

UPDATES FEATURED IN THIS ISSUE:



▶ NBCKC WORKING GROUPS & KNOWLEDGE NETWORK ADVANCE KEY WORK

BONUS: THE NBCKC SECRETARIAT GOES TO NACW



▶ CCLM PORTAL – KNOWLEDGE MOBILIZATION STRATEGIES UNDERWAY



▶ IKC RELEASES FOUNDATIONAL RESOURCE "BEYOND CONSERVATION: A TOOLKIT FOR RESPECTFUL COLLABORATION WITH INDIGENOUS PEOPLES"!

○ ISSUE 17 | ○ August 2023

NBCKC

Newsletter

The National Boreal Caribou Knowledge Consortium (NBCKC) is a forum for collaborative knowledge generation, sharing and mobilization to support conservation and recovery of boreal caribou.

Working together to support boreal caribou recovery

In the first part of the year, the NBCKC made waves both within our own network and on a larger global stage. In December 2022, the NBCKC participated at the Conference of the Parties on Biodiversity (COP15), where Canada announced its commitment to halting or reversing biodiversity loss. Several specific goals and targets were identified to help achieve this outcome. This announcement presents an opportunity for the NBCKC; specifically, by supporting efforts to achieve those targets that closely relate to our mandate. For example, target 2 advances restoration work, target 3 concerns protected areas, target 4 advocates for management action, and target 21 aims to ensure that sound decisions are informed by knowledge that is inclusive of Indigenous ways of knowing. You can read more about the goals and targets, [here](#). In the coming months, the NBCKC will be looking for ways to leverage the GBF to enhance caribou conservation and recovery.

Typically, June marks an exciting time for the NBCKC as our members come together, face-to-face, in Ottawa to discuss next steps and set out the priority work for the coming years. However, given that many of our members took time out of their busy schedules to attend the North American Caribou Workshop in May, we decided to postpone the 2023 June meeting. However, the important work underway within our working groups, knowledge circles, knowledge networks, and the CCLM Portal continues.

We are excited to continue the work of the NBCKC and hope you are too! In this newsletter, you will get a sneak peek at some of the exciting work that is underway, hear about upcoming events, and learn about newly released tools and resources.

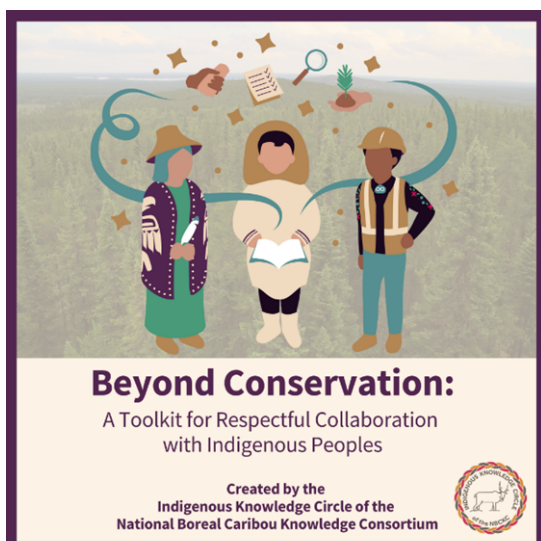
The NBCKC Secretariat

News & Events

LAUNCHED! The NBCKC Indigenous Knowledge Circle has launched their [Beyond Conservation toolkit](#)! Share this great resource with your network today.

September 30 2023: National Day for Truth and Reconciliation. [Click this link to learn more about this important day and how you can commemorate it.](#)

NEW! ARCKP releases the [6th edition](#) and [7th edition](#) of The Exchange newsletter.



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NACW

In May, [members of the NBCKC and the Secretariat met in Anchorage Alaska at the North American Caribou Workshop \(NACW\)](#). After a long period of connecting virtually, we were happy to engage face-to-face and celebrate the work that we have accomplished collectively. Hardcopies of NBCKC resources, such as the [MWG Perspectives report](#), [Monitoring Caribou Factsheets](#), [Boreal Caribou Ecological Model Infographic](#), and IKC's [Guiding Principles for Cross-Cultural Collaboration](#), were hot items at the ECCC info booth. Additionally, the NBCKC Secretariat presented "[More than one way to count caribou in Canada: Showcasing the NBCKC's Boreal Caribou Monitoring Methods Toolkit](#)" and "[Beyond conservation: A toolkit for respectful collaboration with Indigenous Peoples](#)", showcasing the work of our broad network. Feedback from NACW participants will be brought to the MWG and IKC for discussion.



Indigenous Knowledge Circle

In March, the [IKC](#) released its long awaited resource "[Beyond Conservation: A Toolkit for Respectful Collaboration with Indigenous Peoples](#)". This resource provides users with the tools needed to build and maintain trusting relationships and achieve better success in conservation and stewardship work with Indigenous Peoples. In its first month, the toolkit was viewed 7,291 times and attracted 3,125 new users to the [IPCA Knowledge Basket](#) (the host site). We encourage you to [share](#) and apply this work broadly within your networks. If you have questions or would like to learn more about the IKC as it moves on to new projects, please email [Kristin Clark](#).

NBCKC Updates



Management

The [Population Management Working Group \(PMWG\)](#) continues to meet regularly to discuss approaches they are taking in their regions and which are having positive results. The PMWG has two ongoing projects. The first is to develop a report on the internal 'State of caribou management in Canada', which examines caribou population management techniques being tried across Canada and describes what we are learning about the effectiveness of treatments. This group is also creating a project page on the CCLM to centralize the best available information related to boreal caribou management. The next PMWG extension group meeting is October 4th 2023. The next PMWG core group meeting is Jan 10th 2024. To learn more or to get involved in the extension group, contact [Melanie Mullin](#).



Restoration

This spring, the [Habitat Restoration Working Group \(HRWG\)](#) heard presentations about the Alberta Regional Caribou Knowledge Partnership (ARCKP), and lichen restoration in NWT. Participants asked questions and discussed how the information shared could influence our work as a group as well as caribou conservation more specifically. Additionally, the HRWG and PMWG have begun having bi-annual joint meetings to synergistically work on topics related to adaptive management. In March, the two groups took time to workshop the MWG 'methods for data analysis flowchart' tool. Participants discussed how this tool would be used, how to incorporate spatial/temporal scale into the tool, and how it could be expanded to include monitoring related to other aspects of the ecological model (e.g. landscape disturbance, habitat). To learn more about the HRWG or how to get involved, please contact [Katalijn MacAfee](#).



Monitoring

The [Monitoring Working Group \(MWG\)](#) continues to share updates on ongoing monitoring programs and to refine tools for inclusion in the [Boreal Caribou Monitoring Toolkit](#). Currently, the MWG is developing two tools. The first is the 'methods for data analysis' flowchart and report, both of which will help users to align field methods with appropriate analysis techniques to maximize what can be learned from our observations. The second tool is a powerful glossary which defines common terms used in caribou programs, identifies variations in the application of terminology, and gives the terms in both French and English. To learn more about the MWG or to get involved in the development of these tools, please contact [Melanie Mullin](#).



Caribou Health

At the biannual meeting of the [Caribou Health Knowledge Network \(CHKN\)](#) in May, participants were treated to a presentation highlighting the state of knowledge on reproduction-limiting pathogens in caribou by Dr. Xavier Fernandez Aguilar. The talk highlighted a range of pathogens that can directly (e.g. through tissue damage, reproductive loss) and indirectly (e.g. through energy costs and effect on body condition) impact caribou population health and reproduction. Meeting participants discussed important directions for future research, including cumulative impacts of pathogens with changing biotic and abiotic conditions, the importance of better understanding how important each pathogen is, how predictable they are, and the need to incorporate pathogens into population modelling methods. We are welcoming speakers for an autumn CHKN meeting. Please let [Erin Neave](#) know if you would like to present.

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Canadian
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and Land
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The NBCKC is one of the five original collaborating organizations behind the **Canadian Conservation and Land Management Knowledge Portal (CCLM)** - www.cclmportal.ca. Now in its 3rd year since public launch, the CCLM has welcomed several new partners including Canada's Oil Sands Innovation Alliance, Alberta Innovates, Grande Prairie Regional Innovation Network, Wek'eezhii Renewable Resources Board/Northern Caribou Canada, the Alberta Land-Use Knowledge Network, and FUSE Consulting. With this additional support, the CCLM team has launched the second phase of our knowledge mobilization plan which seeks to bring high interest topics to the forefront for our users. This year the CCLM has organized two high interest webinars: "[The Application of Drone and Unoccupied Aerial Vehicle Technology in Conservation Work](#)" and "[Nature-based Climate Solutions: Canada's Carbon Sink Potential](#)". Both webinars reached full registration capacity and continue to engage users in ongoing conversations with presenters/panelists. Additionally, following up on the successful knowledge mobilization resources developed in Phase 1, we produced two new resources: "[A Summary of Beyond Conservation: A Toolkit for Respectful Collaboration with Indigenous Peoples](#)" and an infographic, "[Enhancing Forest Recovery Monitoring with Remote Sensing](#)". [Email us](#) to suggest topics you'd like to see featured and stay tuned to the [CCLM Portal](#) to catch their release!

ENHANCING FOREST RECOVERY MONITORING WITH REMOTE SENSING

Accurately and effectively monitoring forest recovery after a disturbance - and over a large area - is challenging, especially in areas that are difficult to access. Remote sensing is an effective tool that can be leveraged to map and monitor forest recovery dynamics, supplementing other monitoring approaches, such as field plots.

The CCLM is always adding new resources, news, and events! If you have something you'd like to add to the CCLM, please contact the [NBCKC Secretariat](#) to discuss sharing your work!



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