



North Arrow
MINERALS INC.

Experienced
Northern Exposure

Canadian Lithium Projects

August 15, 2023

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.

WHO WE ARE

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



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





WHY INVEST IN NORTH ARROW

North Arrow

We have the recipe for success in the junior resource sector.

GOOD MANAGEMENT

- Decades of successful experience exploring Canada's North – *contacts, relationships, data* – **KNOWLEDGE**
- *Two NWT discoveries that have become mines*
- Experienced spodumene lithium pegmatite exploration
Nunavut, NWT and the Carolinas 2009-2010

GOOD PROJECTS

- Spodumene deposits close to infrastructure in the Northwest Territories (rare!)
- *LDG and Mackay Projects* – sizeable spodumene pegmatites located along winter road
- DeStaffany Project – *Located within the Yellowknife Pegmatite Province currently being assessed by Li-FT, GAMA, Loyal Li, Midas, Patriot*

GOOD TIMING

- Lithium demand is strong with >10% supply gap forecast by 2030
- Spodumene is the desired product for lithium-ion batteries
- Market will reward those who can get to production quickly – NAR focused on lithium projects that have that potential

LITHIUM AND DIAMOND PROJECT PIPELINE

Advanced/Discovery Stage Lithium

- 1 DeStaffany (100%)**
Spodumene lithium pegmatite project
- 2 LDG Lithium (100%)**
Spodumene lithium pegmatite showings
- 3 Mackay Lithium (100%)**
Spodumene lithium pegmatite showings

Grassroots Lithium

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



Advanced Stage Diamonds

Assessing a known diamond deposit

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

Discovery Stage Diamonds

Next stage of diamond exploration could lead to discovery

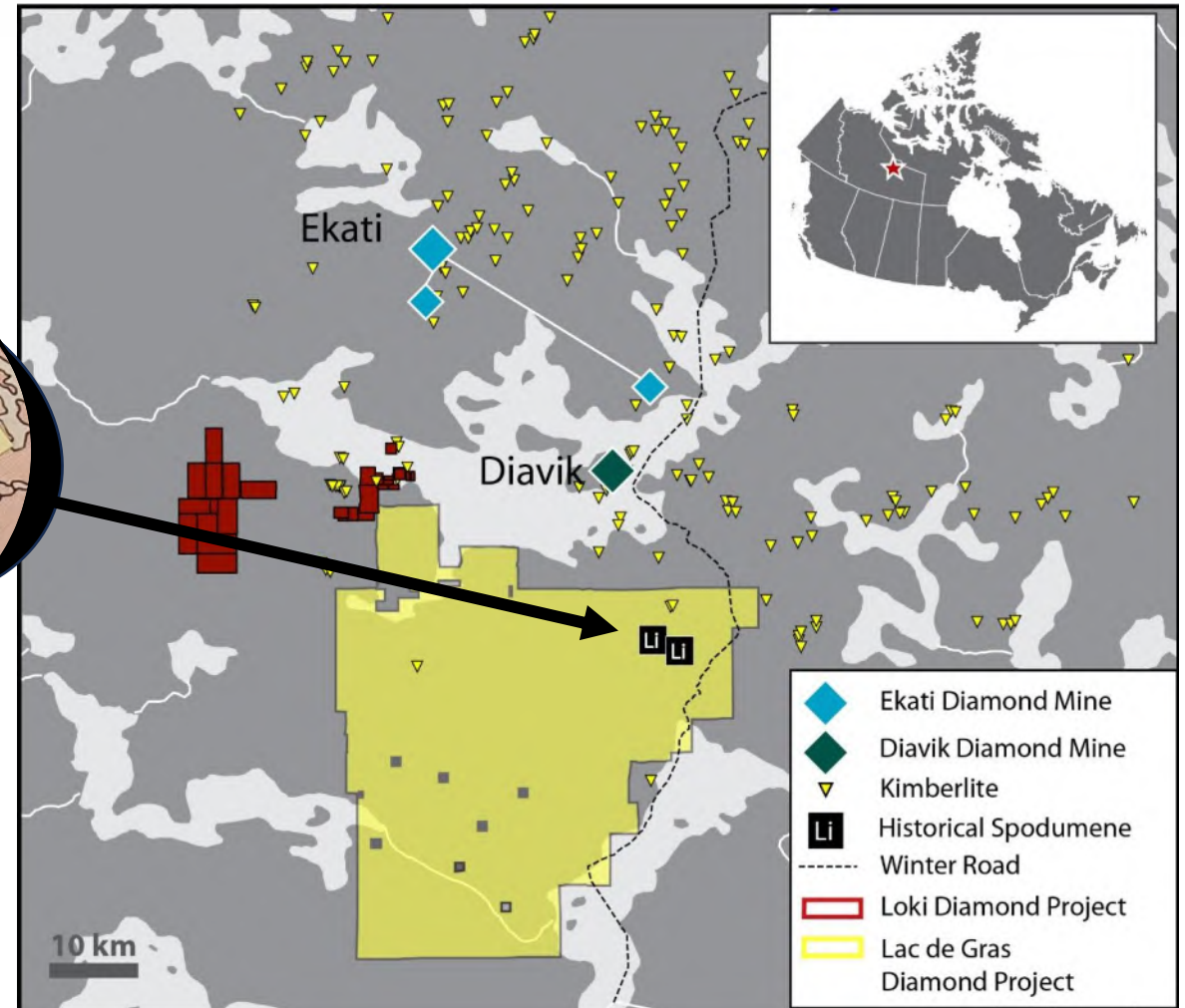
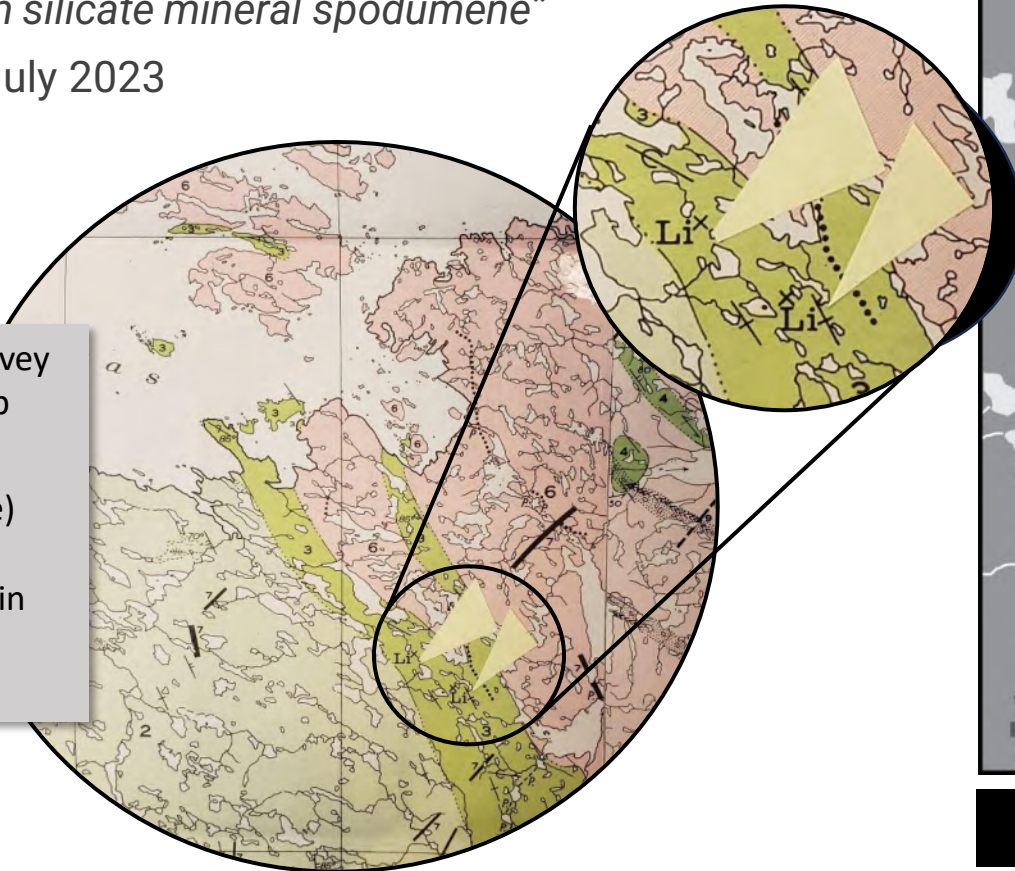
- 2. Loki (100%)**
Kimberlite discovery - 2018
- 3. Pikoo (100%)**
Kimberlite discovery - 2016

LDG LITHIUM PROJECT – NAR 100%

- “New” project benefits from extensive exploration dataset (LIDAR; geophysics, till sampling, surficial mapping)
- Lithium opportunity identified within the property, along the Lac de Gras winter road alignment
- GSC mapping in the 1940’s identified pegmatites with “10% of the lithium silicate mineral spodumene”
- Confirmed July 2023

Geological Survey of Canada map 977A.

Li (spodumene) pegmatite showings within LDG Project claims.



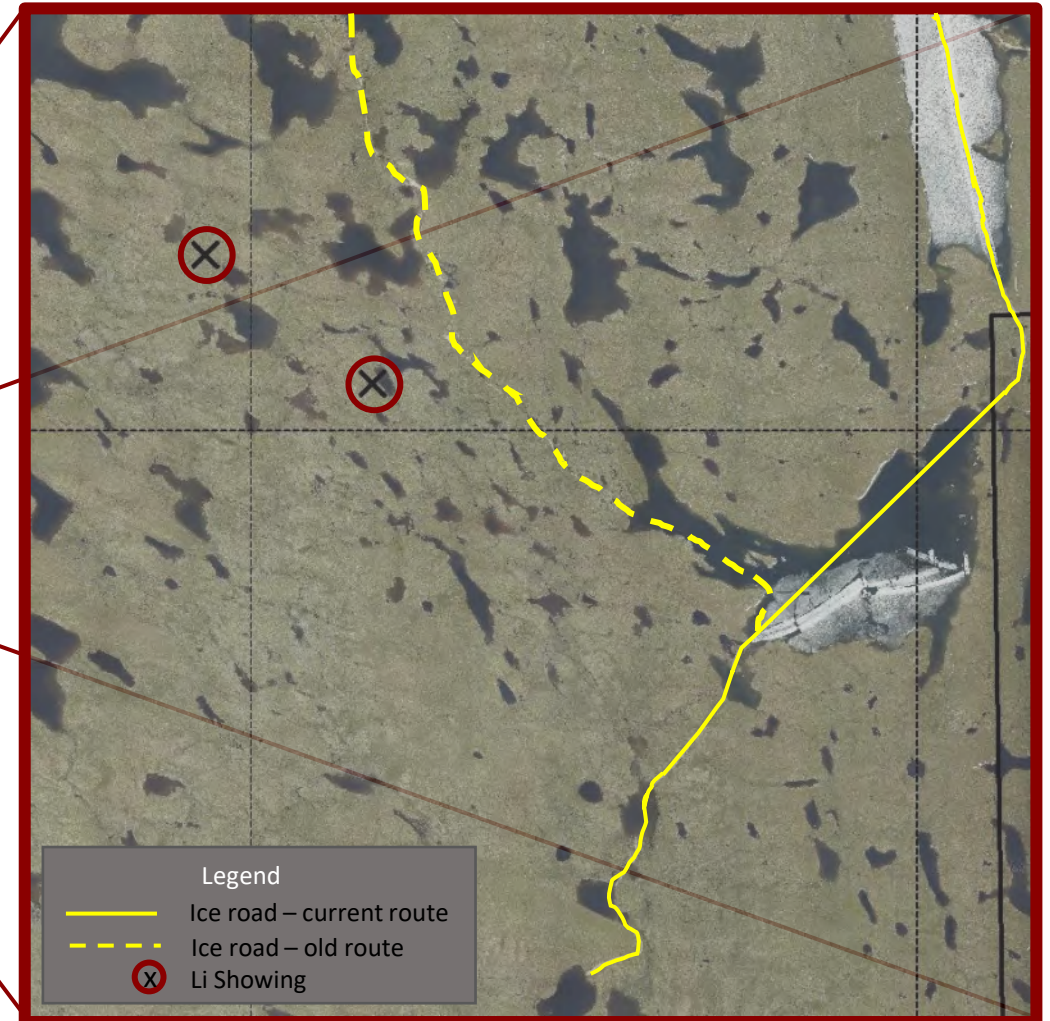
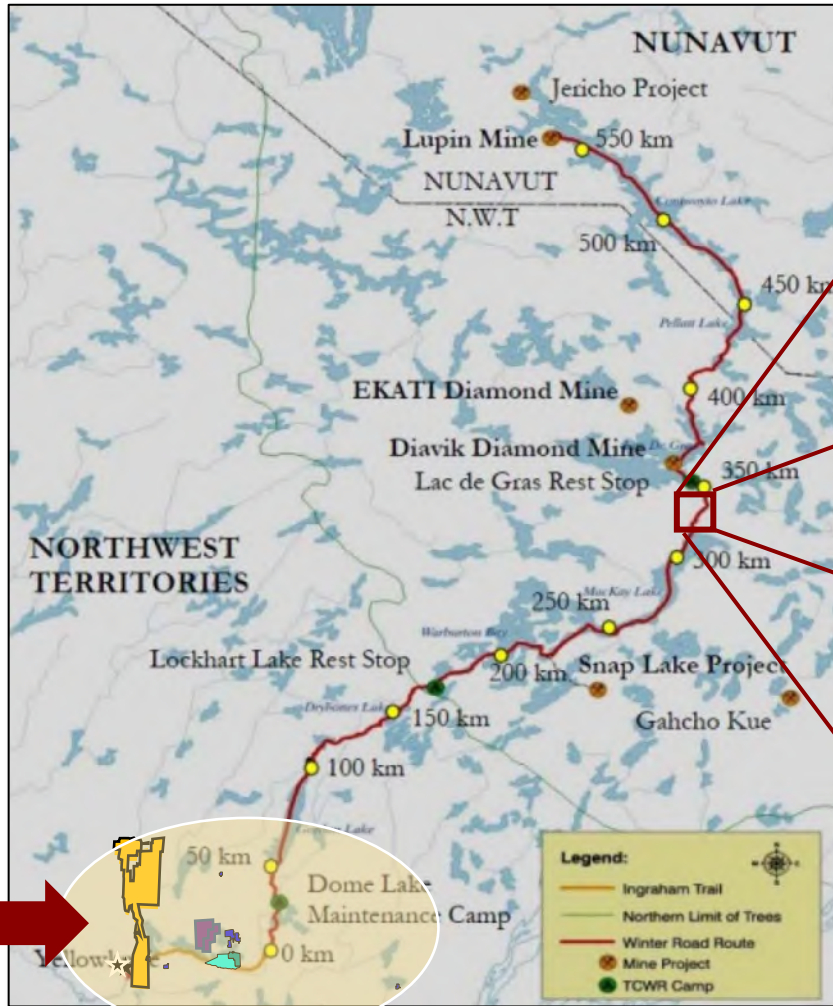
Drilling planned September 2023.

LDG Li SHOWINGS - PROXIMITY TO ICE ROAD

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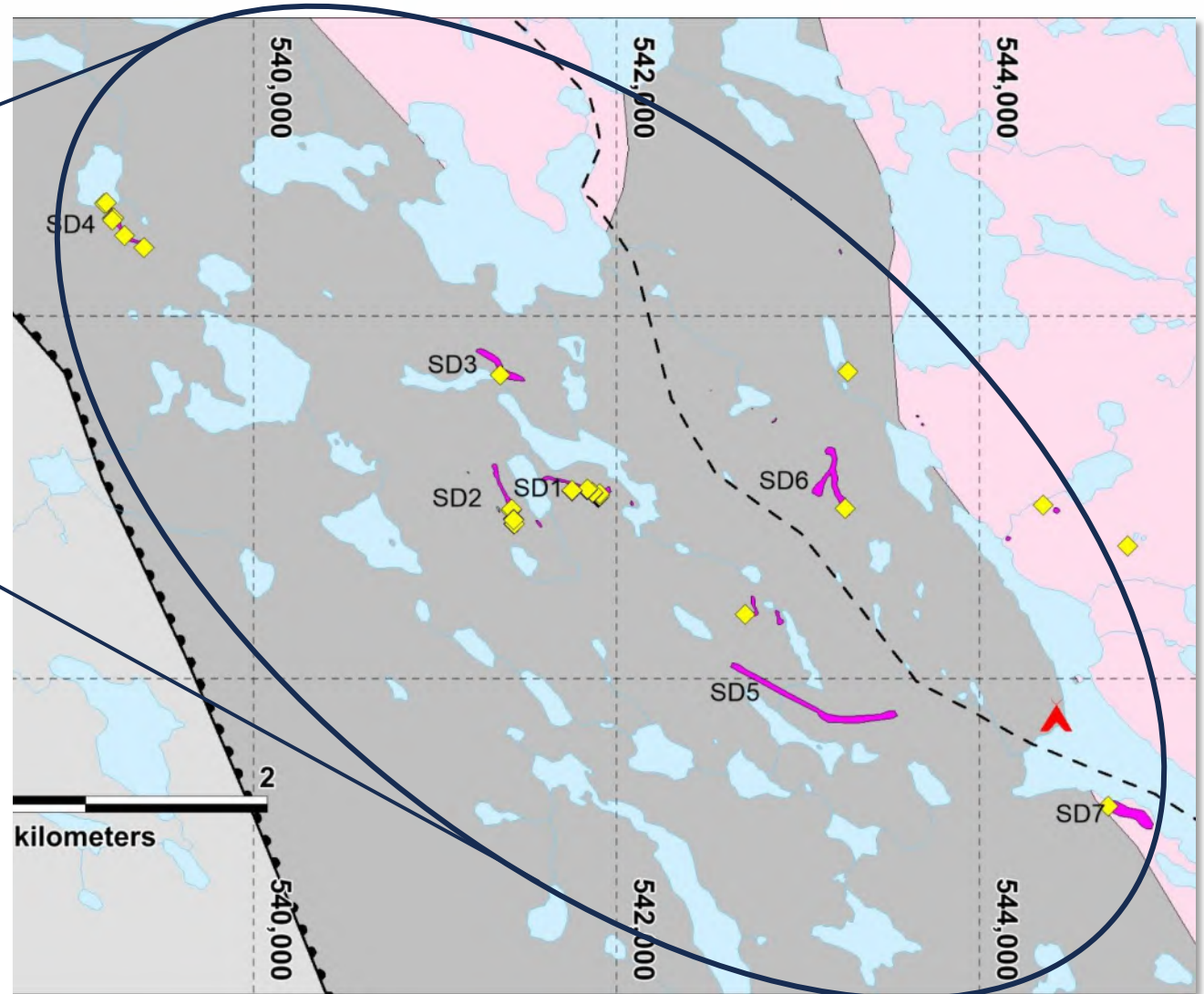
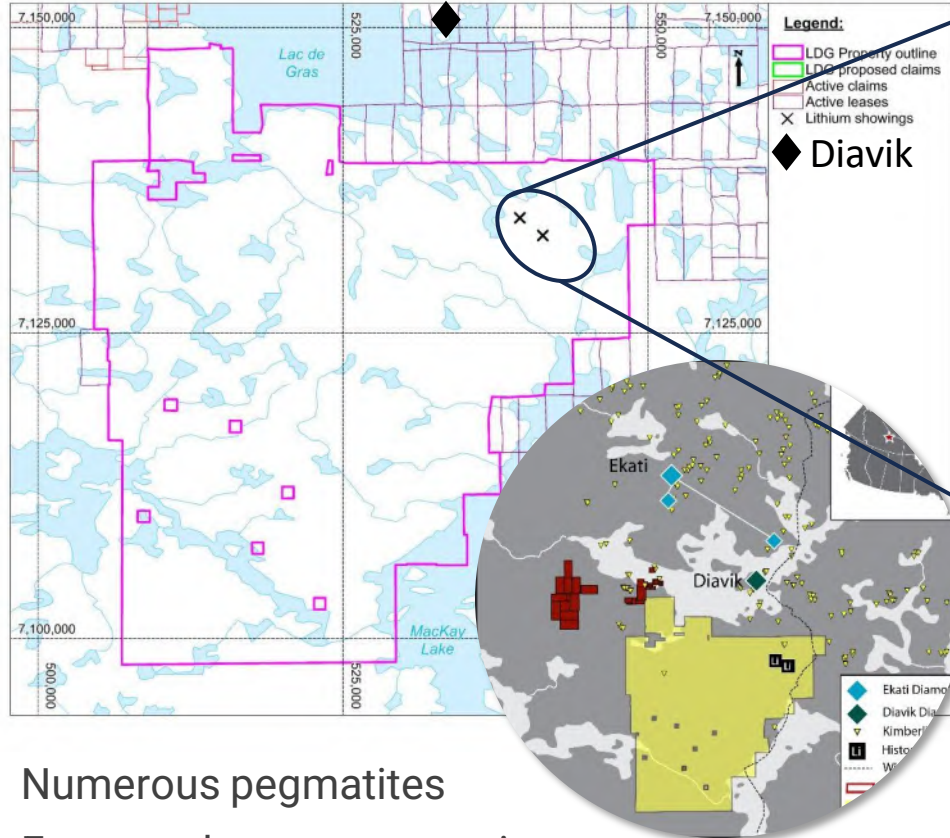
Ice road connecting Yellowknife to the N.W.T.'s three operating diamond mines. (Tibbitt to Contwoyto Winter Road Joint Venture)

Yellowknife pegmatite province lithium interests



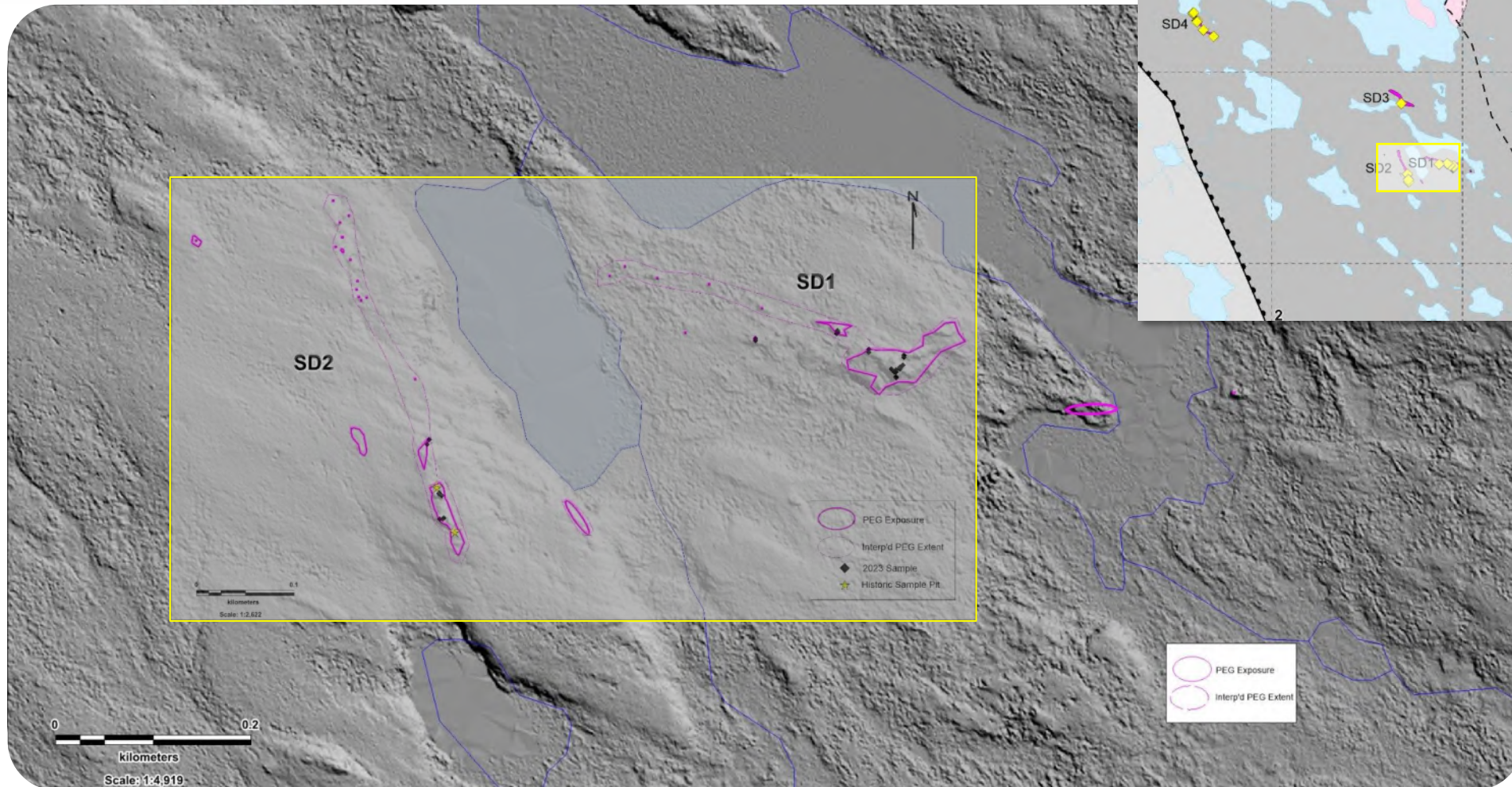
LDG SPODUMENE PEGMATITES – GEOLOGICAL SETTING

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◆ 2023 field sample

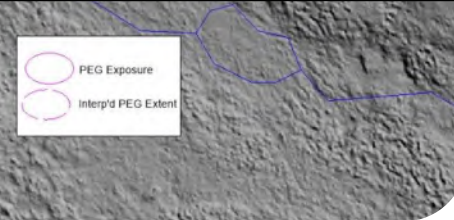
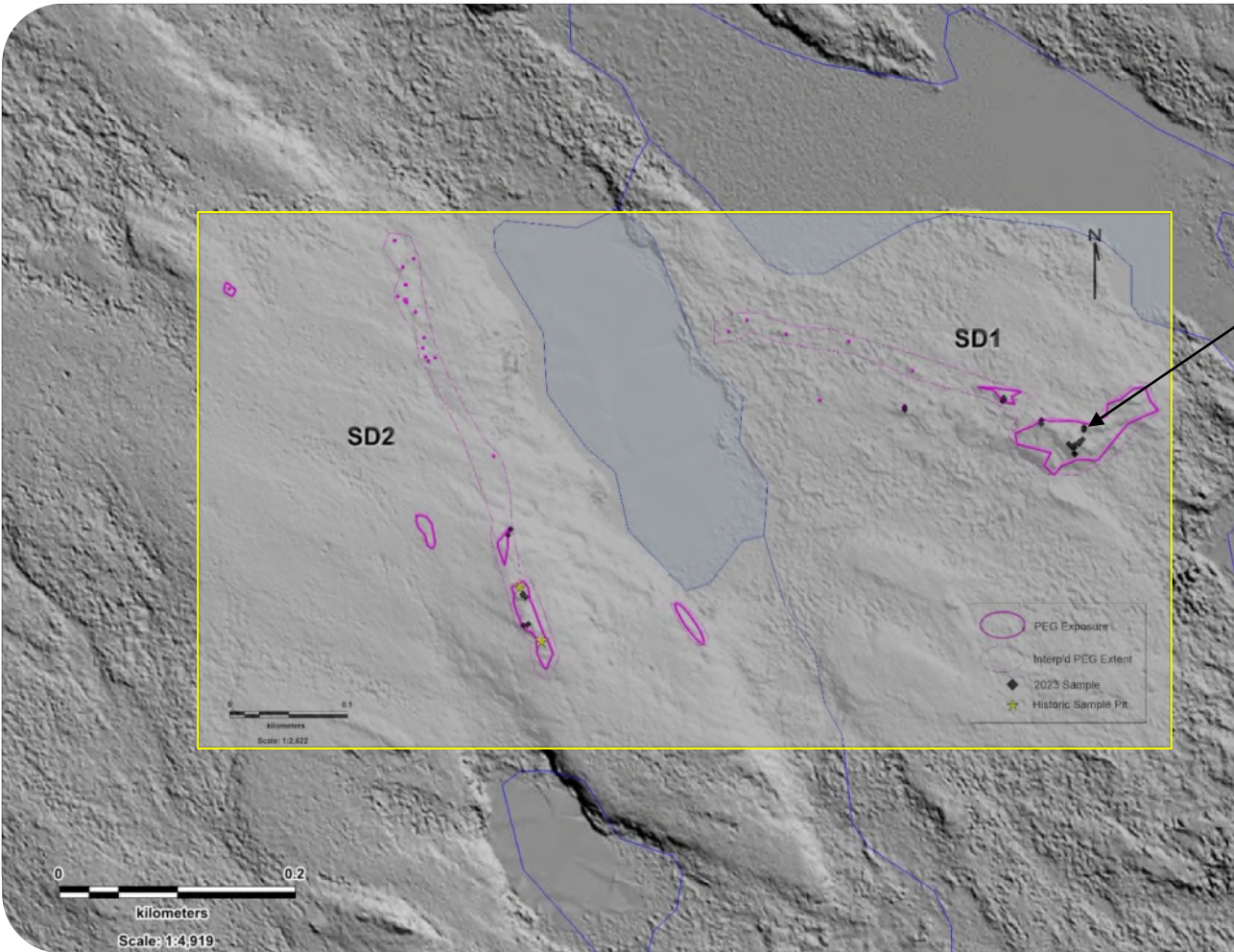
- Numerous pegmatites
- Four spodumene pegmatites (SD1 – SD4)
- Within metamorphosed turbidites (Yellowknife Supergroup) adjacent to fertile 2-mica granite.





SD1 PEGMATITE – LOOKING EAST

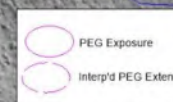
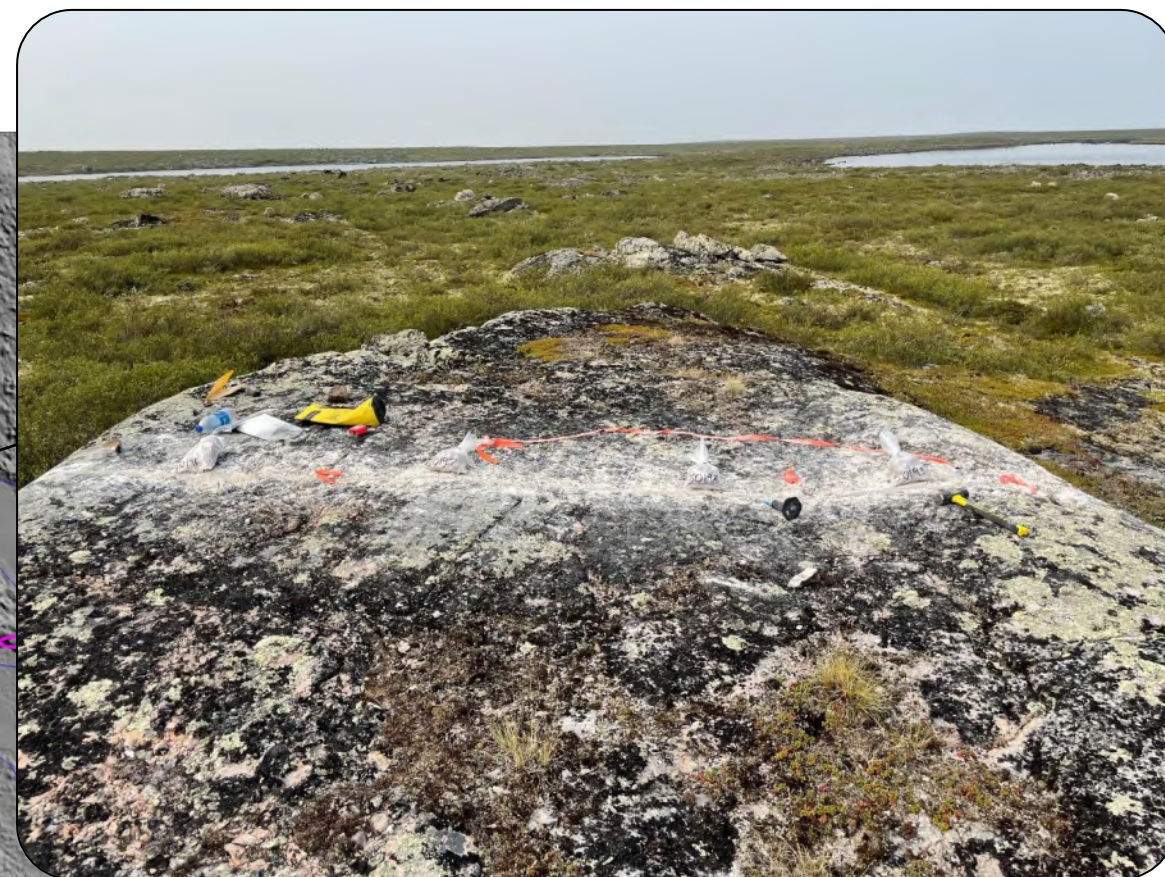
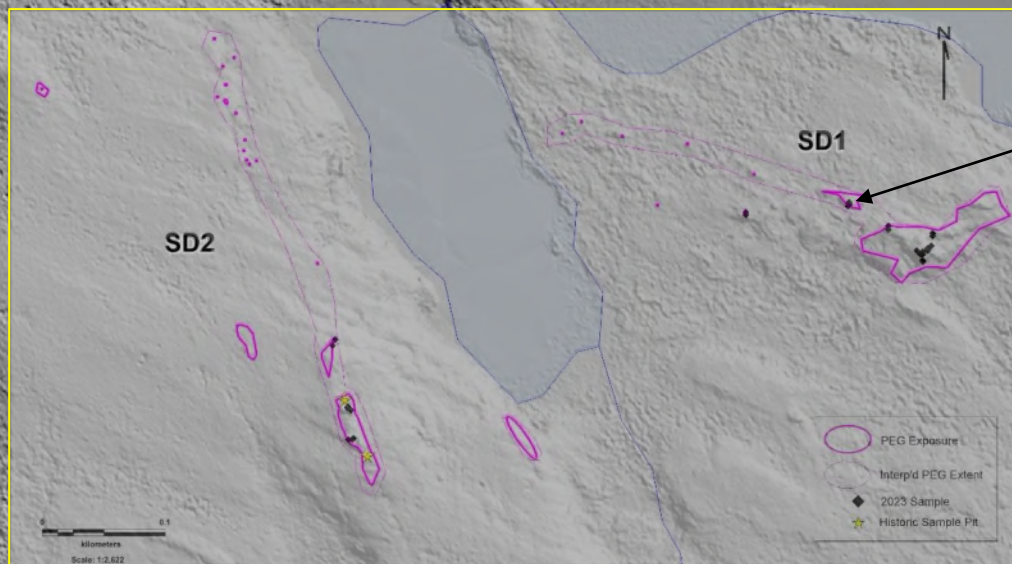
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SD1 PEGMATITE – LOOKING EAST

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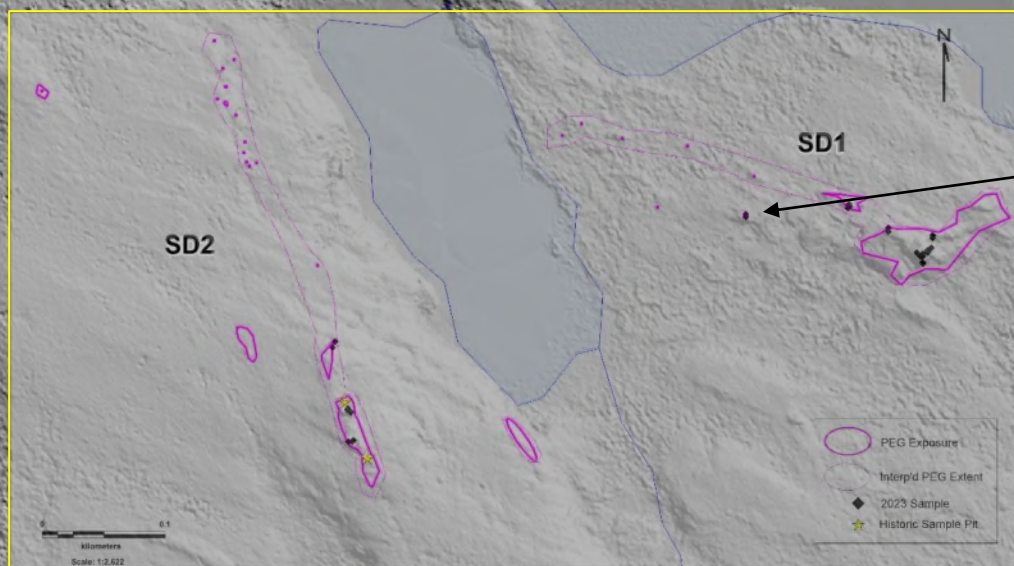


0 0.2
Kilometers
Scale: 1:4,919



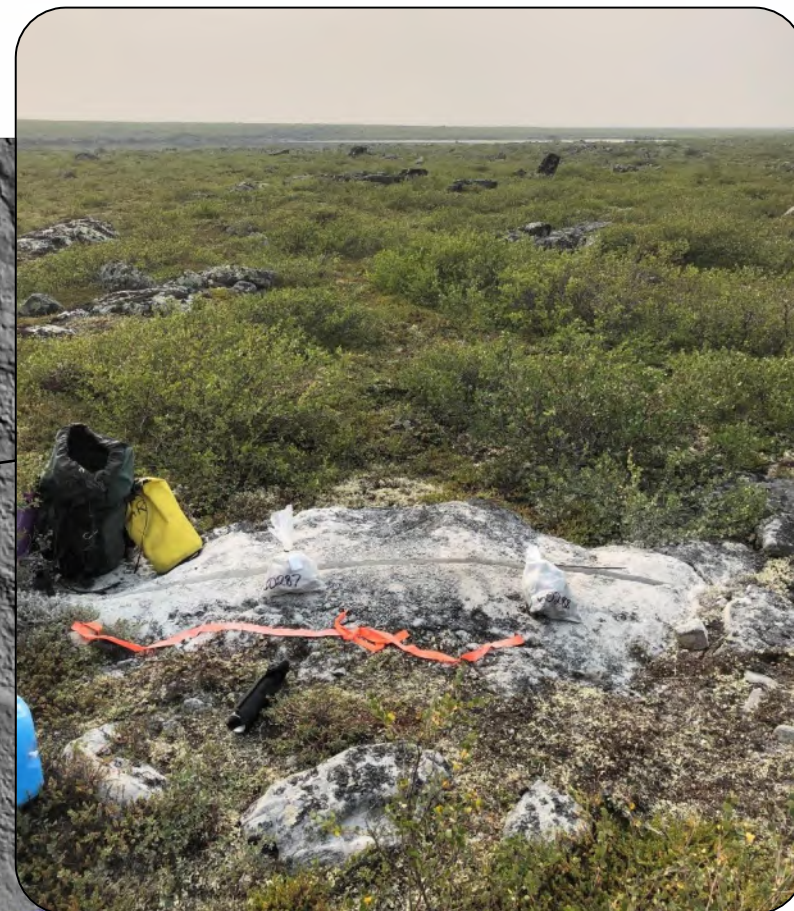
SD1 PEGMATITE – LOOKING EAST

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0 0.2
kilometers
Scale: 1:4,919

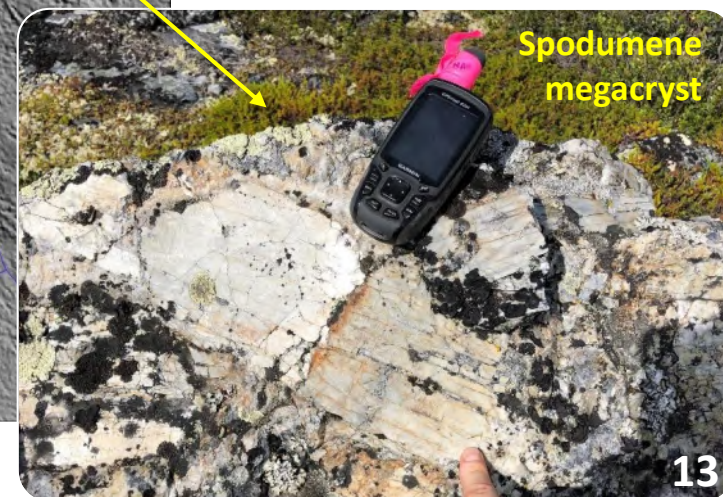
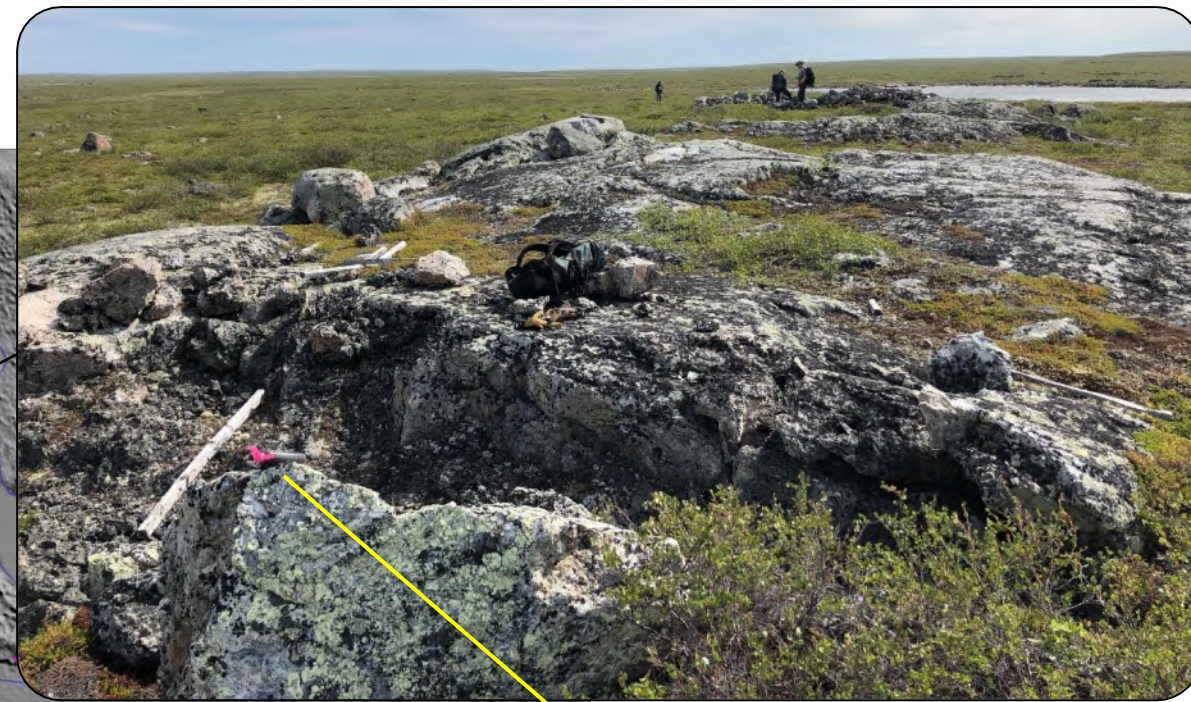
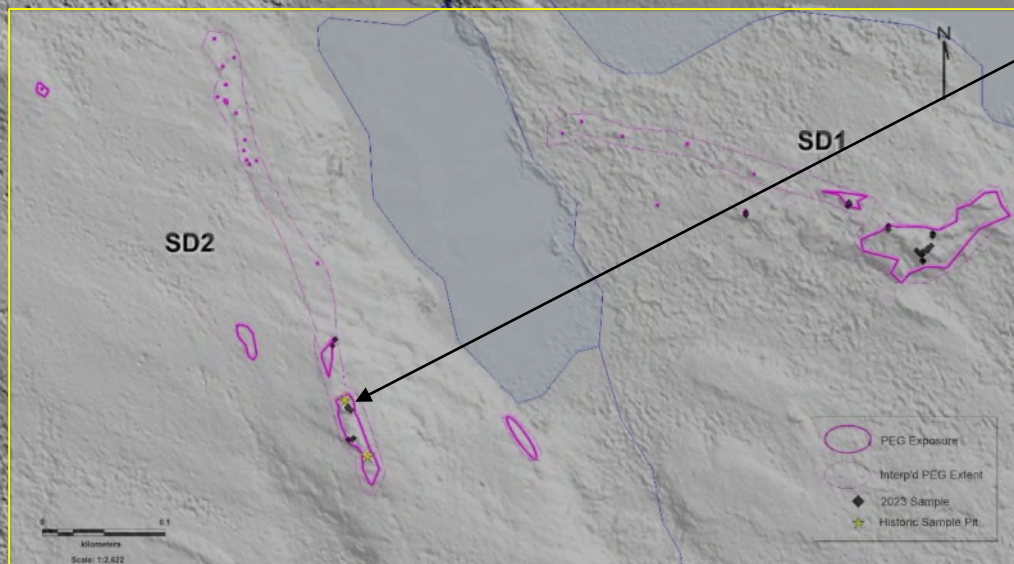
PEG Exposure
Interp'd PEG Extent





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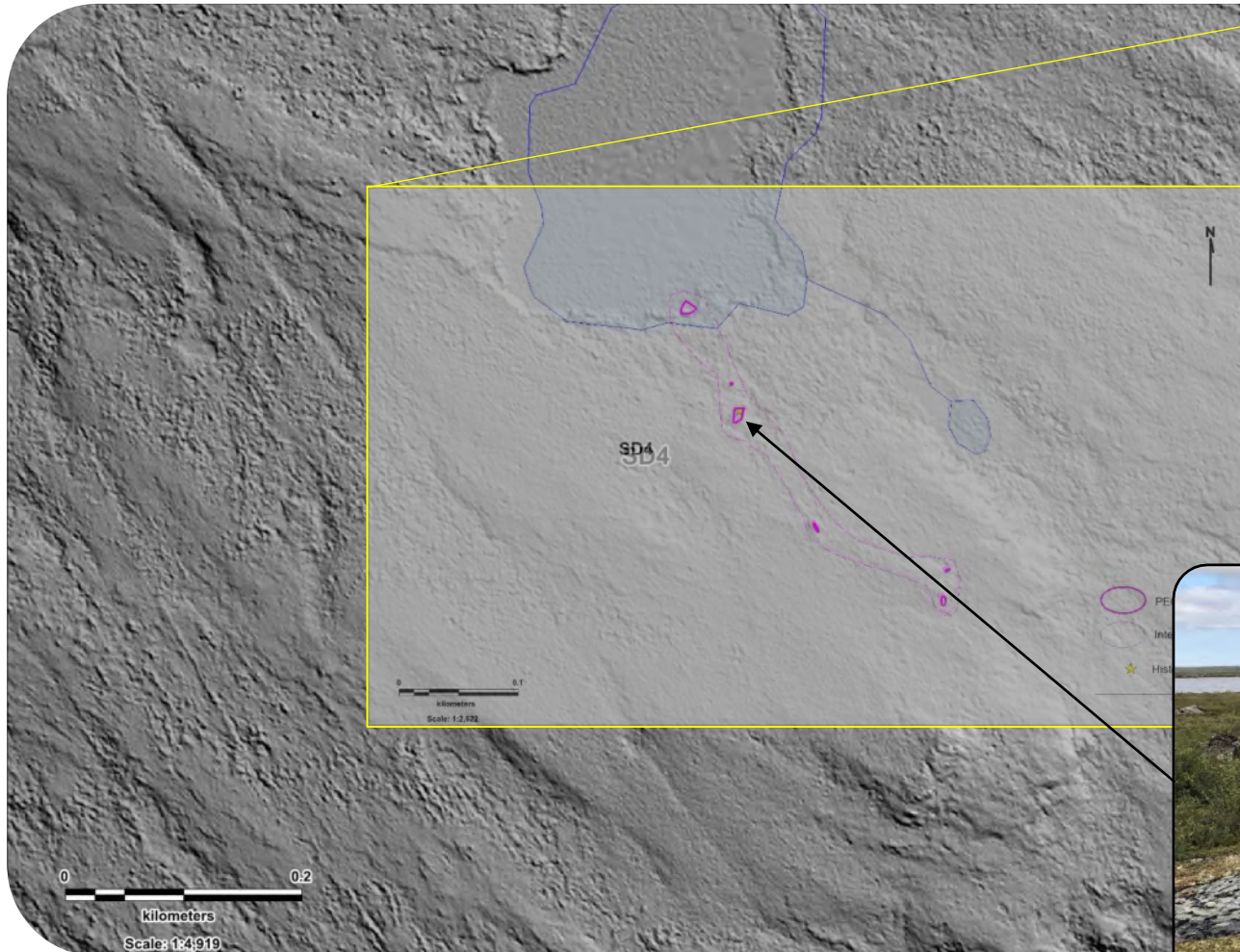
SD2 PEGMATITE – LOOKING SOUTH

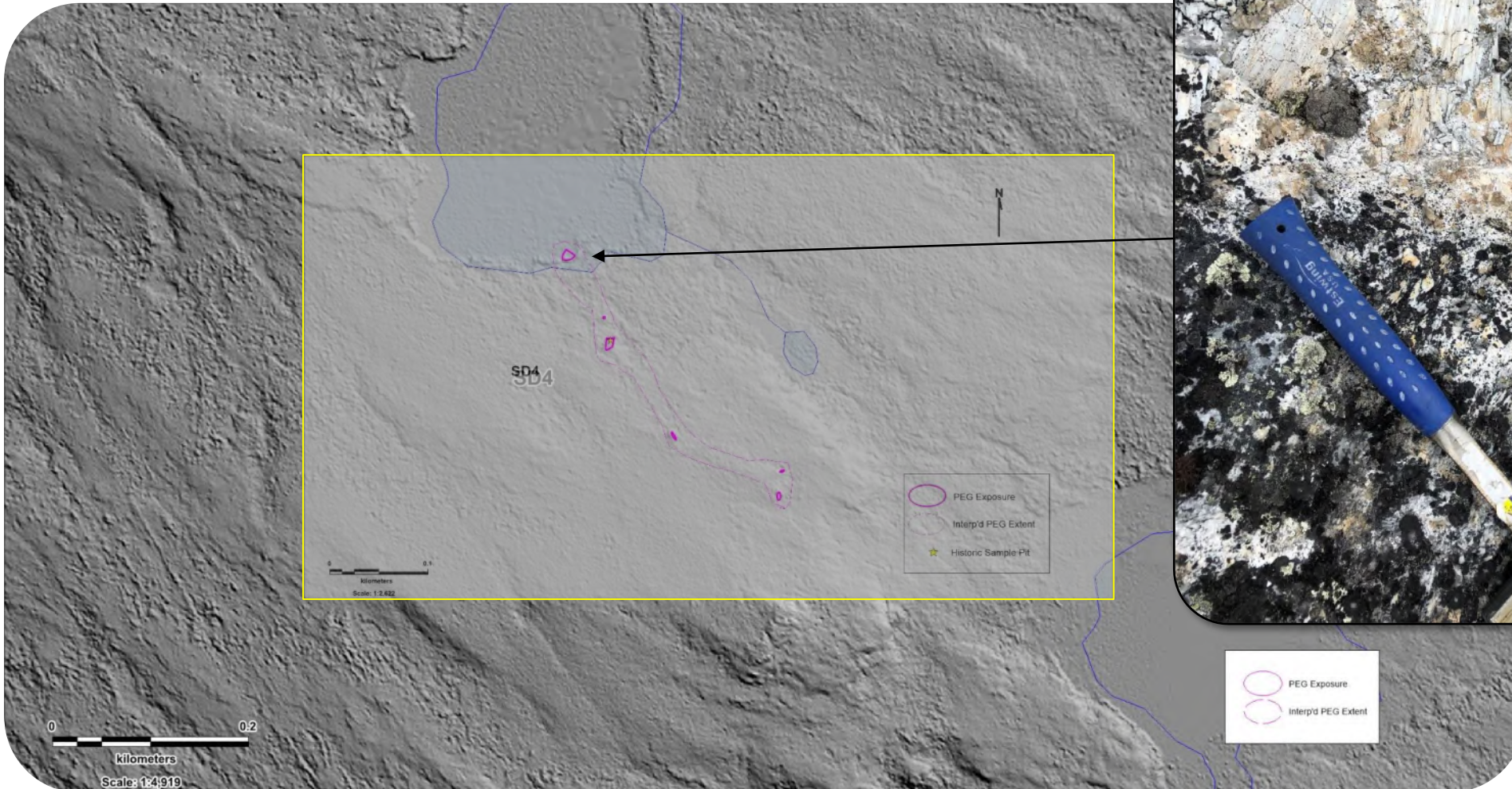




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SD4 PEGMATITE

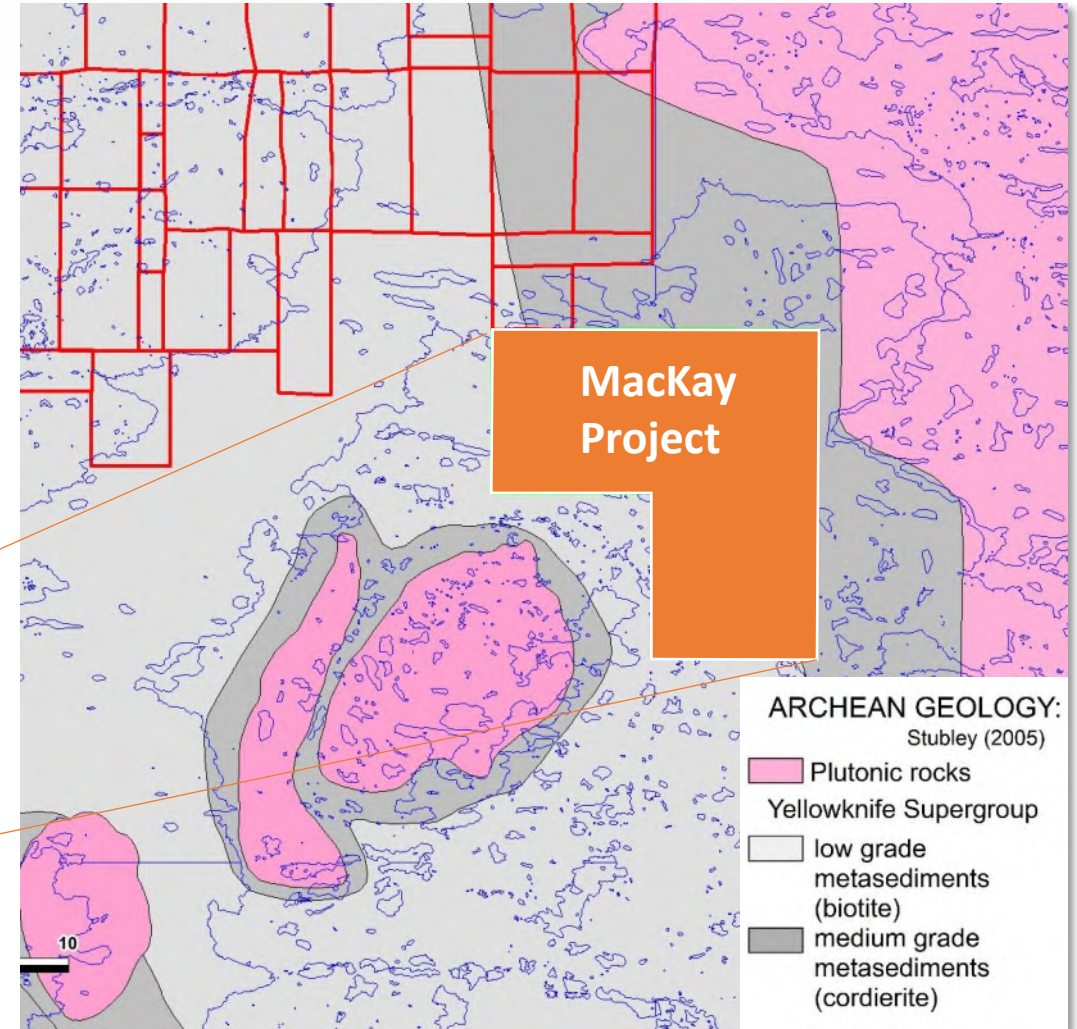
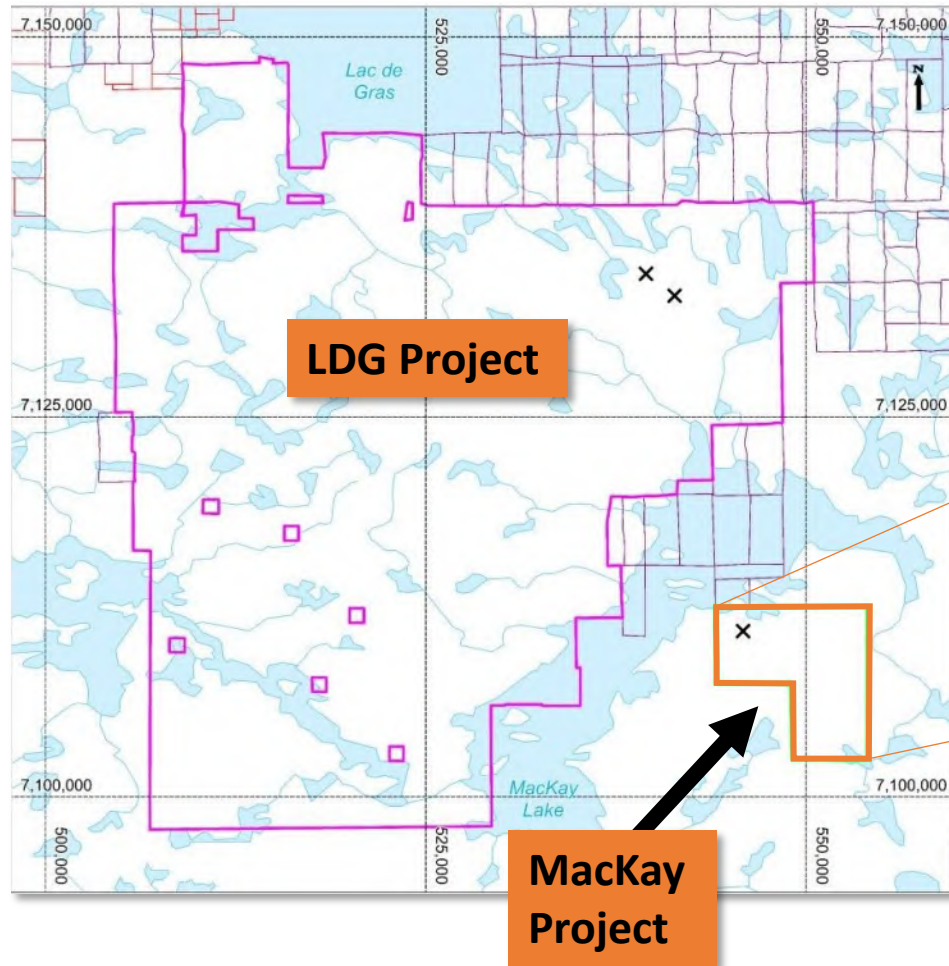




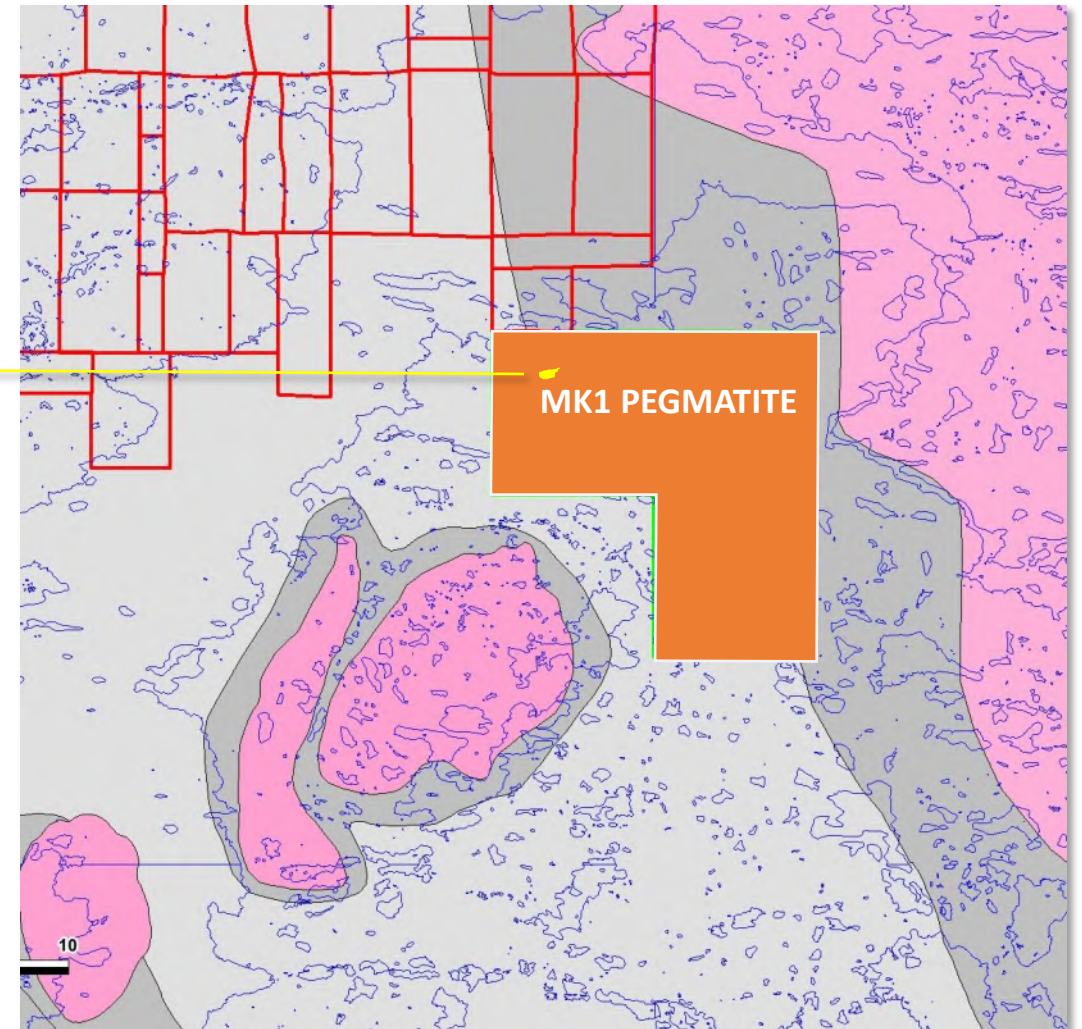
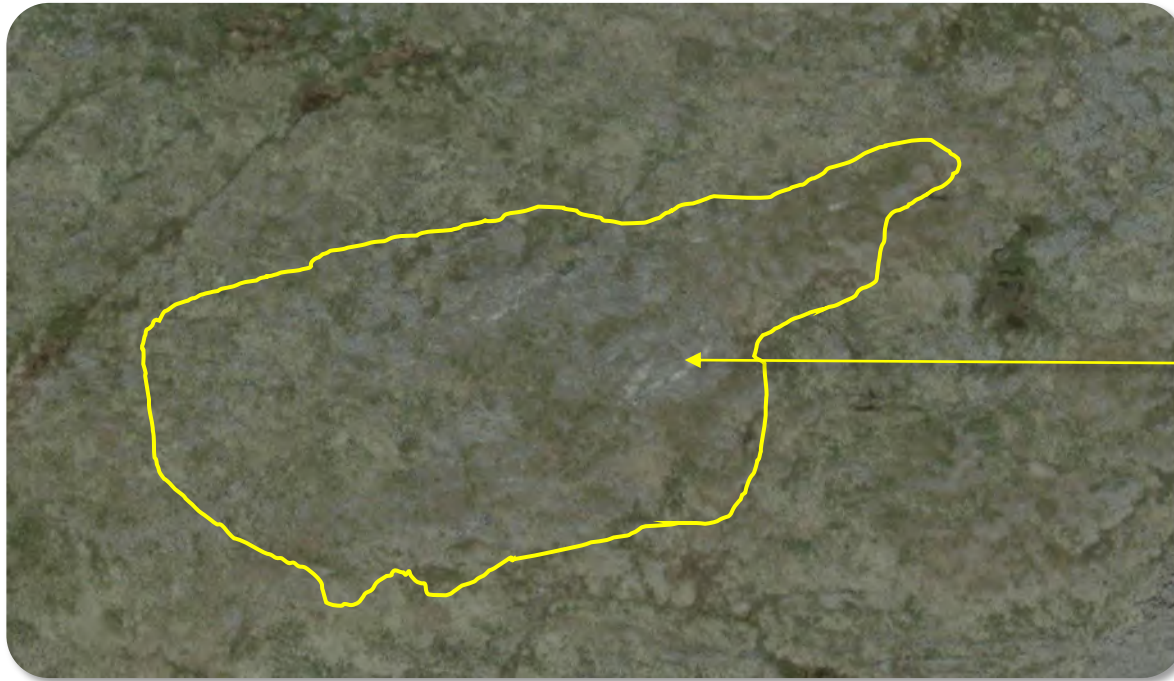


MACKAY LITHIUM PROJECT – NAR 100%

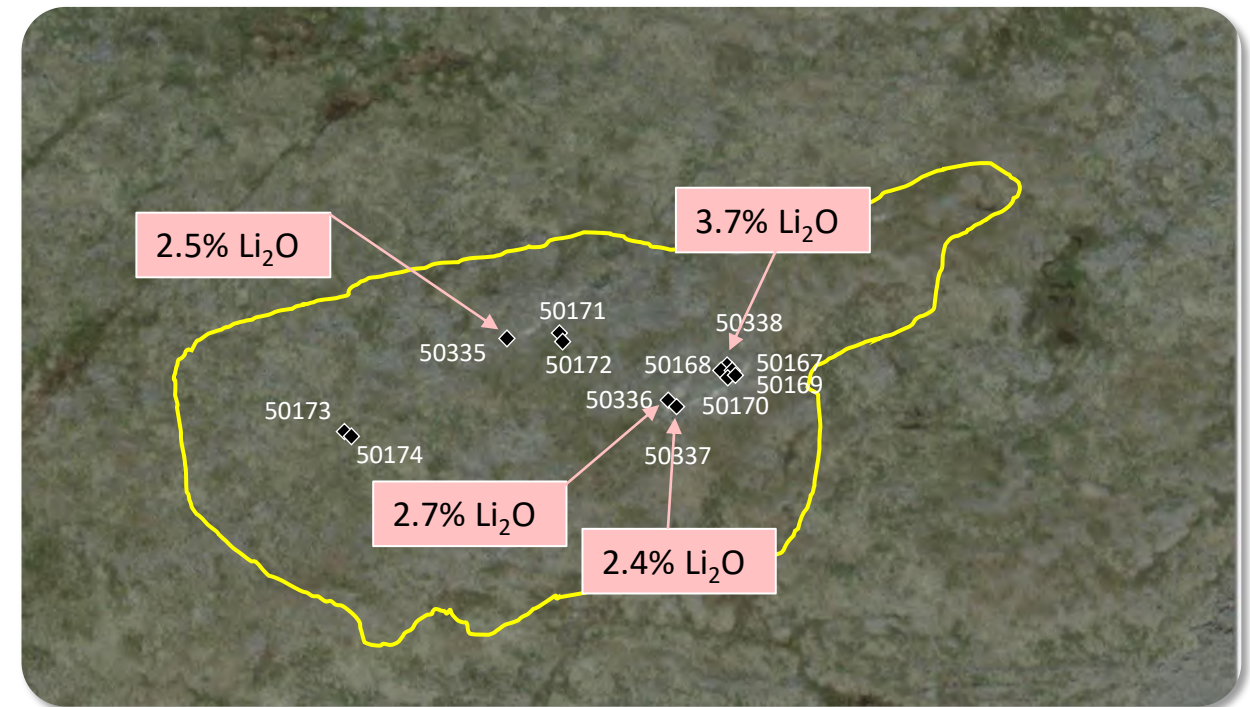
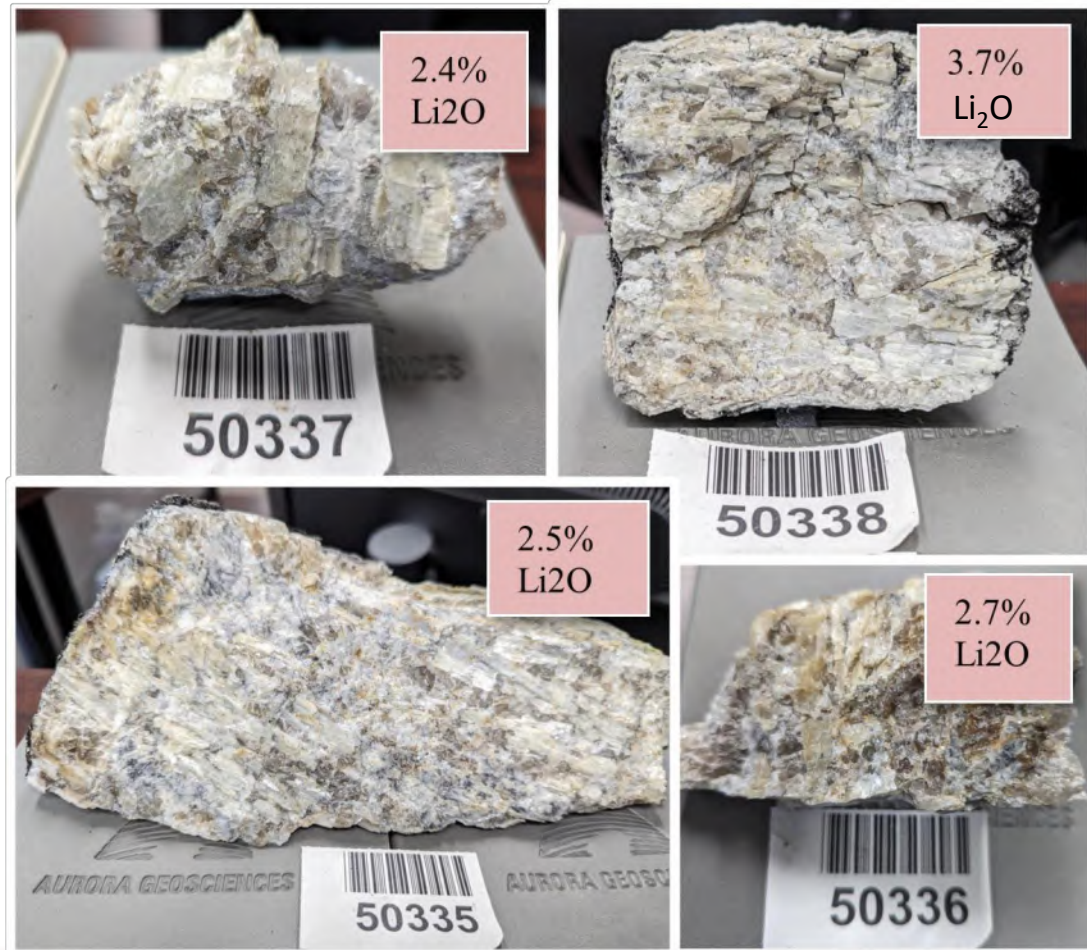
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Applying for LDG Land Use Permit Amendment to include this showing.
Potential for late September drilling program.



- Target also identified from 1940's GSC mapping
- MK1 spodumene pegmatite discovered June 2023
- Channel sampling and mapping July 2023
- Irregular sub-parallel pegmatite dykes from 0.5 to >10m wide; combined width of ~150m; interpreted strike of >400m

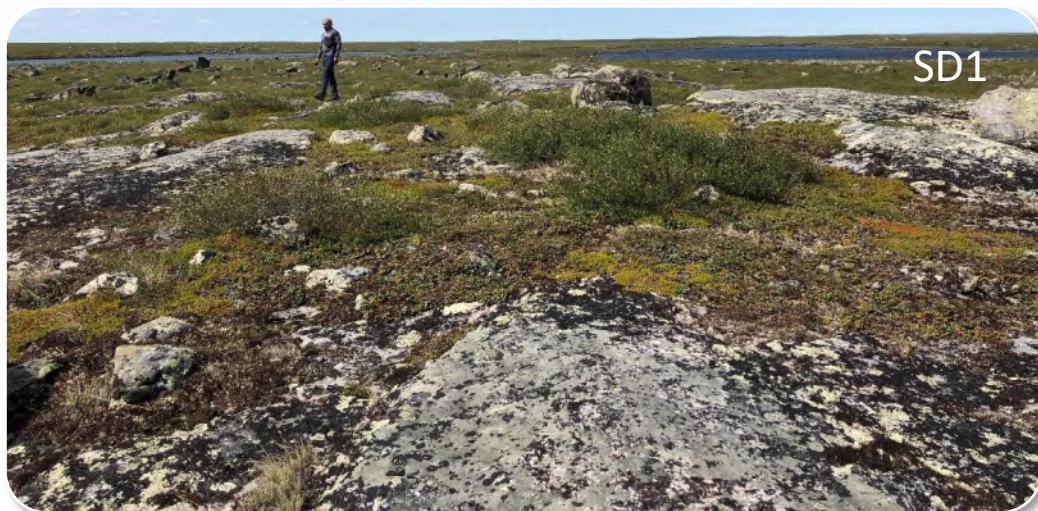


- June 2023 grab samples, ~0.5 – 2 kg, collected over 120m strike extent
- July 2023 channel samples pending

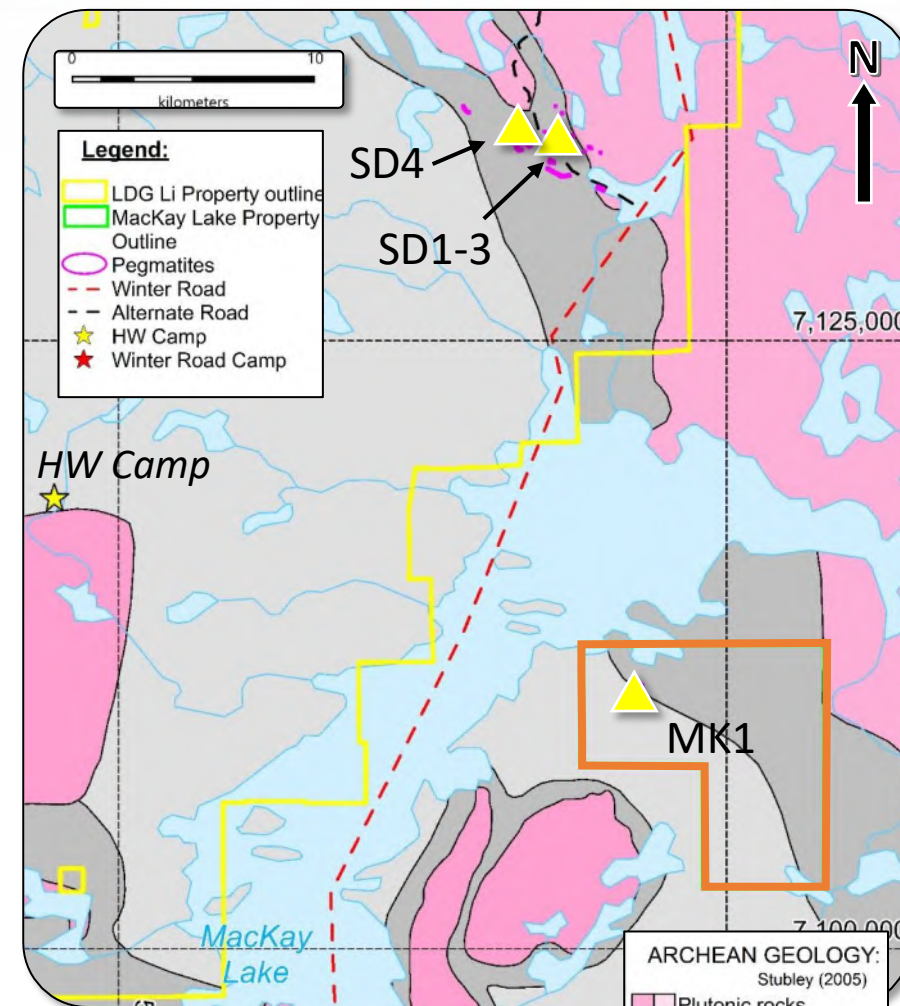


LDG & MACKAY LITHIUM PROJECTS

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















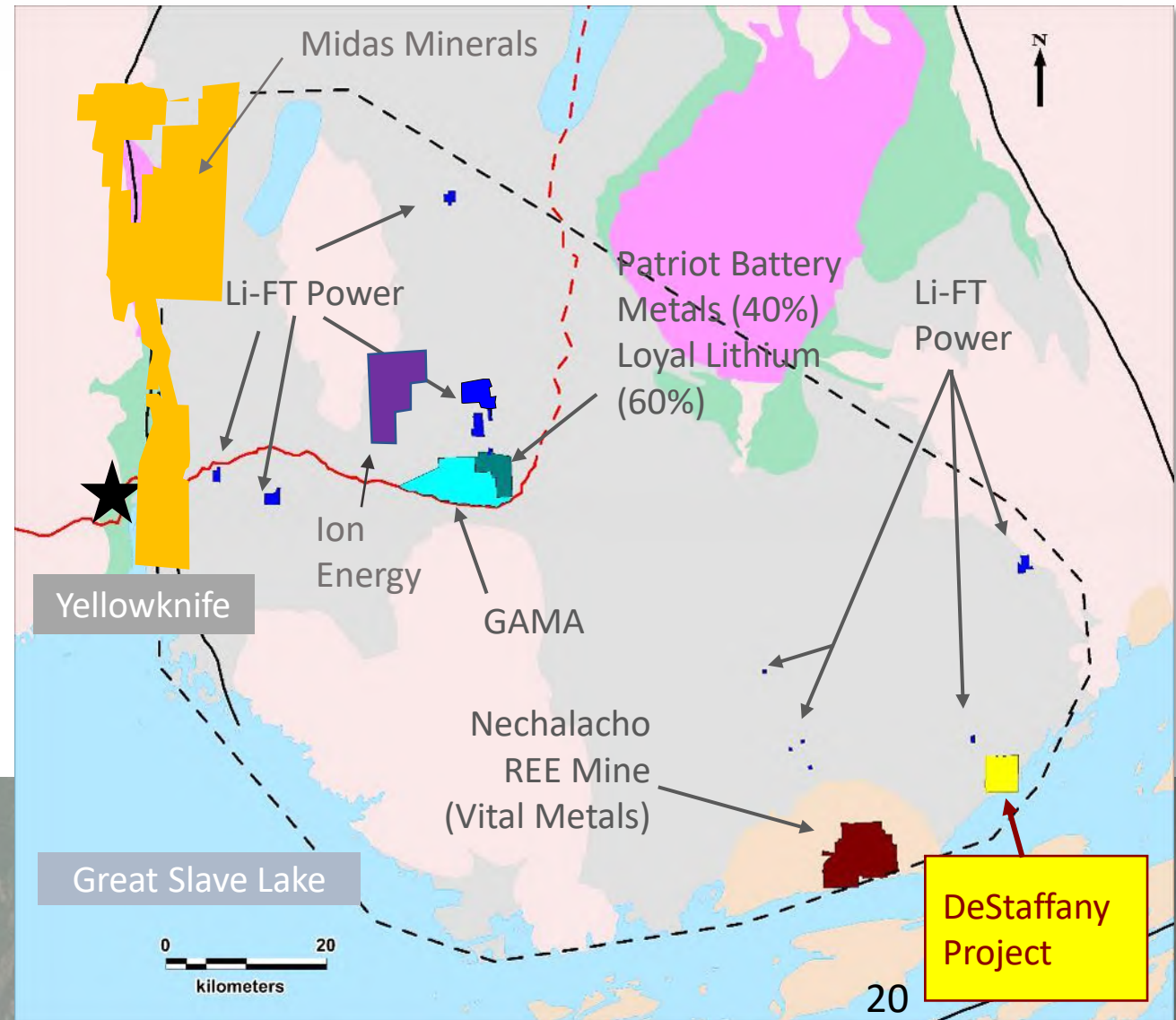
- Multiple spodumene pegmatites located in low-relief area
- Locally >50m width; >400m interpreted strike; plenty of room to expand
- High Li_2O grades confirmed at MK1 (assays pending for SD1-SD4)
- Potential for significant discovery next to winter road infrastructure; within 20km of Diavik
- Drilling planned for September 2023



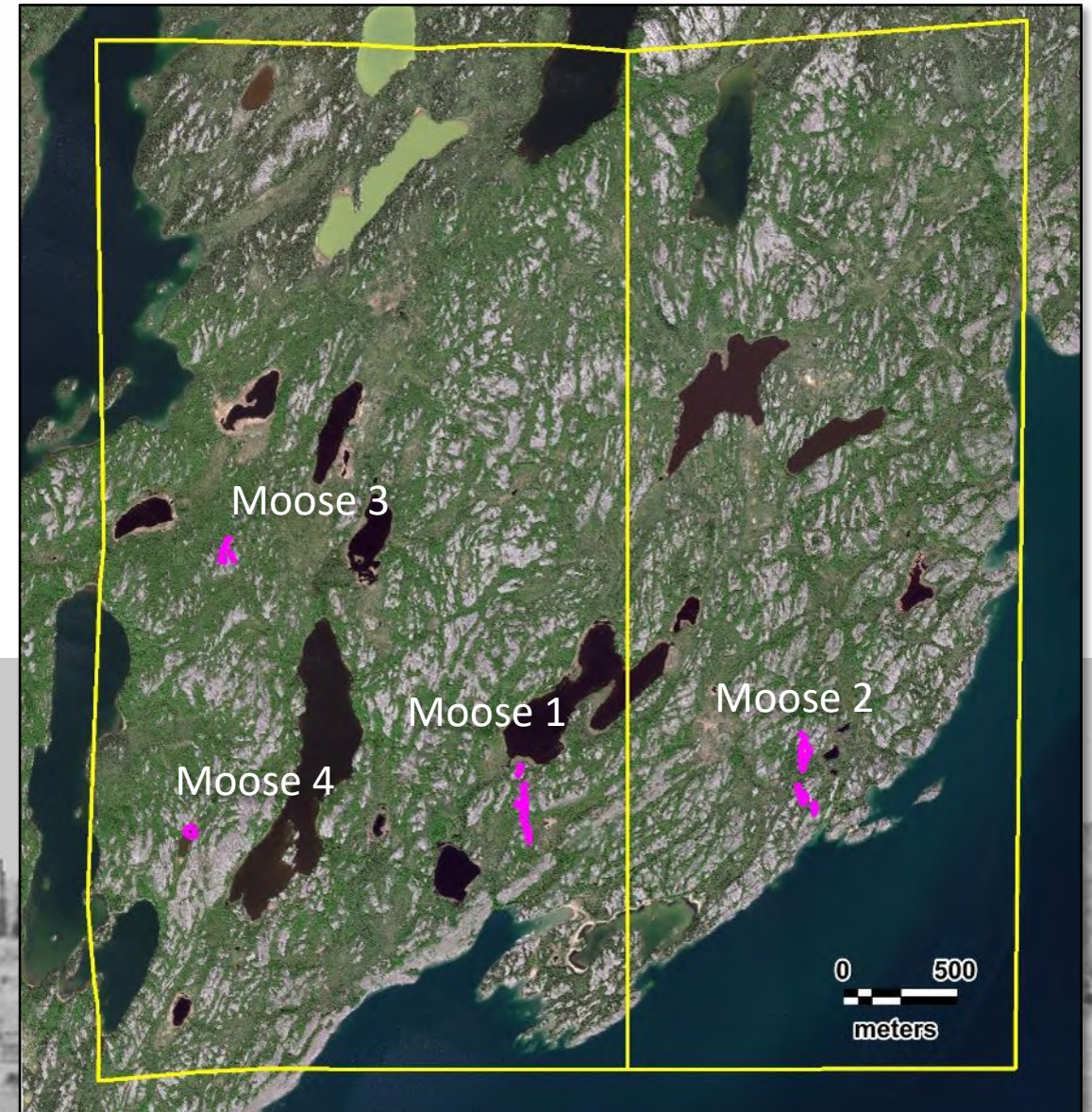
- Yellowknife Pegmatite Province (YKPP)
- Same setting as Li-FT Power's Yellowknife Lithium Project; Other players include Patriot Battery Metals, Loyal Lithium, Midas Minerals, and Gama Explorations
- NAR team has past Li, Ta and REE experience in the region
- 115km East of Yellowknife
- NAR has confirmed four spodumene pegmatites

LEGEND:

 North Arrow - DeStaffany	 PROTEROZOIC
 Li-FT Power	 Cover and intrusive rocks
 Gama Explorations	 ARCHEAN
 PMET / Youssa	 Plutonic rocks / partly >2.8Ga
 Nechalacho REE Mine (Vital Metals)	 Metasediments / migmatites
 Road	 Volcanic and related intrusions
 Winter_Road	 Fault
 Yellowknife Pegmatite Province	



- Two spodumene pegmatites: Moose 1 and Moose 2
- >350m strike length; Moose 2 up to 30m wide
- Within several hundred metres of Great Slave Lake
- Moose 2 was test mined for Ta, Nb, Sn in the 1940's & 50's
- **Never evaluated for lithium**
- North Arrow identified Moose 3 and Moose 4 in June 2023



DeStaffany Mine from Great Slave Lake, 1955



North Arrow

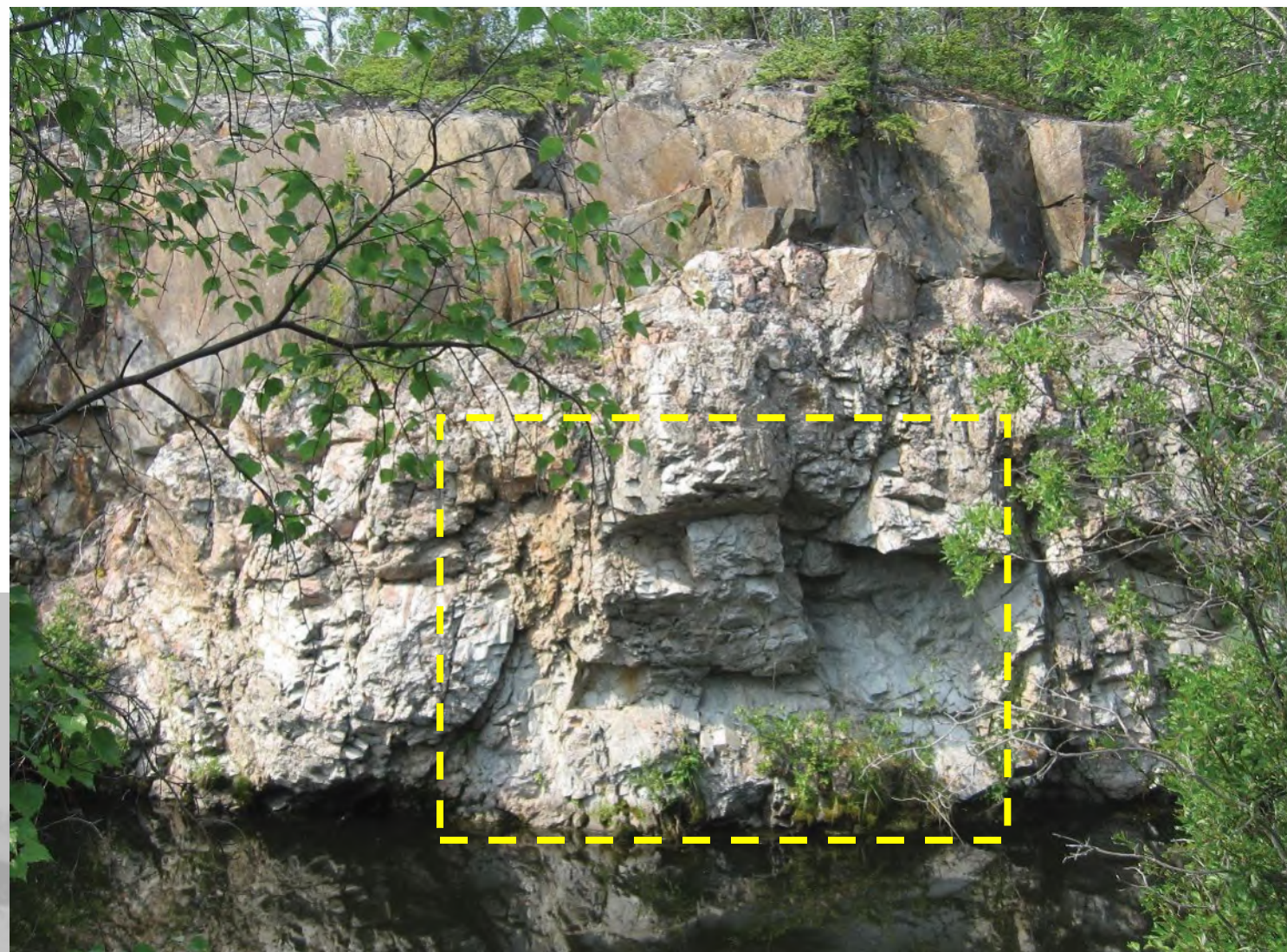
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MOOSE 2 PEGMATITE – Historic Mining

- Historic mining focused on recovering Ta and Nb
- Megacrystic (up to 1m) spodumene in pit wall
- Spodumene not targeted by past mining
- Pegmatite dips 50-80 degrees to the west (away from view on right)



DeStaffany Mill abutments - Great Slave Lake in background



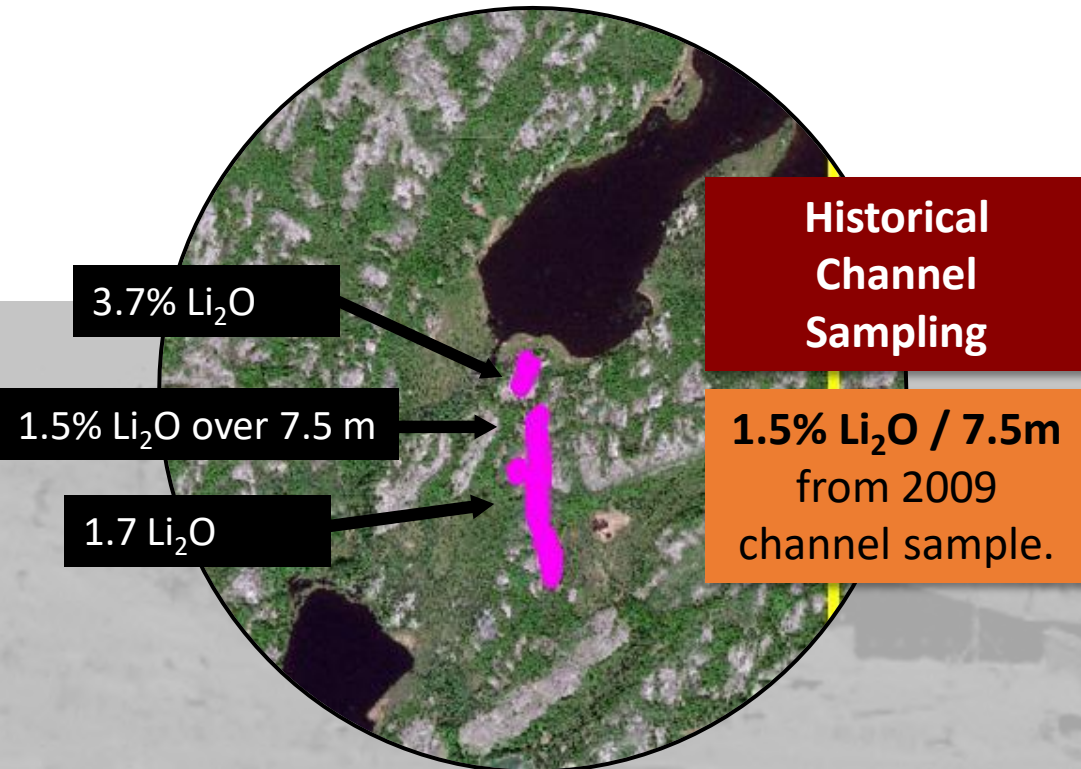
Megacrystic spodumene in pit wall (Approximate wall height: 8m)

- Historic mining focused on recovering Ta and Nb
- Megacrystic (up to 1m) spodumene in pit wall
- Spodumene not targeted by past mining
- Pegmatite dips 50-80 degrees to the west (away from view on right)



SP = SPODUMENE (Field of view height ~4m)

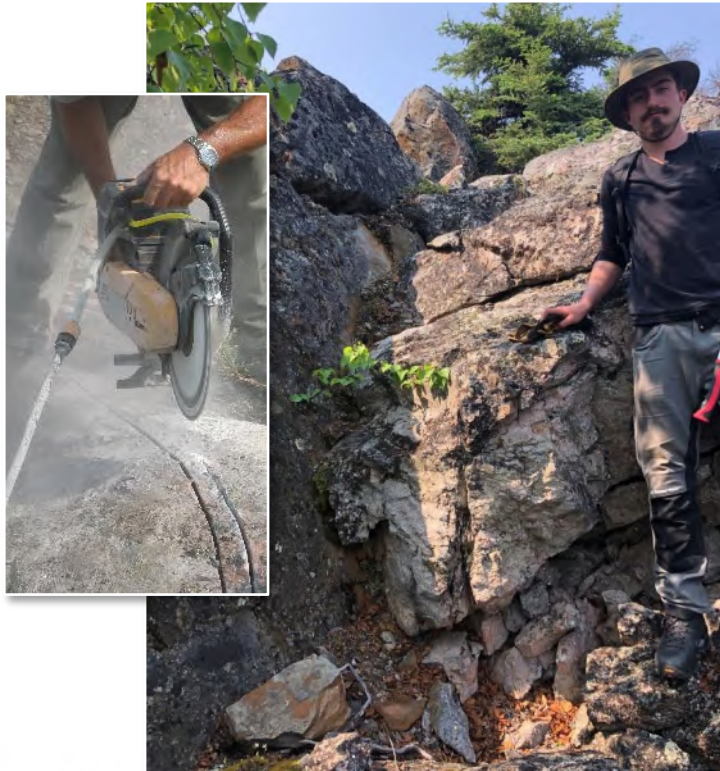
- Limited past evaluation
- 14 channel samples in June 2023





DESTAFFANY PROJECT – 2023/24 field work

Can the Moose pegmatites produce a marketable spodumene concentrate that could be shipped south by barge and rail?



Phase 1 – Completed June 2023

- Mapping / channel sampling
- Moose 3 and Moose 4 discovered
- Channel, prospecting, and mineral characterization samples collected

Phase 2 – Spring / summer 2024

- Delineation drilling to define strike & depth extent of spodumene zones

**Hay River
on Great
Slave Lake**



Companies Exploring the
Yellowknife Pegmatite
Province

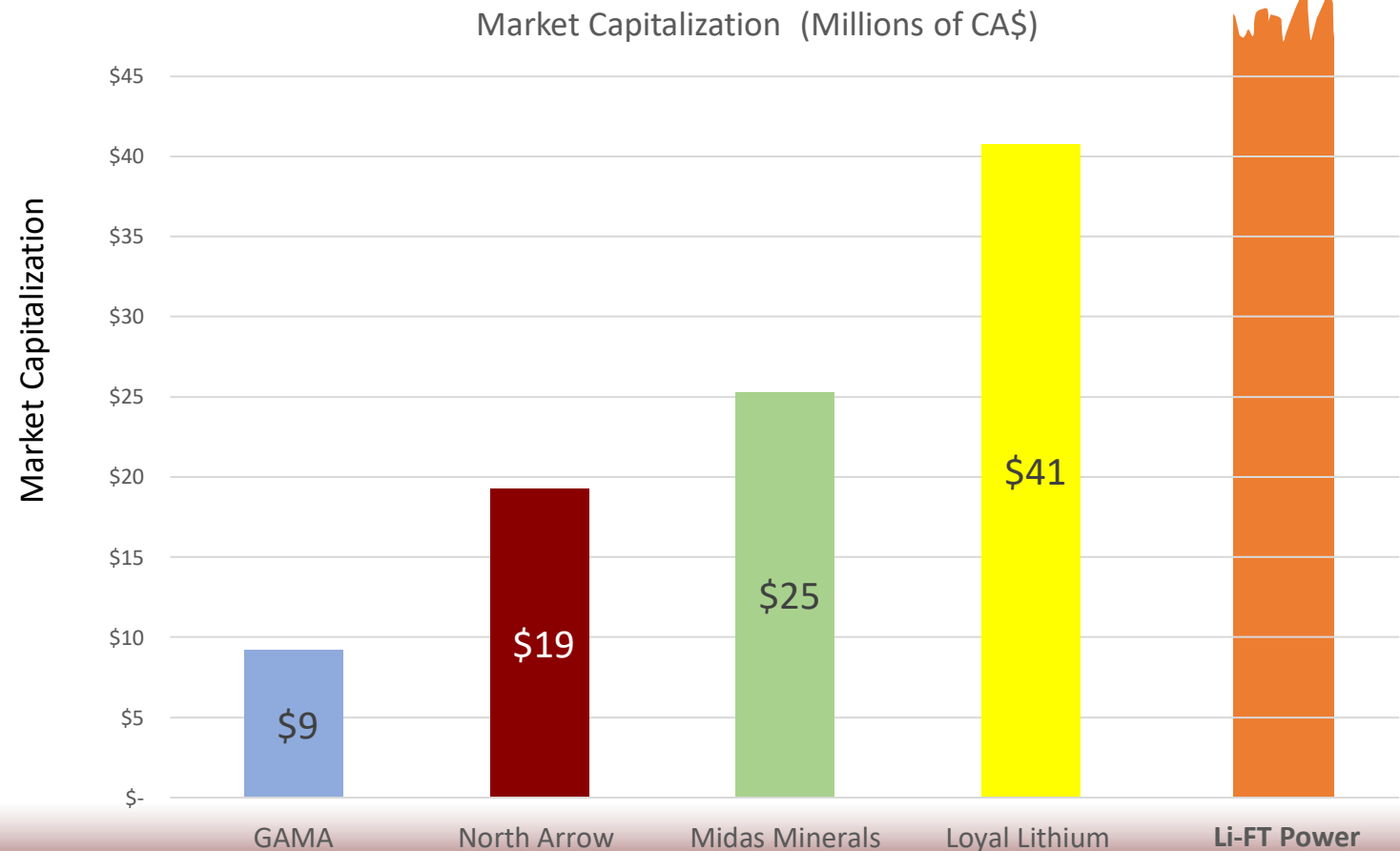
Company	Interest Earned	Acquisition Cost
Li-FT	100%	\$142,920,000
GAMA	100%	\$2,900,000 ¹
Loyal Lithium	60%	\$4,575,000
Midas Minerals	80%	\$11,500,000 ²
North Arrow	100%	\$60,000 ³

¹Includes \$1.5M in exploration expenditures

²Includes \$10M in exploration expenditures

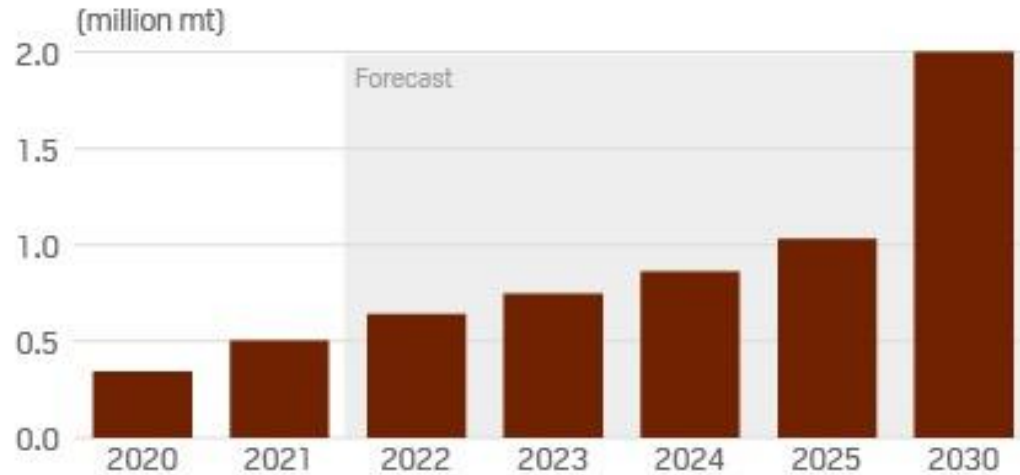
³Three Spodumene pegmatite projects

Market data as of August 10, 2023

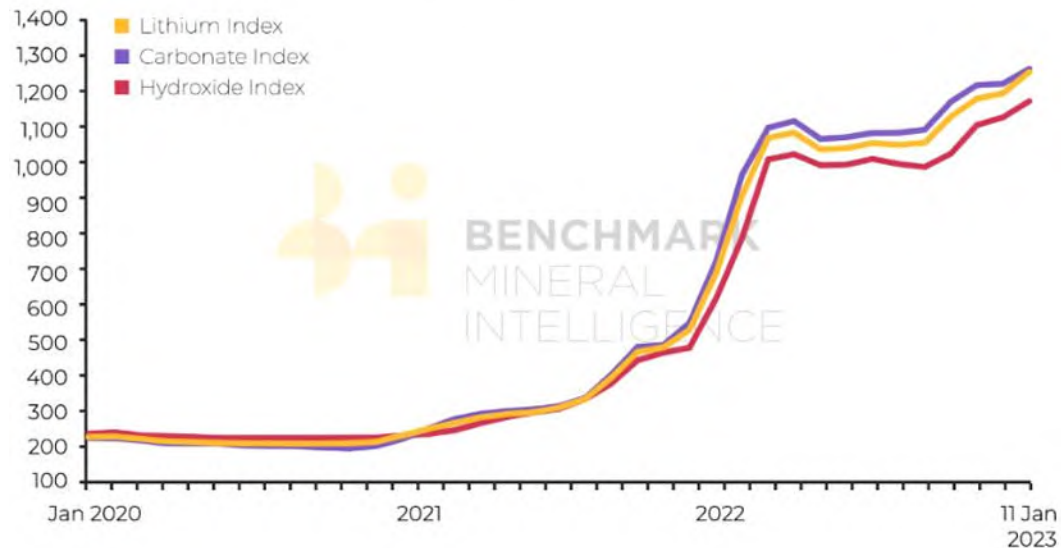


PREDICTED LITHIUM DEFICIT = interest in exploration

LITHIUM DEMAND FORECAST

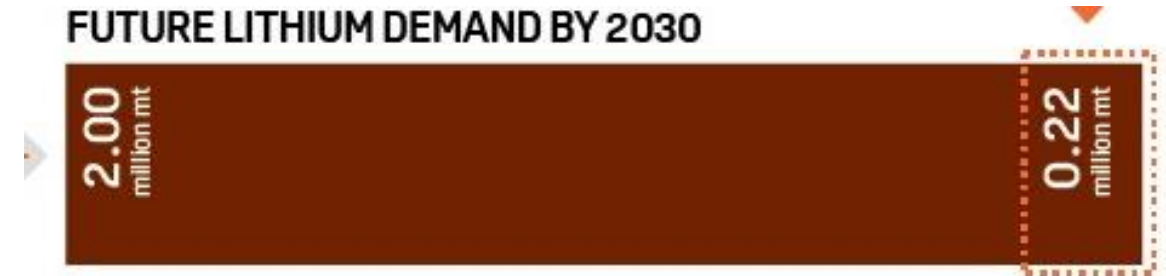


Benchmark Lithium Price Index



If all planned mines reach production by 2030, there will still be a >10% Lithium supply deficit

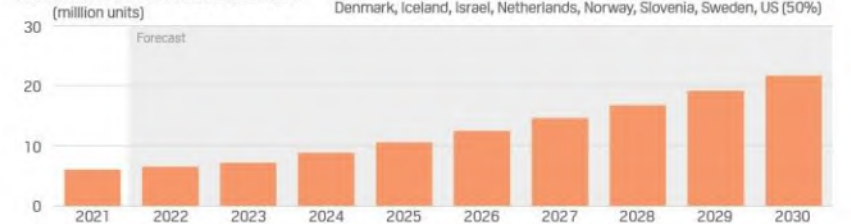
FUTURE LITHIUM DEMAND BY 2030



LITHIUM PRODUCTS AND ASSETS



GLOBAL EVs SALES FORECAST



Images and text (other than Li Price index graph) from infographic developed and designed by Henrique Ribeiro and Melenie Yuen for S&P Global, January 2022



CLOSE TO THE COMMUNITY

Two-time winner of the Nunavut Mining Symposium Corporate Award:

"To recognize the contribution of a mining, exploration, or related company to the economic/social development of a community, region or Nunavut in general."

2018



2022



Lithium

Advanced
Diamonds

Discovery
Diamonds

Brownfields
Gold

Project	Milestones / Catalysts	Details
LDG, NT	Spodumene Pegmatite assays; drilling 2023	Prospecting, mapping pegmatites; exploration camp and drill permit in place; plans for September drilling
Mackay, NT	Spodumene Pegmatites assays; channel sampling	Channel sample assay results; potential drill in September
DeStaffany, NT	Spodumene Pegmatite assays; drilling 2024	Assay results from 2023 channel sampling and prospecting; Mineral Characterization work; Initial drill program in 2024
Grassroots: Bathurst, NU	Discovery of spodumene pegmatites	Evaluation of known pegmatites for spodumene mineralization
Hope Bay, NU	JV Partnership	Potential earn-in partnership
Pikoo (SK); Loki (NT)	Drill Ready	Potential for earn-in partnerships
Naujaat, NU	Diamond evaluation	GIA colour certification; permitting bulk sample



North Arrow

WEALTH OF EXPERIENCE

D. Grenville Thomas (Chairman) Founder of Aber Resources, discoverer of the Diavik Diamond Mine, Nechalacho Rare Earth Deposit; Canadian Mining Hall of Fame inductee.

Ken Armstrong P.Geo. (President, CEO, Director and Qualified Person under NI 43-101) Exploration & evaluation experience w/ Diavik, Aber, De Beers, Navigator, and Stornoway. Past-President of NWT & Nunavut Chamber of Mines.

Christopher Jennings (Director) Founder of SouthernEra, consultant to Aber; formerly with International Corona, BP Minerals (Canada) and Falconbridge.

Blair Murdoch (Director) Over thirty years senior management experience of private and public companies.

Torrie Chartier (Director) Currently CFO of Uravan Minerals; 20+ years of experience as a exploration geologist.

Eira M. Thomas (Advisor) Extensive exploration and development experience in Canada and Africa; Founder, CEO & director of Lucara; current director of Suncor; former officer & director of Aber and Kaminak.

Robin Hopkins (Advisor) 25+ years exploration, evaluation and development experience with Stornoway, Navigator, and Aber.

Allison Rippin Armstrong (Advisor) 20+ years CSR & ESG experience; Ex-Kaminak Gold.

Investing in...

- ❖ A Highly Experienced Team with a Pipeline of Projects in Lithium, Gold and Diamonds
- ❖ Near term Lithium news flow
- ❖ Advanced Stage Diamond Project with Value Upside
- ❖ A Company Positioned for both Strong Market Demand for Lithium and a Re-Bound in interest in Rough Diamond Market

TSXV: NAR	As of August 14 th , 2023
Share Price	\$0.105
Market Cap	\$17 M
Issued	175 M
Options	13 M
Warrants	64 M
Fully Diluted	252 M
Insiders/Advisers	~27%



North Arrow

MINERALS INC.

Ken Armstrong
President & CEO

Nick Thomas
*Community and Investor
Relations Manager*

TSXV: NAR

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