# COMMUNITY NEWSLETTER

July 2024

## Message from

## Cathryn Moffett Principal Environment

#### A NEW ADDITION TO THE TEAM!

I am very happy to join the Patriot team as the new Principal Environment. My first week of work started with a visit to the Cree Nation of Chisasibi in April. I enjoyed touring the community, meeting with community members to hear their comments and concerns, and learning more about Chisasibi's history and culture at the Heritage & Cultural Center.

I have had the opportunity to work on several mining and natural resource development projects throughout my career, and the Corvette Project is another exciting project with a great team.

I am proud to be part of the lithium industry that will allow a cleaner future, less reliant on fossil fuels.

Over the next year I will be focussed on strengthening our environmental management programs and preparing the Environmental and Social Impact Assessment with the goal of building a Project that minimizes impacts to the environment and maximizes benefits to the local communities.

Cathryn Moffett

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Cathryn Moffett Principal Environment

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# Corvette



### HARD-ROCK LITHIUM

In Eeyou Istchee James Bay

#### **UPDATE ON THE PROVINCIAL PROCESS**

In November 2023, Patriot filed the Corvette Mine Project Preliminary Information Statement with the Ministère de l'Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs (MELCCFP). This filing represents the first step in the provincial Environmental and Social Impact Assessment (ESIA) process.

The COMEV analysed the documentation and issued guidelines outlining the scope and nature of the impact study that must be undertaken for the Corvette Mine Project. Patriot received the guidelines in early April 2024.

## WHAT IS THE CONTENT OF THE CORVETTE ESIA GUIDELINES?

The guidelines outline the scope and nature of the ESIA that must be undertaken for the Project. The ESIA content will include:



#### Context

- Proponent identification, description of the project and its context, purpose of the project.
- Listing of the applicable laws, regulations, agreements and policies.

#### Choice of location and technology alternatives

 Cost-benefit analysis where there are significant socio-economic and human impacts.

#### **Project description**

- Mineral deposit and facilities, extraction technology and ore processing.
- Management of tailings, waste rock, water and residual materials.
- Related developments and projects (access, accommodation, workforce transport logistic, fuel or hazardous materials storage, borrow pits, transport of ore and other goods, power supply).
- Corporate policy to hire and train First Nations workers.
- GHG emissions, climate change strategy and adaptation measures.
- Information on water diversions (infrastructure planned, quality of water affected, physical and biological characteristics, etc.).
- Rehabilitation and restoration plan.

## Corvette



### HARD-ROCK LITHIUM

#### In Eeyou Istchee James Bay

#### **Description of the environment**

- Definition of the study area.
- State of the environment before the project is carried out: biophysical & social.

#### Analysis of the project's impact (positive and negative)

- Methodology used.
- Biophysical environment: water, wetlands, aquatic & terrestrial habitat, fauna, plants, species at risk, soil, change in the landscape, noise and air.
- Social environment: economic benefits & impacts, impact on land users (particularly on First Nation practices and traditional activities), archeological heritage, culture, use of the roads, safety of land users, employment, training and business opportunities, etc.
- Cumulative impacts: combination of past, present and future actions/projects.

#### Mitigation measures, residual impacts and compensation measures

- List of measures to maximize positive impacts and correctives measures to reduce negative impacts.
- Compensation plans for wetlands, water bodies and fish habitat.

#### Four basic principles will guide the ESIA

- 1. Integration of sustainable development objectives
- 2. Taking climate change into account
- 3. Integration of indigenous knowledge and cultural values
- 4. Consultations and communications

Online Resource

To consult the Corvette Mining Project ESIA Guidelines (in French only)

Click here

# Corvette

## HARD-ROCK LITHIUM

### In Eeyou Istchee James Bay

## PATRIOT BATTERY METALS

## HISTORICAL EXPLORATION ACTIVITIES ON CORVETTE PROJECT

From the 1950s through to 1997, the Corvette area was subject to only limited exploration work, including various regional mapping surveys by the federal and provincial governments as well as airborne magnetic and electromagnetic surveys.

In 1997, Virginia Gold Mines Inc. (Virginia) acquired an extensive land position in the area, which overlapped the present-day Corvette Project. Exploration between 1997 and 2000 included various geophysical surveys, surface mapping, and prospecting targeting base and precious metals. In 2001, the first diamond drill holes were completed with drilling expanding in 2007 and 2013.

In 2016, Patriot (then under the name of 92 Resources Inc. and subsequently restructured in 2019 to Gaia Metals Corp. and again in 2021 to Patriot Battery Metals Inc.), acquired an initial claim position in the area (part of the present-day Corvette Main claim block). The claims were acquired, in part, because of the words "cristaux de spodumène" in pegmatite that were noted in an outcrop description from a 2006 exploration program carried out by Virginia. The description of the mineral spodumene indicated lithium pegmatite.

Patriot's non-drilling exploration activities (2016 through to today) at the Corvette Property include surface mapping and rock sampling, prospecting, channel sampling, ground and airborne geophysics, and remote sensing surveys. The focus has been predominantly for lithium-cesium-tantalum pegmatites, although significant base and precious metal exploration has also been completed.

Patriot's drilling exploration activities started in 2021 with 15 drill holes and continued trough 2024. In 2023, a mineral resource estimate has been completed for the CV5 Spodumene Pegmatite.

Confirmation of coarse- grained spodumene pegmatite at CV5	8 Discovery of R CV4	ទា Discovery of CV8 and CV12	R No field work	<b>17</b> Start of drilling exploration activities	CV13	R Mineral resource estimate for the CV5 Spodumene Pegmatite
				> [		

#### **CURRENT ACTIVITIES**

In 2024, the main objectives of the activities occurring at the Corvette Project are to:

- complete infill drill exploration at CV5 and an update of the Mineral Resource Estimate (CV5 & CV13) in Q3 2024.
- complete geotechnical, geomechanical, and hydrogeological drill programs at CV5 and at proposed mine infrastructure locations.
- undertake surface mapping, channel sampling, and prospecting.
- complete the construction of the Shaakichiuwaanaan Exploration Camp (80-person camp) and camp maintenance.
- complete the construction and maintain the all-season access road from the Trans Taiga Road to CV5.
- complete the 2024 environmental baseline data collection requirements.

# Mining 101

## EXPLORATION METHODS

## Diamond Drilling

## WHAT IS IT USED FOR?

Exploration diamond drilling is used to probe and sample rock below the surface as a method for detecting an ore deposit. A small diameter core of rock can be withdrawn and geologists can study and sample the rock.

It is also used by geotechnical engineers to test the ground competency for the foundation of infrastructure.

The drill rigs can be barge, helicopter, or road supported.



Barge supported drill rig



Road supported drill rig



Helicopter supported drill rig

#### **DIAMOND BIT: THE KEY TECHNOLOGY**

The most important part of diamond drilling is the bit. The diamond bit is made up of industrial diamonds set strategically into a soft metallic matrix. Diamonds are the hardest materials on earth and can cut through almost anything they come in contact with.

As the bit rotates during the drilling process, the matrix gradually wears down, exposing more fresh diamonds. This action allows the diamonds to effectively cut through the rock.



Diamond core drill bit Source: <u>Wikipedia</u>

#### TSX: PMET | ASX: PMT | OTCQ: PMETF | FRA: R9GA

# Mining 101

## EXPLORATION METHODS

## Diamond Drilling

## CORE EXTRACTION

The drill bit is fixed to a core barrel, which forms part of the drill string linked to a rotary drilling rig.

To evacuate the rock debris generated by the drill bit and to mitigate the friction-induced heat that contributes to the bit's deterioration, drilling mud and water are circulated through the drill pipe.

Advancing the drill by rotary action and washing causes the rock core to be extracted inside the barrel. When a section of the drilling is finished, a recuperation tool called overshot is lowered with a wireline and pulled up in order to retrieve the core barrel to the surface.

At the surface, the drillers and helpers remove the core from the barrel and send back the empty core barrel back to the bottom of the drill hole.

## PROCESSING THE DRILL CORE

The drill produces a cylinder of rock (core) which is placed in a core box and brought to the core shack for processing.

The geologists measure and describe the core. They also determine which segments will be sampled and sent to the lab for geochemical analysis.

Core shack personnel take pictures and label the boxes.

Core shack personnel studying the core.

The core cutters sample the rock. They split the core in two halves. One half is packed with a tag and sent to the lab. The remaining half is kept in the box. All the boxes are stored with care in a core library. They are the archives of the exploration project and can be consulted in the future.

The core is split longitudinally.













A core cutter preparing a sample.

# Community

#### PARTICIPATION

#### Events & Contributions

#### **COMMUNITY INFORMATION EVENTS**

Since the beginning of 2024, Patriot has had more than 70 communications activities with the Cree Nation of Chisasibi leadership, community members and the tallyman's family.

In April, a World Café Information Session was held at the Chisasibi Auditorium to present an update on the exploration activities and a video describing preliminary plans for a potential mine. The information was broadcast live on the local radio. Following the presentation, the attendees were invited to discuss their questions and concerns in subgroups. At the end of the evening, a summary of the discussions was presented to all in attendance.





#### 

A video summarizes the conceptual Corvette Mining Project in Cree, English and French.

Click here



Presentation and discussion tables at the World Café Session, April 2024, Chisasibi

#### PATRIOT VISITING CHISASIBI COMMUNITY



James Bay April 2024, Chisasibi





In May, Patriot's Board of Directors and the Management team visited the community and participated in the Shaakichiuwaanaan Day activities on site.



Guided tour for the Patriot team May 2024, Chisasibi



# Community

## PARTICIPATION

#### & Contributions Events

### COMMUNITY MEMBERS VISIT ON SHAKICHIUWAANAAN DAY

In June, approximately twenty community members visited the Corvette site. The elders blessed the Shaakichiuwaanaan Lake. Traditional food was served in a sabtuan built with the help of the workers and the tallyman's family. In total, more than 60 people participated in the event. It was a memorable event that helped build our strong relationship with the community!















Community members visit the Corvette exploration site June 2024, Shaakichiuwaanaan Camp

## **SPONSORSHIP & DONATION PROGRAM**

Patriot contributes to the Fonds Restor-Action Cri. This fund supports remediation activities of abandoned mining exploration sites on the Eeyou Istchee territory. The work is performed by the Environment and Remedial Works Department of the Cree Nation Government.





# **News Releases**



## HIGHLIGHTS

#### from last quarter

To access all Patriot Battery Metals news releases, please visit <u>https://patriotbatterymetals.com/news/</u>

April 7,PATRIOT ANNOUNCES FINAL 2023 DRILL HOLE RESULTS FOR THE CVI3 AND CV92024PEGMATITES, CORVETTE, QUEBEC, CANADA

April 17,PATRIOT ACHIEVES KEY PERMITTING MILESTONE FOR CORVETTE WITH RECEIPT OF<br/>GUIDELINES FROM THE MINISTRY

April 21, 2024

2024

FINAL 2023 DRILL HOLE RESULTS FOR CV5 AT CORVETTE INCLUDING 133.9 M AT 1.21% LI2O AND EXTENDING STRIKE TO 4.6 KM

#### HIGHLIGHTS

- Reception of the Guidelines for the Environmental and Social Impact Assessment for the Corvette Mining Project
   New High-Grade Zone Discovered at CV13
- May 1, 126.3 M AT 1.66% LI2O AND 16.1 M AT 5.02% LI2O IN FIRST BATCH OF 2024 DRILL RESULTS FROM CV5 AT CORVETTE
- May 2, PATRIOT EXPANDS LAND POSITION ON THE CORVETTE TREND
- May 6, NEW HIGH-GRADE ZONE DISCOVERED AT CV13 34.4 M AT 2.90% LI2O, INCLUDING
  2024 21.9 M AT 3.58% LI2O, CORVETTE
- May 15, **PATRIOT ALBEMARLE MOU CONCLUDED** 2024
- May 15, **122.5 M AT 1.42% LI2O AND 71.4 M AT 1.57% LI2O AT CV5**
- May 21, PATRIOT BATTERY METALS ANNOUNCES C\$75M FLOW-THROUGH FINANCING
- May 30, 2024 PATRIOT BATTERY METALS ANNOUNCES CLOSING OF C\$75M FINANCING
- June 10,<br/>2024PATRIOT EXPANDS HIGH-GRADE "VEGA ZONE" AT CV13 WITH MULTIPLE DRILL<br/>INTERCEPTS
- June 24,<br/>2024PATRIOT DRILLS 124.9 M AT 1.72% LI2O AND 35.6 M AT 3.78% LI2O IN FINAL BATCH OF<br/>CV5 ASSAYS AHEAD OF Q3 RESOURCE UPDATE
- June 26,<br/>2024PATRIOT MAINTAINS EXPLORATION & DEVELOPMENT MOMENTUM AT CORVETTE<br/>WITH EXTENSIVE SUMMER-FALL WORKPLAN

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# **Contact Info**





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