

For office use only	
Date Received	Permit No.

## CANADIAN WILDLIFE SERVICE PERMIT APPLICATION

### NOTE TO RESEARCHERS

Without exception, all research within the NWT and Nunavut must be licensed. This includes work in indigenous knowledge as well as in physical, social, and biological sciences. For information on licensing for your project within the NWT, please refer to the Aurora Research Institute's Web site at <http://www.nwtresearch.com>. For Nunavut, visit the Nunavut Research Institute Web site at <http://www.nri.nu.ca>.

**For Scientific Permits:** Prior to issuing a Scientific Permit to Take, Salvage or Disturb Migratory Birds, CWS requires a copy of either an NWT or Nunavut Wildlife Research Permit; or an Aurora Research Permit/Nunavut Research Permit. Include a copy of either permit with this application or forward a copy to CWS upon receipt of it, or your CWS permit will not be issued.

**Nunavut:** In Nunavut your project will have to undergo screening by the Nunavut Impact Review Board. One of their requirements is that you obtain a conformity report from the Nunavut Planning Commission. Please ensure that you have done so.

### To be completed by all applicants:

<input checked="" type="checkbox"/> New application <input type="checkbox"/> Amendment/extension of existing permit Existing permit no.	<b>Type of permit applied for:</b> <input checked="" type="checkbox"/> Bird Sanctuary permit <input type="checkbox"/> National Wildlife Area entry permit <input type="checkbox"/> Scientific permit to take salvage or disturb migratory birds
<b>Territory:</b> <input type="checkbox"/> NWT <input checked="" type="checkbox"/> Nunavut	<b>Period of permit requested:</b> <input checked="" type="checkbox"/> 1 year <input type="checkbox"/> 2 year <input type="checkbox"/> 3 year
<b>Anticipated project start date:</b> 2015-05-04 <b>Anticipated project end date:</b> 2015-08-31	
<b>Please indicate by checkbox if your project is receiving federal government funding:</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> Polar Continental Shelf Project <input type="checkbox"/> Yes/Other (please list)	<b>Please indicate by checkbox if your project requires approvals/permits by any of the following regulators:</b> <input type="checkbox"/> DFO <input type="checkbox"/> NRCAN <input type="checkbox"/> INAC <input type="checkbox"/> Parks Canada <input type="checkbox"/> NWT or Nunavut Water Board <input type="checkbox"/> NEB

**1. CONTACT INFORMATION**

<b>Applicant name and mailing address</b> Dany Dumont, Professor UQAR/ISMER 310 allée des Ursulines C.P. 3300 Rimouski, QC, G5L 3A1 Canada		<b>Fax</b> 1-418-724-1842
		<b>Phone</b> 1-418-723-1986 #1570
<b>Field supervisor</b> Kristin Westdal 515-70 Arthur Street Winnipeg, MB, R3B 1G7	<b>E-mail address</b> dany_dumont@uqar.ca kwestdal@oceansnorth.ca	<b>Phone</b> 1-204-296-9308

Total number of personnel covered by application:

4

**2. SUMMARY PROJECT INFORMATION****Project title:**

Monitoring the ice edge break-up in Eclipse Sound

**Project objective: (concise statement of purpose and goals)**

The purpose of this project is to monitor and characterize the landfast ice sheet covering Eclipse Sound before, during and after its break-up in late spring and early summer

**Project description: (non-technical summary; 300 words or less; describe purpose, nature and occasion of all activities; include the anticipated intensity of vehicle use)**

The purpose of this project is to monitor and characterize the landfast ice sheet covering Eclipse Sound before, during and after its break-up in late spring and early summer, by way of two autonomous time-lapse camera systems deployed on high lands on both sides of the eastern end of Eclipse Sound. Each system consists in an insulated box containing the camera and hardware powered by one battery and one solar panel. There are two phases to the fieldwork. The installation of the camera will be done sometime between May 4th and 15th 2015 by Kristin Westdal, Paul Nicot and two community members from Pond Inlet (to be determined) by snowmobiles, and the recovery of the camera will be done sometime in August by community members from Pond Inlet (to be determined). Images will be stored on locally and retrieved at the end of the season. Images will be processed by Dumont's research team at ISMER, used to characterize the ice edge break-up and to validate RADARSAT satellite images acquired during the project. Results will be shared with project partners and the community through the Ocean's North website. Research results and data will be shared with the community, the Nunavut Research Institute and Oceans North Canada, and may result in a publication in a scientific journal.

The proposed methodology is currently used to study ice dynamics in the St. Lawrence Estuary, Québec, Canada. Examples of time-lapse videos can be viewed here:  
<https://vimeo.com/106835989>.

**NOTE:** A full project description should accompany this application.

**Activities related to project proposal: (check as many as apply)**

<input checked="" type="checkbox"/> Scientific research	<input type="checkbox"/> Ground surveys	<input type="checkbox"/> Storage of fuel
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<input type="checkbox"/> Tourism, non-commercial	<input type="checkbox"/> Aerial surveys	<input type="checkbox"/> Camp construction
<input type="checkbox"/> Tourism, commercial	<input type="checkbox"/> Winter road	<input type="checkbox"/> Use of firearms
<input checked="" type="checkbox"/> Use of boats	<input type="checkbox"/> Commercial harvest	<input type="checkbox"/> Use of explosives
<input type="checkbox"/> Use of aircraft	<input type="checkbox"/> Cruise ship	<input type="checkbox"/> Seismic exploration
<input checked="" type="checkbox"/> Use of off-road vehicles	<input type="checkbox"/> Drilling activities	<input type="checkbox"/> Mining activities
<input type="checkbox"/> Other (please specify):		

**Are you applying to kill, salvage or otherwise interfere with migratory birds (e.g. take blood, transmitter implant, etc.)?**

☐ Yes ☒ No

If yes, provide details, including specie(s) of bird, number and method. Indicate whether the approval of an animal care committee has been received and include the name of the committee.

**Do you plan to carry firearms?**

☐ Yes ☒ No

If yes, please describe number, type and purpose of firearms.

### 3. PROJECT LOCATION

**Geographic place names and coordinates: (be as specific as possible; enter multiple coordinates for activities occurring over large area(s))**

Location	Geographic Coordinates
Erick Harbour (North Baffin)	72°34.3'N / 75°51.2'W
Cape Graham Moorew (Bylot)	72°50.5'N / 76°15.3'W

**NOTE:** A map document delineating activity centres and travel corridors, etc. is required and should accompany this application. Please submit shapefiles if available.

Status of land upon which project will occur:



- ☐ Federal crown
- ☒ Inuit-owned or other private
- ☐ Territorial (commissioner's land)

#### 4. OPERATIONAL AND ENVIRONMENTAL CONSIDERATIONS

**Provide a summary of potential environmental impacts and proposed restoration plans and activities: (describe the effects of the proposed activities on land, water, flora, fauna; attach separate pages as necessary)**

No environmental impact expected.

**List of equipment and fuel to be used: (include aircraft, vehicles, boats, generators, large tent structures, various types of fuel, etc; indicate proposed containment strategies for all fuels; attach separate pages as necessary)**

Equipment / Fuel	Size / Amount	Proposed use / Containment
Camera system (2)	approx. 50cm x 50cm x 70cm when fully deployed	Taking pictures autonomously

**NOTE:** Please submit a copy of a spill contingency plan, if available, with this application.

**Waste disposal: (describe any wastes that may be produced, e.g. garbage, grey water, sewage, hazardous waste, and proposed disposal methods; attach separate pages as necessary)**

Type of waste	Approx. amount produced	Proposed disposal method



**PLEASE NOTE:**

- You should consider species at risk legally listed on the Species at Risk Act (i.e. on Schedule 1) and those under consideration for legal listing, such as those designated by the Committee on the Status of Endangered Wildlife in Canada (COSEWIC).
- Refer to species status reports and other information on the Species at Risk Registry at [www.sararegistry.gc.ca](http://www.sararegistry.gc.ca) for information on specific species.

**5. POTENTIAL ADVERSE EFFECTS TO SPECIES AT RISK**

**Identify Species at Risk found within your proposed project area.**

**List any potential adverse effects that your project may have on the species, its habitat and/or its residence. All direct, indirect and cumulative effects should be considered.**

No adverse effects on species /habitat / residence.

**If potential adverse effects are identified, list mitigation to avoid or lessen those effects.**

**List monitoring measures to determine the effectiveness of mitigation and/or identify where further mitigation is required.**



## 6. CONSULTATION

**List local community representatives who have been contacted about your proposed activities: (include community groups, local businesses, schools, etc.; state how they are participating in your activity, if at all (e.g. providing advice, supplying goods, hired to assist you, etc.))**

1. Representative name: to be determined

Name of group represented:

Address / phone / fax:

How contacted and date:

Participating? ☐ Yes ☐ No

If yes, how?

2. Representative name: to be determined

Name of group represented:

Address / phone / fax:

How contacted and date:

Participating? ☐ Yes ☐ No

If yes, how?

3. Representative name:

Name of group represented:

Address / phone / fax:

How contacted and date:

Participating? ☐ Yes ☐ No

If yes, how?



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<b>Applicant</b>	Dany DUMONT
<i>(Print Full Name)</i>	
<b>Signature</b>	
	<b>Date</b> 26.03.2015

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