GEO
Salmonidae	<i>Coregonus clupeaformis</i>	Lake Whitefish	S5	Not Listed	No Status	Not Listed	GEO
Salmonidae	<i>Coregonus hoyi</i>	Bloater	S4	NAR	NAR	Not Listed	GEO
Salmonidae	<i>Coregonus reighardi</i>	Shortnose Cisco	SH	END	END	END	GEO



Family ¹	Scientific Name ¹	Common Name ¹	S-Rank ²	SARO Status ³	COSEWIC Status ⁴	SARA Status ⁵	Source(s)
Salmonidae	<i>Coregonus zenithicus</i>	Shortjaw Cisco	S2	THR	THR	Not Listed	GEO
Salmonidae	<i>Oncorhynchus gorbusha</i>	Pink Salmon	SNA	Not Listed	No Status	Not Listed	GEO
Salmonidae	<i>Oncorhynchus kisutch</i>	Coho Salmon	SNA	Not Listed	No Status	Not Listed	GEO
Salmonidae	<i>Oncorhynchus mykiss</i>	Rainbow Trout	SNA	Not Listed	No Status	Not Listed	GEO
Salmonidae	<i>Oncorhynchus tshawytscha</i>	Chinook Salmon	SNA	Not Listed	No Status	Not Listed	GEO
Salmonidae	<i>Prosopium coulterii</i> pop. 5	Pygmy Whitefish, Great Lakes - Upper St. Lawrence populations	SU	Not Listed	THR	UC	GEO
Salmonidae	<i>Prosopium cylindraceum</i>	Round Whitefish	S4	Not Listed	No Status	Not Listed	GEO
Salmonidae	<i>Salmo trutta</i>	Brown Trout	SNA	Not Listed	No Status	Not Listed	GEO
Salmonidae	<i>Salvelinus fontinalis fontinalis</i>	Brook Trout	S5	Not Listed	No Status	Not Listed	GEO
Salmonidae	<i>Salvelinus namaycush</i>	Lake Trout	S5	Not Listed	No Status	Not Listed	GEO
Salmonidae	<i>Salvelinus namaycush x fontinalis</i>	Splake	SNA	Not Listed	No Status	Not Listed	GEO
Umbridae	<i>Umbra limi</i>	Central Mudminnow	S5	Not Listed	No Status	Not Listed	GEO

Notes:

¹**Family, Scientific Name, and Common Name:** The family, scientific name, and English common name of a species as published by the Natural Heritage Information Centre hosted by the Ministry of Natural Resources and Forestry / Land Information Ontario.

²**S-Rank:** Subnational Rank is the conservation status of a species within a particular province, territory, or state. In this scenario, it is the provincial level ranking system as published by the Natural Heritage Information Centre hosted by the Ministry of Natural Resources and Forestry / Land Information Ontario.

³**SARO Status:** Species at Risk in Ontario (Provincial Status as defined by the Endangered Species Act, 2007 as amended).

⁴**COSEWIC Status:** Status as defined by the Committee on the Status of Endangered Wildlife in Canada.

⁵**SARA Status:** Federal status as defined by the Species at Risk Act.

References:

GEO: Geospatial Ontario On-line Natural Heritage Mapping and Natural Heritage Information Database. Retrieved July 2025 from:

<https://geohub.lio.gov.on.ca/documents/10685ba12bcc48f1a45525fd8d67e1ba/about>

NHIC: Ministry of Natural Resources (MNR). 2025. Natural Heritage Information Centre (NHIC) database. Make a Map: Natural Heritage Areas. Retrieved July 2025 from: https://www.gisapplication.lrc.gov.on.ca/mamnh/ Index.html?site=MNR_NHLUPS_NaturalHeritage&viewer=NaturalHeritage&locale=en-US



Endangered Species Act and Species at Risk Act Acronyms

END: Endangered

THR: Threatened

SC: Special Concern

UC: Under consideration for addition and/or status change to Schedule 1 of SARA

NAR: Not at Risk

Ontario Subnational Rankings (S RANK)

SNA: Not applicable – A conservation status rank is not applicable because the species is not a suitable target for conservation activities

S#S#: Range Rank – A numeric range rank (e.g., S2S3) is used to indicate any range of uncertainty about the status of the species

?: Indicates uncertainty in the assigned rank

S1: Critically Imperiled – Critically imperiled in the province (often 5 or fewer occurrences)

S2: Imperiled – Imperiled in the province, very few populations (often 20 or fewer),

S3: Vulnerable – Vulnerable in the province, relatively few populations (often 80 or fewer)

S4: Apparently Secure – Uncommon but not rare

S5: Secure – Common, widespread, and abundant in the province

B: Breeding: Conservation status refers to the breeding population of the species in the nation or state/province

N: Non-breeding: Conservation status refers to the non-breeding population of the species in the nation or state/province

M: Migrant: Migrant species occurring regularly on migration at particular staging areas or concentration spots where the species might warrant conservation attention. Conservation status refers to the aggregating transient population of the species in the nation or state/province



Appendix F Species List

