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UNLOCKING NORTH AMERICA'S

Next Lithium District

Euroz Hartleys Rottnest Island Institutional Investor Conference, 2024

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

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FORWARD-LOOKING ASSUMPTIONS/ESTIMATES in this presentation reflects Patriot Battery Metals’ current views with respect to future events and are necessarily based upon a number of assumptions and estimates that, while considered reasonable by Patriot Battery Metals, are inherently subject to significant business, economic, competitive, political and social uncertainties and contingencies. Many factors, both known and unknown, could cause actual results, performance or achievements to be materially different from the results, performance or achievements that are or may be expressed or implied by such forward-looking information contained in this presentation and documents incorporated by reference, and we have made assumptions based on or related to many of these factors. Such factors include, without limitation: fluctuations in spot and forward markets for metals and certain other commodities (such as natural gas, fuel oil and electricity); restrictions on mining in the jurisdictions in which Patriot Battery Metals operates; laws and regulations governing our operation, exploration and development activities; its ability to obtain or renew the licenses and permits necessary for the operation and expansion of its existing operations and for the development, construction and commencement of new operations; risks and hazards associated with the business of mineral exploration, development and mining (including environmental hazards, potential unintended releases of contaminants, industrial accidents, unusual or unexpected geological or structural formations, pressures, cave-ins and flooding); inherent risks associated with tailings facilities, including failure or leakages; the speculative nature of mineral exploration and development; the inability to determine, with certainty, production and cost estimates; inadequate or unreliable infrastructure (such as roads, bridges, power sources and water supplies); environmental regulations and legislation; the effects of climate change, extreme weather events, water scarcity, and seismic events, and the effectiveness of strategies to deal with these issues; risks relating to Patriot Battery Metals’ exploration operations; 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/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

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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

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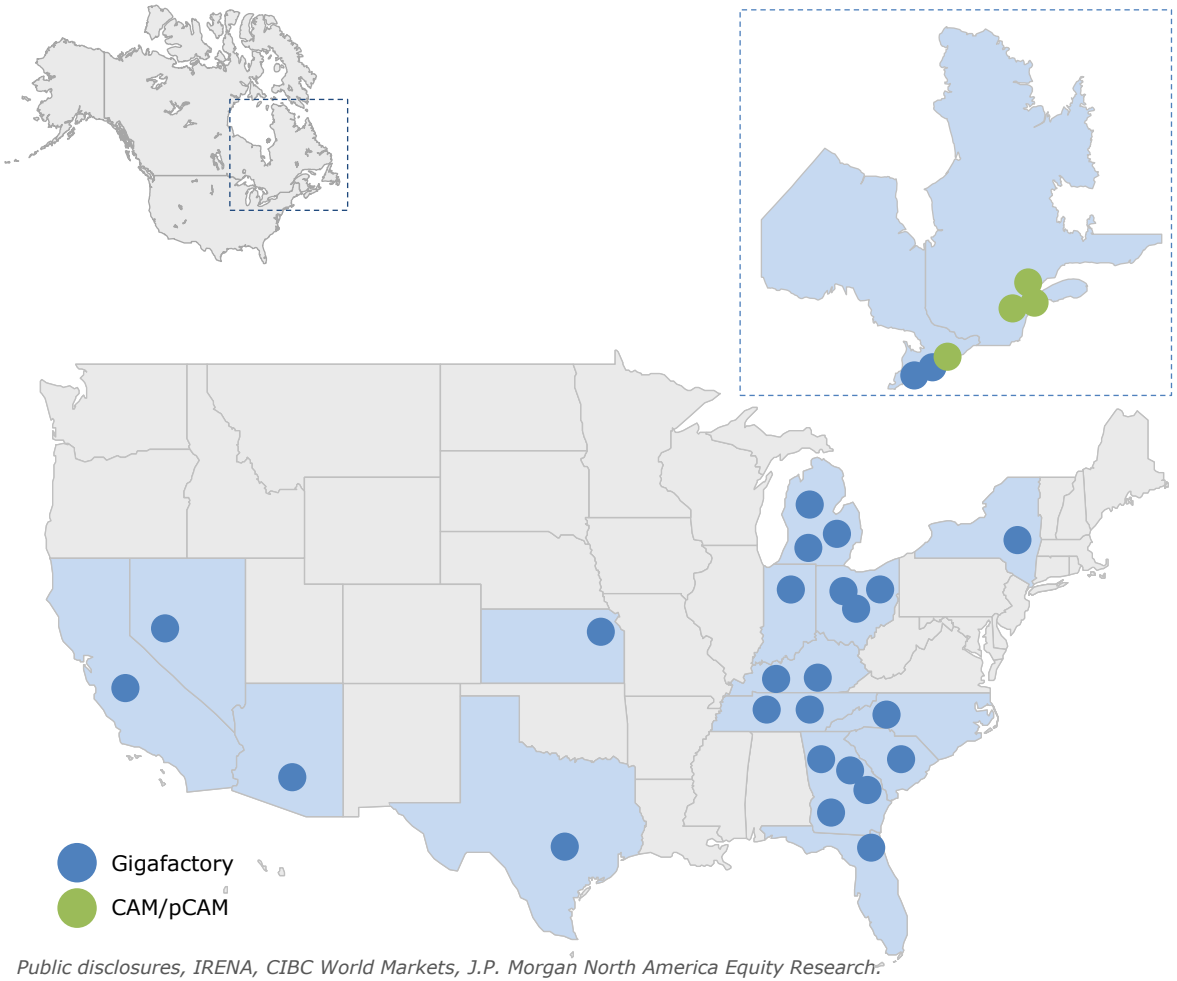
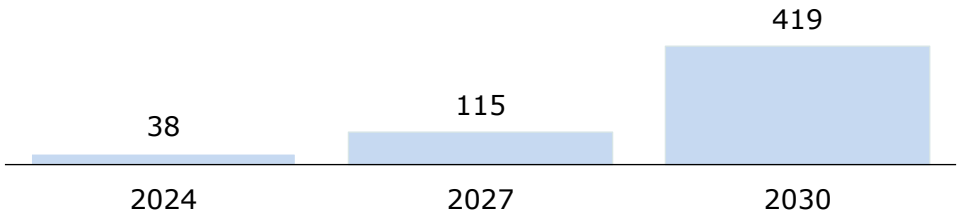
Select Downstream Plants in Canada and USA



North American Lithium Market

Lithium Supply (kt LCE)



Downstream Demand

2027 Battery Manufacturing Capacity ~700GWh

Implies up to ~477kt of lithium carbonate equivalent demand

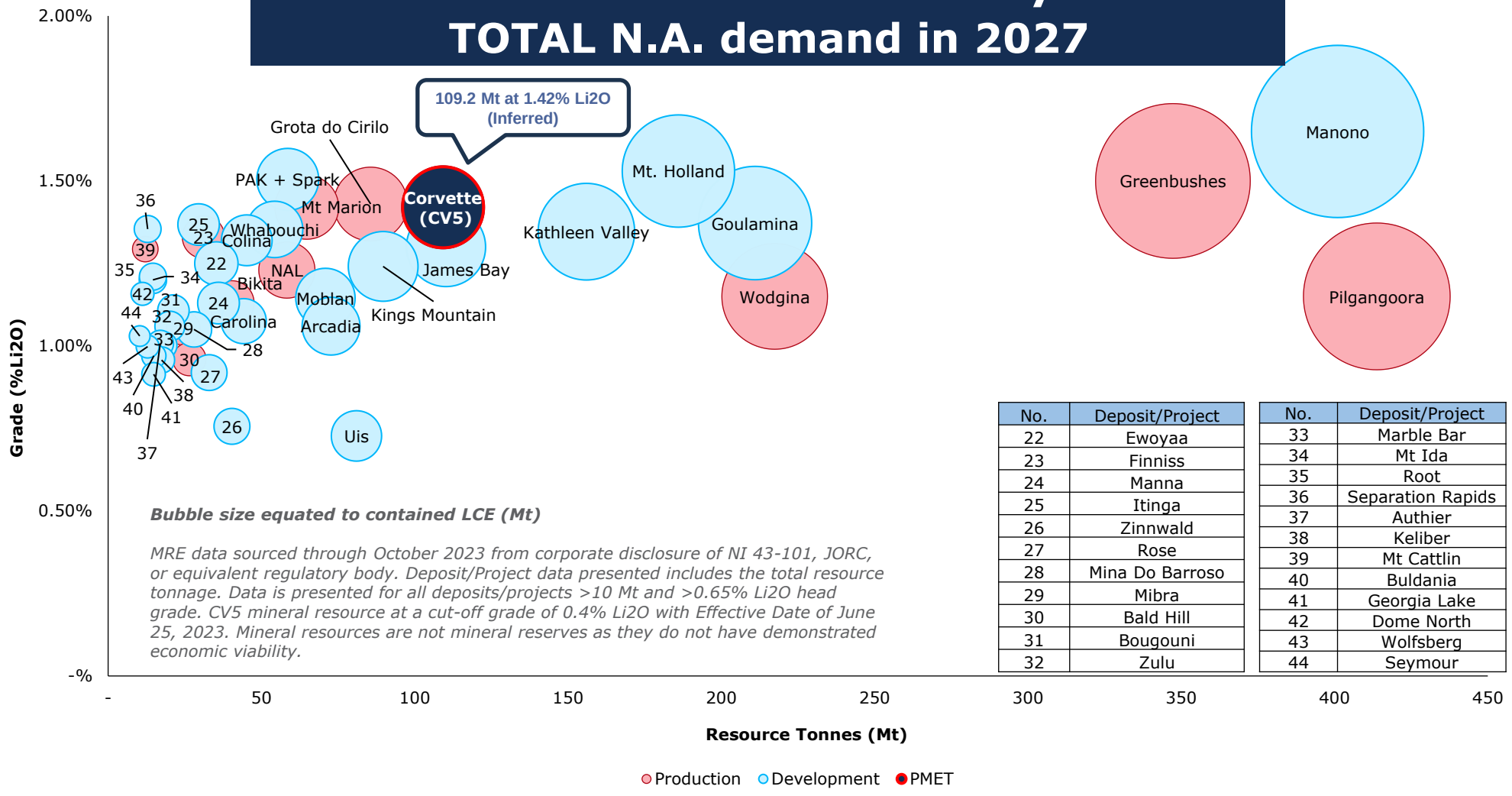
Select OEMs

TESLA	gm	Ford
4 plants planned **199 GWh**	4 plants planned **165 GWh**	3 plants planned **164 GWh**

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

CV5 Mineral Resource Estimate*: Large, High-Grade

3.8M tons 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

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

Bubble size equated to contained LCE (Mt)

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.

**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.*

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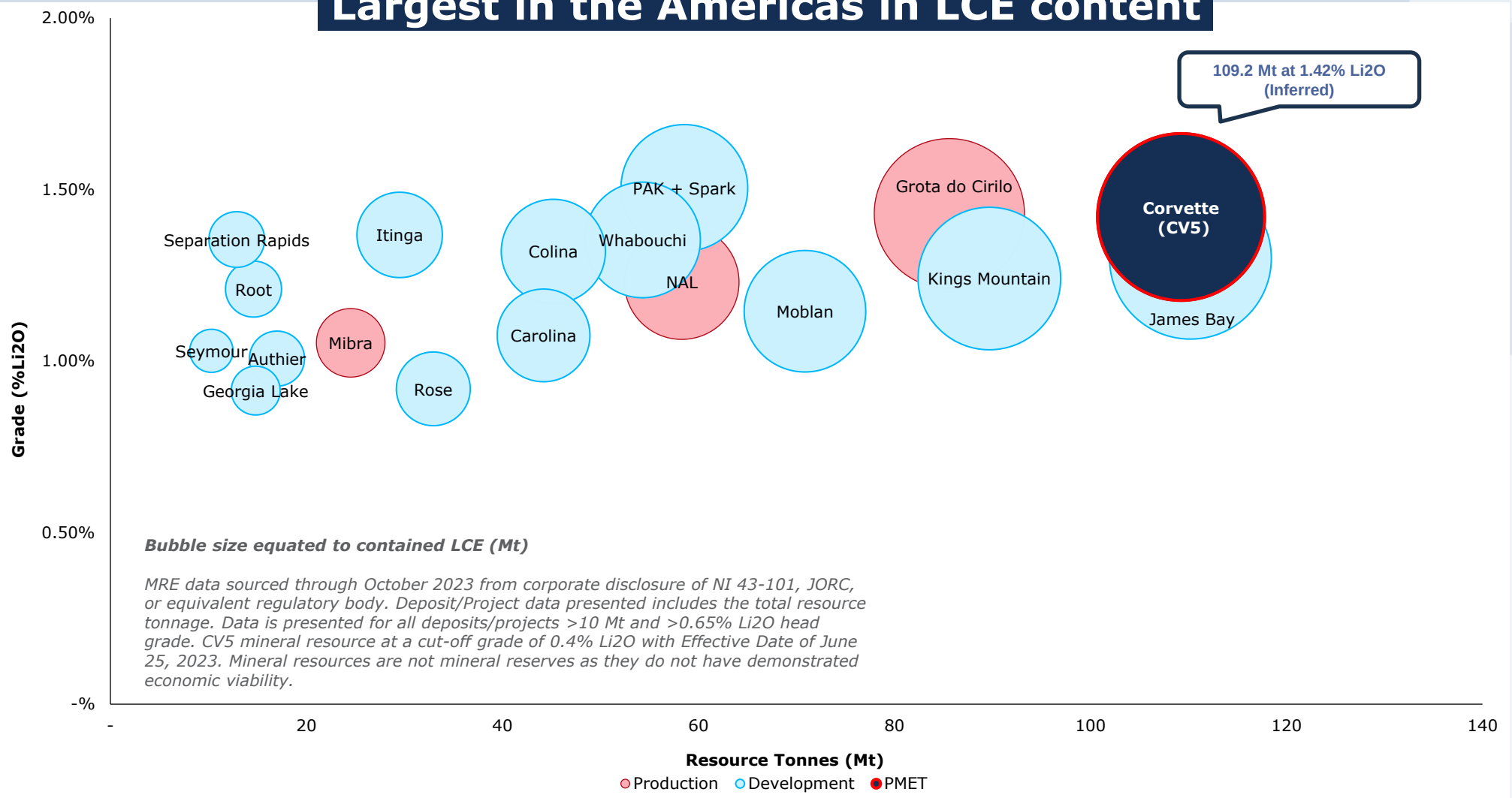
CV5 Mineral Resource Estimate*: Large, High-Grade

Largest in the Americas in LCE content



Bubble size equated to contained LCE (Mt)

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Top Tier Mining Jurisdiction near Infrastructure

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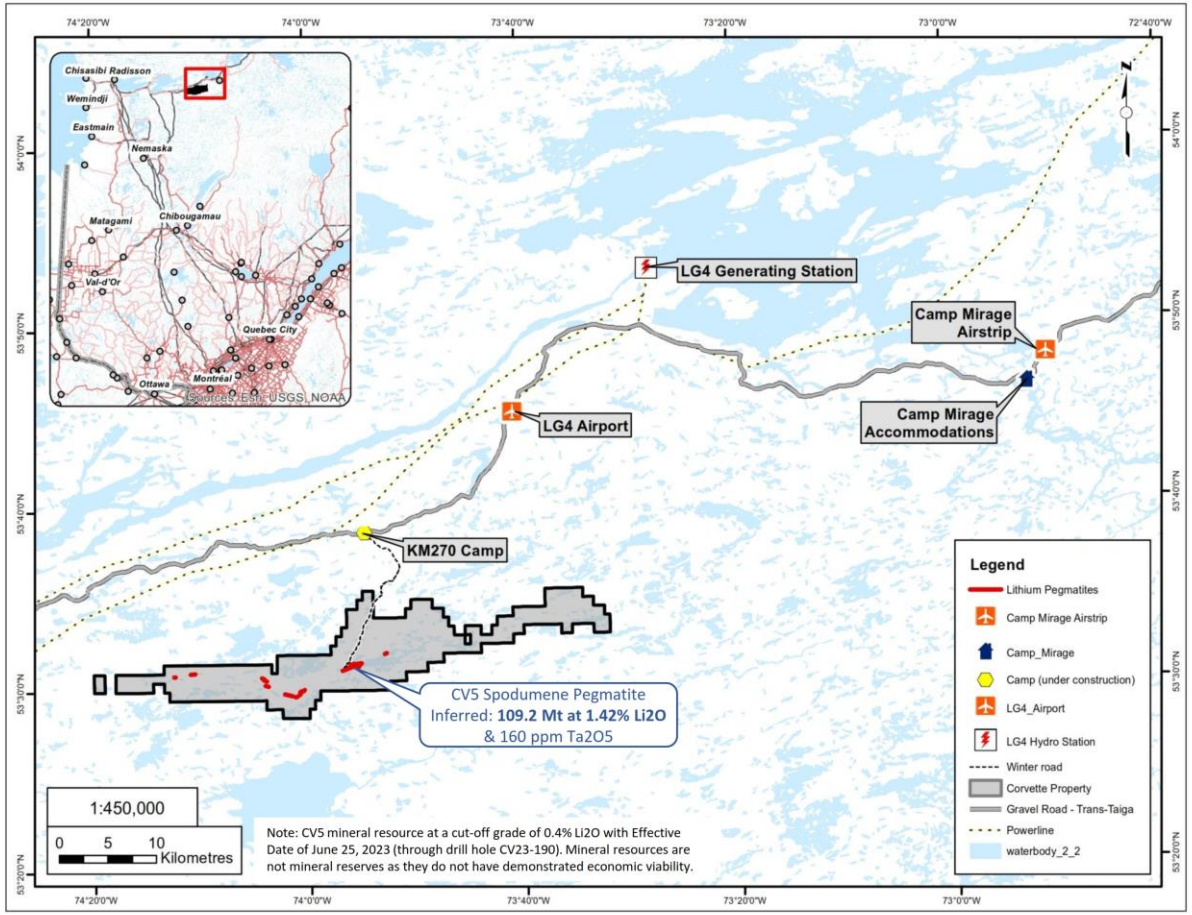
CV5 Spodumene Pegmatite at the Corvette Property is Strategically Located in the James Bay Region of Northern Quebec

- ~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

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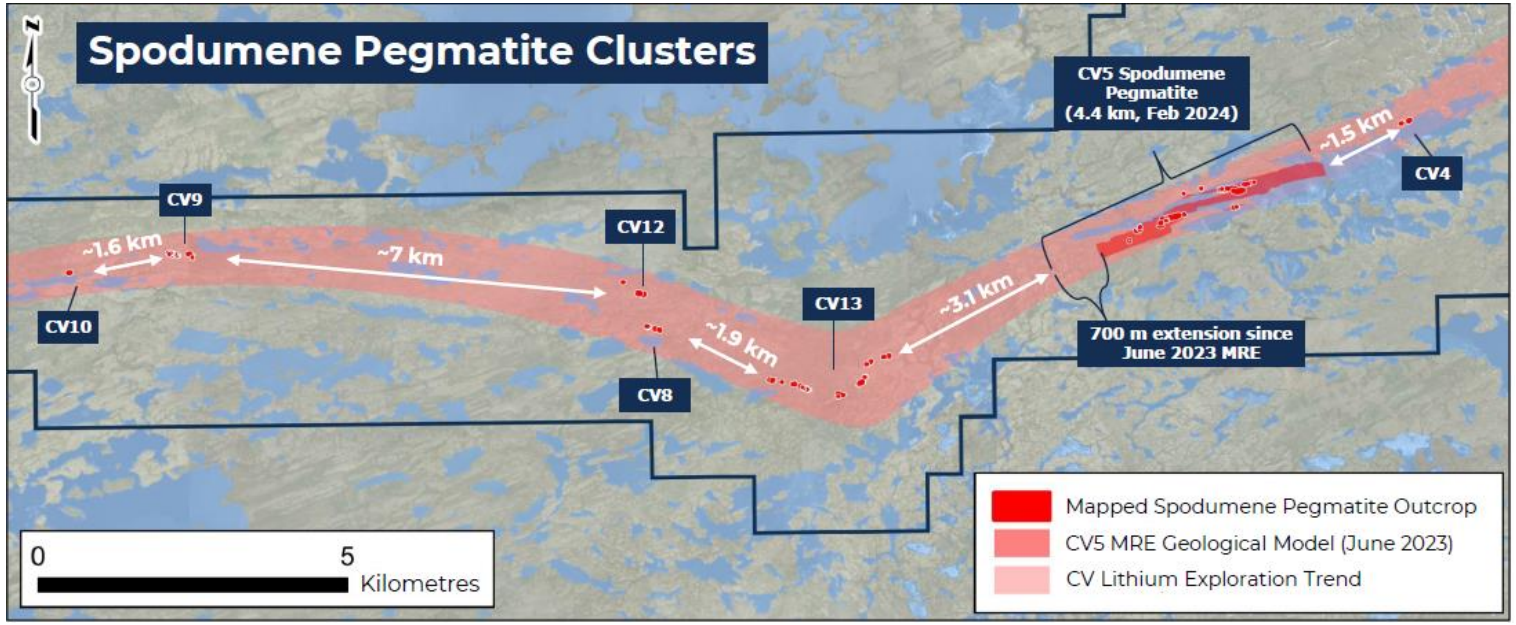
- **100% Owned**
- **CV5 is the largest spodumene pegmatite in the Americas**
- CV5 traced by drilling over a **strike length of 4.4 km and remains open along strike at both ends, and to depth along a significant portion of its length**
- **MRE Update** for the Corvette Project planned for **Q3 2024**.



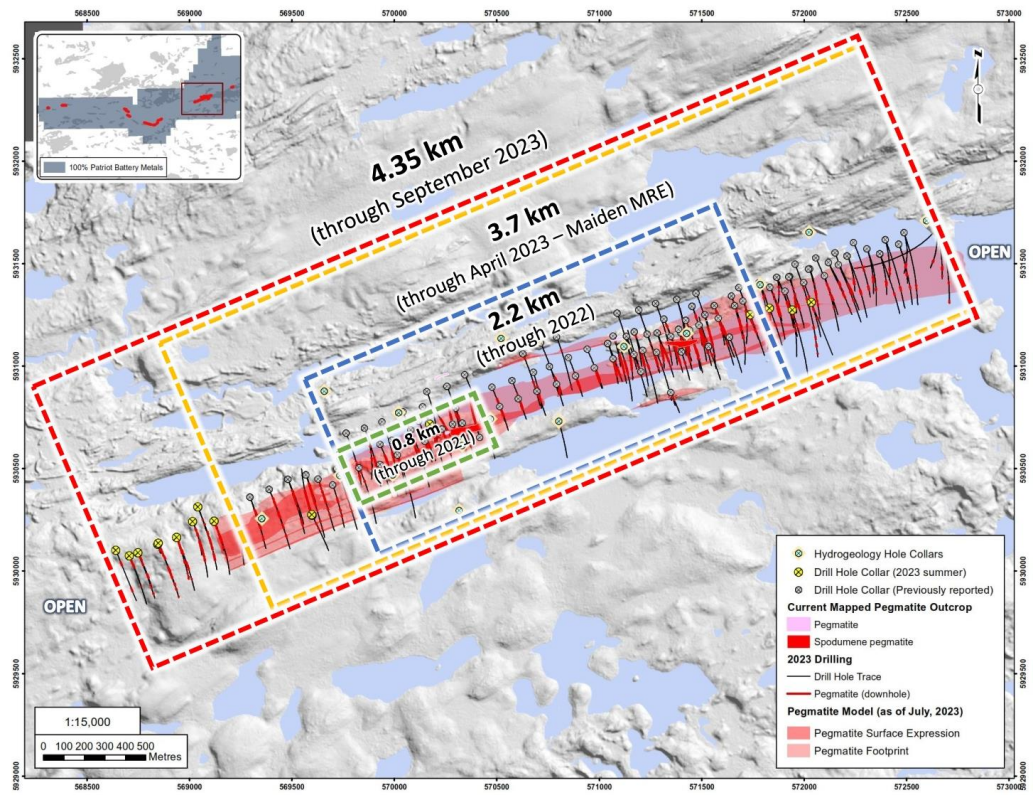
CV5 Maiden Mineral Resource Estimate* –
109.2 Mt @ 1.42% Li2O, Inferred
(largest lithium pegmatite in the Americas and 8th largest globally)

**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.*

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Why Patriot Battery Metals?

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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.*

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Thank you.

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Appendix

CV5 Maiden Mineral Resource Statement

Cut-off Grade Li2O (%)	Classification	Tonnes (Mt)	Li2O (%)	Ta2O5 (ppm)	Contained Li2O (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 = Ta x 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.

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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.

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