



MEETING EDE 33-20-24

**STANDING COMMITTEE ON ECONOMIC DEVELOPMENT
AND ENVIRONMENT**

~
**THURSDAY, OCTOBER 31, 2024
EAGLE ROOM, LEGISLATIVE ASSEMBLY / ZOOM
10:30 AM**

AGENDA

1. Call to Order
2. Prayer
3. Review and Adoption of Agenda
4. Declarations of Conflict of Interest
4. Public Matters:
 - a. Public Briefing on Barriers to Lithium Mining in the NWT with Li-Ft Power, Lake Winn Resources and North Arrow Minerals
5. In Camera Matters:
 - a. Debrief
 - b. Workplan
5. New Business
 - a)
6. Date and Time of Next Meetings: To Be Determined
7. Adjournment



LAKE WINN
RESOURCES CORP.

HARD ROCK LITHIUM

Drill Ready: Little Nahanni Pegmatite
Group (LNPG) NWT Canada

TSXV: LWR & FSE: EE1A

Corporate Presentation October 2024

Photo Credits: Archer Cathro channel sampling LCT pegmatite 2016 LNPG Project

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Qualified person

The qualified person for this news release is Buddy Doyle, AUSIMM, a geologist with over 35 years of experience in mineral exploration, discovery and evaluation. Mr. Doyle is a qualified person under the provisions of National Instrument 45-101.



About Lake Winn



TSX.V: LWR & FSE: EE1A

Lithium

The main focus is advancing and developing its 100% owned Little Nahanni Pegmatite Group (LNPG) project in NWT Canada. Where it holds the majority of a drill confirmed multi-kilometer LCT (Lithium, Cesium, Tantalum and Tin) dyke swarm. The task ahead is to develop an economic deposit by drilling.

Gold

Lake Winn also has purchased an option for two 100% owned gold properties in Manitoba. Lake Winn drilled the Cloud property in 2021 and has historic drilling on the Quartz property.



Photo Credits: Archer Cathro channel sampling LCT pegmatite 2016 LNPG project



JUNIOR COMPANY WITH A 30 YEAR HISTORY OF WORKING IN THE TERRITORIES
DIAMONDS NICKEL LITHIUM

OVER \$40M spent over 30 years.

Approxx \$2M spent on the LITHIUM PROJECT to date

AN ADVANCED DRILL READY EXPLORATION CTL PEGMATITE SWARM

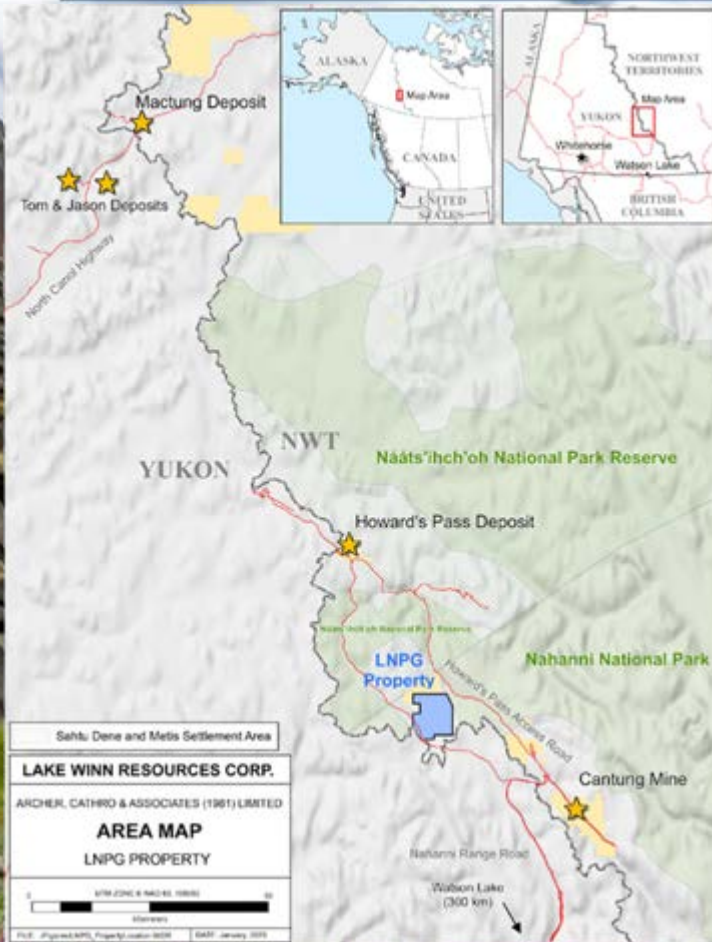
LAKE WINN AS THE SOUTHERN SECTION OF THE SWARM,

THE BIGGEST CHALLENGE IS FINANCING IN A CYCLIC MARKETS

LNPG – Location and Existing Infrastructure



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RICH MINING DISTRICT WITH EXISTING INFRASTRUCTURE

Expansive project area covering 97 km² (9,682.5 ha).

Located in an established mining district within 40 km of both the Cantung Tungsten Mine and the Howard's Pass Zinc-Lead Deposit.

Heli-Supported from staging area near the Cantung Mine.

Howard's pass road is disused but can be re-opened.

Study shows a 12 km truck grade road can be made to the project for circa \$20 M.



Little Nahanni Pegamatite Group LNPG Project



TSX.V: LWR & FSE: EE1A



100% Ownership (2% NSR to Strategic Metals).

Lithium Tungsten Cesium Pegmatite, same rock type as the largest lithium mine in the world at Greenbushes, located in western Australia.

Canada's Critical Minerals Strategy has commissioned to build a lithium refinery in Thunder Bay Ontario expecting to start 2028.

Good rapport with pro-business NWT indigenous stakeholders Nah?ą Dehé Dene Band (NDDB).

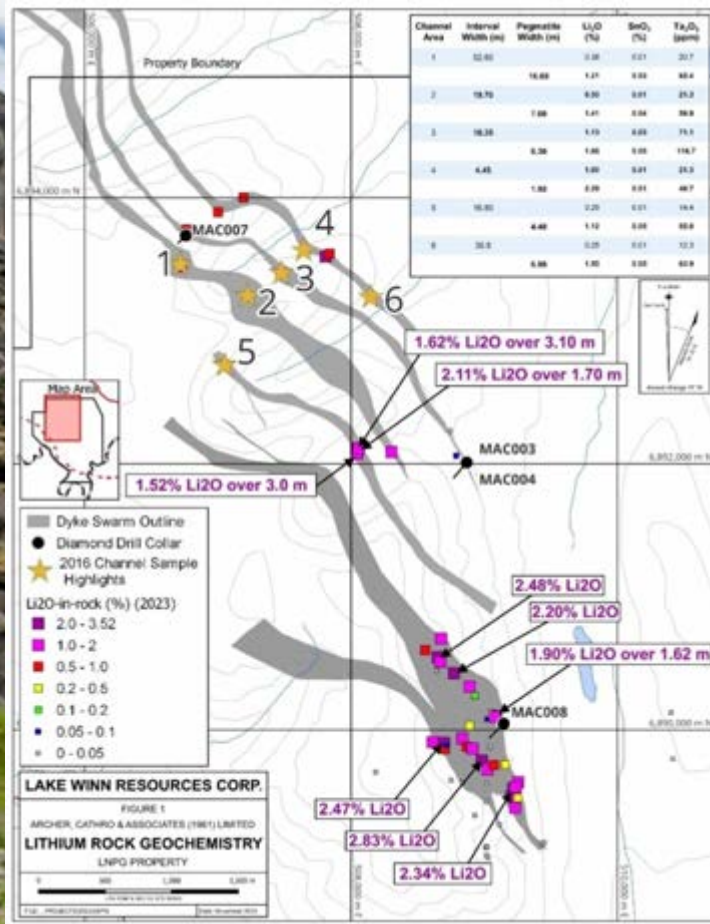
5 Year Duration Class-A Drilling Permit.

•

History of the LNPG Project



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- 1980 LNPG was Discovered by Teck (Cominco).
- 1990 LNPG was acquired by War Eagle Ltd during the Tech boom when there was a Tantalum shortage.
- 1990 War Eagle drilled 8 holes for Tantalum. The core was also assayed for Lithium with drill core assaying over 1%.
- 2016 Equitorial acquires the LNPG property. The historic drill core is re-assayed for lithium receiving 17.96m of 1.03% and 9.66m of 1.47% and completes a channel sampling program.
- 2017 Lithium boom subsides.
- 2019 New Li management takes over Equitorial and rebrands to Lake Winn focusing on Manitoba gold after the government issues stimulus packages.
- 2023 Lake Winn conducts geophysics on the LNPG project for Lithium and rock sampling after North American governments promote the mandated EV revolution.
- 2025. Drill program depending on financing

Historical Drilling for Tantalum (Ta_2O_5) 2007



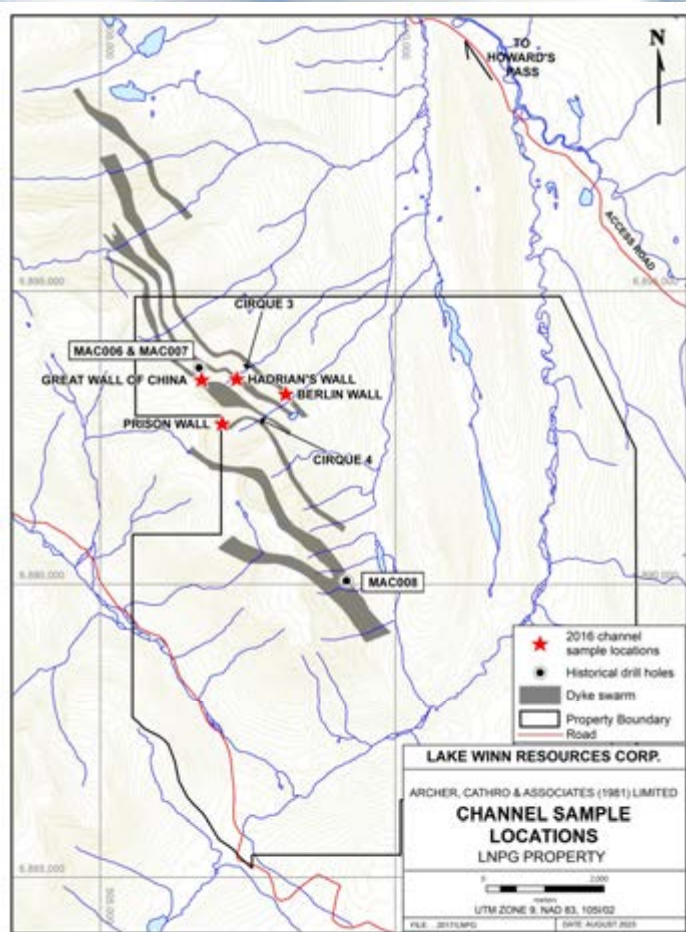
TSX.V: LWR & FSE: EE1A

Tantalum Ta_2O_5 Drilling Results 2007

DDH	From (m)	To (m)	Interval Width (m)	Collective Pegmatite Width (m)	Li ₂ O %	Spod. %	Ta ₂ O ₅ g/t	SnO ₂ g/t
MAC006	61.88	66.86	4.98	2.18	0.26	3.20	76.9	231.1
MAC006	85.60	87.00	1.40	1.40	0.65	8.21	316.6	531.9
MAC006	172.37	190.64	18.27	18.27	0.92	11.59	33.0	149.9
MAC007	30.22	33.62	3.40	3.40	0.20	2.46	57.4	171.5
MAC007	105.84	116.78	10.94	10.94	1.20	15.07	35.4	219.7
MAC007	143.73	149.20	5.47	5.47	0.33	4.15	26.9	104.1
MAC008	37.58	38.73	1.15	1.15	0.58	7.30	172.1	526.9
MAC008	156.63	158.45	1.82	1.82	0.47	5.94	82.0	188.2

Lithium Li₂O Re-Assays 2017

DDH	2007 Length (m)	2007 Grade Li ₂ O	2017 Length (m)	2017 Grade Li ₂ O	% Li ₂ O Increase
MAC006	18.27	0.92%	17.96	1.03%	12%
MAC007	10.94	1.20%	9.66	1.47%	23%





Visual Pegmatite - MAC006



TSX.V: LWR & FSE: EE1A

MAC006 Great Wall of China (White is Pegmatite)



North of MAC006 (White is Pegmatite)

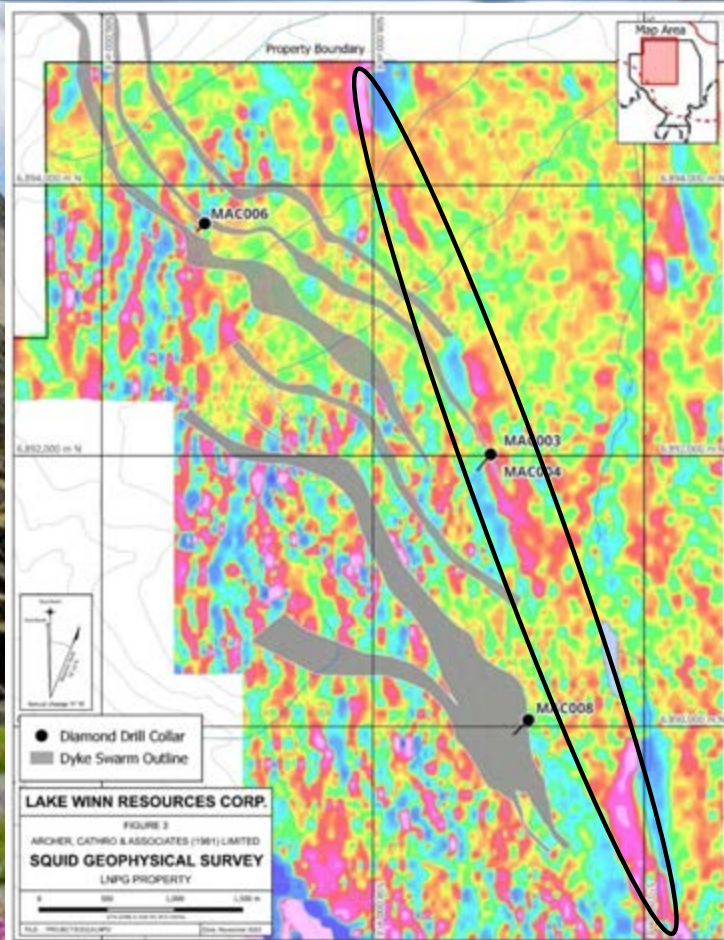


Visual pegmatite is represented all over the LNPG lithium property. MAC006 has the most positive visual showings at sunrise.

Alpha Primes' Geophysical Signature



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Alpha Prime Pegmatite Strike Length
~7 km long & 80-120 m wide.

LWR uses hyper sensitive magnetic Geophysics 1,000x more sensitive than regular magnetics. The company did 50m spacings meaning, this is the highest quality cutting edge data available in the mining sector 2023.

Lithium is not magnetic, however; lithium is created from volcanic events. The other magnetic minerals outlining the pegmatite dyke swarm are magnetic meaning, the magnetic minerals are outlining the Li_2O .

Proven pegmatite from LNPG and high-grade rock and soil samples give strong support to Alpha Prime's geophysics

High Grade Rock Samples MAC008 2023



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Rock and Chip Sampling Highlights

Previous Operators who drilled MAC008 in 2007 did a questionable job so, LWR did exploration work around it. Feel free to review the public NI 43-101 document page Fig 15 & 16 p.44-45 of LNPG.

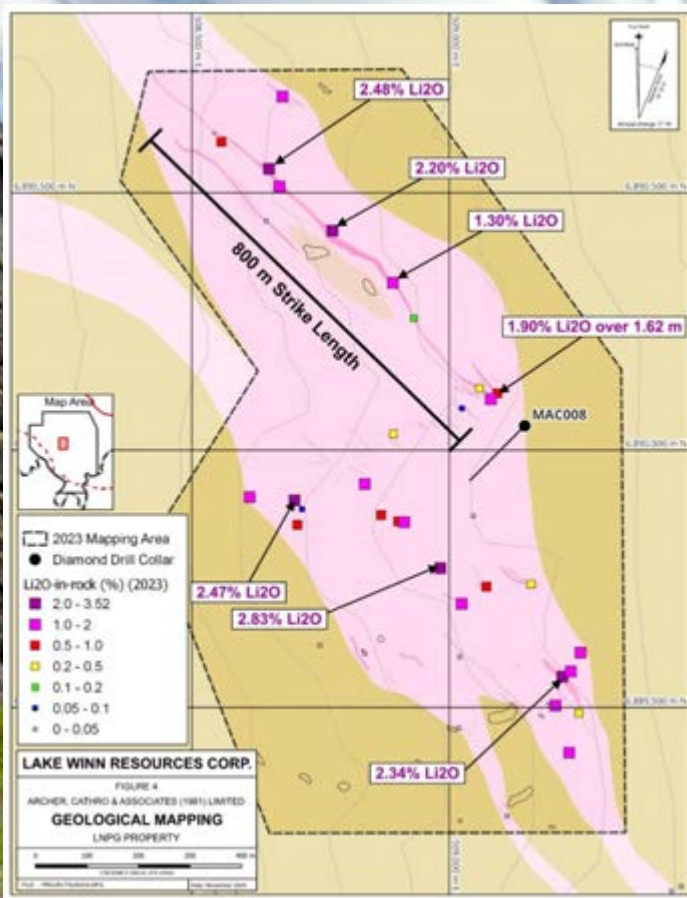
Peak value from spodumene-bearing pegmatite dykes **3.52% Li_2O** .

10 m sample across an outcropping dyke returned **1.77% Li_2O** .

Rock samples collected from a **3-10 m wide** spodumene-bearing dyke that can be traced over an **800 m strike length** returned an **average grade of 1.52% Li_2O** .

Other 2023 chip sampling highlights not included on this map:

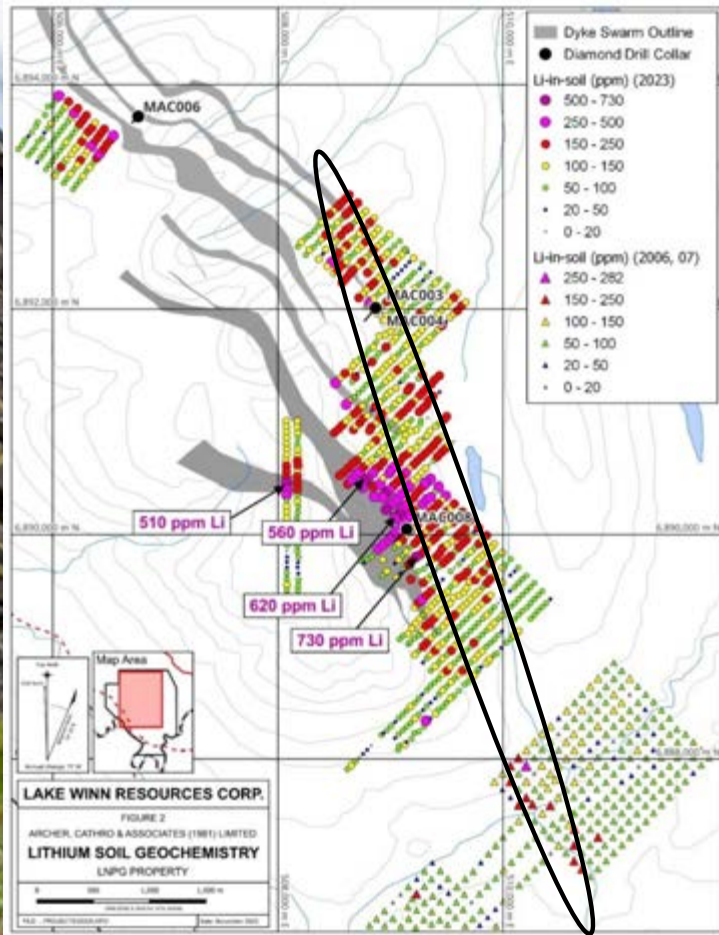
2.11% Li_2O over 1.70 m
1.62% Li_2O over 3.10 m
1.52% Li_2O over 3.00 m
1.90% Li_2O over 1.62 m



Alpha Primes' High Grade Soils 2023



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Soil Sampling Highlights

Soil sampling successfully delineated the extension of pegmatite dyke swarms supporting Alpha Prime's Geophysics that extends into unexplored areas.

944 soil samples were collected in 2023.

Peak value of 730 ppm Li.

7 soil samples returned greater than 500 ppm Li.
113 soil samples returned greater than 200 ppm Li.
565 soil samples returned greater than 100 ppm Li.



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- Reducing the permitting Timeline from discovery to mine.
- Exploration assistance schemes are appreciated
- Infra-structure improvements.
- The property is best access from the Yukon side
- Tungsten Mine site is shown, currently in care and maintenance: Could exploration companies use the accommodation?

This is a short helicopter ride to our property



LAKE WINN
RESOURCES CORP.

TSXV: LWR & FSE: EE1A

1100-1111 Melville St.
Vancouver BC V6E 3V6
www.lakewinn.ca
604-689-1799

HARD ROCK LITHIUM EXPLORATION IN CANADA



TSXV: LIFT | OTCQX: LIFF | FRA: WS0

www.li-ft.com

October 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.

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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).

Corporate Overview

A Canadian company focused on the exploration and development of hard rock lithium deposits in Canada.

Corporate History

2020 March 1 - Li-FT incorporated

- Quebec mineral claims acquired from Kenorland Minerals

2022 June 28 - Canadian Securities Exchange listing

2023 November 1 – Upgrade to TSX-V

2022 November 23 - Li-FT acquires EREX International

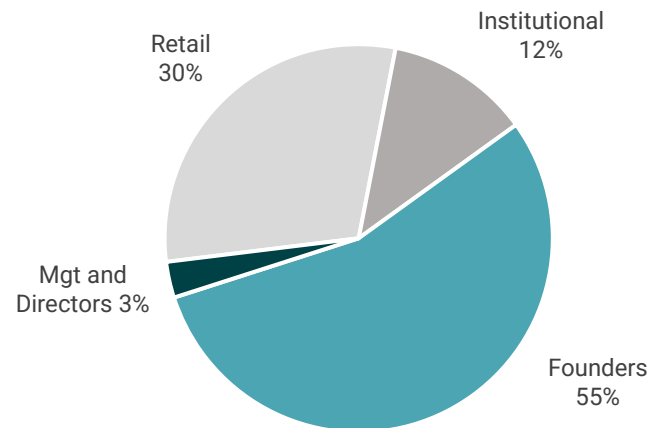
- Yellowknife and Cali Projects added to Li-FT's portfolio



Capital Structure

As Of October 9th, 2024

Issued and Outstanding	42,745,337
Options	1,070,000
DSUs	7,544
Fully Diluted	43,822,881
Market Capitalization (@\$3.03/sh)	\$130.0M



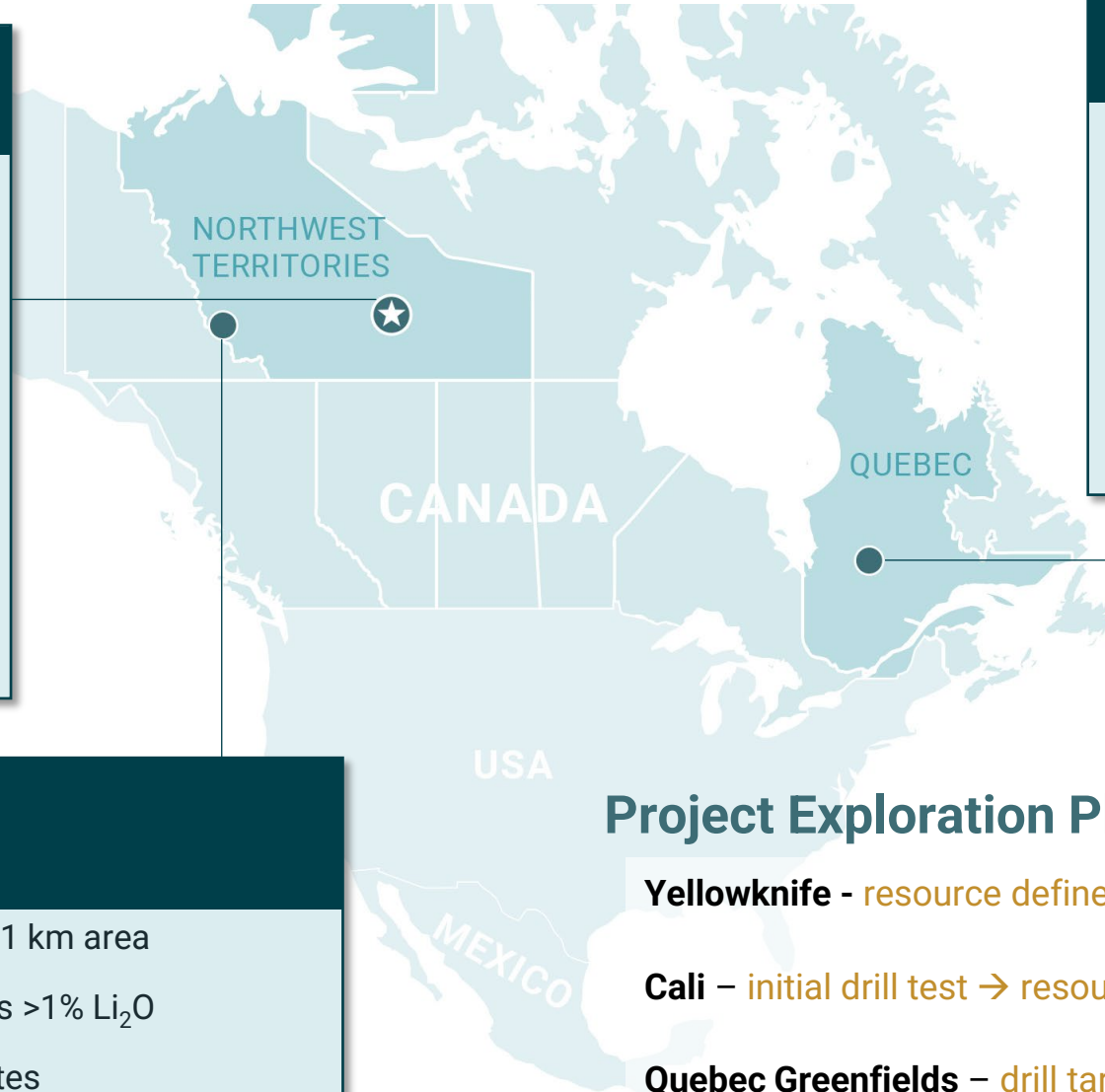
Top Institutional Holders	Style
1. Commodity Capital AG	Growth
2. Extract Capital	Growth
3. Tribeca Investment Partners	Growth

YELLOWKNIFE PROJECT Northwest Territories, Canada

- Inferred MRE: 50.4Mt @ 1.00% Li₂O
- Met Results: 79% recoveries of high quality spodumene concentrate grading 5.83% Li₂O
- 50,000 m (50 km)/286 drill holes completed in 11 months, as of April 2024
- Excellent upside and potential to increase resource base with additional drilling

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% Li₂O
- 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 km²)
- 25 km long spodumene-in-till anomaly defined at Pontax – similar in magnitude to the Whabouchi area
- Additional targets for follow-up within the Rupert project

Project Exploration Phases

Yellowknife - resource defined → economic studies

Cali – initial drill test → resource definition

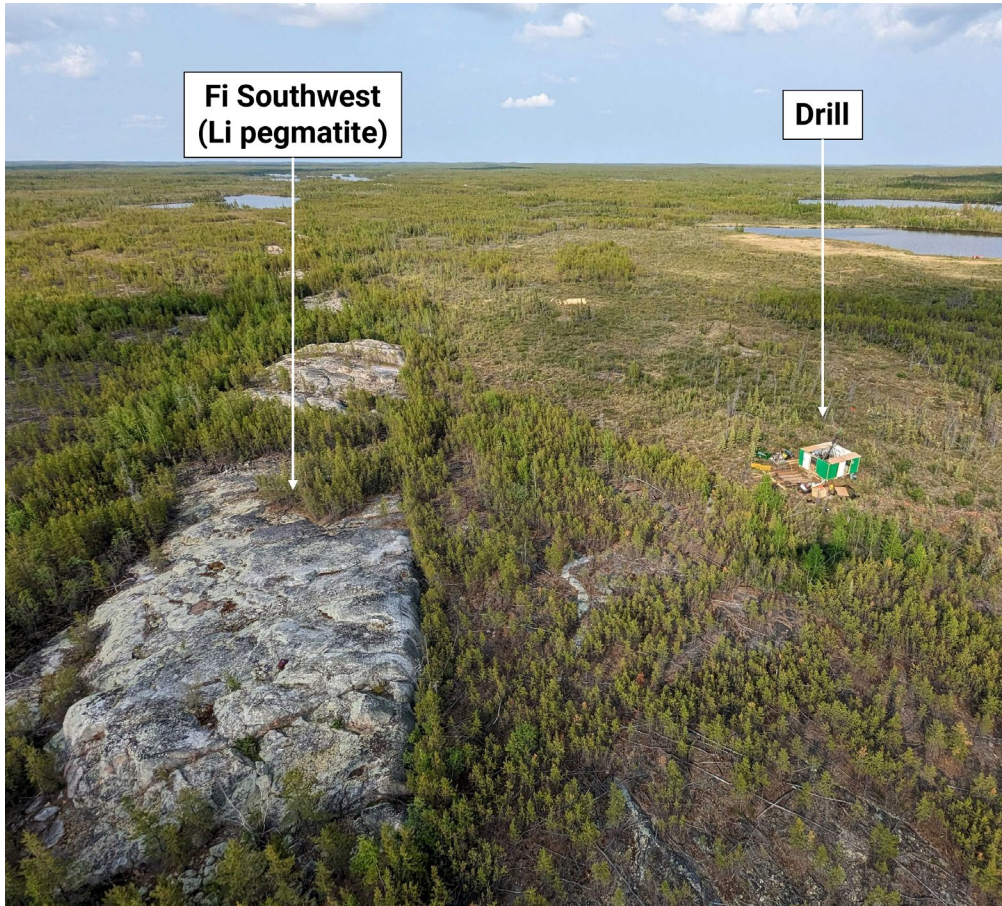
Quebec Greenfields – drill target definition → discovery drilling

Yellowknife Lithium Project - Overview

Located in the Yellowknife Pegmatite Province

A World-class Hard-rock Lithium Deposit.

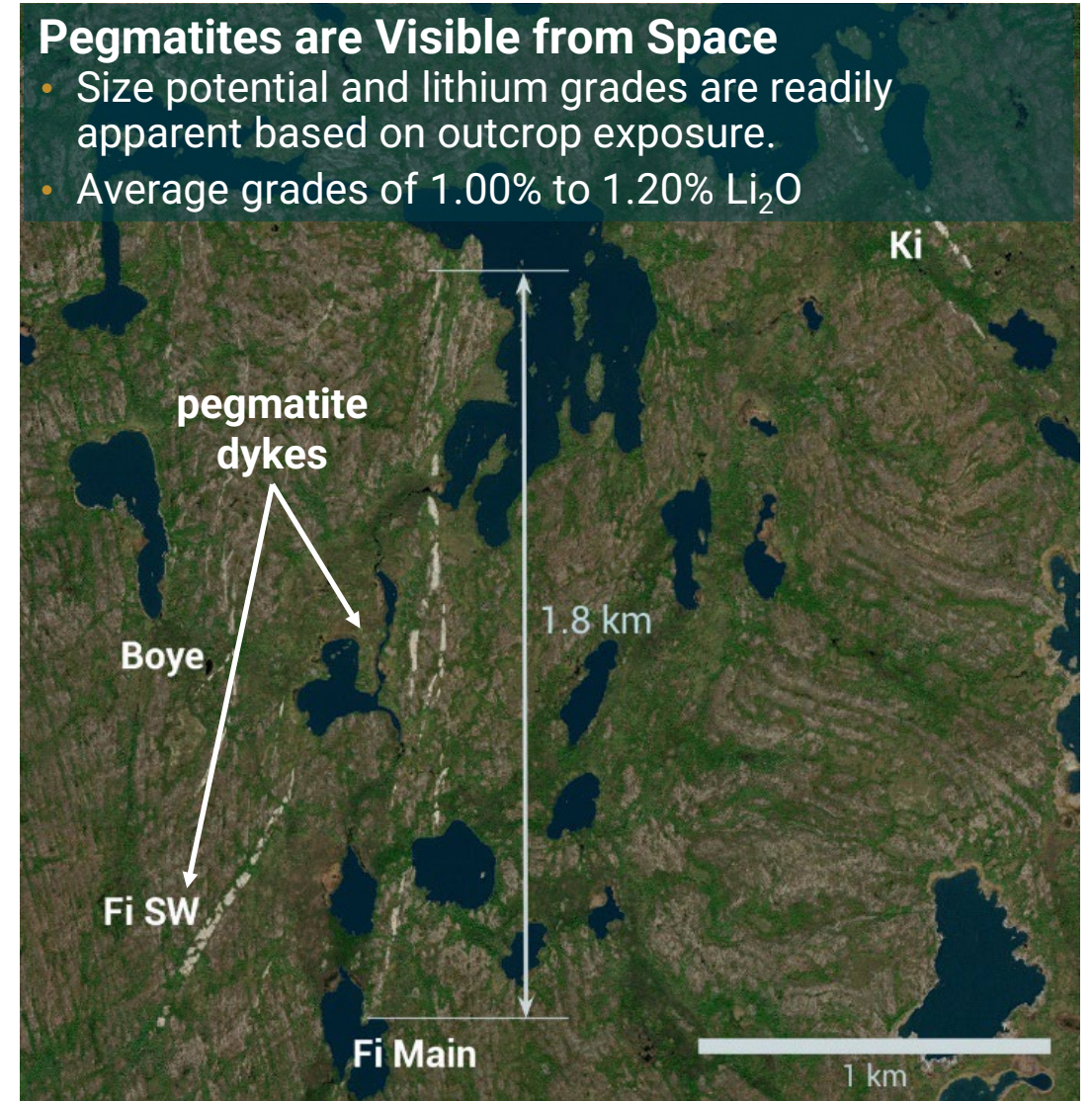
- The largest known lithium resource in Canada.
- Has the potential to be one of the largest lithium mining districts in North America.



Abundant outcrop with almost complete exposure sets the Yellowknife Project apart.

Pegmatites are Visible from Space

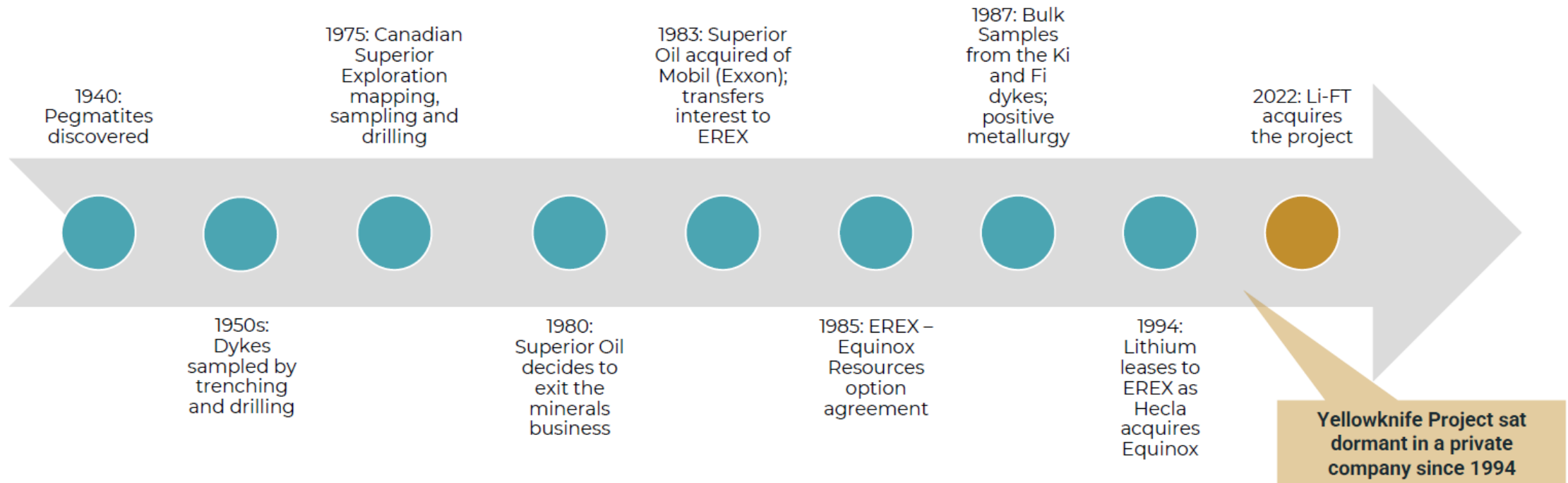
- Size potential and lithium grades are readily apparent based on outcrop exposure.
- Average grades of 1.00% to 1.20% Li_2O



Yellowknife Pegmatite Province History

Li-FT owns the mineral rights to the vast majority of the known Lithium-bearing pegmatites in the Yellowknife Pegmatite Province (YPP).

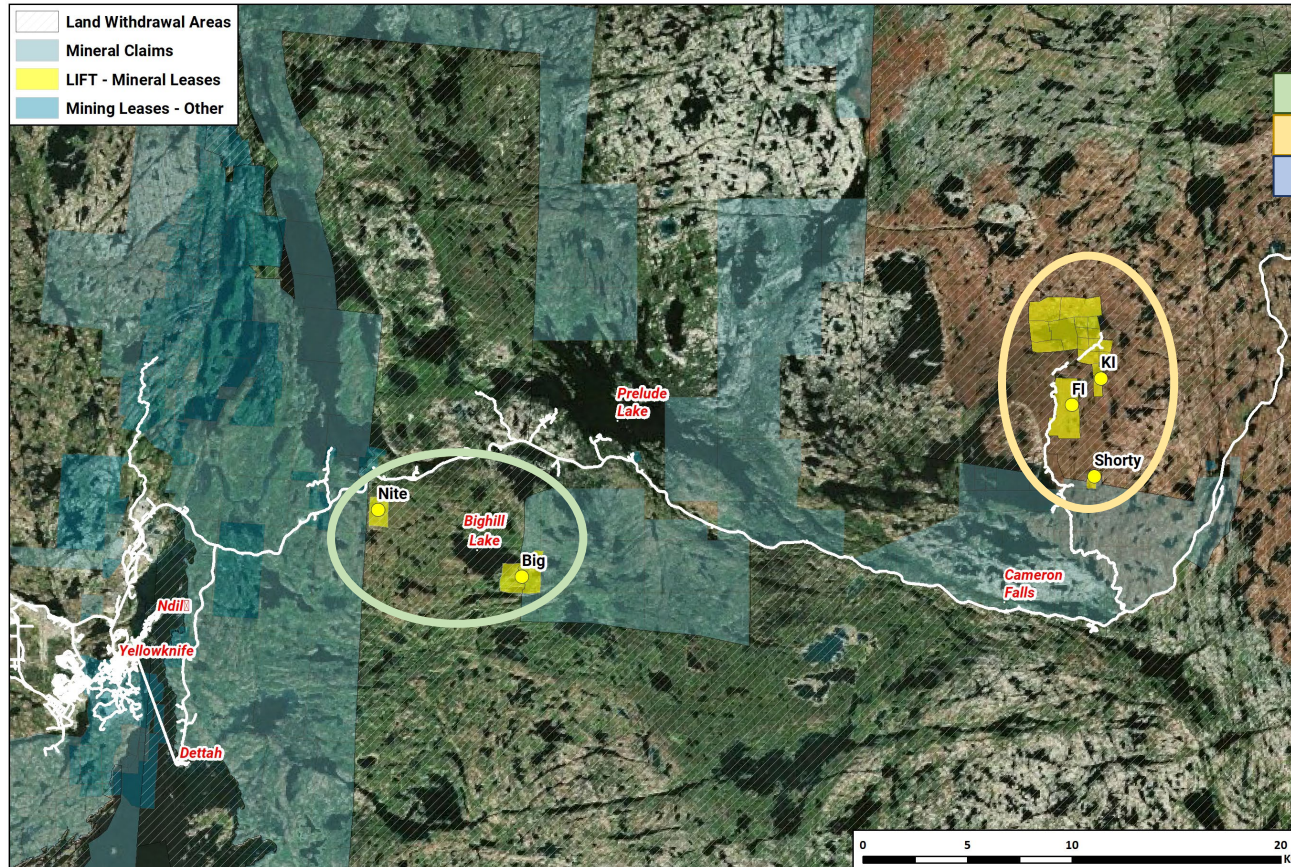
- Superior Oil conducted surveys looking for spodumene across the YPP in the mid-1970s.
- They looked at all exposed (i.e. not covered in soil) occurrences of lithium deposits.
- They discovered many deposits, but only kept the best (widest, biggest, highest grade).
- Li-FT eventually acquired all of the best lithium deposits around the Yellowknife area.



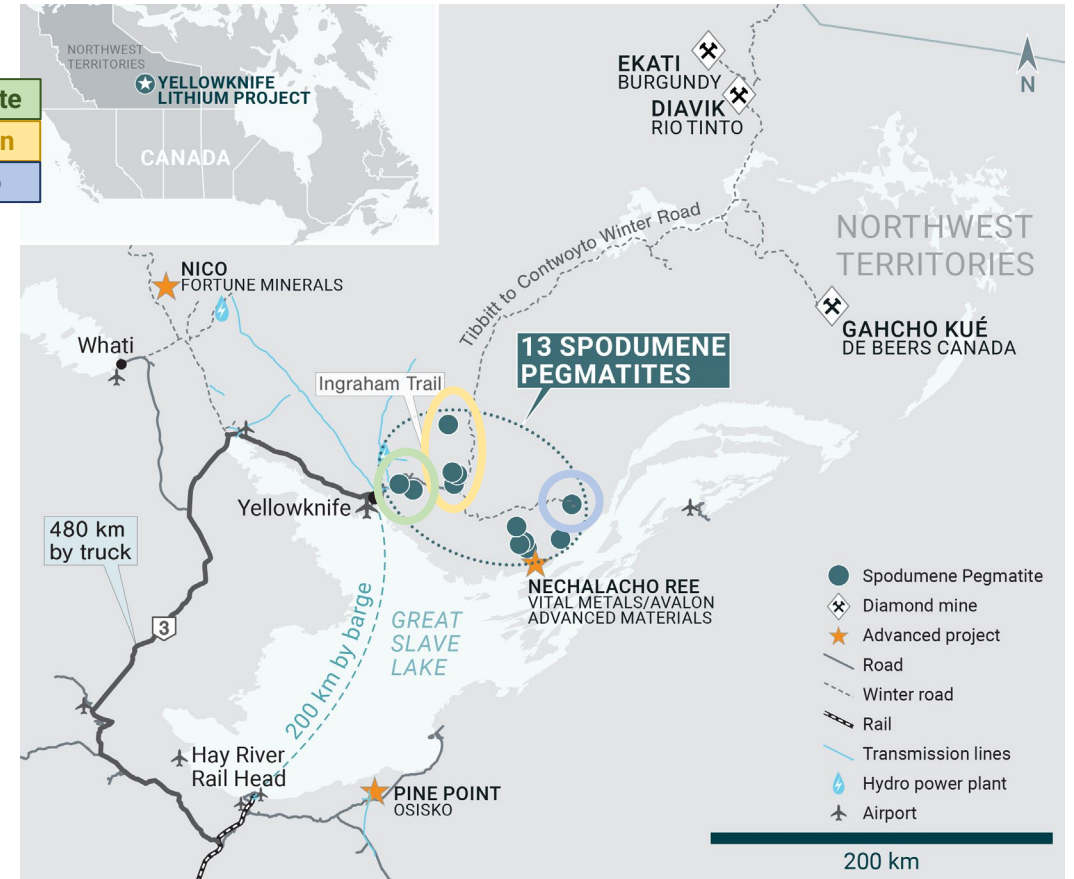
There is Potential for an Economic Lithium Mine

Yellowknife spodumene could be competitive on the global market:

- 7 of Li-FT's 13 deposits are "road-accessible" (Ingraham Trail)
 - ore could be processed at one central processing plant
- spodumene concentrate could be shipped by road or by barge to Hay River
 - transfer to rail at Hay River and ship anywhere in the world at a relatively low cost



- Big-Nite
- Hidden
- Echo



There is a Short Window of Opportunity

We have a window of opportunity to create value and benefits from the Lithium around Yellowknife, but this window will eventually close.

Lithium is common on Earth.

- There are many opportunities for new hard-rock Lithium mines globally.
- Projects that can get to production fastest are the most likely to be successful.
 - Not all projects will find investors and get developed.

New technologies for Lithium extraction are emerging.

- These technologies could greatly increase production at much lower costs.
 - If the new technologies become feasible, hard-rock mining projects may never get developed.
- The NT has experienced this before, in the Oil and Gas Sector:
 - The Mackenzie Valley Pipeline

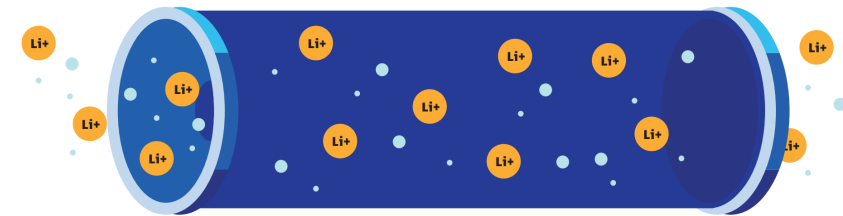
Who will win the lithium race?

'White gold' could remake the geopolitical landscape – with winners and losers on either side



Goldman Sachs

EQUITY RESEARCH | April 27,



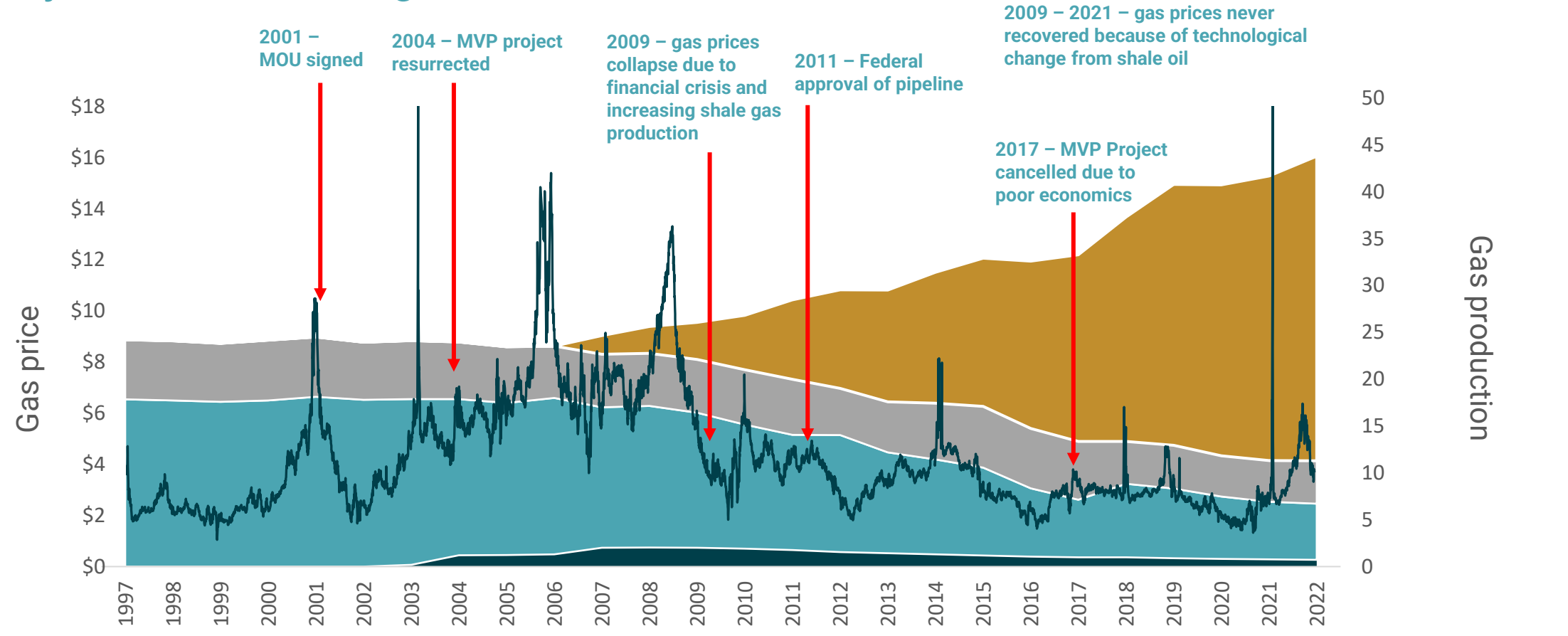
Global Metals & Mining

Direct Lithium Extraction: A potential game changing technology

The implementation of Direct Lithium Extraction (DLE) technologies has the potential to significantly increase the supply of lithium from brine projects (much like shale did for oil), nearly **doubling lithium production** on higher recoveries and improving project returns, though with the added bonus of offering ESG/sustainability benefits, while also **widening rather than steepening the lithium cost curve**. We explore the progress, economics, and implications of DLE being implemented at scale, with increasing relevance in the context of Chile's recent National Lithium Policy.

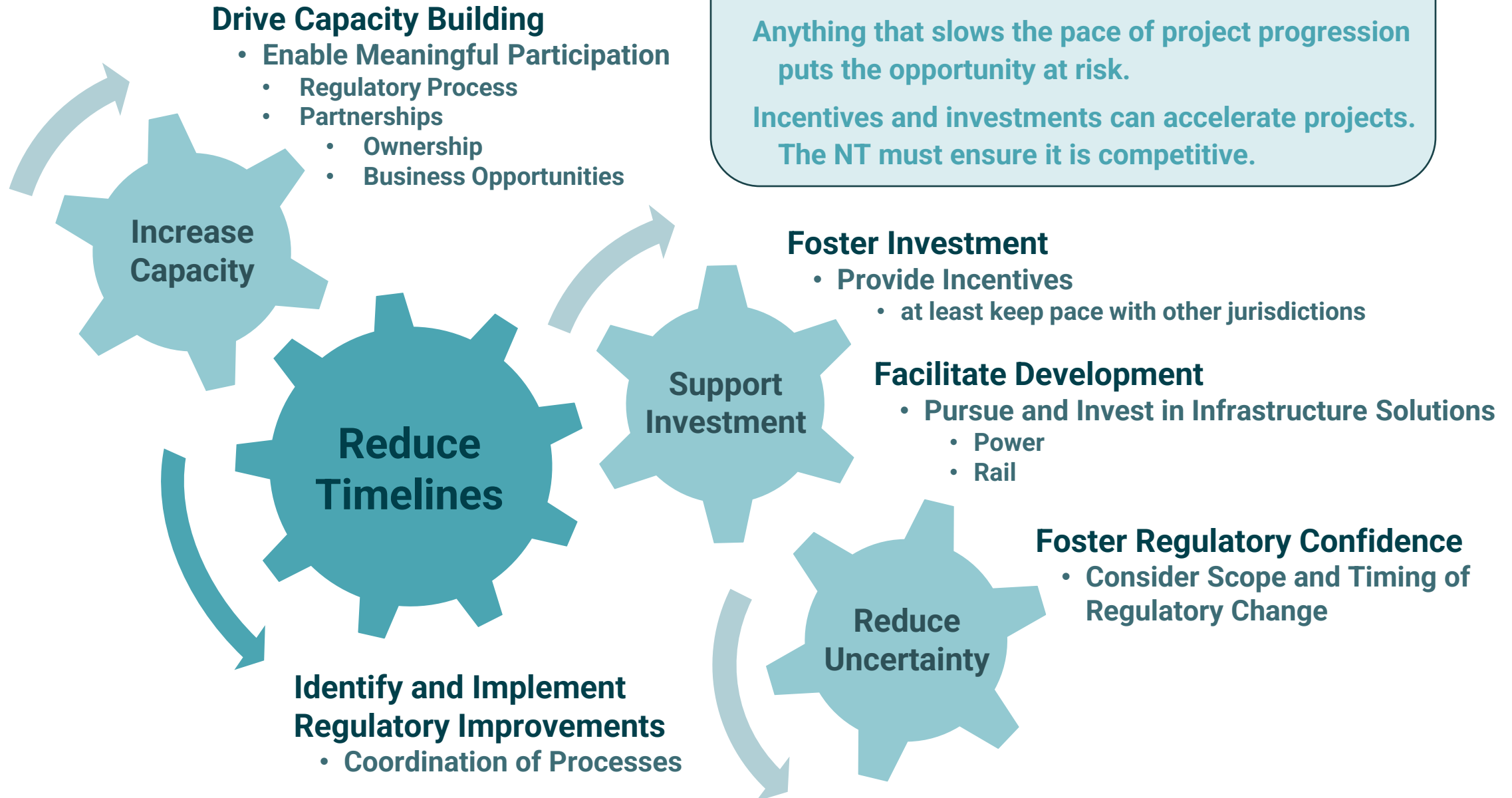
Lessons from the Past: Mackenzie Valley Pipeline (MVP)

Killed by the USA shale oil/gas revolution.



- U.S. Natural Gas Gross Withdrawals from Shale Gas (MMcf)
- U.S. Natural Gas Gross Withdrawals from Oil Wells (MMcf)
- U.S. Natural Gas Gross Withdrawals from Gas Wells (MMcf)
- U.S. Natural Gas Gross Withdrawals from Coalbed Wells (MMcf)
- Henry Hub Natural Gas Spot Price (Dollars per Million Btu)

Headwinds and Tailwinds



CONTACT

Head Office

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

Email: Investors@Li-FT.com

Francis MacDonald

Chief Executive Officer

April Hayward

Chief Sustainability Officer

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TSXV: LIFT | OTCQX: LIFF | FRA: WS0





North Arrow
MINERALS INC.

North Arrow Minerals
Lithium Exploration in the NWT
SCEDE Presentation

October 31, 2024



North Arrow MINERALS INC.

FORWARD-LOOKING INFORMATION

This presentation contains projections and forward-looking information that involve various risks and uncertainties, including, without limitation, statements regarding the potential extent of mineralization, resources, reserves, exploration results and plans and objectives of North Arrow Minerals Inc. These risks and uncertainties include, but are not restricted to, the amount of geological data available, the uncertain reliability of drilling results and geophysical and geological data and the interpretation thereof and the need for adequate financing for future exploration and development efforts. There can be no assurance that such statements will prove to be accurate. Actual results and future events could differ materially from those anticipated in such statements. These and all subsequent written and oral forward-looking statements are based on the estimates and opinions of management on the dates they are made and are expressly qualified in their entirety by this notice. The Company assumes no obligation to update forward looking statements should circumstances or management's estimates or opinions change.

QUALIFIED PERSON
UNDER NI 43-101

Disclosure of a scientific or technical nature related to North Arrow's projects in this presentation has been reviewed and approved by Ken Armstrong, P.Geo. President and CEO of North Arrow and a Qualified Person under NI 43-101.



North Arrow is a Canadian company focused on the identification and evaluation of exploration opportunities.



North Arrow's management and directors have a successful track record of resource discovery and development in Canada and Africa.



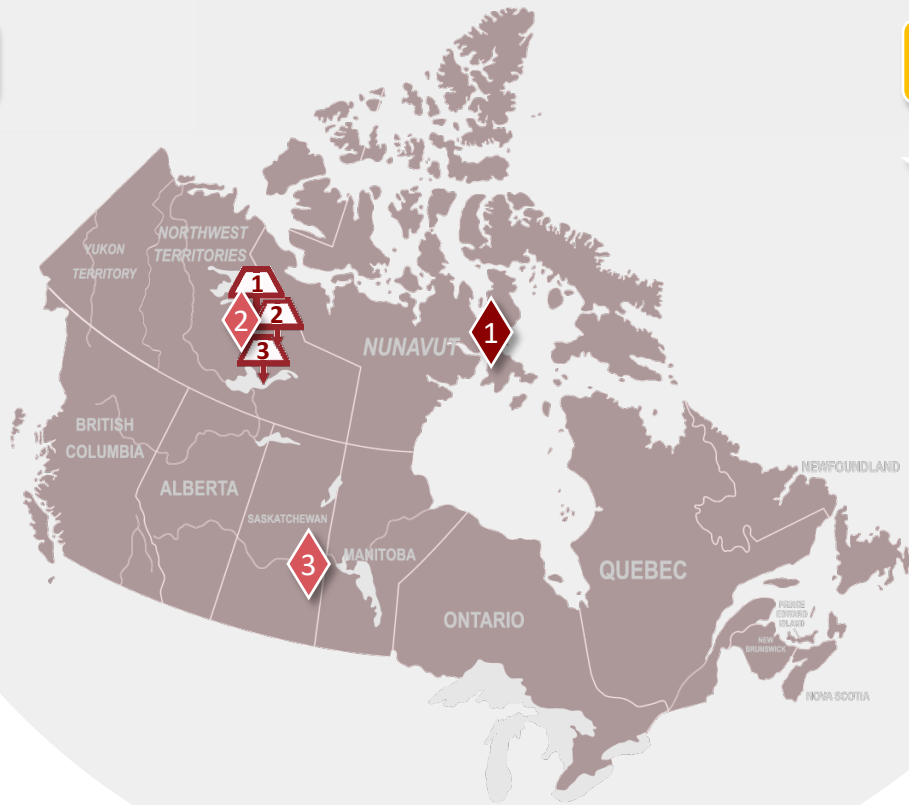
NORTH ARROW'S PROJECT PIPELINE

Permitted & Drill Ready - Lithium

1 **LDG Lithium**
(100%)
*Spodumene lithium
pegmatite showings*

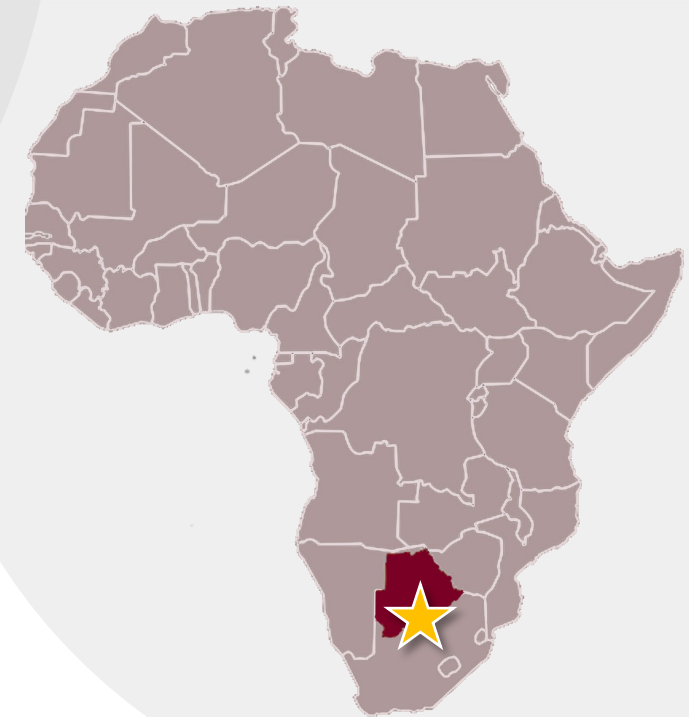
2 **MacKay Lithium**
(100%)
*Spodumene lithium
pegmatite showings*

3 **DeStaffany**
(100%)
*Spodumene lithium
pegmatite showings*



Grassroots / Brownfields- Gold

★ Kraaipan Gold Project, Botswana
(*earning up to 80%*)
*>60 km of an underexplored and
fertile Archean greenstone belt*



Advanced Stage - Diamonds

1 **Naujaat (60%)**
*Significant diamond inventory;
High-value fancy orange & yellow
diamonds*

Discovery Stage - Diamonds

2 **Loki (100%)**
Kimberlite discovery - 2018
3 **Pikoo (100%)**
Kimberlite discovery - 2016

HARD ROCK LITHIUM PROJECT PIPELINE

Advanced/Discovery Stage Lithium

1 **LDG Lithium (100%)**
Spodumene lithium pegmatite showings

2 **MacKay Lithium (100%)**
Spodumene lithium pegmatite showings

3 **DeStaffany (100%)**
Spodumene lithium pegmatite showings



Grassroots Lithium

4 **Bathurst Inlet (100%)**
Pegmatites with unknown mineralogy

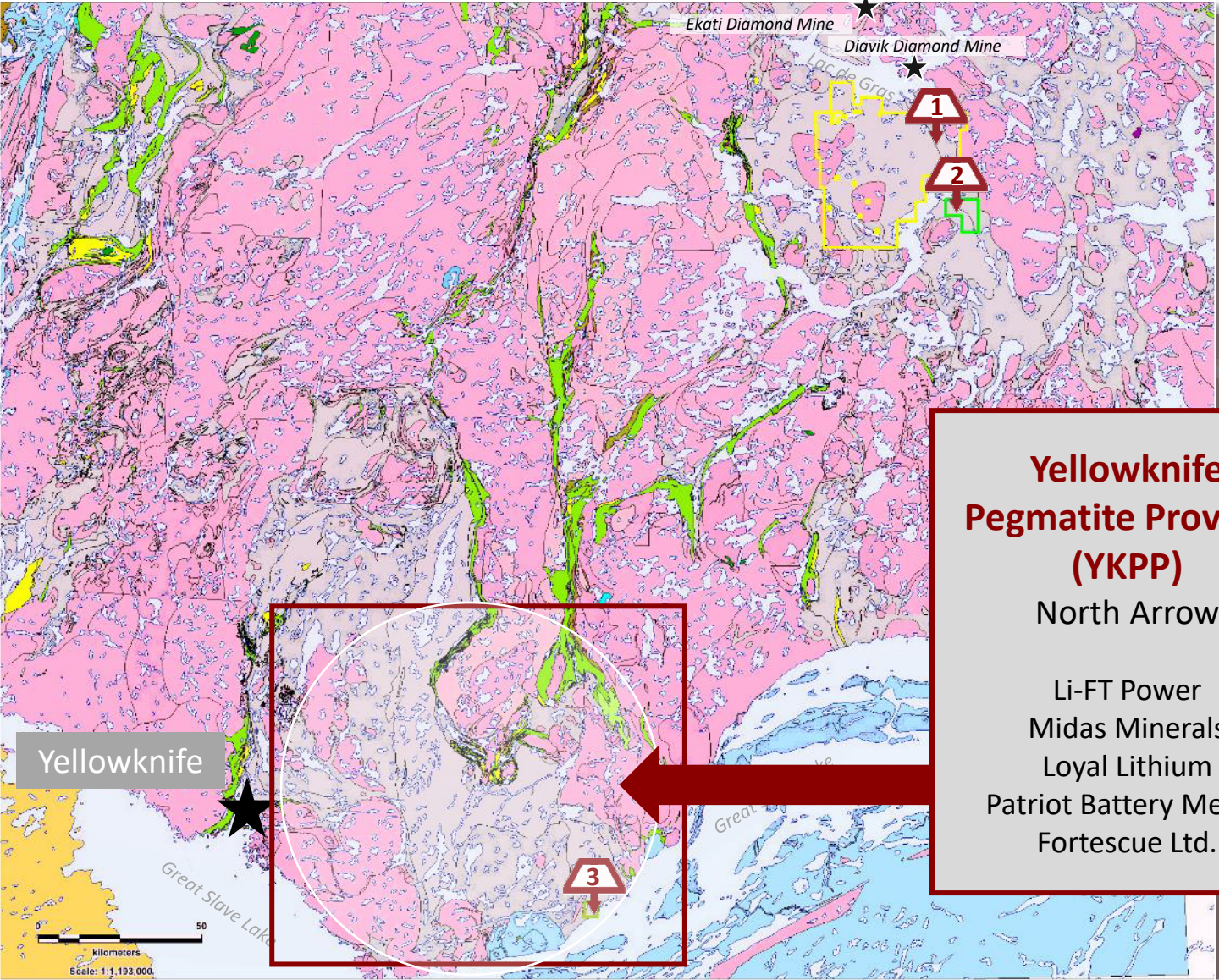
A four-project portfolio for ~\$60,000 in acquisition costs including staking

Three properties with drill ready spodumene pegmatite targets

DESTAFFANY LITHIUM PROJECT

Advanced/Discovery
Stage Lithium

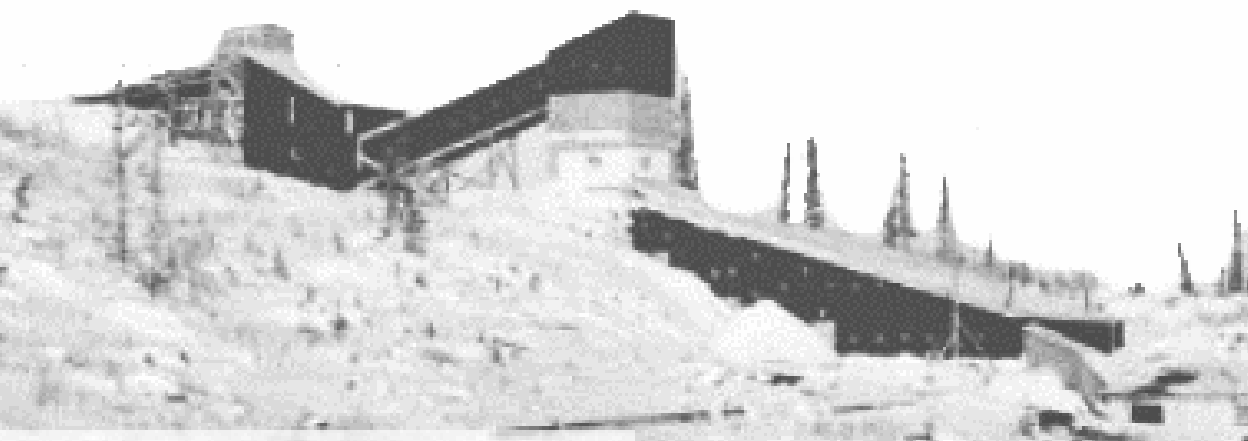
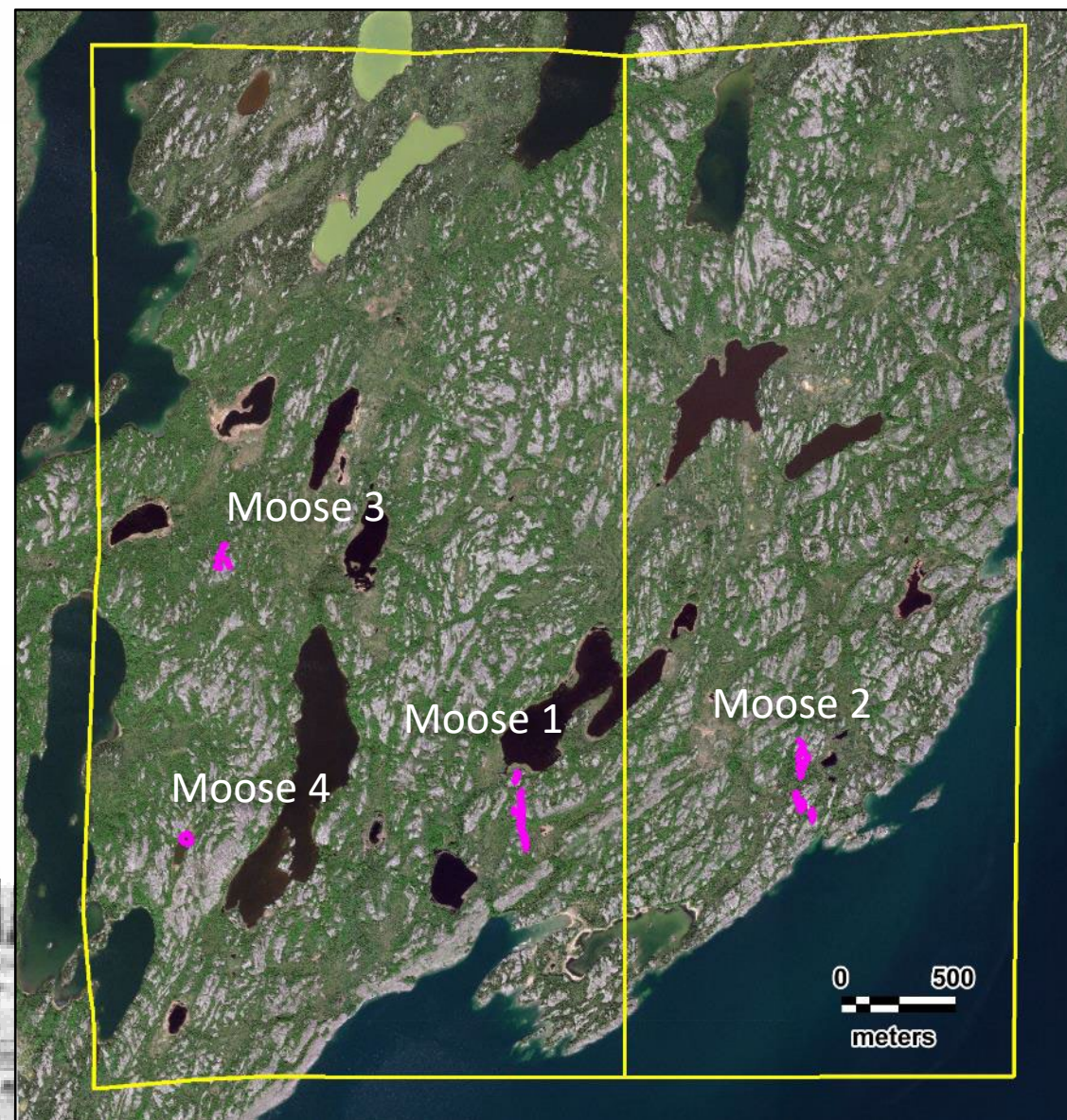
3 DeStaffany
(100%)
Spodumene lithium
pegmatite project





DESTAFFANY LITHIUM PROJECT

- Moose 1 and Moose 2 spodumene pegmatites
- Moose 2 was test mined for Ta, Nb, Sn in the 1940's & 50's but **never evaluated for lithium**
- NAR "Re-discovered" Moose 3 and Moose 4 in 2023
- Spodumene pegmatites like being evaluated by LIFT
- Need to be drilled
- Close to lake shore and access to Yellowknife and Hay River.



DeStaffany Mine from Great Slave Lake, 1955



LDG & MACKAY LITHIUM PROJECTS

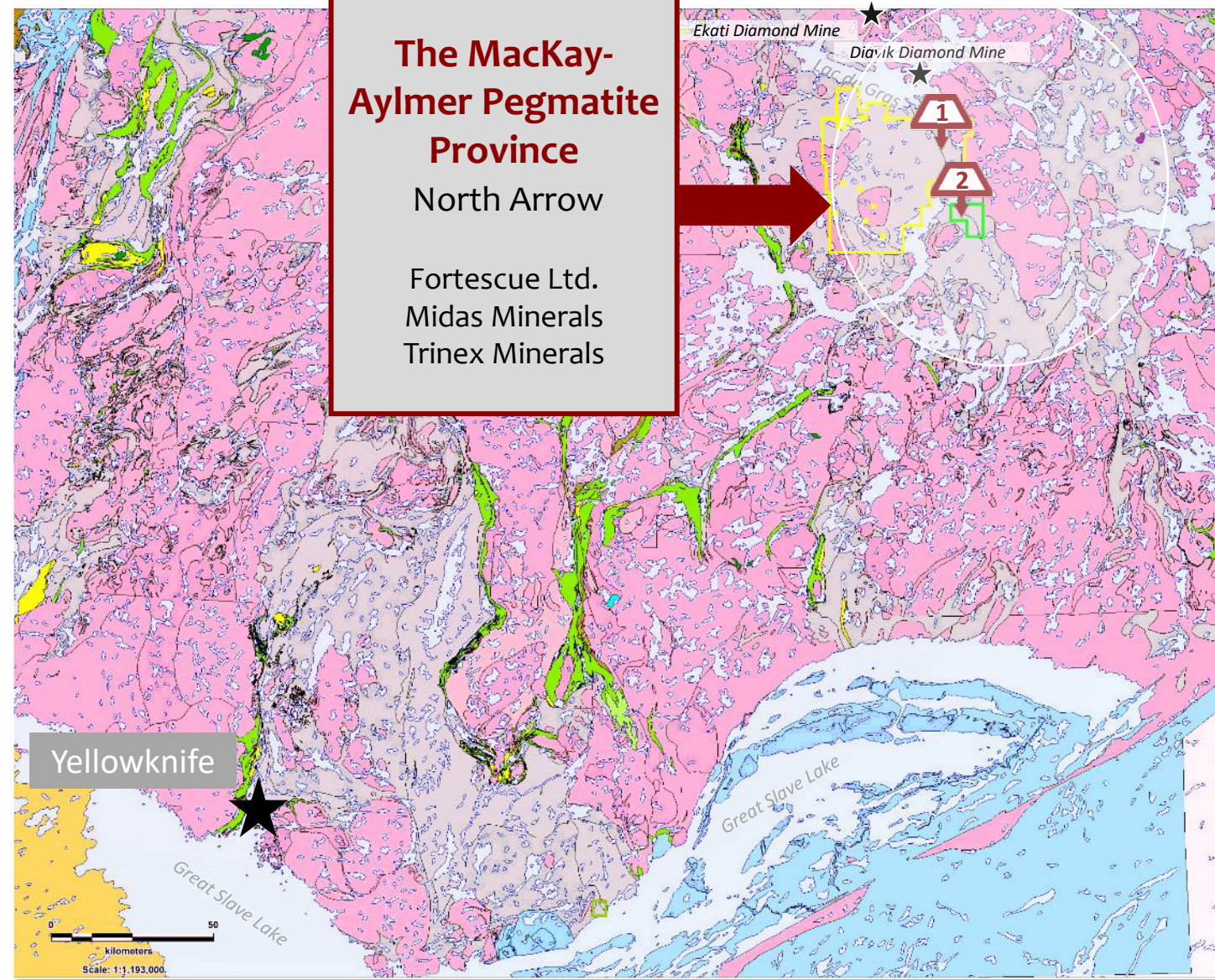
Advanced/Discovery Stage Lithium

1 **LDG Lithium (100%)**
Spodumene lithium pegmatite showings

2 **Mackay Lithium (100%)**
Spodumene lithium pegmatite showings

The Mackay-Aylmer Pegmatite Province
North Arrow

Fortescue Ltd.
Midas Minerals
Trinex Minerals

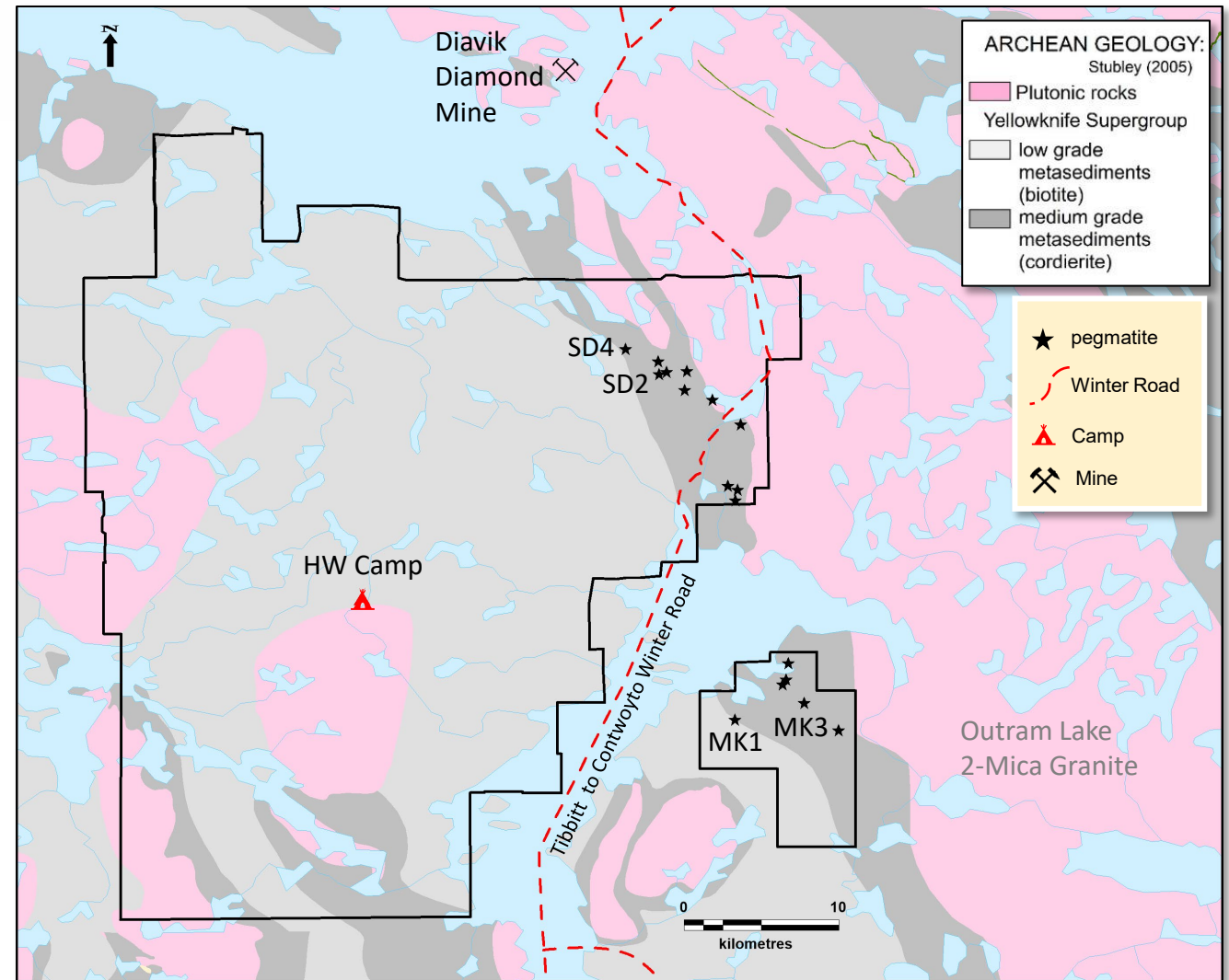




LDG & MACKAY LITHIUM PROJECTS – NAR 100%

North Arrow MINERALS INC.

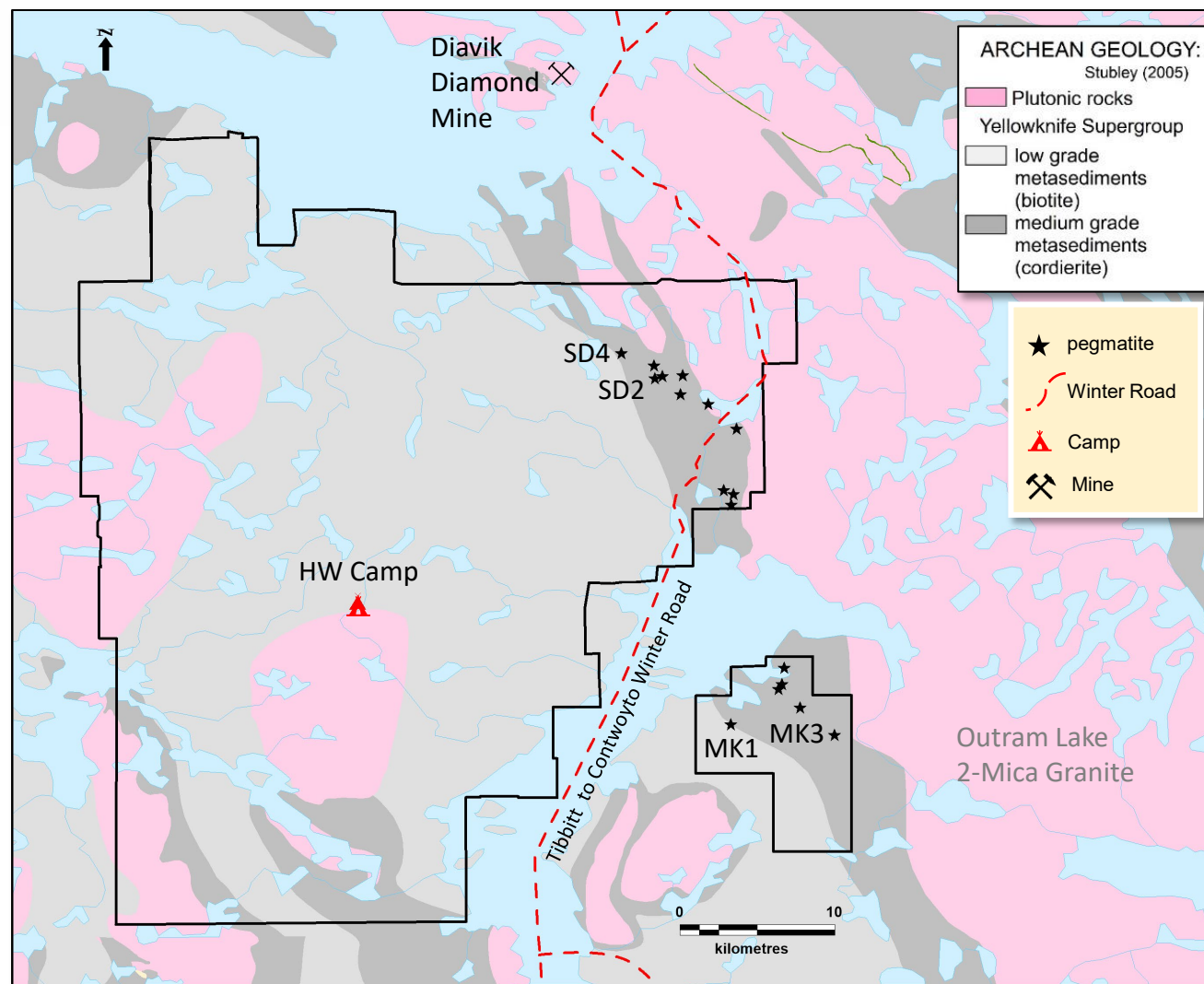
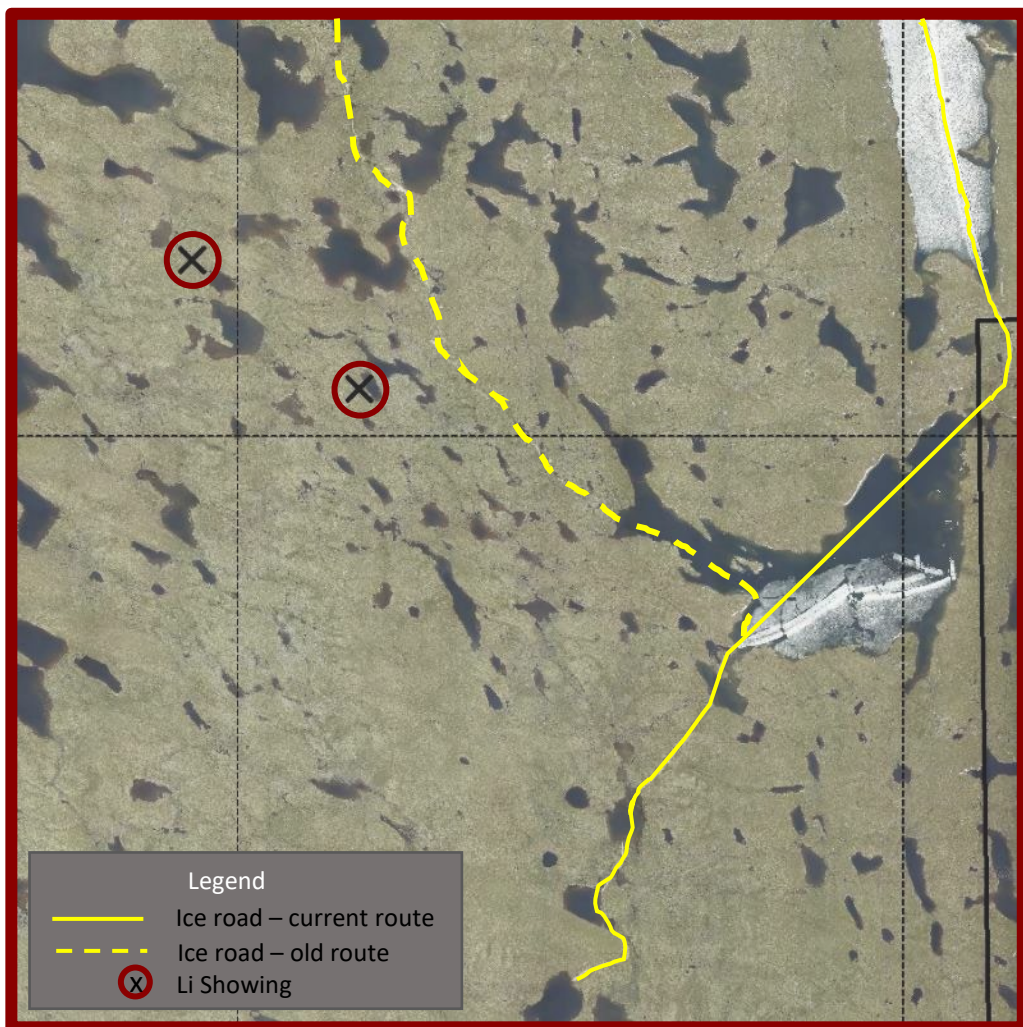
- Four drill ready spodumene pegmatites
- Multiple additional prospective pegmatites
- Located within kilometres of winter road
- Same setting and potential as the Yellowknife Pegmatite Province
- Drilling permits and exploration camp are in place – LDG already had a permit, Mackay was included under LDG LUP in under 45 days





LDG LITHIUM – SD2 and SD4 Spodumene Pegmatites

North Arrow MINERALS INC.

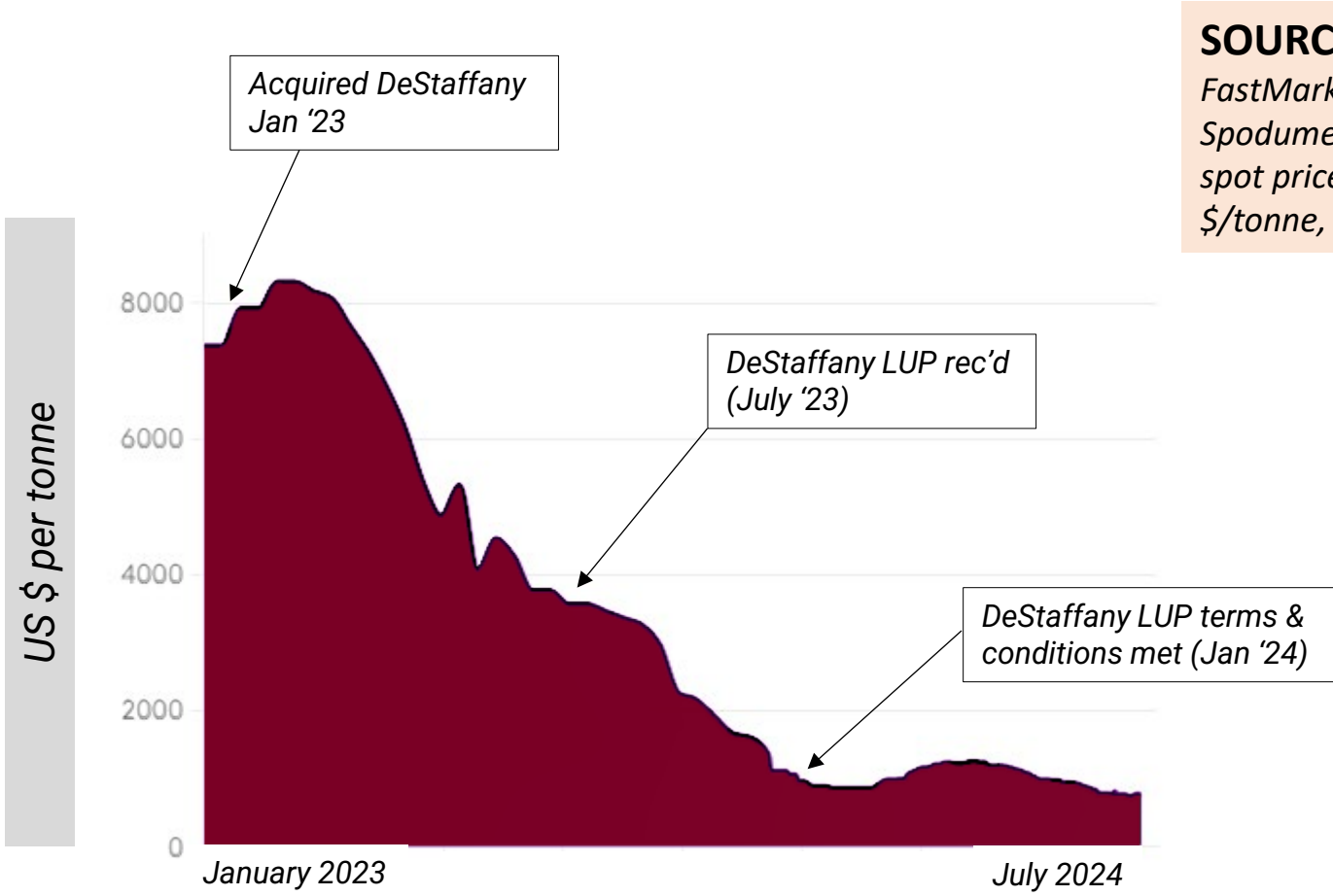




NORTH ARROW LITHIUM PROJECTS



Lithium price (Spodumene concentrate) January 2023 through July 2023



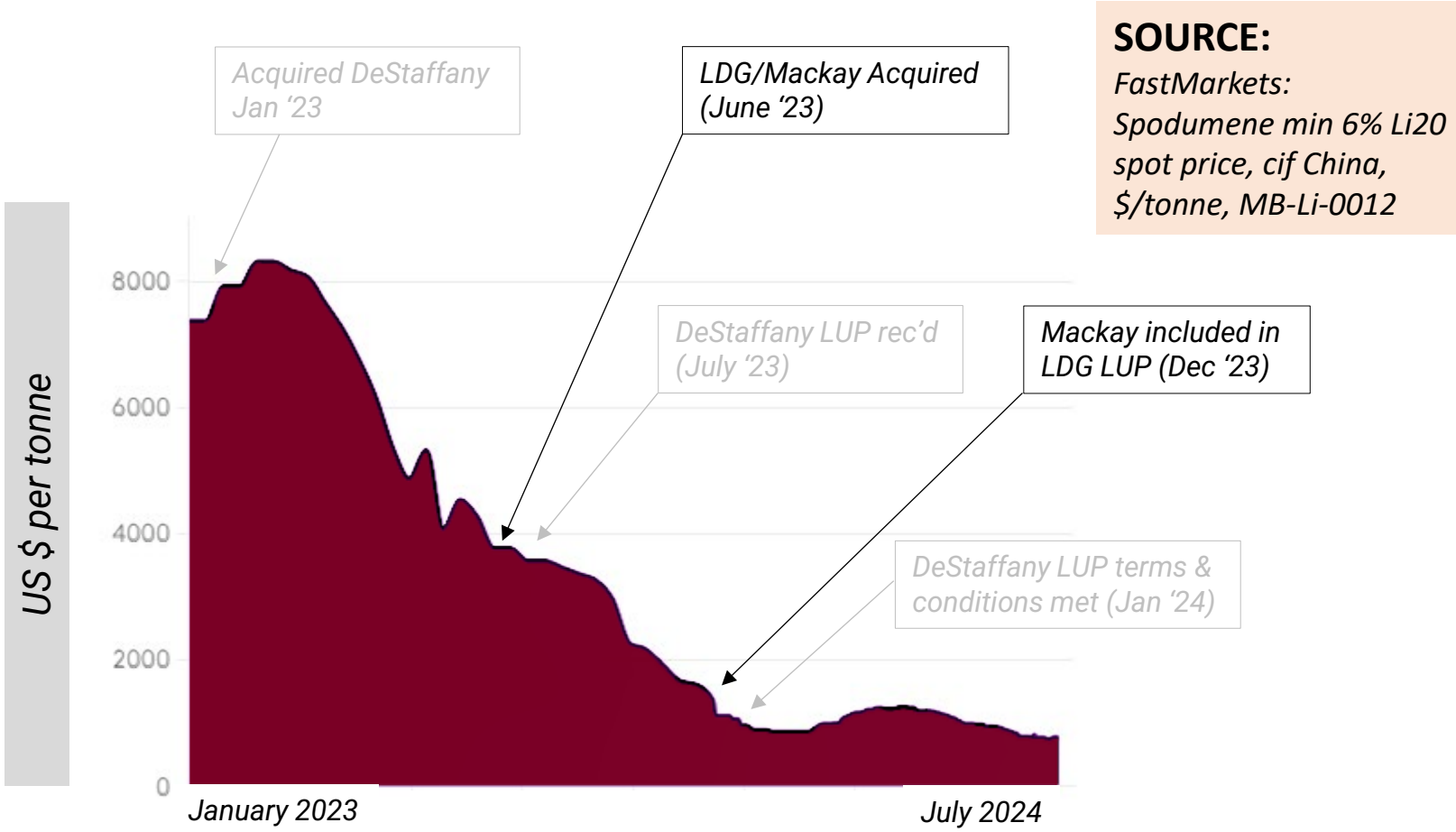
SOURCE:
FastMarkets:
Spodumene min 6% Li₂O
spot price, cif China,
\$/tonne, MB-Li-0012



NORTH ARROW LITHIUM PROJECTS



Lithium price (Spodumene concentrate) January 2023 through July 2023






North Arrow
MINERALS INC.

SCOREBOARD

AUGUST 2024

Lithium-Ion Bull

NOT INVESTMENT ADVICE. DO YOUR OWN RESEARCH

RK Equity											
 LITHIUM SCOREBOARD August 31, 2024		Ticker	Exchange	Share Price (08/31/24)	Market Cap (USDMM)	1 mo	3 mo	YTD	Location	Type	
		Chemical Producers									
<p>Lithium Chemicals Producers (Li Feedstock used to make batteries) – 8 of 12 are Chinese</p>		Qinghai Salt Lake Industry	000792.SZ	Shenzhen	¥ 13.96	\$ 10 989	-4%	-16%	-7%	China	Brine
		SQM	SQM	NYSE	\$ 38.79	\$ 10 915	2%	-17%	-35%	Chile, Australia	Rock, Brine
		Albemarle	ALB	NYSE	\$ 91.65	\$ 10 607	-4%	-26%	-39%	Chile, Nevada, Australia	Rock, Brine
		Ganfeng	1772.HK	HKSE	\$ 17.70	\$ 6 866	10%	-25%	-40%	China, Australia, Argentina, Mexico	Rock, Brine
		Tianqi Lithium	002466.SZ	Shenzhen	¥ 25.57	\$ 5 367	-6%	-28%	-53%	China, Australia	Rock
		Arcadium Lithium	ALTM	NYSE	\$ 2.67	\$ 2 914	-15%	-39%	-64%	US, Argentina, China, Japan, Australia, Quebec	Rock, Brine
		Chengxin Lithium	002240.SZ	Shenzhen	¥ 11.74	\$ 1 526	-3%	-28%	-46%	China	Rock
		Sichuan Yahua	002497.SZ	Shenzhen	¥ 8.42	\$ 1 380	0%	-19%	-32%	China	Rock
		YOUNGY	002192.SZ	Shenzhen	¥ 29.59	\$ 1 084	-1%	-13%	-43%	China	Rock
		Jiangsu Dingsheng	603876.SS	Shanghai	¥ 8.51	\$ 1 083	2%	-16%	-29%	China	Rock
		Yibin Tianyuan	002386.SZ	Shenzhen	¥ 3.80	\$ 691	0%	-15%	-26%	China	Rock
		Lithium Argentina	LAAC	NYSE	\$ 2.64	\$ 426	-13%	-42%	-58%	Argentina	Brine
Spodumene Producers											
<p>6 Spodumene producers – Presently no capacity in North America to convert spodumene to lithium chemicals for batteries.</p>		Pilbara Minerals	PLS.AX	ASX	\$ 2.91	\$ 5 973	6%	-22%	-25%	Australia	Rock
		Mineral Resources	MIN.AX	ASX	\$ 40.61	\$ 5 270	-23%	-44%	-43%	Australia	Rock
		Sigma Lithium	SGML.V	TSXV	\$ 14.78	\$ 1 230	-3%	-31%	-64%	Brazil	Rock
		AMG Critical Minerals	AMG.AS	Amsterdam	€ 15.19	\$ 526	-3%	-27%	-36%	Brazil	Rock
		Sayona Mining	SYA.AX	ASX	\$ 0.03	\$ 186	-10%	-34%	-61%	Quebec	Rock
		Piedmont Lithium	PLL	NASDAQ	\$ 8.33	\$ 160	-18%	-37%	-70%	Carolina, Quebec, Ghana	Rock



LITHIUM MARKET INFO FROM RKEQUITY.COM

SCOREBOARD

AUGUST 2024

Lithium-Ion Bull

50 'Emerging Projects'

- NWT:** 1 (Li-FT)
- Canada:** 12
- U.S.A.:** 9
- Australia:** 8
- South America:** 8
- Africa:** 6
- Europe:** 5
- China & Russia** We'll never know

This is a global search for resources. Lithium is found in a variety of geological settings - NWT is not a unique locality for lithium in the way it is for diamonds.

Emerging Projects										
Liontown Resources	LTR.AX	ASX	\$	0.73	\$ 1 215	-18%	-41%	-55%	Australia	Rock
Lithium Americas	LAC	NYSE	\$	2.59	\$ 536	-10%	-28%	-61%	Nevada	Clay
Vulcan Energy Resources	VUL.AX	ASX	\$	3.86	\$ 491	-8%	-18%	39%	Germany	DLE Brine
Patriot Battery Metals	PMT.AX	ASX	\$	0.46	\$ 437	-9%	-48%	-61%	Quebec	Rock
Develop Global Limited	DVP.AX	ASX	\$	2.16	\$ 377	4%	-4%	-21%	Western Australia	Rock
Latin Resources Ltd	LRS.AX	ASX	\$	0.21	\$ 374	43%	-20%	-27%	Argentina, Brazil	Rock
Lithium Royalty Corp	LIRC.TO	TSX	\$	6.01	\$ 262	-7%	-13%	-26%	Global	Other
Standard Lithium	SLI.V	TSXV	\$	1.85	\$ 240	-4%	-25%	-35%	Arkansas	DLE Brine
Wildcat Resources	WC8.AX	ASX	\$	0.29	\$ 238	28%	-30%	-56%	Western Australia	Rock
Ioneer	INR.AX	ASX	\$	0.14	\$ 233	27%	-20%	10%	Nevada	Rock
International Battery Metals	IBAT.CN	CSE	\$	1.01	\$ 185	-17%	-27%	32%	Global	Tech
Atlas Lithium	ATLX	NASDAQ	\$	10.15	\$ 158	-7%	-27%	-68%	Brazil	Rock
Core Lithium	CXO.AX	ASX	\$	0.09	\$ 134	3%	-30%	-65%	Australia	Rock
Kodal Minerals	KOD.L	LSE	£	0.51	\$ 130	-11%	-16%	40%	Mali	Rock
Frontier Lithium	FLV	TSXV	\$	0.65	\$ 121	9%	-15%	-11%	Ontario	Rock
Savannah Resources	SAV.L	LSE	£	4.00	\$ 109	5%	20%	88%	Portugal	Rock
Atlantic Lithium	ALLL	LSE	£	13.02	\$ 106	-31%	-45%	-45%	Ghana	Rock
Delta Lithium (ex Red Dirt Metals)	DLI.AX	ASX	\$	0.23	\$ 105	-6%	-21%	-54%	Australia	Rock
Lithium Chile Inc.	LITH.V	TSXV	\$	0.60	\$ 93	9%	-20%	5%	Chile	Brine
Rock Tech Lithium	RCKV	TSXV	\$	1.25	\$ 92	-17%	-9%	-13%	Ontario	Rock
Li-FT Power Ltd.	LIFT.V	TSXV	\$	2.50	\$ 86	18%	-28%	-54%	Canada	Rock
Anson Resources	ASN.AX	ASX	\$	0.10	\$ 84	-19%	-25%	-33%	Utah	Brine
Lithium Ionic Corp.	LTH.V	TSXV	\$	0.66	\$ 81	20%	-23%	-60%	Brazil	Rock
E3 Lithium	ETL.V	TSXV	\$	1.39	\$ 80	22%	-19%	-36%	Alberta	DLE Brine
American Lithium	LI.V	TSXV	\$	0.53	\$ 79	-23%	-49%	-69%	Nevada	Clay
Winsome Resources	WR1.AX	ASX	\$	0.51	\$ 77	-8%	-52%	-52%	Quebec	Rock
Brightstar Resources	BTR.AX	ASX	\$	0.02	\$ 75	27%	27%	19%	Western Australia	Rock
Andrada Mining (ex AfriTin)	ATM.L	LSE	£	3.45	\$ 71	6%	-29%	-35%	Namibia	Rock
Critical Elements Corporation	CRE.V	TSXV	\$	0.41	\$ 68	-23%	-52%	-56%	Quebec	Rock
American Battery Technology Company	ABAT	NASDAQ	\$	1.09	\$ 65	3%	-20%	-75%	Nevada	Clay
Q2 Metals Corp.	QTWO.V	TSXV	\$	0.58	\$ 61	148%	94%	170%	Canada	Rock
Zinnwald Lithium	ZNWD.L	LSE	£	9.40	\$ 57	17%	-16%	37%	Germany	Rock
Argosy Minerals Limited	AGY.AX	ASX	\$	0.05	\$ 49	22%	-60%	-66%	Argentina	Rock
Arizona Lithium	AZL.AX	ASX	\$	0.02	\$ 48	-6%	-30%	-47%	Arizona	Clay
Galan Lithium	GLN.AX	ASX	\$	0.13	\$ 47	0%	-38%	-81%	Argentina	Brine
Raiden Resources	RDN.AX	ASX	\$	0.03	\$ 47	13%	-42%	-37%	Western Australia	Rock
Lake Resources	LKE.AX	ASX	\$	0.04	\$ 45	11%	-33%	-70%	Argentina	DLE Brine
Volt Lithium Corp.	VLT.V	TSXV	\$	0.41	\$ 44	1%	85%	98%	Canada	DLE Brine
Global Lithium Resources	GL1.AX	ASX	\$	0.25	\$ 43	-6%	-33%	-79%	Australia	Rock
Surge Battery Metals Inc.	NILI.V	TSXV	\$	0.32	\$ 41	-6%	-18%	-56%	Nevada	Clay
Prospect Resources	PSC.AX	ASX	\$	0.10	\$ 38	-5%	-45%	19%	Namibia, Zambia, Zimbabwe	Rock
European Lithium	EUR.AX	ASX	\$	0.04	\$ 37	-11%	-15%	-64%	Austria	Rock
Azimet Exploration Inc.	AZM.V	TSXV	\$	0.49	\$ 33	0%	-15%	-43%	Canada	Rock
CleanTech Lithium	CTLL	LSE	£	17.00	\$ 31	-15%	-20%	-14%	Chile	Brine
Century Lithium	LCE.V	TSXV	\$	0.27	\$ 29	-4%	-32%	-46%	Nevada	Clay
European Metals Holdings	EMHAX	ASX	\$	0.19	\$ 28	-18%	-50%	-51%	Czech	Rock
Power Metals Corp.	PWM.V	TSXV	\$	0.25	\$ 28	-7%	-19%	0%	Ontario	Rock
Brunswick Exploration Inc.	BRW.V	TSXV	\$	0.18	\$ 26	-11%	-55%	-78%	Canada	Rock
Premier African Minerals Limited	PREM.L	LSE	£	0.06	\$ 25	-6%	-50%	-74%	Zimbabwe	Rock
Premier African Minerals	PREM.L	LSE	£	0.06	\$ 25	-6%	-50%	-74%	Zimbabwe	Rock

CHALLENGES TO (MINING) LITHIUM in the NWT

Remote

Geography won't change; long distances to international markets and suppliers are a reality

Seasonality

Cold, dark winter months are a reality for future project developers

- Working through this period can be partially addressed by improvements to infrastructure and policy

Expensive

Long distances and lack of infrastructure lead to less work per dollar invested

- Exploration costs up to 6x higher than the south; Capital costs up to 2.5 times higher; Operating costs up to 30-60% higher
- Can be partially addressed by improvements to infrastructure and policy

Transportation
Infrastructure Deficit

Generational change – long timelines.

- Governments should not put up roadblocks for transportation options that do exist – e.g. changes to (Federal) aviation flight time rules have increased costs and cancelled programs (not just an industry matter as it also impacts servicing communities).
- Change requires vision – if diamond mines had been serviced by an all-weather road rather than the winter road we'd have easier (& more competitive) access to the Aylmer-Mackay pegmatites and other mineral deposits in the Slave Geological Province.
- Lithium is a bulk commodity - transportation costs unavoidably impact project viability.

Power Infrastructure deficit

Generational change (long timelines)

- Project financing and access to capital require projects to demonstrate a path to net zero emissions and use of green energy.
- NWT projects compete with projects in jurisdictions with ready access to green energy and therefore easier financing.
- Important reminder - legacy NWT hydro power was developed in support of mining operations.

Regulatory

Policies and regulations can impact sentiment/reputation

- Governments have most direct control to change sentiment by:
 - Strong statements from leadership supporting responsible & sustainable development of mineral resources can help increase certainty and investment sentiment.
 - Identifying and implementing regulatory improvements and streamlining opportunities (e.g. increasing capacity; reduce timelines).



North Arrow

MINERALS INC.

Ken Armstrong
President & CEO

Nick Thomas
*Community and Investor
Relations Manager*

TSXV: NAR

Suite 960-789 West Pender Street
Vancouver, BC
Canada V6C 1H2
Tel: +1.604.668.8354
info@northarrowminerals.com
www.northarrowminerals.com