



December 31, 2020

Jody Pellissey, Executive Director
Wek'èezhii Renewable Resources Board
102A 4504 49th Avenue
Yellowknife, NT, X1A 1A4

RE: *Wildlife Research Permit Application - Winter Road Landbird Monitoring Program*

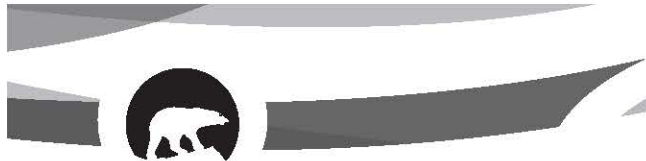
Dear Ms. Pellissey,

Please find enclosed an application for an avian monitoring project entitled: *Winter Road Landbird Monitoring Program*. For the last five years, Environment and Climate Change Canada (ECCC) has been collecting acoustic data using Automated Recording Units (ARUs) along the main winter roads of the Northwest Territories. Deployed in the winter, the units are programmed to record during the period when migratory birds return to the region (April-September). In February 2021, we plan to conduct the program along the Tibbitt to Contwoyto winter road with assistance from Yellowknives Dene and North Slave Métis community partners. This project would allow ECCC to monitor bird populations and collect data in areas of particular interest to these communities, but are expensive to access during the breeding season. Specifically, ECCC would be providing training this winter with the intention that the retrieval in 2022 and all subsequent fieldwork would be conducted solely by our indigenous partners. Ultimately, ECCC hopes that this program could become a community-based monitoring program. Data from this project would help address an important knowledge gap regarding our understanding of the status of bird populations in the region. We plan to conduct this program at least every four years along the Tibbitt winter road, with a subset of the sampling locations being monitored each year.

Attached you will find our wildlife research permit application and a more detailed summary of the proposed project and preliminary results from the last four years of the project. After reviewing our application, please email (samuel.hache@canada.ca) the recommendation form provided in this package. Please do not hesitate to contact me with any questions, comments, or concerns that you may have. Thank you for your consideration of our application.

Sincerely,

Samuel Haché, PhD
Landbird Biologist
Environment and Climate Change Canada, Government of Canada
P.O. Box 2310, 5019 – 52nd St. 4th Floor, Yellowknife, NT X1A 2P7
Telephone (867) 669-4734, Email: samuel.hache@canada.ca



WILDLIFE RESEARCH PERMIT APPLICATION FORM

If you are researching, observing, and/or handling wildlife in the Northwest Territories (NWT) you need to have the proper permits and licences. This applies to everyone, including government agencies, and is intended to avoid harm to NWT natural, social and cultural environments.

Your application must include:

- ✓ Cover letter, which includes:
 - Project title
 - One-line summary
 - Wildlife species that will be studied, observed or manipulated
 - Location of study area
 - Signature and contact information
- ✓ Completed permit application
- ✓ Signed recommendation form(s)
- ✓ Supporting notes and correspondence detailing consultation process

For further instructions and how to submit your application, go to: www.enr.gov.nt.ca. If more space is required, please attach additional pages.

FORMULAIRE DE DEMANDE DE PERMIS DE RECHERCHE SUR LA FAUNE

Si vous faites des recherches sur la faune, de l'observation ou de la manipulation d'animaux sauvages aux Territoires du Nord-Ouest (TNO), vous devez détenir les licences et les permis appropriés. Cette mesure s'applique à tout le monde, y compris aux organismes gouvernementaux, et vise à éviter les dommages qui pourraient être causés aux milieux naturels, sociaux et culturels des TNO.

Votre demande doit comprendre :

- ✓ Une lettre de présentation indiquant :
 - Le titre du projet;
 - Un résumé d'une ligne;
 - Les espèces sauvages qui seront étudiées, observées ou manipulées;
 - L'emplacement de la zone d'étude;
 - Votre signature et vos coordonnées.
- ✓ La demande de permis dûment remplie.
- ✓ Le(s) formulaire(s) de recommandation signé(s).
- ✓ Pièces justificatives et correspondance décrivant en détail le processus de consultation.

Pour obtenir de plus amples renseignements sur la façon de présenter votre demande, accédez au site Web suivant : www.enr.gov.nt.ca/en/français. Si vous avez besoin de plus d'espace, veuillez ajouter les pages nécessaires.

Check One / Cochez une seule réponse : ☐ New Project / Nouveau projet ☐ Ongoing Project / Projet en cours

Address: (Include name, phone number and e-mail)

Adresse : (Inclure votre nom, numéro de téléphone et l'adresse courriel)

Samuel Haché, Landbird Biologist (Lead), Canadian Wildlife Service, Environment and Climate Change Canada
P.O. Box 2310, Yellowknife, NT, X1A 2P7
Phone: (867) 669-4771; Fax: (867) 873-8185; e-mail: samuel.hache@canada.ca

Sponsor(s): (Organizations supporting your work)

Commanditaire(s) : (organismes qui soutiennent votre travail)

Canadian Wildlife Service, Environment and Climate Change Canada

Funding Source(s): (Organizations providing financial help to work)

Source(s) de financement : (organismes qui vous apportent une aide financière)

Canadian Wildlife Service, Environment and Climate Change Canada

Additional Licences Required:

Licences supplémentaires requises :

N/A

Project Title: (10 words or less)

Titre du projet : (10 mots ou moins)

Winter Road Long-term Landbird Monitoring Program

Rationale: (100 words or less) Explication : (100 mots ou moins) Environment and Climate Change Canada (ECCC) has an obligation under the Migratory Birds Act (1994) to monitor and conserve migratory bird populations including some Species at Risk. Unfortunately, current monitoring is inadequate to determine the status and changes in population size (i.e. population trend) of many boreal birds breeding in the Northwest Territories because a lack of infrastructure makes accessing most of the region both costly and logistically challenging. We are proposing to continue a monitoring program that started in 2015 using Automated Recording Units (ARUs). The goal is to monitor landbird populations along the main winter roads across NWT.
Time Period: Feb 2021 and March 2022 Durée :
Location and Nearest Community: (Provide latitude and longitude if applicable) Emplacement et collectivité la plus près : (indiquer la latitude et la longitude, le cas échéant) Units will be deployed along the Tibbitt to Contwoyto winter road. Yellowknife, Dettah, and N'dilo are the nearest communities.
Species Studied: Landbirds (e.g. vultures, hawks, grouse, doves, cuckoos, owls, nighthawks, swifts, hummingbirds, kingfishers, woodpeckers and Espèces étudiées : passerines).
Project Leader: Samuel Haché, Canadian Wildlife Service, Environment and Climate Change Canada Chef de projet :
Project Personnel: (Include people who would actually do the work in the NWT, volunteers included) Participants au projet : (inscrire les personnes qui accompliraient le travail aux TNO, y compris les bénévoles) - Samuel Haché, Canadian Wildlife Service, Environment and Climate Change Canada - Christopher Moser-Purdy, Canadian Wildlife Service, Environment and Climate Change Canada - Jocelyn Gregoire, Canadian Wildlife Service, Environment and Climate Change Canada - TBD, Canadian Wildlife Service, Environment and Climate Change Canada - 4 members from Yellowknives Dene First Nation - 4 members from North Slave Métis Alliance
Objectives: (Please use point form) Objectifs : (veuillez utiliser le style télégraphique) Short-term: 1) Deploy 130 ARUs along the Tibbitt to Contwoyto winter road in collaboration with indigenous partners; 2) Document habitat-specific species density and abundance along the main winter roads in NWT; 3) Update the northern limit of the breeding range of most landbirds; 3) Increase geographic coverage to support national habitat modelling initiatives. Long-term: 1) monitor population status of landbirds in the northern boreal portion of NWT by estimating population trends, and quantifying effects of climate change and other threats that birds are facing.
Methods: (100 words or less) (Cite references, if applicable) Méthodes : (100 mots ou moins) (veuillez citer vos références, le cas échéant) In 2021, we are proposing to deploy 130 ARUs along the Tibbitt to Contwoyto winter road using a spatially balanced design (Generalized Random Tesselation Stratified sampling design or GRTS). Each ARU will be programmed to “sleep” until April when it will “wake” and record acoustic information including bird songs every day throughout the breeding season (April-July 2021). Each day, a unit will record all birds and other animals making sounds for approximately 100 minutes (10 × 10-min recordings at predetermined time for each day). The data from the units will be retrieved the following winter (2022).
Current Consultation: (List all contacts you have already consulted; append all recommendation forms to submission) Consultation actuelle : (veuillez dresser la liste de toutes les personnes que vous avez déjà consultées et annexer à votre demande tous les formulaires de recommandation) We will be submitting a detailed proposal and summary of preliminary results to the Tlicho Government, Wek'eezhii Renewable Resources Board, Yellowknives Dene First Nation, and the North Slave Métis Alliance. Recommendation forms will be submitted to the GNWT upon receipt. We have been planning this project in collaboration with the Yellowknives Dene First Nation and North Slave Métis Alliance. We have also worked to set up contracts with both groups to secure funding required to deploy units in collaboration with indigenous guardians. We will provide training in 2021 and the goal is to have our indigenous partners complete the retrieval in 2022 independently and, ultimately, help establish a community-based monitoring program.

Future Community Consultation: *(List anticipated consultation activities, e.g. posters, presentations, meetings, letters)*
 Consultations de la collectivité à venir : *(veuillez dresser la liste de toutes les activités de consultation prévues, c'est-à-dire les affiches, les présentations, les rencontres, les lettres, etc.)*

Further consultations (e.g. emails, conference calls, and/or in-person meetings) with the different community representatives will take place if there are pending issues that need to be addressed prior to the community approval of the proposed project. Progress reports will be provided after each field season to show results and gather feedback from each community. This work is in collaboration with both Yellowknives Dene First Nation and North Slave Métis Alliance. Ultimately, the goal is that this monitoring program becomes a community-based monitoring program.

Opportunities for Local Participation:
 Possibilités de participation locale :

We are in the process of establishing a contract to hire 4 guardians from both Yellowknives Dene First Nation and North Slave Métis Alliance to assist with deployment of the units in 2021. Both indigenous groups have been involved in the planning of this year's fieldwork. We will provide training in 2021 and the goal is to have our partners complete the retrieval independently.

Management or Recovery Plans: *(If your project is part of accepted wildlife management plans or recovery plans, list them as appropriate)*
 Plans de gestion ou de rétablissement : *(si votre projet fait partie de plans de gestion de la faune approuvés ou de plans de rétablissement, veuillez en dresser la liste, s'il y a lieu)*

Follow-up Report / Rapport de suivi

Check One / Cochez une seule réponse : ☐ Previously Submitted / Envoyé précédemment ☒ Attached / En pièce jointe ☐ Not Applicable / Sans objet

Samuel Hache Name / Nom	Samuel Hache Signature	Digitally signed by: Samuel Hache DN: CN = Samuel Hache email = samuel.hache@canada.ca C = AD O = Environment and Climate Change Canada OU = Canadian Wildlife Service Date: 2020.12.31 12:41:54 -07'00'	20-12-31 Date (YY/MM/DD) / Date (AA-MM-JJ)
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All personal information contained on this form is collected under the authority of the <i>Wildlife Licenses and Permits</i> regulations Section 11(3), and is used for the purposes of assessing and processing applications for Wildlife Research Permits. Any questions relating to the collection and use of personal information on this form may be directed to the Information Coordinator, Wildlife Division at 867-767-9237 ext. 53219.	Tous les renseignements personnels contenus dans le présent formulaire sont recueillis conformément au paragraphe 11(3) du <i>Règlement sur les permis et licences relatifs à la faune</i>, et sont utilisés aux fins d'évaluation de la gestion des interventions relatives à la faune effectuées par des chercheurs du Comité de protection de la faune des TNO. Pour toute question au sujet de la cueillette et de l'utilisation de ces renseignements, communiquez avec le coordonnateur à l'information de la Division de la faune au 867-767-9237, poste 53219.
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