


This project will:

 **fill in data gaps** to improve conservation efforts of Arctic grayling

 reconstruct a more **accurate historical baseline** of Arctic grayling populations

GET INVOLVED!

What would be asked of you:

Field work: walk ~ 2 km along a stream and spin-cast or fly fish for at least 90 minutes while collecting fish habitat data.

Interviews: have a conversation about the changes in Arctic grayling populations. If comfortable, interview will include participatory mapping of historically important areas for Arctic grayling.

If you are interested in assisting in field work this summer and/or sharing your knowledge of Arctic grayling please contact:


Kate Marouelli
(kmarouelli@friresearch.ca)

and

Kaine Giroux
(kaine.giroux@srfn.ca)

CONTACT INFO

Kate Marouelli
Biologist, fRI Research
 kmarouelli@friresearch.ca

Kaine Giroux
Environmental Monitoring and Compliance, SRFN
 kaine.giroux@srfn.ca



The University of Calgary
Conjoint Faculties Research
Ethics Board approved this
study (REB25-1781)

Funding:



Fisheries and Oceans
Canada
Pêches et Océans
Canada





Environment and
Climate Change Canada
Environnement et
Changement climatique Canada

How have Arctic grayling populations changed through generations within the Swan River watershed?



ARCTIC GRAYLING

 rely on **cold, clean, complex** and **connected** waters

 Species of Special Concern in Alberta

 populations have **declined by ~70%** since 1960

 zero harvest limit across Alberta

 Arctic grayling range

 Kinuso, AB




HISTORICAL ABUNDANCE

What did Arctic grayling populations use to look like within the Swan River watershed?




We will be conducting interviews with SRFN community members to:


 better understand peoples relationship to fish

 better understand how many and where Arctic grayling use to be on the landscape

CURRENT ABUNDANCE

How has the number of Arctic grayling across the Swan River watershed changed?

 we will be conducting fish surveys through **spin-cast and fly fishing**

 this will allow us to gain a better understanding of **how Arctic grayling populations have changed** within the past decade

