



**PARKS CANADA AGENCY
RESEARCH AND COLLECTION PERMIT
(NOT TRANSFERABLE)**

PERMIT No.: SIR-2019-32039

START DATE: 2019-06-01

EXPIRY DATE 2021-07-31

Project Title: Arctic Shorebird Monitoring Program

Principal Investigator Name: Jennie Rausch

Address: Canadian Wildlife Service Environment and Climate Change Canada, 5019
52nd St, 4th Floor PO 2310 Yellowknife, NT X1A 2P7

Telephone: 867-669-4709

Email: jennie.rausch@canada.ca

Affiliation: Canadian Wildlife Service, Environment and Climate Change Canada

Is hereby authorized to conduct the research project entitled "Arctic Shorebird Monitoring Program", Research and Collection Permit Application Number 38563, In Sirmilik National Park of Canada, subject to the terms and conditions set out below and/or attached to and forming part of this Research and Collection Permit.

Members of Research Team:

1. Joël Bêty, Tel: 1-800-511-3382, ext. 1701, E-mail: joel_bety@uqar.ca
2. Madeleine-Zoé Corbeil-Robitaille
3. Louis Moisan
4. Éliane Duchesne
5. Andréanne Beardsell
6. Dominique Fauteux

1-5 : Université du Québec à Rimouski, Campus de Rimouski, 300, allée des Ursulines, C.P. 3300, succ. A, Rimouski, QC G5L 3A1

6 : Canadian Museum of Nature, 240 McLeod Street, Ottawa, ON K1R 5P9,
dfauteux@nature.ca

Updated research team information will be submitted annually by the Principal Investigator.



Issuing Authorities and Terms and Conditions:

Permit issued pursuant to:

National Parks General Regulations: Sections 7(5),11(1)

National Parks Wildlife Regulations: Section 15(1)(a)

Migratory Bird Sanctuary Regulations: Sections 9, 10

Project proposals within National Parks, National Marine Conservation Areas and National Historic Sites administered by Parks Canada in Nunavut are subject to the Nunavut Land Claims Agreement (NLCA) and therefore screening by the Nunavut Impact Review Board (NIRB) in accordance with Section 8.2.11. However, Schedule 12-1 of the NLCA exempts certain types of project proposals from screening by the NIRB. Under an agreement through 12-1(7), the NIRB and Parks Canada have agreed to exempt Research and Collection Permits for the National Parks from screening by the NIRB.

National General Conditions:

Failure to comply with applicable Heritage Area regulations or the conditions of the permit may constitute grounds to cancel or suspend the permit, refuse to issue future permits, and may be considered as grounds for prosecution under the applicable Act(s) or Regulation(s).

All permit holders must be in possession of a valid permit before the fieldwork commences and at other periods as stated on the permit.

Permits are not transferable and each member of the field work team must have a copy of the valid permit in their possession.

The permit is valid only for the geographic location, the time period, the activities, and under the terms and conditions described on the permit, unless amended and revalidated by the Superintendent.

Restrictions:

The Superintendent may suspend, cancel, or restrict the scope of the permit.

The permit shall cease to be valid if the fieldwork is not started within six months of the date of issue.

Other Acts and Regulations:

The Principal Investigator must abide by applicable regulations and all other federal, provincial, territorial or municipal regulations applying to the Heritage Area.

If requested by the Superintendent, an authorized Heritage Area staff member, or police constable, the Principal Investigator or any team member will identify themselves and show the permit.

Principal Investigator Responsibilities :

A site, or site component(s) that has been excavated or disturbed shall be restored or conserved by the Principal Investigator to the satisfaction of the Superintendent.

The Principal Investigator must advise the Research Coordinator of any adjustments in work location, research plan and methodology, implementation schedule, or main personnel, etc., during the course of the research.

Unless otherwise negotiated, Researchers working in a Heritage Area are required, as a condition of their permit, to submit:



- a) A report of progress sixty (60) days following the completion of the field season, unless otherwise agreed with the Research Coordinator;
- b) A final report, one (1) electronic copy and three (3) hard copies, no later than eight (8) months following the completion of the field season, unless otherwise agreed with the Research Coordinator;
- c) Submission of an online Investigator's Annual Report (IAR) within one year of signing the permit. In the case of a multi-year permits, the principal investigator will submit an IAR for each year of the research.

The reporting requirements above do not replace any reporting requirements set out in any contract between Parks Canada and the Principal Investigator.

The Principal Investigator will be responsible for all members of their party. All field assistants must observe any general or specific conditions of the permit.

The Principal Investigator shall at all times indemnify and save harmless the Crown from and against all claims, demands, loss, costs, damages, actions, suits, or other proceedings, by whosoever made, sustained, brought or prosecuted, in any manner based upon, occasioned by, or attributable to, anything done or omitted by the Principal Investigator or the project personnel in the fulfillment or purported fulfillment of any of the conditions of the Permit.

General Conditions Governing Natural Science Research:

Any natural objects collected under authority of this permit remain the property of the Crown (Canada) and are considered on loan to the permit holder. Final disposition of natural objects must be as shown in the project proposal unless amended by the Superintendent. Export of objects or specimens require approval by the Superintendent and is subject to the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), the Cultural Property Export and Import Act and the Export and Import Permits Act. Intention to export specimens must be indicated in the project proposal.

Only the natural objects or categories of natural objects indicated on the permit may be collected.

A detailed inventory of material collected will be provided to the Heritage Area prior to its removal by the researcher.

When fossils or evidence of previous human occupation are found, they should be reported to the Superintendent and must be left undisturbed until inspected by a Parks Canada palaeontologist or archaeologist.

Special Conditions:

The following conditions apply to Research & Collection Permits issued for Sirmilik National Park and are in addition to those outlined above.

Permit holder(s) that have not participated in the University of Laval orientation to Sirmilik National Park are required to check in at the Pond Inlet Parks Office prior to the commencement of their field activities. Permit Holder(s) will contact the Park office (867-899-8092) at least one week prior to their arrival to schedule orientation.

Radio confirmation of arrival and departure from field research camp to the Pond Inlet Parks Office.

For air access, Permit holder(s) will confirm aircraft operators have an Aircraft Access Permit authorized by the Superintendent. Landings identified for this permit are authorized by the



Superintendent as per Section 15(6) of the National Parks General Regulations subject to the following provisions:

- A list of all aircraft use is provided to the Superintendent and Park Manager prior to commencement of fieldwork. This list must include: dates, location, and type of aircraft for all landings and take offs;
- Conflict with wildlife, wildlife habitat and park visitor use is minimized;
- A minimum flying height of 650 meters (2100 feet) is adhered to over Bylot Island and a minimum flying height of 610 meters (2000 feet) is adhered to over other areas of the park, except during landing, takeoff or as part of the approved research methods. For areas with known concentrations of migratory birds (e.g., bird colonies, moulting areas) keep a lateral distance of at least 1.5 kilometres. If this is not possible, maintain a minimum flight altitude of 1,100 metres (3,500 feet) over these areas .

The use of UAVs or drones is not permitted.

A list of all fuel caches associated with research activities must be provided to the Superintendent and Park Manager prior to commencement of field work and must include: location, amount, and the type of fuel at each cache.

- All fuel caches and empty drums are to be clearly and indelibly marked with the project leader's name, year that fuel was cached, and Polar Continental Shelf Project (PCSP) number if applicable.
- All fuel drums are to be removed from the park at the end of the field season unless otherwise agreed upon.

All garbage is to be removed from the park in accordance with the National Park Regulations.

The project leader will ensure that all party members understand and comply with the Canada National Parks Act and Regulations.

Solid Human waste: in base camp situations, solid human waste is to be collected in sealable metal or plastic containers. The project leader is responsible for ensuring that all containers of solid human waste must be removed to the sewage lagoon of Pond Inlet, Nunavut. The cost of this disposal is the project leader's responsibility. In mobile camp situations, solid human waste may stay on land but toilet paper, feminine napkins and tampons must be removed to sewage lagoon of Pond Inlet, Nunavut. The cost of this disposal is the project leader's responsibility.

Nunavut Agreement Inuit employed by the research project are not permitted to use research or Parks Canada chartered aircraft and vessels to transport any materials gathered, fished or hunted during their leisure hours while in the park.

The project leader is responsible to ensure that all party members read available polar bear safety information.

All polar bear observations and encounters must be reported to the Park Manager as soon as possible.

The permittee shall not remove, disturb or displace any archaeological artifact or site.

Should an archaeological site or specimen be encountered or disturbed by any land use activity, the permittee shall immediately contact the Parks Canada (Nunavut Field Unit) Cultural Resources Management Advisor at (867) 975-4673.



The permittee shall immediately cease any activity that disturbs an archaeological site encountered during the course of a land use operation, until permitted to proceed with the authorization of Parks Canada.

A field season summary report must be submitted to Parks Canada by 30th October each year that the permit is valid (email: pc.rechercheparcsnunavut-nunavutparksresearch.pc@canada.ca) and to the following community groups: Hamlet Councils of Pond Inlet and Arctic Bay, Mittimatalik HTO, & Ikajurtit HTO.

The project leader or designate must present the research project and results to Parks Canada staff in Iqaluit or at the Pond Inlet Park office at a mutually agreed upon time.

The project leader or designate must present the research project and results to the communities of Pond Inlet or Arctic Bay at a mutually agreed upon time.

Copies of all reports, scientific papers, and posters must be provided to the Parks Canada offices in Iqaluit and Pond Inlet.

Data files will be provided to Parks Canada upon request.

The Joint Park Management Committee (JPMC) for Sirmilik National Park will review annually the terms and conditions of this permit. The permit may be revoked if terms and conditions are not adhered to.

The following are the approved collections & procedures that can be made in Sirmilik National Park (For details on methodology refer to Application #38563. Exceptions or amendments to the application methodology are identified here).

Field Dates: Total of approximately 5 days opportunistically during the period of June 1-July 31 in 2019-2021.

Field work location and access:

- Helicopter access for rapid surveys is permitted to plots identified in permit SIR-2019-24578 that were not surveyed in 2017-2018.
- The team will be based at Goose Camp 1 and 2 and field camps that are used by the field team under permit SIR-2018-28098 and SIR-2019-31977.

Objectives:

- Generate population estimates for all arctic breeding shorebirds.
- Produce maps showing shorebird distribution and abundance across the North American arctic.
- Identify highest-quality habitats for each shorebird species.
- Provide shorebird densities and breeding ecology information at each survey site.
- Assist local managers in meeting their conservation goals.

To meet these objectives the following field work is permitted:

1. Conduct 'Rapid' Surveys at a random sample of plots: two observers walking systematically over a 12 hectare plot and recording all birds seen and any nests encountered. The research team is permitted to conduct the rapid survey in two areas:
 - i. the Oliver Sound/Paquet Bay area of the park, at 5 of the 6 sites (2 plots each) randomly selected for the survey originally planned for 2017 under permit SIR-2017-24777 (plots surveyed in 2017 and 2018 will not be re-surveyed in 2019-2021).
 - ii. the remaining site on the East of Bylot Island.



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2. The research team will inform the HTO of the community of Pond Inlet of the proposed survey dates in advance of starting the field work (Plots within the Oliver Sound/Paquet Bay area of the park are within Areas of Special Importance to Inuit for harvesting activities).
 3. Opportunistic helicopter aerial surveys between rapid survey plots: flown at a speed of 80-90 km/h at a height of about 30 m, recording all the birds observed within a particular distance from the helicopter. Aerial surveys will be ended if large mammals are encountered. Aircraft will increase elevation to minimize disturbance. The presence of large mammals and small mammals while conducting aerial surveys will be recorded and reported to Parks Canada.
 4. Handling birds is not permitted.



Principal Investigator Signature

I, Jennie Rausch, the Project Principal Investigator, accept all the stated Research and Collection Permit terms and conditions.

J. Rausch
Signature

2019/05/09
Date (yyyy/mm/dd)

Approval:

Permit issued/approved by:

Andrew Maher
Superintendent Name (Please Print)
Nunavut Field Unit

[Signature]
Superintendent Signature

2019/05/10
Date (yyyy/mm/dd)

Lisa Pirie-Dominix
Canadian Wildlife Service Name
(Please Print)

[Signature]
Canadian Wildlife Service Signature

2019/05/14
Date (yyyy/mm/dd)

Parks Canada Contact

Maryse Mahy
Nunavut Field Unit
Inuksugait Plaza, 1104B
PO Box 278
Iqaluit, Nunavut, X0A 0H0
(867) 975-4763
Maryse.Mahy@pc.gc.ca

