



# Exploring for a Sustainable Future

Multi-Commodity Energy Minerals Focus

May 2024



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Release authorized by Trinex Minerals Limited Managing Director, Will Dix.

## Competent Person's Statement

The information in this announcement that relates to exploration results is extracted from ASX Announcements titled:

- "Todd River Makes Transformational Lithium Acquisition in NWT, Canada" Lodged on 27 September 2023
- "Successful Exploration Start for Ross Lake" Lodged on 10 October 2023
- "Further Encouraging Results from Canadian Lithium Exploration" Lodged on 30 October 2023
- "High Grade Lithium Confirmed at Ross Lake" Lodged on 8 January 2024
- "Spodumene Confirmed at Ross Lake" Lodged on 20 February 2024
- "Trinex to Explore for Uranium in the Athabasca Basin" Lodged on 28 February 2024
- "Uranium Mineralisation Intersected at Gibbons Creek" Lodged on 26 March 2024
- "NWT Lithium Project – Summer Work Programs Update" Lodged 9 April 2024
- "Further Uranium Mineralisation at Gibbons Creek" Lodged 26 April 2024

These announcements may be viewed at [www.trinexminerals.com.au](http://www.trinexminerals.com.au) and [www.asx.com.au](http://www.asx.com.au). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

# Exploring for a Sustainable Future



## Uranium Earn-In Agreement

Agreement to earn up to 75% in the advanced Gibbons Creek Uranium Project in the Athabasca Basin



## Canadian Lithium Prospectivity

TX3 has a large **100% owned lithium exploration landholding in the NWT** with over 500 km<sup>2</sup> of prospective claims



## Drill Ready Targets

Encouraging maiden drill program at Gibbons Creek, with additional targets identified for follow up



## Expert Major Shareholder

Dahrouge Group (~14% ownership) provides local exploration expertise



## Fully Funded for Exploration Activities

Strong treasury position to leverage exploration opportunities



# Corporate Overview and Capital Structure

**1,745M**

Shares on issue

**29M**

Options on issue

**\$0.004**

Share price  
(30 April 2024)

**\$6.98M**

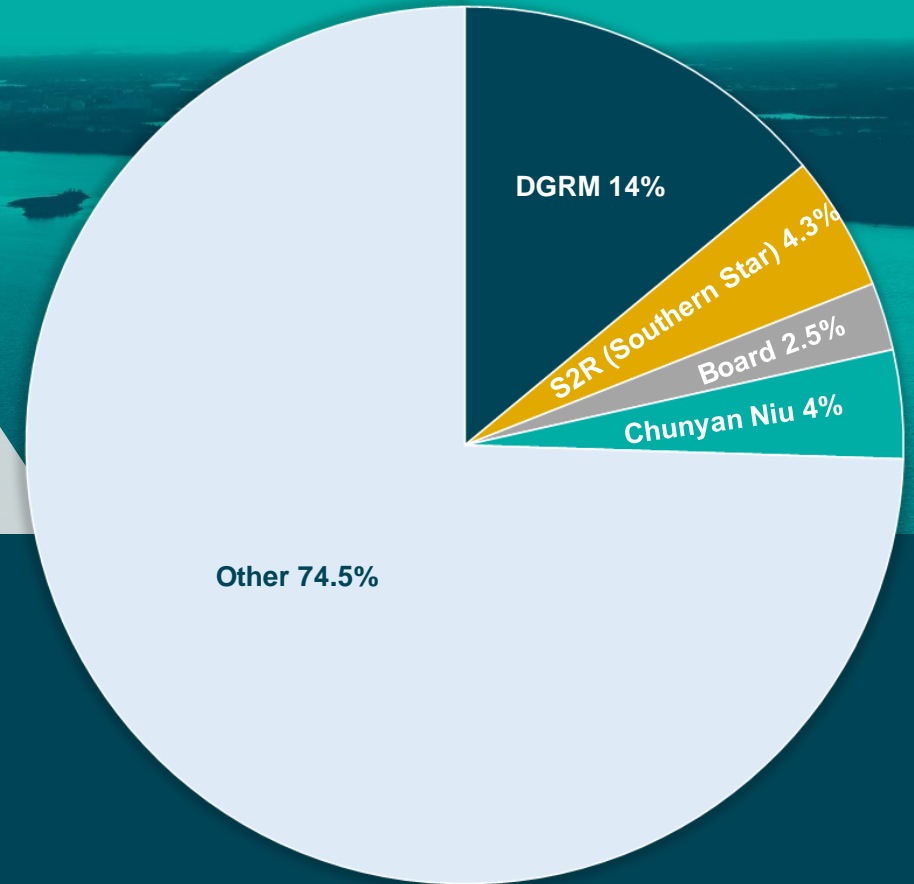
Market Capitalisation

**\$3.65M**

Treasury  
(31 March 2024)

**\$3.33M**

Enterprise Value



# Experienced Board of Directors



**Edward Fry**

Non-Executive Chairman

Eddie Fry is a Dagoman-Wardaman man from the Katherine region in the Northern Territory. He has extensive experience within the Australian resource sector and is a specialist in Indigenous and native title issues. He holds a Diploma in Business Management from the University of South Australia. He is the Chair of Indigenous Business Australia, is an executive director of Gimbulki Ltd, a native title land access company he established in 2002, Chair of the Indigenous Advisory Board at Broadspectrum (since 2010), Deputy Chair of the Aboriginal Foundation of South Australia Inc. and Chair of Trinex Minerals Limited.



**Will Dix**

Managing Director

Will is a geologist with 28 years' experience in base metal, gold and uranium exploration and mining. Will is a Fellow of the AusIMM, a graduate of the Australian Institute of Company Directors and has a proven track record of successful project and team management. He also has extensive experience in commercial activities including capital raisings, mergers, acquisitions and divestments and is a Non-Executive Director of Stelar Metals (ASX:SLB)



**Stuart Crow**

Non-Executive Director

Stu has more than 35 years' experience in all aspects of corporate finance, stockbroking and investor relations in Australia and international markets and has owned and operated his own businesses in these areas. Stu is currently Non-Executive Chairman of Lake Resources (ASX:LKE)



**Su-Mei Sain**

Executive Director

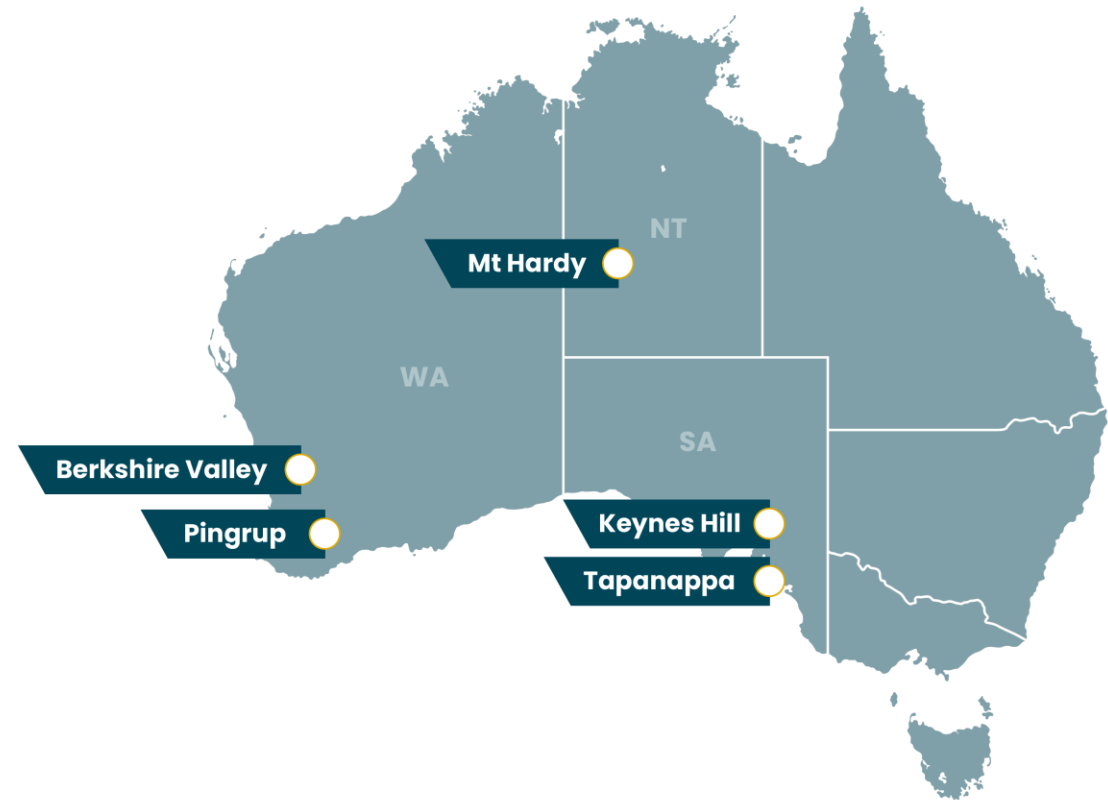
Su-Mei has a career spanning more than 15 years within the mining resources sector, where she has held diverse financial roles at mining companies including Sirius Resources and S2 Resources.

Su-Mei holds memberships in both Certified Practising Accountants Australia and the Australian Institute of Company Directors (AICD).

## Canadian Projects



## Australian Projects



# Athabasca Basin, Saskatchewan Uranium Earn-In

## Saskatchewan, Canada

- Over 900 million pounds of  $U_3O_8$  produced since 1975
- All of Canada's operating uranium mines and mills are in the Athabasca Basin

## Sandstone-hosted Uranium Deposits

- Related to the unconformity between the Athabasca Sandstone and Older Tantato domain rocks.
- Cigar Lake /McArthur River style is the Holy Grail – both located in the Athabasca Basin.

## Trinex Opportunity – Binding LOI

- Staged earn-in on Gibbons Creek in the Athabasca from ALX Resources (TSXV:AL).
- Can earn up to 75% with cash, shares and exploration expenditure over 5 years or less.
- Initial drill program completed in March 2024, awaiting assays.
- Trinex to manage exploration after initial drill program.
- Dr Andy Wilde, renowned Uranium geologist (ASX:92E), (ASX:I88) retained as an Advisor.





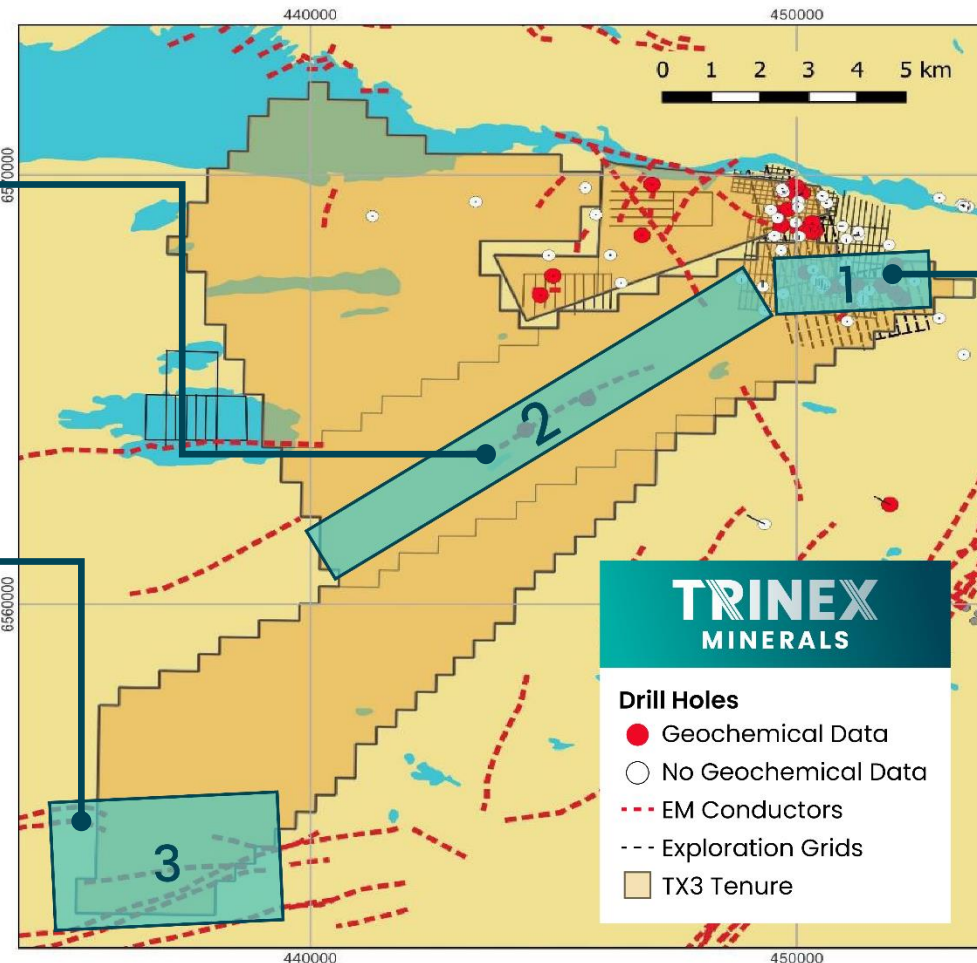
# Initial Target Areas Gibbons Creek Uranium Project

Fieldwork to be Led by DGC

**Butler Lake Target**  
Untested EM Conductors  
Anomalous U, B, K and  
Li in very limited drilling

**Hocking West Target**  
Well developed EM  
conductors – no drilling

**Airstrip Prospect**  
DC Resistivity Low  
Numerous Drillholes  
Anomalous U, B, K, Li.  
**Drilling Recently  
Completed.**

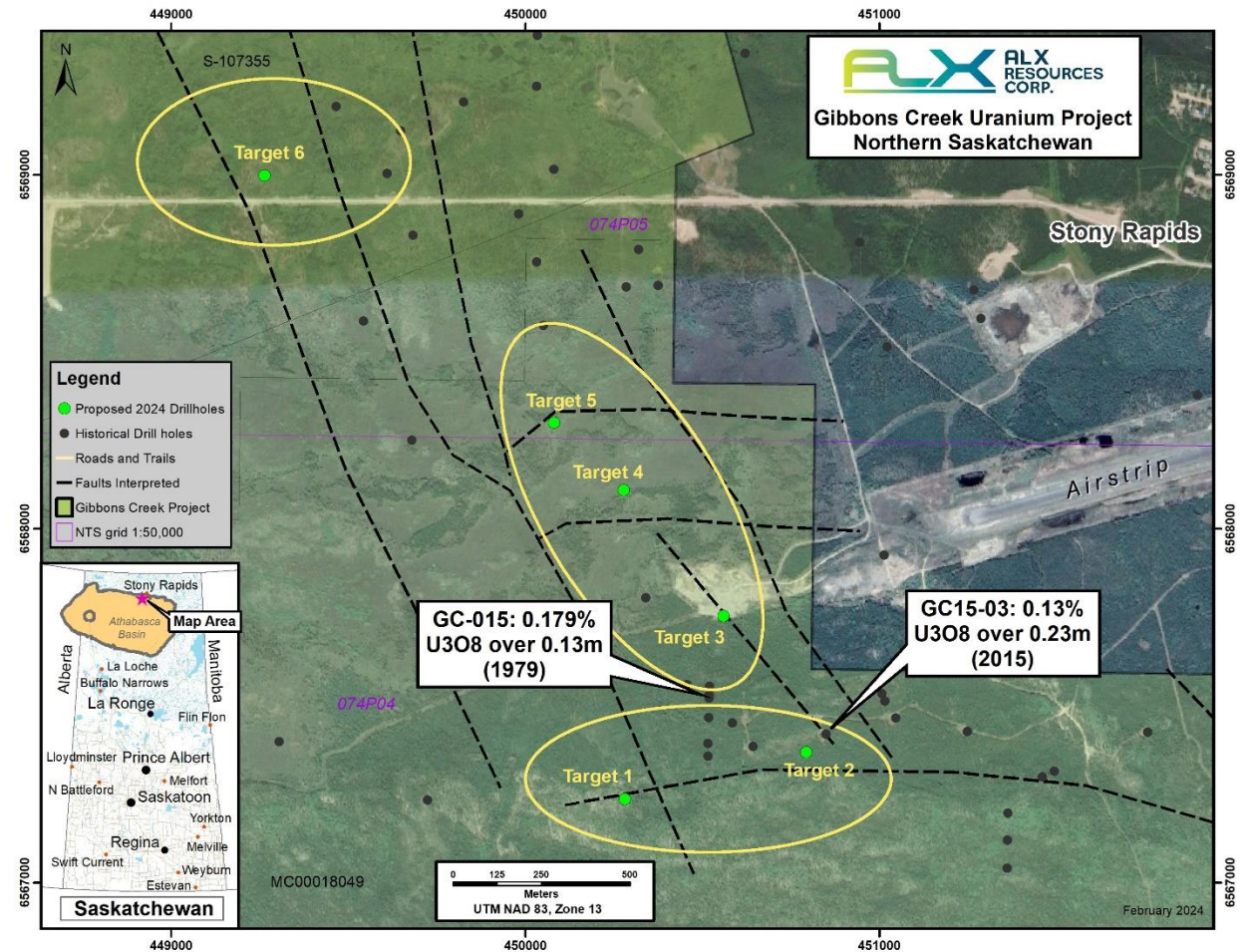




# Maiden Drilling Program March/April 2024

## Initial Drilling Program - Complete

- Initial program focused entirely on the Airstrip Prospect where historic drilling has intersected up to 0.18%  $U_3O_8$  over narrow intervals.
- 5-hole program designed to target the intersection of interpreted structures.
- Targets based on the compilation of historic geophysical data and new Radon in soil data collected in 2023.
- Drilling completed, assays awaited.



Gibbons Creek Uranium Project – historic results

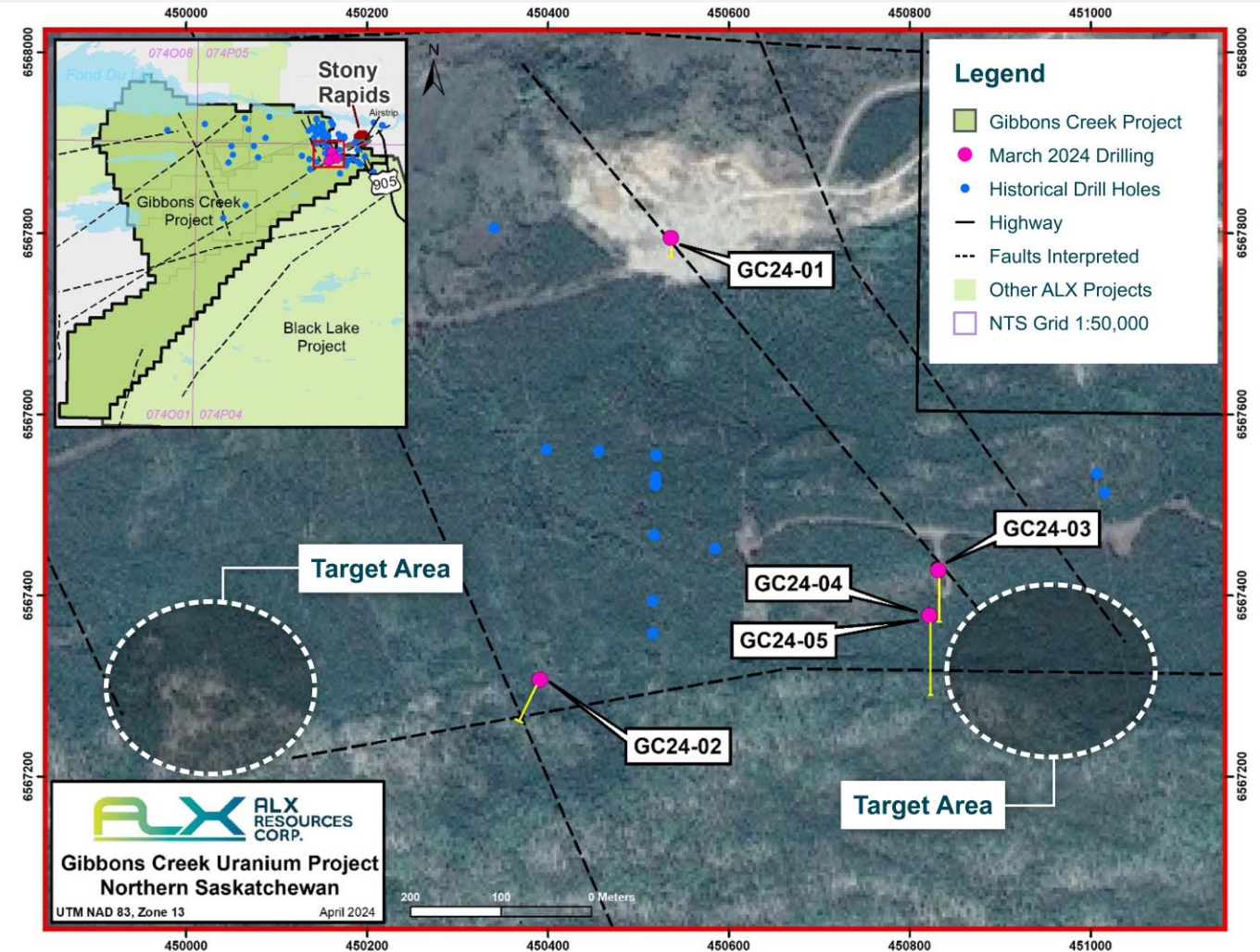
# Maiden Drilling Program Assays Awaited

## Initial 5-Hole Drilling Program

- Uranium mineralisation intersected in 4 of 5 drillholes.
- Preliminary results indicate potential proximity to a mineralised uranium system.
- Peak elevated radioactivity\* of over 8,660 counts per second (cps) recorded on gamma probe.
- Interpreted extension of SW trending structure extends through to Butler Lake Target.



GC24-04: Close-up of uranium mineralization in core sample with peak radioactivity (8,662 cps) at 107.87 m



Gibbons Creek Uranium Project – drill plan



# Additional Target Areas Butler Lake

## MegaTEM Conductors on Magnetics



### Gibbons Creek

#### Legend

#### Targetting

— Gibbons\_Creek\_2017\_ZTEM\_Lineament

#### Drilling

#### 01 Collars

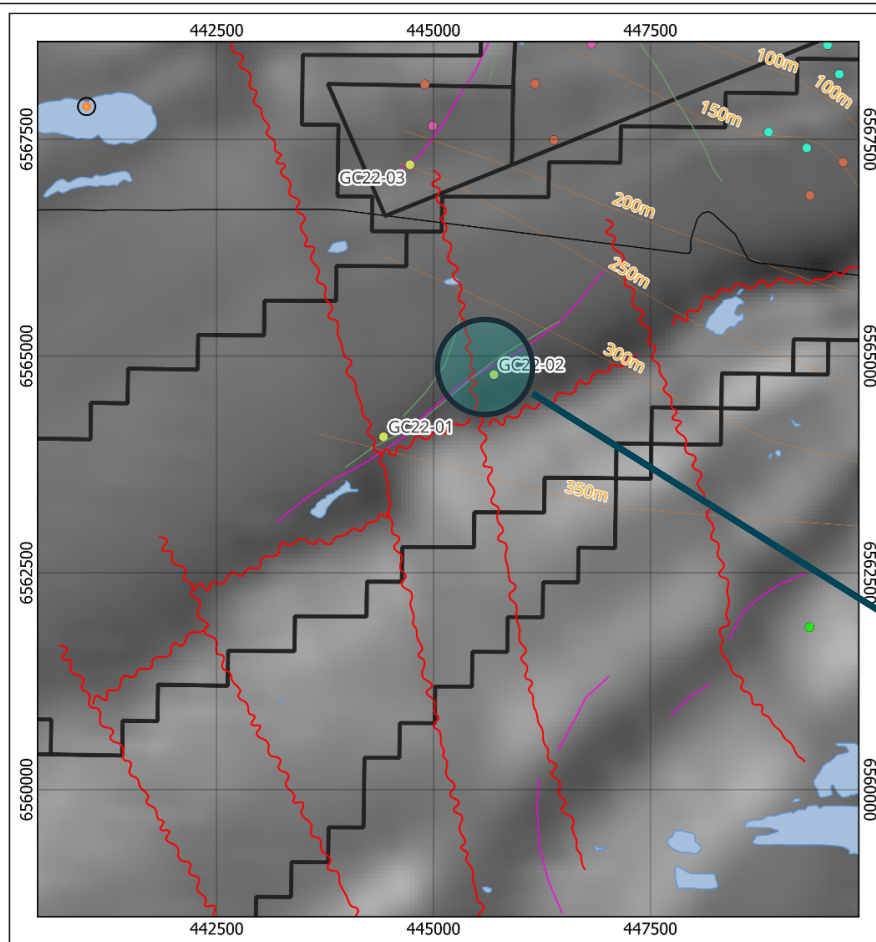
- ALX Resources Corp.
- Eldorado Nuclear Limited
- Famok Ltd.
- Star Uranium Corp
- UEX Corporation

#### Tenure

▭ Gibbons\_Creek\_Claims

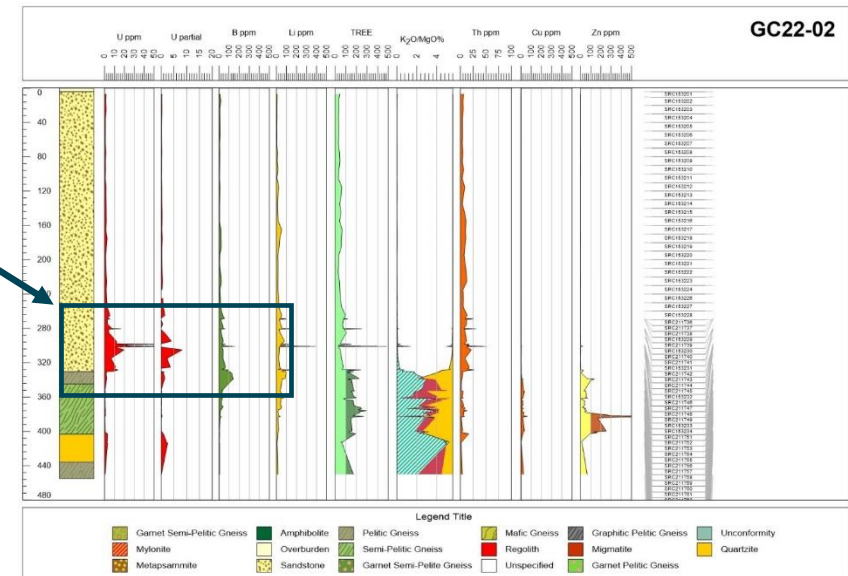
#### Geology

- Conductors\_Digitized
- GCK-AthaDepthCts
- ~ Structural Interp - JP



## Butler Lake Target

- Multiple untested conductors in broad magnetic low.
- Over 10 kilometres of EM conductor.
- Only 2 holes previously drilled with strongly anomalous uranium and boron on the unconformity but **failed to explain the presence of the conductor.**
- Requires more tightly controlled ground-based geophysics to refine conductor positions.
- DHTeM suggests conductor is up to 50m off-hole.



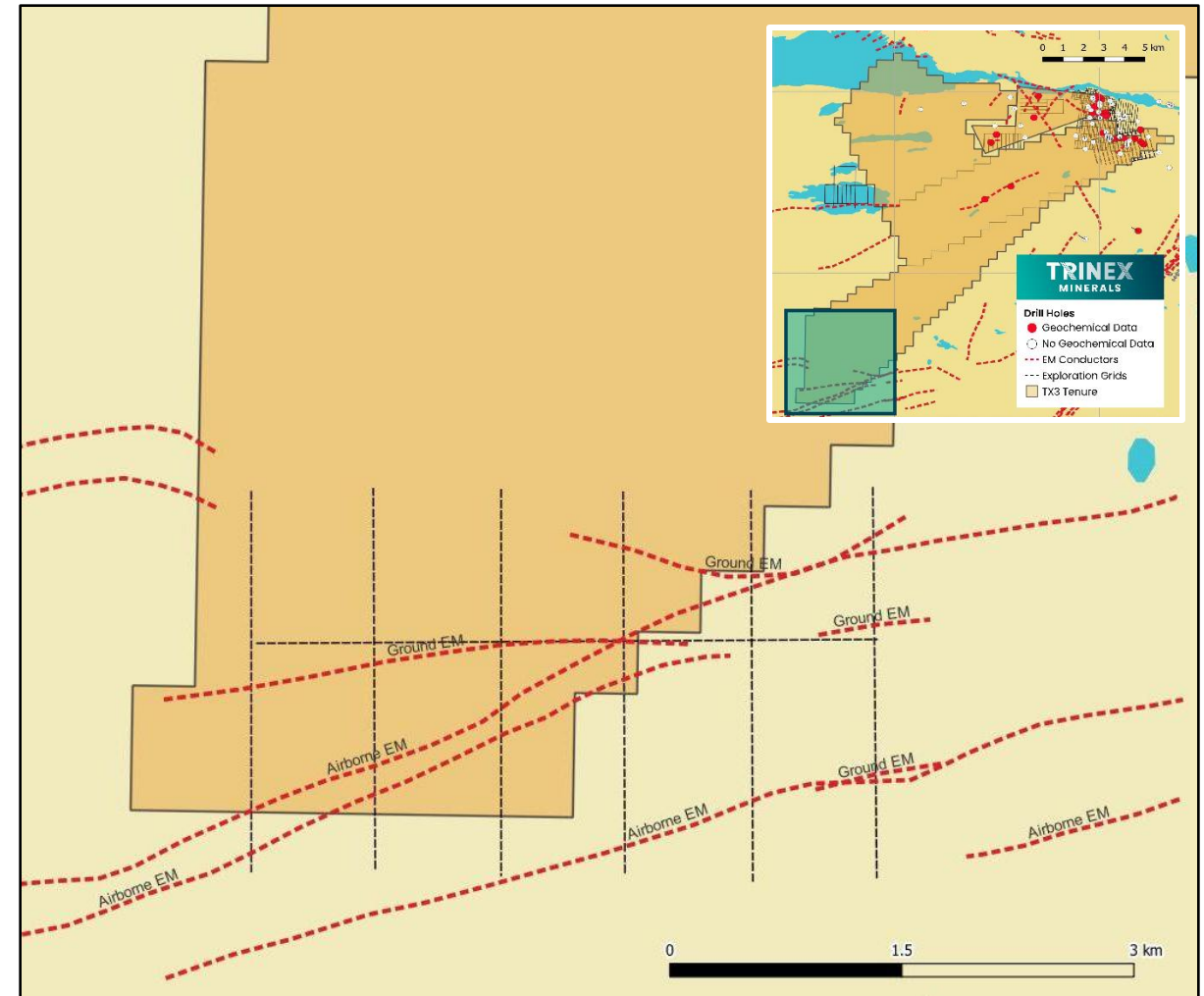


# Additional Target Areas Hocking West

## Untested Robust EM Conductors

### Hocking West Target

- **Completely untested** ProTEM conductors from 1999 ground TEM survey over **significant strike length**.
- Uncertainty around depth of the unconformity and position of conductors relative to the contact.
- Euler deconvolution analysis or passive seismic both options to measure depth of Unconformity.
- Potential to extend ground DC resistivity survey over the target area.
- All geophysics data to be re-evaluated and specific targets generated or data re-acquired.



# Northwest Territories An Emerging Lithium Province

## Northwest Territories, Canada

- Known spodumene rich pegmatites close to Yellowknife.
- Supportive and accessible local government and clear land access regime.

### Loyal Lithium [ASX: LLI] – Mkt cap: A\$25.1M

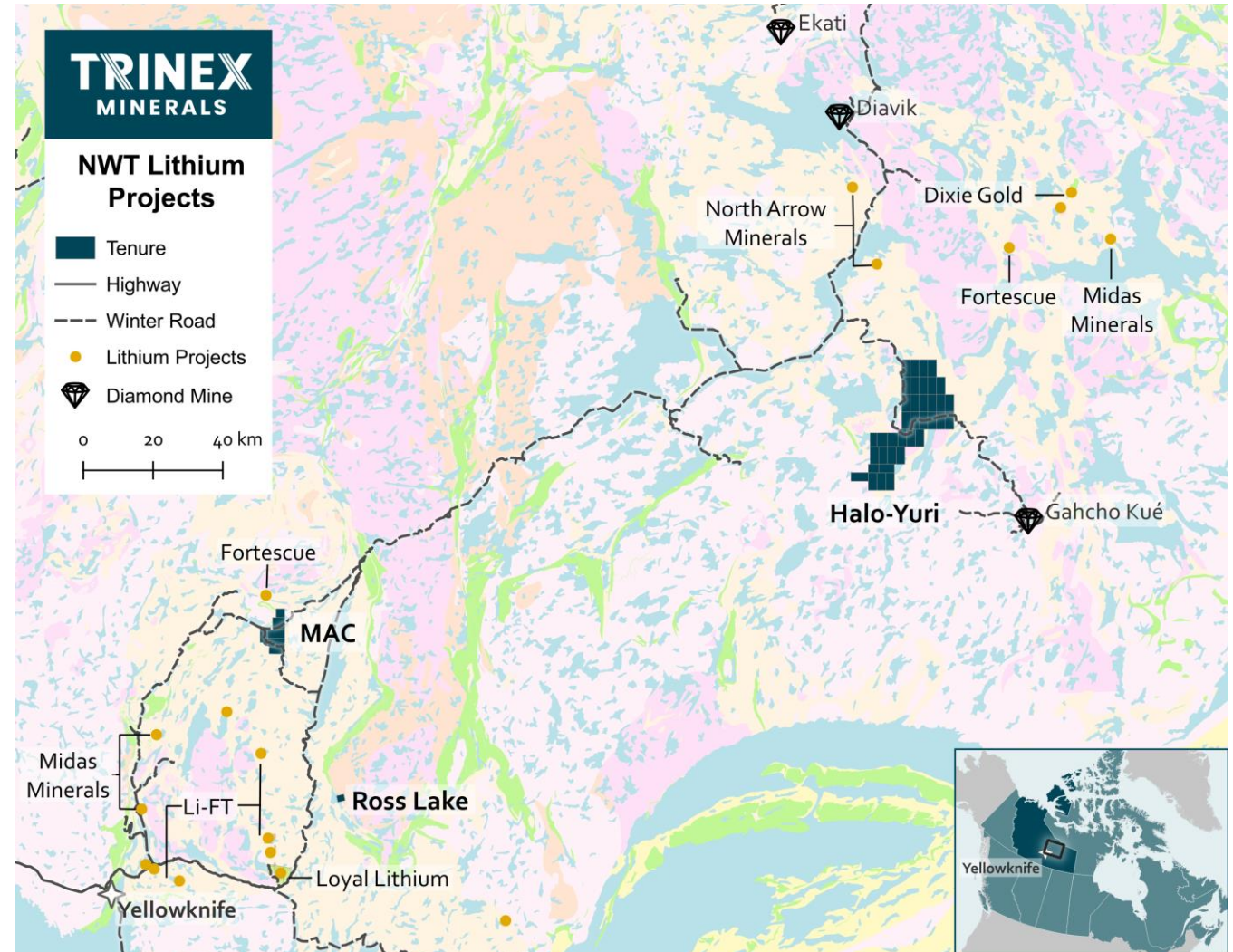
- Hidden Lake Lithium Project acquired April 2023.
- 14 Lithium bearing pegmatites present across project –only 4 drilled.
- Pegmatite mineralisation identified of 3,250m. (LLI ASX: 19 Oct 23)

### Midas Minerals [ASX: MM1] – Mkt cap: A\$7.8M

- Exploration underway at Yellowknife and Reid Aylmer Li Projects.
- 10 spodumene-bearing pegmatites identified to date at Yellowknife, with prospective areas covering > 70km<sup>2</sup> (MM1 ASX: 20 Nov 23).
- Reid-Aylmer “Argus” pegmatite (30m x 450m) returned rock chips up to 7.25% (MM1 ASX 12 Dec 23).

### Li-FT Power\* [TSXV: LIFT]

- Yellowknife & Cali Lithium projects with thick high grade Li intersections in drilling.
- Drill hits include 60m @ 1.38% Li<sub>2</sub>O and 56m @ 1.42 Li<sub>2</sub>O (LIFT TSXV: 12 Aug 23).





# Summer 2024 Exploration Planning Underway

## Fieldwork Led by DGC



### Halo-Yuri

Analysis of satellite imagery has identified numerous pegmatites for fast tracked exploration, with outcropping pegmatites from 10-50m thick and up to 1km long.



### Ross Lake

Class A Land Use Permit Application to be lodged ahead of summer 2024 fieldwork program. On-ground archaeology work completed.



### MAC Project

Focusing on new areas of known pegmatites in the south where K/Rb trends suggest highly fractionated (prospective) pegmatites, including new claim areas stakes by TX3.



### First Nations Engagement and Consultation

Initial meetings have been held online and face to face with all First Nation governments and communities. Land Use Permit application submitted.

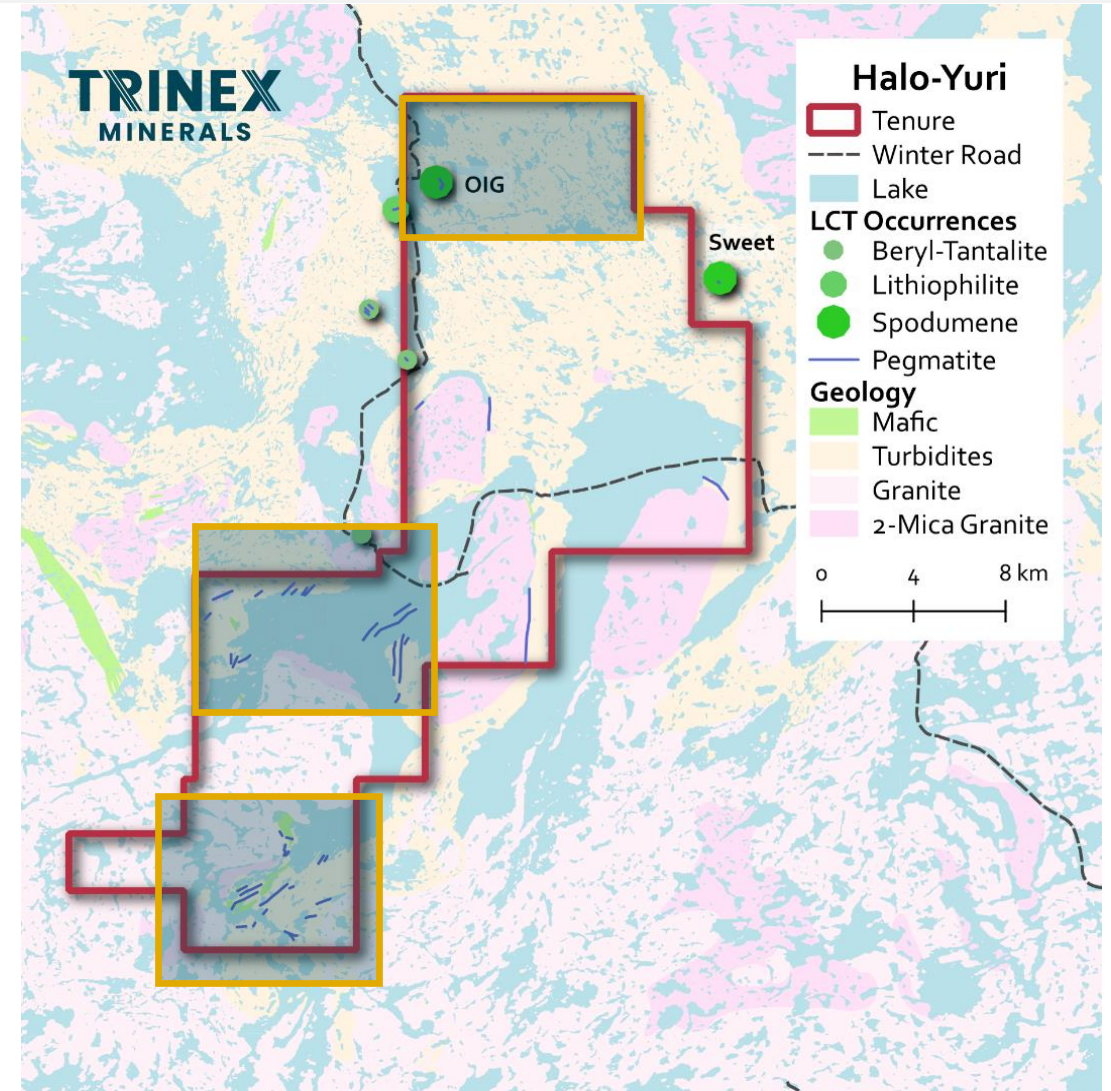




# Halo-Yuri Lithium Project Fast Tracked Exploration

## Halo Yuri Project Overview

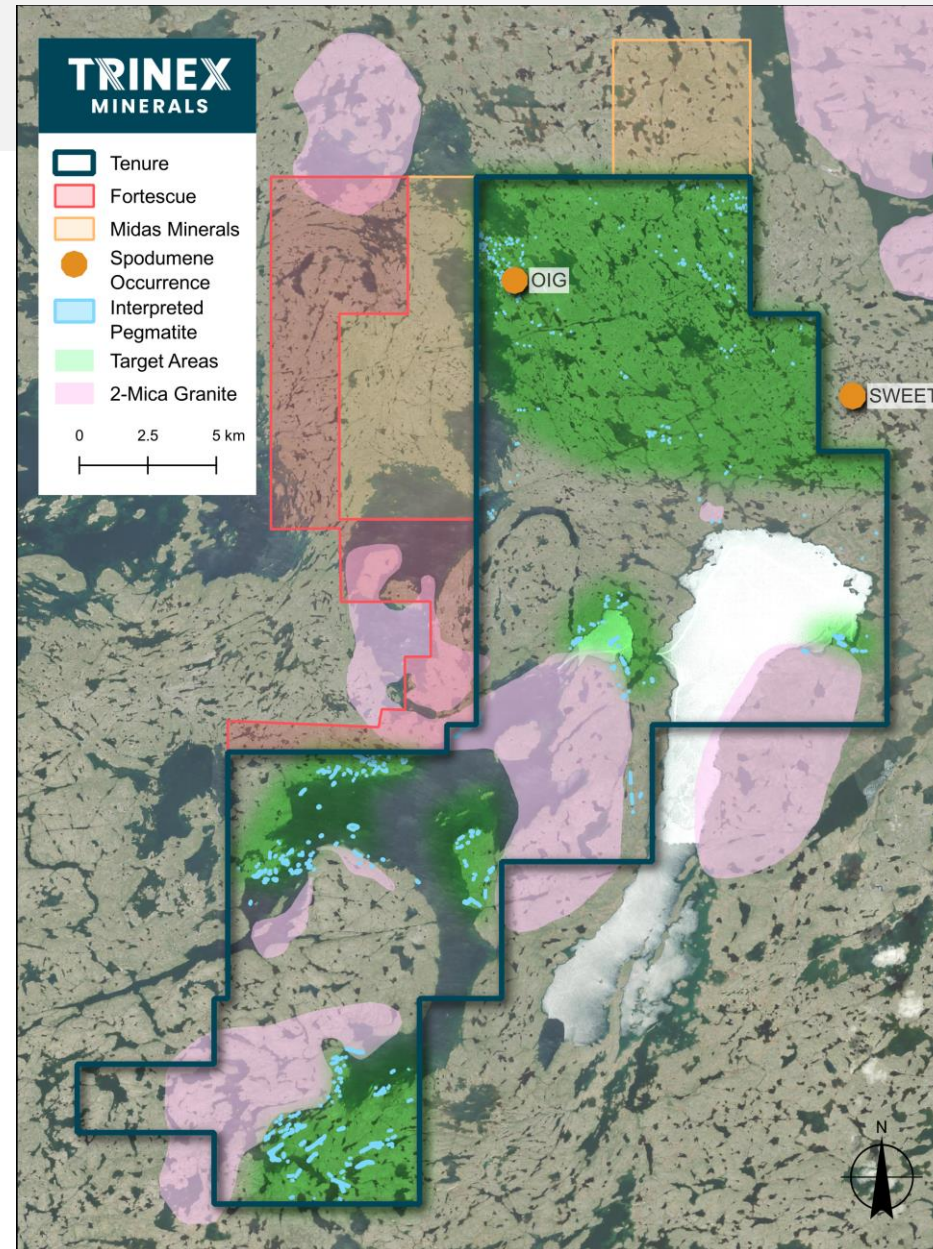
- 450km<sup>2</sup> comprising 37 contiguous claims, good drilling access via winter road.
- Known Alymer Lake pegmatite field is ~40km to NE of Halo Yuri. Historic work at Halo Yuri focused on diamonds with minimal mapping of pegmatites.
- TX3 has completed satellite mapping to interpret hundreds of pegmatite targets.
- Multiple pegmatite swarms identified in southern area ranging from 10-50m thick and up to 1km long.
- **High priority for summer 2024 exploration activities.**



# Halo-Yuri Identified Pegmatites

## 2024 Summer Proposed Program

- ✓ Summer 2024 field campaign to map and sample pegmatites in target areas.
- ✓ Main area of focus will be large untested pegmatites and spodumene occurrences.
- ✓ Results expected to lead to an initial drilling program for winter 2024-2025.
- ✓ Land Access permitting underway with initial AOA being completed.





# Ross Lake Targets Identified

## High Grade Li<sub>2</sub>O at Dyke 75

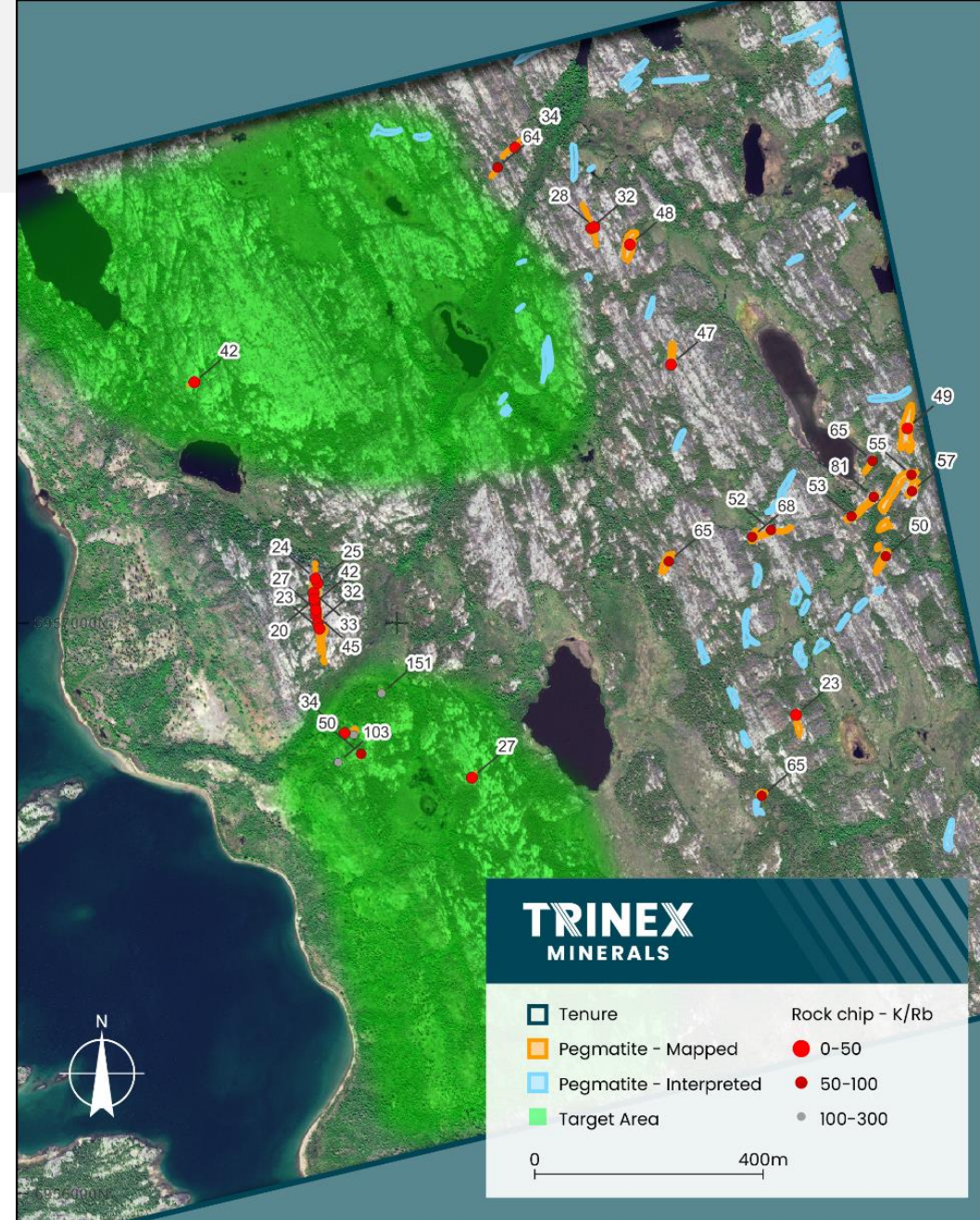
TX3 sampling returned results up to 3.31% Li<sub>2</sub>O and spodumene confirmed.

Rock Chip Assays:

- D00179806 **3.31%** Li<sub>2</sub>O (37.3% Spodumene)
- D00179861 **2.27%** Li<sub>2</sub>O (25.9% Spodumene)
- D00179903 **1.84%** Li<sub>2</sub>O (19.4% Spodumene)
- D00179902 1.13% Li<sub>2</sub>O (13.7% Spodumene)
- D00179805 1.07% Li<sub>2</sub>O (9.0% Spodumene)
- D00179808 0.92% Li<sub>2</sub>O

## Summer 2024 Exploration

- Target areas identified for Summer 2024 on-ground exploration program.
- Dyke 75 is interpreted to continue north and south under cover.
- Away from Dyke 75, elevated indicator minerals and low K/Rb ratio suggest pegmatite system is fertile.
- Class A Land Use Permit Application submitted for drilling at Dyke 75.



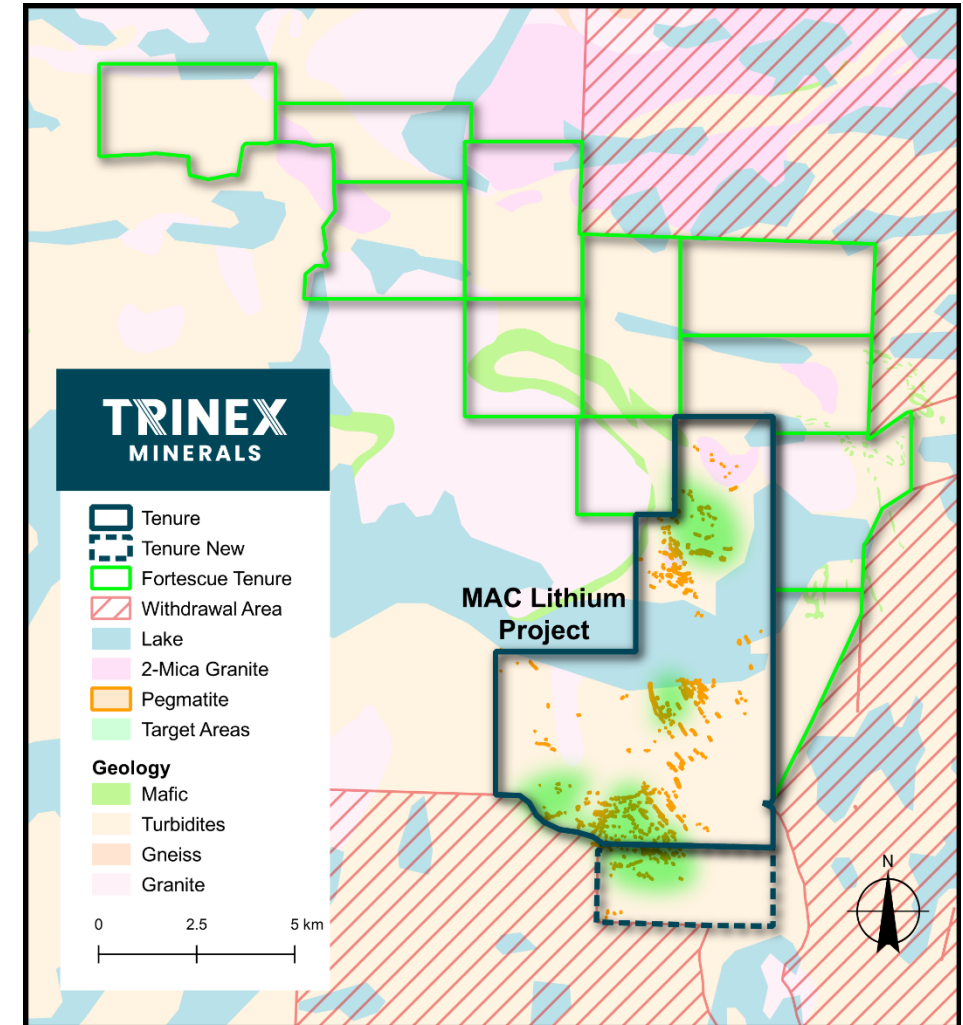


## 2023 Summer Exploration

- ✓ Mapping confirms fertile LCT pegmatite system in south of the project.
- ✓ With decreasing K/Rb ratio & numerous beryl occurrences.
- ✓ Fractioned granite identified in north of the project.
- ✓ Additional tenure staked to the west and south expanding out from fertile pegmatites.

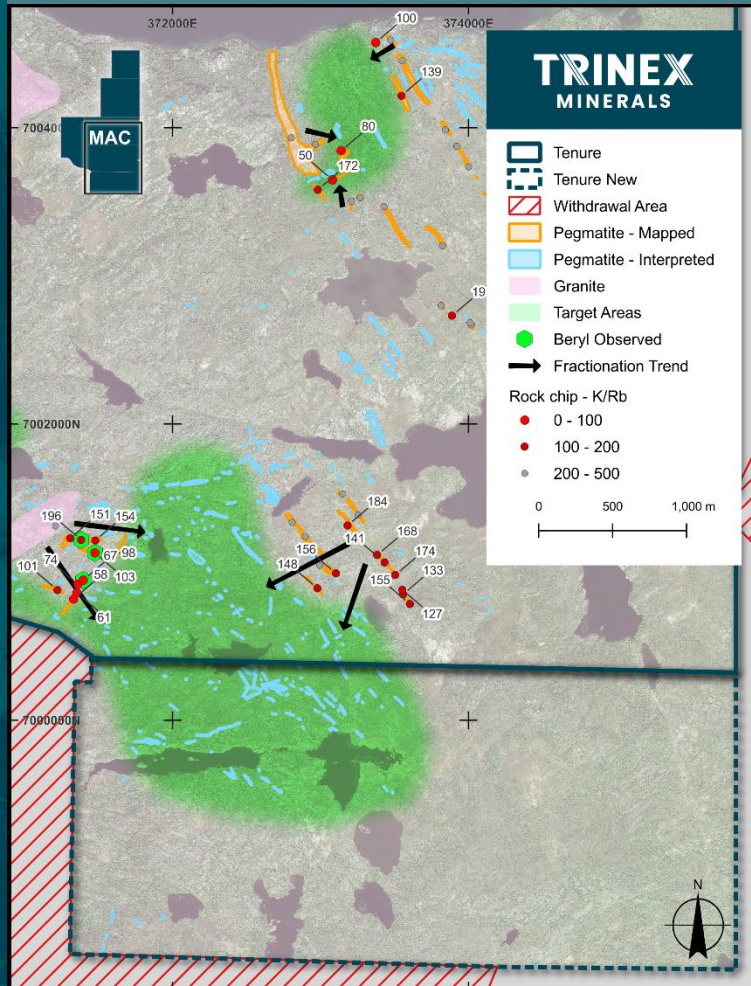
## 2024 Summer Planned Program

- ✓ Further mapping and sampling in prospective southern area and into new tenure.
- ✓ Sampling of interpreted pegmatites proximal to fertile granite in north.

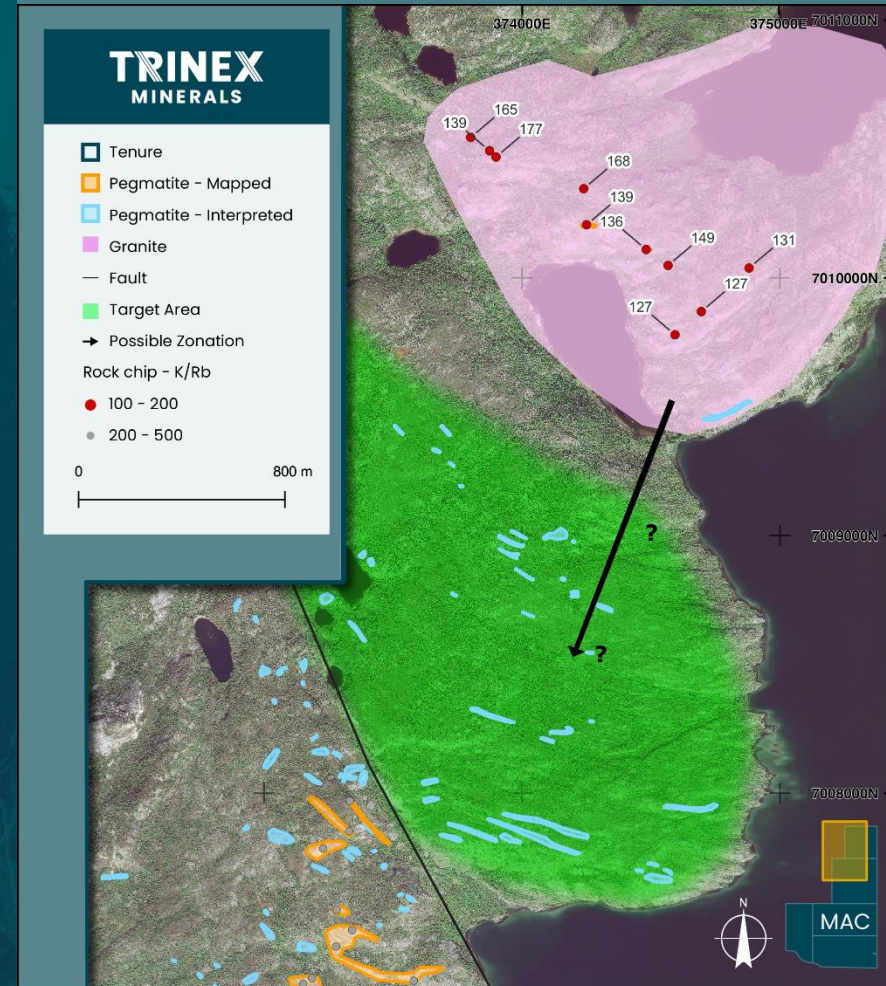


# MAC Priority Target Areas for Summer 2024

## MAC Project South



## MAC Project North





# Exploring for a Sustainable Future



# Critical and Energy Minerals Investment Opportunity



## Key Assets

100% of three lithium projects in an emerging lithium province  
Right to earn up to 75% in an exciting uranium project in the Athabasca Basin



## Focused Exploration

Initial diamond drilling program testing uranium targets at Gibbons Creek completed, assays due in May



## Initial Lithium Fieldwork Confirms Spodumene

Drilling Target defined at Ross Lake and multiple prospective pegmatites at MAC and Halo-Yuri



## Strong Register

Top 20 owns approximately 48%



## Treasury of A\$3.65m

Funded beyond 2024






# TRINEX

MINERALS

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**TX3**