NPC 150856: Characterizing contaminant levels in softshell clams in Frobisher Bay near Iqaluit, NU

Close

Proposal Status: Conformity Determination Issued

Overview Documents

Project Overview

Type of application: New

Proponent name:

Ken Jeffries

Proponent company:

University of Manitoba

Project Description:

We are aiming to collect or purchase from community members up to 100 softshell clams from Frobisher Bay. This is a popular food species for the local community. This work will be a continuation of previous studies by my research team that were conducted as a part of the DFO baseline monitoring program. In this proposed work, we aim to collect clams near the Iqaluit wastewater treatment plant and other areas within Koojesse Inlet where they are not harvested by locals. We will monitor the contaminant levels in these clams (PAHs, PCBs, Mercury) and compare with clams that are harvested by community members outside of Koojesse Inlet to quantify the role of wastewater effluent versus atmospheric transport of contaminants into the region. Further, we will be able to monitor the contaminant levels from regions where people are consuming them within Frobisher Bay. This is part of a DFO funded project that focuses on contaminants in the Arctic. We will hire a local guide with a boat to access clam sampling locations within Koojesse Inlet. Clams will all be harvested by hand, frozen and taken back to Winnipeg for processing.

Project Schedule

Start Date:

2025-08-15

End Date:

2025-10-15

Project Map

List of project geometries:

Id

Geometry

Location Name

18263

polygon

Location for collection sites for softshell clams.

NPC Planning regions:

No Approved Plan

Project Land Use and Authorizations

Project Land Use:

Scientific Research

Licensing Agencies:

Government of Canada - Fisheries and Oceans Canada

Material Use

Equipment:

Type

Quantity

Type

Use

No data found

Fuel Use:

Type

Container

Capacity

Use

No data found

Hazardous Material and Chemical Use:

Type

Container

Capacity

Use

No data found

Water Consumption:

Daily Amount (m^2)

Retrieval Method

Retrieval Location

0

Waste and Impacts

Environmental Impacts:

There are no foreseen environmental impacts for this work.

Waste Management:

Waste Type

Quantity Generated

Treatement Method

Disposal Method

No data found