

HARD ROCK LITHIUM EXPLORATION IN CANADA



TSXV: LIFT | OTCQX: LIFF | FRA: WS0

www.li-ft.com

April 2024

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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

EXPLORATION TARGET

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

ESG

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

¹ 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

- Existing roads and rail
- 60 km outside Yellowknife

TEAM

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



EXPEDITED STRATEGY

- Aggressive drill plan – 50,000 m completed
- 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 is focused on exploration & development hard rock lithium deposits in Canada



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
- 49,548 m drilled as of April 2024
- Results from 286 drill holes indicate extensive widths and excellent grades

QUEBEC GREENFIELDS

Québec, Canada

- Largest land position in the James Bay region of Quebec (2,300 km²)
- Rupert project completely surrounding the Whabouchi deposit
- Systematic geochemistry sampling looking for pegmatites buried beneath glacial sediments

CALI PROJECT

Northwest Territories, Canada

- Pegmatite dyke swarm with 5-10 individual dykes over a width of 120 meters
- High-grade spodumene boulder field at surface
- Land Use permit secured, surface program completed - expected first drill program in summer of 2024

Li-FT People: Management



Francis MacDonald
CEO & Director

Mr. MacDonald has many years of experience in the mining industry and is an exploration geologist. He co-founded Kenorland Minerals, a North America-focused company generating greenfield exploration opportunities across different commodities. Prior to 2016, Mr. MacDonald worked with Newmont Mining doing greenfield exploration in Nunavut, West Africa, and East Africa.

Alex Langer
President & Director

Mr. Langer is a public markets specialist in equity financing. He worked with Canaccord Genuity to fund over 100 private and publicly listed companies in various sectors, including mining and technology. Mr. Langer, as VP of Capital Markets, was instrumental in the success of Millennial Lithium, bringing worldwide financial support and industry partners. He is the CEO & President of Sierra Madre Gold & Silver.

Andrew Marshall
Chief Financial Officer

Mr. Marshall is a Chartered Accountant and Chartered Financial Analyst with 20 years of experience in the mining sector. He previously served as CFO at a Canadian gold development company and assisted in building the company's gold project portfolio during its initial period of growth in 2015 when it acquired eight companies in just over one year. Prior to this he held finance roles at two TSX/NYSE-MKT-listed silver companies with operations in Mexico and Canada. Mr. Marshall started his career with PricewaterhouseCoopers in London. In addition, he is also CFO at a European base metals exploration/development company.

April Hayward
Chief Sustainability Officer

Dr. Hayward has over 25 years of experience in environment and sustainability with a track record of developing collaborative relationships with key stakeholders and successfully navigating projects through the regulatory system to operating permits in the Northwest Territories. She has held managerial and executive roles with the Ekati mine and Mountain Province Diamonds.



David Smithson
Senior Vice President, Geology

Mr. Smithson is an ore deposit geologist. He worked as a global specialist for Newmont and contributed to gold reserve expansions in West Africa and South America. Mr. Smithson has held senior VP exploration positions generating opportunities throughout the Americas. He is a co-founder of Tier One Silver, a silver-focused explorer in Peru, and holds an M.Sc in Economic Geology from the University of British Columbia.

Daniel Gordon
Investor Relations Manager

Mr. Gordon has 10 years of experience in the investor relations role. He has collaborated with numerous publicly traded resource companies, spanning from exploration to development and production stages. He has adeptly implemented investor relations initiatives to enhance exposure, foster shareholder trust, and boost valuations in the public markets.

Don Hains
Advisor

Mr. Hains is an industrial minerals exploration and economic geologist with many years' experience in development, use, and analysis of industrial minerals properties and materials. His experience covers most of the industrial minerals and several specialty metals, especially lithium, tantalum, niobium, gallium, germanium, and rare earths. He is a registered professional geoscientist in Ontario.

Wally Schumann
Advisor

Elected to the Legislative Assembly of the Northwest Territories (NWT) in 2015, Wally Schumann completed a successful term. He served as Minister of Transportation, Environment and Natural Resources, Industry Tourism and Investment, Public Works, and the first Minister of Infrastructure in the NWT. Prior to entering territorial politics, Wally served in several leadership roles and as president of the Hay River Métis government council. In this capacity, Wally was an instrumental part of the negotiating team that secured the first-ever Impact Benefit Agreement (IBA) with De Beers Canada.

Li-FT People: Directors



Iain Scarr

Director

Mr. Scarr is the founder of IMEX Consultants, an industrial minerals consultancy that operates across the entire value chain. His other experience includes an over 30-year tenure with Rio Tinto, where his most recent position was Commercial Director and VP Exploration. He was responsible for multiple mineral discoveries in North and South America and Africa. Mr. Scarr subsequently brought three lithium projects in Argentina to feasibility study stage before being acquired.

Andree St-Germain

Director

Ms. St-Germain is the CFO of Integra Resources Corp and an experienced mining executive with an extensive background in M&A, strategic planning, project development and mining finance. She began her mining career in investment banking and joined Golden Queen Mining in 2013 as CFO. During her tenure at Golden Queen, she played an instrumental role in securing project finance and overseeing Golden Queen as it transitioned from development to production. She then joined Integra Gold as CFO in early 2017 and helped oversee the sale to Eldorado Gold. Ms. St-Germain is a director of Osisko Mining Corp and Ascot Resources Ltd. Andree holds the Institute of Corporate Directors (ICD.D) designation.

Eva Bellissimo

Director

Ms. Bellissimo co-leads the Global Metals & Mining Group at McCarthy Tétrault LLP, a leading national law firm with offices in Canada, New York and London, and brings to LIFT a wide breadth of legal, financing, cross-border M&A and corporate governance expertise. With more than 20 years of experience in the mining industry, Eva has been a trusted advisor to numerous companies in the sector, having led hundreds of transactions. Named one of the Top 25 Most Influential Lawyers in Canada and recognized by Chambers Canada for her resource sector expertise, Eva has developed a strong reputation as a strategic lawyer and advisor. Eva has sat on a number of public company boards and currently chairs the governance committee at I-80 Gold Corp, a TSX and NYSE listed issuer. Eva also lectures on Mining Finance at the Osgoode Certificate in Mining Law Program.



Ken Scott

Director

Mr. Scott brings over 33 years of public company auditing experience to the Company. He retired as a partner of PwC in Vancouver in 2018, where his engagements as either the engagement leader or quality review partner included mining companies with international operations, such as SSR Mining, Lundin Gold, B2Gold and Teck Resources. He has also performed multi-location audits, advised on mergers and acquisitions, and advised on public and private financings. Mr. Scott's regulatory experience includes a leadership role on engagements selected by either the firm's internal audit quality review process or by the Canadian Public Accountability Board. Since retiring, Mr. Scott has served as a consultant and performed quality review roles for many of PwC's larger public company engagements. Mr. Scott holds a Canadian Chartered Professional Accountant (CPA) designation.

Paul Gruner

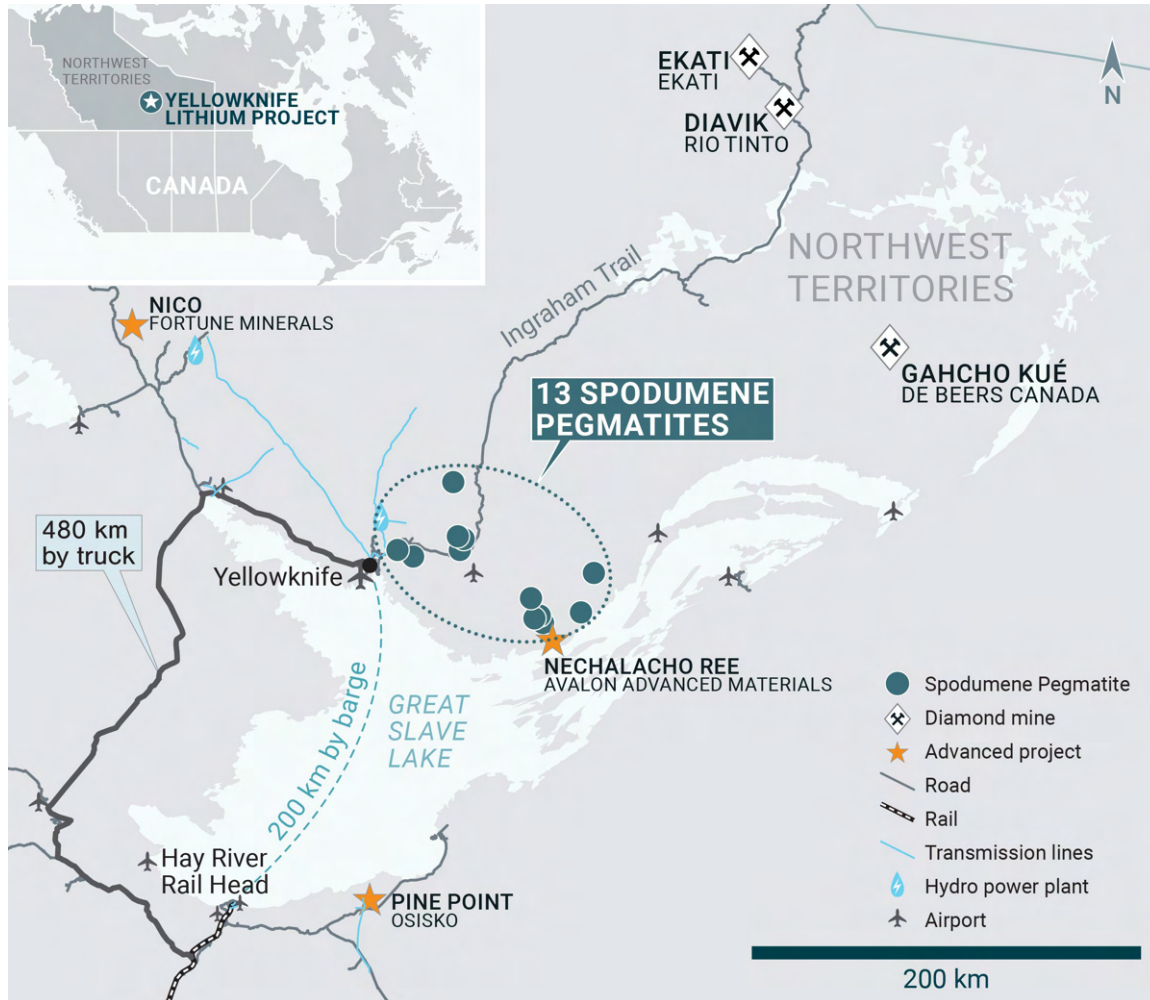
Director

Mr. Gruner, a senior executive leader with a background in renewable energy, oil & gas, and mining. He brings a wealth of experience in Indigenous business leadership across diverse regions, having previously served as the CEO for Det'on Cho Management LP, the economic arm of the Yellowknives Dene First Nation in the Northwest Territories, and the Tahltan Nation Development Corporation, the economic arm of the Tahltan Nation. Mr. Gruner currently serves as the CEO for Tłı̨ch̨o Investment Corporation, which is the economic arm of the Tłı̨ch̨o First Nation. His track record speaks volumes about his ability to achieve outstanding business results while collaborating closely with Indigenous stakeholders. He has a dynamic range of experience in strategic leadership, mergers and acquisitions, business development, strategic partnerships, financial management, project management, corporate governance, contract negotiations, capacity building and job creation for citizens, and environmental, social, and corporate governance.



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



ESG Highlights

Executive Oversight (Chief Sustainability Officer)

Strong, collaborative relationships with local Indigenous communities.

Established, effective engagement process.

Key Exploration Agreement secured.

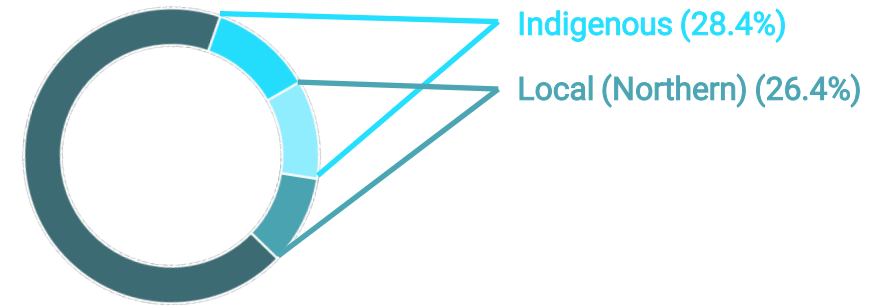
Local and Indigenous employment & procurement prioritised.

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, Tłıchǫ Citizen



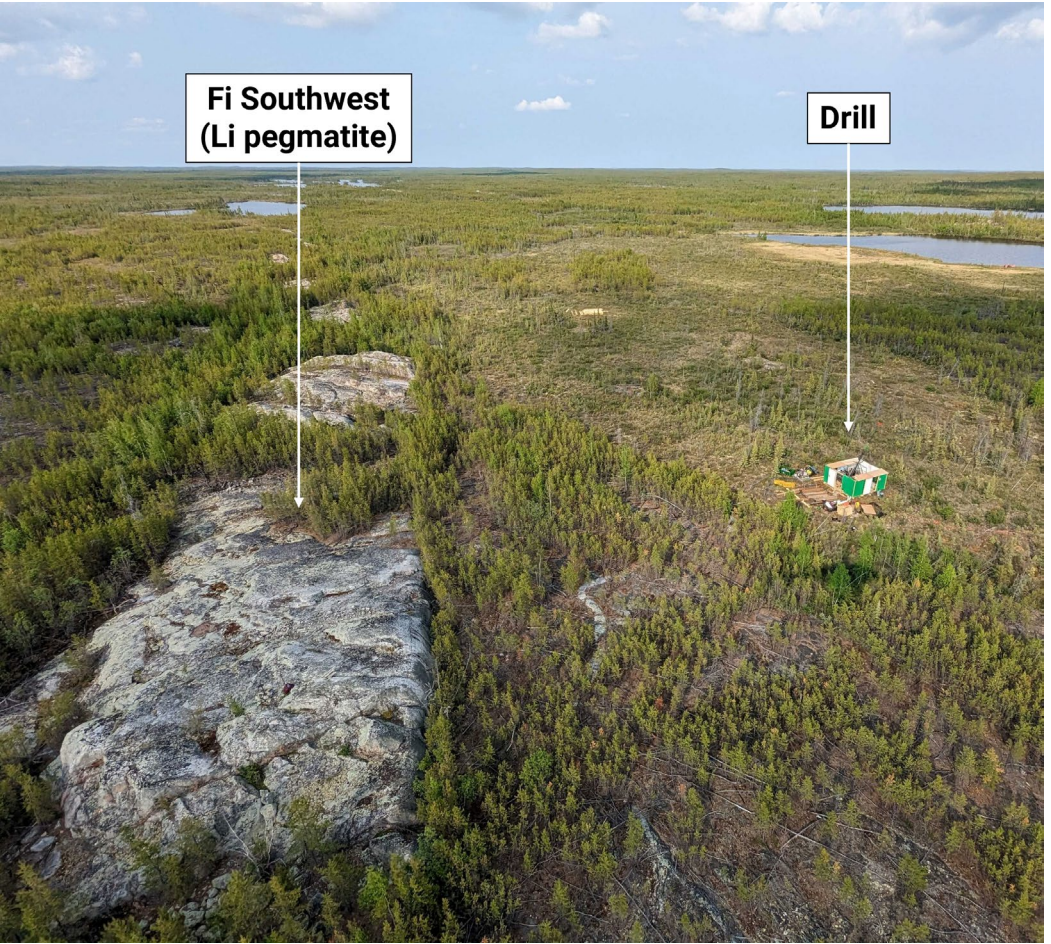
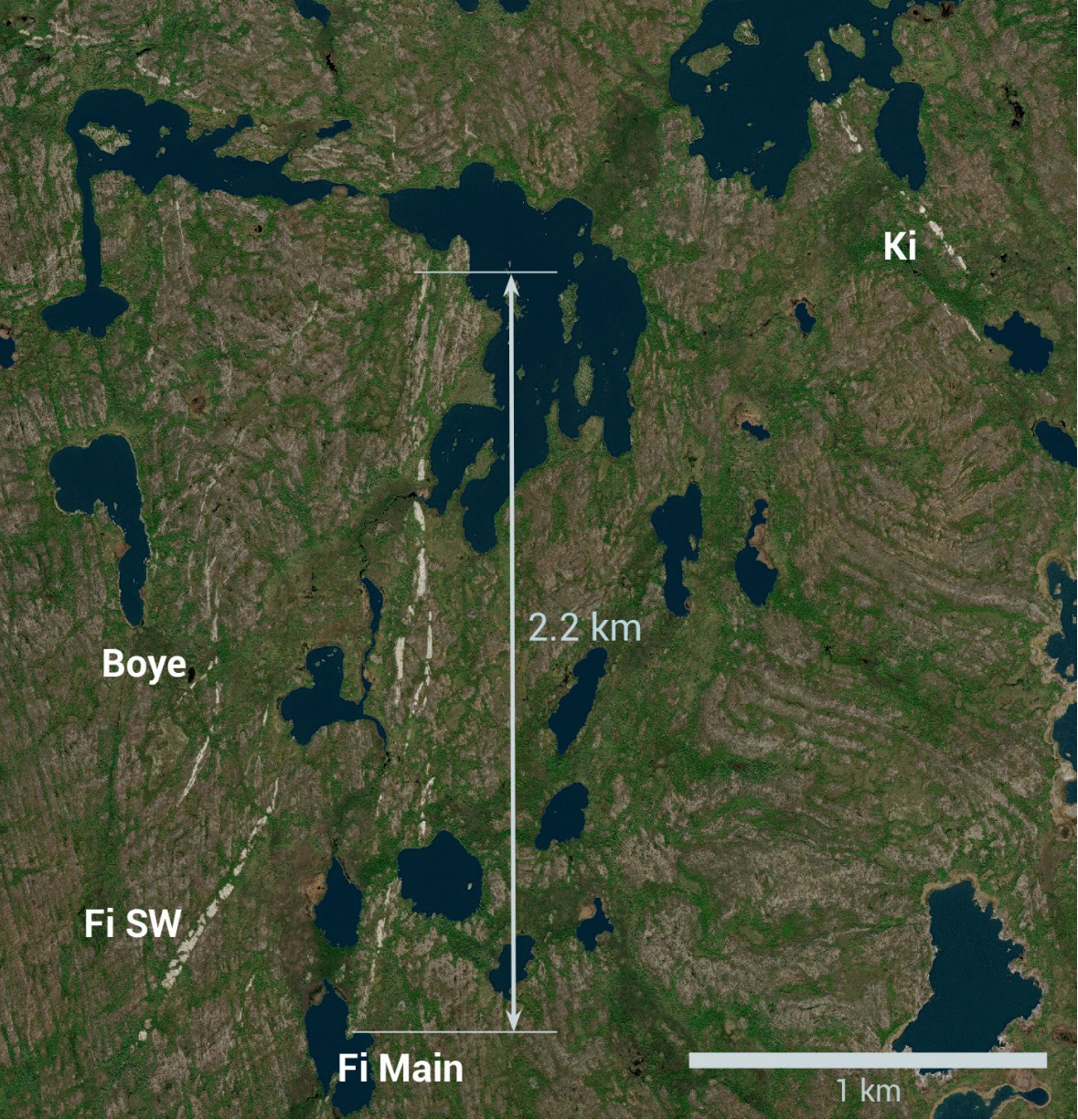
Keith Sangris, Yellowknives Dene First Nation Member



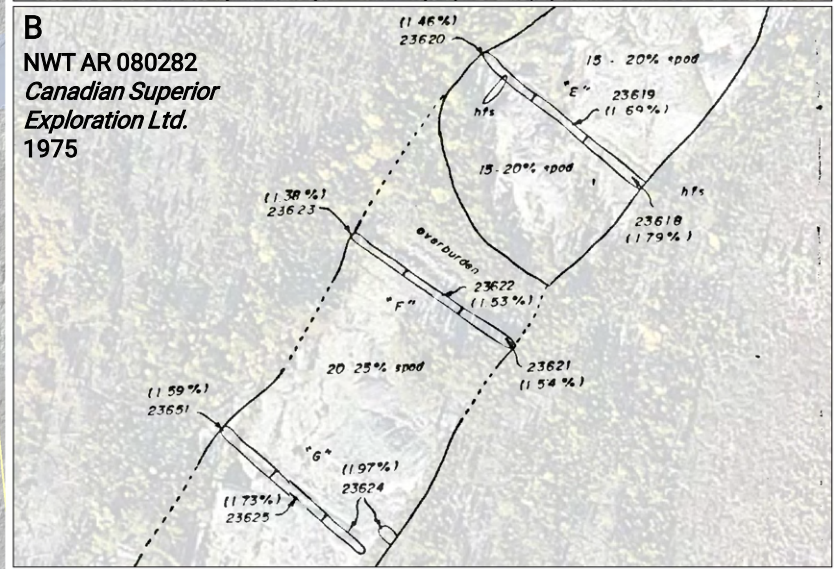
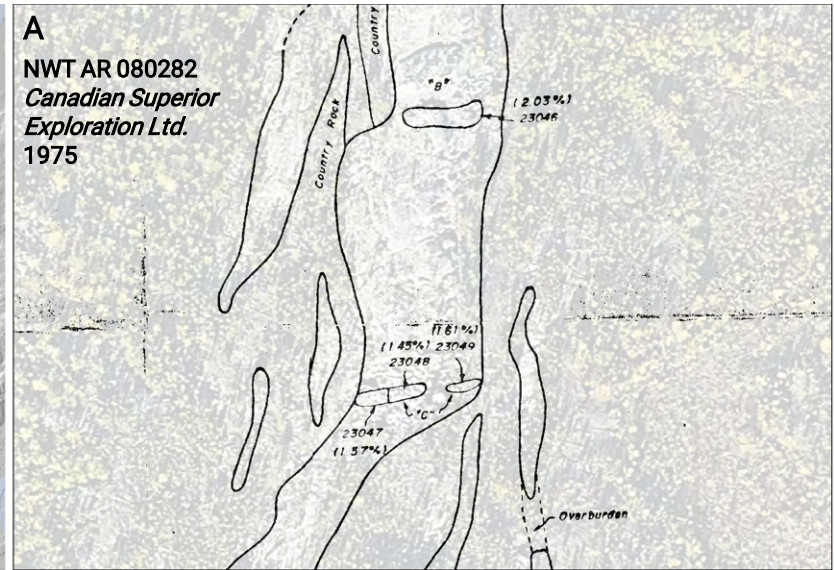
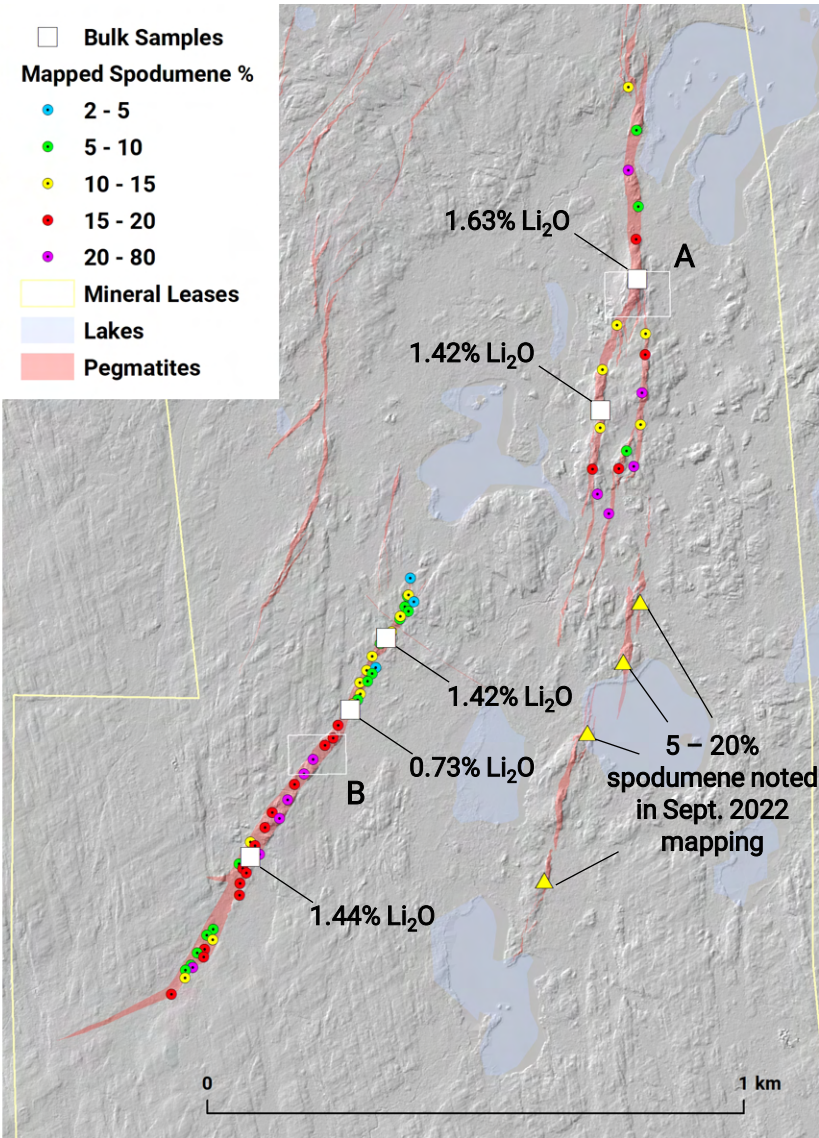
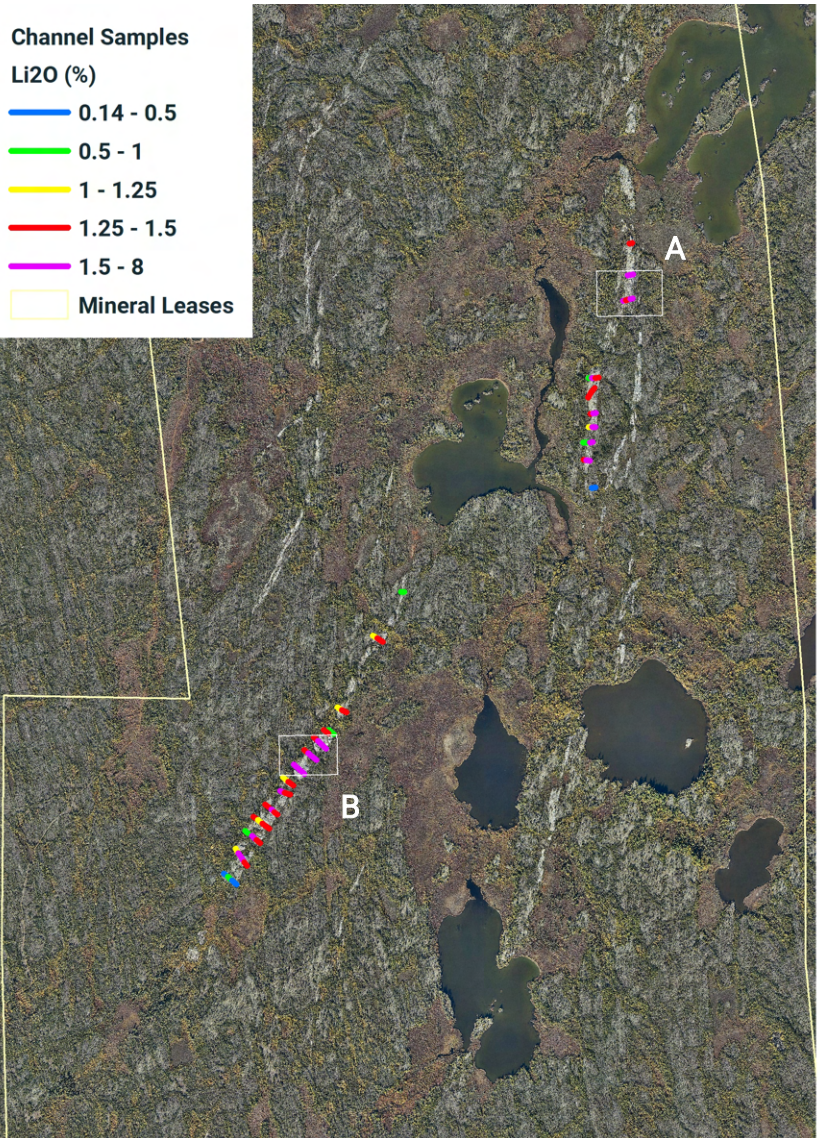
Yellowknife Lithium Project – Visible from Space

Abundant outcrop with almost complete exposure sets the Yellowknife Project apart

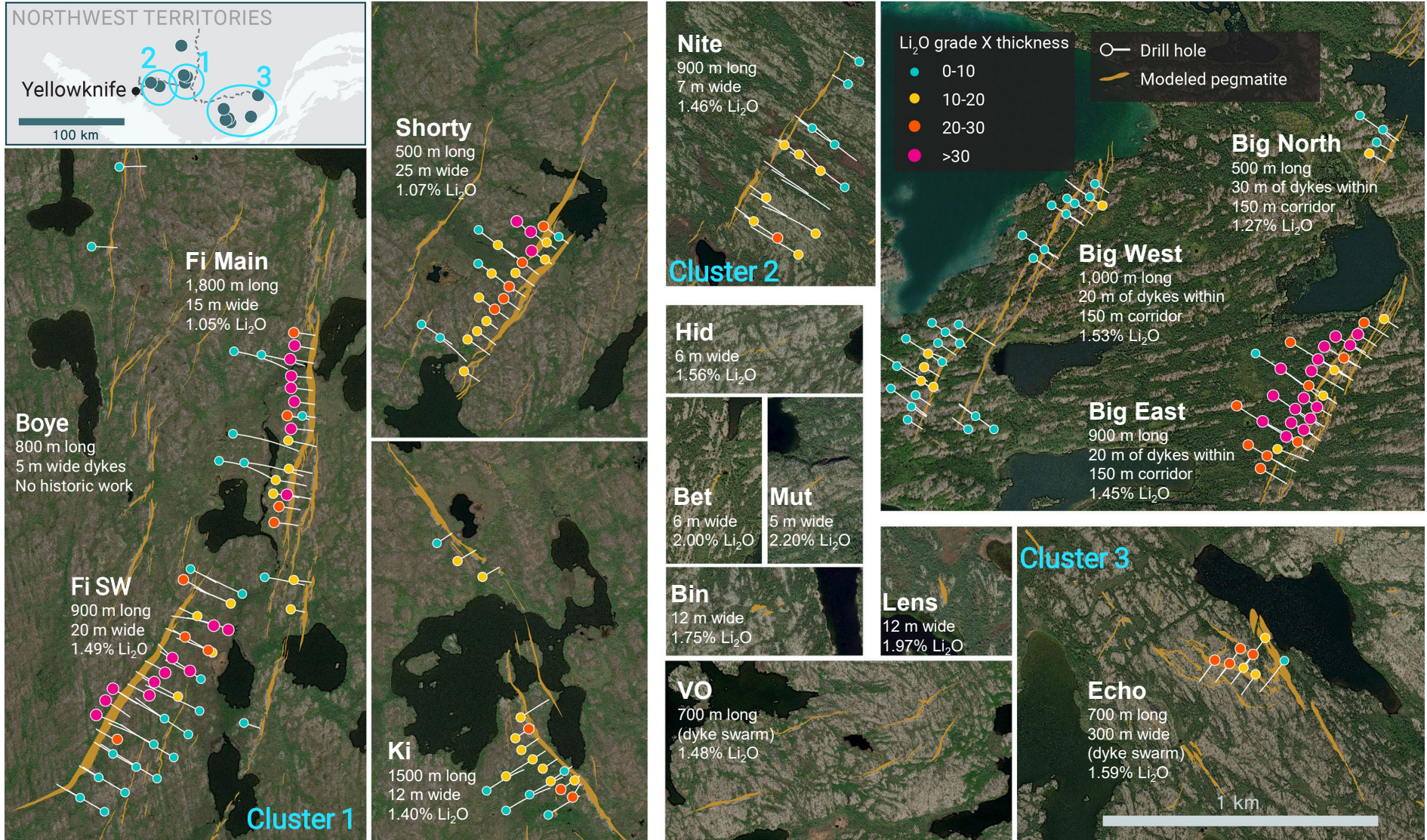
Size potential and lithium grades are readily apparent based on outcrop exposure



Historic work indicates significant Li grades at surface



Multiple kilometer-scale outcropping Li pegmatites



- Pegmatites are up to 1,800 m in length (Fi Main) and up to 35 m in width (Shorty)

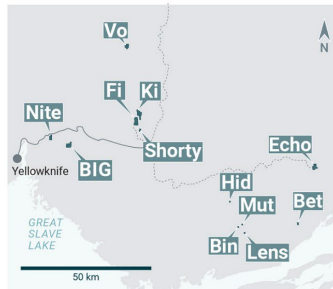
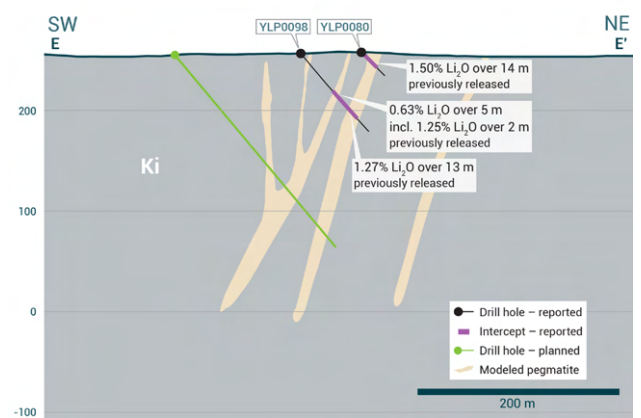
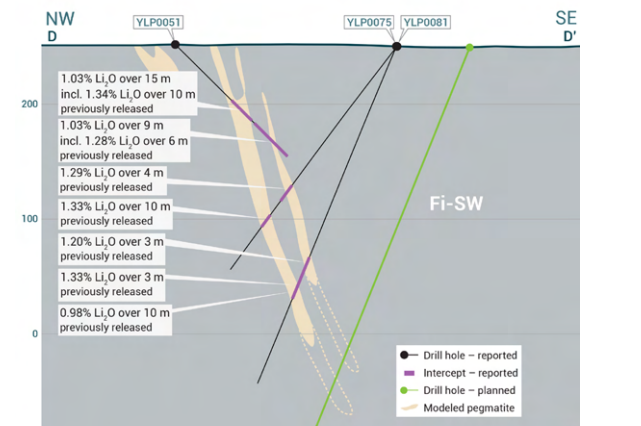
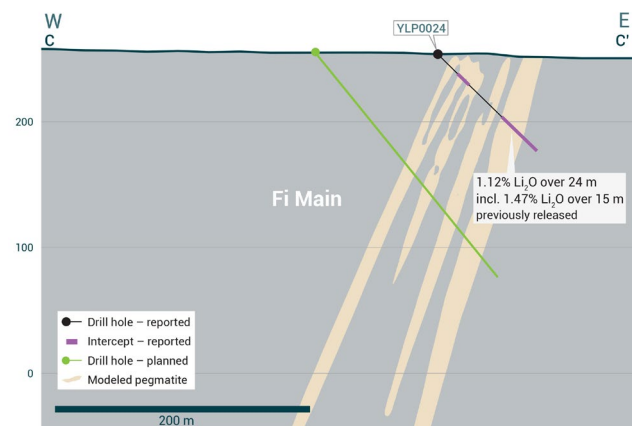
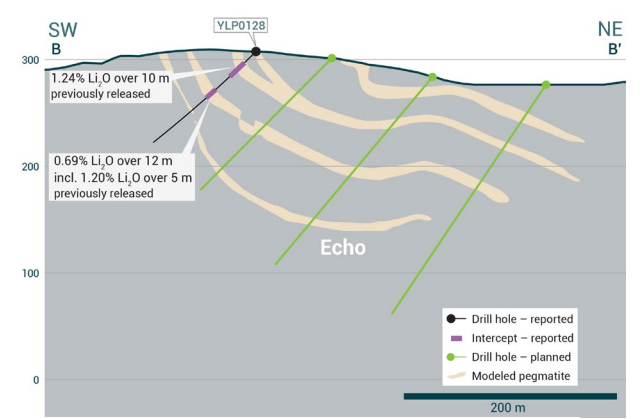
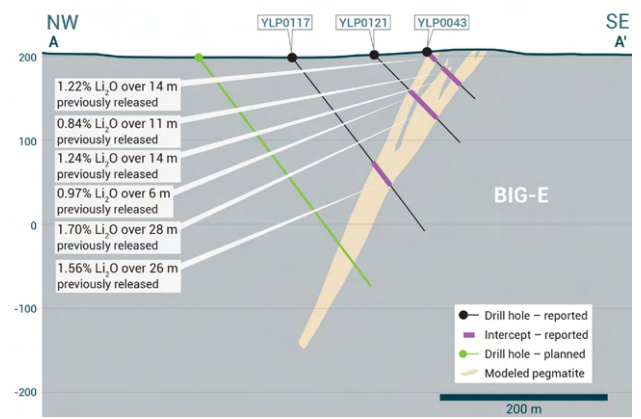
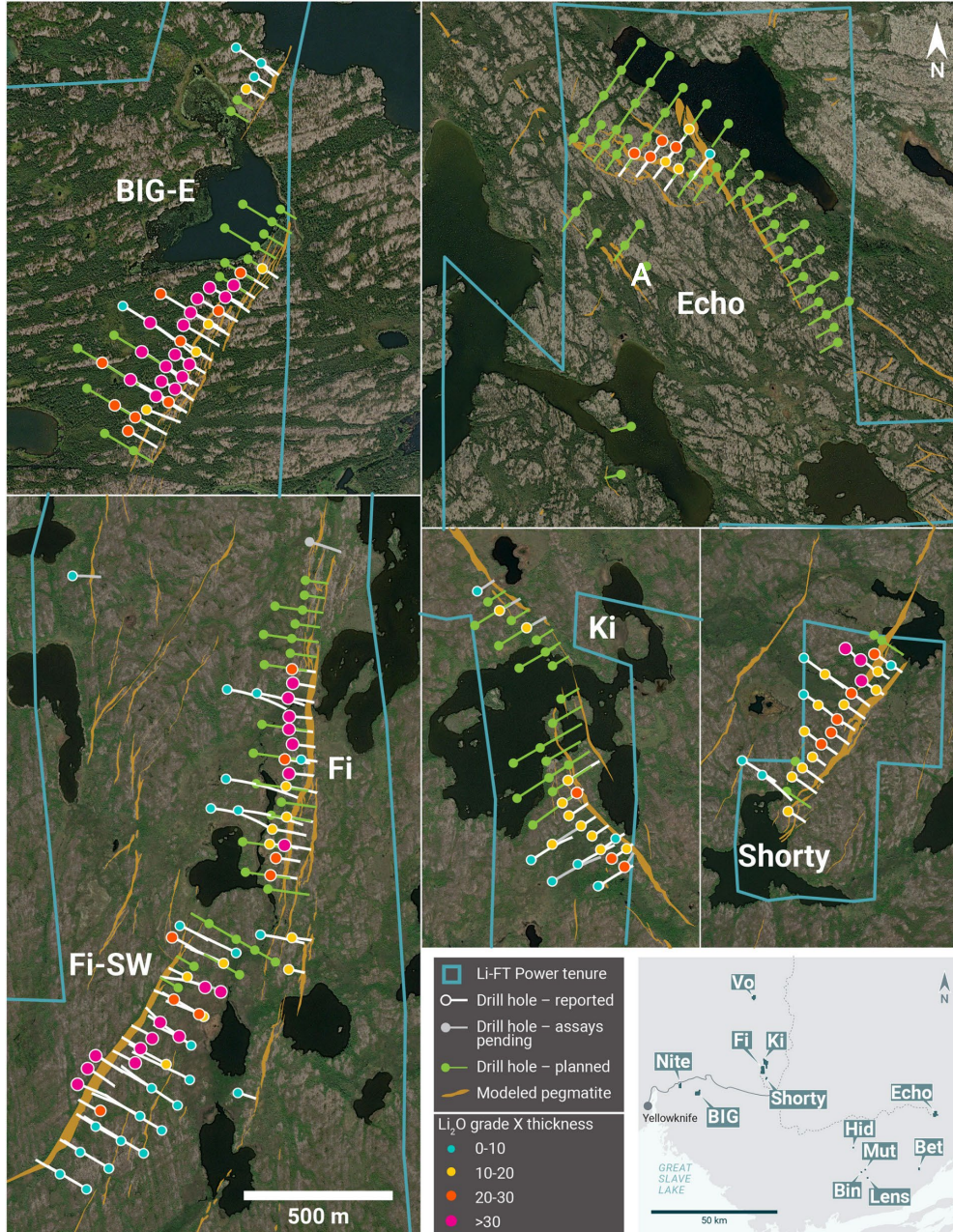
- Li₂O grade estimates are based on channel sampling completed in the 1970s by Canadian Superior Exploration Ltd. (Exxon Mobil)

- Total strike length of 10 km with average width of 15 m

Only 3,450 m of diamond drilling (23 DDH) has been completed on the portfolio of pegmatites

- Drilling shows that the pegmatites are similar widths and grades at depth

18,600 m winter drill program in progress



Drill intersect summary

- Currently 245 of 286 drill holes released to the market

Top 5 Drill Intersects per Deposit

Dyke	Hole No.	Interval (m)	Li20%	Grade x Thickness	Notes
Fi SW	YLP0003	39	1.43	56	
Fi SW	YLP0038	34	1.35	46	
Fi SW	YLP0004	33	1.39	46	
Fi SW	YLP0001	35	1.30	46	
Fi SW	YLP0054	37	1.22	45	
Fi Main	YLP0147	28	1.28	36	
Fi Main	YLP0148	31	1.13	35	
Fi Main	YLP0141	27	1.26	34	
Fi Main	YLP0017	30	1.13	34	
Fi Main	YLP0023	30	1.10	33	
Ki	YLP0165	23	1.25	29	
Ki	YLP0087	21	1.12	24	
Ki	YLP0080	14	1.50	21	
Ki	YLP0098	18	1.09	20	2 dykes, 16 m apart
Ki	YLP0104	12	1.58	19	
Nite	YLP0138	12	1.51	18	
Nite	YLP0177	11	1.52	17	

Dyke	Hole No.	Interval (m)	Li20%	Grade x Thickness	Notes
BIG East	YLP0121	34	1.57	53	2 dykes, 8 m apart
BIG East	YLP0093	28	1.55	43	2 dykes, 7 m apart
BIG East	YLP0092	25	1.73	43	2 dykes, 8 m apart
BIG East	YLP0043	39	1.12	43	3 dykes, 5-11 m apart
BIG East	YLP0049	35	1.21	43	3 dykes, 5-11 m apart
Shorty	YLP0091	33	1.15	38	2 dykes, 60 m apart
Shorty	YLP0088	26	1.41	37	2 dykes, 52 m apart
Shorty	YLP0097	33	0.97	32	2 dykes, 57 m apart
Shorty	YLP0033	25	1.13	28	
Shorty	YLP0048	22	1.27	28	2 dykes, 8 m apart
Echo	YLP0116	22	1.10	24	2 dykes, 39 m apart
Echo	YLP0112	16	1.45	23	2 dykes, 25 m apart
Echo	YLP0128	22	0.94	21	2 dykes, 27 m apart
Echo	YLP0107	20	1.04	21	3 dykes, 35 m apart
Echo	YLP0124	12	1.52	18	
BIG West	YLP0158	16	1.05	17	2 dykes, 5 m apart
BIG West	YLP0150	13	1.27	17	

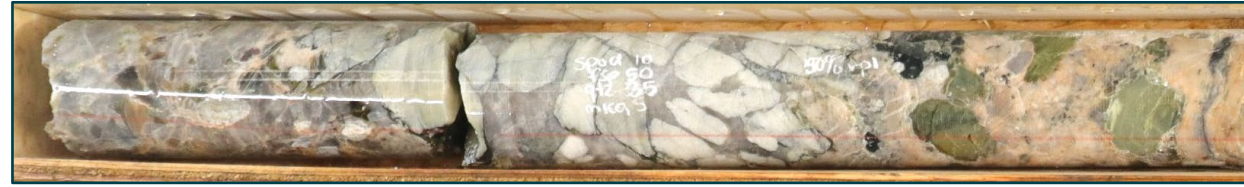
Spodumene Crystals

- Size of spodumene crystals are typically >1.5 cm in length/width
- Dense media separation should capture a large portion of spodumene

Fi Southwest



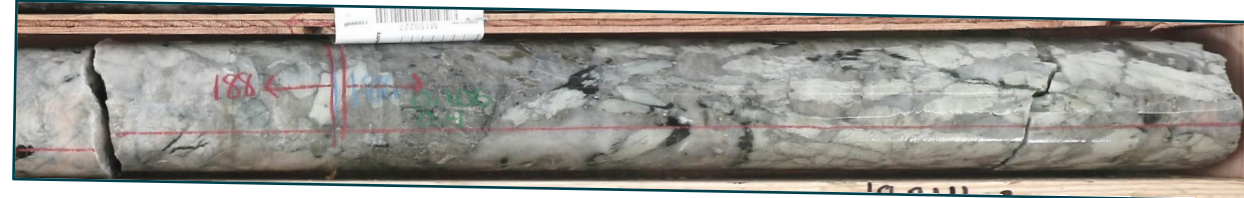
Echo



Fi Main



Nite



Shorty



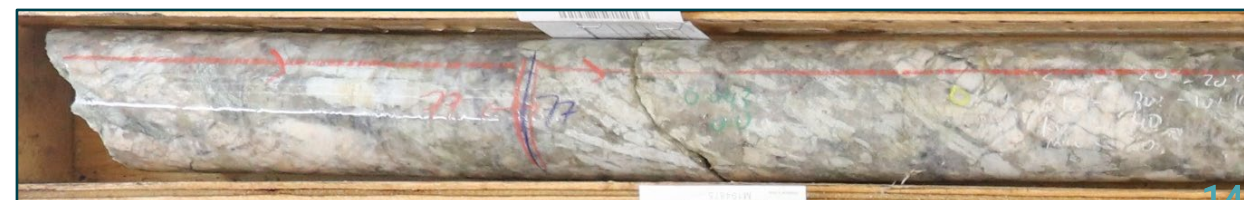
BIG West



BIG East

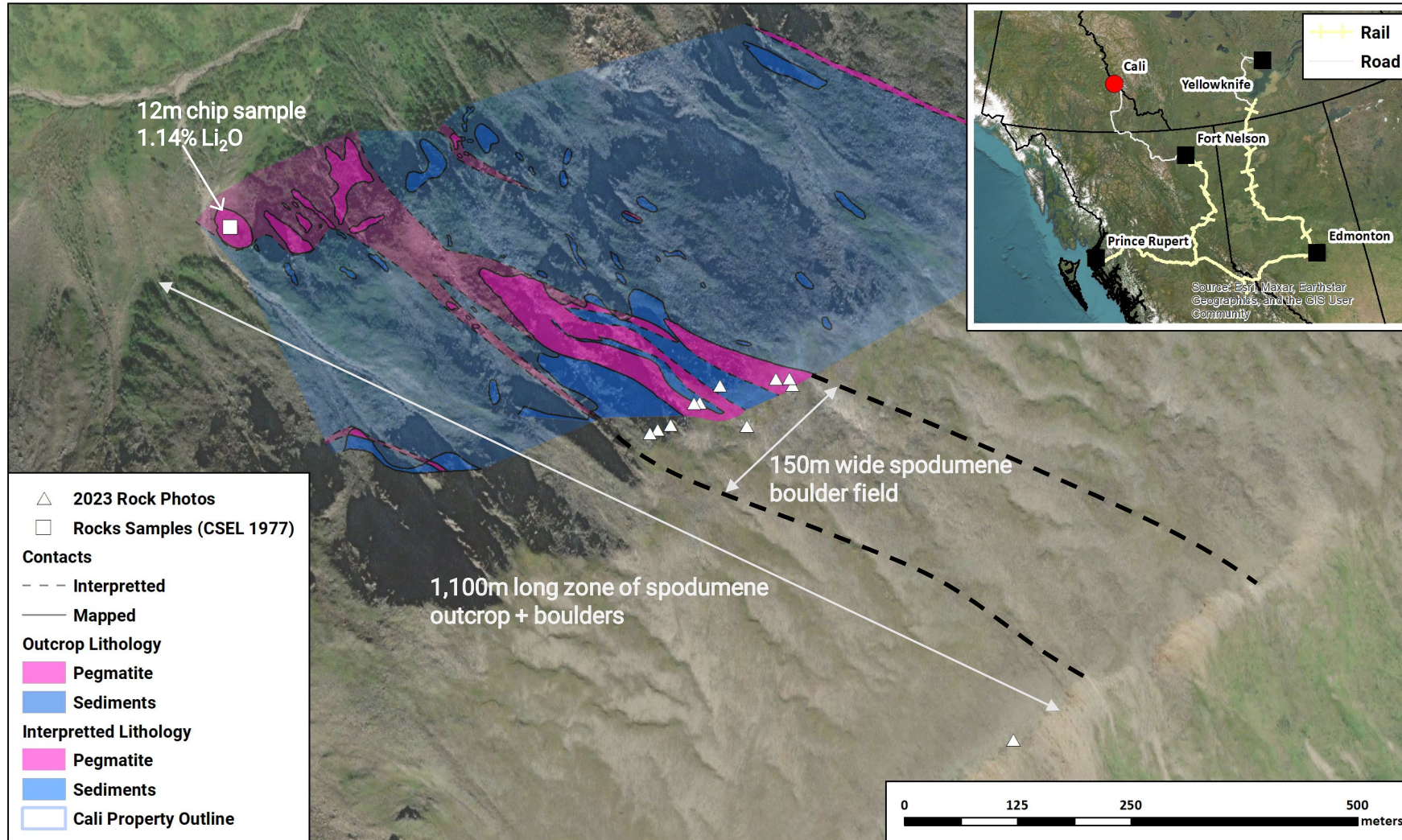


Ki



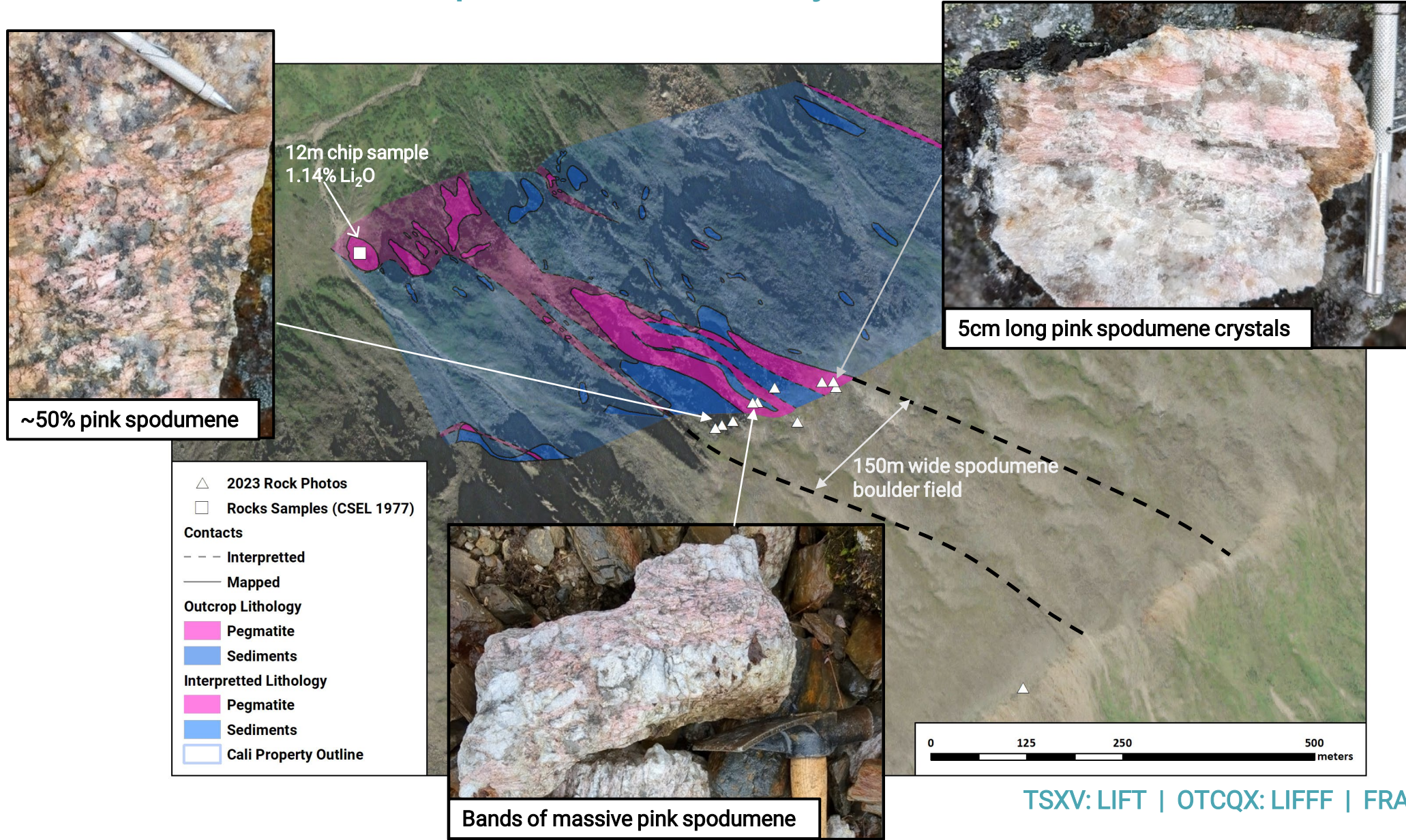
Cali Project

Field work in 2023 preparing for initial 2024 drill program



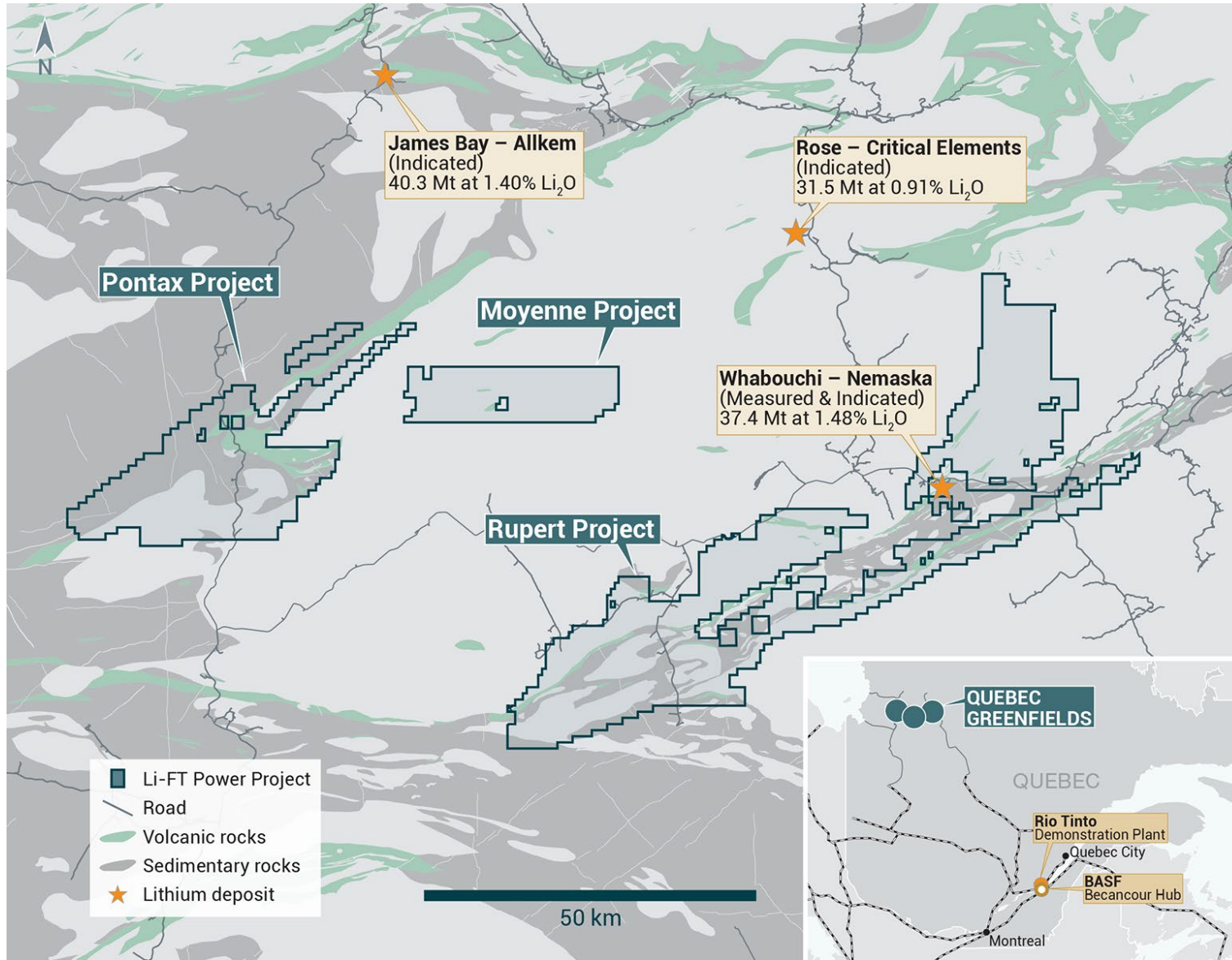
- The Cali Project is located in the Little Nahanni Pegmatite Group (LNPG) on the NWT-Yukon border, 50 km north of the Cantung mine and 6 km from the Howard's Pass Access Road and ~850 km from rail
- Canadian Superior Exploration Ltd. (CSEL) mapped the area in 1977 and described a spodumene pegmatite that outcropped over 500 m of strike and up to 60 m wide with a vertical extent of 300 m
- Field visit completed by Li-FT in June 2023 confirms historic work – Cali is a spodumene pegmatite dyke swarm with many dykes occurring over a 150 m wide corridor
- 2023 Exploration activities in support of drilling in 2024 are underway which include sampling and mapping for an estimate of average grade and tonnes as well as prospecting for extensions and parallel dykes hidden under soils cover

Rock samples from the Cali Project



Quebec Greenfields

Greenfields Exploration targeting Li pegmatites under cover



- Li-FT has 3 projects in James Bay, Quebec; total area of 2,282 km²

- RUPERT
- PONTAX
- MOYENNE

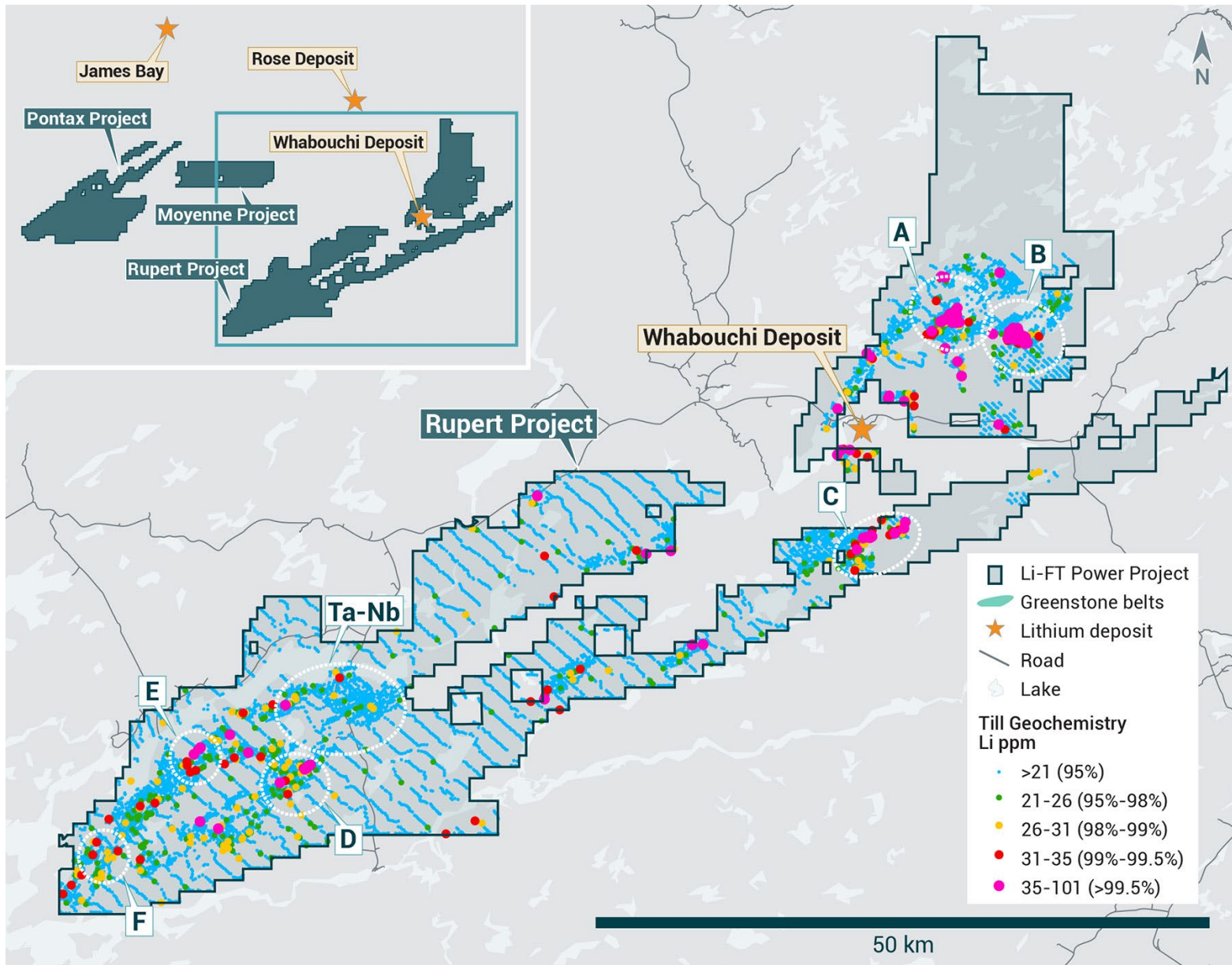
- The Rupert Project surrounds the Whabouchi Li deposit and covers ~1,000 km² of similar geology
- The Pontax Project covers a similar geological setting that hosts the Whabouchi Deposit

*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% Li₂O, Indicated – 20,403,000 tons at 1.41% Li₂O (Cut-off grade of 0.30% Li₂O)

*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% Li₂O (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% Li₂O (Cut-off grade of 0.62% Li₂O)

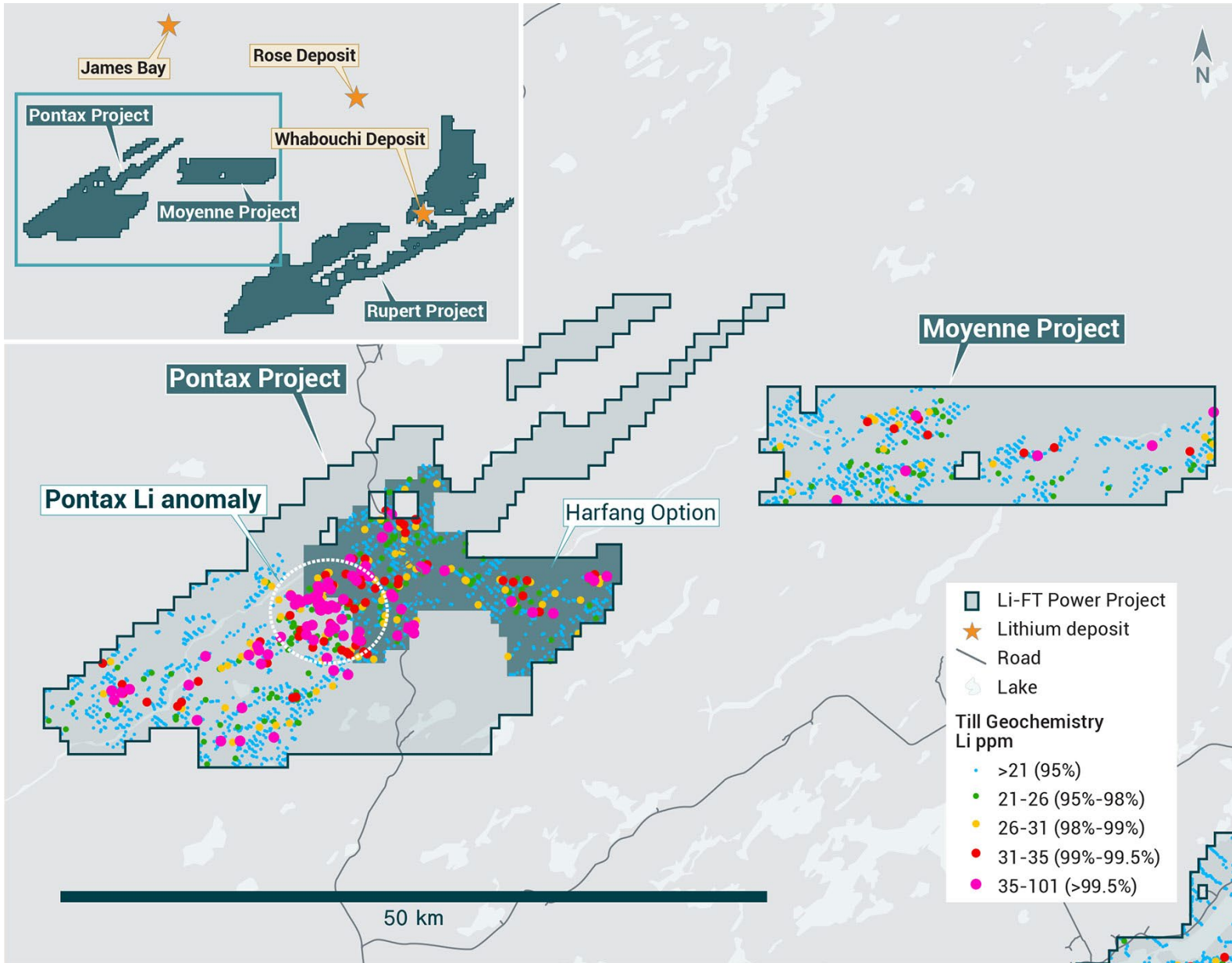
Rupert – Lithium Till Geochemistry Results



Drill-Ready Targets

- Li-FT has systematically sampled the entire Rupert project between 2021 and 2022 with 8,386 till geochemistry samples
- Pipeline of targets - initial drilling started in March 2023
- **Anomalies A & B** are most advanced and are diamond drill-ready
- 17 holes (4,500 metres) completed for Anomalies A & B in this first drill program
- Drilling is testing for lithium-bearing pegmatites under cover
- Till geochemistry sampling has produced 7 areas for **follow-up exploration in 2023**
- Other anomalies will require additional work in order to advance towards diamond drill targets

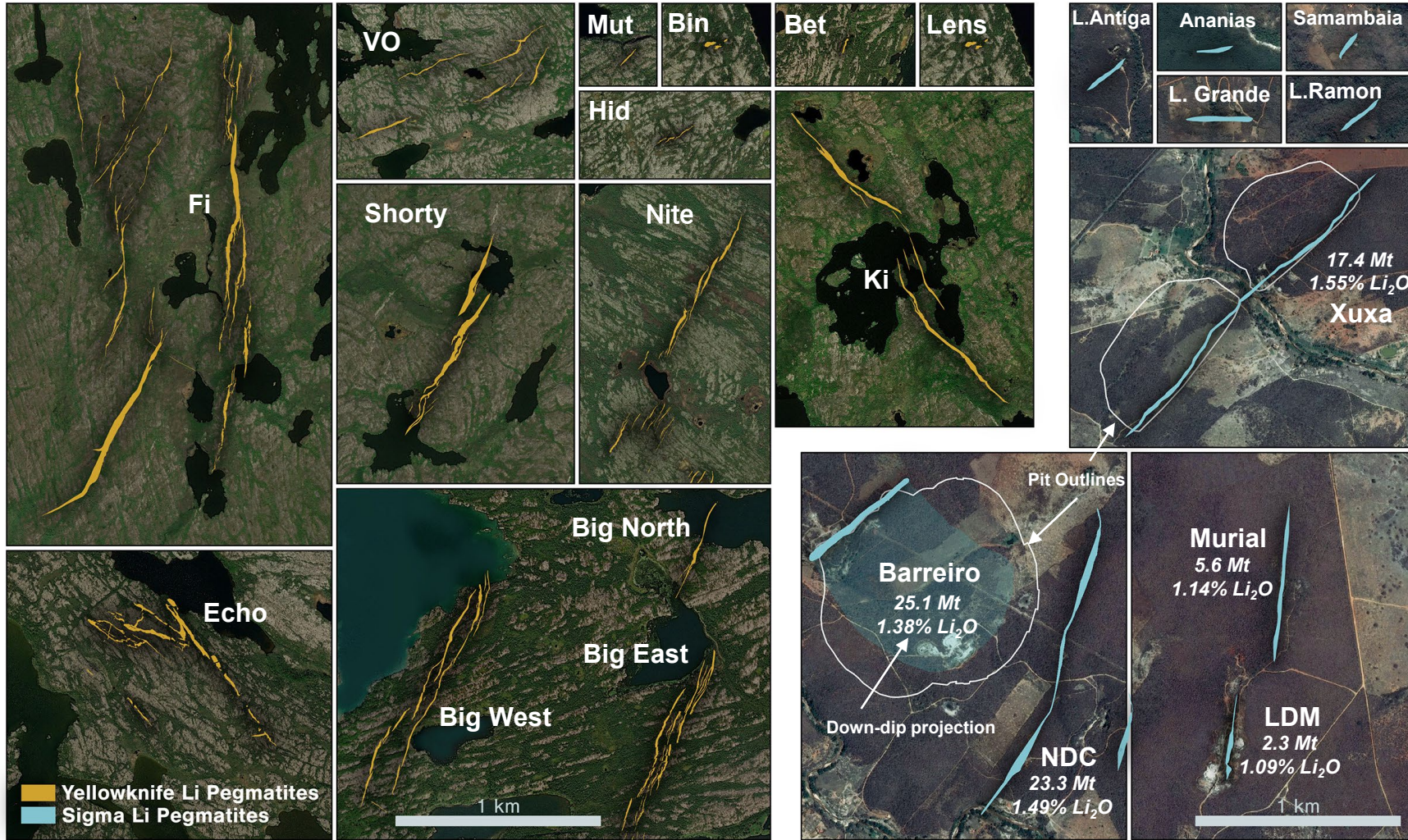
Pontax-Moyenne – Extensive Lithium Geochem Anomaly



- 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.

Yellowknife Lithium Project vs. Sigma Lithium

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



- Based on surface projections¹ of mineralization, the Yellowknife Project has the potential to produce a larger global resource than Sigma Lithium's Grota Do Cirilo project

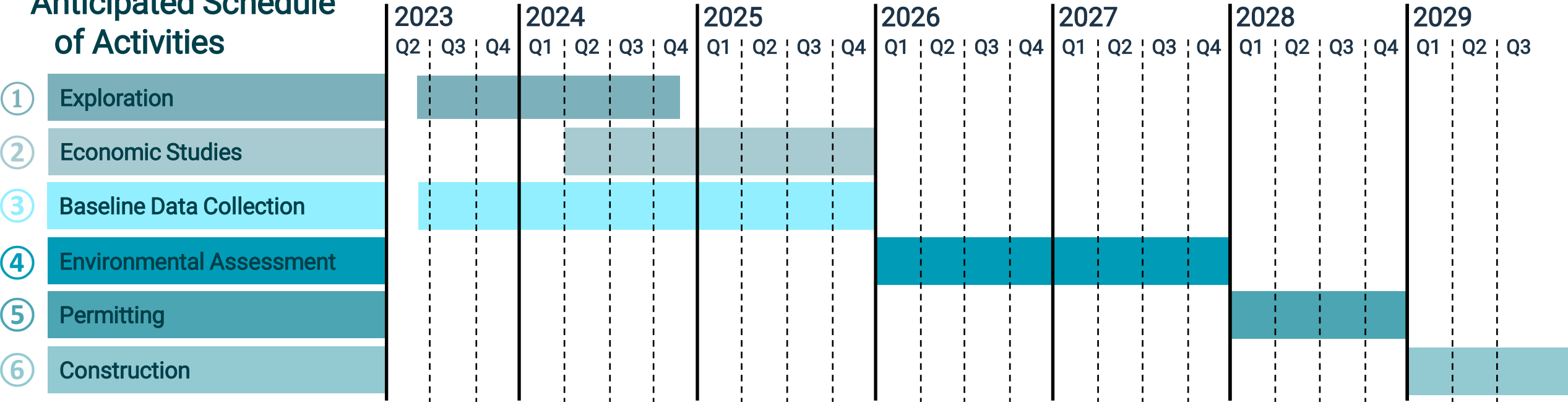
	Sigma	Yellowknife
Surface Area (m ²)	85,350	158,400
Projected ¹ Tonnage (Mt)	69.13	128.30
Actual Tonnage (Mt)	85.70	?

¹Projected tonnage is projected to 300m depth by multiplying the surface area by 300 and then multiplying by SG=2.7

¹Surface 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

Yellowknife Lithium Project Timelines

Anticipated Schedule of Activities



① Exploration

- Confirm historical results.
- Bring resource to inferred and then to indicated levels.

② Mine Planning

- Develop a Preliminary Economic Assessment
- Conduct Prefeasibility and Feasibility Studies

③ Baseline Data Collection

- Collect environmental and socioeconomic data to support EA

④ Environmental Assessment

- Evaluate potential effects and mitigation strategies

⑤ Permitting

- Establish Land Use Permit and Water Licence Conditions

⑥ Construction

Share Structure

Capital Structure

As Of April 29th, 2024

Issued and Outstanding	42,733,337
Options	1,105,000
Fully Diluted	43,838,337
Market Capitalization (@\$3.35/sh)	\$143.2M
Cash Position (as of April 29th, 2024)	\$10.0M

Top Institutional Holders

Top Institutional Holders	Style
1. Commodity Capital AG	Growth
2. Extract Capital	Growth
3. Konwave AG	Specialty
4. Tribeca Investment Partners	Growth

Analyst Coverage



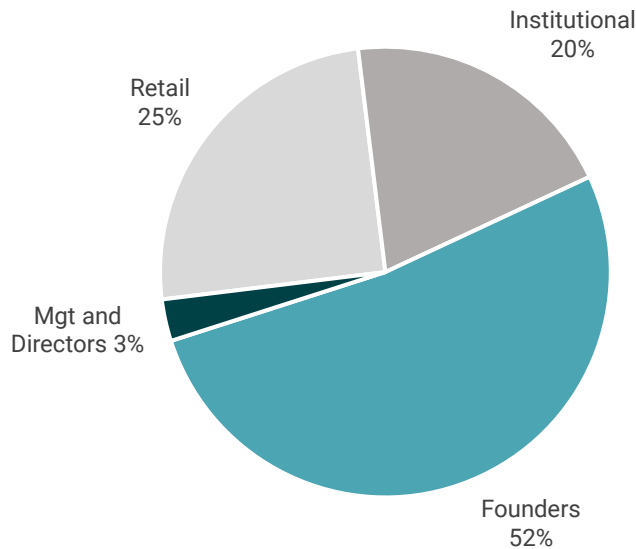
Katie Lachapelle, CPA



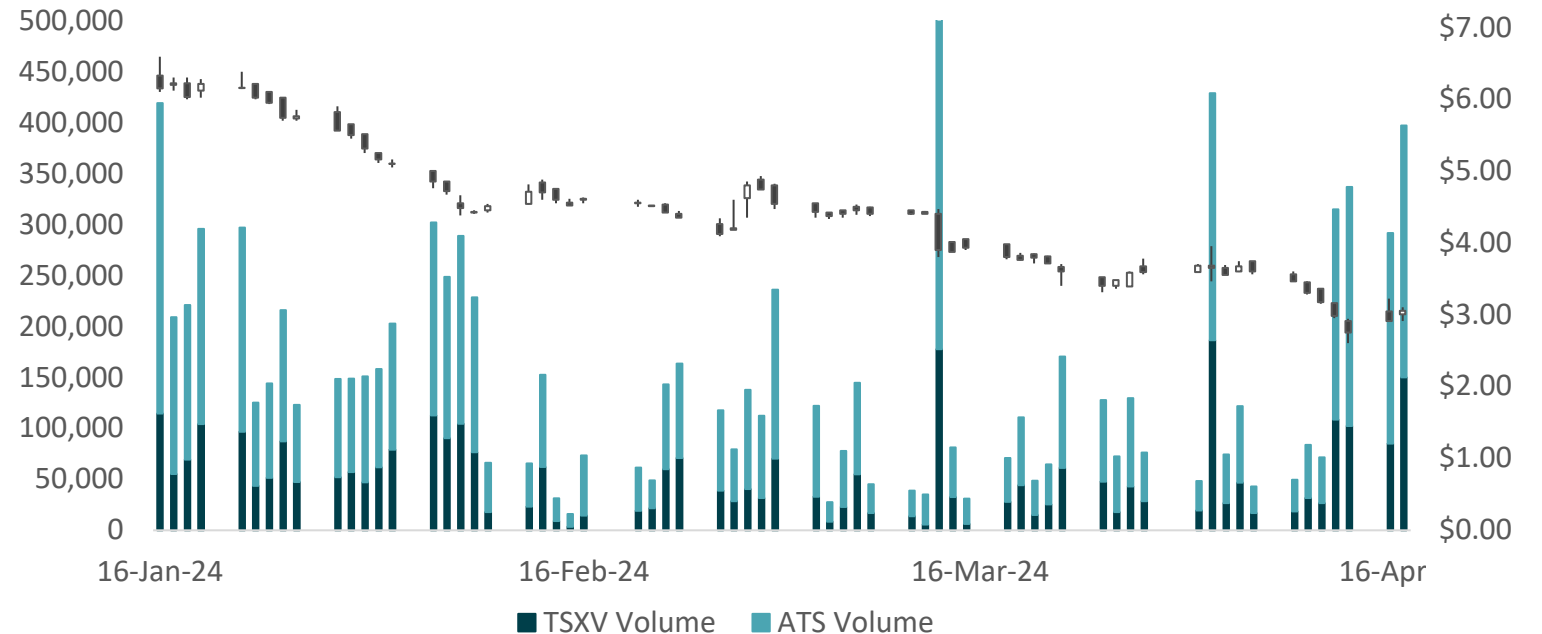
Brandon Gaspar



Ahmad Shaath



Average Volume 48,420 (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 Development Drilling at the Yellowknife Lithium Project in 2024

Scout Drilling Program at the CALI Project in 2024

Resource Discovery Drilling at the Rupert Project in 2024

Metallurgical Testing Results at the Yellowknife Lithium Project in Spring 2024



CONTACT

Head Office

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

Email: Investors@Li-FT.com

Francis MacDonald

CEO

Alex Langer

President

Daniel Gordon

Investor Relations Manager

Follow us:



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