



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)

Dean Cluff, North Slave Region, Environment and Natural Resources, P.O. Box 2668, Yellowknife, NT X1A 2P9

Office: (867) 767-9238, ext. 53254; e-mail: dean_cluff@gov.nt.ca

Sponsor(s): (Organizations supporting your work)

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

GNWT – Environment and Natural Resources

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

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

GNWT – Environment and Natural Resources

Additional Licences Required:

Licences supplémentaires requises :

none

Project Title: (10 words or less)

Titre du projet : (10 mots ou moins)

Moose Abundance in the North Slave Region

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| <p>Rationale: (100 words or less) Explication : (100 mots ou moins)</p> <p>Moose are a highly sought after country food species in the Northwest Territories, second only to caribou, for all NWT hunters. The significant decline of caribou and bison in the NWT, and the harvest restrictions that followed for these species, have increased concern that hunting pressure has shifted to moose. This has led to a need to demonstrate sustainability of moose harvests in the region. Moose surveys are conducted periodically in the North Slave (2004, 2007, 2012, 2016), and an update is needed. The Tli Cho All-Season Road (TASR) from Highway 3 to Whati is currently under construction and would increase access and opportunities for harvesting moose. A commitment of the TASR project requires moose surveys to be conducted during and after road construction.</p> |
| <p>Time Period: Durée : Late November/early December 2020 and March 2021; possibly April 2021, or March 2022, for the Lutsel K'e area</p> |
| <p>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)</p> <p>Dettah, N'Dilo, Yellowknife, Lutsel k'e, and the Tli Cho communities Behchoko, Whati, Gameti, and Wekweeti</p> |
| <p>Species Studied: Espèces étudiées : Moose (<i>Alces alces</i>)</p> |
| <p>Project Leader: Chef de projet : Dean Cluff</p> |
| <p>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)</p> <p>Stefan Goodman, James Hodson, community participants</p> |
| <p>Objectives: (Please use point form) Objectifs : (veuillez utiliser le style télégraphique)</p> <ul style="list-style-type: none"> • Estimate the bull:cow and calf:cow ratios for population monitoring. • Estimate the number and density of moose in the North Slave Region. |
| <p>Methods: (100 words or less) (Cite references, if applicable) Méthodes : (100 mots ou moins) (veuillez citer vos références, le cas échéant)</p> <p>The survey for abundance will be flown with two small aircraft simultaneously, at 120-185m above ground over a survey area of about 60,000 km² using a distance-based survey design. Sightings of animals will be recorded by GPS (Global Positioning System) waypoints along the transect line at first discovery and at the actual location. To do this, the plane will break away from the transect line to obtain a GPS waypoint of the actual sighting location. The plane would encircle the individual or group to count the number of animals present and take a picture. The aircraft will then return directly to the transect and resume flying the survey line. Transects would be spaced either 4 or 8 km apart. A 4-km transect spacing is expected only in the TASR area, to improve precision of an abundance estimate for moose in that area. Data analysis will be done with program Distance or the Distance package within R.</p> <p>Previous moose surveys have occurred in November because the sightability of moose is good (leaves off trees, snow on the ground) and to take advantage of bulls still having their antlers, which allows reliable distinction from cows. However, weather in November can be problematic for flying and seems to be getting worse. Weather seriously impeded the 2016 moose survey where the lake effect is encountered. Consequently, only the sex ratio component of the survey will be done in November/December and the abundance component will be conducted in March. Cold, clear long days will allow full-day flying while still having good visibility for detecting moose. It is uncertain if the Lutsel K'e area can be flown this fiscal year. If not, then that survey portion could be flown in April 2021 or the following March (2022).</p> |
| <p>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)</p> <p>The 4-5 year frequency of moose surveys in the North Slave Region has been announced at various consultation meetings in at the North Slave Region. Consultation with Indigenous groups in the North Slave Region continues with this 2020-21 wildlife research permit application. Community representatives will also participate as observers in the survey.</p> |

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.)*

We will summarize the results of the 2020-21 survey results in a poster for distribution to the communities and public. Moose survey results will be presented to the WRRB and the next regional wildlife research and monitoring workshop. The poster and survey reports that follow will be posted on the GNWT-ENR web site. Results will also be reported in the TASR WMMP annual report.

Opportunities for Local Participation:
Possibilités de participation locale :

Yellowknives Dene First Nation (Dettah and N'Dilo), North Slave Metis Alliance, Lutsel K'e First Nation, Tlicho beneficiaries, and resident hunters will participate in this survey as observers. This involvement helps community members understand how population estimates are made for the area.

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

Dean Cluff



2020/Oct/06

Name / Nom

Signature

Date (YY/MM/DD) / Date (AA-MM-JJ)

All personal information contained on this form is collected under the authority of the *Wildlife Licenses and Permits* 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 *Règlement sur les permis et licences relatifs à la faune*, 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.