

# HARD ROCK LITHIUM EXPLORATION IN CANADA



TSXV: LIFT | OTCQX: LIFF | FRA: WS0

[www.li-ft.com](http://www.li-ft.com)

May 2024

# Forward Looking Statements

Statements contained in this presentation that are not current or historical factual statements may constitute “forward-looking information” within the meaning of applicable securities laws. The forward-looking information reflects current expectations regarding future results, performance or achievements and speaks only as of the date of this presentation. When used in this presentation, forward-looking information can be identified by such words as “may”, “will”, “expect”, “believe”, “plan”, “project”, “anticipate”, “intend”, “estimate” and other similar terminology. Such forward-looking information involves known and unknown risks, uncertainties and other factors that may cause the actual results, performance or achievements of the Company to be materially different from any future results, performance or achievements expressed in or implied by such information.

Such risks, uncertainties and other factors include, but are not limited in any manner to: risks inherent in exploration activities; volatility and sensitivity to market prices of the Company’s primary metals; volatility and sensitivity to capital market fluctuations; the impact of exploration competition; the ability to raise funds through financings; imprecision in historical estimates; environmental and safety risks including increased regulatory burdens; unexpected geological conditions; changes in government regulations and policies, including trade laws and policies; demand for the Company’s primary metals; failure to obtain necessary permits and approvals from government authorities; weather and other natural phenomena; and other exploration, development, operating, financial market and regulatory risks. The foregoing list of factors is not exhaustive. Although management of the Company believes that the assumptions underlying and the expectations reflected in the forward-looking information are reasonable, significant risks and uncertainties are involved in such information. Management can give no assurances that its assumptions, estimates and expectations will prove to have been correct. Forward-looking information should not be read as guarantees of future performance or results, and will not necessarily be accurate indications of whether or not or the times at or by which such performance or results will be achieved. Many factors that are beyond the Company’s control could cause actual results to differ materially from the results discussed in the forward-looking statements. When considering forward-looking information in this presentation, prospective investors should ensure that the preceding information, the risk factors and the other contents of this presentation are all carefully considered. Except as expressly required by law, the Company does not assume any obligation to update or revise forward-looking information, or to publicly release the results of any revisions to forward-looking information to reflect new events, assumptions or circumstances.

This presentation is being provided for information purposes only and does not constitute or form part of, and should not be construed as, an offer or invitation to sell or any solicitation of any offer to purchase or subscribe for any securities of Li-FT Power Ltd. (the “Company”) in Canada, the United States or any other jurisdiction. Trading in the securities of the Company should be considered highly speculative. This presentation is not, and in no circumstances is it to be construed as, a prospectus, offering memorandum, an advertisement, or a public offering of securities. No securities regulatory authority or similar authority has reviewed or in any way passed upon the document or the merits of any securities of the Company and any representation to the contrary is an offence. The information contained in this presentation is a summary description of the Company prepared by the Company and there is no representation or warranty by the Company or any other party as to the accuracy or completeness of the information set forth herein and no recipient will be able to rely on any representations or warranties contained in this presentation. Except as otherwise stated, information included in this presentation is given as of the date hereof. The delivery of this presentation shall not imply that the information herein is correct as of any date after the date hereof. Readers should not construe anything in this presentation as investment, legal or tax advice. Each recipient should consult its own investment, legal, tax and other advisers regarding the financial, legal, tax, and other aspects of the Company, including whether it is legally permitted to purchase any securities from the Company under applicable laws. All dollar amounts referenced herein, unless otherwise indicated, are expressed in Canadian dollars.

## CAUTIONARY NOTE REGARDING TECHNICAL DISCLOSURE

The technical and scientific information in this presentation, related to Company projects in Quebec, Canada has been reviewed and approved by Don Cummings, P. Geo., OGX Member 2183, who is a Qualified Person for the Company under the definitions established by National Instrument 43-101 (“NI 43-101”).

The technical and scientific information in this presentation, related to Company projects in Northwest Territories, Canada, has been reviewed and approved by Ron Voordouw, Ph.D., P.Geo., Partner, Director Geoscience, Equity Exploration Consultants Ltd., and a Qualified Person as defined by National Instrument 43-101 Standards of Disclosure for Mineral Projects (NI 43-101) and member in good standing with the Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists (NAPEG) (Geologist Registration number: L5245).

# Li-FT Power: Why Invest

## RESOURCE POTENTIAL

- Potential to be one of North America's largest hard rock lithium resource bases

## ESG

- Excellent relations w/ Indigenous groups
- Working towards Environmental Assessment initiation in 2025

<sup>1</sup> The potential quantity and grade of the Exploration Target is conceptual in nature. There has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource

## INFRASTRUCTURE

- All projects have access to existing roads and rail

## TEAM

- Track record of discovery, M&A, mine-building



## EXPEDITED STRATEGY

- Aggressive drill plan – 50,000 m completed at Yellowknife Lithium Project
- Targeting initial MRE in H2/24

## TIMING

- We are at/close to the bottom of the Li market
- Commodities are cyclical – buy low / sell high

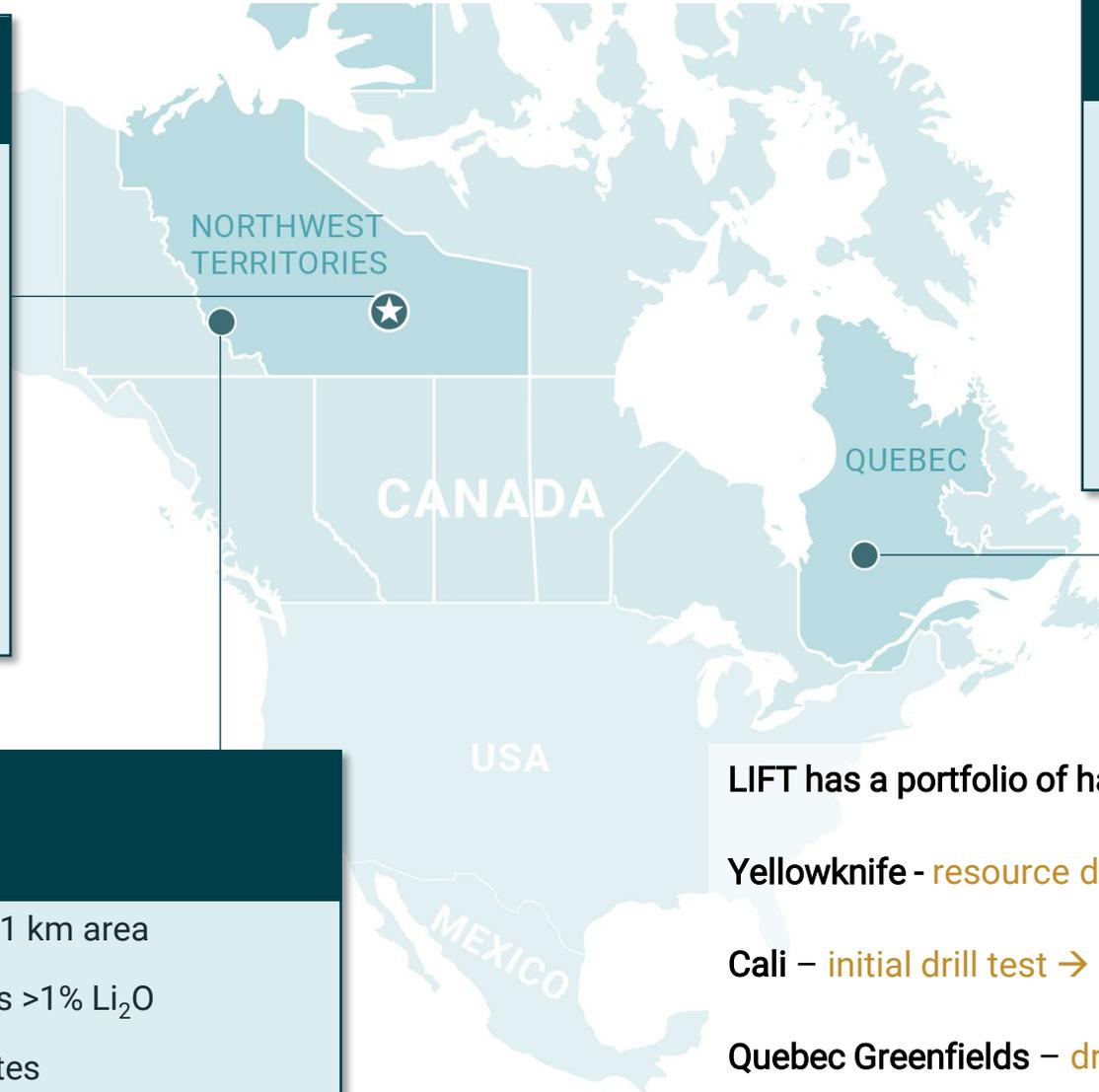
# Li-FT Power: Our Projects

## YELLOWKNIFE PROJECT Northwest Territories, Canada

- 13 spodumene pegmatites have near 100% exposure – easy to see exceptional potential
- Excellent transport infrastructure – proximity to road and rail
- 50,000 m of drilling completed as of April 2024
- Results from 286 drill holes indicate extensive widths and excellent grades

## CALI PROJECT Northwest Territories, Canada

- Pegmatite dyke swarm over a 1.5 km by 1 km area
- 124 of 163 grab samples returned grades >1% Li<sub>2</sub>O
- Road access within 6 km of the pegmatites
- Possible to get spodumene concentrate to rail in Fort Nelson



## QUEBEC GREENFIELDS Québec, Canada

- Largest land position in the James Bay region of Quebec (2,300 km<sup>2</sup>)
- Large spodumene-in-till anomaly defined at Pontax – similar in magnitude to the Whabouchi area
- Additional targets for followup within the Rupert project

LIFT has a portfolio of hard rock lithium assets in North America

Yellowknife - resource definition → early-stage development

Cali – initial drill test → resource definition

Quebec Greenfields – drill target definition → discovery drilling

# Li-FT People: Management



**Francis MacDonald**  
CEO & Director

- Co-founded Kenorland Minerals, a North America-focused project generator
- Prior to 2016, Mr. MacDonald worked with Newmont Mining

**Alex Langer**  
President & Director

- Worked with Canaccord Genuity to fund over 100 private and publicly listed companies
- Former VP of Capital Markets at Millennial Lithium
- CEO & President of Sierra Madre Gold & Silver

**Andrew Marshall**  
Chief Financial Officer

- Chartered Accountant & Chartered Financial Analyst
- Former CFO at First Mining Gold
- CFO at Pan Global Resources

**April Hayward**  
Chief Sustainability Officer

- 25 years of experience in environment and sustainability
- Successfully navigated projects through the regulatory system to operating permits in the Northwest Territories
- Has held roles with the Ekati mine and Mountain Province Diamonds

**David Smithson**  
Senior Vice President, Geology

- Held the role of global specialist for Newmont Mining
- He is a co-founder of Tier One Silver, a silver-focused explorer in Peru
- Holds a M.Sc in Economic Geology from the University of British Columbia



# Li-FT People: Board



**Francis MacDonald**  
CEO & Director



**Alex Langer**  
President & Director



**Paul Gruner**  
Director

- Former CEO for Det'on Cho Management LP
- CEO for Tichq Investment Corporation



**Iain Scarr**  
Director

- Founder of IMEX Consultants
- Former COO, Millennial Lithium



**Ken Scott**  
Director

- 33 years of public company auditing experience to the Company
- CFO, Sierra Madre Gold & Silver



**Eva Bellissimo**  
Director

- Co-leads the Global Metals & Mining Group at McCarthy Tétrault LLP
- Named one of the Top 25 Most Influential Lawyers in Canada



**Andree St-Germain**  
Director

- CFO of Integra Resources Corp
- Former CFO Integra Gold

## Advisors



**Don Hains**  
Advisor

- An industrial minerals exploration and economic geologist
- Professor of Geology, Carleton University

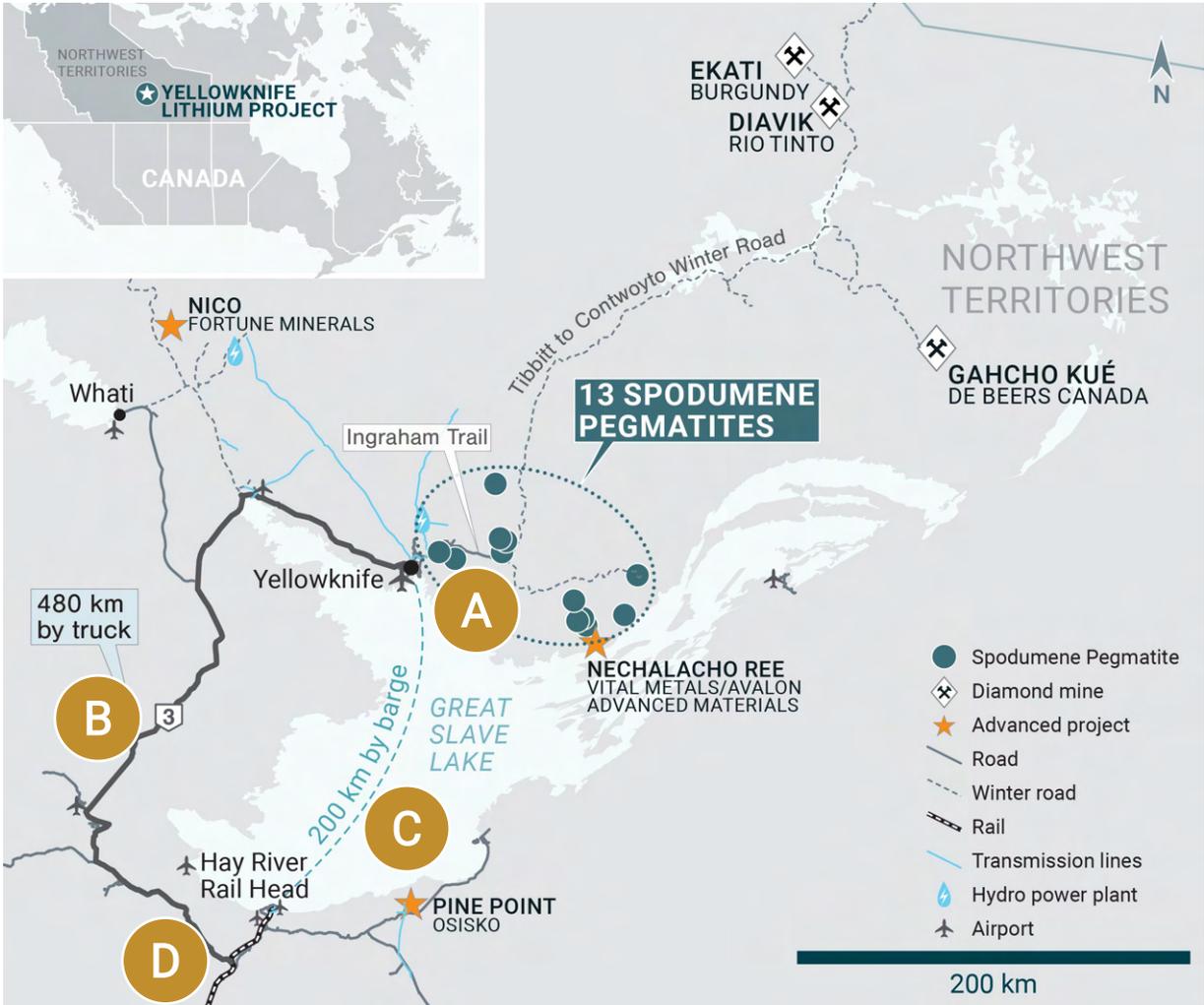
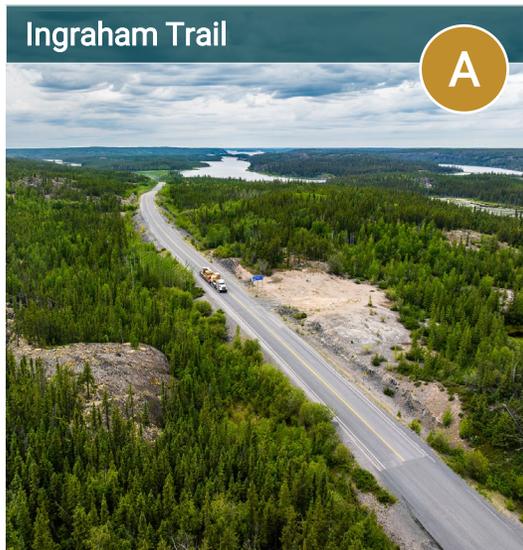


**Wally Schumann**  
Advisor

- Former elected MLA for the NWT
- Part of the team that secured the first-ever Impact Benefit Agreement (IBA) with De Beers Canada

# Yellowknife - Infrastructure in an Established District

- The Yellowknife Lithium Project is accessible by road from the city of Yellowknife
- Spodumene concentrate can be shipped to rail at Hay River by road or by barge in summer



# Canadian Railway Infrastructure - Ports easily accessible



# ESG Highlights

## Executive Oversight (Chief Sustainability Officer)

## Strong, collaborative relationships with local

## Indigenous communities.

- Established, effective engagement process.
- Key Exploration Agreement secured.
- Local and Indigenous employment & procurement prioritised.

## Stable regulatory jurisdiction.

## Baseline Environmental and Socioeconomic Data collection initiated June 2023.

- In preparation for Environmental Assessment.

### Yellowknife Lithium Project Employment (% Person Hours)



Archaeology crews survey the Yellowknife Lithium Project with members of local Indigenous communities in June 2023.



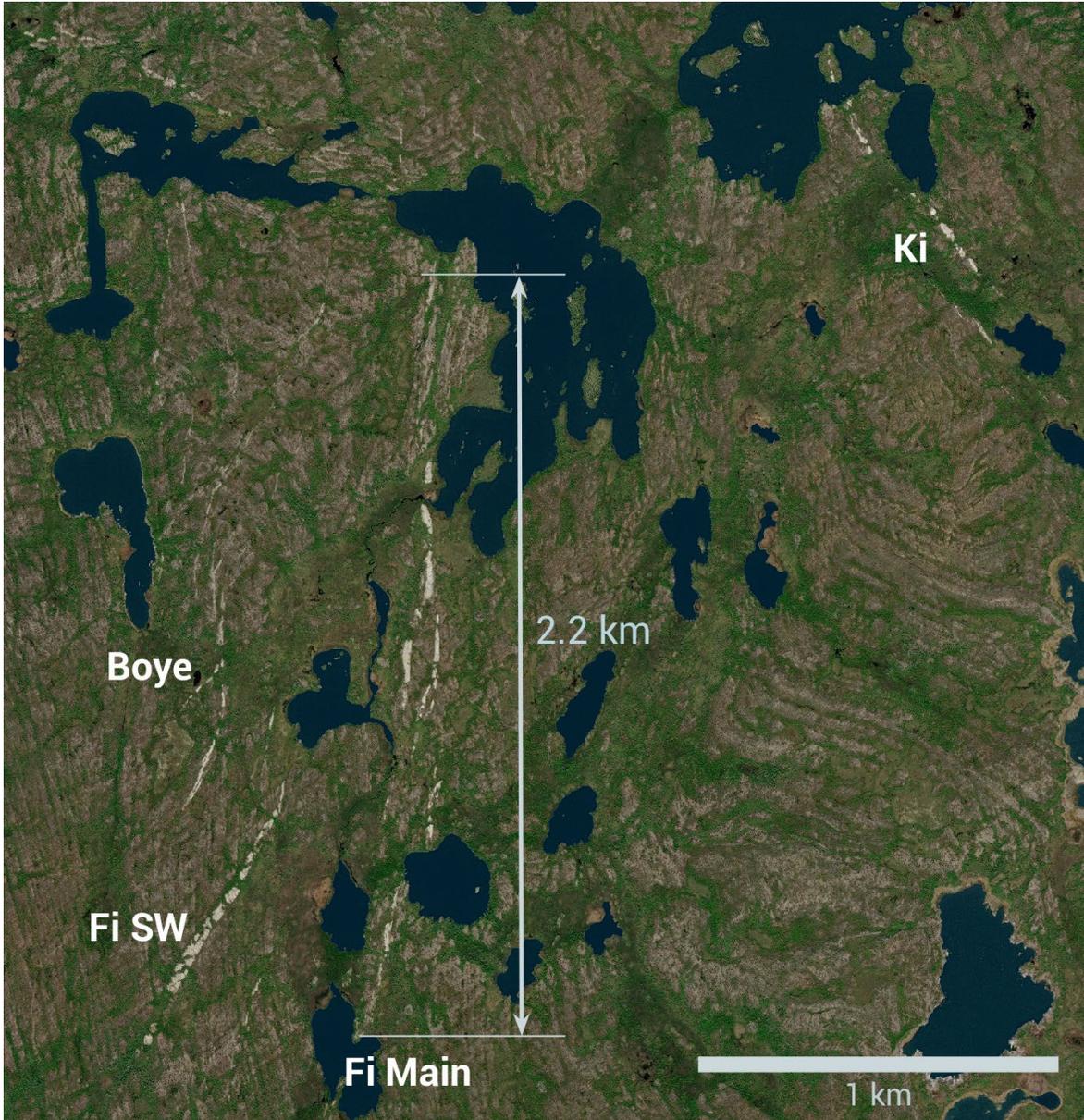
Nelson Zoe, Tjicho Citizen



Keith Sangris, Yellowknives Dene First Nation Member

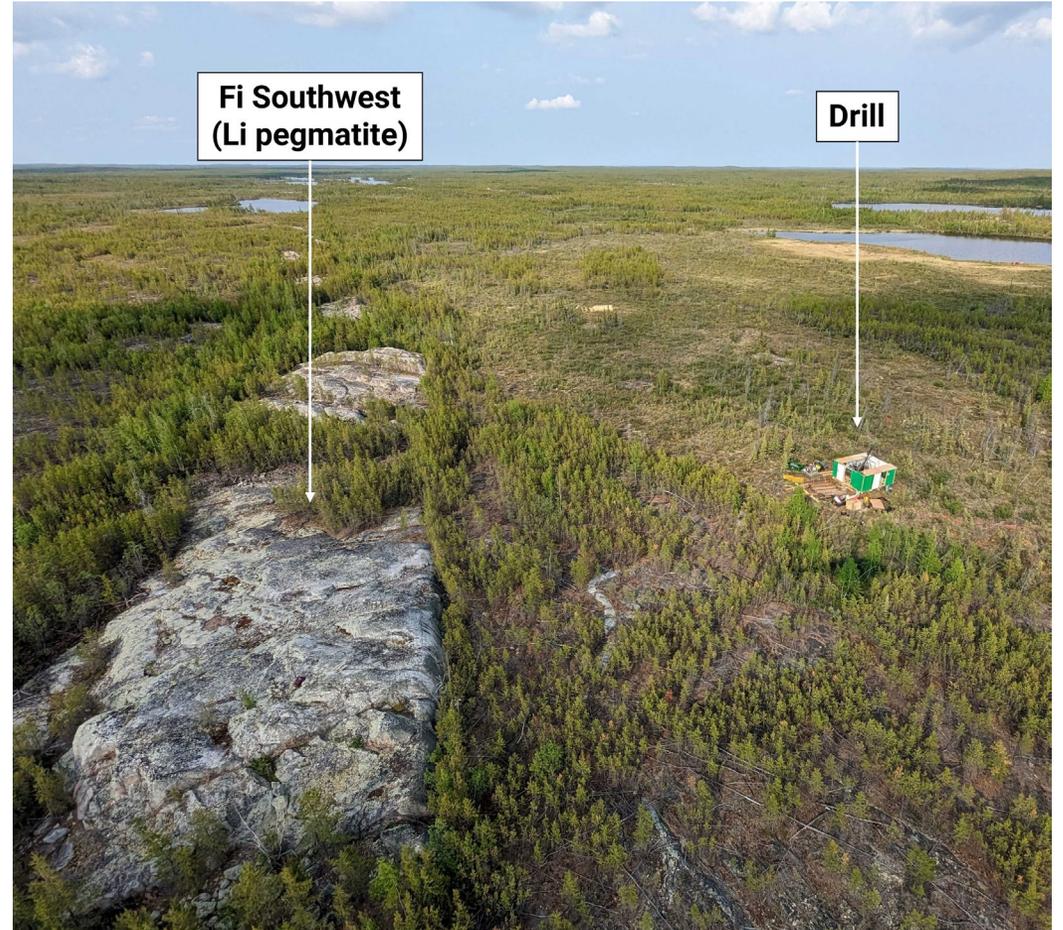


# Yellowknife Lithium Project – Visible from Space

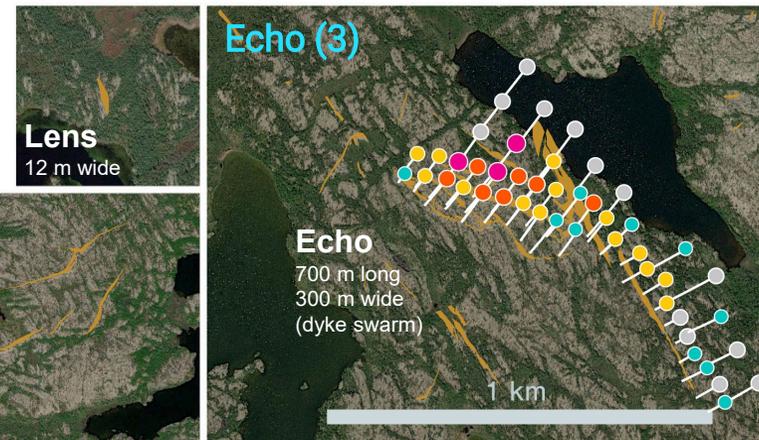
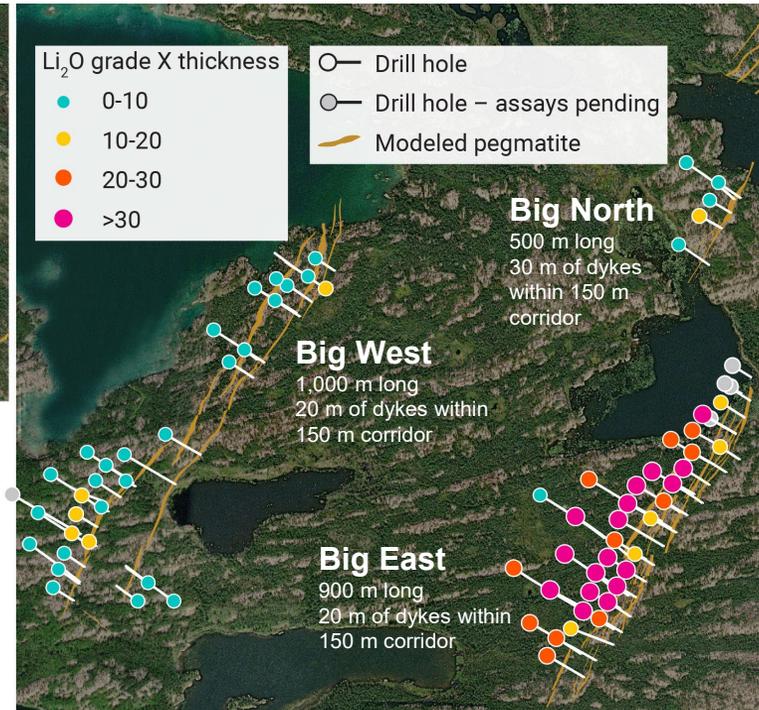
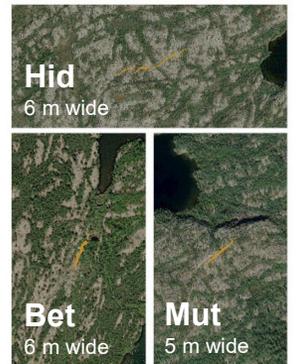
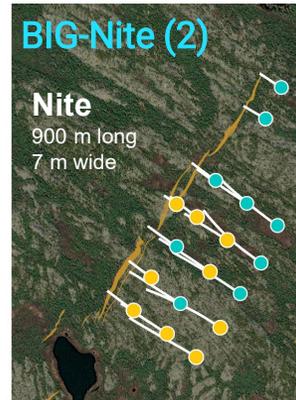
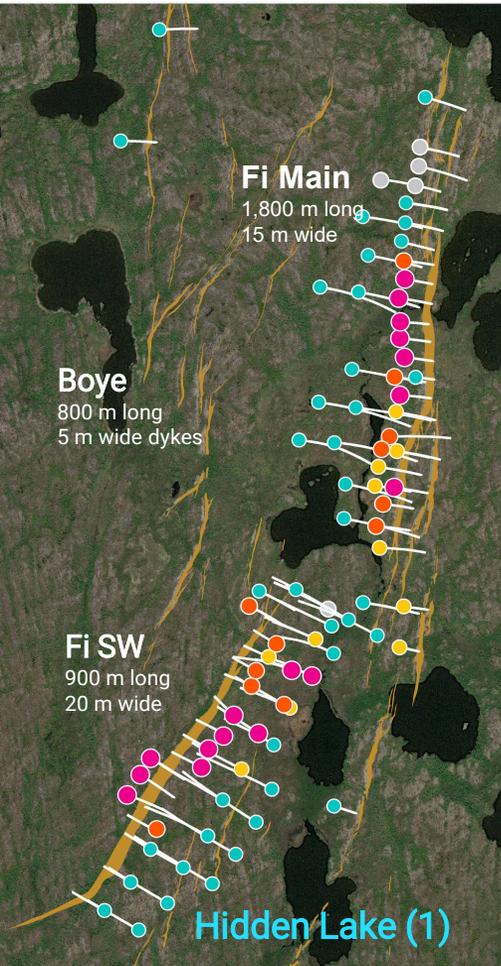
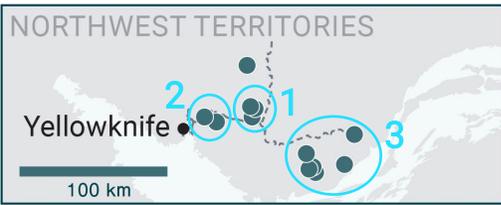


Abundant outcrop with almost complete exposure sets the Yellowknife Project apart

Size potential and lithium grades are readily apparent based on outcrop exposure

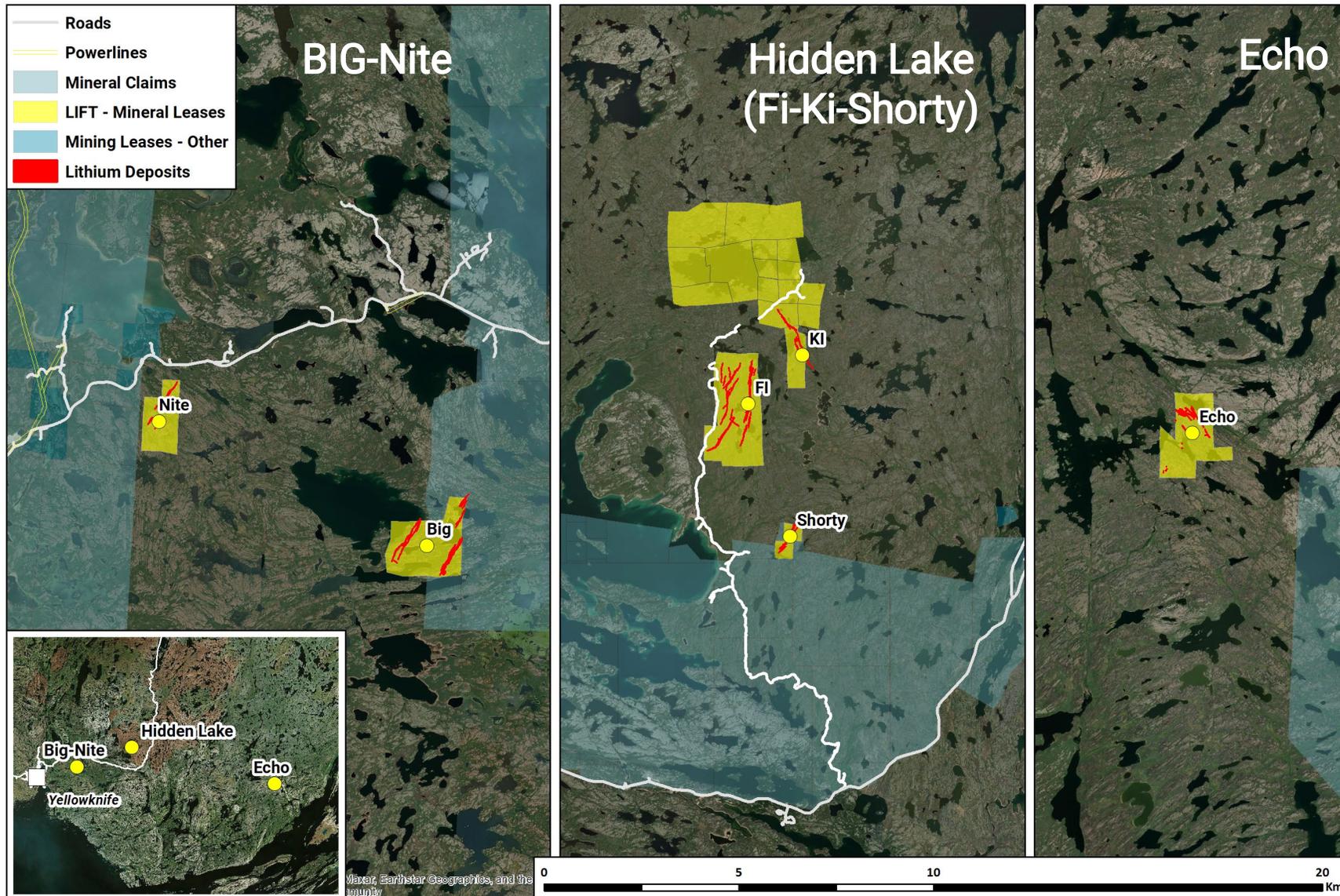


# 50,000 m of drilling completed across 8 deposits



- 50,000 m of drilling completed to date at 8 pegmatites in the last 10 months
- Most pegmatites are still open – more step-out drilling to be completed in order to define the limits of mineralization
- Widths are between 10-30 m
- Strike lengths are ~ 1km
- Grades typically between 1.0 – 1.2% Li<sub>2</sub>O

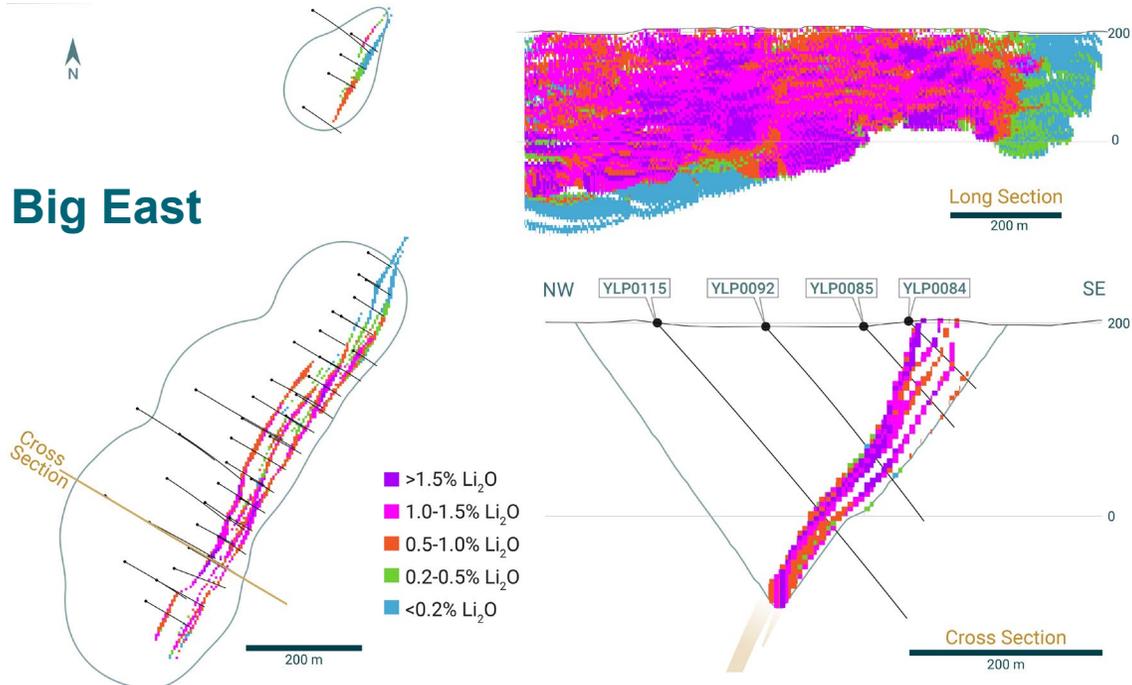
# Clusters of Lithium Pegmatites



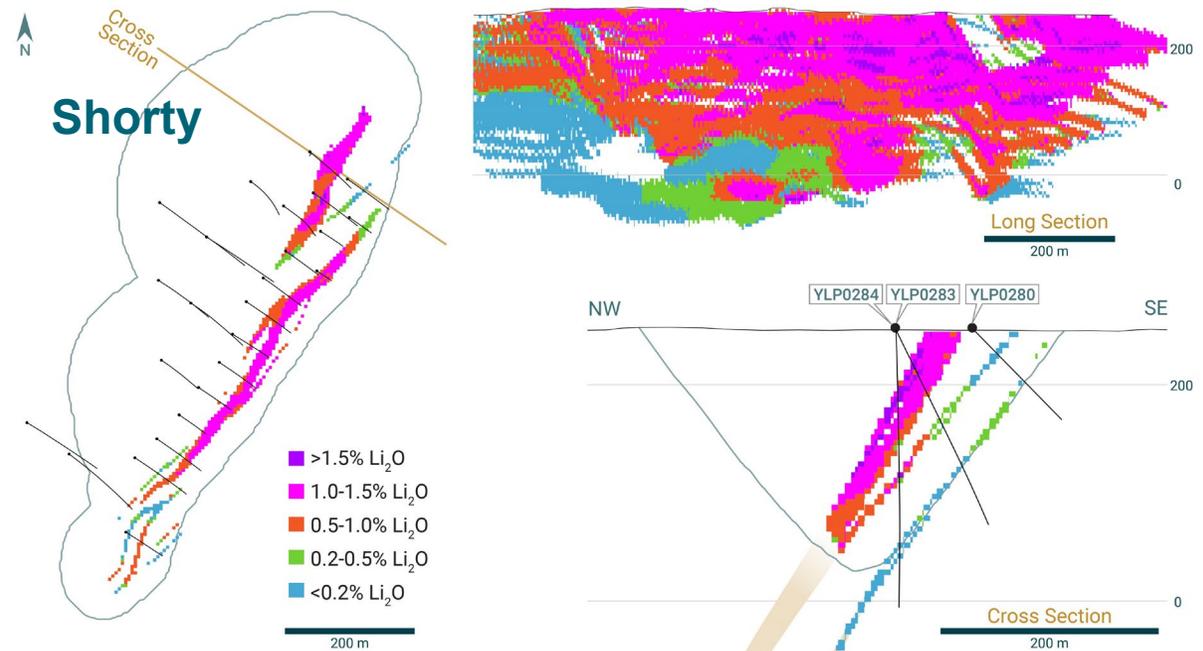
- 3 clusters of pegmatites based on locations:
  - BIG-Nite - 20 km from Yellowknife
  - Hidden Lake (Fi-Ki-Shorty) – 50 km from Yellowknife
  - Echo – 110 km from Yellowknife
- Proximity to infrastructure, resource base, and processing characteristics will determine the location of an eventual mining operation

# Block Models

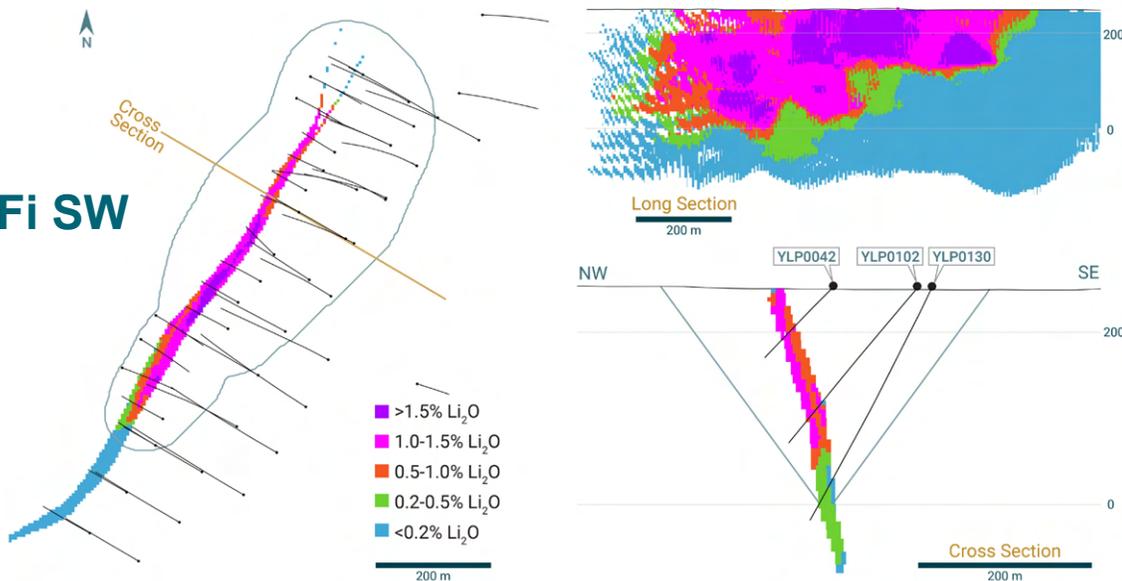
## Big East



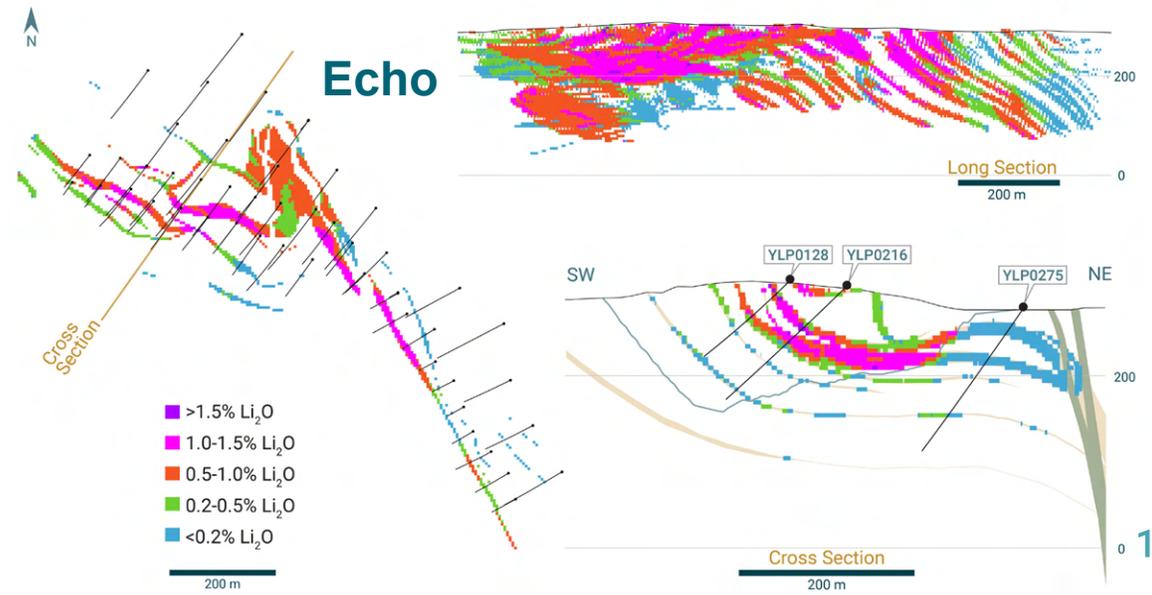
## Shorty



## Fi SW

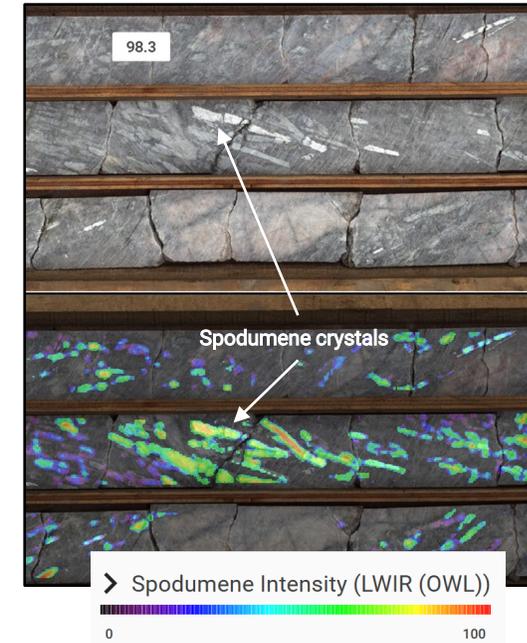


## Echo



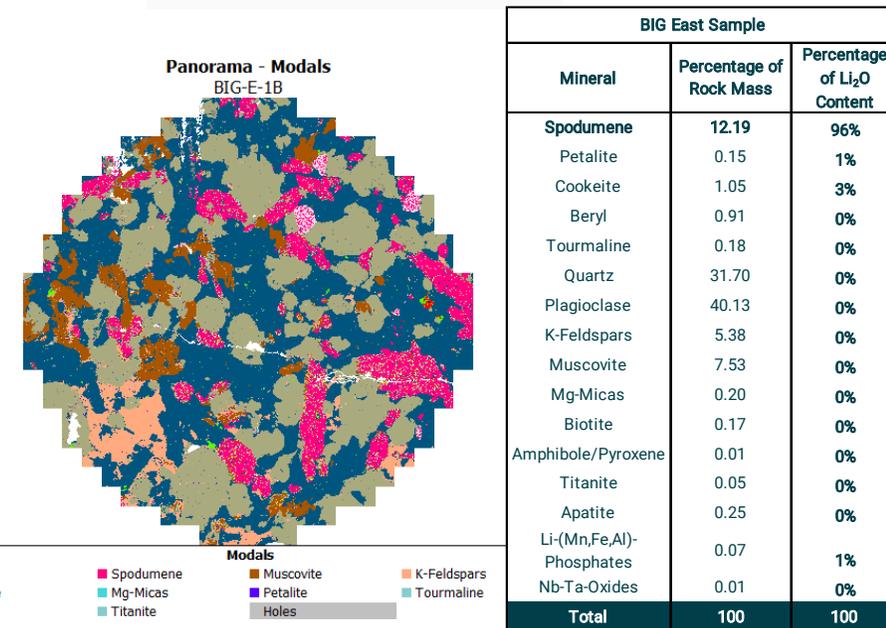
# Metallurgical testing ongoing

- 9 tonnes of rock collected from 8 pegmatites in 2023 for metallurgical sampling
- Preliminary mineralogy suggests that the vast majority of lithium (~95%) within the rock is hosted within spodumene
- All pegmatite intervals intersected in drilling have been scanned with hyperspectral
  - Hyperspectral has been used to classify all spodumene crystals and other mineralogy
  - <1% lithium-bearing mica, <1% petalite
- Metallurgical testing is ongoing - Results expected to be released in coming months



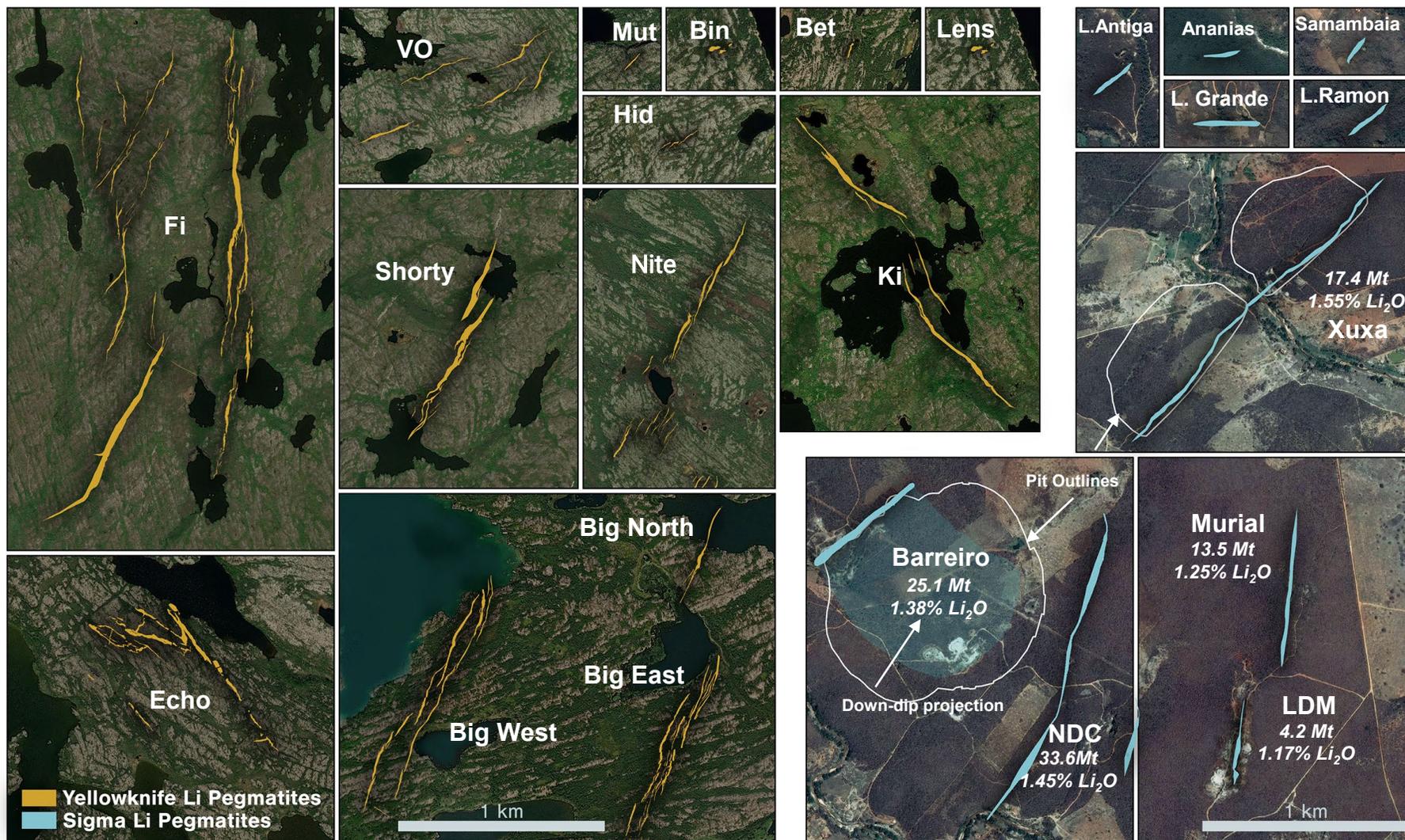
## Historical metallurgical testing was positive

- Metallurgical testing completed by Equinox Resources in 1987 showed that a spodumene concentrate between 5-6%  $Li_2O$  could be produced at an **overall recovery of 80%**:
  - Only gravity concentration by tabling and flotation tests were conducted
  - Low iron content – 0.7% in spodumene concentrate



# Yellowknife Lithium Project vs. Sigma Lithium

Yellowknife and Sigma pegmatite districts: multiple dykes which could contribute to a global resource



- Sigma Lithium's Groto do Cirolo project is very similar geologically to LIFT's Yellowknife Lithium Project

- Both are pegmatite districts that have multiple dykes feeding into a global resource

Groto do Cirolo resource:

109 Mt at 1.39%  $\text{Li}_2\text{O}$

- When the scale of the Yellowknife Project is compared to Groto do Cirolo the size potential is evident

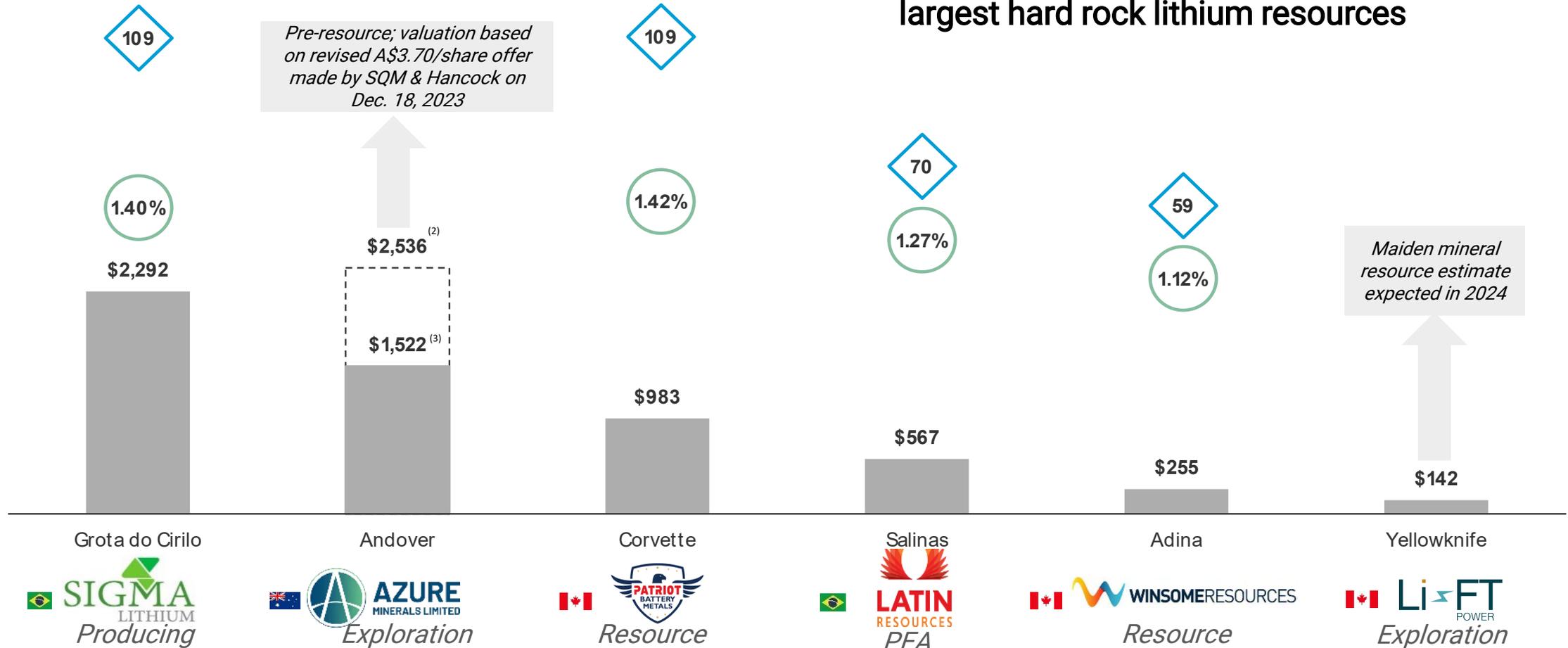
<sup>1</sup>Surface projects are based on descriptions within Sigma's feasibility studies, publicly released drill hole results, and digitized pit outlines. Actual surface projections of mineralization may differ than what is portrayed on the map. This figure is for a qualitative comparison and is not guaranteed to be accurate

# Peer Benchmarking

## Market Value and Asset Overview

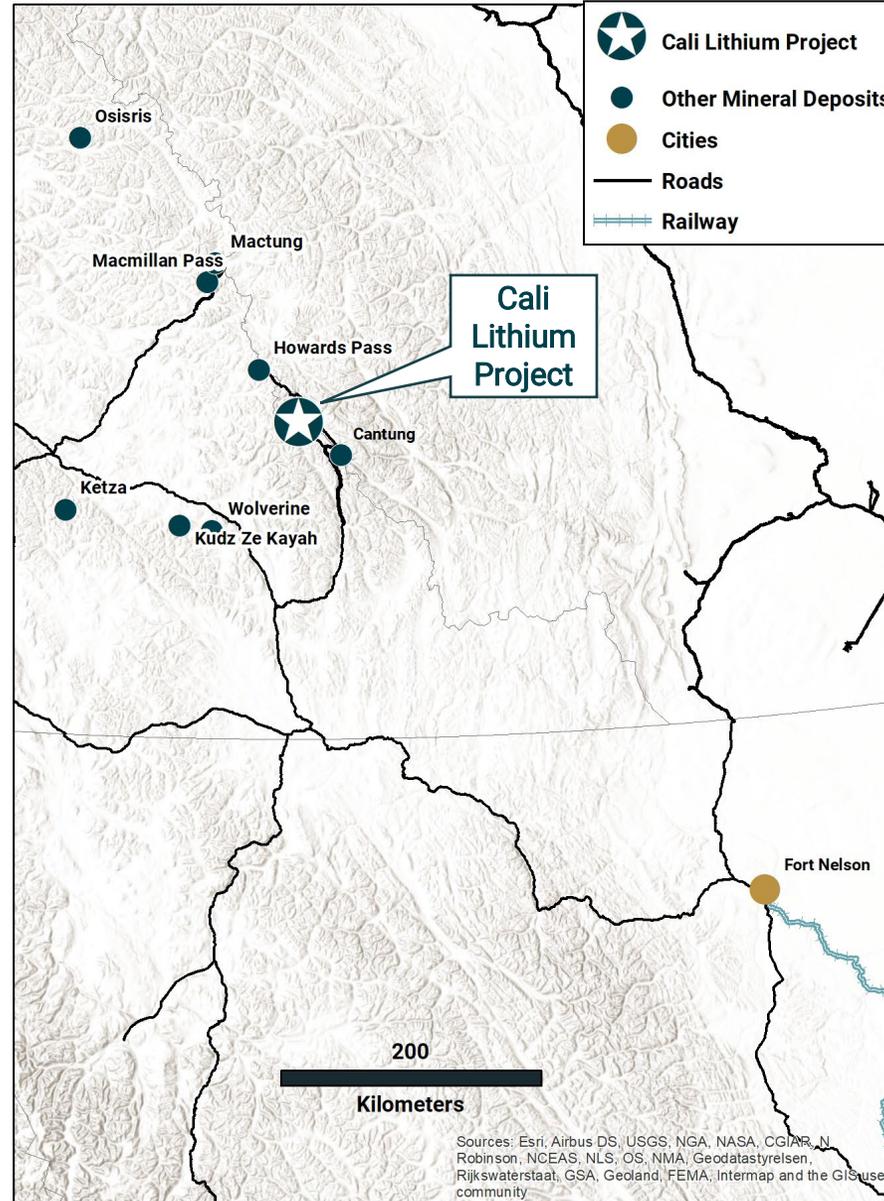
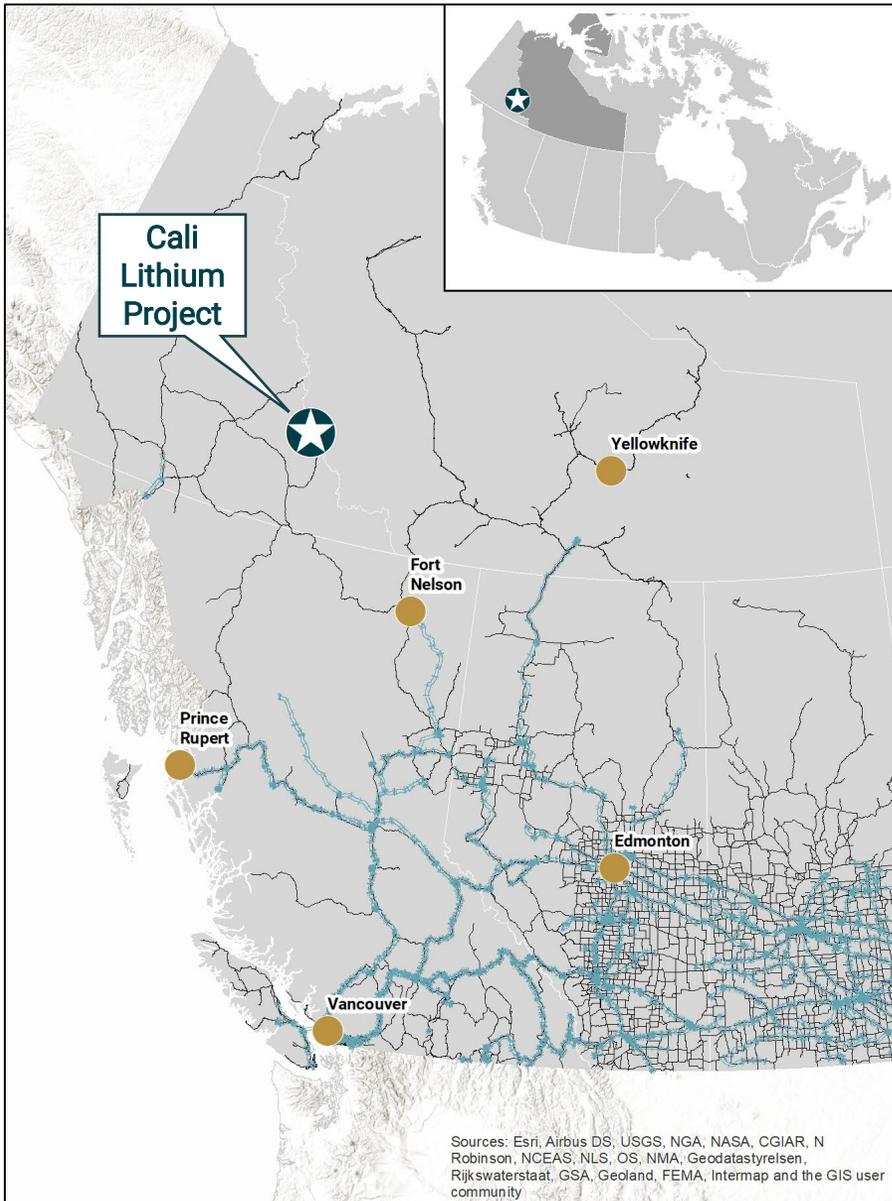
■ Market Cap (C\$M) 
 ◇ Ore Tonnage (Mt)<sup>(1)</sup>
○ Grade (% Li<sub>2</sub>O)<sup>(1)</sup>

Li-FT's upcoming mineral resource is expected to further solidify Yellowknife as one of North America's largest hard rock lithium resources



• Source: Capital IQ, Company filings; Priced as of May 1, 2024  
 (1) Total resources; shown on an inclusive basis and includes inferred  
 (2) Implied 100% read through value based on 60% interest  
 (3) Implied 100% equity value based on SQM takeover offer expected to be implemented on May 9, 2024

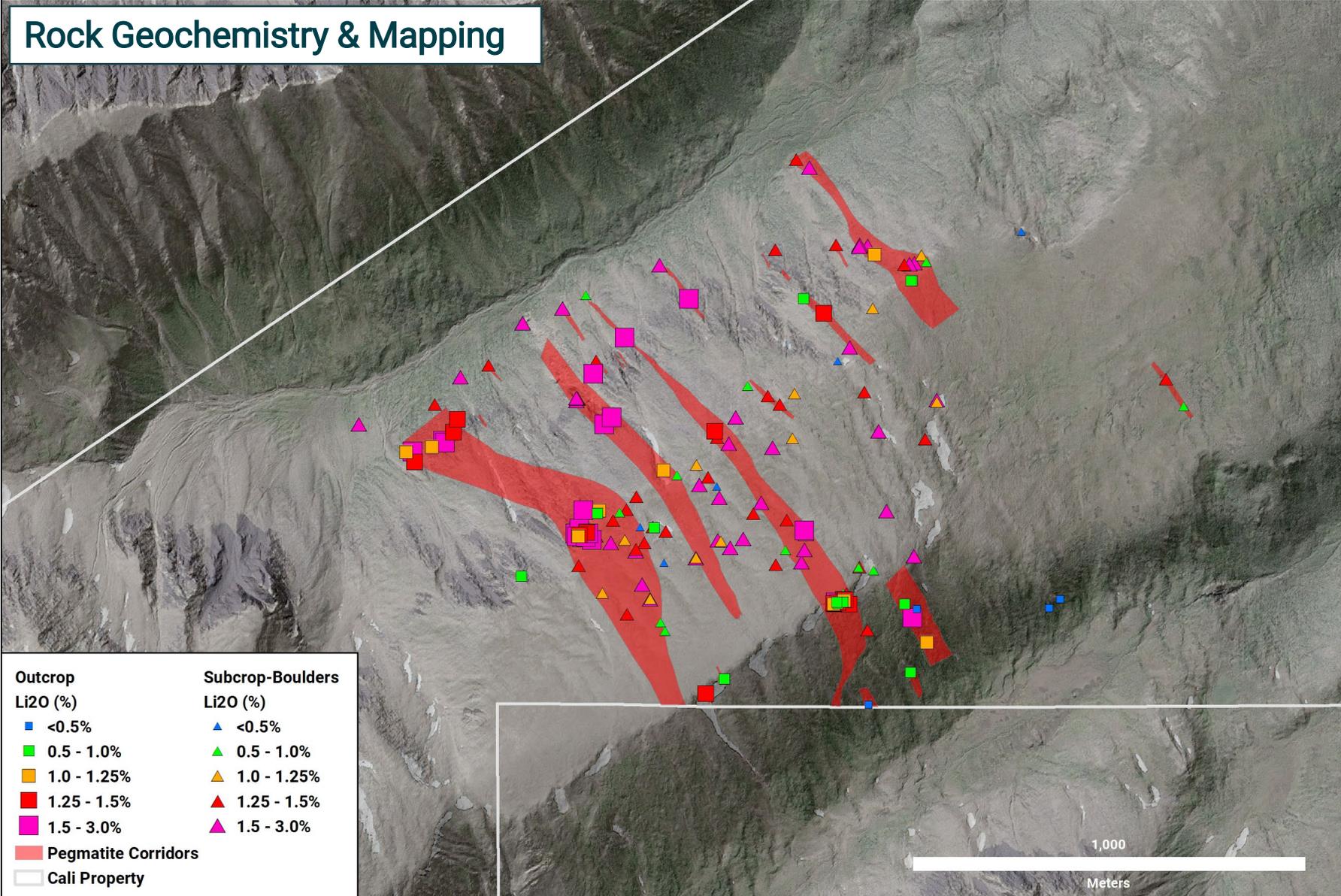
# Cali Lithium Project - Location



- The Cali Lithium Project is located on the border of the Northwest Territories and Yukon Territory
- 50 km to the north of the past-producing Cantung mine
  - Cantung has an airstrip, laydown, and other infrastructure
- Howard's Pass Access Road touches the edge of LIFT's claims and is 6 km from the deposit area
- ~850 km by road from Cali to rail in Fort Nelson
  - Possible to get spodumene concentrate to Prince Rupert or Edmonton (if a refinery was ever built there)

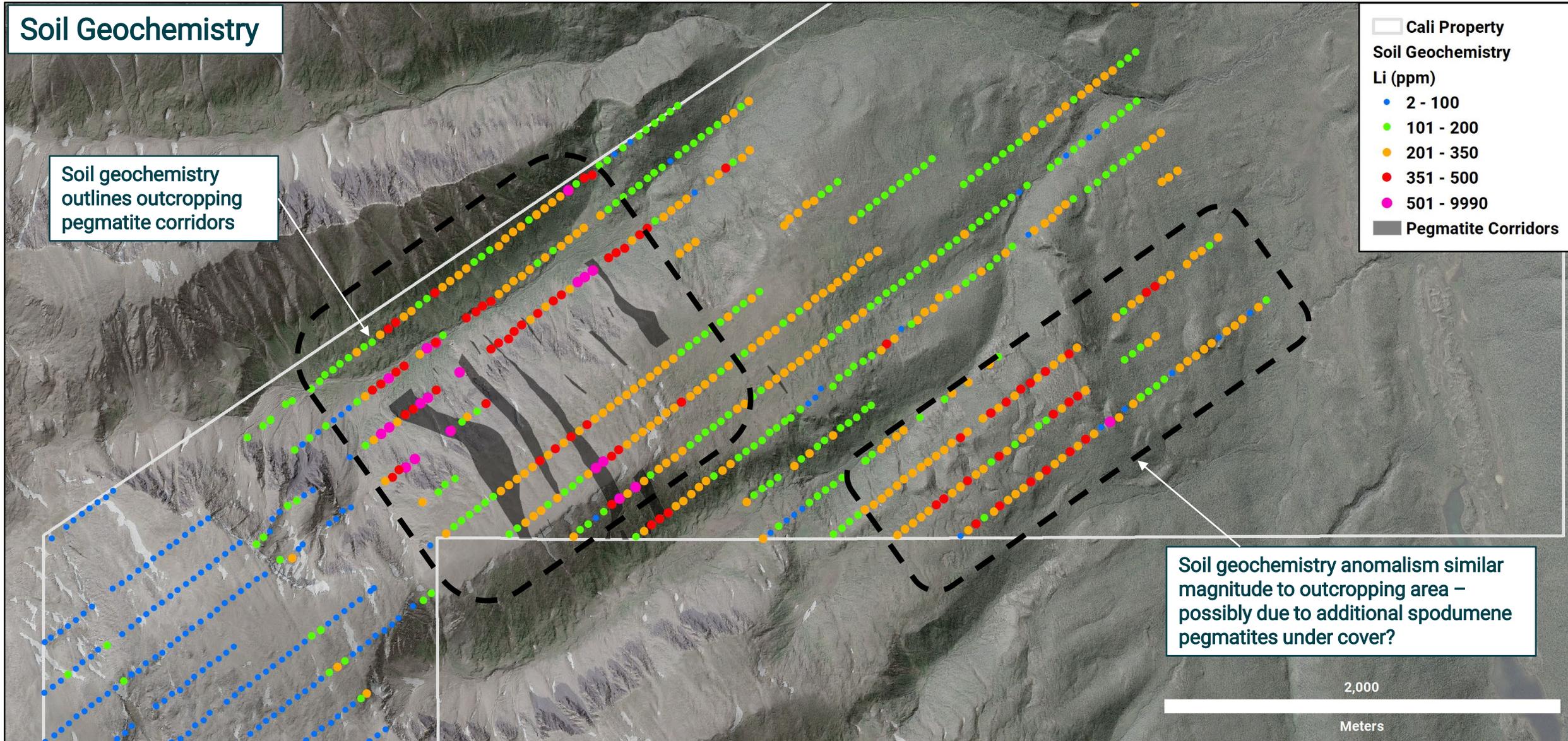
# Cali – The heart of a spodumene pegmatite district

## Rock Geochemistry & Mapping

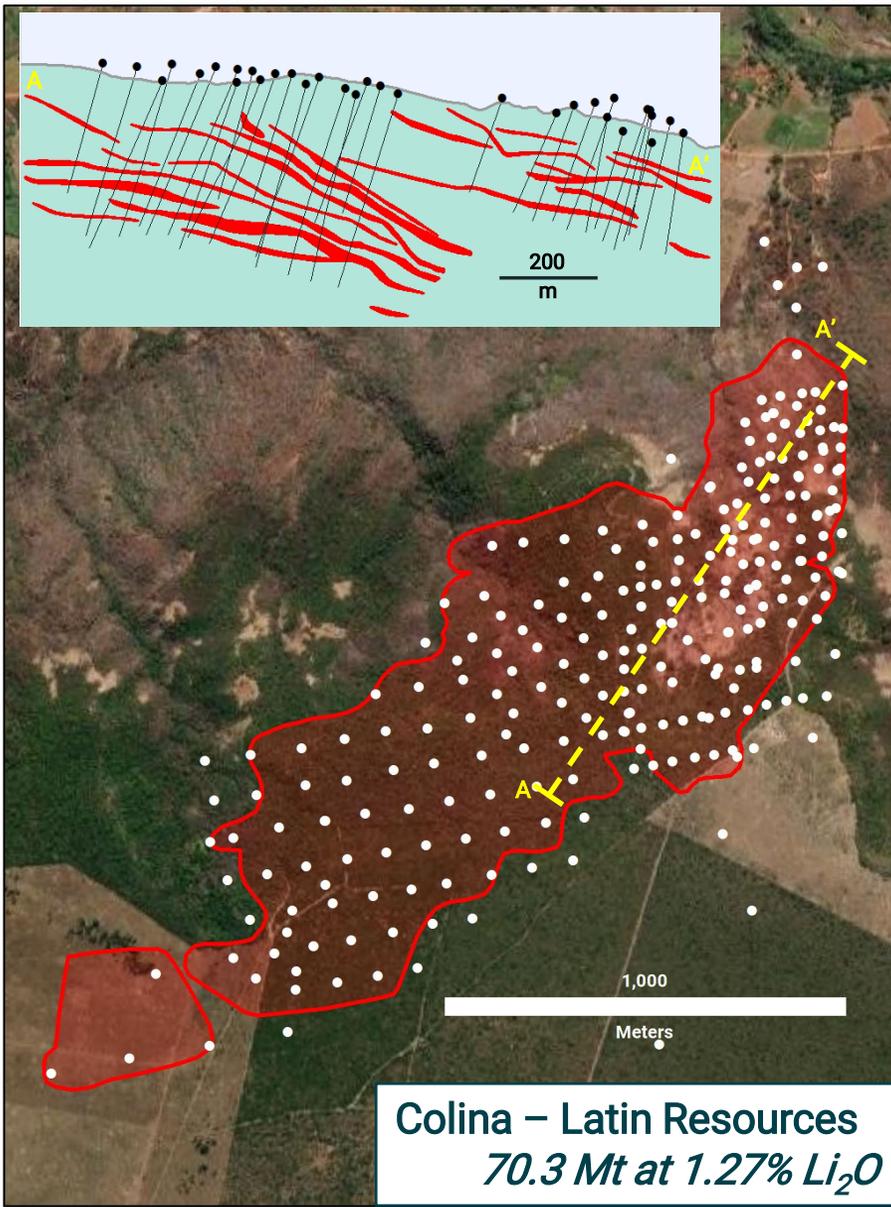
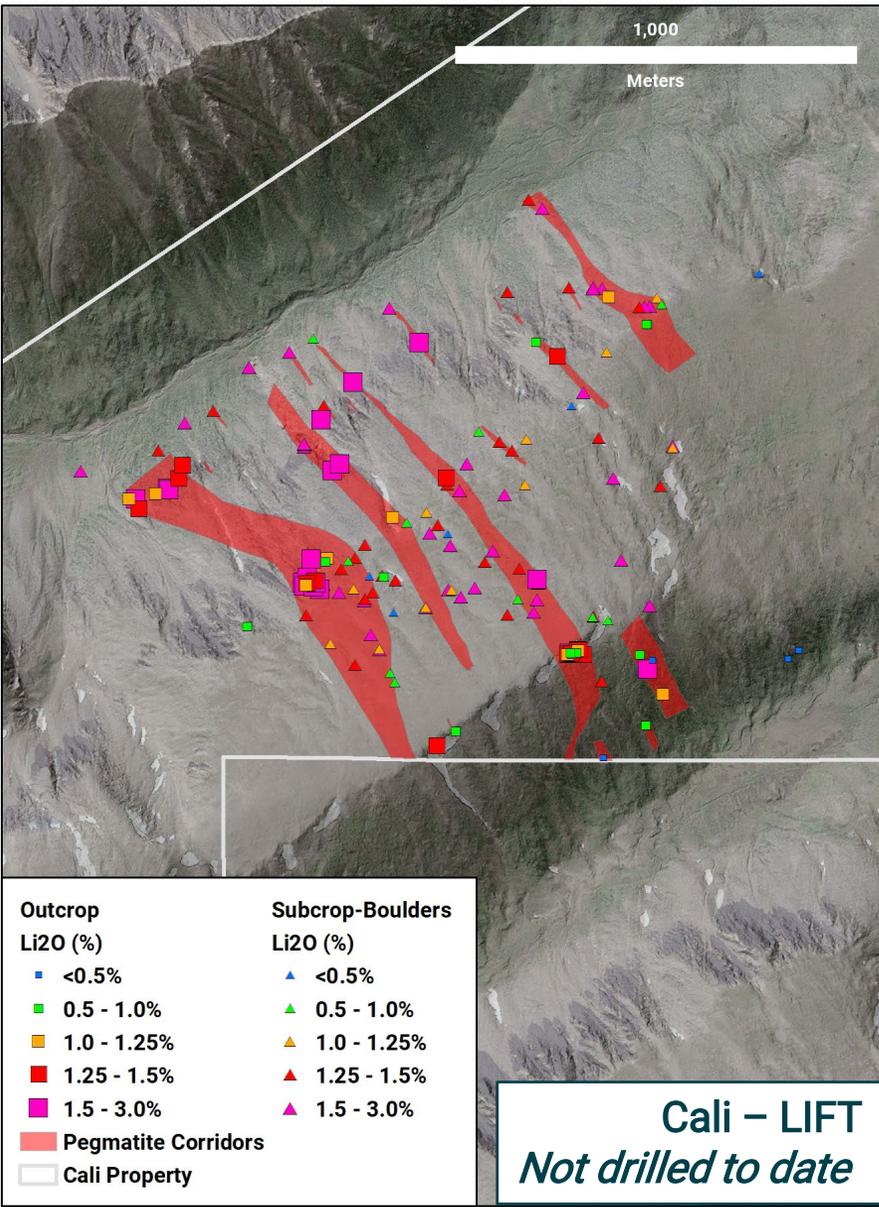


- Prospecting and mapping in summer of 2023 defined a number of spodumene pegmatite corridors/dyke swarms
- 1.5 km by 1 km area contains many individual dykes
  - Thicknesses observed were between 1 – 15 m
- High-grades observed in most dykes
  - 124 out of 163 grab samples returned grade of >1% Li<sub>2</sub>O

# Cali – The heart of a spodumene pegmatite district



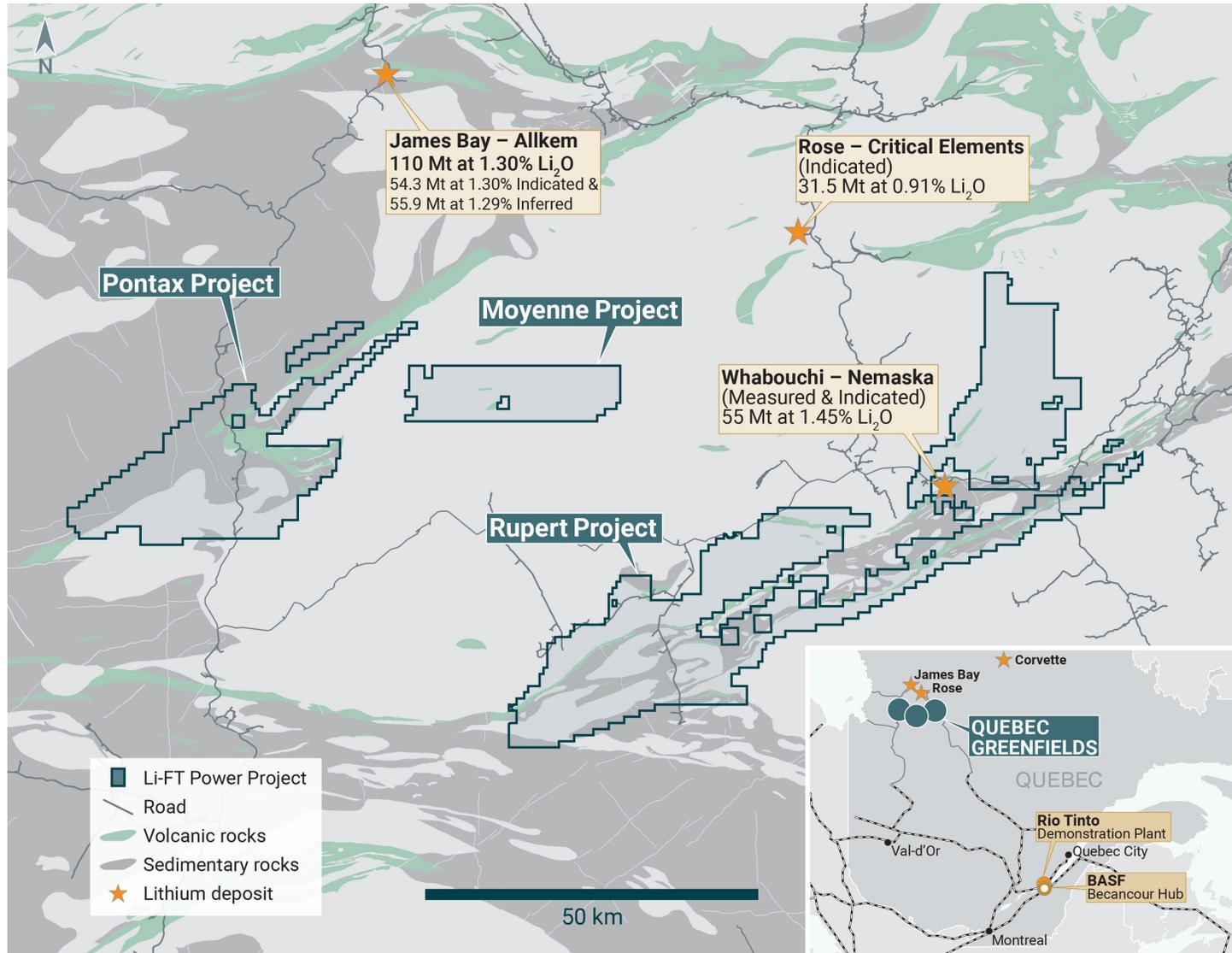
# Cali vs. Colina (Latin Resources)



- Cali has a similar footprint to Latin Resources' Colina lithium deposit in Brazil
- Similar geological setting – pegmatite dyke swarms with many narrow dykes
- Potential for Cali to have similar resource base at Colina
- Drilling needed to define the size and geometry of the pegmatite dyke swarms

# Quebec Greenfields

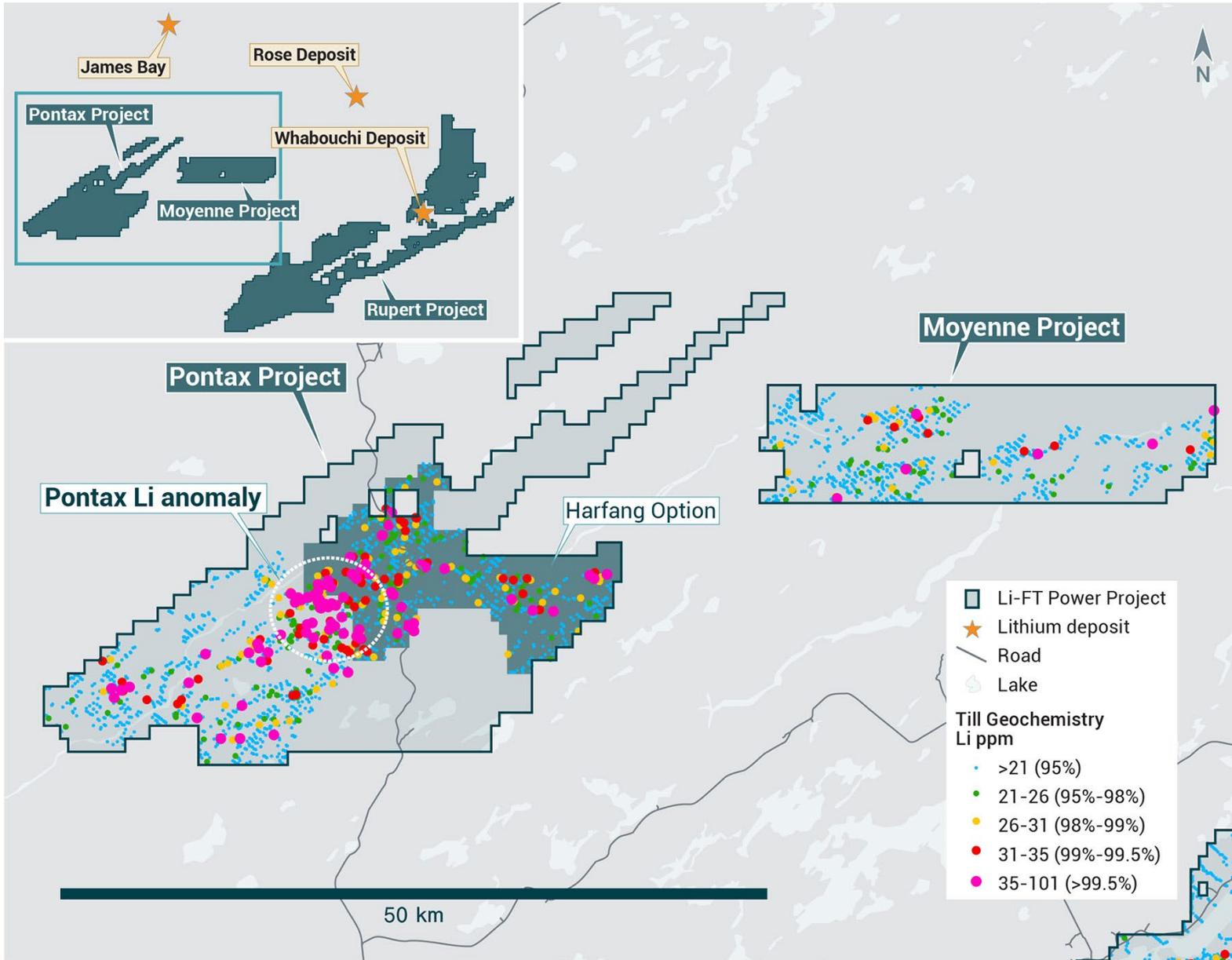
## Greenfields Exploration targeting Li pegmatites under cover in a prospective district



- Li-FT has 3 projects in James Bay, Quebec; total area of 2,282 km<sup>2</sup>
  - RUPERT
  - PONTAX
  - MOYENNE
- The Rupert Project surrounds the Whabouchi Li deposit and covers ~1,000 km<sup>2</sup> of similar geology
- The Pontax Project covers a similar geological setting that hosts the James Bay Li deposit

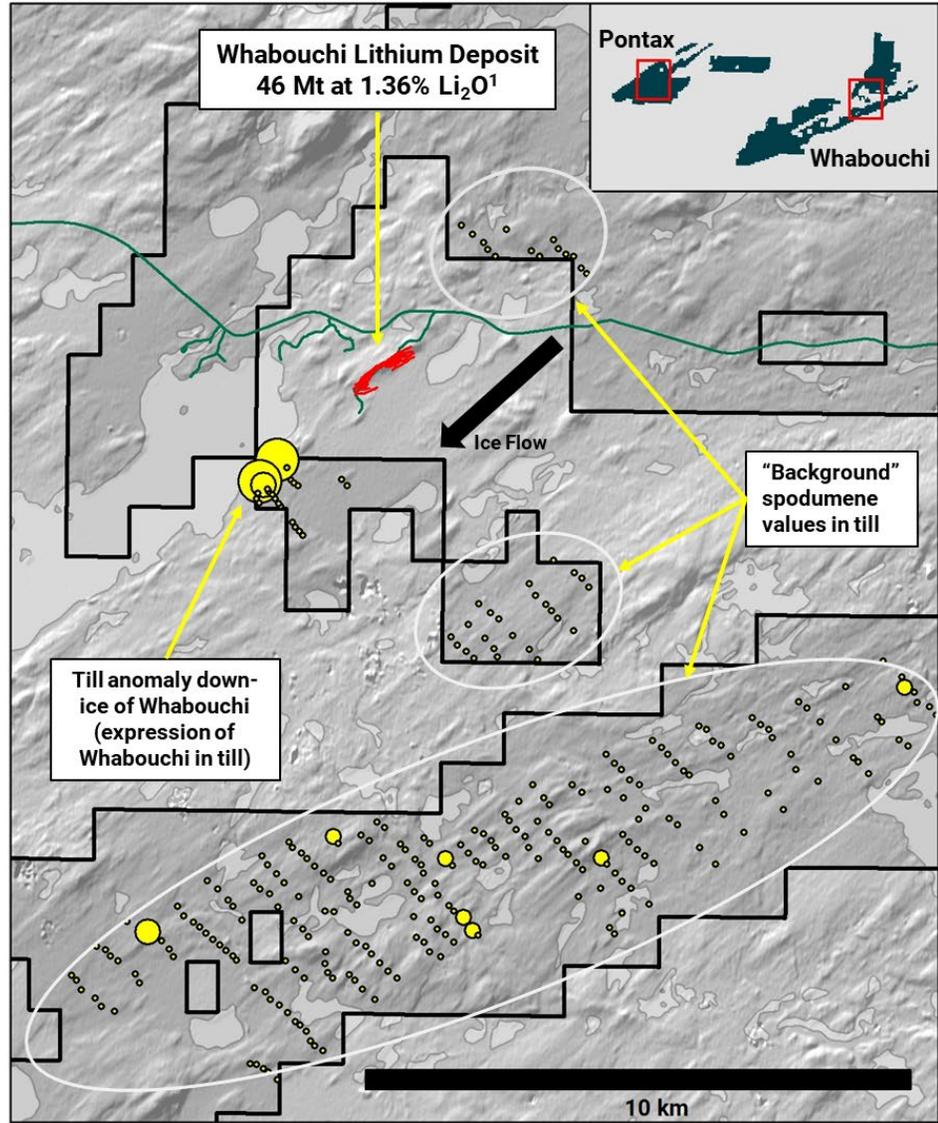
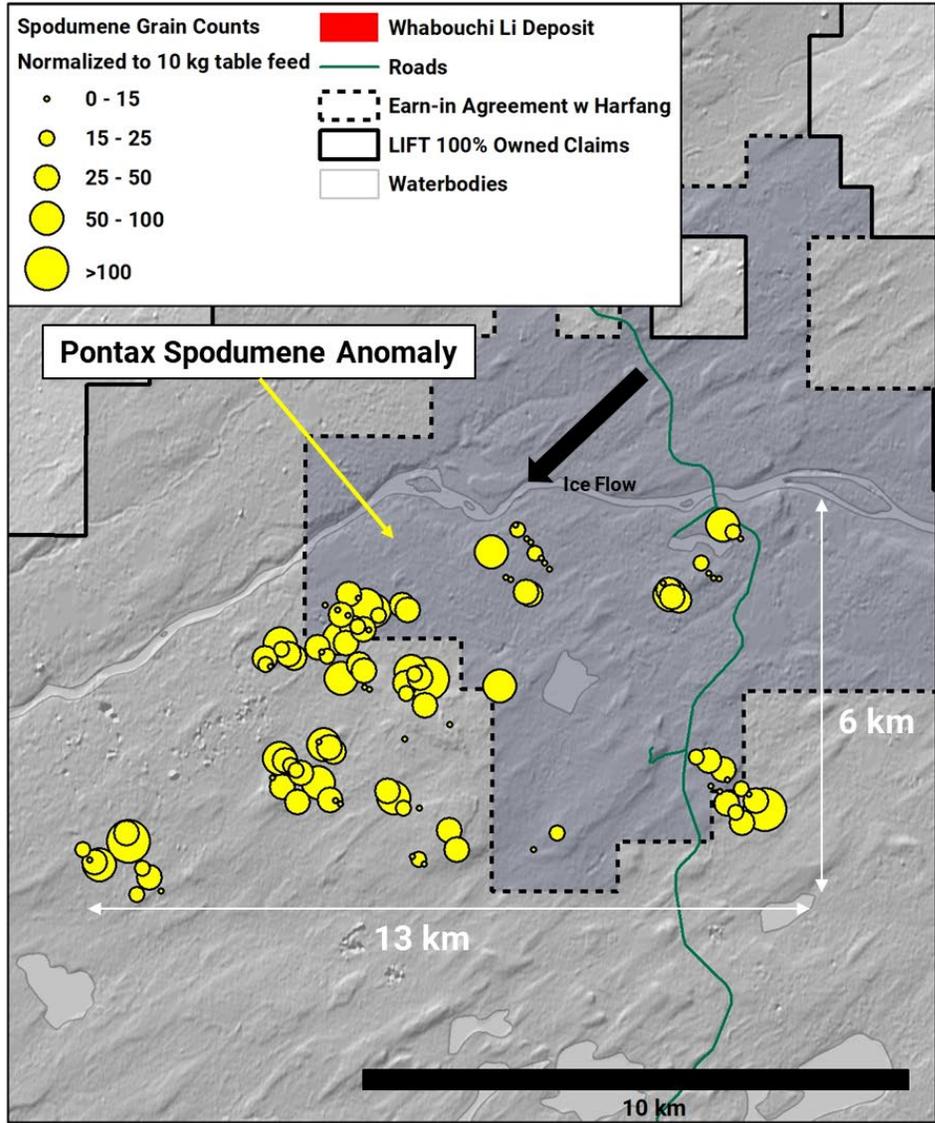
\*Mineral resource estimate from 43-101 technical report titled "NI 43-101 TECHNICAL REPORT FEASIBILITY STUDY ON THE WHABOUCHI LITHIUM MINE AND SHAWINIGAN ELECTROCHEMICAL PLANT" dated February 21, 2018, authored by Dupere et al. Resource quoted is within Table 1.4 – Whabouchi Deposit in Pit Mineral Resource Estimate: Measured – 16,953,000 tons at 1.57% Li<sub>2</sub>O, Indicated – 20,403,000 tons at 1.41% Li<sub>2</sub>O (Cut-off grade of 0.30% Li<sub>2</sub>O)  
 \*Mineral resource estimate from 43-101 technical report titled "ROSE LITHIUM TANTALUM PROJECT FEASIBILITY STUDY - NI 43-101 TECHNICAL REPORT" dated July 26, 2022, authored by Pelletier et al. Resource quoted is within Table 1.1 – Project Mineral Resource Estimate. Indicated – 31,500,000 tons at 0.91% Li<sub>2</sub>O (Cut-off grade of \$31.40/t NSR for open pit, \$112.12/t NSR for underground)  
 \*Mineral resource estimate from 43-101 technical report titled "Independent Technical Report for the James Bay Lithium Project, Québec, Canada" dated "February 5, 2018, authored by Bernier and Chartier. Resource quoted is within Table i: Mineral Resource Statement", James Bay Lithium Project, Québec, SRK Consulting (Canada) Inc., November 23, 2017. Indicated – 40,330,000 tonnes at 1.40% Li<sub>2</sub>O (Cut-off grade of 0.62% Li<sub>2</sub>O)

# Pontax-Moyenne – Extensive Lithium Geochem Anomaly



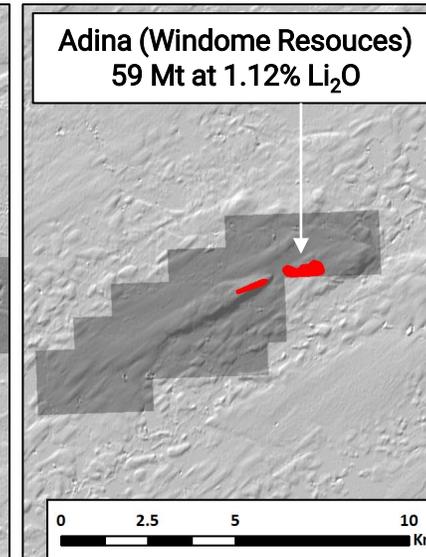
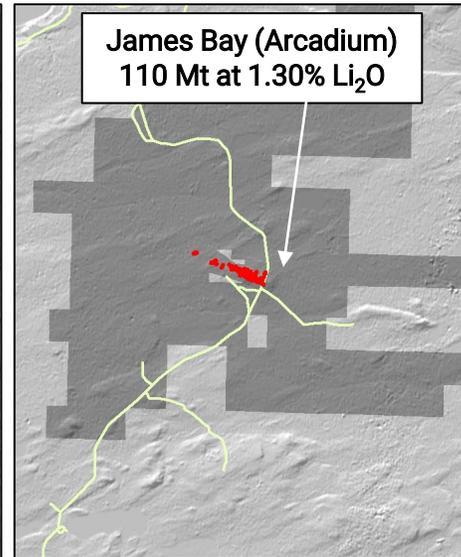
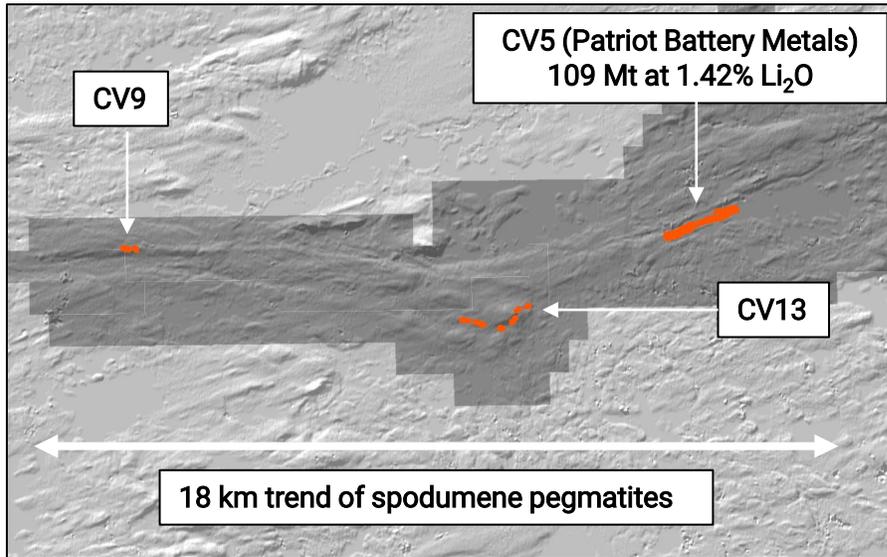
- Pontax Project contains the most extensive Li anomaly within the Quebec Projects
- The Pontax Project is composed of claims that are 100% owned by Li-FT and the Harfang Option, where Li-FT can earn up to 70% (July 21, '22 PR). Moyenne is 100% owned
- Pontax is road accessible with the Billy Diamond Highway running through the center of the property. Moyenne is helicopter-only access
- Li-FT completed 2,645 till geochemistry samples over the Pontax and Moyenne Projects in 2022.

# Pontax – 13 km by 6 km spodumene anomaly (in till)



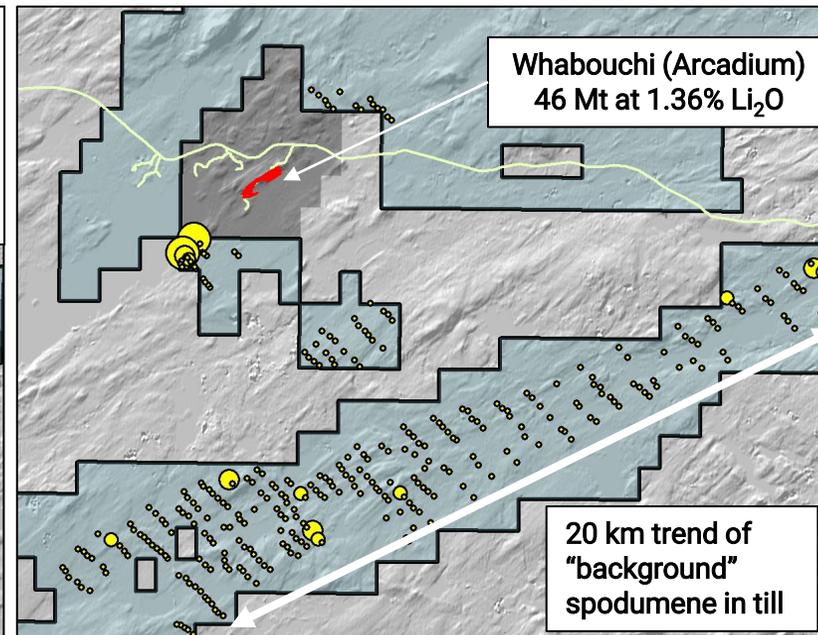
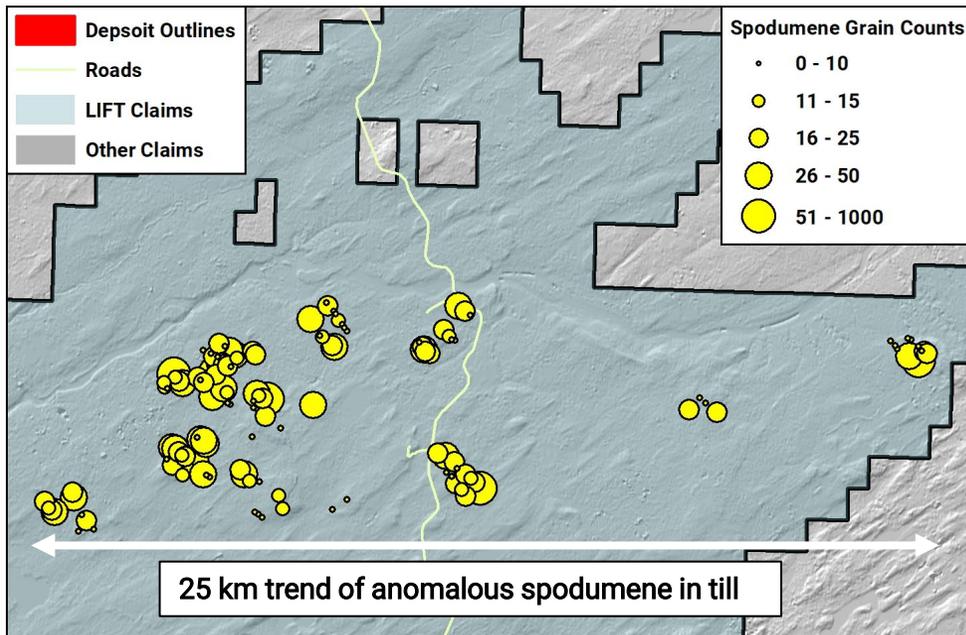
- 13 km by 6 km spodumene-in-till anomaly located within the Pontax Project
- The number of spodumene grains in till at Pontax is similar to the spodumene counts located down-ice of the Whabouchi lithium deposit
- The areal extent of the Pontax spodumene anomaly is much larger than Whabouchi
- Potential from multiple spodumene pegmatites within the Pontax project

# Pontax Spodumene Counts – Scale comparisons



- The scale of the Pontax spodumene grain-in-till anomaly is similar in scale to the CV trend of pegmatites owned by Patriot Battery Metals

- Potential for multiple significant deposits similar in scale to other James Bay lithium deposits beneath glacial sediments at Pontax

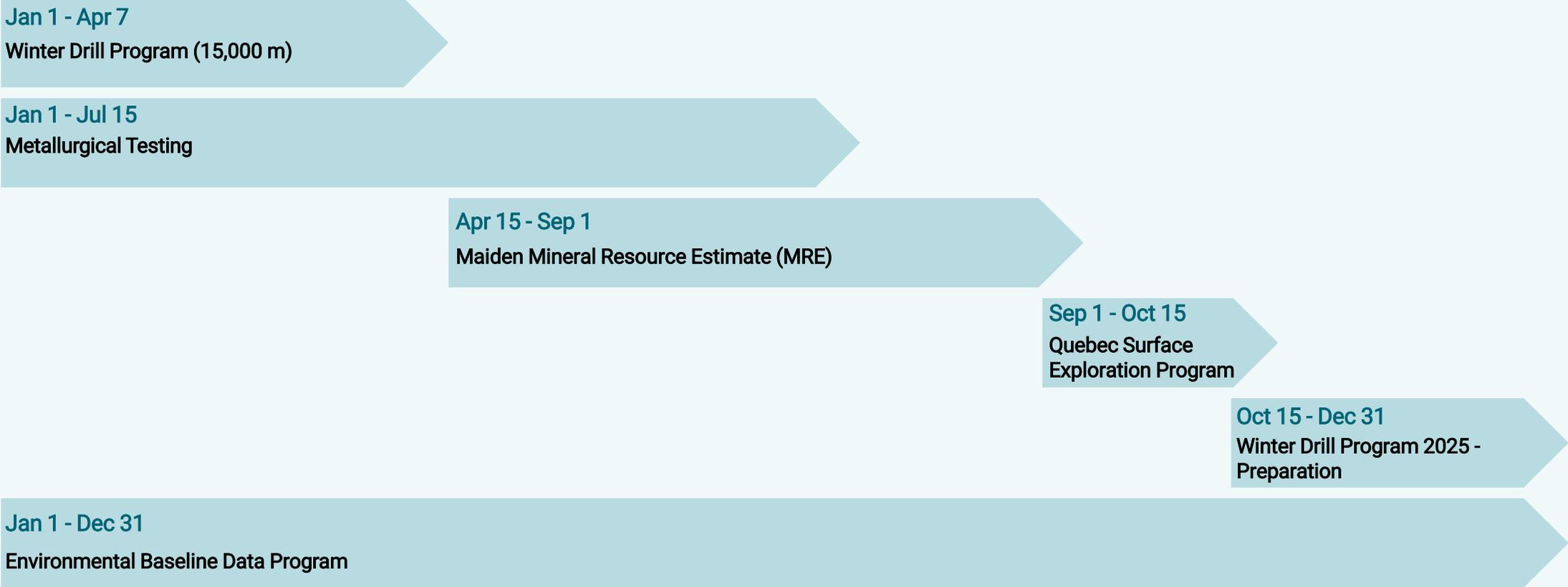


- 20 km trend of "background" values to the southeast of Whabouchi shows what we are "not" looking for:

- *Just as important to understand what is NOT an anomaly as what IS an anomaly!*

- Excellent access – within 10km of the Billy Diamond paved highway

# Timeline & Catalysts



Cut-off for Drilling into MRE

Apr 7



2024



2025

# Share Structure

## Capital Structure

As Of May 6th 2024

|                                    |            |
|------------------------------------|------------|
| Issued and Outstanding             | 42,733,337 |
| Options                            | 1,105,000  |
| Fully Diluted                      | 43,838,337 |
| Market Capitalization (@\$3.25/sh) | \$139.0M   |
| Cash Position                      | \$8.0M     |

## Top Institutional Holders

| Top Institutional Holders      | Style  |
|--------------------------------|--------|
| 1. Commodity Capital AG        | Growth |
| 2. Extract Capital             | Growth |
| 3. Tribeca Investment Partners | Growth |

## Analyst Coverage



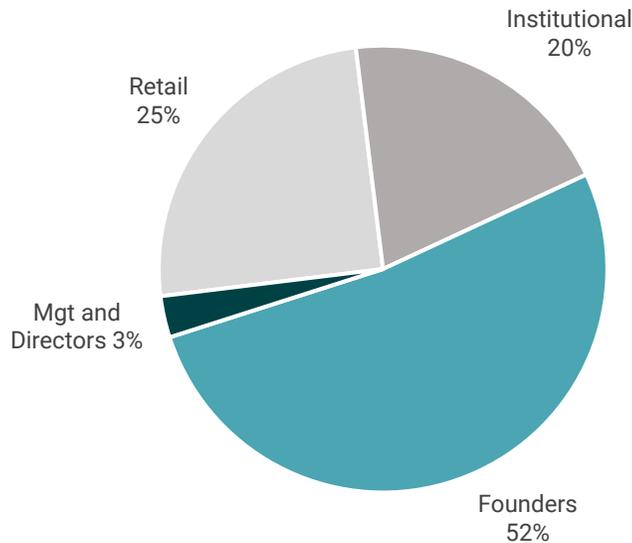
Katie Lachapelle, CPA



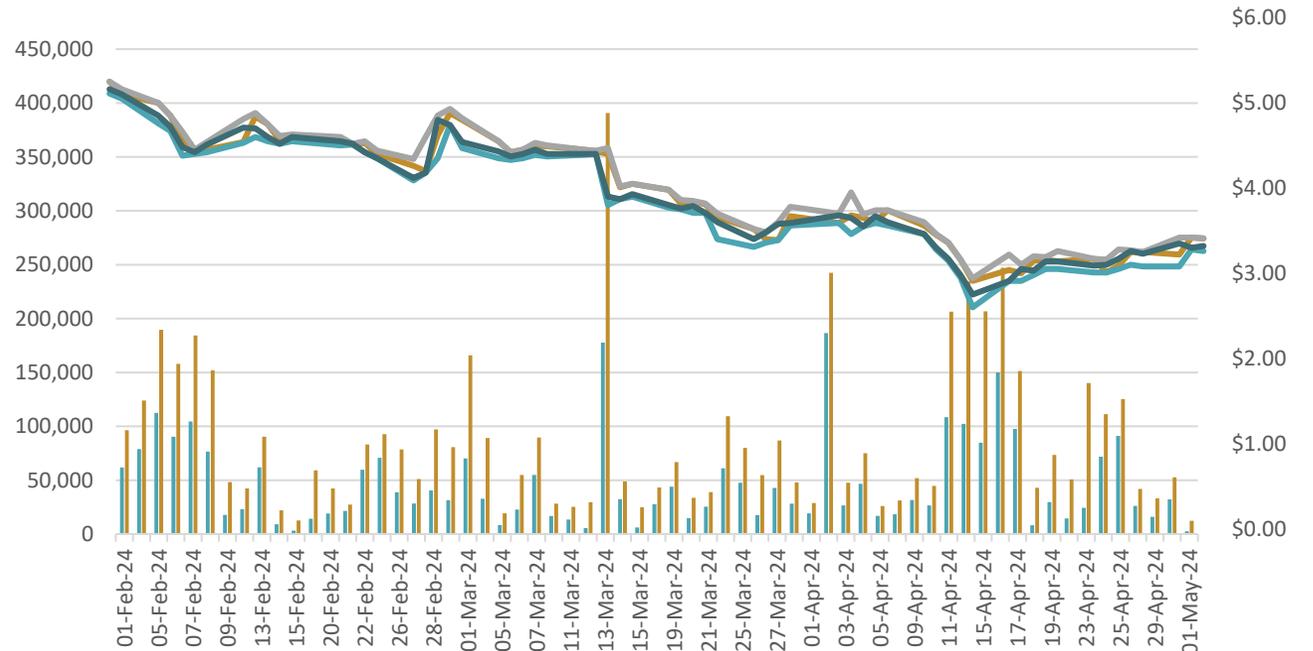
Brandon Gaspar



Ahmad Shaath



Average Volume 43,811 (3 month)  
 52 wk high \$10.37  
 52 wk low \$2.60





# Li-FT Power Highlights



One of the most exciting exploration portfolios of hard rock lithium projects in North America

Resource Estimate at the Yellowknife Lithium Project in H2/2024

Environmental Work advancing through 2024

Drill Target Definition at the Pontax Project in 2024

Metallurgical Testing Results at the Yellowknife Lithium Project in H2/2024

## Experienced Team

World-class Hard-rock Lithium Potential

Indigenous Involvement

3 Projects in the pipeline

Well-financed, Tight Share Structure

Strong ESG Profile

# CONTACT

## Head Office

1218 - 1030 West Georgia Street  
Vancouver, BC V6E 2Y3

Email: [Investors@Li-FT.com](mailto:Investors@Li-FT.com)

**Francis MacDonald**

CEO

**Alex Langer**

President

**Daniel Gordon**

Investor Relations Manager

Follow us:



@Li\_FTPower



Li-FT Power

[www.li-ft.com](http://www.li-ft.com)



[www.li-ft.com](http://www.li-ft.com)

TSXV: LIFT | OTCQX: LIFFF | FRA: WS0

