



TSX-V | GENI



HIGH POTENTIAL LITHIUM PROJECTS IN JAMES BAY

CORPORATE PRESENTATION | August 2023

FORWARD LOOKING INFORMATION



This document contains forward looking statements, which reflect the current expectations of the Company as at the date hereof with respect to future events. To the extent that any statements in this document contain information that is not historical, these statements are forward-looking statements and can often be identified by the use of words such as "expect", "anticipate", "estimate", "project", "intend", "plan", and "believe".

Forward-looking statements take into account risks, uncertain ties and other factors that could cause actual results to differ from those expressed or implied by such forward-looking statements. There are several factors that could cause such differences, including volatility and sensitivity to metal prices on the market, the impact of changes in the level of exchange rates of foreign currencies and interest rates, imprecision of reserve estimates, environmental risks including increased regulatory restrictions, unexpected geological conditions, adverse mining conditions, regulatory changes and government policies, including laws and policies, and the inability to obtain necessary permits and approvals from government authorities, and other risks associated with exploration and development.

Although the Company believes that the assumptions used in the forward-looking statements are reasonable, the reader should not place undue reliance on such forward-looking statements. The Company does not undertake and assumes no obligation to update or revise any forward-looking statements contained here in to reflect new events or circumstances, unless required by applicable securities laws.

QUALIFIED PERSON

Michel Boily, Ph.D, Geo (OGC#1097) Qualified Person under NI43-101 on standards of disclosure for mineral projects, has approved the technical content of this presentation.

COMPANY OVERVIEW | HIGH POTENTIAL LITHIUM PROJECTS IN JAMES BAY



Genius Metals is a diversified exploration company with a vast and **untapped lithium potential** within advanced historically gold-focused projects

Four high-potential lithium in pegmatites projects within the prolific **James Bay District of Quebec**

Taking advantage of the recently surging demand for high-purity phosphoric acid aimed at the LFP battery market

Quebec is ranked as the 6th best place for mining investment by the Fraser Institute (2021), and recognized as a hub for battery metals **production**

LITHIUM381 PROJECT | JAMES-BAY, QUEBEC

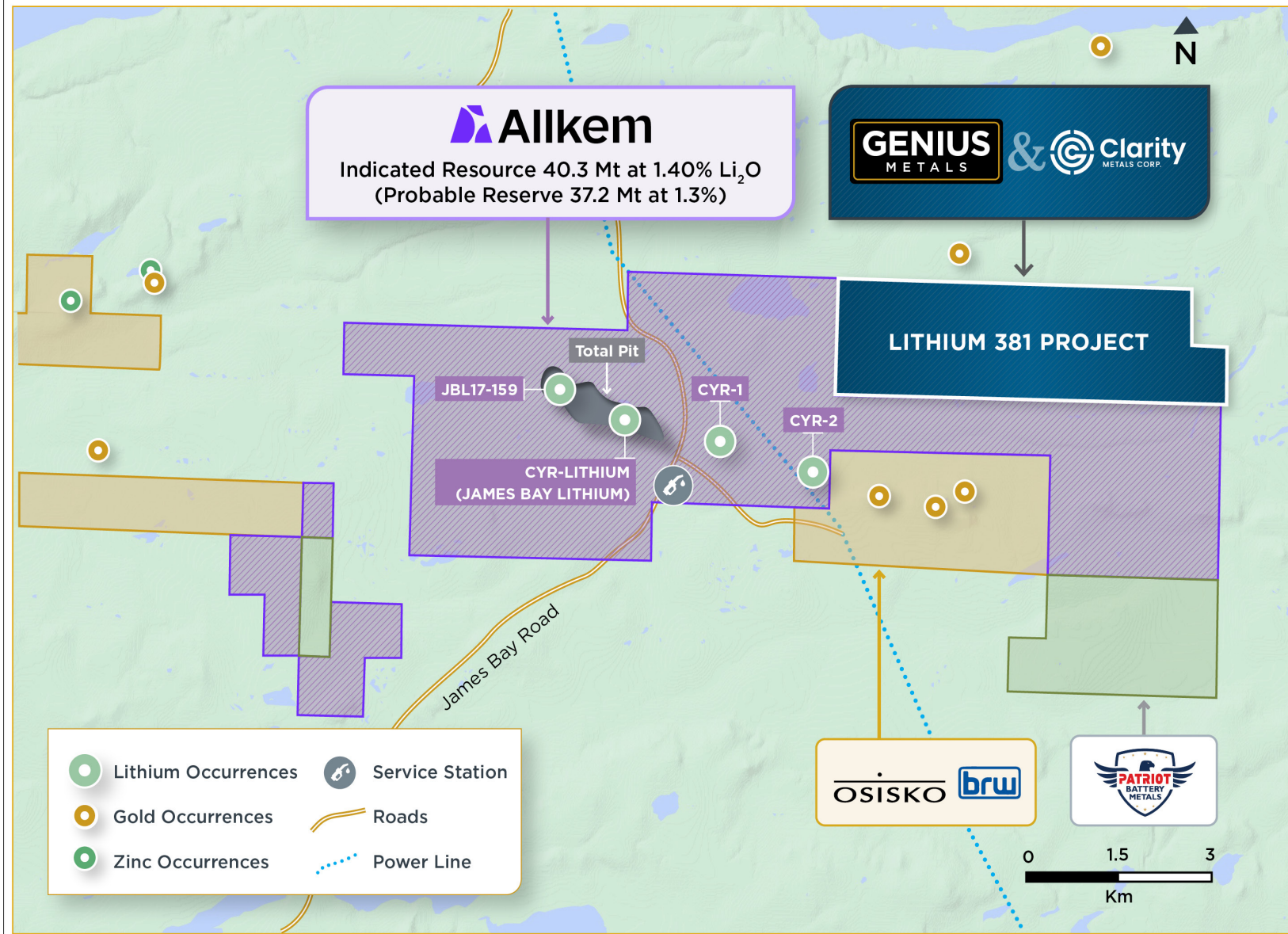
GENIUS
METALS

PROPERTY LOCATION

- 1107 ha land position contiguous to Allkem Limited's James Bay Lithium Mine (formerly Galaxy Lithium's Cyr Project)
- Allkem is scheduled to begin construction in 2023 with an estimated 19 year mine life
- Located 3 km from the KM381 service facility on the James Bay road providing services to the area.
- Accessible year-round
- 50% interest in the project optioned to Clarity Metals Corp. (CSE: CMET) for \$750,000 in work expenditure and 720,000 shares of CMET

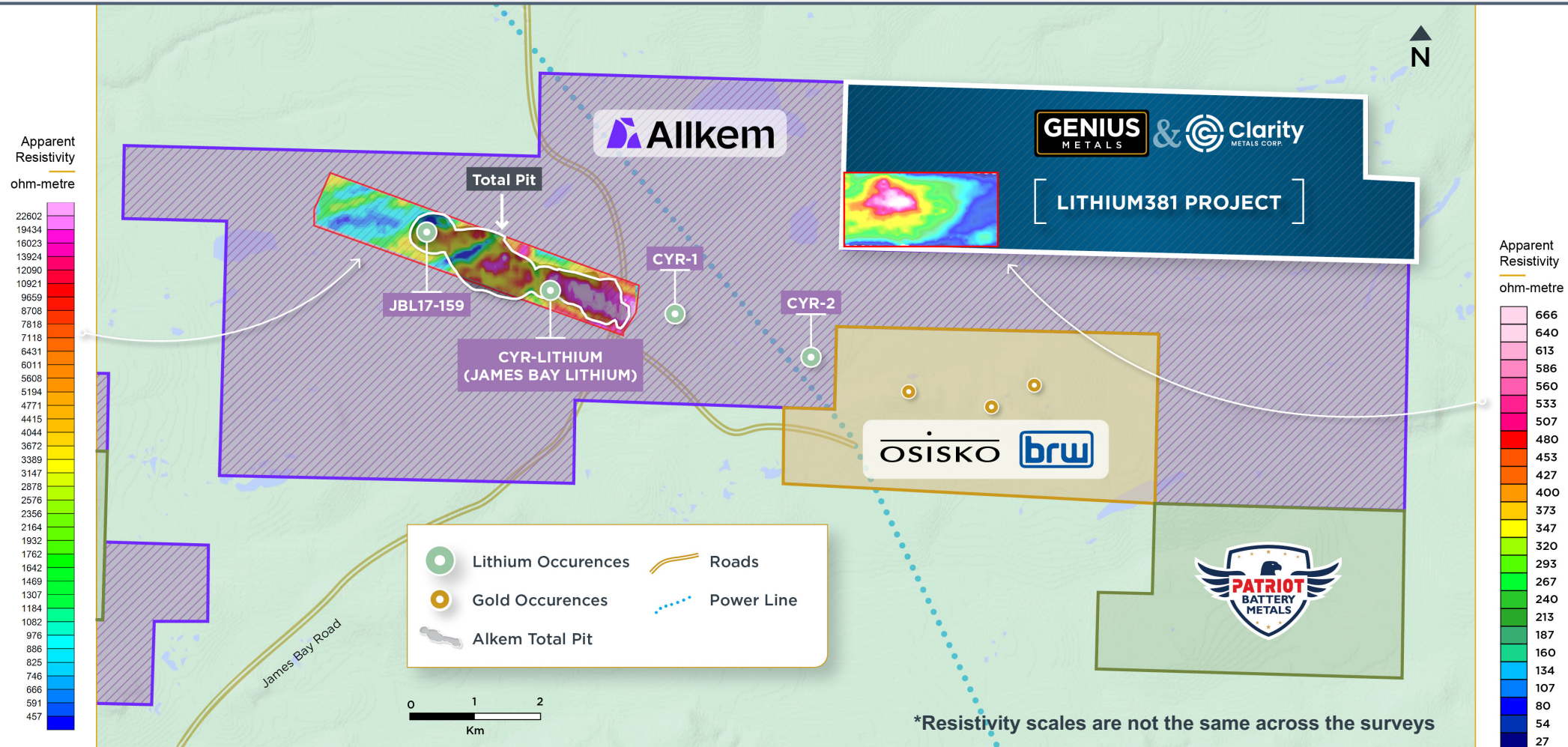
References:

1. James Bay Lithium Project Feasibility Study and Maiden Ore Reserve, December 2021 filed by Allkem on SEDAR on January 11, 2022
2. Allkem Limited Annual General Meeting Presentation, November 15, 2022

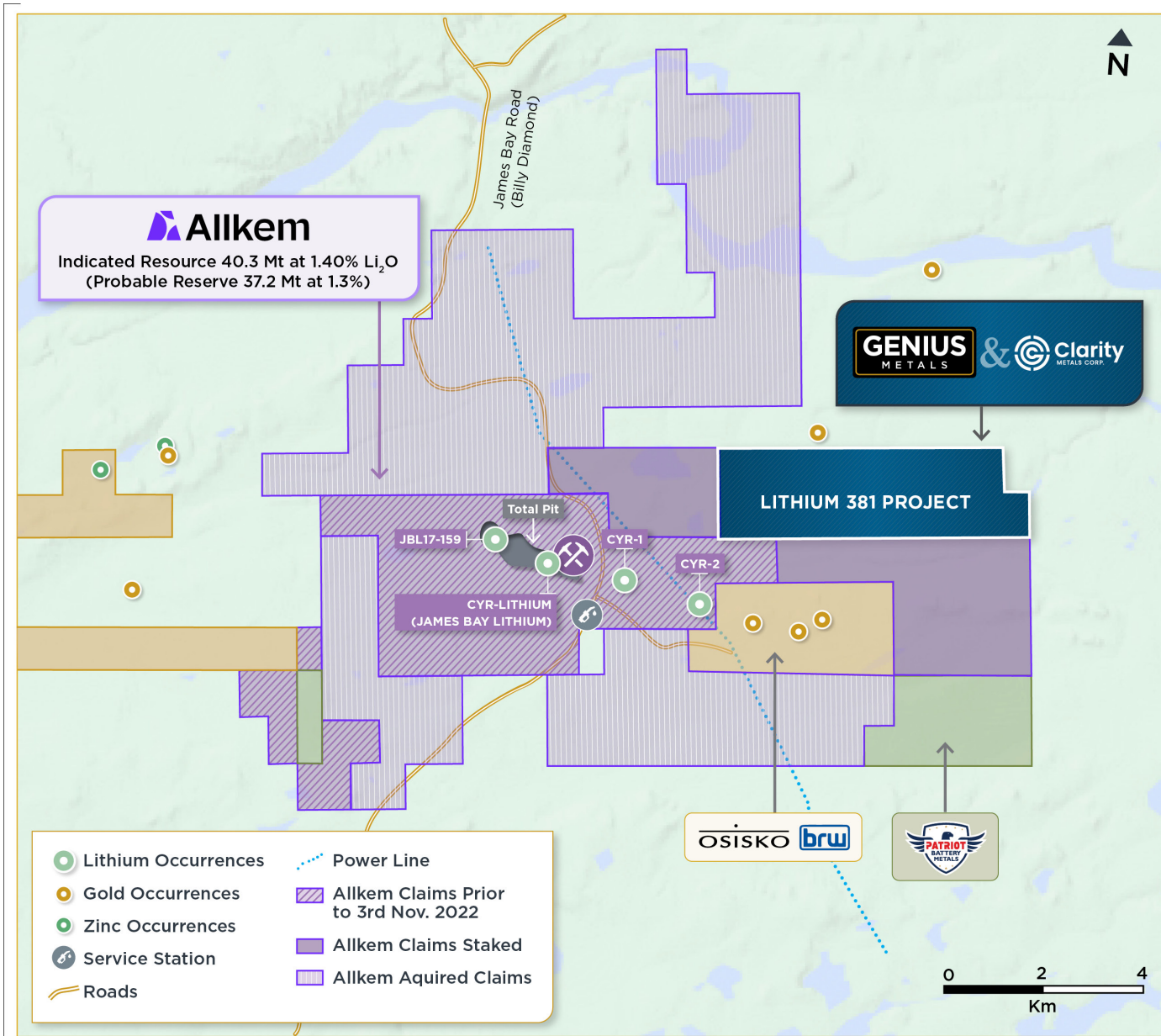


High Resistivity Target Identified

- A survey completed in 2008 on Allkem's property showed a strong correlation between resistivity highs and lithium bearing pegmatites. A resistivity high was identified on the Lithium381 property using the same type of survey.



LITHIUM381 PROJECT | JAMES-BAY, QUEBEC



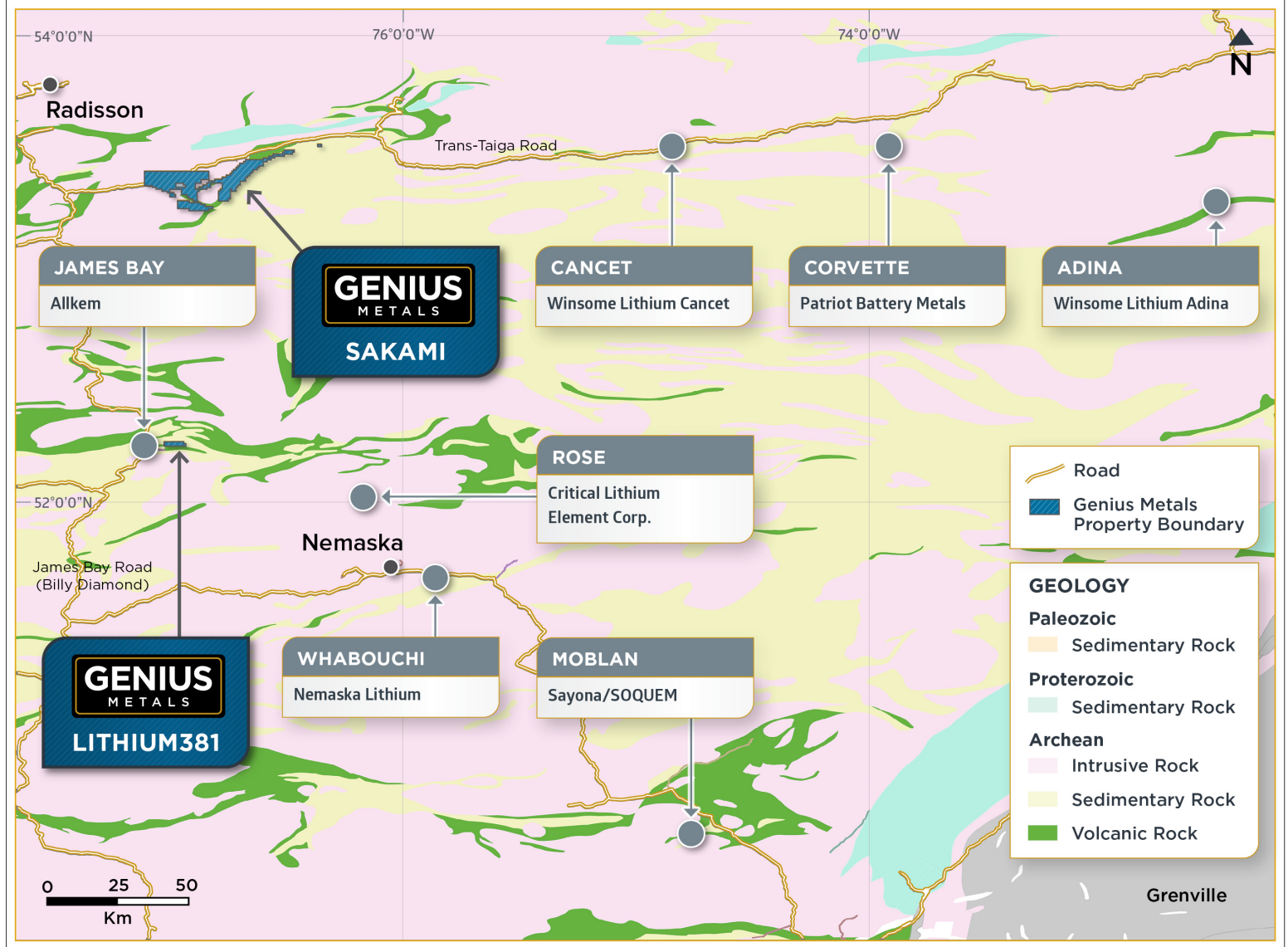
Growing Lithium Footprint at The James-Bay Mine

- **Allkem** reported drilling intercepts of **125m @ 1.70 Li₂O** and **72m @ 1.89% Li₂O** (see Allkem Limited's press release of May 4th, 2023).
- **Brunswick Exploration** recently intercepted **26.5m @ 1.51% Li₂O** on its initial drill campaign conducted on the Anatacau West property located < 2 km from Lithium381 (see Brunswick Exploration's press release dated May 24th, 2023)
- Allkem has considerably increased its land position in the area through staking and acquisitions

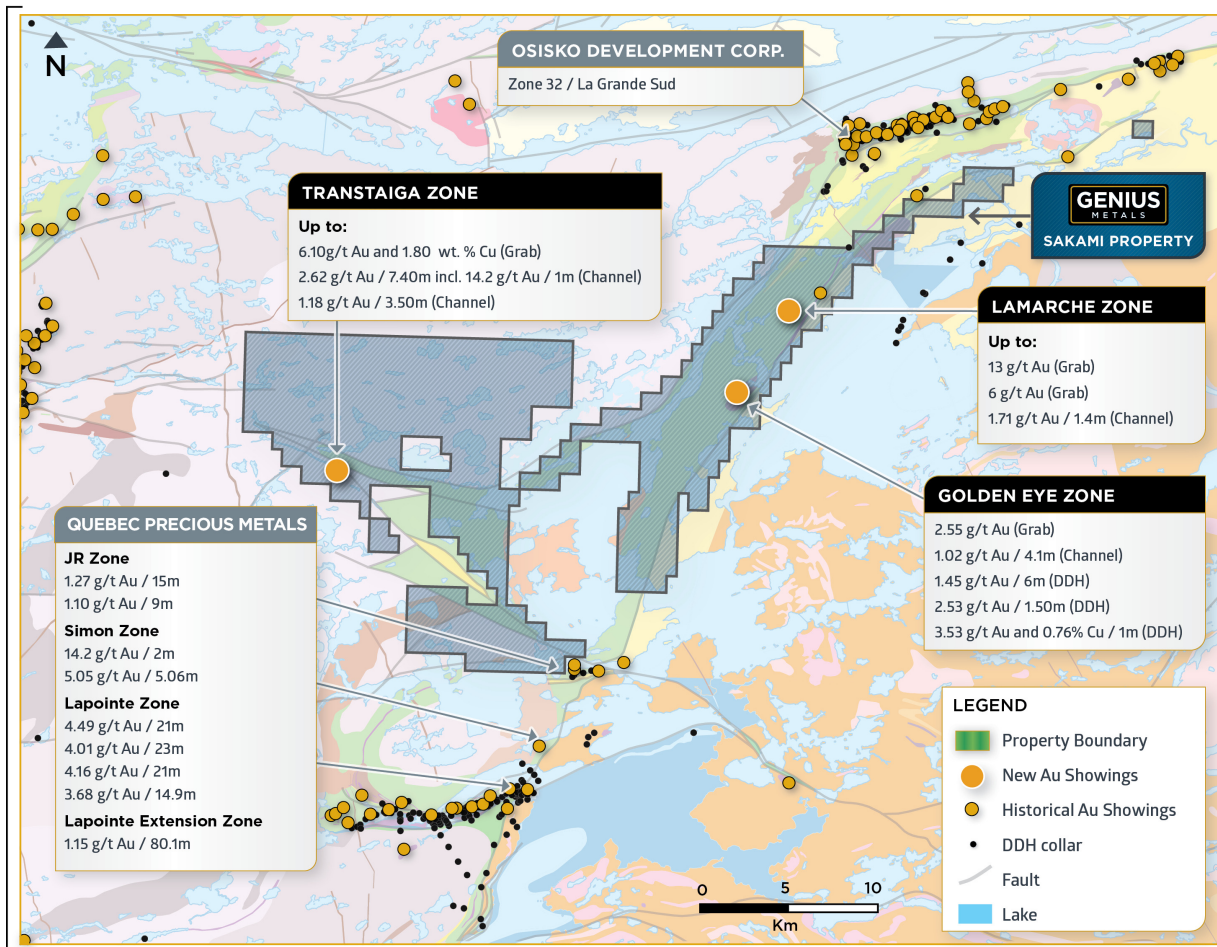
SAKAMI PROPERTY | JAMES BAY, QUEBEC

Strategic Position in James-Bay, QC

- 588 claims, 100% owned by Genius Metals, covering 30,200 hectares (302 km²)
- Strategically located near major infrastructures (government road, powerlines, airports, 1 hour drive from the city of Radisson) and existing lithium discoveries
- Vast land package covering more than 180km² of the La Grande greenstone belt unexplored for its lithium potential since historical exploration was focused on gold
- Considered highly prospective for the discovery of lithium pegmatites



SAKAMI PROPERTY | GOLD POTENTIAL



Geology

- ☉ The property is straddling more than 40km of the geological contact between the Opinaca and La Grande subprovinces. This contact is associated with numerous gold occurrences, including the Éléonore Gold Mine operated by Newmont (8m Oz Au).
- ☉ North of Sakami, Osisko Development's La Grande Sud property hosts considerable gold mineralization.
- ☉ To the South, Quebec Precious Metals' La pointe and La Pointe Extension mineralization contains a considerable resource which has been defined with more than 40,000m of drilling.
- ☉ Genius Metals has already identified multiple gold occurrences on its property

Quality Assurance and Quality Control (QA/QC)

Genius Metals implemented a strict QA/QC protocol in processing all core, channel, grab, and soil samples collected from all its properties. The protocol included the insertion and monitoring of appropriate reference materials, in this case certified CRM standards, blanks and duplicates, to validate the accuracy and precision of the assay results. All rock samples, including core material, were inserted in sturdy plastic bags, tagged, and sealed in the field or in the core shack. A clean plastic shovel was used to dig through the topmost soil layers and sample the B or C-horizon soil, mostly till material. Commonly, from 1 to 2 kg of soil material was collected, cleaned of coarse pebbles (> 16 mm), put in Kraft paper or plastic envelopes, stowed, and transported to the camp. For each sample collected; the sample number, UTM coordinates, and a brief material description were systematically noted. The samples were dried for at least 48h at the camp. The sample bags containing rock or soil samples then put in rice pouches and kept securely in a field tent before being sent by truck for preparation and analysis to various geochemical laboratories in Canada notably SGS Canada Inc. ("SGS") or ALS Global ("ALS") in Val-D'Or, Quebec. The chain of custody was always under the supervision of professional geologists.

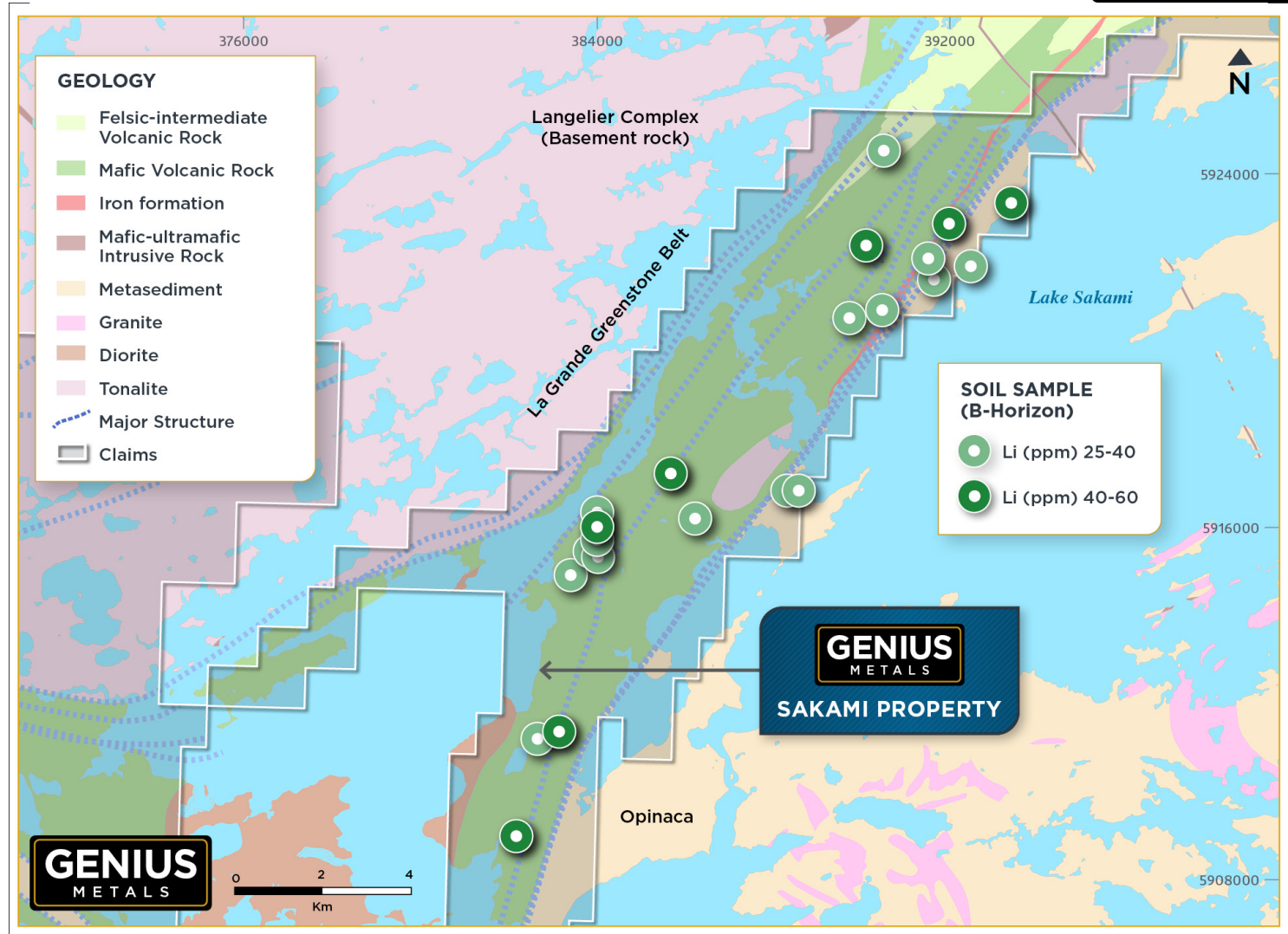
At SGS, the resulting pulps form grab samples were analyzed in Burnaby, British Columbia. The gold values were obtained by fire assay with an atomic absorption finish. Values over 10 ppm Au were re-analyzed by fire assay with a gravimetry finish. Multi-element analysis was performed using the classical aqua regia ICP-OES technique. Core and grab samples sent to the ALS laboratories were analyzed using the ME-ICP41 package (Aqua regia with AA finish) for 35 elements. Samples having contents > 10 000 ppm Zn and > 100 ppm Ag were re-analyzed by OG-46 method (4 acids). Gold assays were determined by Fire Assay with an atomic absorption finish (method Au-AA2). Finally, soil samples were expedited to the ALS laboratories with 50 g of the < 64 µ sieved fraction analyzed for 53 elements using the combined cyanide and aqua regia digestion and ICP-MS super trace methods (AuME-ST44).

SAKAMI PROPERTY | LITHIUM POTENTIAL

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Geology

- ☉ The property covers > 180 km² of the La Grande greenstone belt - a favorable geological setting for lithium pegmatites
- ☉ Previous geophysical surveys and several lithium anomalies from a till survey will help guide future prospecting
- ☉ Several major structures identified on the property as part of previous gold exploration programs. Shear zones in James Bay's greenstone belts are susceptible to host lithium-bearing pegmatites
- ☉ No previous exploration campaign looking at identifying or mapping pegmatites on the property

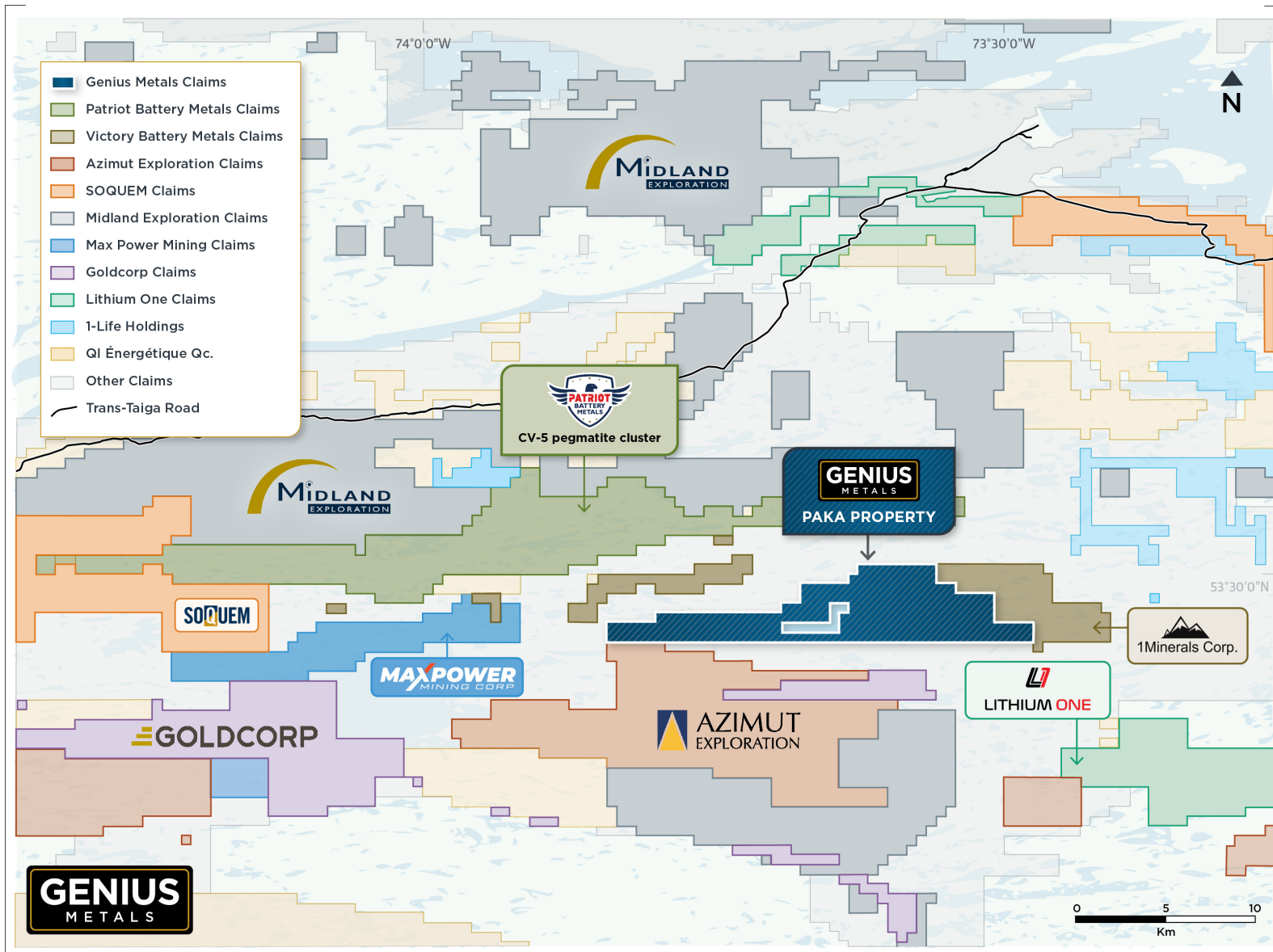


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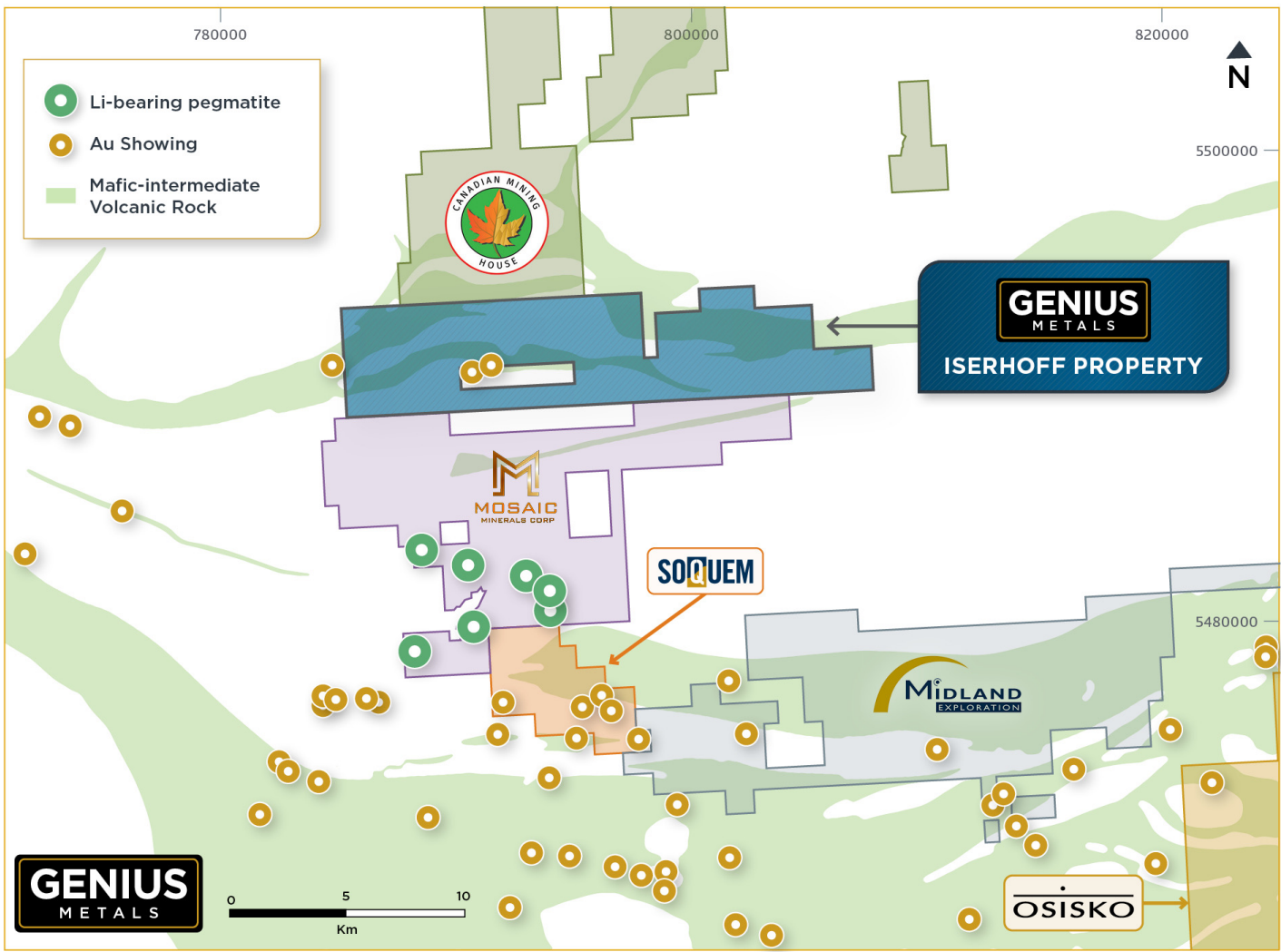
PAKA PROPERTY | JAMES BAY, QUEBEC



Geology

- The property is located approximately 8km SE of the Corvette property owned by Patriot Battery Metals (TSX:PMET)
- Located in the Archean La Grande greenstone belt where recent discoveries of lithium mineralization (i.e., Cancet, Corvette, Adina, James Bay and Wabouchi) attest to the high lithium potential of the region
- The Paka property is surrounded by numerous biotite-muscovite granitic plutons which are commonly associated with LCT (lithium-cesium-tantalum) granitic pegmatite dykes
- There are major structural breaks on the property and the surrounding areas which constitute pathways for the intrusion of late-stage granites and granitic pegmatites with high lithium potential.
- The database from the Ministère des Ressources Naturelles du Québec has identified several granitic outcrops, often pegmatitic on the Paka property and the surrounding areas.

ISERHOFF PROPERTY | JAMES-BAY, QUEBEC



Lithium Potential

- 153 Claims covering 85 km², 100% owned, no NSR
- 8 km south of Iserhoff, Mosaic Minerals' Lithium SM property exposes lithium-bearing pegmatites
- Favorable geology for the discovery of lithium-bearing pegmatites (Volcanic rocks/greenstone belt)
- The property is accessible by a network of well maintained forestry roads
- No previous work looking at assessing the lithium potential of the property

Gold Potential

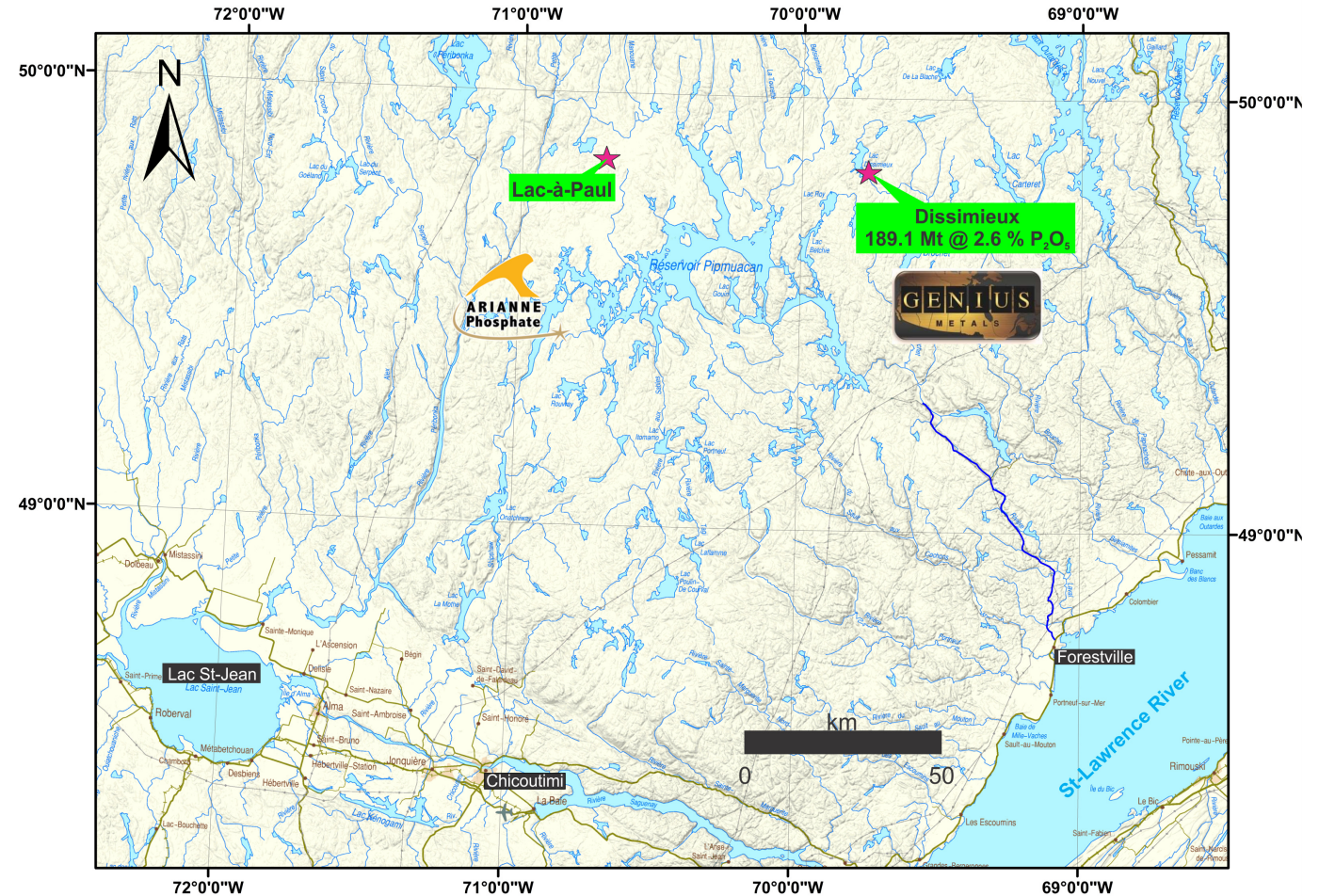
- A drilling campaign completed in the 1960's by O'Brien Gold Mines highlighted a gold-mineralized network of quartz veins yielding anomalous gold values at shallow depth (all gold intercepts are < 20m deep)

Grade (g/t Au)	Length (m)
0.62	10.6
0.62	7.6
1.40	8.3
1.24	14.5
0.93	1.2
1.24	5.9

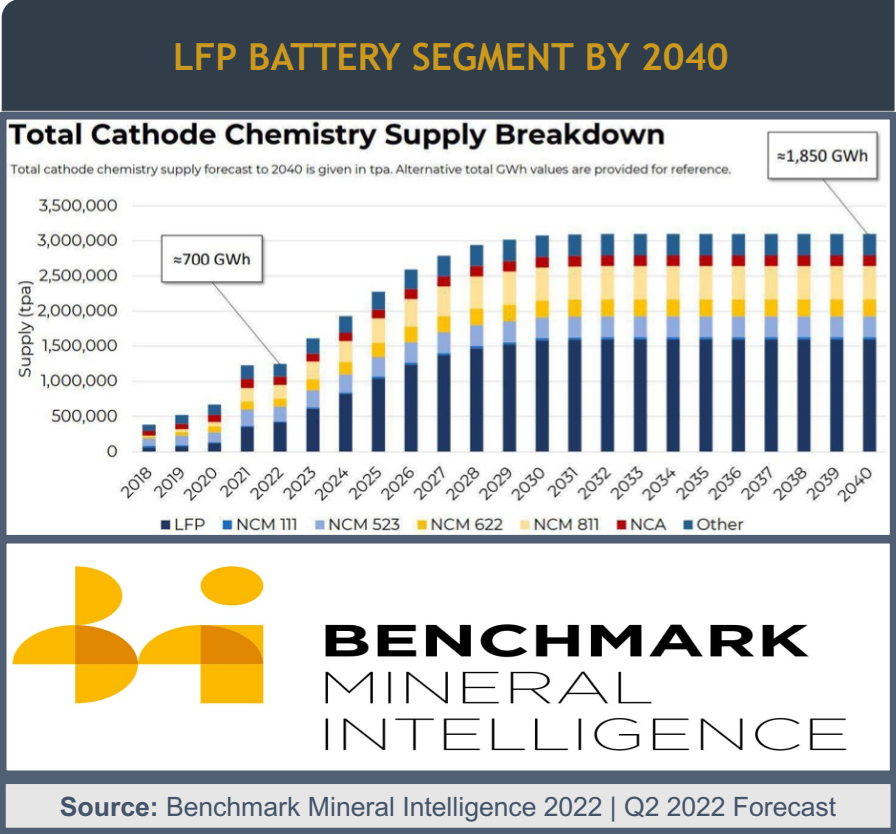
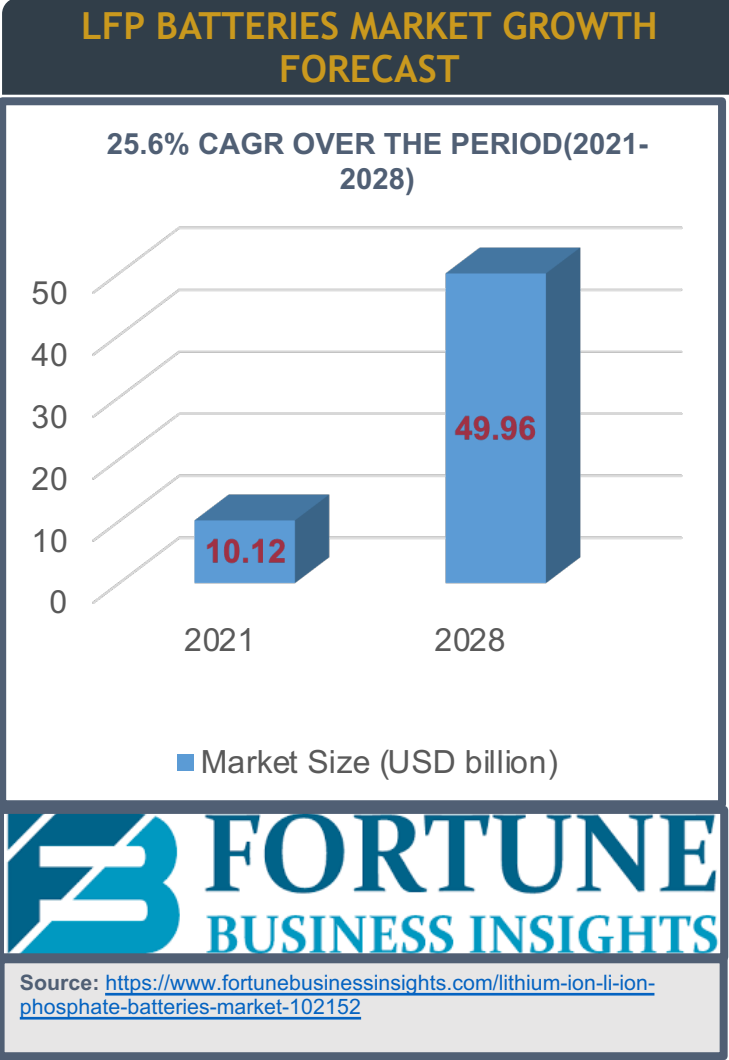
LAC DISSIMIEUX PROPERTY (P₂O₅) | LOWER NORTH-SHORE QUEBEC

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- The property is located 130 km NW of the deep-water seaport of Baie-Comeau
- The property hosts Titanium-Iron-Phosphate (ilmenite-apatite) mineralization within igneous rocks. This source of phosphate is more suitable for the LFP battery market than the more abundant sedimentary phosphorite source. This source of phosphate is also more ESG-friendly than the sedimentary phosphate source.
- Based on results from 34 drill holes on the Dissimieux property, Yvan Bussi res (Drilling Report, 2012-2013, Lac Dissimieux property, Minist re des Ressources Naturelles, GM 67921) has calculated an inferred resource on 5 zones totaling 189.1 MT @ 2.6% P₂O₅. Genius Metals considers this to be an historical resource that does not adhere to the categories defined in sections 1.2 and 1.3 of NI 43-101 and the 2010 CIM Standard Definition of Mineral Resources and Reserves. The Company indicates that a qualified geologist has not verified the validity of this resource, in particular the calculation method used and that a qualified person has not done sufficient work to classify the historical estimate as current resources or mineral reserves. The Company considers this resource to be only an indication of the mineral potential of the Dissimieux project. Genius Metals is not treating the historical estimate as current mineral resources or mineral reserves.
- A bulk sample of the ore containing 3.5 % P₂O₅ and 5.4 % TiO₂ underwent metallurgic testing and achieved a **recovery of 92 % apatite to produce a concentrate of 41.2 % P₂O₅. Ilmenite was recovered at 62.5 % producing a concentrate at 48.1 % TiO₂.**



EV MANUFACTURERS MOVING TO LFP BATTERIES	
	May 9, 2022: Ford EV Batteries will Switch Over to Lithium Phosphate Soon https://fordauthority.com/2022/05/ford-ev-batteries-will-switch-over-to-lithium-phosphate-soon
	Apr 21, 2022: Almost Half of all Teslas Built in Q1 had the LFP Battery Pack https://insideevs.com/news/581261/tesla-lfp-battery-nearly-half-deliveries
	Mar 10, 2022: Rivian will Follow Tesla and Change to LFP Battery Technology https://www.cnbc.com/2022/03/10/
	Oct 31, 2021: Mercedes-Benz to Launch LFP-Powered BEVs from 2024 https://insideevs.com/news/544432/mercedes-launch-lfp-bevs-2024
	Oct 7, 2021: Hyundai Motor Developing EVs with LFP Battery for Global Market https://www.thelec.net/news/articleView.html?idxno=3440
	Aug 3, 2021: Ford, VW, Tesla Lean in to LFP Battery Technology for EVs https://www.environmentalleader.com/2021/08/ford-vw-tesla-lean-in-to-lfp-battery-technology-for-evs/



2023 SUMMER EXPLORATION PROGRAM

	June	July	August	September	R.O.Y
Sakami	<ul style="list-style-type: none"> Re-interpretation of 2022 soil survey from a lithium exploration perspective Planning of the summer prospecting campaign 		<ul style="list-style-type: none"> Several weeks of prospection by geologists and technicians searching and sampling lithium-bearing pegmatites in areas where lithium till anomalies have been identified. This will represent the first ever exploration program on the Sakami property aimed at discovering lithium-bearing pegmatites 		<ul style="list-style-type: none"> Follow-up exploration on previously identified areas of interest
Iserhoff	<ul style="list-style-type: none"> Several weeks of prospecting by geologists and technicians looking to identify and sample lithium-bearing pegmatites on the property. This will represent the first ever exploration program on the Iserhoff property aimed at discovering lithium-bearing pegmatites 		<ul style="list-style-type: none"> Interpretations of results Follow-up exploration on previously identified areas of interest 		
Lac Dissimieux	<ul style="list-style-type: none"> 3D modeling of the 189 Mt @ 2.6 wt. % P2O5 deposit to better understand the deposit 	<ul style="list-style-type: none"> High-Resolution airborne Magnetic Survey (50m line spacing) 		<ul style="list-style-type: none"> Prospecting campaign aimed at expanding the size of the mineralized body through grab and channel sampling based on the results of the High-Resolution airborne magnetic survey 	<ul style="list-style-type: none"> Follow-up exploration on previously identified areas of interest

BOARD OF DIRECTORS

Guy Goulet President & Chief Executive Officer, Director

Mr. Goulet graduated from Ecole Polytechnique de Montréal in 1986 in geological engineering. He has been active in the mining sector for more than 30 years. In 1996, he was co-credited for the restart of the Wrightbar gold mine in Val d'Or, Quebec. In parallel, he has conducted with the collaboration of Hydro-Québec (LTD division) and Group STAS the only project leading to the production of lithium metal from high purity lithium carbonate. In 2000, he co-founded H2O Innovation, the largest water treatment company in Canada which he later served as president and chairman until 2008. Later in 2008, he founded Maya Gold & Silver and was co-credited for the restart of the historic Zgounder silver mine in Morocco while serving as CEO. Over the course of his career, Mr. Goulet has raised over \$150 million in equity capital for the purpose of advancing associated public companies.

John Geoffrey Booth LLM, Independent Director

John G. Booth has 30 years of international experience in finance, law, ESG and corporate governance of natural resource investments. He holds a Bachelor of Science in biology and environmental science, Canadian and US law degrees, and a Masters in international finance, tax and environmental law. He has worked as a lawyer, investment banker, broker, strategy consultant and fund manager with firms including Merrill Lynch International, ICAP, CEDEF and ABN AMRO, CIBC, World Bank, Climate Change Capital and Conservation Finance International. Most recently he served as chairman and CEO of Midpoint, an international payments business which he co-founded and listed via RTO on the TSXV. Currently he serves as chairman of Laramide Resources (ASX/TSX) and European Electric Metals (TSXV), and is non-executive director and head of the audit committee of Cub Energy (TSXV) and Cerro de Pasco Resources and is a guest lecturer on ESG at Kings College, University of London. He leads the Audit Committee.

David Shaw PhD

Mr. Shaw brings in excess of four decades of experience in the technical and financial sectors of the mining and oil and gas resource industries. He specialized in the investigation of the structural control of mineral deposits, and on the economic side he has focused on financial and risk analysis of resource project investment. After graduating from Carleton University, Ottawa, with a Ph.D. in Structural Geology, Mr. Shaw was employed by Chevron Resources Canada as an in-house structural consultant in both the mining and hydrocarbon divisions. He founded the Resource Research Department at Charlton Securities Ltd before assuming the position of Senior Analyst at Yorkton Securities. Since the mid-1990s, he has worked as an independent consultant and currently serves on the Boards of three other publicly listed resource companies.

René Branchaud Corporate Secretary, Director

René Branchaud obtained a diploma in law from Université Laval in 1982. He is a member of the Québec bar since 1983 and has been with the law firm Lavery, de Billy since that year. He is a partner of Lavery de Billy. He is also a director or secretary of several mining listed companies.

Hubert Vallée Independent Director

Mr. Vallée graduated from Laval University in Engineering. He joined Québec Cartier Mining as Project Engineer and was promoted to Director of Operations for its Pellet Plant in 2001. He managed the Iron Ore Company of Canada's Pellet Plant in Sept-Iles before joining Domtar Inc. as CEO of its pulp mill in Lebel-sur-Quévillon. He joined Consolidated Thompson in 2006 and was one of the key people who made this project happen. After the sale of Consolidated Thompson Cliffs, Mr. Vallée acted as VP Project Development for Phase II of Bloom Lake operation. He has also been involved as Senior Vice President, Project Development, at Century Iron Mines.

MANAGEMENT AND ADVISORY BOARD

Robert Boisjoli CFO

Mr. Robert Boisjoli, is a Fellow Chartered Professional Accountant, with over 30 years of operational and advisory experience. Mr. Boisjoli is currently the Chief Executive Officer of AKESOgen, Inc., an integrated genomics services company. He is also Chairman of Palos Management Inc. and managing director of Atwater Financial Group, a company specializing in mergers and acquisitions, and a partner at Robert Boisjoli & Associates S.E.C., a consulting firm specializing mainly in business valuations. Robert has been the founder of two life science companies where he has acted as Chief Financial Officer, Chief Operating Officer and Chief Executive Officer. Mr. Boisjoli sits on the boards of directors of various public and private companies where he is also the audit committee chairman. He was also an investment banker with various Canadian securities' firms. Mr. Boisjoli also is a Board Member of various not-for-profit organizations in the community and within the profession.

Michel Boily PhD, VP Exploration

Dr. Boily is an expert geochemist and metallogenist specializing in the interpretation of precious and rare metal deposits in Precambrian volcano-plutonic terranes for the last 25 years. Prior to consulting for the mining industry and government agencies, Dr. Boily was involved as a research associate at MERI/McGill in the study of several rare metals deposits located in the Quebec province; notably the Strange-Lake deposit in Labrador (Zr, Y, REE), the St-Honoré mine in the Saguenay area (Nb, REE) and the Québec Lithium Mine in the Abitibi Greenstone Belt (Li). Since 1992, Dr. Boily has conducted exploration and technical evaluation of gold, base metals and rare metal properties located in Archean greenstone belts and the Grenville Province of Quebec and Ontario, in the Anti-Atlas Proterozoic windows of Morocco, Northern Mexico, Argentina and Nicaragua. Dr. Boily graduated from the Université de Montréal in 1988 with a PhD in geochemistry and carried out post-doctoral studies at the University of Chicago. Since 1984, Dr. Boily has been the author of various publications in international scientific journals and has written numerous technical reports. Dr. Boily is currently a registered Professional Geologist in good standing with l'Ordre des Géologues du Québec.

Pierre-Olivier Goulet VP Corporate Development


Pierre-Olivier Goulet graduated from Concordia University with a Bachelor Degree in Commerce (B.Comm) with a Finance Major. During his studies at Concordia, Mr. Goulet participated in numerous business case competitions with a notable second place result in the Tetra Pack Canada Case Competition in Toronto. Since joining Genius Metals in 2017, Mr. Goulet took part in several field exploration campaigns before joining the company's corporate team in 2019.

Réjean Gosselin Advisory Board

Rejean Gosselin graduated from Laval University in 1979 with a M.Sc. in Geology. He has worked as a consulting geologist on uranium, gold and base metals mining exploration projects in Canada, United States, and South America since 1979. For the past 35 years, Rejean acted as founder and promoter of numerous junior mining companies exploring for different commodities in Canada, West Africa, and Mexico. Rejean is responsible for gold and base metals discoveries in Canada and Mexico. Recent involvements include Dia Bras Exploration (now Sierra Metals) as President and CEO from 2003 to 2008 and most recently as Chairman of the Board of Maya Gold & Silver (now Aya Gold & Silver)

Anthony Frizelle Advisory Board

Anthony Frizelle, previously held the position of Managing Director at Resource Management & Finance Co. Ltd. ("RM&F"), now RMF (UK) Limited ("RMF"). The London based advisory company assists groups of specialist companies actively developing or investing in natural resource opportunities in the mining and oil and gas sectors. Prior to establishing RM&F, Anthony was a founding shareholder and CEO of a Canadian resource merchant bank. He has had extensive international business experience in finance, marketing and development of mineral resources having worked in a senior capacity with the Phibro-Salomon Group, Anglo American and Rand Mines. He has launched and listed resource companies quoted on AIM and the Canadian markets, and acted as an advisor for major international resource groups.

 SHARE STRUCTURE	
TSX Venture Exchange (TSX.V)	Symbol: GENI
Shares Outstanding (basic)	97,686,343
Warrants	34,570,000
Options	6,300,000
Shares Outstanding (fully diluted)	138,556,343



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