

Project Dashboard

Assessment of coastal contamination in trace metals in marine sediments near Kugluktuk

(149789)

Proposal Status: Conformity Determination Issued

- **Overview**
- Documents

Project Overview

Type of application: **New**

Proponent name:	Camille Brice
Company:	Université du Québec à Rimouski

Schedule:

Start Date:	2022-08-08
End Date:	2022-08-11
Operation Type:	Seasonal

Project Description:

The proposed project is part of a PhD project at Université du Québec à Rimouski, partly funded by Polar Knowledge Canada under the Northern Scientific Training Program. It consists of a sampling campaign that would take place in the coastal area near Kugluktuk community at the beginning of august. Dates are flexible depending on the availability of local guides. The PhD research project is an assessment of trace metals (notably heavy metals) contamination in marine sediment of the Canadian Arctic Archipelago (CAA), with a special interest for areas close to northern communities. It will provide baseline information on the CAA seafloor chemical composition and will help to determine the ecological risk associated to trace metals contamination. Data collected for this project and resulting information will hopefully provide new insights on this environmental concern and support communities and government authorities with future decisions. During the proposed sampling campaign, we will collect surface marine sediment with a grab sampler (possibly a Van Veen type) in an area close to Kugluktuk coast. Number of samples will vary between 10 and 20, depending on the type of sediment. In collaboration with a local guide, sampling will be carried out using a zodiac/boat. Results will be presented at workshops and conferences and will result in a publication in a scientific journal.

Personnel:

Persons:	2
Days:	3

Project Map

List of all project geometries:

ID	Geometry	Location Name
8850	polygon	New project geometry

Planning Regions:

Qikiqtani

Affected Areas and Land Types

Municipal

Settlement Area

Project Land Use and Authorizations

Project Land Use

Scientific Research
Scientific Research

Licensing Agencies

NRI: Scientific Research Licence

Other Licensing Requirements

No data found.

Material Use

Equipment

Type	Quantity	Size	Use
Van Veen grab sampler	1	35 x 20 x 20 cm	Collect surface sediment samples
Boat	1	18'	To reach sampling stations from Kugluktuk

Fuel Use

Type	Container(s)	Capacity	UOM	Use
Diesel	1	1	Liters	Diesel for the boat, quantity depending on the boat

Hazardous Material and Chemical Use

Type	Container(s)	Capacity	UOM	Use
No records found.				

Water Consumption

Daily Amount (m ³)	Retrieval Method	Retrieval Location
0		

Waste and Impacts

Environmental Impacts

No anticipated environmental impacts

Waste Management

Waste Type	Quantity Generated	Treatment Method	Disposal Method
No data found.			