



UNLOCKING

North America's Next Lithium District

Webinar, July 2024

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fluctuations in currency markets (such as the US dollar versus the Canadian dollar); the volatility of the metals markets, and its potential to impact our ability to meet its financial obligations; Patriot Battery Metals' ability to recruit and retain qualified personnel; employee relations; disputes as to the validity of mining or exploration titles or claims or rights, which constitute most of its property holdings; Patriot Battery Metals' ability to complete and successfully integrate acquisitions; increased competition in the mining industry for properties and equipment; limited supply of materials and supply chain disruptions; relations with and claims by indigenous populations; relations with and claims by local communities and non-governmental organizations; the effectiveness of its internal control over financial reporting; claims and legal proceedings arising in the ordinary course of business activities.

Forward-looking information is made based on management's beliefs, estimates and opinions and are given only as of the date of this presentation. Patriot Battery Metals undertakes no obligation to update forward-looking information if these beliefs, estimates and opinions or other circumstances should change, except as may be required by applicable law. Mineral exploration and development are highly speculative and are characterized by a number of significant inherent risks, which may result in the inability to successfully develop our projects for commercial, technical, political, regulatory or financial reasons, or if successfully developed, may not remain economically viable for their mine life owing to any of the foregoing reasons, among others. There is no assurance that the Company will be successful in achieving commercial mineral production and the likelihood of success must be considered in light of the stage of operations.

Current and potential investors should not place undue reliance on forward-looking statements due to the inherent uncertainty therein. All forward-looking information is expressly qualified in its entirety by this cautionary statement.

QUALIFIED/COMPETENT PERSON

The information in this presentation that relates to the mineral resource estimate and exploration results for the Corvette Property is based on, and fairly represents, information compiled by Mr. Darren L. Smith, M.Sc., P.Geo., who is a Qualified Person as defined by National Instrument 43-101, and member in good standing with the Ordre des Géologues du Québec (Geologist Permit number 1968), and with the Association of Professional Engineers and Geoscientists of Alberta (member number 87868). Mr. Smith has reviewed and approved the technical information in this presentation.

Mr. Smith is Vice President of Exploration for Patriot Battery Metals Inc. and holds common shares and options in the Company.

Mr. Smith has sufficient experience, which is relevant to the style of mineralization, type of deposit under consideration, and to the activities being undertaken to qualify as a Competent Person as described by the JORC Code, 2012. Mr. Smith consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.

- 
- Corvette - Exploration and Resource Development
 - CV5 Project Development
 - Market Commentary

PATRIOT BATTERY METALS

July 2024 Webinar

Introduction / Highlights

Patriot Battery Metals is a hard-rock lithium exploration company focused on advancing its district-scale discovery at the 100% owned Corvette Property in the James Bay region of Quebec.



Size, scale, and quality. Corvette is the already the largest lithium pegmatite in the Americas, the 8th largest globally, with significant exploration potential. Large spodumene crystals allows for simple process flowsheet and high recoveries. Corvette could be the largest spodumene supplier in the Americas.



Cash position of \$119M pro-forma equity raise as of April 30th giving us the ability to pursue Corvette's advancement



Disciplined exploration and development initiatives targeting a production timeline aligned with the downstream capacity needs of North America and Europe

*CV5 mineral resource (109.2 Mt at 1.42% Li₂O and 160 ppm Ta₂O₅ inferred) is reported at a cut-off grade of 0.4% Li₂O with effective date of June 25, 2023. Mineral resources are not mineral reserves as they do not have demonstrated economic viability. Largest lithium pegmatite in the Americas and 8th largest in the world based on contained LCE.

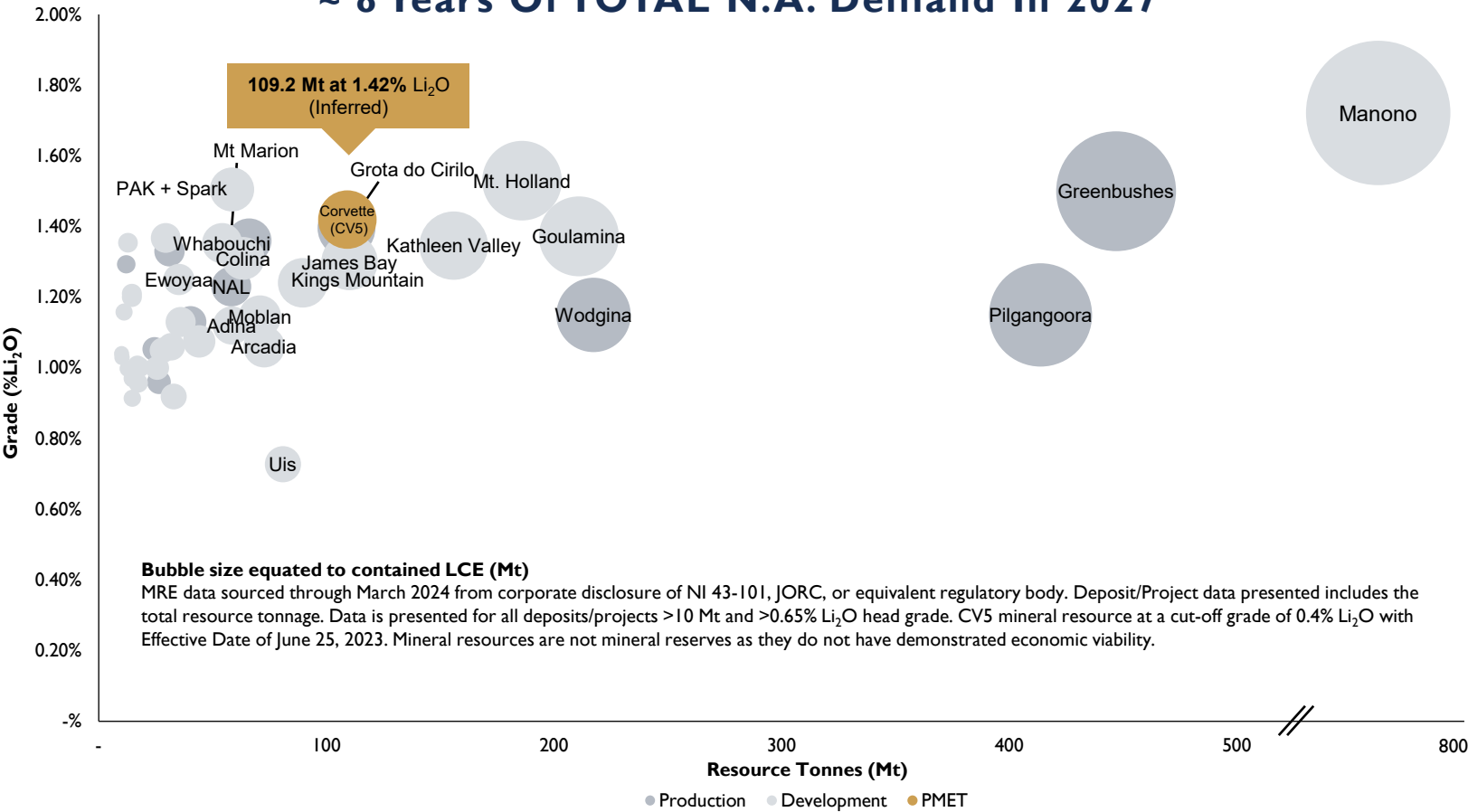
An aerial photograph of a mining operation in a rugged, mountainous area. The landscape is covered with patches of snow and dense evergreen forests. In the foreground, a large, cleared area of earth and rock is visible, with several pieces of heavy machinery, including excavators and trucks, engaged in work. A winding road or path cuts through the site. The background shows steep, snow-covered slopes and distant mountain peaks under a clear sky.

THE CORVETTE PROPERTY

1st Major Workstream – Exploration and Resource Development

Large, High-Grade

3.8 Mt of LCE Resource
≈ 8 Years Of TOTAL N.A. Demand In 2027

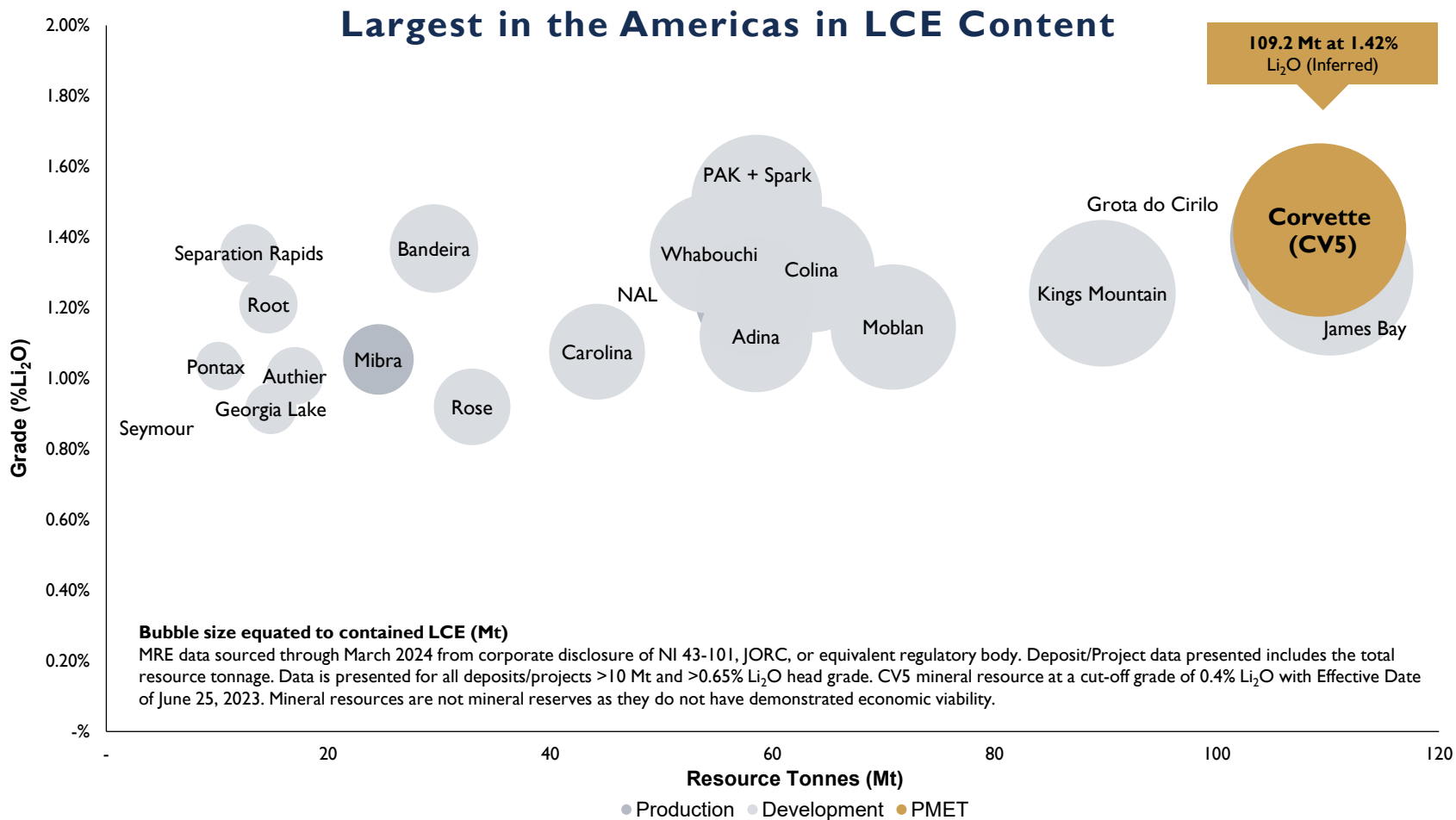


Deposit/Project	Location
Pilgangoora	Australia
Manono	DRC
Greenbushes	Australia
Wodgina	Australia
Goulamina	Mali
Mt. Holland	Australia
Kathleen Valley	Australia
James Bay	Quebec, Canada
Corvette	Quebec, Canada
Kings Mountain	USA
Grota do Cirilo	Brazil

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CV5 MINERAL RESOURCE ESTIMATE*

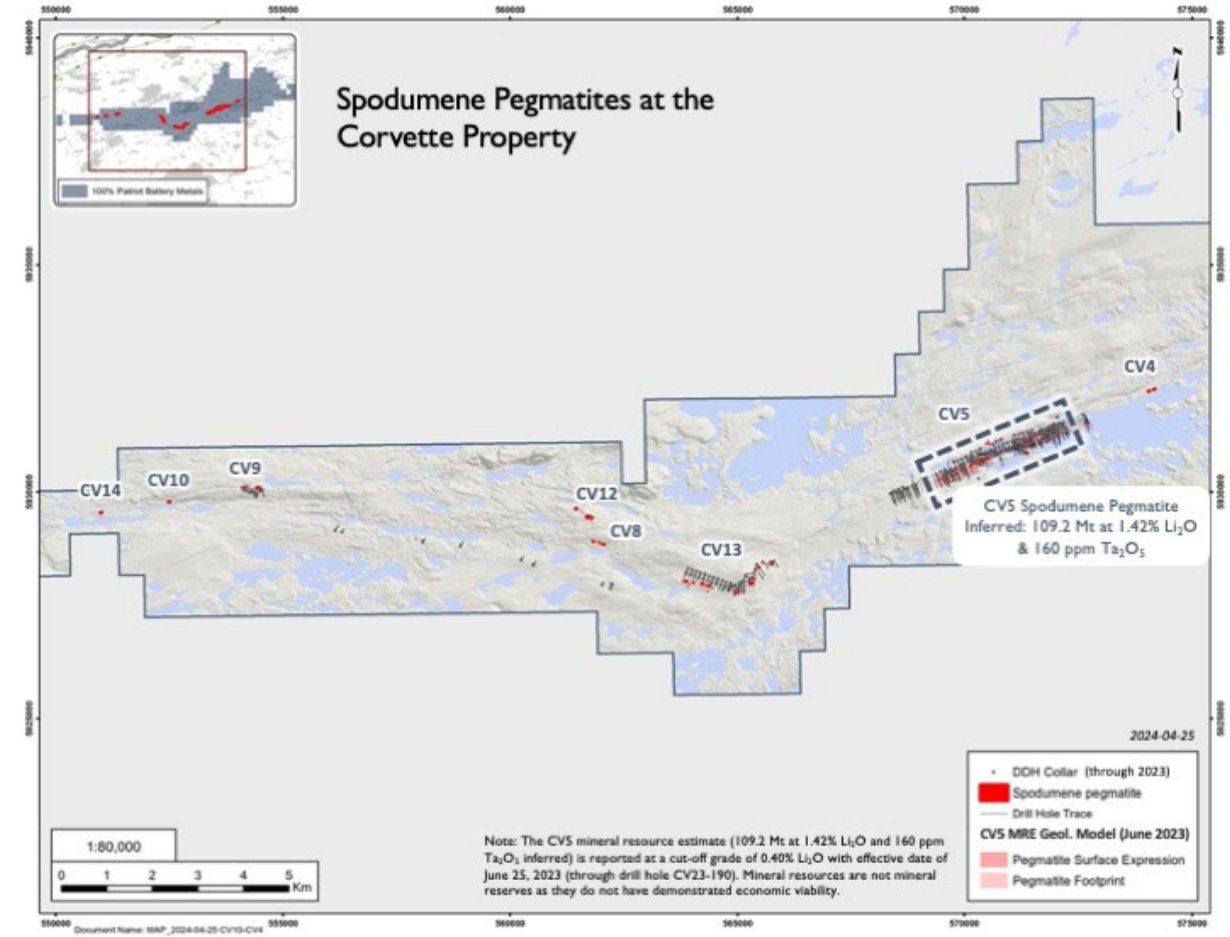
Large, High-Grade



**CV5 mineral resource (109.2 Mt at 1.42% Li₂O and 160 ppm Ta₂O₅ inferred) is reported at a cut-off grade of 0.4% Li₂O with effective date of June 25, 2023. Mineral resources are not mineral reserves as they do not have demonstrated economic viability. Largest in the Americas based on contained LCE.*

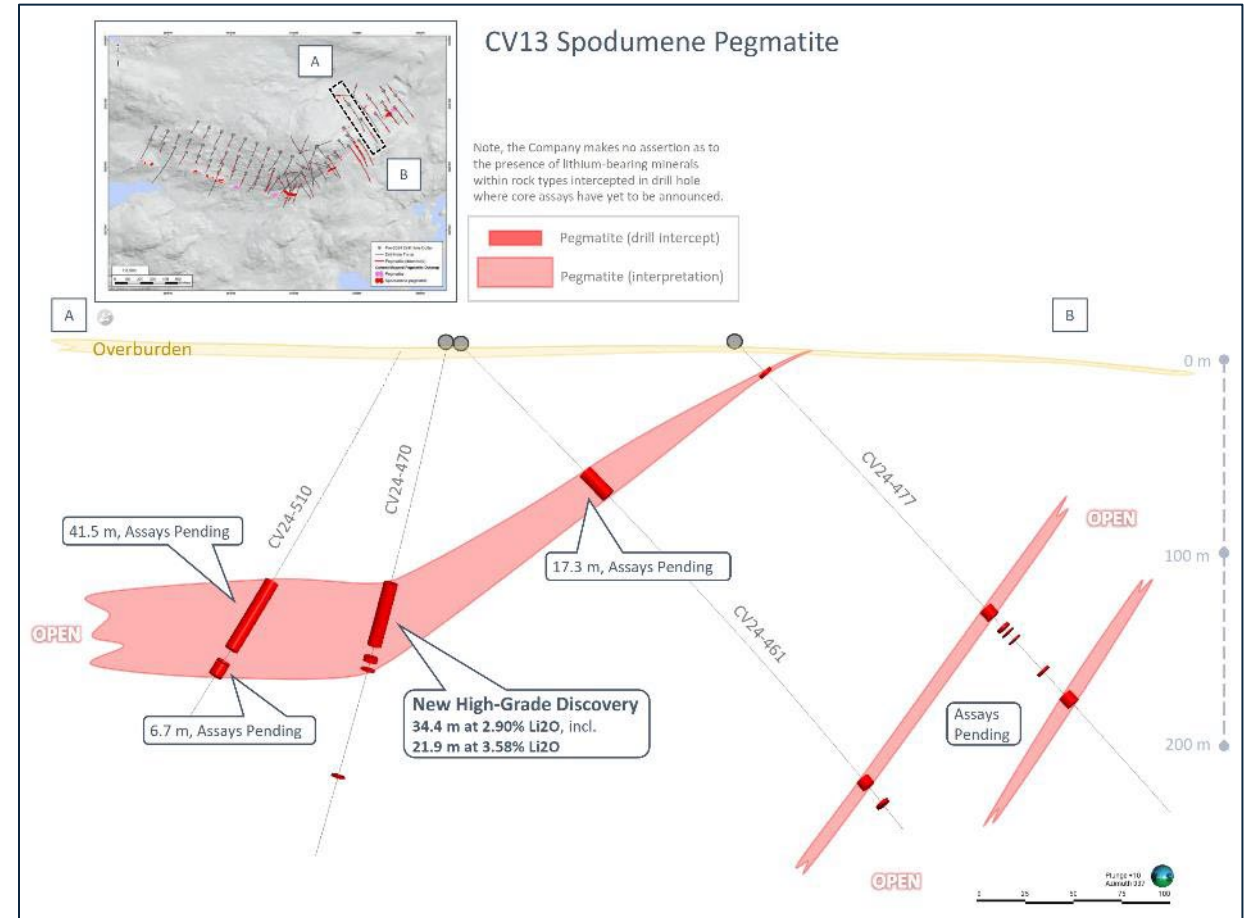
Spodumene Pegmatite Clusters

- CV5 is currently a 4.6 km spodumene pegmatite as defined by drilling, which remains open
- CV13 is currently a 2.3km spodumene pegmatite as defined by drilling, which remains open
 - New high-grade zone discovered with **34.4 m at 2.90% Li_2O** , including **21.9 m at 3.58% Li_2O** (CV24-470)
- CV13 is situated ~2.9 km along geological trend from CV5
- Drilling of this highly prospective corridor between CV5 and CV13 yet to be completed



New High-Grade Zone at CV13

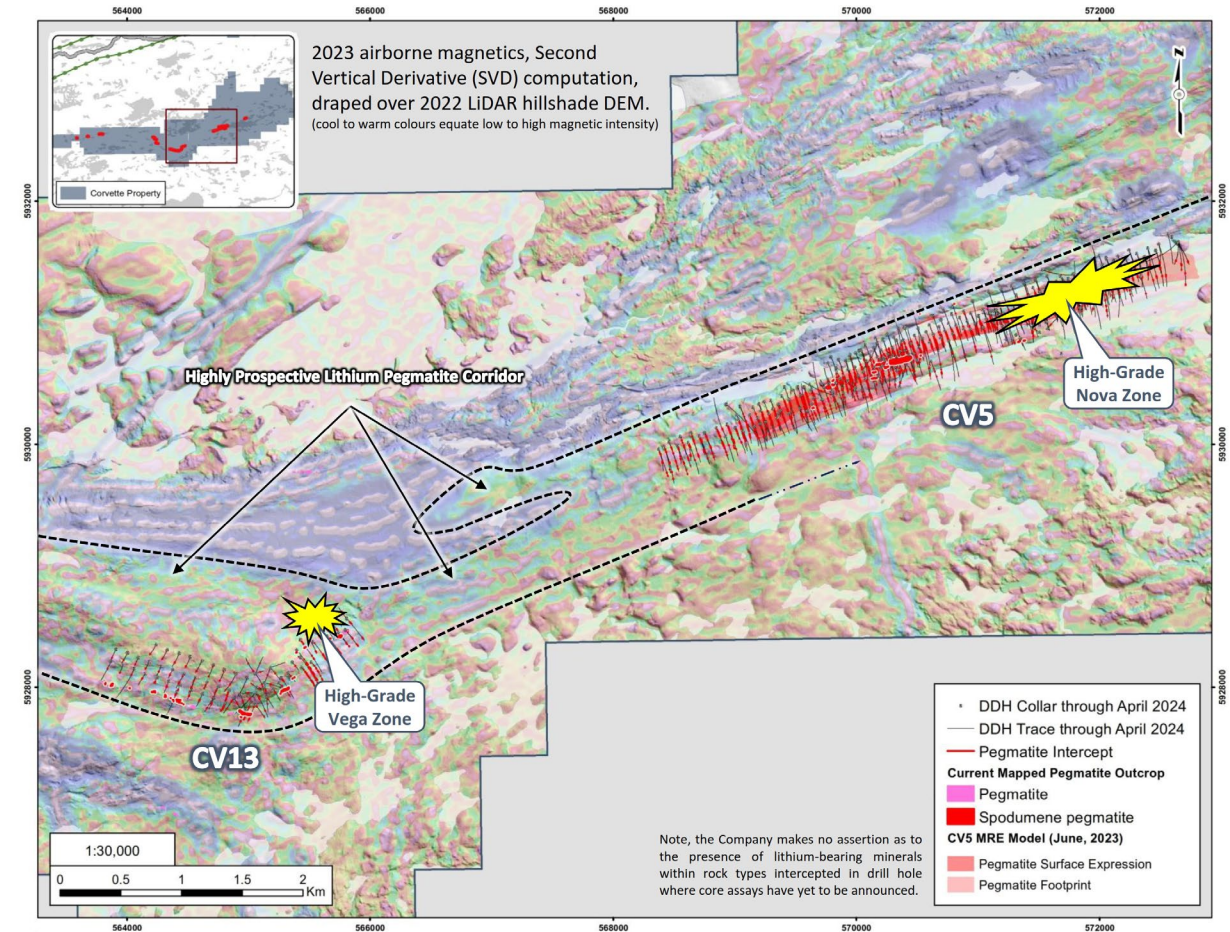
- 34.4 m at 2.90% Li₂O, including 21.9 m at 3.58% Li₂O (CV24-470).
- Mineralization at shallow depth (starting at ~125 m vertical depth from surface) with a near-horizontal orientation, and open in multiple directions.
- Results pending for multiple follow-up holes



Preliminary cross-section of the CV13 geological model at the end of the April 2024 program. Results announced herein for drill hole CV24-470.

New High-Grade Zone at CV13

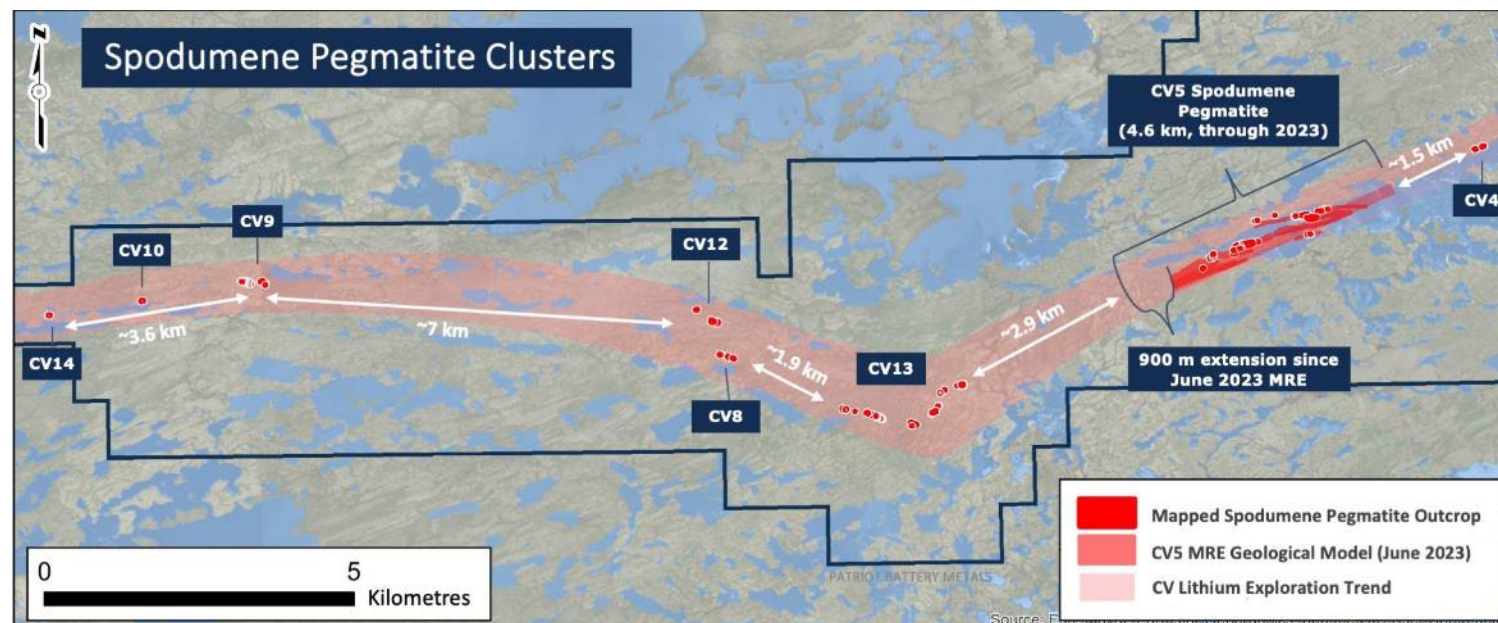
- New high-grade spodumene pegmatite zone discovered at CV13:
 - Points to additional exploration potential to the North of the previously identified CV13 zone
 - Delineation drilling now underway adjacent to the high-grade discovery, and working towards CV5



Highly prospective lithium pegmatite corridor proximal to the CV5 and CV13 spodumene pegmatites.

The Largest in the Americas

- **100% Owned**
- **CV5 is the largest spodumene pegmatite in the Americas**
- CV5 traced by drilling over a **strike length of 4.6 km** and remains open along strike at both ends, and to depth along a significant portion of its length
- **MRE Update** for the Corvette Project planned for **Q3 2024**



CV5 Maiden Mineral Resource Estimate* —
109.2 Mt @ 1.42% Li₂O, Inferred
(largest lithium pegmatite in the Americas and 8th largest globally)

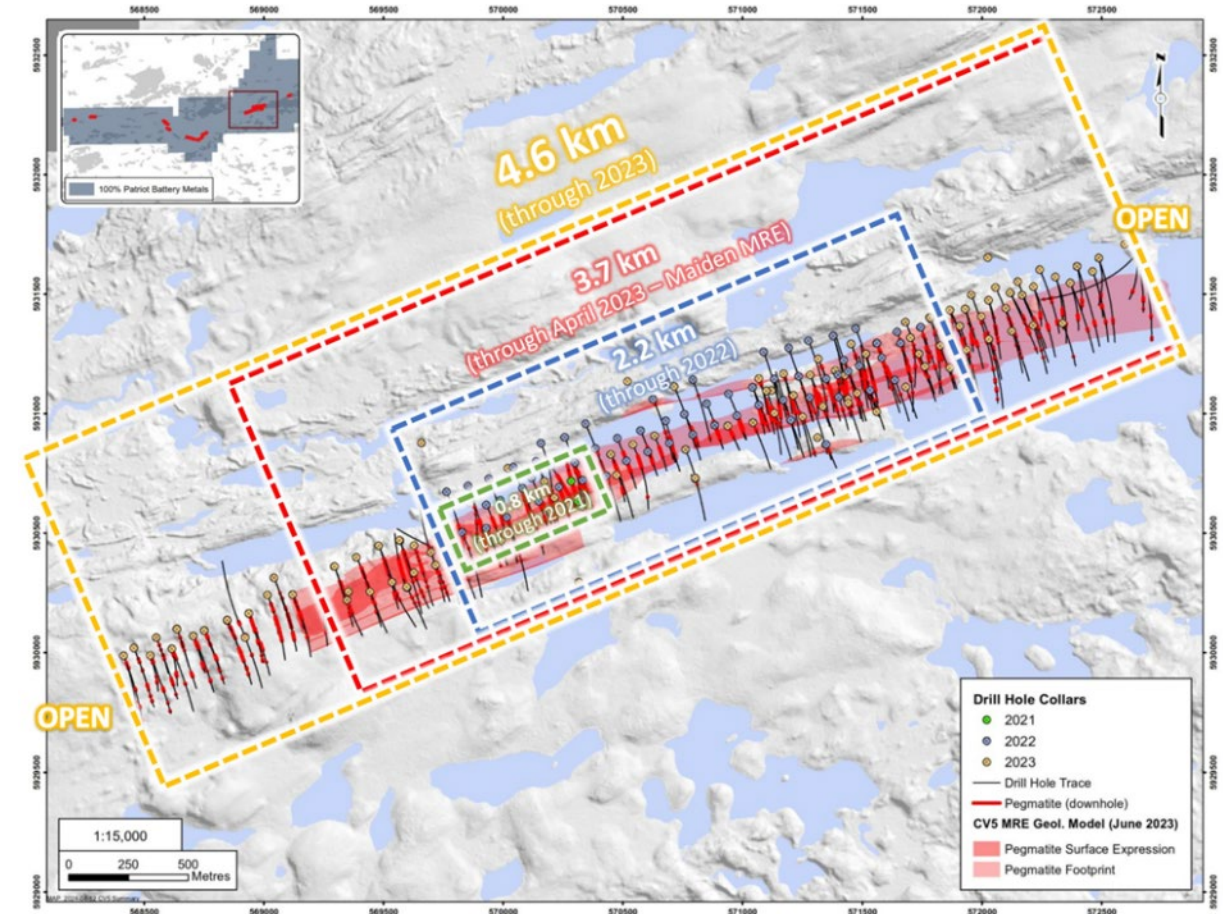
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CV5 MINERAL RESOURCE ESTIMATE*

109.2 Mt at 1.42% Li_2O , Inferred

- Geological model interprets a predominantly **single, continuous, principal pegmatite body** resulting in easier mining methods, lower costs
- **The size means it could feed multiple Gigafactories for decades or one for generations**
- The June 2023 MRE for the CV5 Spodumene Pegmatite includes only 3.7km of the currently defined 4.6km strike length, which remains open

*CV5 mineral resource (109.2 Mt at 1.42% Li_2O and 160 ppm Ta_2O_5 inferred) is reported at a cut-off grade of 0.4% Li_2O with effective date of June 25, 2023. Mineral resources are not mineral reserves as they do not have demonstrated economic viability. Refer to Mineral Resource Statement in Appendix. Largest lithium pegmatite in the Americas and 8th largest in the world based on contained LCE.



Diamond drill hole locations at the CV5 Spodumene Pegmatite, which form the basis of the maiden mineral resource estimate.



THE CORVETTE PROPERTY

2nd Major Workstream – CV5 Base Case Development Project



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Recent Infrastructure Installations

Shaakichiuwaan Camp

The camp is located at **KM270** on the **Trans-Taiga Road**.

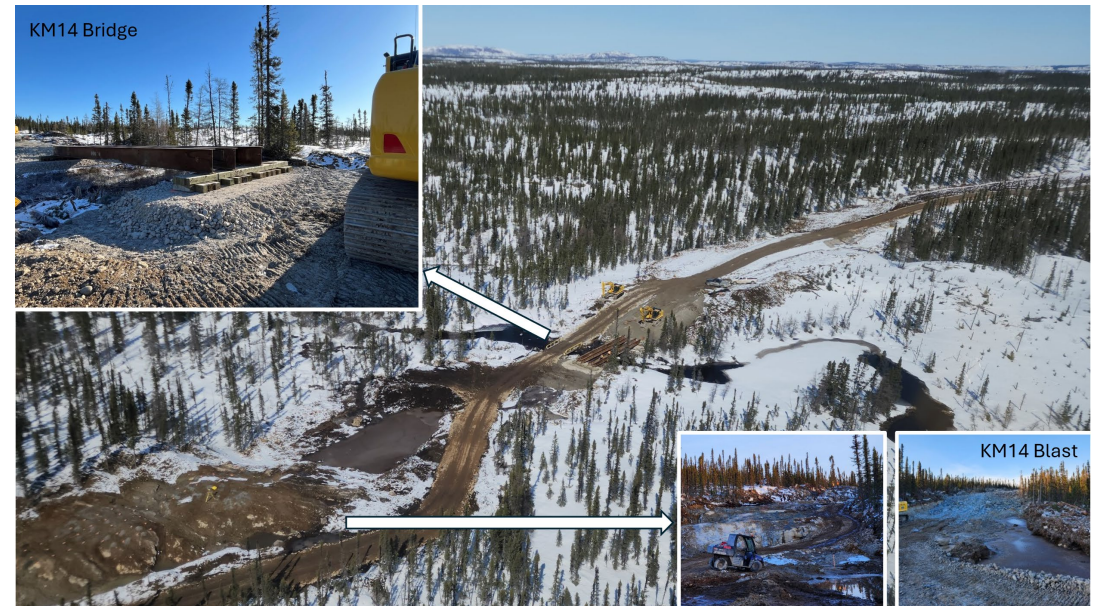
The camp is a **critical** infrastructure considering upcoming closure of **Mirage Outfitters** in Q4 2024 and includes the following facilities:

- 80 room camp for Phase I; expansion to a total of 150 rooms planned for summer 2024.
- Camp facilities include dormitories, kitchen/dining facility, office space, nurse stations, recreation complex.
- Heated workshop for mechanical support of equipment.
- Core management and storage with fuel facility and potable water supply.



All Weather Road

- The All-Season Access Road extends south from KM270 on the Trans-Taiga Road a distance of 20.2 km south to the CV5 deposit
- The road is a critical investment and will **enable significant cost savings** on future drilling and exploration expenditures
- The road includes three bridges (ranging from 30 feet to 100 feet in length) and 12 culvert installations
- The road has been constructed to MRNF Class 4 standards and will provide safe reliable access to the CV5 deposit during the entire development phase of the project





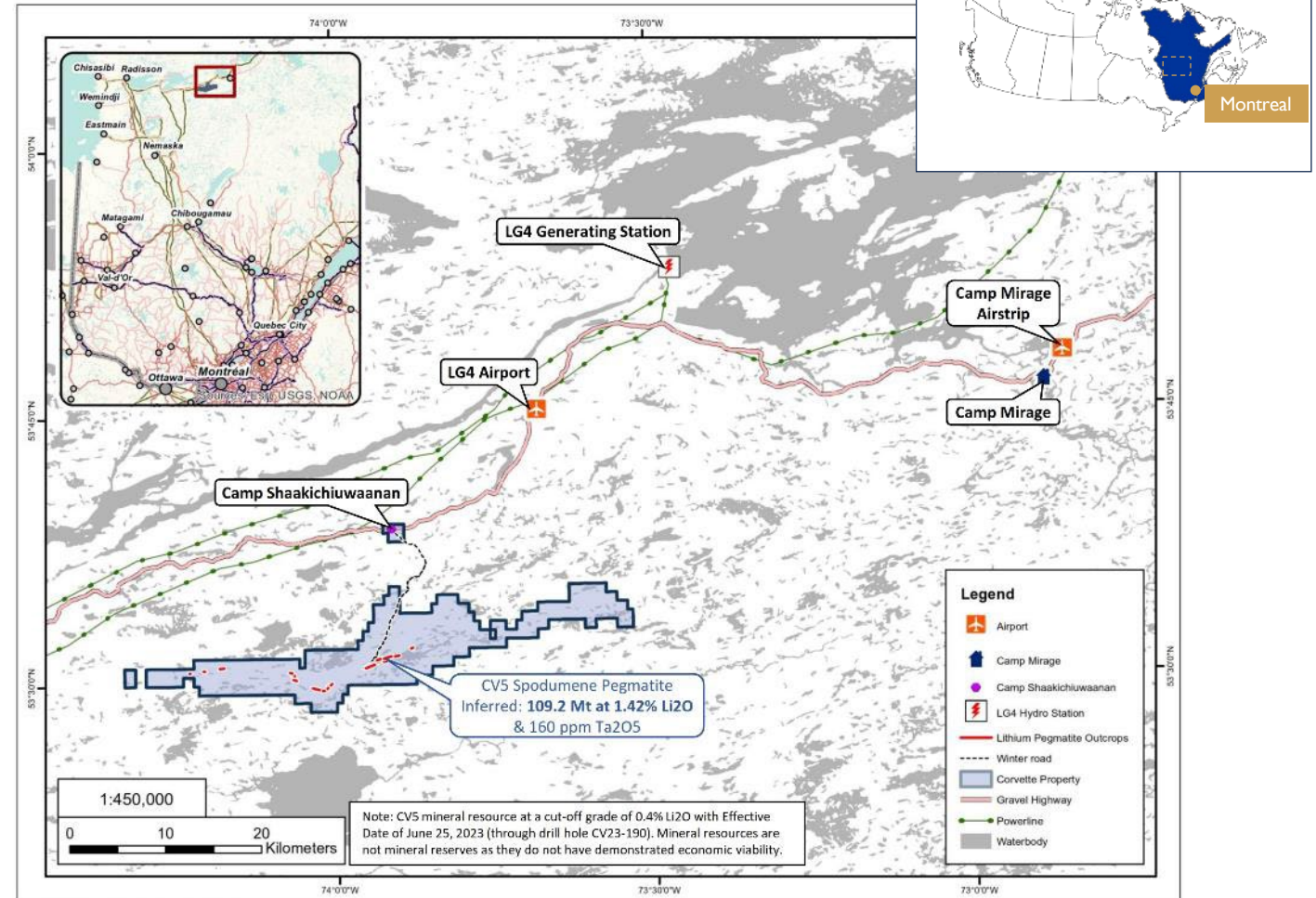
PATRIOT BATTERY METALS

Project Background

Near Infrastructure

CV5 Spodumene Pegmatite at the Corvette Property is Strategically Located in the James Bay Region of Northern Quebec

- ~13 km from all-weather road access
- ~14 km from existing hydropower lines
- ~50 km from La Grande-4 hydropower station
- Access to green power allows for potential to produce low-carbon emissions lithium in the future



CV5 & CV13

Simple Mineralogy & Metallurgy

Both CV5 and CV13 — Potentially Processable at the same Plant

- **Consistently large spodumene crystals** (potentially from the same source)
- Representative testwork done across the whole orebody
- **Coarse-grained** spodumene liberates effectively at ~6.5 mm and ~9.5 mm crush sizes
- **Low Fe_2O_3** present, ~0.65% in concentrate: iron is key impurity to evaluate
- Metallurgical test work indicates a **>5.5% Li_2O** spodumene concentrate at **high recovery (>70%)** may be produced using only Dense Media Separation (DMS)



Simple Mineralogy & Metallurgy



- Amendable to simple DMS process which means high recoveries with:
 - No grinding (high energy)
 - No flotation
- Lower capex and lower opex
- Quicker and easier commissioning
- Low environmental impact — no harsh reagents required



PATRIOT BATTERY METALS

Approvals Process

Mining Approval Process

✓ **Project Description**

- Project guidelines

Environmental Impact Assessment Report

- Baseline Data collection (2 years)
- Alternatives Assessment
- Preferred Project Design (based on the Study)
- Project Effects Assessment
- Environmental Impacts & Mitigation Measures
- Stakeholder Commitments (Feed into the IBA)

+

Feasibility Study (Defines Preferred Project)

=

ESIA Submission to COMEX

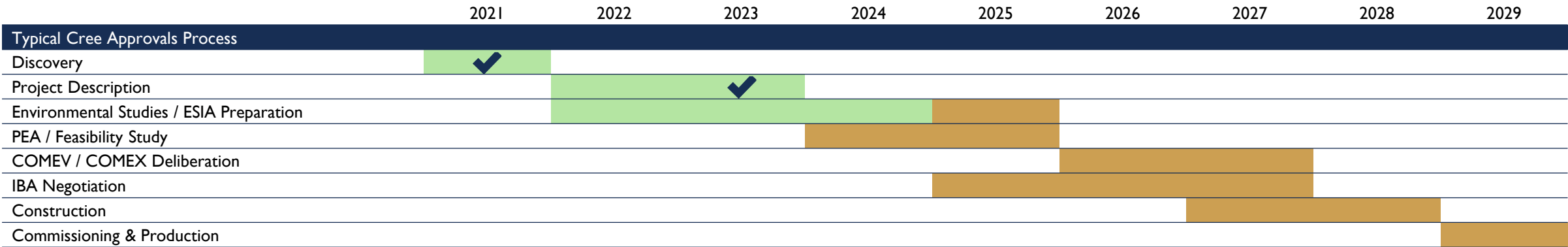
**Impact Benefit Agreement
(Commitments to Local Communities)**

+

COMEX Positive Recommendation

=

**Fully Permitted to Commence Project
Construction**



Corvette: Impact Assessment Processes

Provincial Assessment & Review Procedure

- All mining projects located south of the 55th parallel, in the territory is governed by the James Bay and Northern Quebec Agreement (“JBNQA”)
- COMEX – Environmental and Social Impact Review Committee. Bipartite Quebec-Cree body, responsible for reviewing projects south of the 55th parallel. Comprised of 2 members appointed by the Cree and 3 members appointed by Quebec.

Federal HADD

- Formal Federal authorization process (referred to as HADD) managed by the Department of Fisheries & Oceans (“DFO”) to obtain a permit when a fish bearing waterbody is impacted
- Partially draining the lake to access the CV5 Pegmatite requires a HADD



PERMITTING

Environmental Baseline Work

	Q3 22	Q4 22	Q1 23	Q2 23	Q3 23	Q4 23	Q1 24	Q2 24	Q3 24	Q4 24	Q1 25	Q2 25	Q3 25	Q4 25
Baseline StudyWork	Completed		Completed				Completed/Planned				Planned			
Geochemistry														
Soils														
Hydrology & bathymetry														
Surface water quality														
Hydrogeology & groundwater														
Vegetation & wetlands														
Fish & fish habitat														
Large mammals														
Avian wildlife														
Other (soundscape, light, etc.)														
Archeological														
Key														
Completed														
Planned														

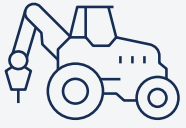
Gantt chart of Environmental baseline work completed to date and planned to support the submission of the ESIA

Cree Engagement



- Recent site celebrations / ceremony and feast
 - Approximately 40 community members, including the Tallyman and his family
 - The entire site team
- Camp Shaakichiuwaanaan
 - The name means climbing a hill or a mountain
 - As chosen by the Tallyman, his family and supported by the broader Cree community

Exploration, Resource Growth and Project Delivery



Continue to Drill

- ✓ Extend CV5 westward to CV13
- ✓ Infill drilling at CV5
- Updated resource estimate at Corvette Q3-2024 (Cv5 and CV13)
- Drill CV13
- Drill the CV8, CV9, CV10, and CV12 spodumene pegmatite clusters



Exploration/ Development

- Surface work on the remaining prospective trend yet to be assessed
- Discover and drill new spodumene pegmatite clusters
- Continue to advance infrastructure like all-weather road and camp to support activities on site



Community

- Build and enhance relationships with Chisasibi and the Cree Nation
- **Ensure local participation:**
 - Employment
 - Business opportunities
 - Environmental data collection and traditional knowledge



Develop CV5

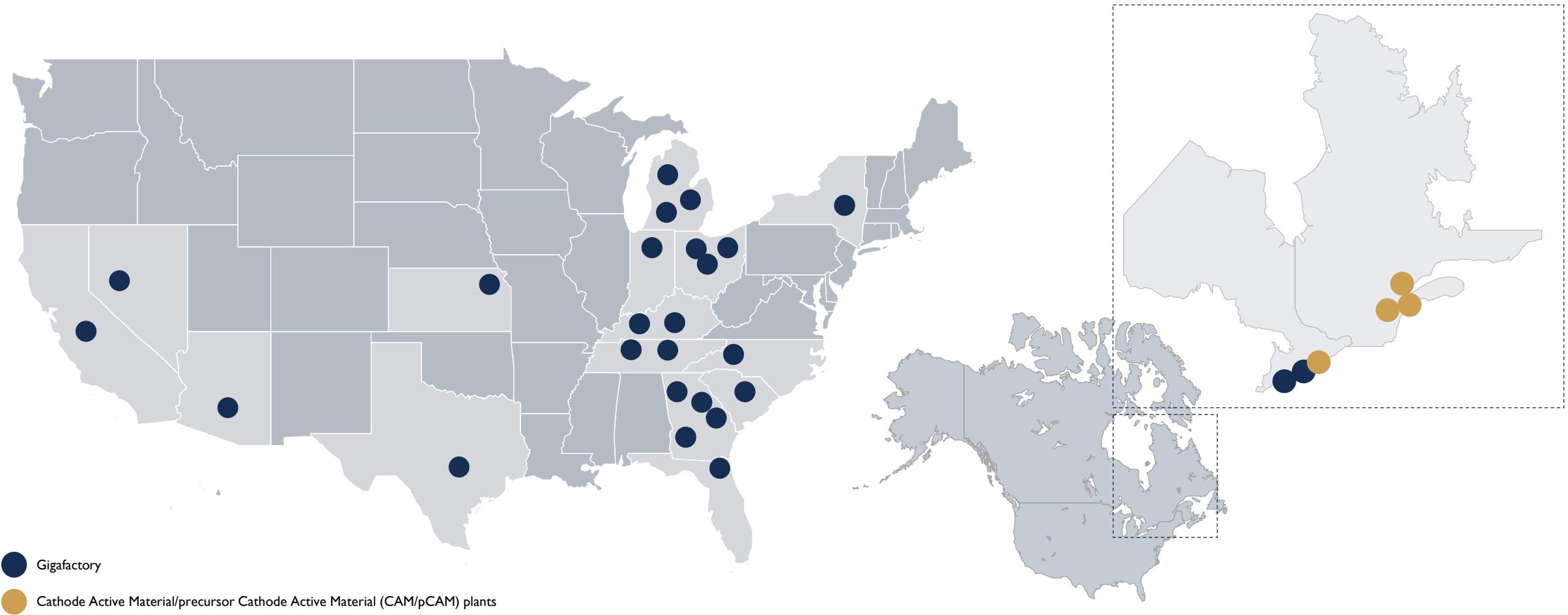
- ✓ Deliver CV5 initial mineral resource estimate
- Progress EIS and permits for development
- Progress towards a preliminary economic assessment (PEA)
- Become a long-term lithium supplier in North America



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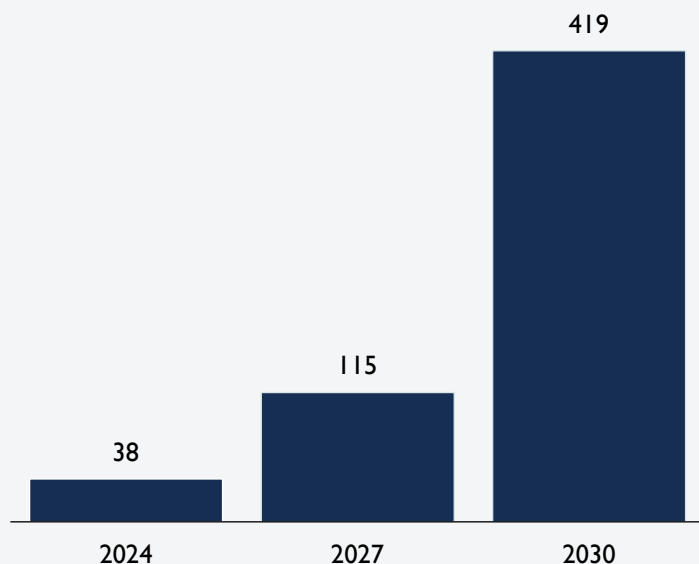
Market Commentary

Downstream Landscape



North American Lithium Market

Planned Li Supply (kt LCE)



Downstream Demand



2027 Battery
Manufacturing Capacity
~700 GWh



Implies up to ~477 kt
of lithium carbonate
equivalent demand

Select OEMs

TESLA

4 plants planned **199 GWh**



4 plants planned **165 GWh**



3 plants planned **164 GWh**

Public disclosures, IRENA, CIBC World Markets, J.P. Morgan North America Equity Research



Thank you and Questions

PATRIOT BATTERY METALS

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Appendices



PATRIOT BATTERY METALS

Our Team



PROVEN TEAM WITH A TRACK RECORD OF VALUE CREATION



Ken Brinsden

B.Eng. (Mining),
MAUSIMM, MAICD
CEO, President, Director



**Natacha
Garoute**

CPA, LLB
CFO



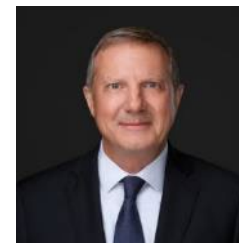
**Darren L.
Smith**

M.Sc., P.Geo.
Vice President,
Exploration



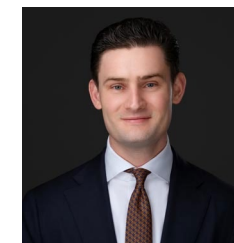
Alix Drapack

P.Eng., MBA, ICD.D
Vice President,
ESG



Greg Barfoot

M.Eng., MBA
Vice President,
Project Development



Bradley Seward

VP IR
Australia



**Olivier
Caza-Lapointe**

Head of IR
North America

YEARS

Over 30 years

YEARS

Over 20 years

YEARS

Nearly 20 years

YEARS

Over 20 years

YEARS

Over 25 years

YEARS

Nearly 10 years

YEARS

Over 15 years

EXPERIENCE

CEO & MD, Pilbara
Minerals

EXPERIENCE

CFO, Champion Iron Ore;
CFO & Corporate Secretary,
Roxgold

EXPERIENCE

Strong focus on rare
earth elements, and rare
metals (Li, Ta, Nb)

EXPERIENCE

Chief Sustainability Officer,
Osisko Mining

EXPERIENCE

Project Management at
BHP, SNC Lavalin and Fluor

EXPERIENCE

Equity Research,
Syndication and Sales,
Macquarie; Equity
Research, Institutional
Sales, Canaccord Australia
(Patersons)

EXPERIENCE

Executive Director —
Institutional Sales, CIBC;
equity trading, CDPQ

ACHIEVEMENTS

Developed Pilbara from
exploration to production and
into the ASX 100

ACHIEVEMENTS

Extensive financial and capital
markets experience, raised
\$500+ M financing for
developers and producers

ACHIEVEMENTS

Discovered Ashram (REE) and
Corvette (Lithium); Project
development; QP

ACHIEVEMENTS

Extensive experience in
Quebec in H&S, HR,
indigenous and community
relations and project
permitting

ACHIEVEMENTS

Oversaw over \$6.5 B of total
invested capital across various
commodities, locations and
technical challenges

NON-EXECUTIVE DIRECTORS

Pierre Boivin (Chairman)

Blair Way

Brian Jennings

Mélissa Desrochers

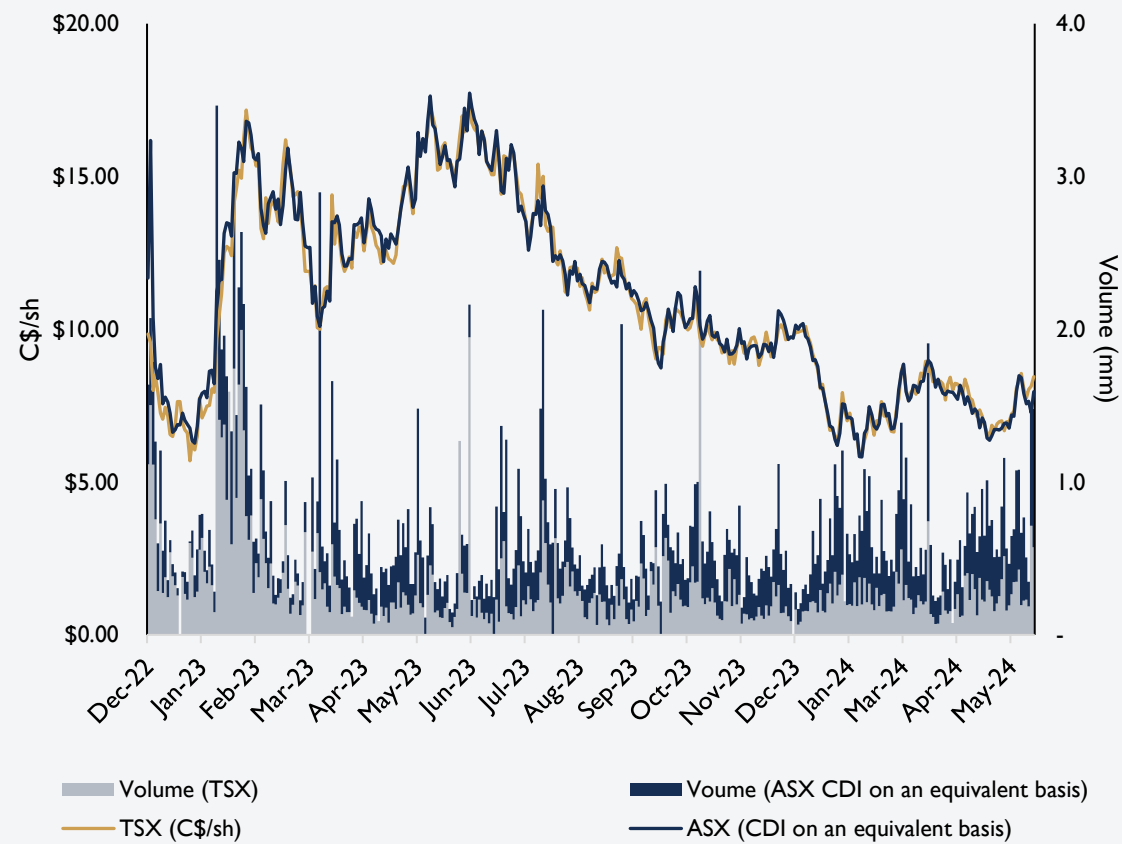
CORPORATE

Snapshot

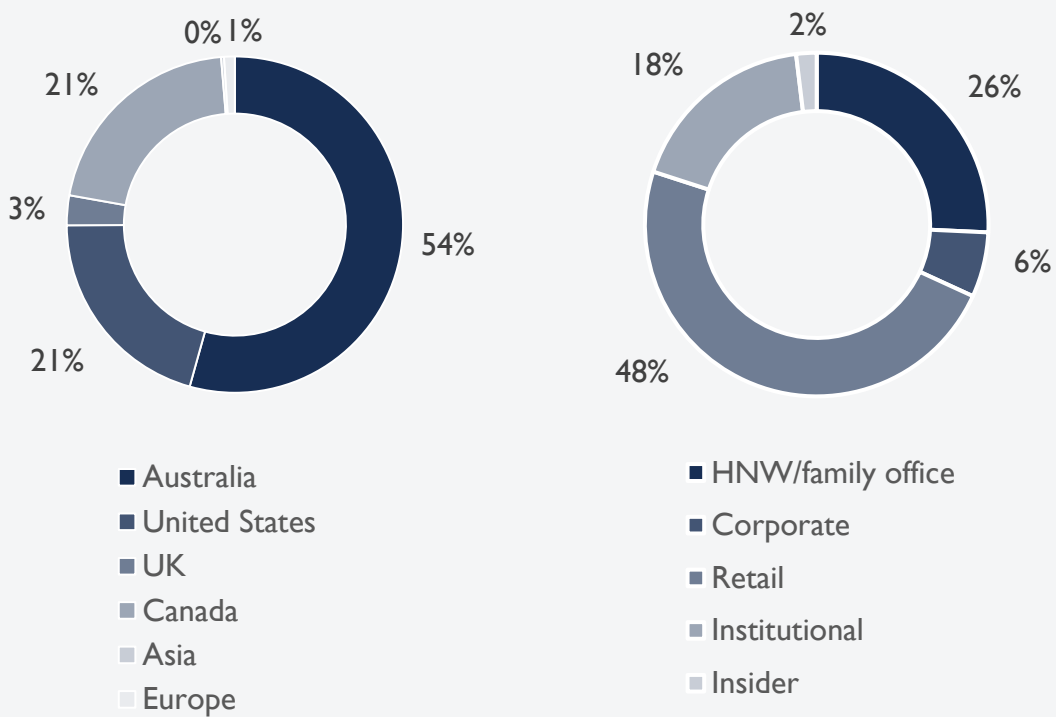


CORPORATE SNAPSHOT

Trading Update



Shareholder Register



CORPORATE SNAPSHOT

Trading Update

Pro-Forma Equity Raise	CAD (m)
Basic Shares Outstanding	141.1
Dilutive Securities	11
Fully Diluted Shares	152.1
Market Cap (as of May 27th) :	\$1,115
Cash (pro forma equity raise, as of April 30th)	\$119
Potential Cash from FDITM Options & other	\$5.4

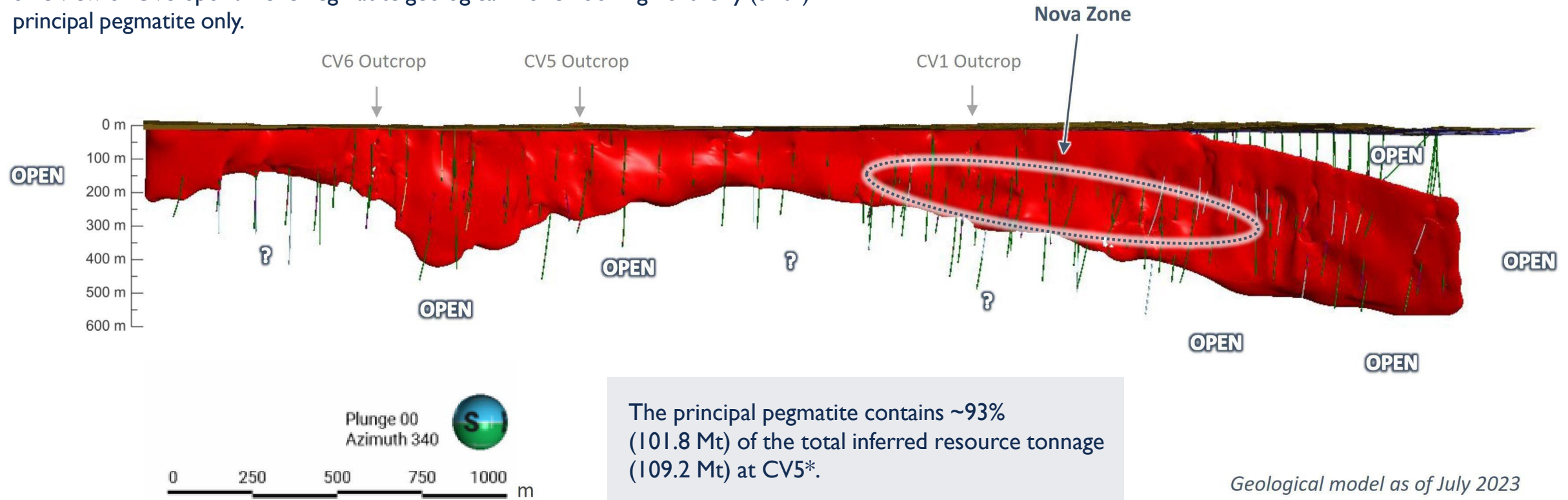
Analyst Coverage



CV5 GEOLOGICAL MODEL

Side View

Side view of CV5 Spodumene Pegmatite geological model looking northerly (340°) — principal pegmatite only.



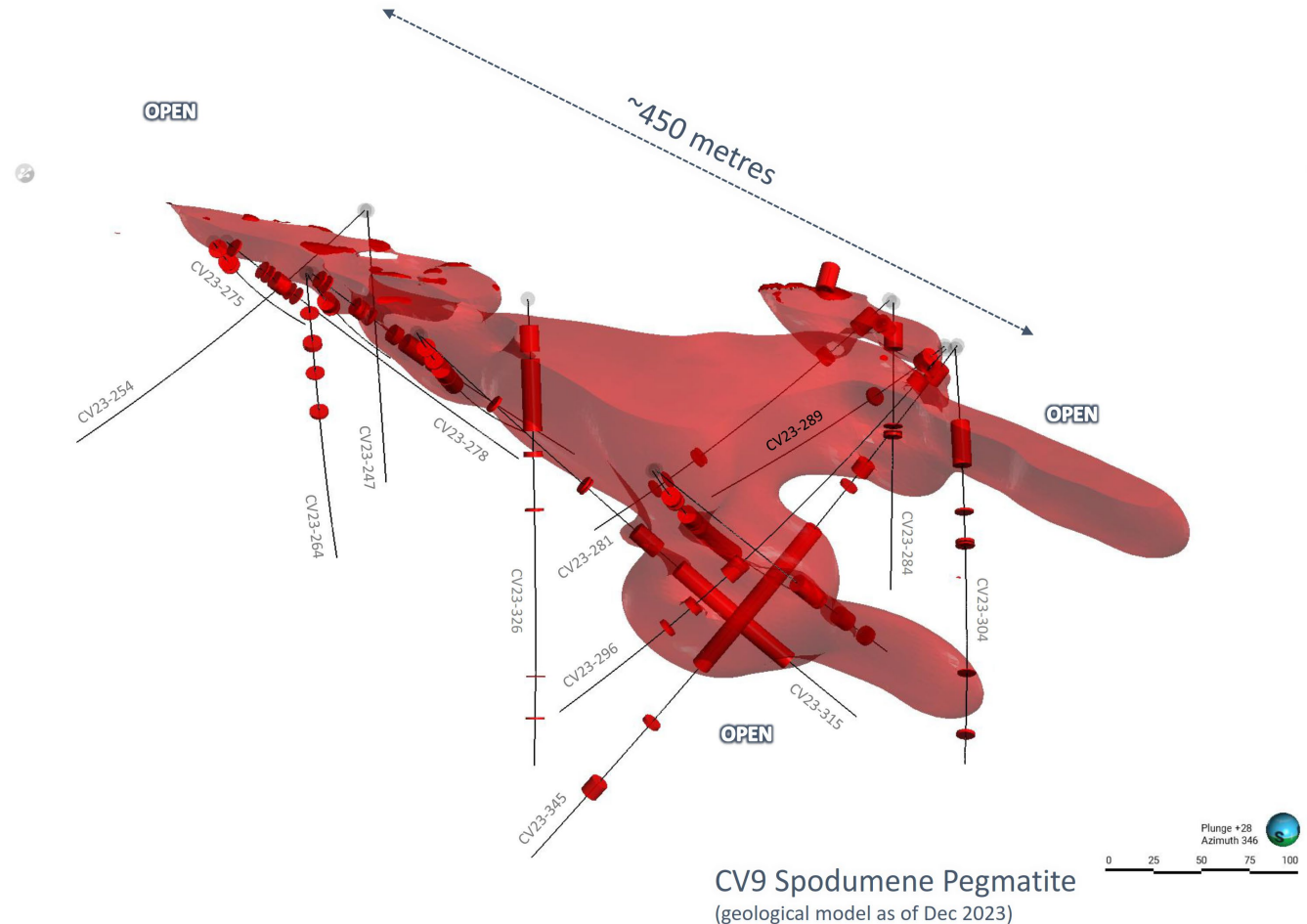
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CV9 SPODUMENE PEGMATITE

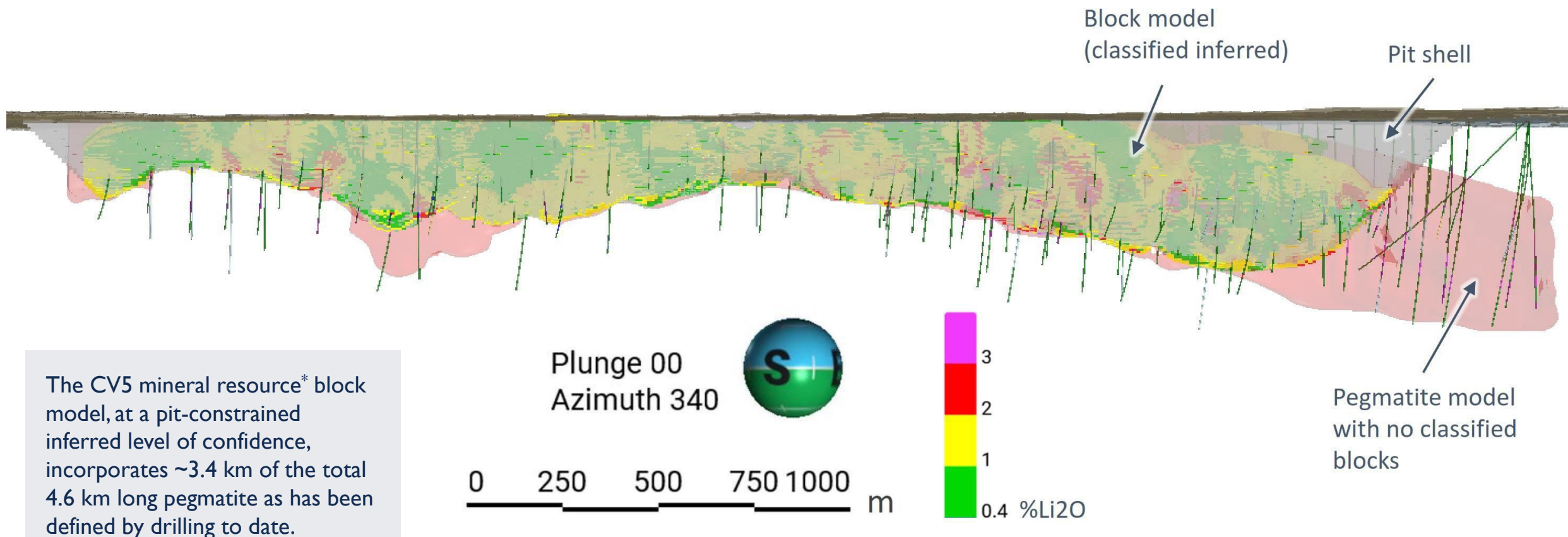
Drilling at CV9

- Wide intervals of variably mineralized spodumene-bearing pegmatite intersected in maiden drill program
 - 99.9 m at 0.39% Li_2O , including 30.6 m at 0.80% Li_2O (CV23-345)
 - 15.7 m at 0.76% Li_2O , including 10.8 m at 1.00% Li_2O (CV23-267)
- The CV9 Pegmatite remains open along strike and at depth, with true widths of <5 m to 80+ m interpreted through drilling, which suggests strong tonnage potential.
- 18 drill holes completed in 2023 at the CV9 Spodumene Pegmatite for a total of 4,071 m.

Visual estimates of mineral abundance should never be considered a proxy or substitute for laboratory analyses where concentrations or grades are the factor of principal economic interest. Refer Spodumene Pegmatite in Appendix, and announcement dated 23 November, 2023 Amended — Patriot Makes New Discovery at Corvette Property.



Pit Constrained Block Model



The CV5 mineral resource* block model, at a pit-constrained inferred level of confidence, incorporates ~3.4 km of the total 4.6 km long pegmatite as has been defined by drilling to date.

*CV5 mineral resource (109.2 Mt at 1.42% Li₂O and 160 ppm Ta₂O₅ inferred) is reported at a cut-off grade of 0.4% Li₂O with effective date of June 25, 2023. Mineral resources are not mineral reserves as they do not have demonstrated economic viability.

Sensitivity Analysis

Cut-off grade sensitivity analysis defines very high-grade and significant tonnage at high cut-off grade, and excellent grade with significant tonnage at low cut-off grade:

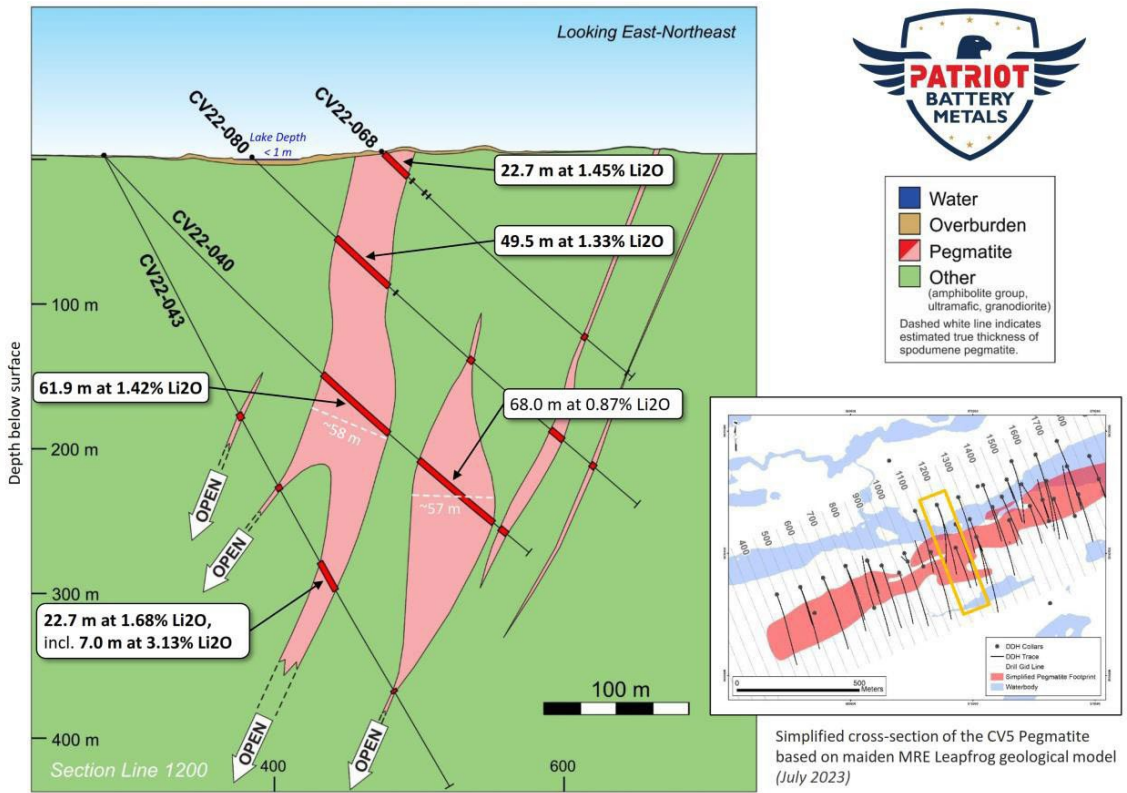
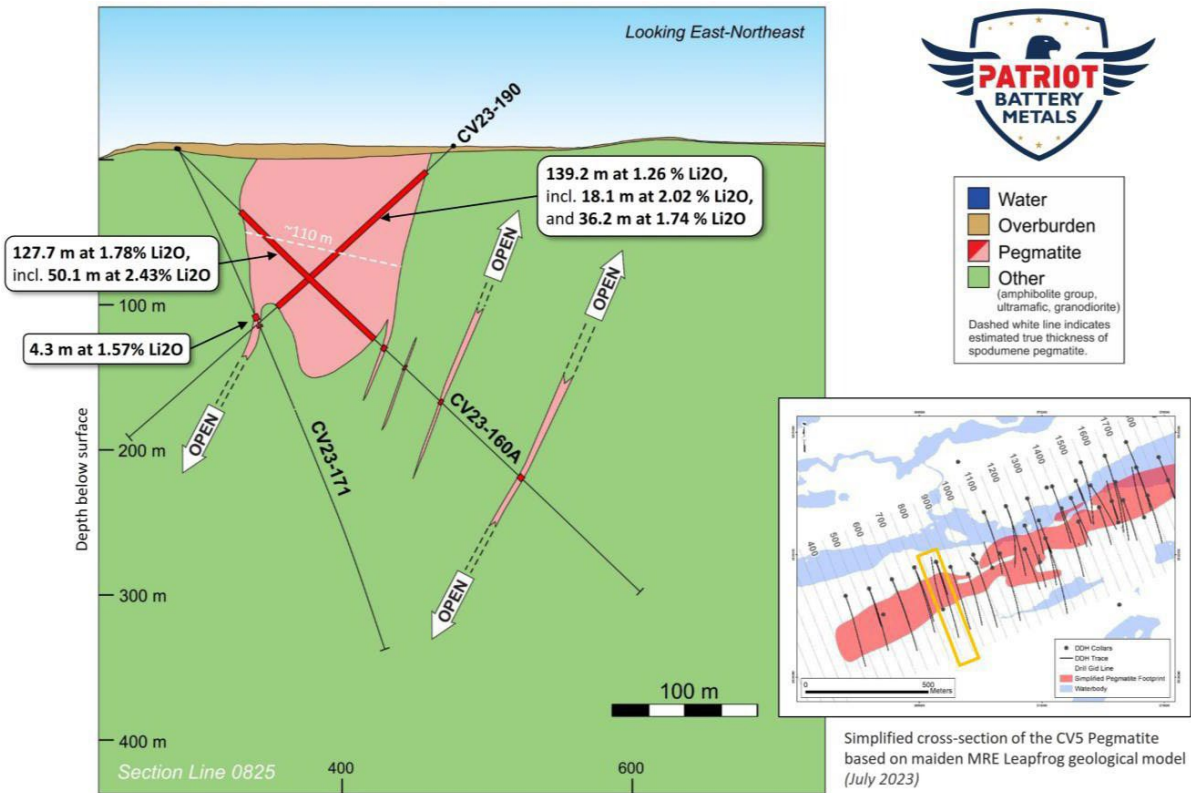
- 46.3 Mt at 2.03% Li₂O inferred (1.40% Li₂O, pit constrained cut-off)
 - **Primarily located within the Nova Zone**
- 123.4 Mt at 1.28% Li₂O inferred (0.10% Li₂O, pit constrained cut-off)

*CV5 mineral resource (109.2 Mt at 1.42% Li₂O and 160 ppm Ta₂O₅ inferred) is reported at a cut-off grade of 0.4% Li₂O with effective date of June 25, 2023. Mineral resources are not mineral reserves as they do not have demonstrated economic viability.

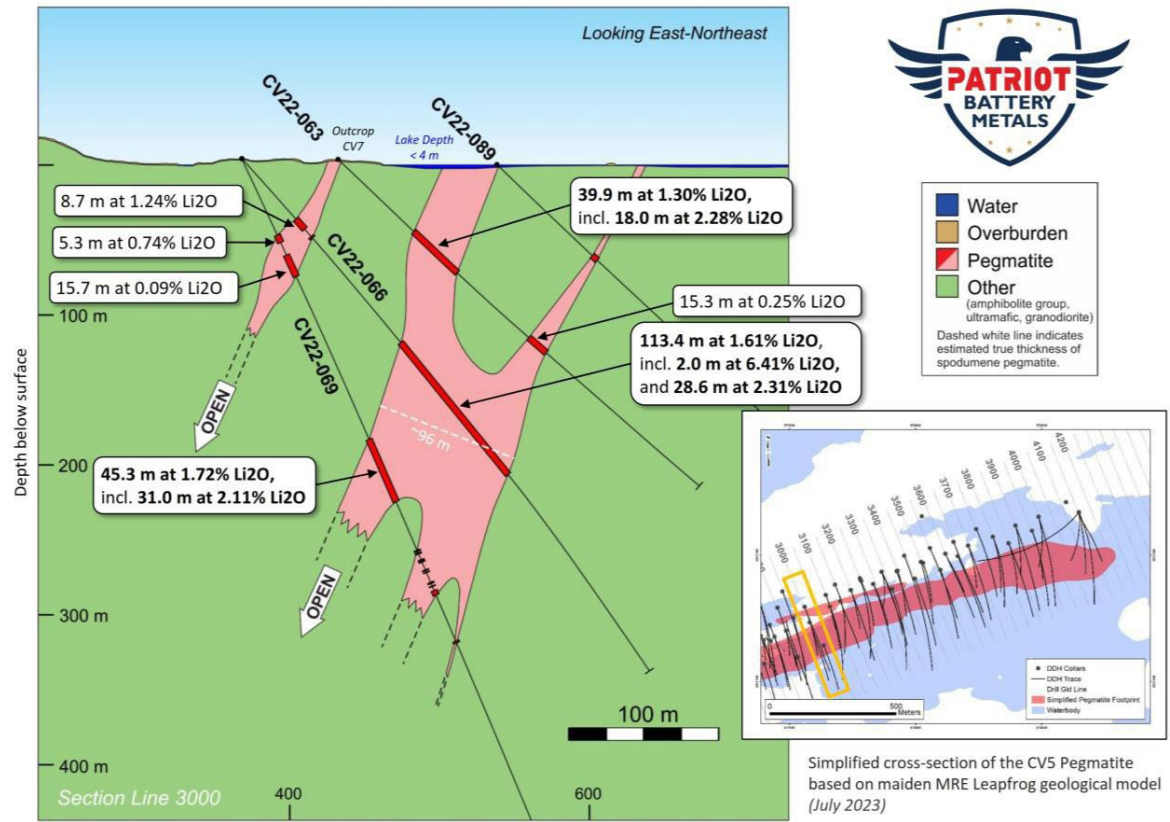
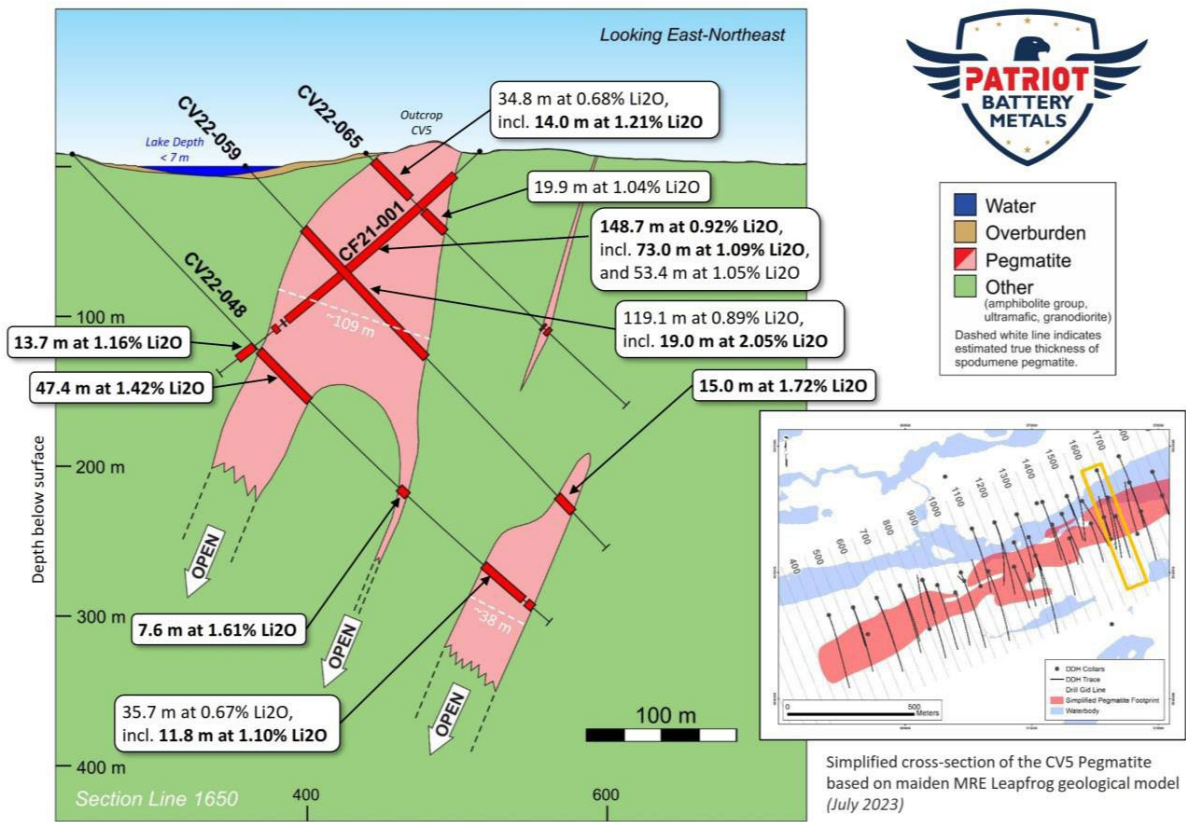
Cut-off Grade Li ₂ O (%)	Classification	Tonnes ≥ Cut-off	Li ₂ O ≥ Cut-off (%)
0.10	Inferred	123,357,000	1.28
0.20	Inferred	116,246,000	1.35
0.30	Inferred	112,215,000	1.39
0.40	Inferred	109,242,000	1.42
0.50	Inferred	106,285,000	1.45
0.60	Inferred	102,461,000	1.48
0.70	Inferred	97,962,600	1.52
0.80	Inferred	92,132,900	1.57
0.90	Inferred	85,223,900	1.63
1.00	Inferred	77,555,100	1.69
1.10	Inferred	69,312,500	1.77
1.20	Inferred	61,176,200	1.85
1.30	Inferred	53,299,900	1.94
1.40	Inferred	46,308,100	2.03
1.50	Inferred	39,970,900	2.13
1.60	Inferred	34,157,600	2.22
1.70	Inferred	29,230,300	2.32
1.80	Inferred	24,956,000	2.42
1.90	Inferred	21,173,700	2.52
2.00	Inferred	18,115,400	2.62

This table should not be interpreted as a mineral resource statement. The data is presented to demonstrate the mineral resources sensitivity to various cut-off grades. The selected cut-off grade for the base case is 0.40% Li₂O with the revenue factor 1 pit shell constraint.

Model Cross-Sections



Model Cross-Sections



Proven Pathway

Canadian Permitting Process

- Formal Federal authorization process (referred to as HADD) managed by the Department of Fisheries & Oceans (“DFO”) to obtain a permit when a fish bearing waterbody is impacted
- Thousands of HADD permits are issued by the DFO annually for a large variety of industries in Canada
- Partially draining the lake to access the CV5 Pegmatite requires a HADD
- There are a number of recent examples of mining companies receiving HADD permits for impacted waterbodies

**Characterize
the lake —
Bathymetry**

**Characterize
the fish and
fish habitat**

**Prepare and
submit an
Offsetting Plan**



The Project Guidelines

Context

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

Choice of location and technology alternatives

- Including cost-benefit analysis where there is significant socio-economic and human impacts

Project description

- 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 Nation workers
- GHG emissions, combating climate change and adaptation
- Information on water diversion (infrastructure planned, quality of water affected, physical and biological characteristics, etc.)
- Rehabilitation and restoration plan

Description of the environment

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

Four basic principles should guide the proponent:

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

The Project Guidelines

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

- Methodology used
- On biophysical environment: water, wetlands, aquatic & terrestrial habitat, fauna, plants, species at risk, soil, change in the landscape, noise and air
- On 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.
- Gradation: avoid – minimise – compensate
- Must include a compensation plan for wetlands, water bodies and fish habitat.

Risk management

- Analysis of the major technological accident risks
- Description of safety and emergency measures

Surveillance and monitoring programs

- Environmental surveillance program (construction, operation, closure and decommissioning): compliance with laws, regulations, permits, ESIA commitments and other commitments.
- Environmental and social monitoring program: verify the accuracy of the assessment of the certain impacts and the effectiveness of the mitigation or compensation measures.

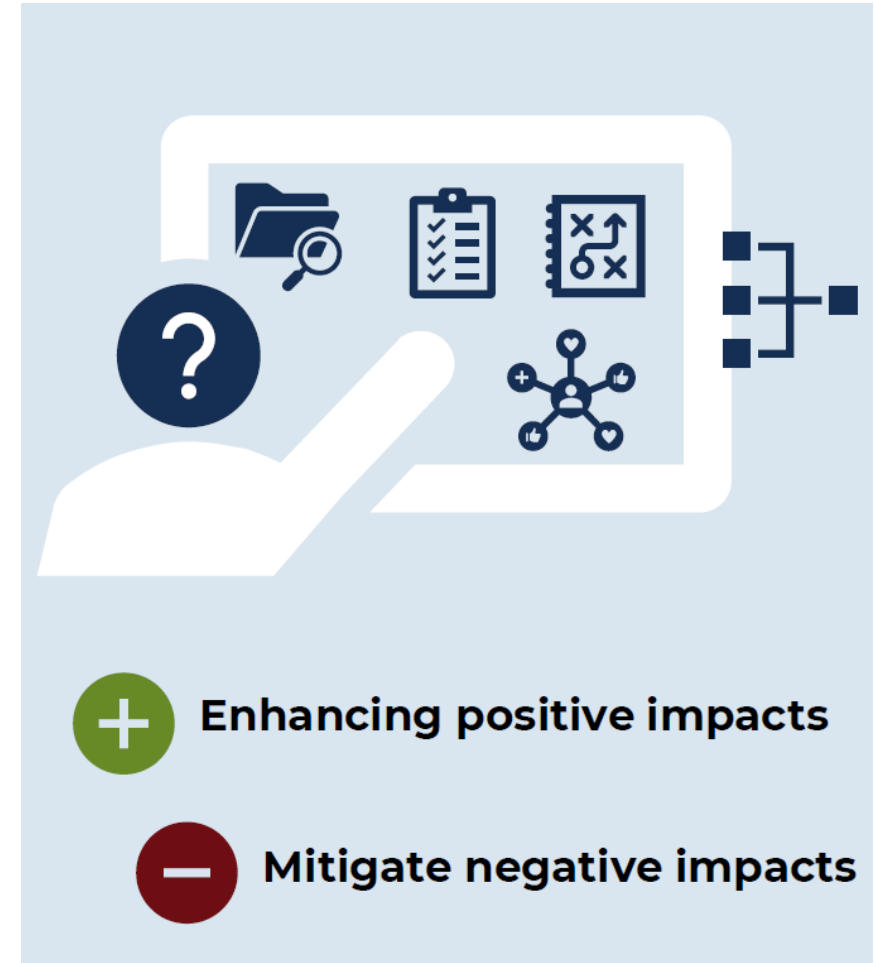
Alternatives Assessment

Subsequent studies (preliminary economic assessment, pre-feasibility and feasibility studies) will:

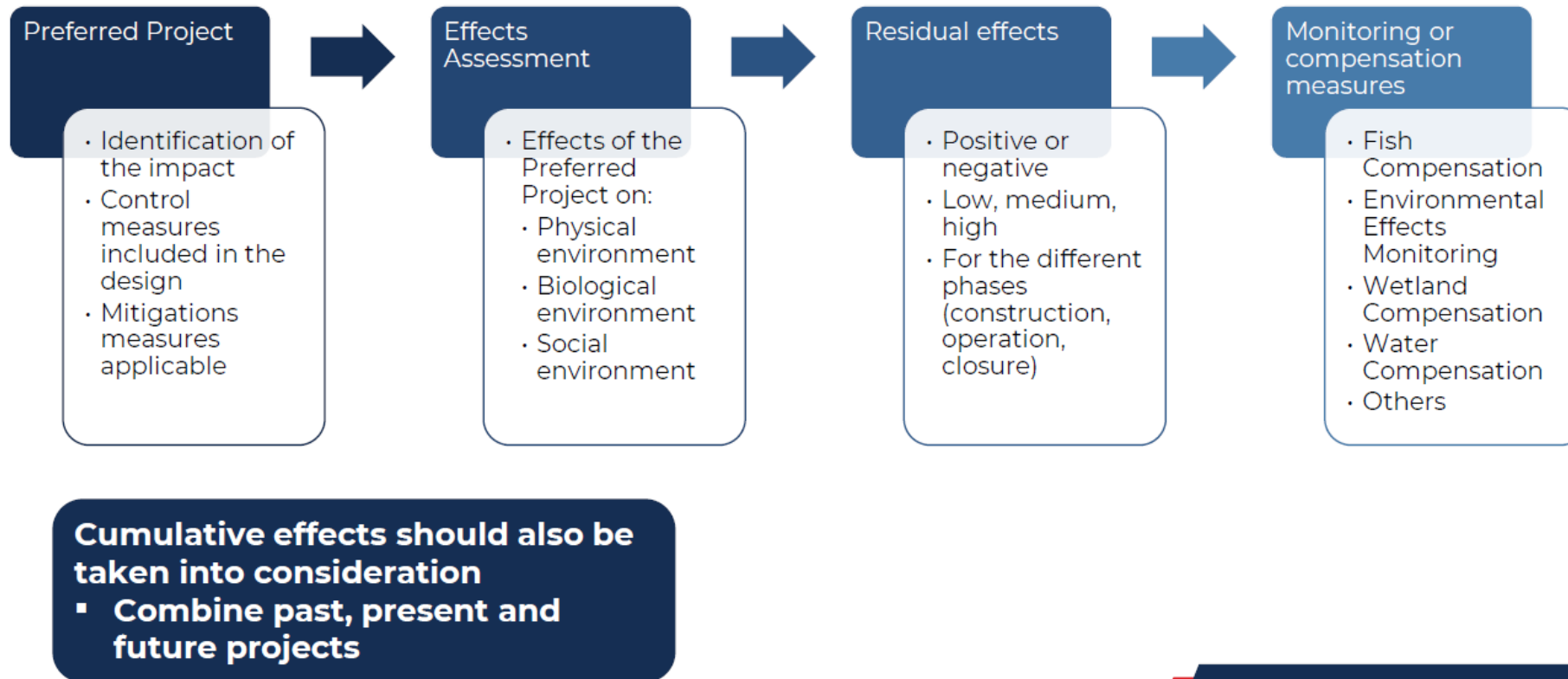
1. Analyze other alternatives, for example:

- Location of the mining infrastructure (ore processing plant and other buildings).
- Location of roads on the mine site.
- Mining waste management technologies and location (waste and tailings).
- Mining extraction technology (open pit, underground or both).
- Ore transportation technology.
- Metallurgical process.
- Water management (contact and non-contact)
- Water diversion from Lake 01.
- Transportation of the concentrate.

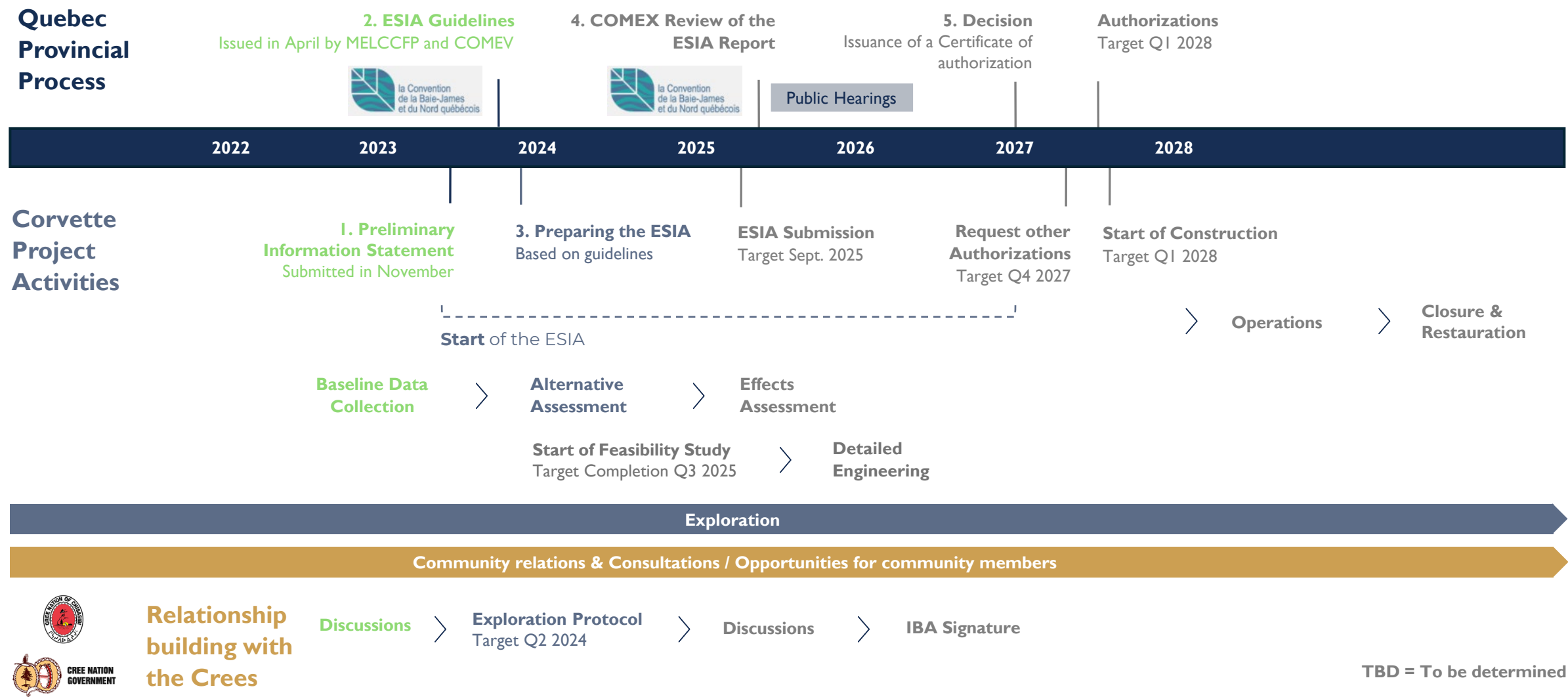
2. Optimize favorable options



Alternatives Assessment



STEPS OF THE ESIA PROCESS



First Nations

James Bay and Northern Quebec Agreement

- Establishes a partnership between the Cree, Inuits, Quebec and Canada
- Gives expression to the inherent Cree right of self-government, providing key support for modern Cree Nation governance
- Cree and Inuits exchanged their rights and territorial interests for other rights and benefits, as specified in the JBNQA.
- JBNQA defines land regime and rights in many areas: resource management, economic development, policing and administration of justice, health and social services and environmental protection.
- JBNQA Contains 31 Sections
 - Section 22: Environment and Future Development Below the 55th Parallel
 - Section 24: Hunting Fishing and Trapping
 - Section 28: Economic and Social Development - Crees
- Subsequently the Crees signed other Agreements with Québec and Canada to implement commitments envisioned in the JBNQA (7 agreements between 2002 and 2020)

PERMITTING

The Impact Benefit Assessment (IBA)

An IBA is an Agreement executed between a project proponent and one or more First Nation, Inuit, or Métis communities. It encourage community members participation in, and support for, the proposed project. The typical chapters of an IBA are:

Education and Training

- For Crees, more particularly Crees from Chisasibi
- Obtain skills, qualifications and expertise
- All phases and at all levels

Employment Opportunities

- For Crees, more particularly Crees from Chisasibi
- All phases and at all levels
- Remove any undue barriers to employment and advancement

Workplace Conditions and Operating Procedures

- Safe and secure working conditions and operating procedures
- Accommodation measures & greater flexibility for Cree employees

Business Opportunities

- For Cree Enterprises, more particularly Chisasibi Crees Enterprises

Environmental Protection

- Mitigation, monitoring and reporting
- Crees to participate in environmental management

Social and Cultural

- Respect, preservation and promotion of the Cree culture
- Social and cultural fund
- Measures do avoid or mitigate social and cultural impacts

Hunting, Fishing and Trapping

- Maintaining and protecting wildlife
- Non-Cree workers restrictions

Financial Participation

- Such other subject-matters as the Parties may agree

All projects authorized on Eeyou Itschee James Bay territory have a signed IBA with the Crees. They need a positive Feasibility Study to negotiate the Financial Matters chapter, and to be signed in parallel of the ESIA

Constitutional Rights for Indigenous Consultation

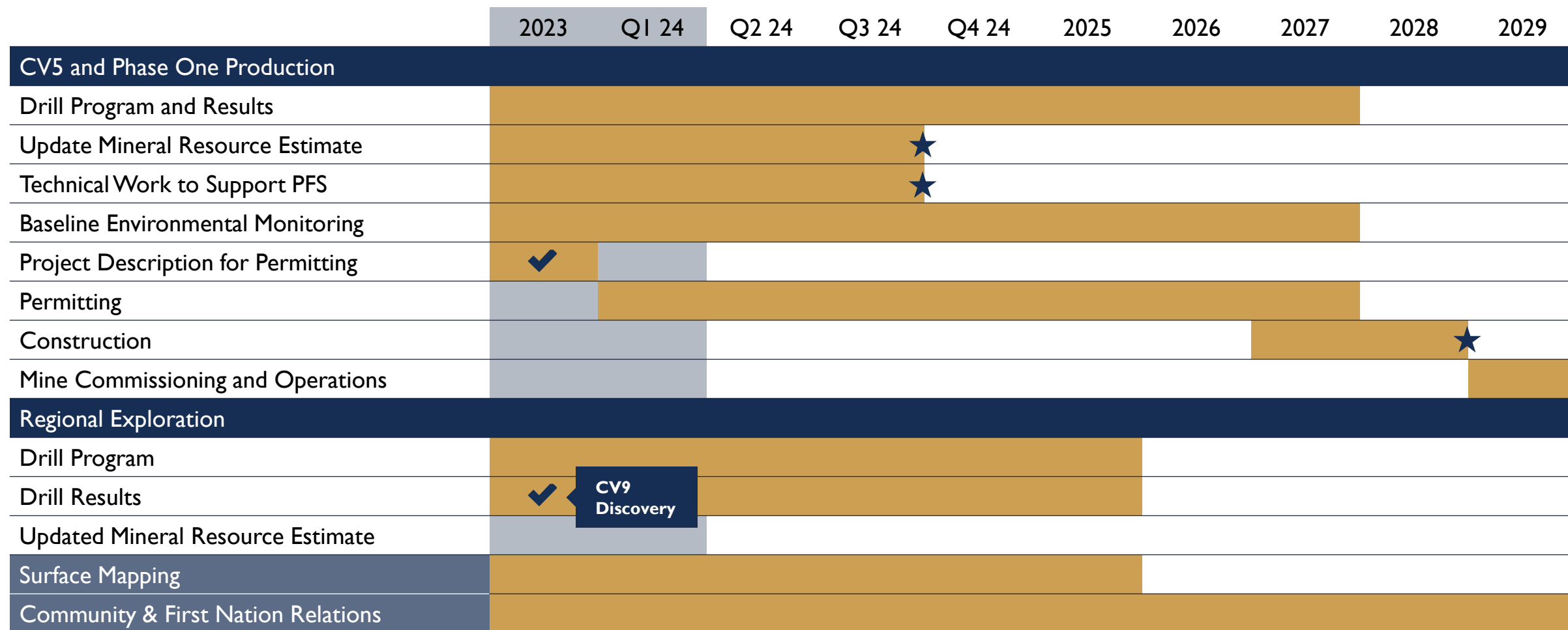
- The Crown has the duty to consult and, where appropriate, accommodate Indigenous groups when it considers conduct that might adversely impact potential or established Aboriginal or treaty rights (derived from section 35 of Canada's Constitution Act, 1982).
 - Aboriginal rights refer to practices, traditions and customs that distinguish the unique culture of each First Nation and were practiced prior to European contact.
 - Treaty rights are rights set out in either a historic or modern treaty agreement. Modern treaties (signed after 1975) include among other things:
 - consultation and participation requirements
 - ownership of lands
 - wildlife harvesting rights
 - financial settlements
 - participation in land use and management in specific areas
 - self-government
 - resource revenue sharing and measures to participate in the Canadian economy
 - preparations for when the agreement takes effect, such as implementation planning

JBNQA:

- signed in 1975
- basic Charter of Cree Rights
- protected by the Constitution of Canada

CATALYSTS

Focus on Execution & Value Creation



Mineral Resource Statement

Cut-off Grade Li ₂ O (%)	Classification	Tonnes (Mt)	Li ₂ O (%)	Ta ₂ O ₅ (ppm)	Contained Li ₂ O (Mt)	Contained LCE (Mt)
0.40	Inferred	109.2	1.42	160	1,551,000	3,835,000

- Mineral resources were prepared in accordance with National Instrument 43-101 — Standards for Disclosure of Mineral Projects (“NI 43-101”) and the CIM Definition Standards (2014). Mineral resources that are not mineral reserves do not have demonstrated economic viability. This estimate of mineral resources may be materially affected by environmental, permitting, legal, title, taxation, sociopolitical, marketing, economic, or other relevant issues
- The independent Competent Person (CP), as defined under JORC, and Qualified Person (QP), as defined by NI 43-101 for this estimate is Todd McCracken, P.Geo., Director — Mining & Geology — Central Canada, BBA Inc
- The Effective Date of the estimate is June 25, 2023 (through drill hole CV23-190)
- Estimation was completed using a combination of ordinary kriging and inverse distance (ID2) in Leapfrog Edge software with dynamic anisotropy search ellipse on specific domains
- Drill hole composites average 1 m in length. Block size is 10 m x 5 m x 5 m with sub-blocking
- Open-pit mineral resources statement is reported at a cut-off grade of 0.4% Li₂O and is based on a spodumene concentrate price of US\$1,500/tonne and an exchange rate of 0.76 CAD/USD
- Rounding may result in apparent summation differences between tonnes, grade, and contained metal content. Tonnage and grade measurements are in metric units
- Conversion factors used: Li₂O = Li x 2.153; LCE (i.e., Li₂CO₃) = Li₂O x 2.473, Ta₂O₅ = Tax 1.221.
- Densities for pegmatite blocks were estimated using a linear regression function (SG = 0.0709 x Li₂O% + 2.6217) derived from 1,408 SG field measurements and Li₂O grade. Non-pegmatite blocks were assigned a fixed SG based on the field measurement median value of their respective lithology

NOTES PEER COMPARISON INFORMATION

Company	Project	Stage	Reserves (Mt LCE)			Resources (Mt LCE) — Inclusive of Reserves				Information Source(s)
			Proven	Probable	Total Reserves	Measured	Indicated	Inferred	Total Resources	
AVZ Minerals	Manono (75%)	Feasibility	2.0	2.0	4.0	3.1	5.3	3.9	12.3	AVZ Minerals June 2022 Quarterly Activities Report; ASX Announcement dated May 24, 2021
Azure Minerals	Andover (60%)	Pre-Resource	—	—	—	—	—	—	—	ASX Announcement dated March 29, 2022
Core Lithium	Finniss	Producing	0.2	0.2	0.4	0.2	0.5	0.3	1.0	ASX Announcement dated October 27, 2023
Critical Elements	Rose	Feasibility	—	0.6	0.6	—	0.7	0.0	0.7	Critical Elements August 2023 Updated Feasibility Study
Frontier Lithium	PAK	Pre-Feas	—	0.8	0.8	0.1	1	1.1	2.2	Frontier Lithium Press Release dated May 31, 2023
Liontown	Kathleen Valley	Construction	0.1	2.2	2.3	0.6	3.8	0.9	5.3	ASX Announcement dated November 11, 2021
Liontown	Buldania	Resource	—	—	—	—	0.2	0.1	0.4	ASX Announcement dated November 8, 2019
MinRes	Wodgina (40%)	Producing	0.01	2.3	2.3	—	2.6	0.5	3.1	ASX Announcement dated September 22, 2023
MinRes	Mt Marion (50%)	Producing	0.00	0.6	0.6	—	0.7	0.4	1.1	ASX Announcement dated September 22, 2023
Piedmont	Carolina	Feasibility	—	0.5	0.5	—	0.8	0.4	1.2	Piedmont Lithium Press Release dated December 14, 2021
Piedmont	NAL (25%)	Producing	0.01	0.1	0.1	0.01	0.2	0.3	0.4	Sayona Mining ASX Announcement dated April 14, 2023
Piedmont	Authier (25%)	Producing	0.04	0.04	0.1	0.04	0.1	0.02	0.1	Authier Lithium Project Updated DFS dated October 2019; Sayona Mining 2022 Half-Year Report
Pilbara Minerals	Pilgangoora	Producing	0.7	5.7	6.2	0.7	8.9	2.0	11.9	ASX Announcement dated August 24, 2023
Pilbara Minerals	Altura	Restart	0.2	0.8	1.0	0.2	0.9	0.1	1.2	Altura Mining 2019 Annual Report
Sayona Mining	NAL (75%)	Producing	0.02	0.4	0.4	0.02	0.6	0.8	1.3	ASX Announcement dated April 14, 2023
Sayona Mining	Authier (75%)	Producing	0.1	0.1	0.2	0.1	0.2	0.1	0.3	Authier Lithium Project Updated DFS dated October 2019; Sayona Mining 2022 Half-Year Report
Sayona Mining	Moblan (60%)	Feasibility	0.1	0.1	0.2	0.1	0.8	0.3	1.2	ASX Announcement dated April 17, 2023
Sigma Lithium	Grota do Cirilo	Ramp-Up	1.0	1.0	1.9	1.3	1.4	0.3	3.0	Sigma Lithium Press Release dated January 19, 2023
Patriot Battery	CV5	Resource	—	—	—	—	—	3.8	3.8	Patriot Battery Metals Press Release dated July 30, 2023

Note: Lithium reserves & resources only; shown on an attributable basis. Estimates may have been prepared under different estimation and reporting regimes and may not be directly comparable. Patriot Battery Metals accepts no responsibility for the accuracy of peer reserves & resource data as presented. Details on the tonnes, category, grade, and cut-off for mineral resources and/or reserves of each company noted herein are found within the respective information source link provided.