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Ministère de l'Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs

Hunting, Fishing and Trapping Coordinating Committee

March 20th-21st 2024





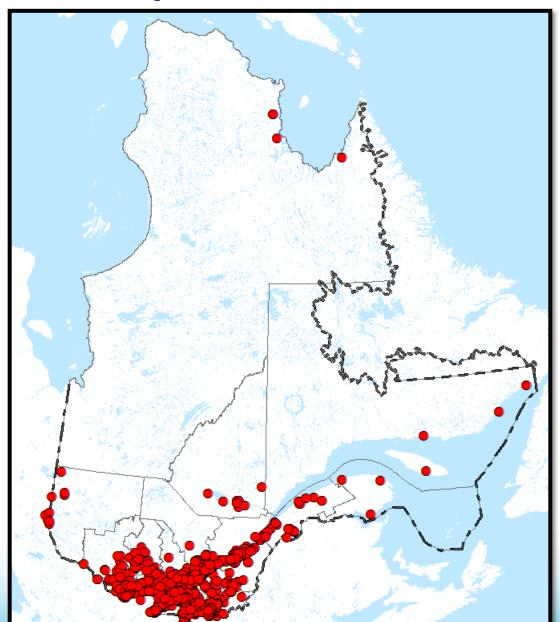




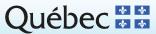


Aquatic invasive alien species in Quebec

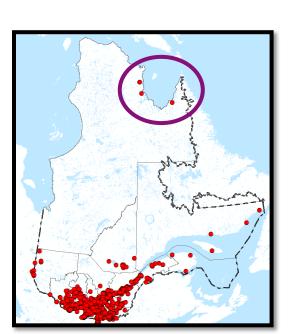
More than 30 species present!







2





Pink salmon is an exotic salmon

in Québec. Introduced into northwestern Russia in the late

North Pacific.

species in eastern North America that risks becoming invasive

1950s, it subsequently dispersed

throughout northern Europe and has recently migrated westward. Its natural distribution area is in the

The Ministère de l'Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs (MELCCFP) is seeking your help to

detect this aquatic invasive species. Should you catch or sight one or more pink salmon:

1. Make note of the number of specimens, their size, the date, and the sector where they were caught (include GPS coordinates, 2. Take a picture, when possible. 3. If you can preserve your catch: a preserve the entire head in the freezer, if possible, for analysis by the MELCCFP; b.preserve the flesh for consumption. 4. Contact MELCCFP customer service to submit your information:

services.clientele@mffp.gouv.qc.ca Telephone: 1 877 346-6763

PINK SALMON

ONCORHYNCHUS GORBUSCHA PINK SALMON

Colouring: Pink salmons are silver in colour, with a blue or blue-green back. During reproduction, the colour changes to pale grey with red sides embellished with large brown-green spots.

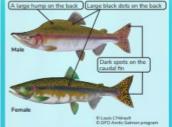
Maximum size: Specimens measure between 50 and 63 cm (20-25 in.) and weigh between 1.6 and 2.3 kg (3.5-5 lb.).

WANTED

SALTWATER STAGE PINK SALMON Dark spots on the caudal fin

Large black dots on the back

FRESHWATER STAGE



SALTWATER STAGE

FRESHWATER STAGE



50-63 cm (20-25 in.)



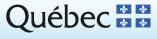


RAINBOW TROUT



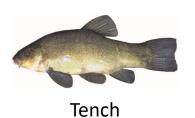


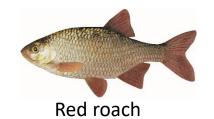






Aquatic invasive alien species of greatest concerning Quebec



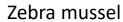






Round bogy Rusty creyfish





Votre .

gouvernement



Quagga mussel



Chinese mystery snail



Banded mystery snail



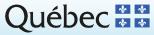
Eurasian water milfoil



Water chestnut





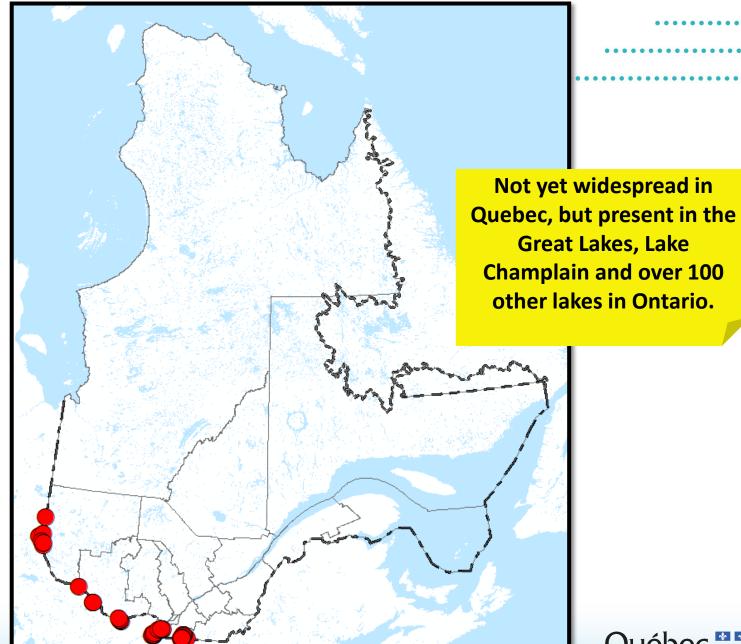


Spiny waterflea







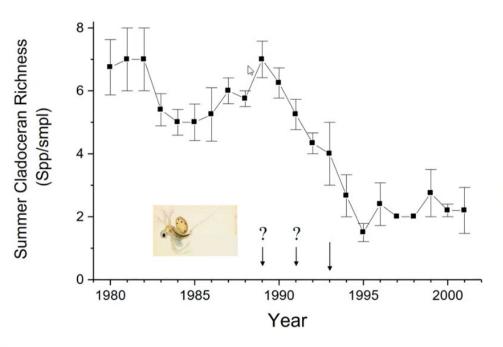




Spiny waterflea impacts

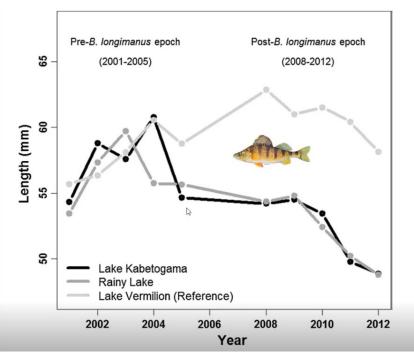
Decrease in zooplankton diversity and abundance





The spiny water flea reduces fishing quality by competing with fish.

Reduced fish growth



Walsh et al. 2018 Limnol.Oceanorg.







What you need to know to prevent their introduction

Several activities can encourage the spread of aquatic invasive species.



Recreational boating



Sport fishing from a boat



Various water sports



Watercrafts



Waterfowl hunting



Various water sports



Diving



Wade fishing



What you need to know to prevent their introduction

Boating activities can promote dispersion through the transport of debris, residual water and dirt on boats and equipment.



Plant fragments



Clusters of spiny water flea on fishing line



Zebra mussel on vegetation



Zebra mussel larvae



Zebra mussel on boat propeller



Residual water

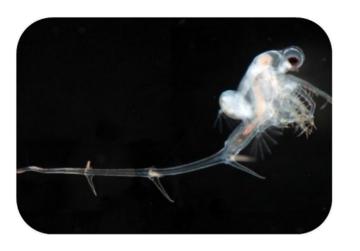




What you need to know to prevent their introduction

Invasive species are **VERY** resistants.

Spiny water flea eggs survive digestion by fish and several years buried in sediment.







What can you do?

Clean boats and equipment entering controlled operating areas:

- 1) Apply best practices.
- 2) Making cleaning stations available to users.



Boat cleaning stations program 2023-2028



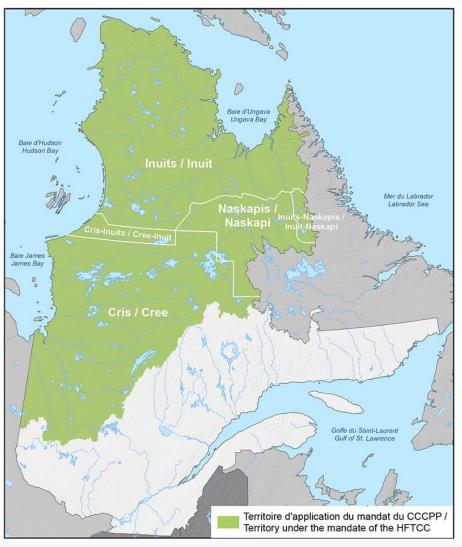




Boat cleaning stations program 2023-2028

- The aim of the program is to set up or improve fixed or mobile boat cleaning stations to help preventing the introduction of aquatic invasive alien species or pathogenic organisms of aquatic fauna.
- It includes support for financing new boat cleaning stations or refurbishment of existing ones.
- First nations communities recognized by the Quebec National Assembly are eligible entities to apply to the program.







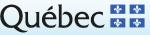
Boat cleaning stations program 2023-2028

 Projects are finances up to 80% of total eligible expenses, to a maximum of \$30,000 per project.

« The cost of a boat cleaning station may vary between \$20 k and \$45 k, depending on the need to install an energy-independent system, an automated opening device or to undertake excavation work to accommodate the water flow. »







Contacts and links

 Programme Stations de nettoyage d'embarcations 2023-2028 | Gouvernement du Québec (quebec.ca)

 Write your questions to <u>StationsEAE@mffp.gouv.qc.ca</u> for more information

Québec

Accueil < Tourisme et loisirs < Activités sportives et de plein air < Aides financières pour le secteur du loisir, de la faune et du plein air < Programme Stations de nettoyage d'embarcations 2023-2028

Programme Stations de nettoyage d'embarcations 2023-2028

Le programme contribue à la lutte contre les espèces aquatiques envahissantes (EAE) et les organismes pathogènes de la faune aquatique. Il encourage l'installation ou la réfection de stations de nettoyage d'embarcations.

Dans cette page:

Financement

Conditions d'admissibilité

Déposer une demande d'aide financière

Date d'échéance

Remplir le rapport final de projet





Questions or comments?

Environnement, Lutte contre les changements climatiques, Faune et Parcs









