

Project Dashboard

Coastal Surveys of Common Eider Nesting Islands in the Belcher Island Archipelago, Nunavut (149308)

Proposal Status: Conformity Determination Issued

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Project Overview

Type of application: **New**

Proponent name: Holly Hennin

Company: ECCC

Schedule:

Start Date: 2020-06-20

End Date: 2022-08-30

Operation Type: Annual

Project Description:

We are investigating multiple issues of particular management importance. The first issue is to establish population estimates for common eiders in this region. Little is currently known about colony sizes throughout the archipelago and surveys have not been conducted since the 1990's. These surveys will be an important first step towards determining the changes in colony distributions and sizes. This information will also be helpful in informing the planning of a desired Marine Protected Area within the Belcher Islands and Sleeper Islands Archipelago. While performing these surveys we will also be collecting opportunistic data on polar bear predation of common eider nests and any signs of outbreaks due to avian cholera. Finally, we will examine aspects of genetic diversity and contaminant loads in common eider eggs across the region.

Personnel:

Persons: 10

Days: 28

Project Map

List of all project geometries:

ID	Geometry	Location Name
6110	polygon	New project geometry
6111	polygon	New project geometry

Planning Regions:

Qikiqtani

Affected Areas and Land Types

Municipal

Established National or Territorial Park
Settlement Area

Project Land Use and Authorizations

Project Land Use

Scientific Research

Licensing Agencies

CWS: Scientific permit under the Migratory Bird Regulations

GN-DOE: Wildlife Observation Licence

NWB: Approval to Use Water/Deposit Water Without a Licence

NIRB: Screening Decision Report

QIA: Exemption Certificate

Other Licensing Requirements

No data found.

Material Use

Equipment

Type	Quantity	Size	Use
Boats	3	20-25 ft	Transport crew to campsites and colonies and conduct surveys
Generator	2	1000 Watts	Electricity

Fuel Use

Type	Container(s)	Capacity	UOM	Use
Gasoline	10	20	Liters	Fuel for boat motors/Gerry cans and generators
Other	5	4	Liters	White gas; fuel for camp stoves.

Hazardous Material and Chemical Use

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

Water Consumption

Daily Amount (m ³)	Retrieval Method	Retrieval Location
1	Sea water/streams	To be recommended by Inuit Personnel

Waste and Impacts

Environmental Impacts

We attempt to minimize the impact our project has on the land, water, and wildlife. We store food and gear appropriately to avoid contaminating the surrounding areas. We transport all garbage and solid waste back to the municipal landfill in Sanikiluaq. We dispose of grey water in sumps that are back-filled to match the contours of the landscape. We have an Emergency Spill Kit and Spill Contingency Plan, including a Nunavut Spill Report Form and MSDS for the fuels used at each camp. Fuel is stored in a sump to localize any potential spills. We will camp at established campsites recommended by our local guides to reduce our impacts on the land. We

will not be camping for long at each campsite, so the effects of long-term site occupancy will be avoided.

Waste Management

Waste Type	Quantity Generated	Treatment Method	Disposal Method
Greywater	<0.1 cubic meter per day	Sump located > 100m away from water source and buried before leaving camp	Sump
Non-Combustible wastes	<1 cubic meter	Transported to Sanikiluaq	Disposed of at municipal dump
Sewage (human waste)	<0.05 cubic meters per day	Sump located > 100m away from water source and buried before leaving camp	Sump