

# FRONTIER LITHIUM

*NEWS from the Junction*

## Winter Update: Making Progress, Navigating Weather

As with every year, this year the Frontier team looked forward to the winter program and getting boots on the ground at *the Junction*. Despite warm weather, focus remained on the program to support the Definitive Feasibility Study (DFS), which is the next step in the long process of opening a mine. Despite the challenges posed by the shortened road season, we have made considerable progress.

**Communities:** One of our favourite benefits of our time at the Knox Camp site has been the ability to visit communities that are proximal to us – we had the pleasure of hosting members of Deer Lake at site and visited all three of the other communities around us.

We also met with local community members who have stopped by on their travels.

**Feasibility:** Our focus during this condensed season has been on activities that support the DFS for the mine. This includes confirming the results of previous work such as re-analyzing core samples, targeted drill holes and conducting geotechnical drilling for project engineering purposes.

While we have made significant progress, there is still work to do because of the shortened season. A fly drill will be utilized later in the spring - using a helicopter to transport a small drill from location to location. This allows us to thoroughly examine the site and fill any gaps in data. We expect this in late May and early June to minimize the impacts to wildlife and keep the DFS on schedule.

“We are confident that our thorough approach to site assessment and planning will result in a mine that not only meets regulatory standards but also sets a new benchmark for environmental responsibility in the mining industry. Our experience this season has also provided valuable insights into the local communities and way of life in the project area.” said Clara Lauziere, Director, Sustainability with Frontier.



*A lynx spotted during an aerial wildlife survey carried out this winter.*

## Corporate Update: New Project Partner, Shared Vision

Frontier Lithium announced an agreement to enter into a joint venture agreement with Mitsubishi Corporation to advance the PAK Lithium Project. The new joint venture company will continue to respect Frontier Lithium’s commitment to building strong, respectful relationships with communities and ensuring regional benefits from the project.



*To recognize their new partnership, Frontier Lithium gifted Mitsubishi with a painting by Robert Kakegamic from Sandy Lake.*

# Frontier Lithium Wildlife Survey

Aerial surveys were conducted in March 2024 for wolverine, caribou, and other wildlife in an approximately 1500 km<sup>2</sup> study area around the PAK Lithium Project, and the all-season road study area. The focus of the studies are to understand the utilization of the area by endangered or threatened species of wildlife, as well as other species of interest.

The project area is classed as Category 3 habitat for woodland caribou by the Ministry of Environment, Conservation, and Parks (MECP), indicating that it is the most tolerant of disturbance from human activities. There is no known use by caribou of the project area where mining activities are planned to be undertaken, nor along the potential road corridor which is good news for the project!

Researchers observed the following during the survey:

- Two wolverines.
- 21 caribou in three groups, with tracks and signs of caribou activity observed at multiple locations.
- 62 moose in recent wildfire areas.
- Other wildlife, including gray wolves, Canada lynx, river otter, and birds such as bald eagles, common ravens, and sharp-tailed grouse.

The results of the survey will support project permitting.



Wolverine #1 and #2 observed on March 8, 2024.



Rob Foster

## Did You Know?

In Ontario, crown lands used for mining purposes are not purchased, but leased. This helps ensure that mining activities are temporary in nature and that mine sites are rehabilitated once activity ceases.

A mining lease gives the exclusive right to explore and extract minerals from a specific area of land for a set period, typically up to 21 years with renewals when activity on the site continues.

This provides certainty that the property can be developed, but only by the holder of the lease. Exploration or mining activities are not approved through the lease but require additional approvals from government in consultation with potentially affected Indigenous communities.

For more information on mining leases, visit [Mining leases | ontario.ca](https://www.ontario.ca/mining)



Rob Foster



Sidney Smith

Five caribou observed north of DeWitt Lake on March 7, 2024.



Brian Ratcliff

Moose observed during the 2024 aerial survey.

# OPEN HOUSE AT PAK LITHIUM PROJECT



Frontier Lithium staff were excited to host members of Deer Lake First Nation in a day of information sharing and discussion about the PAK Lithium Project. Conversation focused on our plans for the site of the Knox Camp, future mine development plans and the potential of all-season roads to the Junction.

A site tour allowed community members to see the 2024 winter drilling program in action!

Pictured above is a photo with Deer Lake community members, and the Frontier team at the PAK Lithium Project, concluding a great day of information sharing!

We are looking forward to similar opportunities with North Spirit Lake, Sandy Lake and Keewaywin First Nations in the spring/summer.



## Answering Community Questions

This section of the newsletter is dedicated to answering your questions.

### Q1. What if my community does not want to have all-season road access?

A1. Frontier Lithium is not proposing to bring all-season road access directly to any community. We recognize this is a very important decision which should be made by communities in consideration of impacts to your way of life.

Frontier is working towards all-season road access to the PAK Lithium Project only and intends to share information on this in the coming months. If successful, your community would have the opportunity to either re-align your winter road to provide a longer period for road access, or to begin the process of all-season road development for yourselves.

**PERMITS**

**Upcoming**

- Notice of Commencement - Class Environmental Assessment: Minor Transmission

**Government Notification Expected:**

- Claims to lease
- Notice of Project Status
- Knox Land Use Permit
- All-Season Road

# FRONTIER IN YOUR COMMUNITY

## Key people to know!

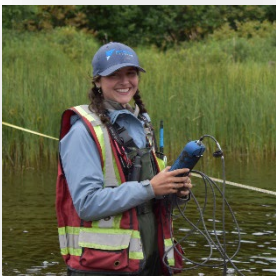
### Dave Brown



Meet Dave, when not out in community holding babies, Dave is the **Environment and Community Relations Manager** for the Frontier team! With over 20 years of experience in environmental consulting, mining, and construction industry, Dave has a clear knowledge in permitting for Environmental Assessments and Closure Planning across Canada. “I enjoy meeting with community members and listening to stories about the land and what is important to their culture and learning better ways of communication and collaboration” Dave speaks of his role.

Special welcome to Sandy Lake’s newest community member Tristan Goodman-Kakegamick! (Grandson of Frontier’s James Kakekagumick!)

### Sidney Smith



Meet Sidney, who joined the Frontier Team in 2022 as our **Environmental Coordinator**. Sidney splits her time between our PAK Lithium Project and our corporate office in Greater Sudbury. She facilitates our baseline environmental monitoring program, which is crucial for understanding and protecting the environment. “What I like most about my job is the excitement of being in nature, collaborating with our people on-site, and collecting data to use science-based techniques for evaluating and minimizing our environmental impacts” says Sidney.

## Frontier Lithium’s – Community Partner Program Launched!

FRONTIER LITHIUM strives to support community-based projects that can make a difference for present and future generations. Through a simple, easy to use process, Frontier hopes to encourage a diversity of projects from different communities that:

- Promote cultural programs that engage indigenous youth and promote traditional knowledge.
- Health, wellness, and recreational programs that promote healthy living.

For information on how to apply, please contact Dave Brown at [dbrown@frontierlithium.com](mailto:dbrown@frontierlithium.com) or reach out on the Frontier Lithium Facebook page!

Some recent events supported by Frontier Lithium are pictured below.



110km “fat bike” ride from Red Lake to Pikangikum raises \$55,000.



Sandy Lake Tomahawks compete in Northern Band Hockey Tournament sporting new jerseys!