UNLOCKING NORTH AMERICA'S

# Next Lithium District

Future Facing Commodities Conference, 2024

TSX: PMET | ASX: PMT | OTCQX: PMETF | FWB: R9GA

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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/COMPENTENT 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.

# Patriot Battery Metals 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 northern 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.

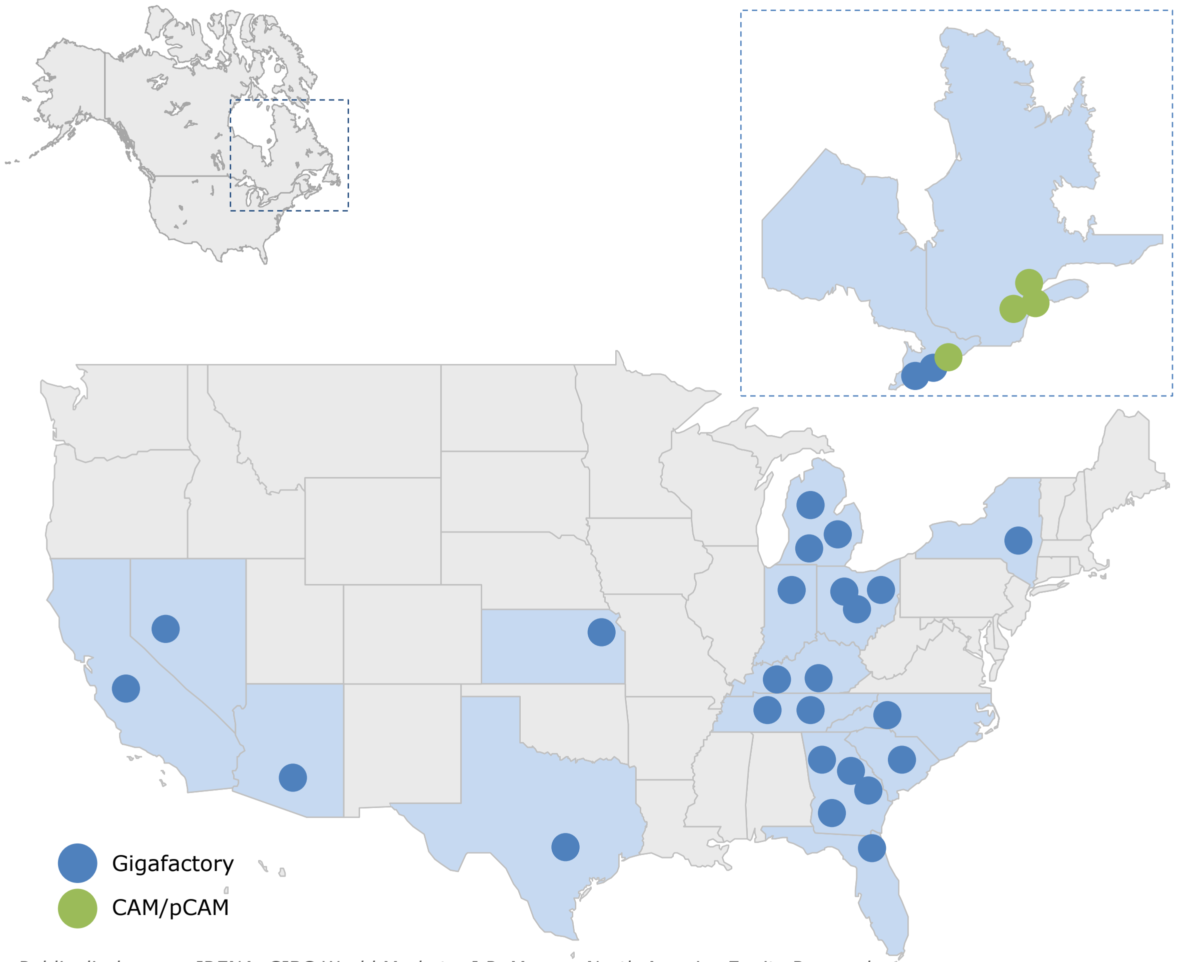
**Cash reserves of C$106M at FQ3** to execute exploration, technical studies, and environmental permitting process.

**Targeted production timeline aligned with the downstream capacity needs of North America.**

**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.*

# North American Downstream Landscape

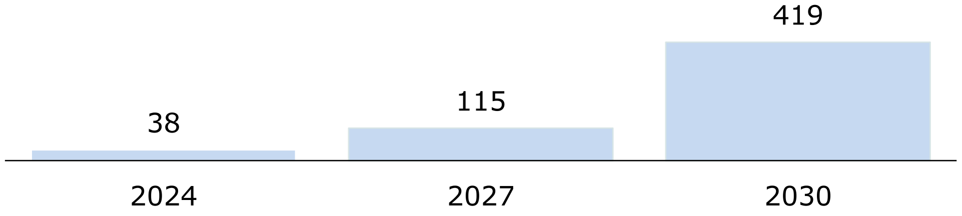
## Select Downstream Plants in Canada and USA




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

## North American Lithium Market

***Lithium Supply (kt LCE)***




***Downstream Demand***

**2027 Battery Manufacturing Capacity ~700GWh**

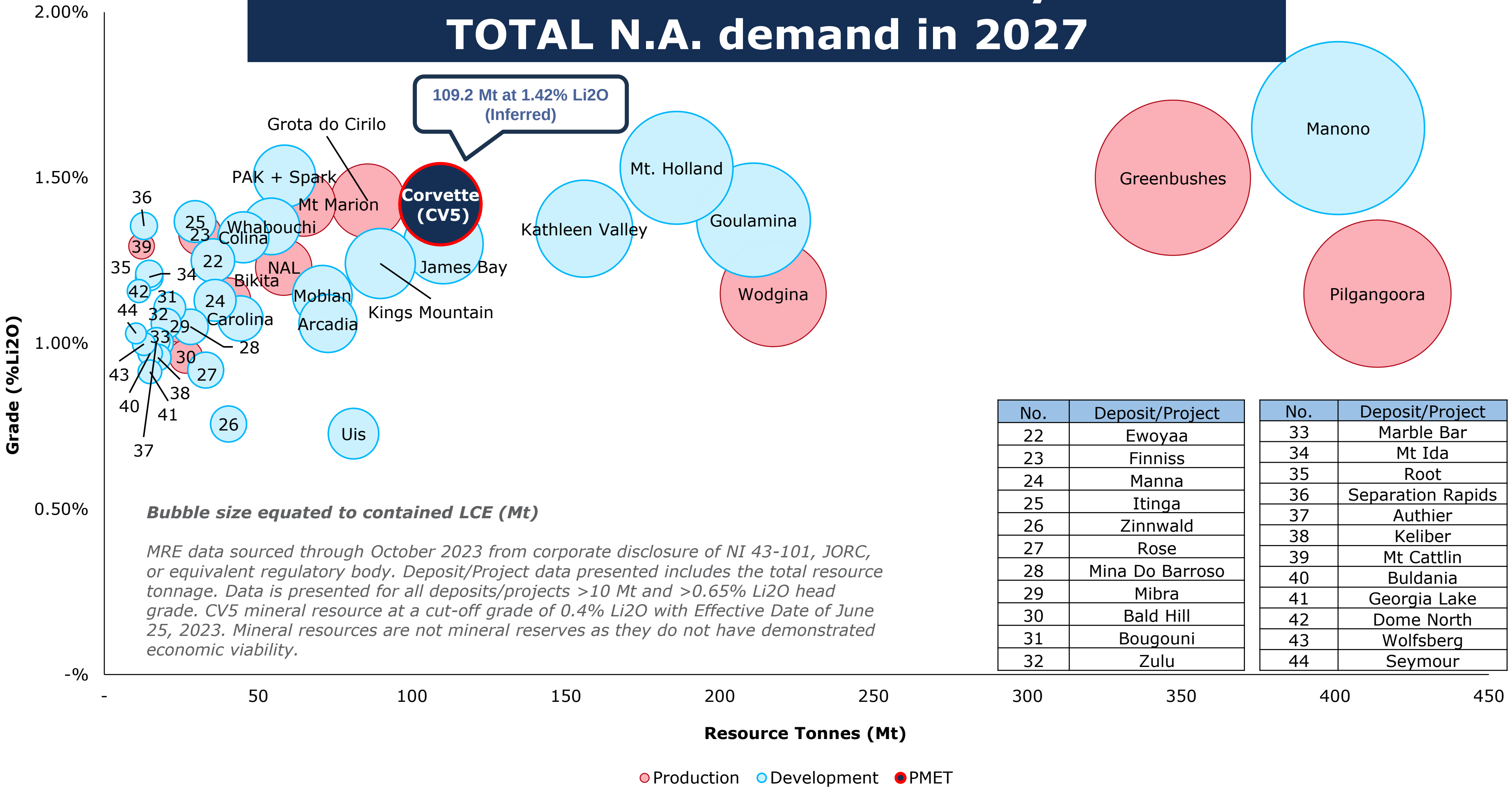
**Implies up to ~477kt of lithium carbonate equivalent demand**

***Select OEMs***

| Tesla | GM | Ford |
|---|---|---|
| 4 plants planned **199 GWh** | 4 plants planned **165 GWh** | 3 plants planned **164 GWh** |

# CV5 Mineral Resource Estimate*: Large, High-Grade

**3.8M tons of LCE resource ≈ 8 years of TOTAL N.A. demand in 2027**




*MRE data sourced through October 2023 from corporate disclosure of NI 43-101, JORC, or equivalent regulatory body. Deposit/Project data presented includes the total resource tonnage. Data is presented for all deposits/projects >10 Mt and >0.65% Li2O head grade. CV5 mineral resource 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.*

| No. | Deposit/Project |
|---|---|
| 22 | Ewoyaa |
| 23 | Finniss |
| 24 | Manna |
| 25 | Itinga |
| 26 | Zinnwald |
| 27 | Rose |
| 28 | Mina Do Barroso |
| 29 | Mibra |
| 30 | Bald Hill |
| 31 | Bougouni |
| 32 | Zulu |

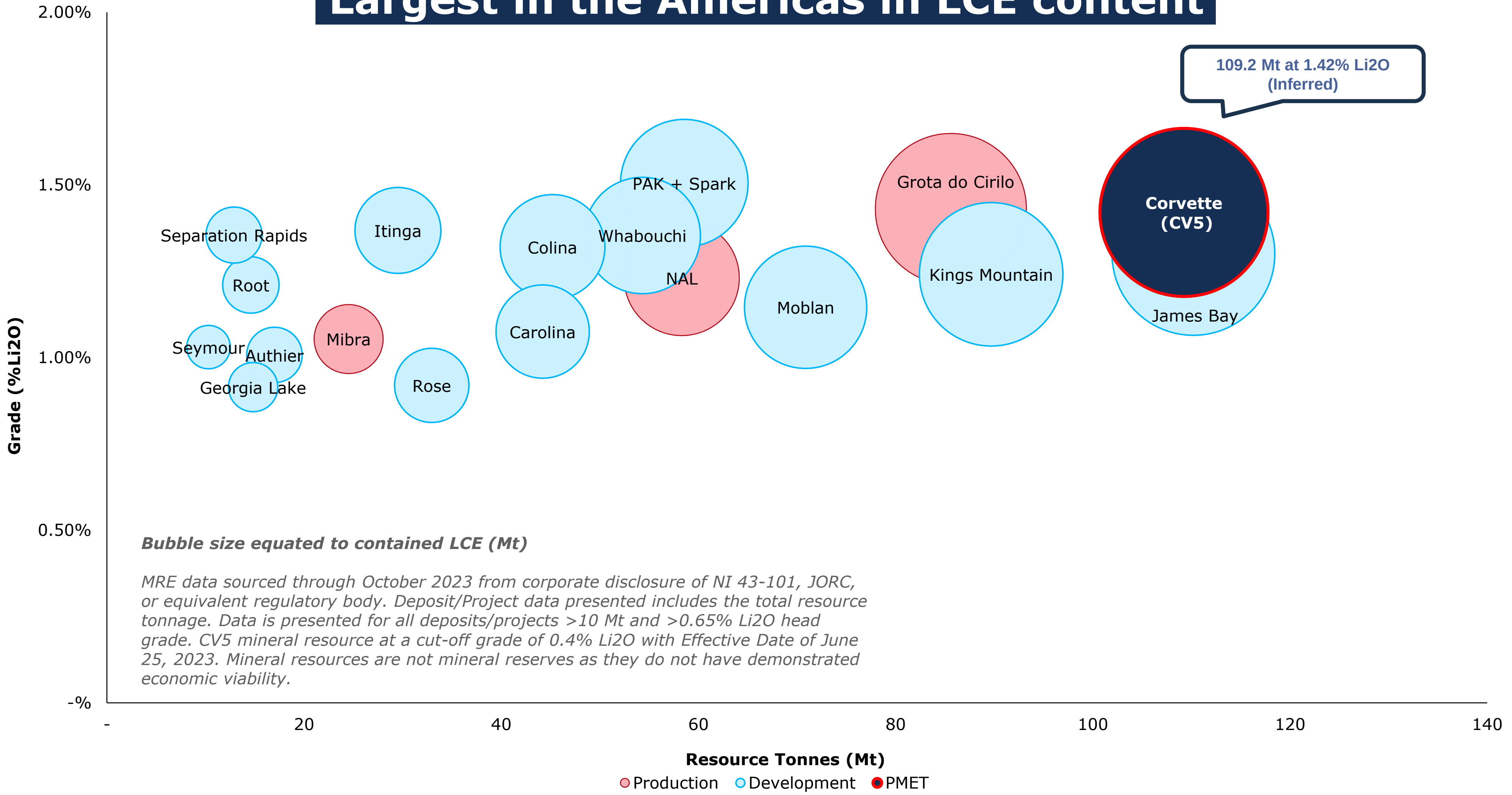
| No. | Deposit/Project |
|---|---|
| 33 | Marble Bar |
| 34 | Mt Ida |
| 35 | Root |
| 36 | Separation Rapids |
| 37 | Authier |
| 38 | Keliber |
| 39 | Mt Cattlin |
| 40 | Buldania |
| 41 | Georgia Lake |
| 42 | Dome North |
| 43 | Wolfsberg |
| 44 | Seymour |

| 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 |

**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. 8th largest in the world based on contained LCE.*

# CV5 Mineral Resource Estimate*: Large, High-Grade

## Largest in the Americas in LCE content

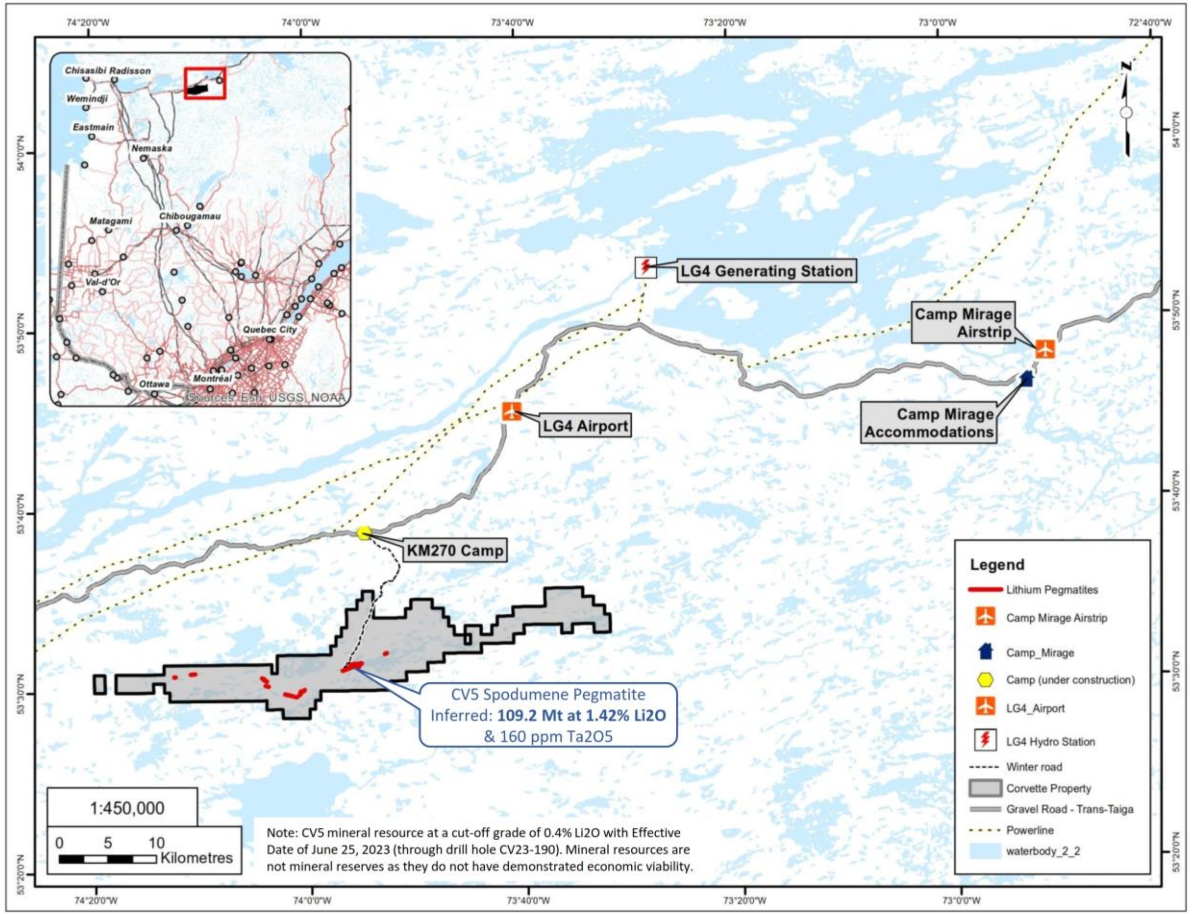



**CV5 mineral resource (109.2 Mt at 1.42% $Li_2O$ and 160 ppm $Ta_2O_5$ inferred) is reported at a cut-off grade of 0.4% $Li_2O$ with effective date of June 25, 2023. Mineral resources are not mineral reserves as they do not have demonstrated economic viability. Largest in the Americas based on contained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

# Top Tier Mining Jurisdiction near Infrastructure

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

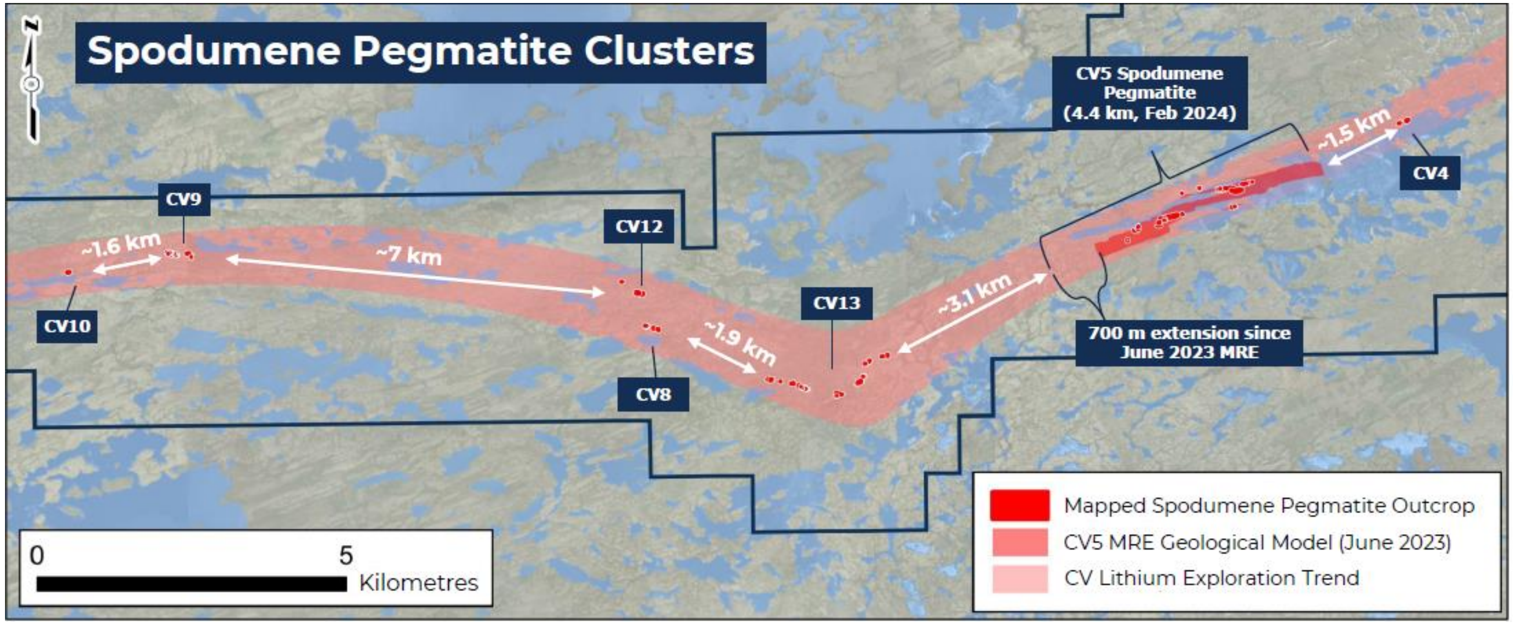
- ~13 km from all-weather road access
- ~14 km from existing hydropower lines
- ~50 km from La Grande-4 hydropower station
  - Access to green power allows for potential to produce low-carbon emissions lithium in the future

# Corvette Property: 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 4.4 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**

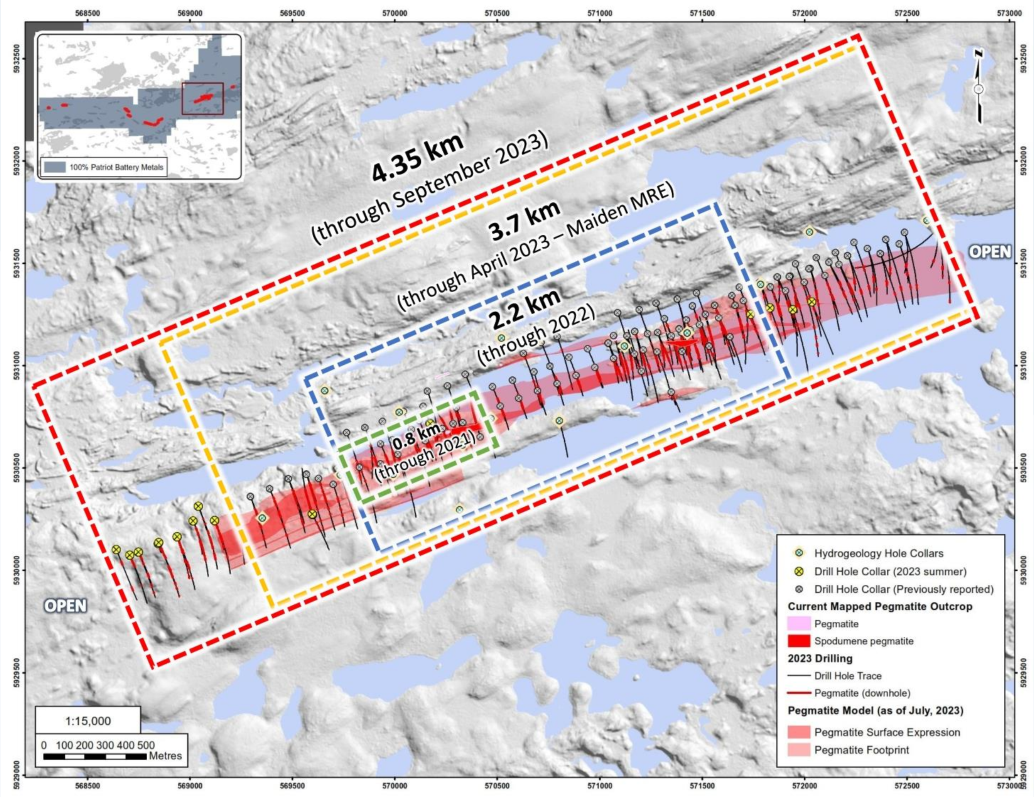
(largest lithium pegmatite in the Americas and 8th largest globally)

**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.*

# CV5 Mineral Resource Estimate*

## 109.2 Mt at 1.42% Li2O, Inferred

- Geological model interprets a **single, continuous, principal pegmatite body resulting in easier mining methods, lower costs.**
- **An economically viable deposit that size could feed multiple Gigafactories for decades or one for generations.**
- Current resource estimate includes **only the CV5 Spodumene Pegmatite, or 4.4 km out of the 50 km land package,** with other pegmatites representing upside that remains to be explored.




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

**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. Refer to Mineral Resource Statement in Appendix. Largest lithium pegmatite in the Americas and 8th largest in the world based on contained LCE.*

# Why Patriot Battery Metals?

**CV5 Mineral Resource*: Largest in the Americas and 8th Largest Globally**

**Corvette Property: District-Scale Lithium Potential**

**Consistent, Large Spodumene Crystals**

**Simple Processing with High Recoveries**

**High-Growth Potential**

**Value-Driven Catalysts Planned Throughout 2024 and 2025**

**CV5 mineral resource (109.2 Mt at 1.42% Li2O and 160 ppm Ta2O5 inferred) is reported at a cut-off grade of 0.40% 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.*

# Thank you.

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# Appendix

# CV5 Maiden Mineral Resource Statement

| Cut-off Grade $Li_2O$ (%) | Classification | Tonnes (Mt) | $Li_2O$ (%) | $Ta_2O_5$ (ppm) | Contained $Li_2O$ (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% $Li_2O$ 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: $Li_2O$ = Li x 2.153; LCE (i.e., $Li_2CO_3$) = $Li_2O$ x 2.473, $Ta_2O_5$ = Ta x 1.221.
- Densities for pegmatite blocks were estimated using a linear regression function (SG = 0.0709 x $Li_2O$% + 2.6217) derived from 1,408 SG field measurements and $Li_2O$ 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.*