13 June 2024

Summer Exploration Campaign Commences in the Northwest Territories

Key Points:

- Targeted on-ground exploration planned at Halo-Yuri Lithium Project to rapidly determine the prospectivity of numerous pegmatite systems.
- Completion of first pass exploration at the MAC Lithium Project which will cover the new claim areas recently staked by Trinex.

Trinex Minerals Limited **(ASX: TX3) (Trinex** or **the Company)** is pleased to announce that on-ground exploration activities for the summer 2024 Canadian field season have commenced at the Halo-Yuri Lithium Project (Figure 1). The purpose of this first phase field work is to enable the Company to rapidly assess a large number of pegmatite systems identified through satellite image interpretation[1]. Figures 2 and 3 show the areas that initial field work will target over a period of approximately three weeks with a follow up channel sampling program planned in July pending positive results.

In addition to the pegmatite assessment work at Halo-Yuri, a number of days will be spent completing first pass rock chip sampling at the MAC Lithium Project. This work is to follow up on the 2023 initial sampling that identified several prospective zones based on falling K/Rb ratios within pegmatite systems[2] (Figure 4) and led to the Company staking a number of new claims adjacent to the original MAC project[3].

Will Dix, Managing Director of Trinex Minerals, commented:

"We are delighted to be back on the ground in the Northwest Territories, which is an emerging lithium hot spot in Canada. Our thorough planning and preparation over the last couple of months will ensure we maximise our effectiveness during our time in the field. We fully expect to identify prospective pegmatite swarms during this campaign, which will lead to a more detailed channel sampling program later in the summer.

"We have only just started to build a picture of the potential at our Canadian lithium projects, and we remain encouraged by what we have seen in initial exploration programs. We are fully funded for our summer exploration activities, and we look forward to providing updates as we move forward."

Halo-Yuri Lithium Project - Background

Improved 50cm resolution satellite imagery over the Halo-Yuri Project has enabled the Company to interpret hundreds of pegmatite targets to follow up in this field campaign. The area in the north (Figure 2) is flat with limited outcrop, mostly obscured by glacial till and moss. It is likely that the extent of many of the pegmatites at surface is significantly more than what is obviously visible in the imagery which requires on-the-ground mapping of outcrop and boulder trains.

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[1] ASX Announcement 9 April 2024 – NWT Lithium Projects – Summer Work Programs Update
[2] ASX Announcement 8 January 2023 – Assay Results Confirm High Grade Lithium Mineralisation at Ross Lake
[3] ASX Announcement 20 February 2024 – Spodumene Confirmed at Ross Lake and MAC Lithium Project Update

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The only known geologist to map in this region with a lithium-caesium-tantalum (LCT) pegmatite focus was Tomascak[4] as part of his MSc work at the 'OIG' and 'SWEET' pegmatites. In the northern area, mapping activities were limited to a couple of hours on each pegmatite, indicating that the area is generally under-mapped and hence is a high priority target for the planned field work.

In the southern area (Figure 3) there is significant relief and therefore more outcrop. Mapping by the Northwest Territories Geological Survey (NTGS) identified numerous pegmatites that are clearly visible in the satellite imagery. In this area pegmatites range from 10 to >50m thick and up to 1km long. This area was not mapped by Tomascak.

The identified pegmatites are associated with the same suite of 2-mica granites that are proximal to the 'OIG' and 'SWEET' spodumene bearing pegmatites and other spodumene pegmatites regionally throughout the Slave Geological Province.

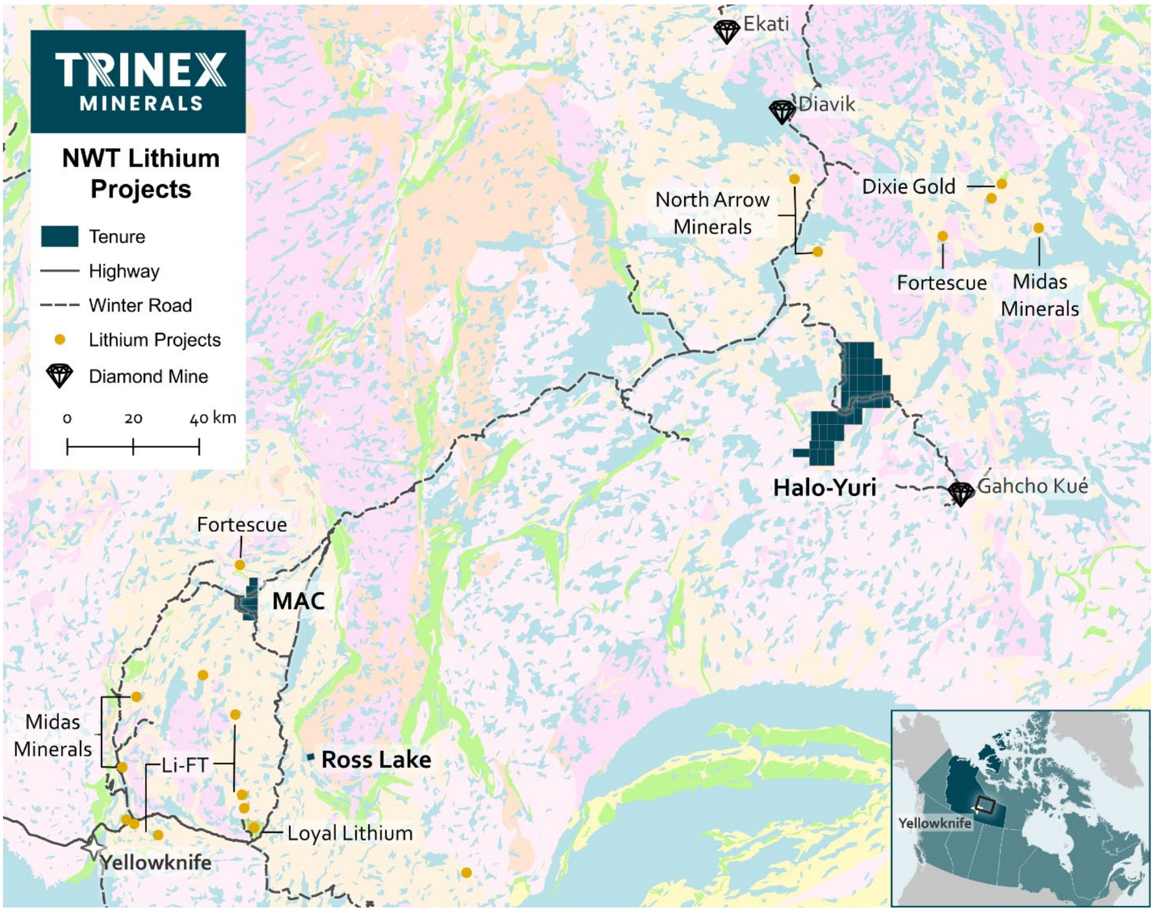

Figure 1: *Canadian Lithium Projects, Northwest Territories, Canada.*

[4] Tomascak, PB. (1991). *Granites and rare element pegmatites of the Aylmer Lake pegmatite field, Slave structural province, N.W.T.; petrochemistry, mineralogy, and exploration guidelines.* [Master's Thesis, University of Manitoba, Winnipeg, MB, Canada]

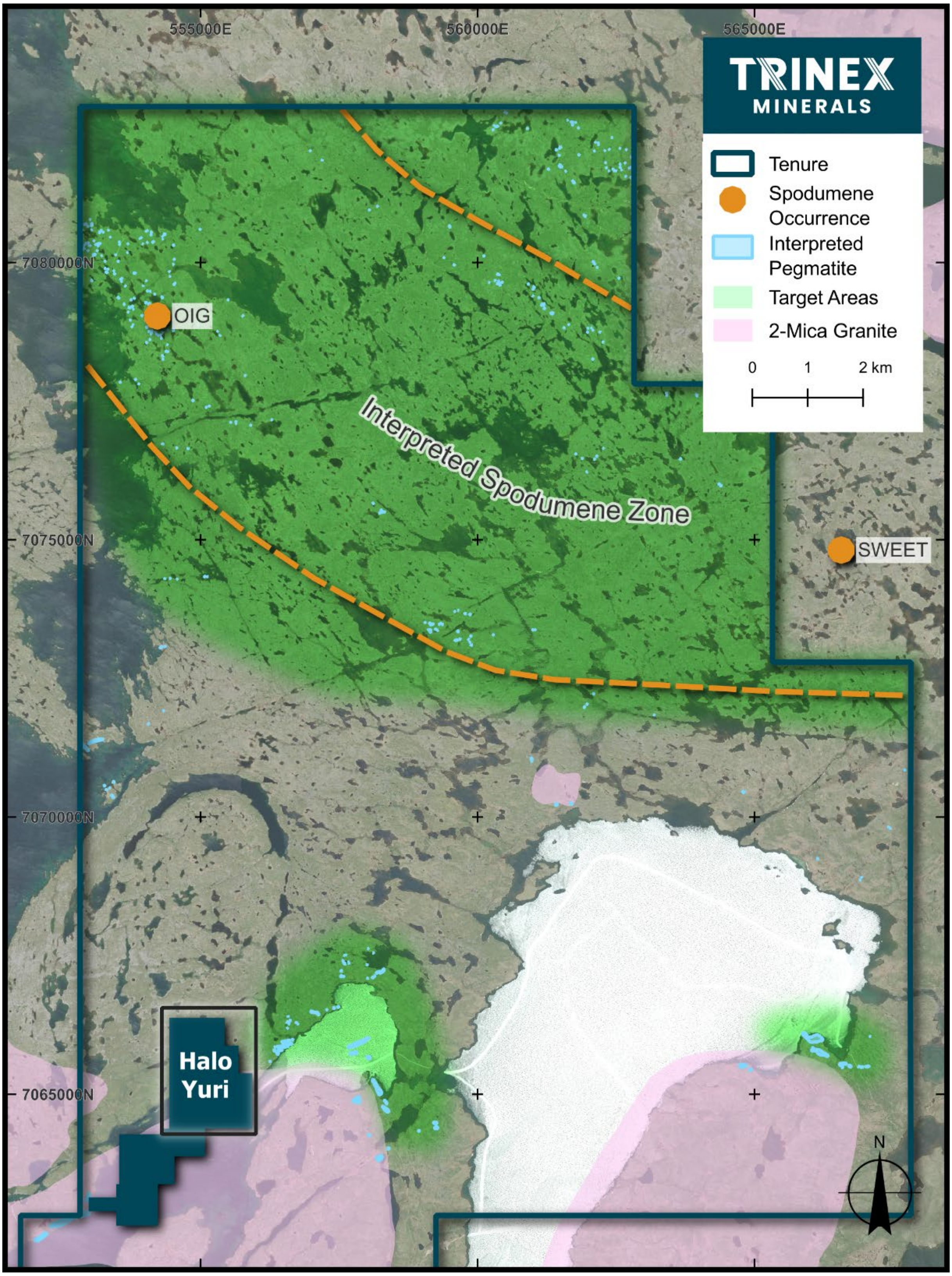

Figure 2: *Halo-Yuri Lithium Project (north) with highlighted target areas for the 2024 summer exploration program.*

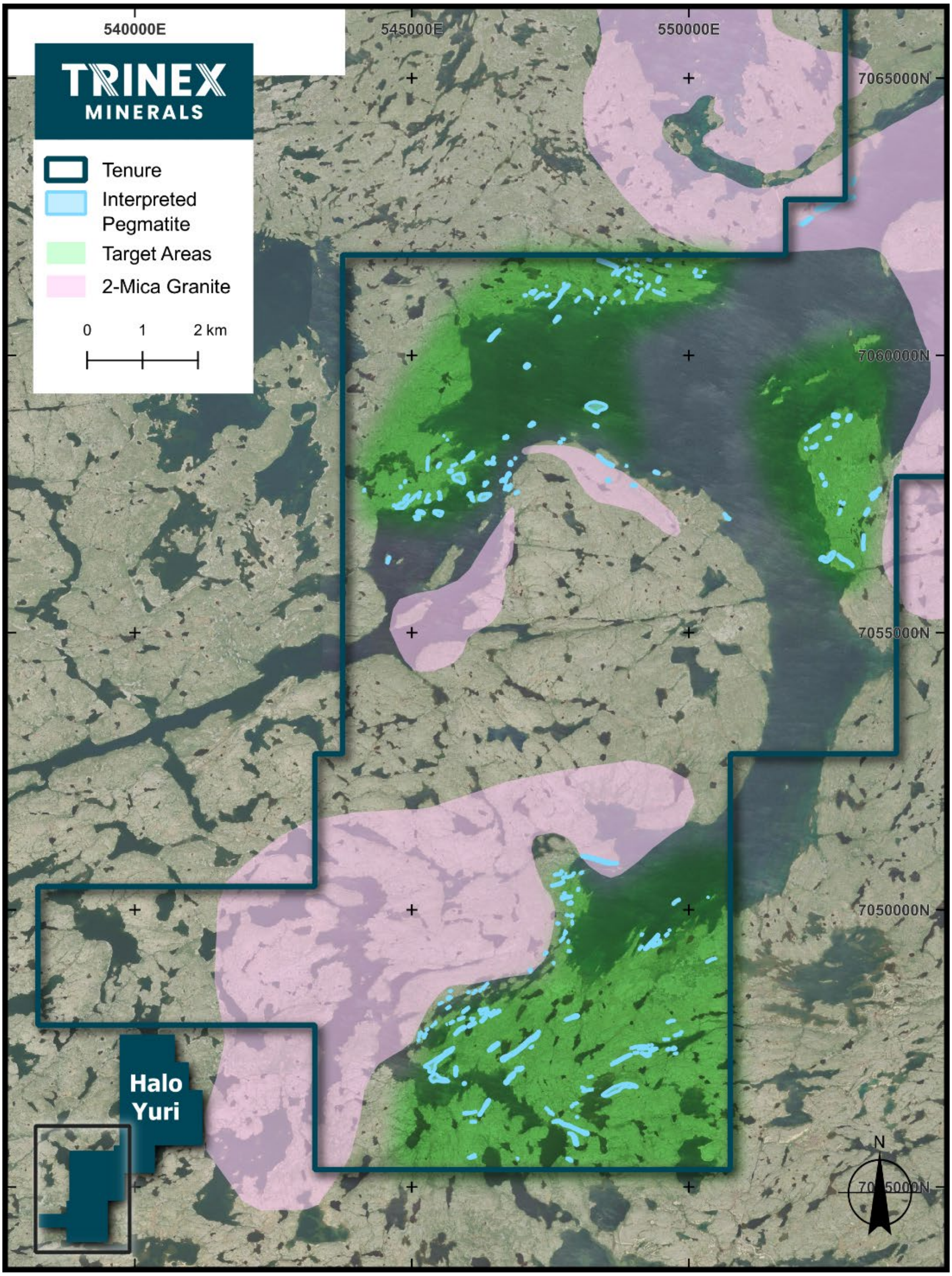

Figure 3: *Halo-Yuri Lithium Project (south) with highlighted target areas for the 2024 summer exploration program.*

MAC Lithium Project

Work completed at the MAC Project during the late 2023 summer field campaign confirmed the presence of a large LCT pegmatite swarm in the south of the project, where coarse grained pegmatites contain beryl and have associated decreasing K/Rb ratio trends, confirming the prospectivity of several areas[5].

The K/Rb ratio is a valuable exploration tool as it indicates degree of fractionation of the pegmatite, with a decreasing ratio (increasing Rb vs K) showing increasing fractionation. Lithium/spodumene-bearing pegmatites are typically in the most fractionated part of the system. The pegmatites at Ross Lake and southern area of MAC are also relatively enriched in rare elements (Be, Ta, Cs, Sn), further indicating increasing fractionation.

Figure 4 shows this area with the 2024 summer program at MAC to continue to follow this trend into the newly staked claim area.

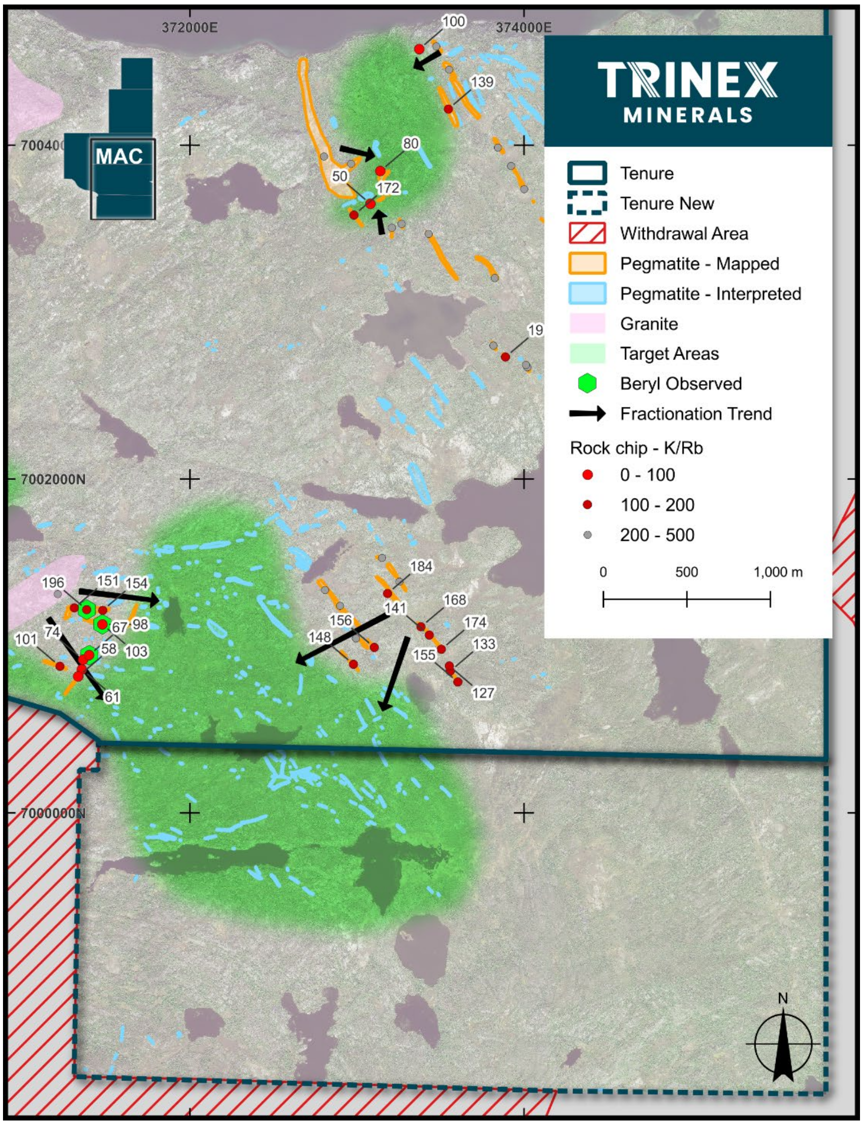

Figure 4: *MAC Lithium Project (south) with 2023 sample locations showing K/Rb ratios and target areas including on the recently staked claim for the 2024 summer exploration program.*

[5] ASX Announcement 20 February 2024 – Spodumene Confirmed and Ross Lake and MAC Lithium Project Update

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Release authorised by the Board of Directors of Trinex Minerals Limited.

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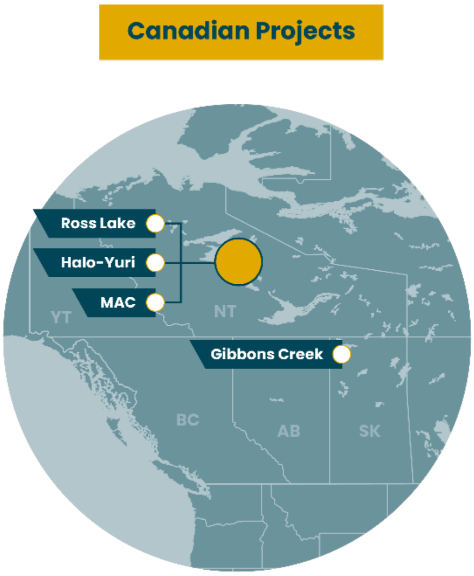
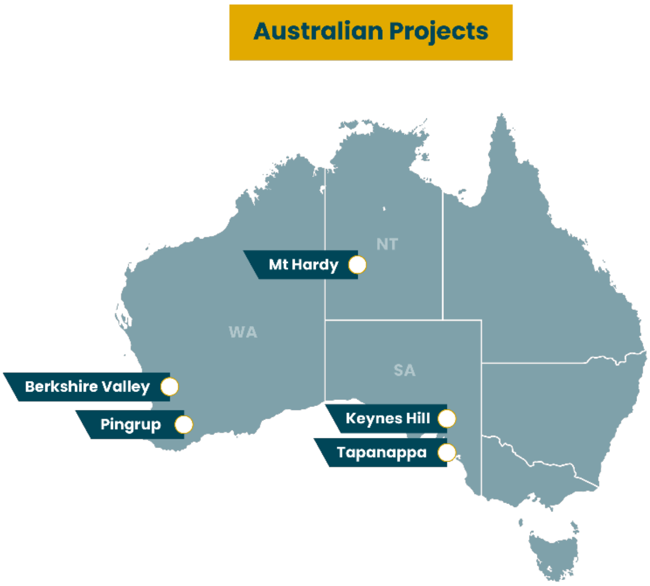
About Trinex Minerals

Trinex Minerals Limited (ASX: TX3) is an Australian-based resources company exploring for critical minerals, which are essential for the future transition towards clean energy.

The Company holds several energy minerals projects in Canada, including lithium focused projects in the Northwest Territories, and an option to earn up to 75% in the advanced Gibbons Creek Uranium Project in Saskatchewan.

In Australia, Trinex holds a base metals resource at its Mt Hardy Project in the Northern Territory, and several exciting projects in Western Australia and South Australia.





Forward Looking Statements

This announcement includes forward-looking statements. These statements relate to the Company's expectations, beliefs, intentions or strategies regarding the future. These statements can be identified by the use of words like “will”, "progress", “anticipate”, “intend”, “expect”, “may”, “seek”, “towards”, “enable” and similar words or expressions containing same.

The forward-looking statements reflect the Company’s views and assumptions with respect to future events as of the date of this announcement and are subject to a variety of unpredictable risks, uncertainties, and other unknowns. Actual and future results and trends could differ materially from those set forth in such statements due to various factors, many of which are beyond our ability to control or predict. Given these uncertainties, no one should place undue reliance on any forward-looking statements attributable to the Company, or any of its affiliates or persons acting on its behalf. The Company does not undertake any obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. Neither the Company nor any other person, gives any representation, warranty, assurance, nor will guarantee that the occurrence of the events expressed or implied in any forward-looking statement will actually occur. To the maximum extent permitted by law, the Company and each of its advisors, affiliates, related bodies corporate, directors, officers, partners, employees and agents disclaim any responsibility for the accuracy or completeness of any forward-looking statements whether as a result of new information, future events or results or otherwise.