# ASX ANNOUNCEMENT

24th May, 2023

ASX: MTM

## WEBINAR PRESENTATION DECK

MTM Critical Metals Limited (ASX:**MTM**) (**MTM** or the **Company**) Managing Director, Lachlan Reynolds, has presented an investor webinar which included the attached updated presentation deck. A recording of the webinar will be available on the Company's web site following the presentation.

This announcement has been authorised for release by the Board of Directors.

### For further information, please contact:


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### About MTM Critical Metals Limited

MTM Critical Metals Limited is an exploration company which is focused on searching for rare earth elements (REE), gold, lithium, nickel, and base metals in the Goldfields and Ravensthorpe districts of Western Australia and in the Abitibi region of the Province of Québec. The Company holds over 4,500km$^2$ of tenements in three prolific and highly prospective mineral regions in Western Australia and has an option to acquire, through an earn-in arrangement, a 100% interest in 2,400 ha of exploration rights in Québec, Canada. The East Laverton Projects is made up of a regionally extensive package of underexplored tenements prospective for REE, gold and base metals. The Mt Monger Gold Project comprises an area containing known gold deposits and occurrences in the Mt Monger area, located ~70km SE of Kalgoorlie and immediately adjacent to the Randalls gold mill operated by Silver Lake Resources Limited. The Ravensthorpe Project contains a package of tenements in the southern part of Western Australia between Esperance and Bremer Bay which are prospective for a range of minerals including REE, lithium, nickel and graphite. The Pomme project in Québec is a known carbonatite intrusion that is enriched in REE and niobium and is considered to be an extremely prospective exploration target adjacent to a world class REE resource (Montviel deposit). Priority drilling targets have been identified in all project areas and the Company is well funded to undertake effective exploration programs. The Company has an experienced Board and management team which is focused on discovery to increase value for Shareholders.

CRITICAL METALS LIMITED

# REE Exploration in WA and Québec

## Investor Webinar, May 2023

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**Cautionary Statement Regarding Exploration & Development, Values & Forward-Looking Information**

The tenements comprising the East Laverton REE Projects and Pomme REE-Nb Project (Projects) are at various stages of exploration and development and potential investors should understand that mineral exploration and development are high-risk undertakings. There can be no assurance that exploration and development of the Projects, or any other tenements that Mt Monger Resources may acquire in the future, will result in the discovery of an economic deposit. Even if an apparently viable deposit is identified, there is no guarantee that it can be economically exploited. Specifically, investors are cautioned that the Projects have no reported mineral resources or ore reserves and that the proximity of the Projects to any deposit and any geological similarities with that deposit are no guarantee that the Project will be prospective for an economic reserve.

It is a requirement of the ASX Listing Rules that the reporting of exploration results in Australia comply with the Joint Ore Reserves Committee's Australasian Code for Reporting of Mineral Resources and Ore Reserves ("JORC Code"). Investors outside Australia should note that while exploration results pertaining to the Projects comply with the JORC Code, they may not comply with the relevant guidelines in other countries and, in particular, do not comply with National Instrument 43 101 (Standards of Disclosure for Mineral Projects) of the Canadian Securities Administrators (the "Canadian NI 43 101 Standards").

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# Recent Highlights

- **Option to acquire advanced Pomme REE-Nb project located in Québec, Canada**

  Excellent geological prospectivity - historic diamond drill holes confirm carbonatite-hosted rare earth element and niobium mineralisation over 500m downhole intervals, only two holes ever drilled

  Premium location, accessible and proximal to known existing REE resource

  Diamond drilling program expected to commence imminently

- **Major drilling program completed at the East Laverton project, WA**

  Extended known district-scale zone of broad, flat-lying clay-hosted REE mineralisation within the weathering zone

  Testing targets generated by previous geochemical soil sampling – new nickel laterite discovery

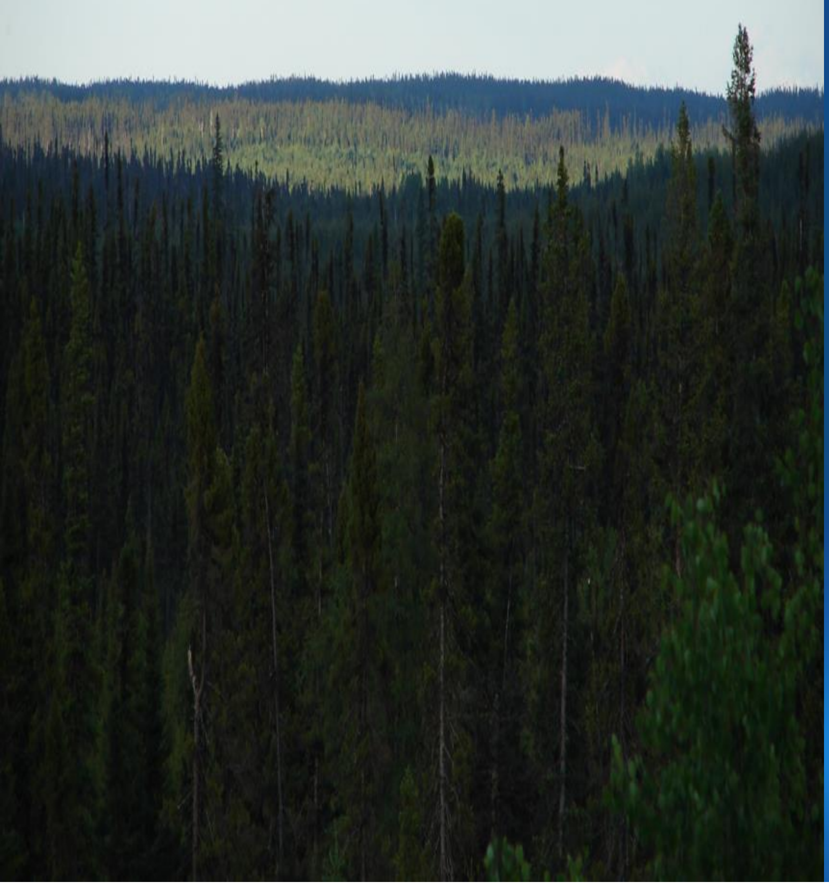
- **A$3 million capital raising through two-tranche share placement**

  Tranche 1 completed with existing placement capacity,  Tranche 2 shares and listed options subsequently received shareholder approval

- **Company name change to MTM Critical Metals Limited (ASX:MTM)**

  Better reflection of strategic investments in REE, with exposure to projected high demand for NdPr, Niobium and other critical metals

# Pomme Project Overview



## Advanced carbonatite REE-Nb project

- MTM has secured the exclusive and binding option to acquire 100% of the **Pomme REE-Nb project**
- The prospect has known carbonatite-hosted mineralisation with two historic drill holes confirming significant REE-Nb grades:
  - **MVX-12-01 - 508.3m @ 0.43% TREO, 413ppm $Nb_2O_5$ and 1.48% $P_2O_5$, from 73.7m**

    **Incl.: 7.5m @ 1.28% TREO, 499ppm $Nb_2O_5$ and 1.43% $P_2O_5$ from 319.5m**

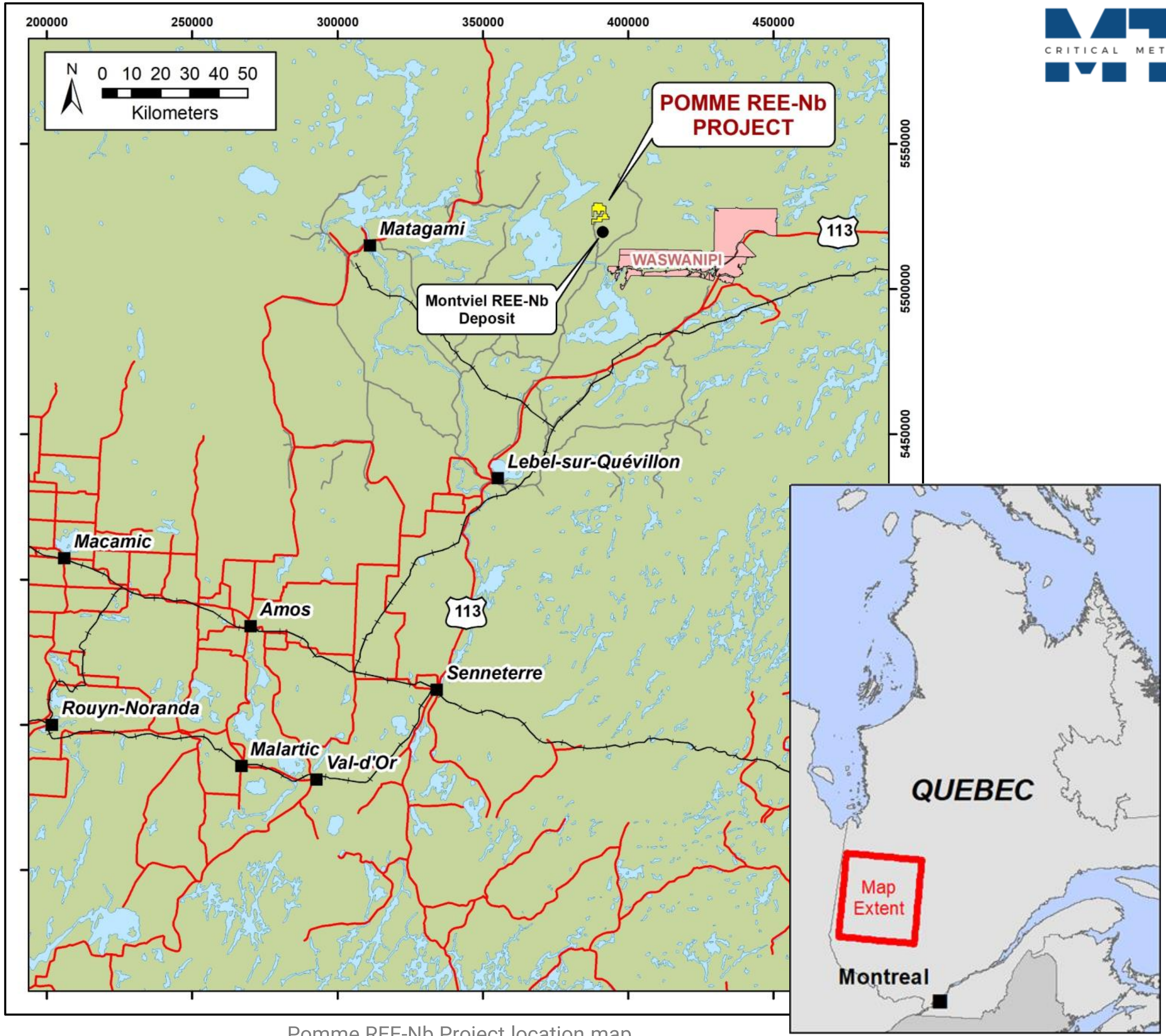
    **16.5m @ 1.44% TREO, 92ppm $Nb_2O_5$ and 0.46% $P_2O_5$ from 403.5m**

    **7.5m @ 1.77% TREO, 183ppm $Nb_2O_5$ and 0.59% $P_2O_5$ from 483m**
  - **MVP-12-02B - 478.1m @ 0.12% TREO, 340 ppm $Nb_2O_5$ and 2.14% $P_2O_5$, from 25.9m to EOH**
- The project is located only 7km from the world class carbonatite-hosted Montviel Deposit which has a total Indicated and Inferred resource of **266 Mt @ 1.46% TREO and 0.14% $Nb_2O_5$**
- The Pomme project presents as an extremely prospective target in an established region of Québec
- Existing team supporting upcoming work program on contract basis
- Government support and existing arrangements with local Cree First Nations of Waswanipi (CFNW) community

# Location & Access

**Very favourable for exploration & development**

- The project is located 500 km NW of Montreal in Québec
- 100 km from the town of Lebel-sur-Quevillon, where services and manpower are available
- 50 km W of Waswanipi Cree First Nation community
- Easily accessible claims via logging roads
- Access to hydro-electricity via local infrastructure
- Relatively flat topography
- Covered by a mix of forest and swamp
- Extensive mining infrastructure and services in the famous Abitibi Belt
- Sub-arctic climate with year-round field season

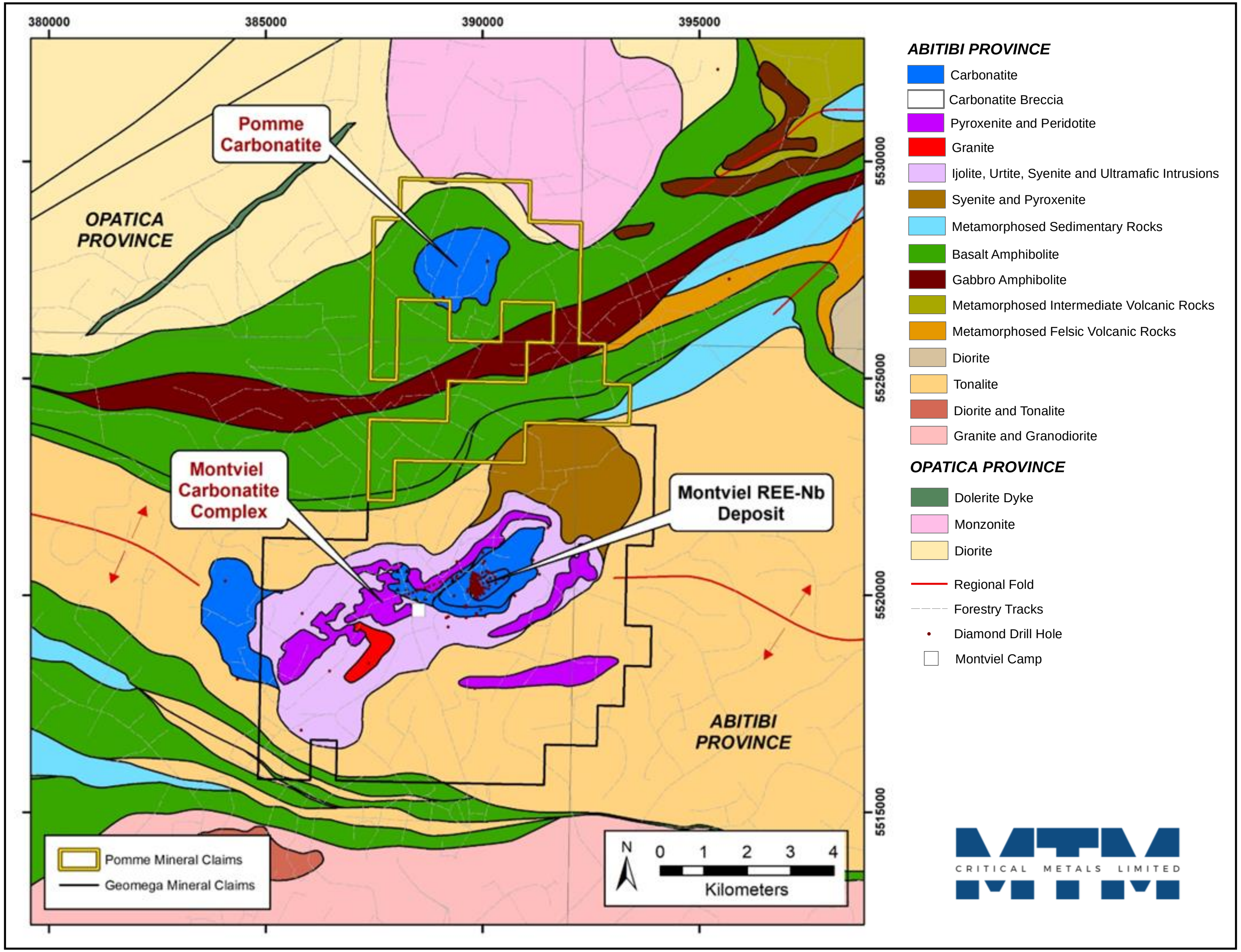



Pomme REE-Nb Project location map

# Pomme Project Geology

**Lookalike to Montviel REE deposit**

- Pomme carbonatite intrudes into sequence of amphibolised mafic volcanic rocks
- Mostly covered and few exposures of bedrock
- Montviel deposit likewise hosted by carbonatite, within an alkali intrusive complex that intrudes an intermediate granitoid
- Mineralisation hosted by specific carbonatite intrusions and structures defined by drilling – small part of intrusion

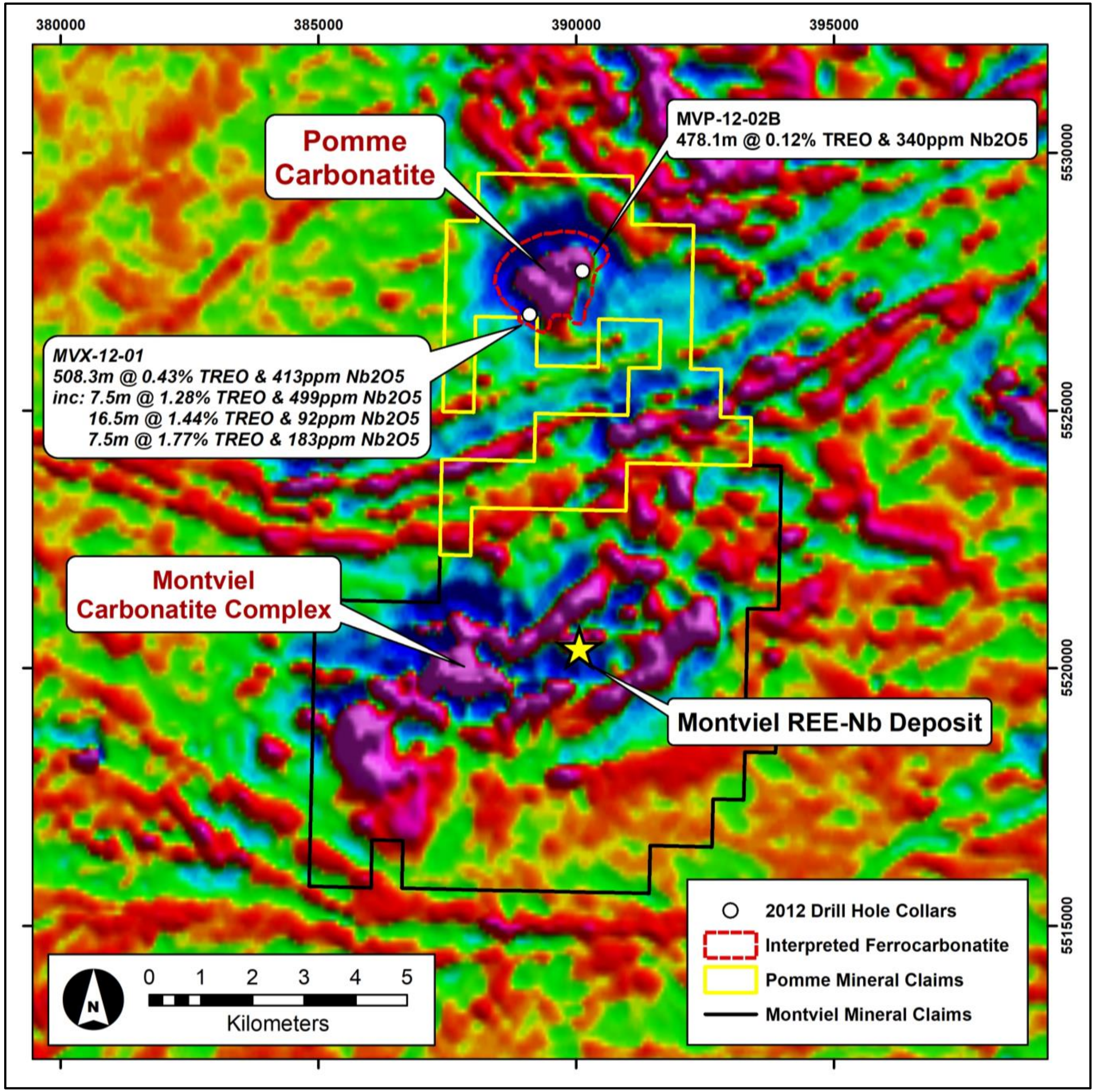



Simplified interpreted geology of the Montviel deposit and Pomme project area (SIGEOM)

# Pomme Project Geophysics

**Large structure identified**

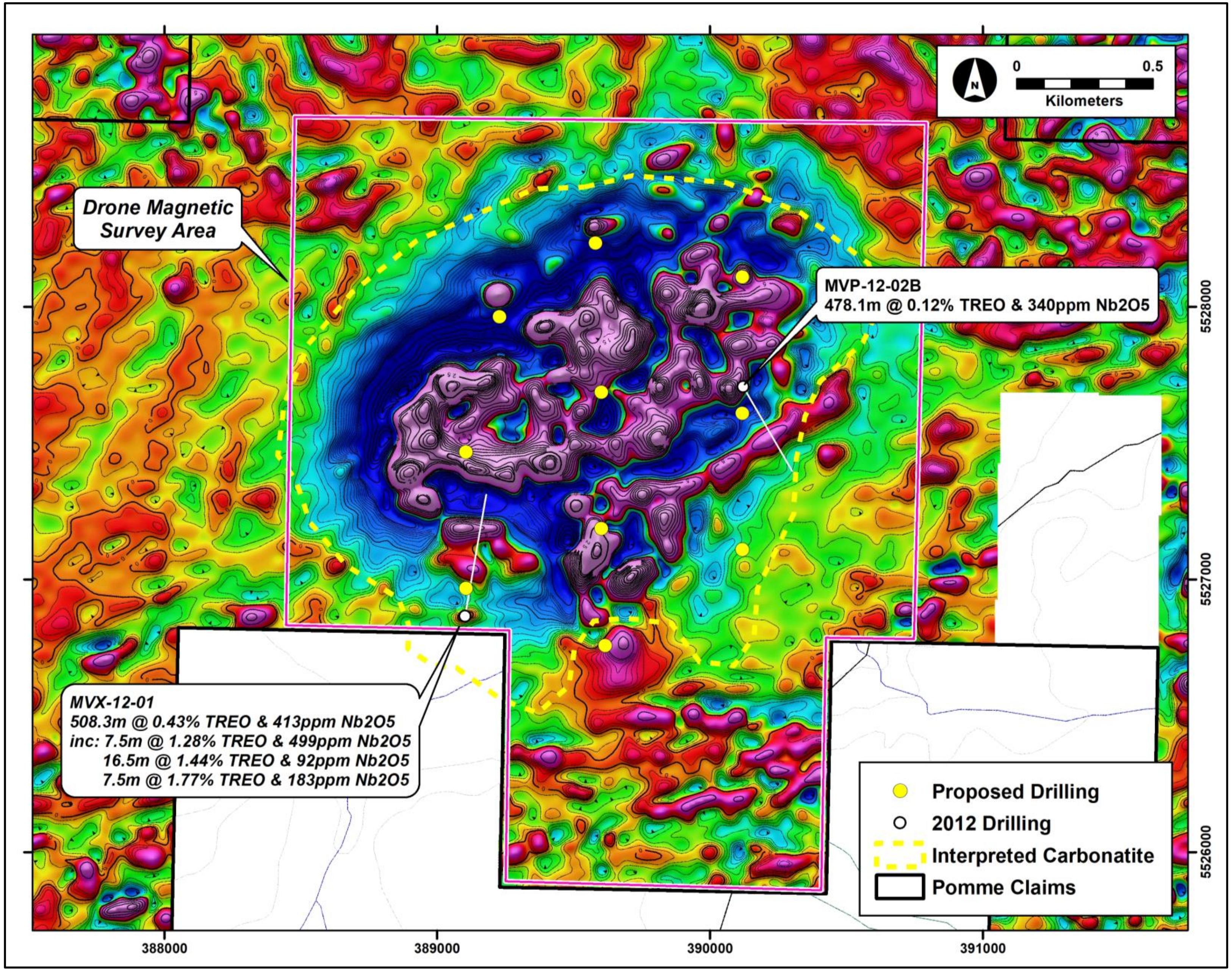
- High-amplitude magnetic anomalies associated with mineralised carbonatite due to magnetite and pyrrhotite
- Very distinct from surrounding metamorphosed mafic volcanics and intermediate to felsic intrusions
- Detailed surveys show carbonatites are complex intrusions
- High resolution drone survey recently completed




Airborne magnetic survey image of the Montviel Deposit and Pomme Project area (TMI 1VD, SIGEOM)

# Pomme Project Drilling

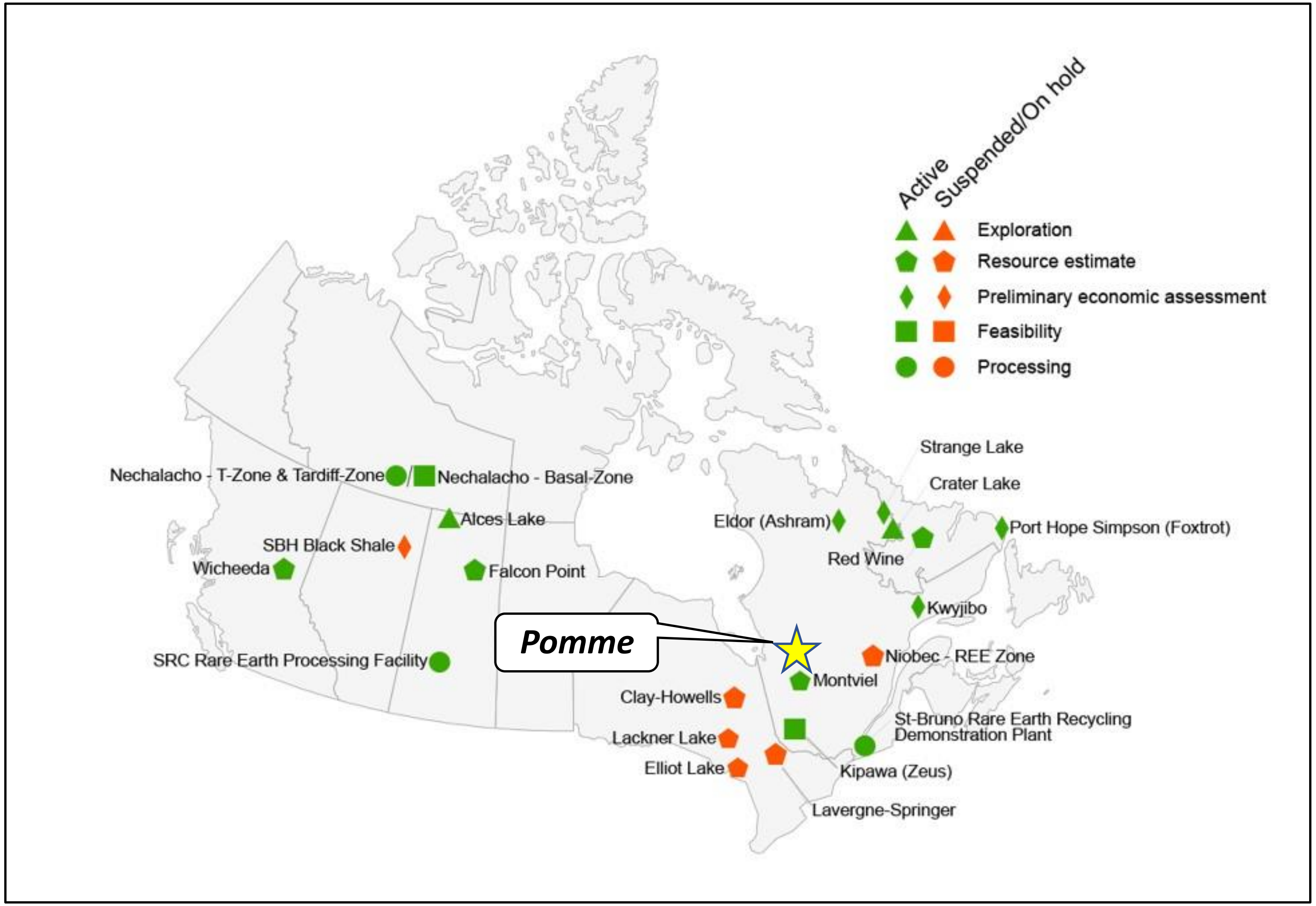
- Initial program of 10 diamond drill holes for ~5,000 m
- Evaluation of geology across carbonatite complex and contained mineralisation
- Permit obtained from MRNF
- Contract signed with experienced local drilling company
- Liaising with CFNW
- Camp established
- Commencing imminently




Airborne magnetic survey image of the Pomme Project area (TMI 1VD, Geoimega) showing proposed drill hole locations

# REE in Canada

## Numerous projects in operation and at feasibility / development stage




Rare earth element projects in Canada (Natural Resources Canada)

- Canada has numerous REE projects at various stages of development
- REE and Nb identified as "critical minerals" in government strategy
- Pomme and Montviel could be rapidly advanced to PEA or Feasibility studies
- Numerous commercial assay & metallurgical laboratories
- Specialised mineral industry R&D through groups such as Corem and SRC
- Supportive, mining-friendly federal and provincial governments
- Process for First Nations involvement with developments
- Modern and strong permitting and environmental standards

# East Laverton Project Overview

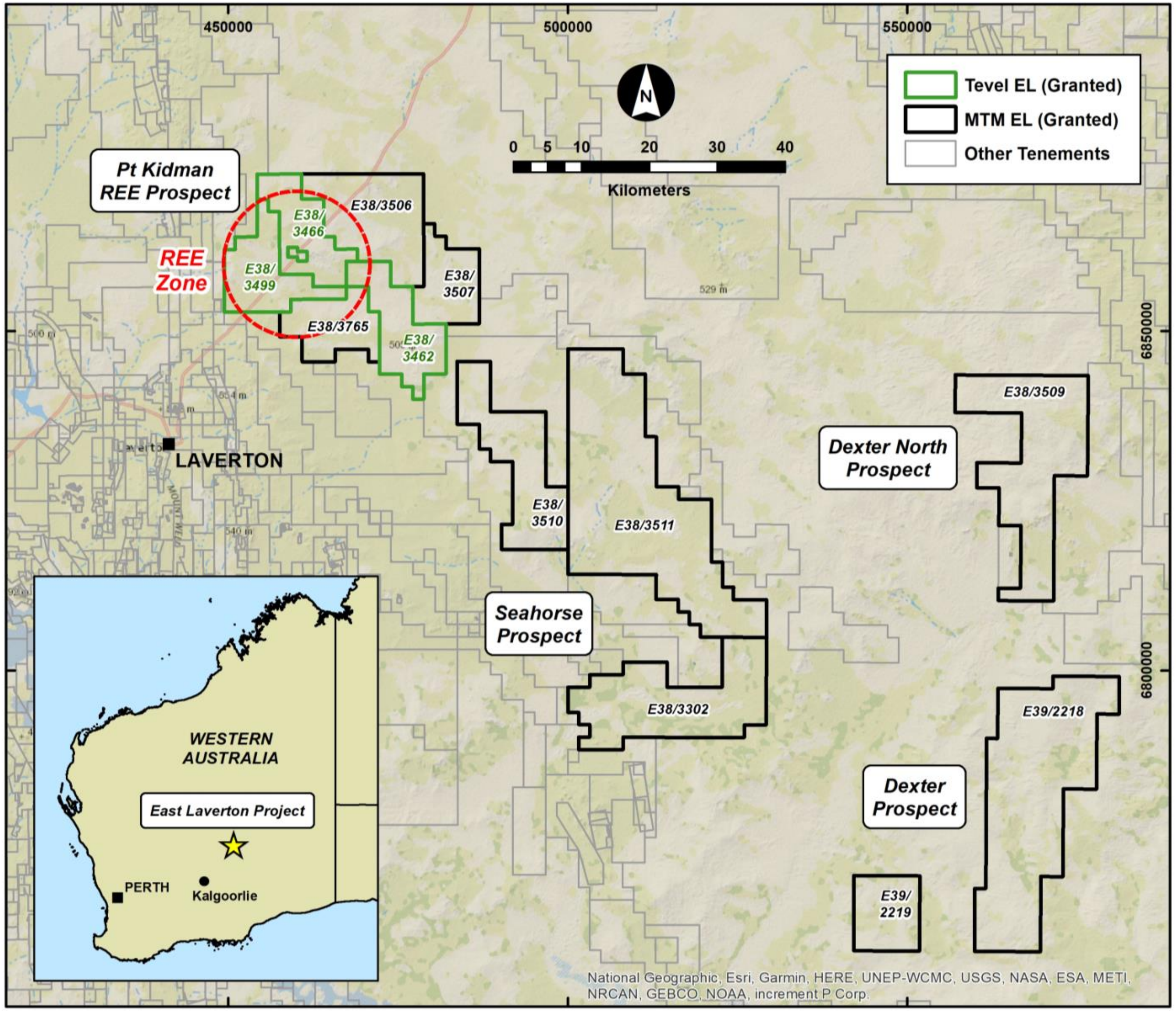
## District-scale REE project

- Large tenement holdings in historical mining district
- Prospective for REE, nickel and gold - largely untested by previous explorers due to extensive cover and interpreted endowment
- Good access and mining infrastructure
- MTM has been actively exploring since 2021 with soil geochemistry and drilling – defined multiple target areas
- Extensive aircore and RC percussion drilling program recently completed:
  - **Further evaluation of clay-hosted rare earth element (REE) mineralisation at Pt Kidman prospect area**
  - **First-pass drill test of nickel and gold targets at Seahorse prospect area**
- Metallurgical test work required to characterise the REE mineralisation
- Focus on discovery of REE resource(s) with the right size, grade, continuity, element "basket" and processing characteristics

# East Laverton

## Strategic location in NE Goldfields

- Prolific mineral region with major operating mines around Laverton, 360km northeast of Kalgoorlie
- Total area of ~3,500km$^2$ comprising 12 granted ELs
- Greenfield exploration targets for REE, gold, nickel, base metals, & lithium
- Sparsely explored because of the lack of outcrop and the traditional interpretation of unmineralised granites
- Geological and magnetic interpretation indicates prospective greenstone inliers

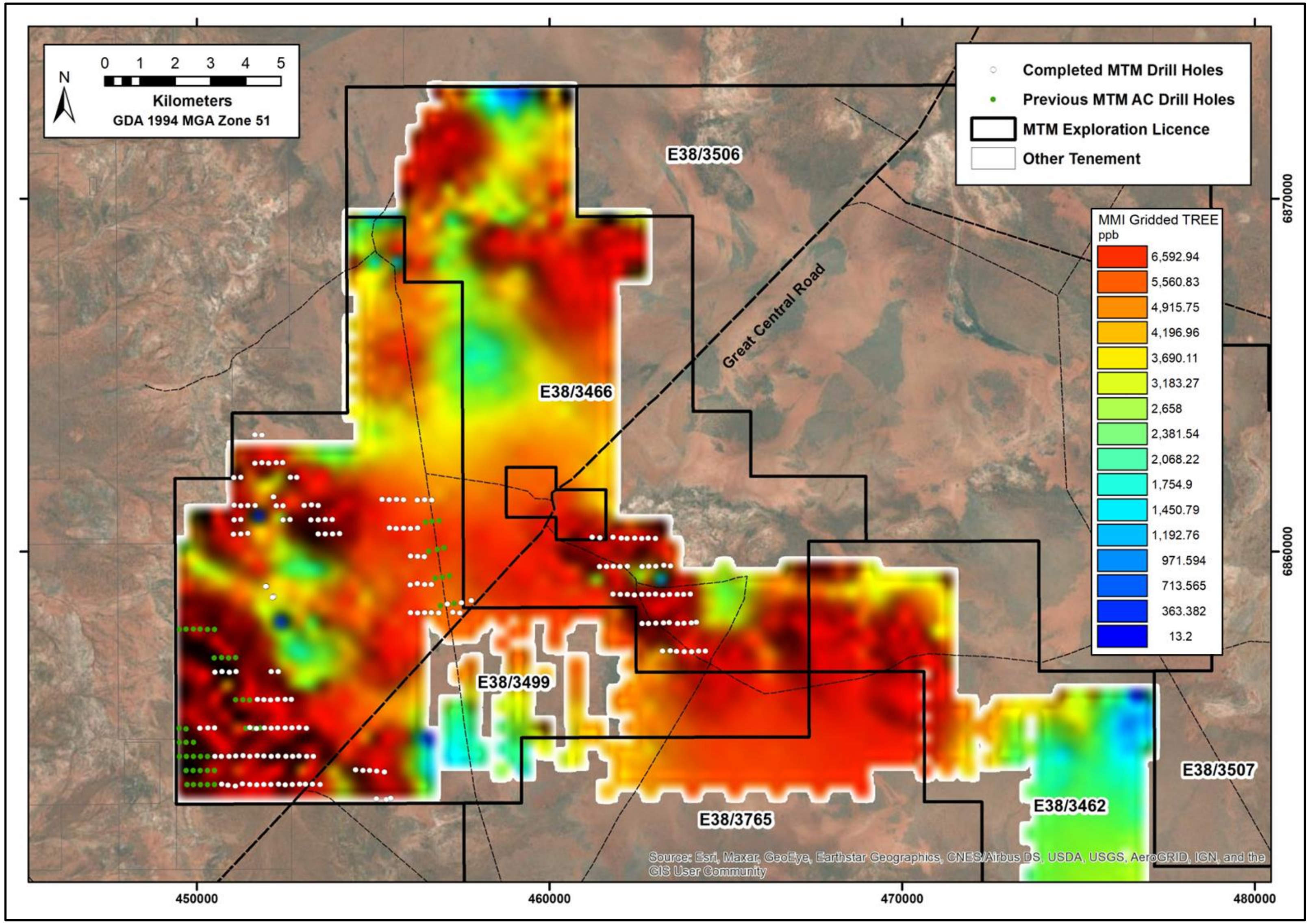



East Laverton project tenement status and prospect areas

# Pt Kidman Prospect

**In excess of 200 km² prospective for REE mineralisation**

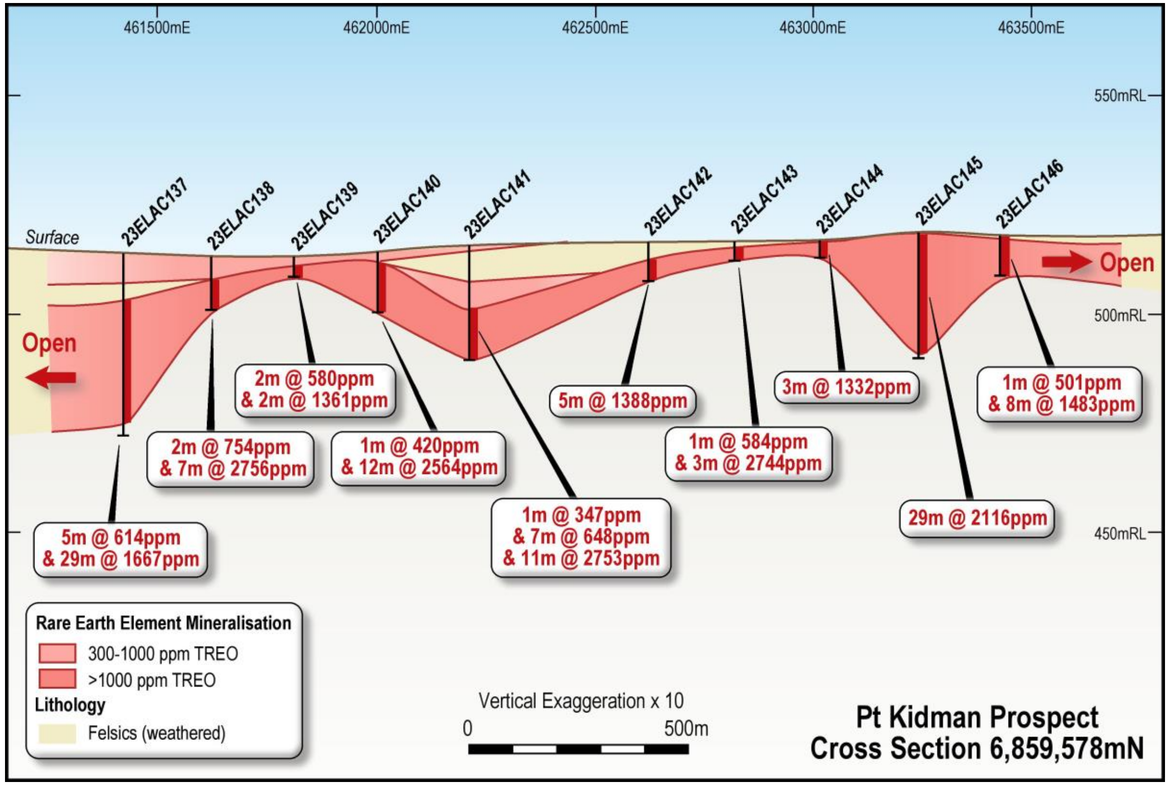
- Broad zones of clay-hosted REE mineralisation identified by soil sampling and limited drilling
- Heritage clearances for drilling obtained December 2022
- Aircore drilling program completed February 2023
- Infill and extension of known zones of REE mineralisation
- Assay results show new zones of REE mineralisation over large areas
- Metallurgical test work program to be undertaken
- Further soil sampling and more drilling planned over prospective area




Gridded surface TREE geochemistry image at the Point Kidman prospect, showing the location of previous and recently completed drilling

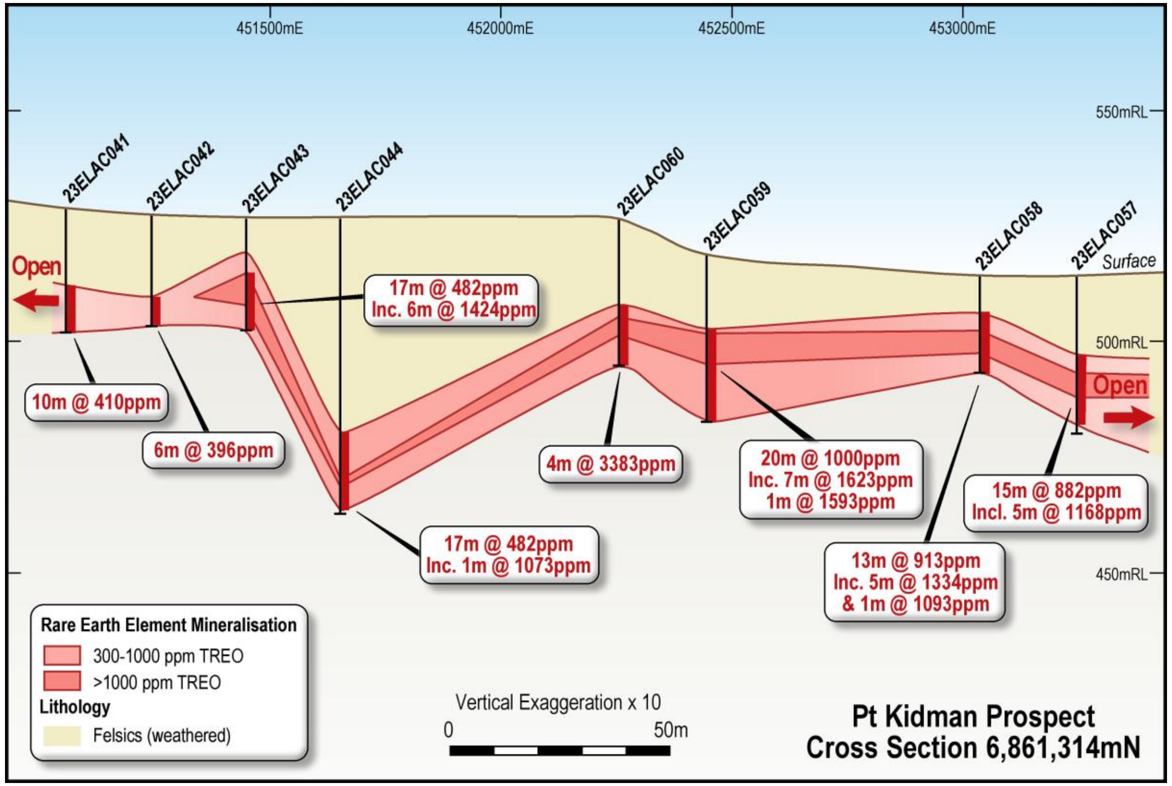
# Pt Kidman REE results

## Numerous projects in operation and at feasibility / development stage




Pt Kidman Prospect aircore drilling REE results

Pt Kidman Prospect aircore drilling REE results



# Seahorse Prospect

**Nickel and gold targets in poorly explored terrane**

- Near total cover by transported sediments.
- Nickel targets based on MTM soil geochemistry and geophysical interpretation
- Heritage clearances for drilling obtained December 2022
- Aircore drilling program completed February 2023
- Assay results show new nickel laterite discovery
- Grade, thickness and continuity indicate potential for a significant resource

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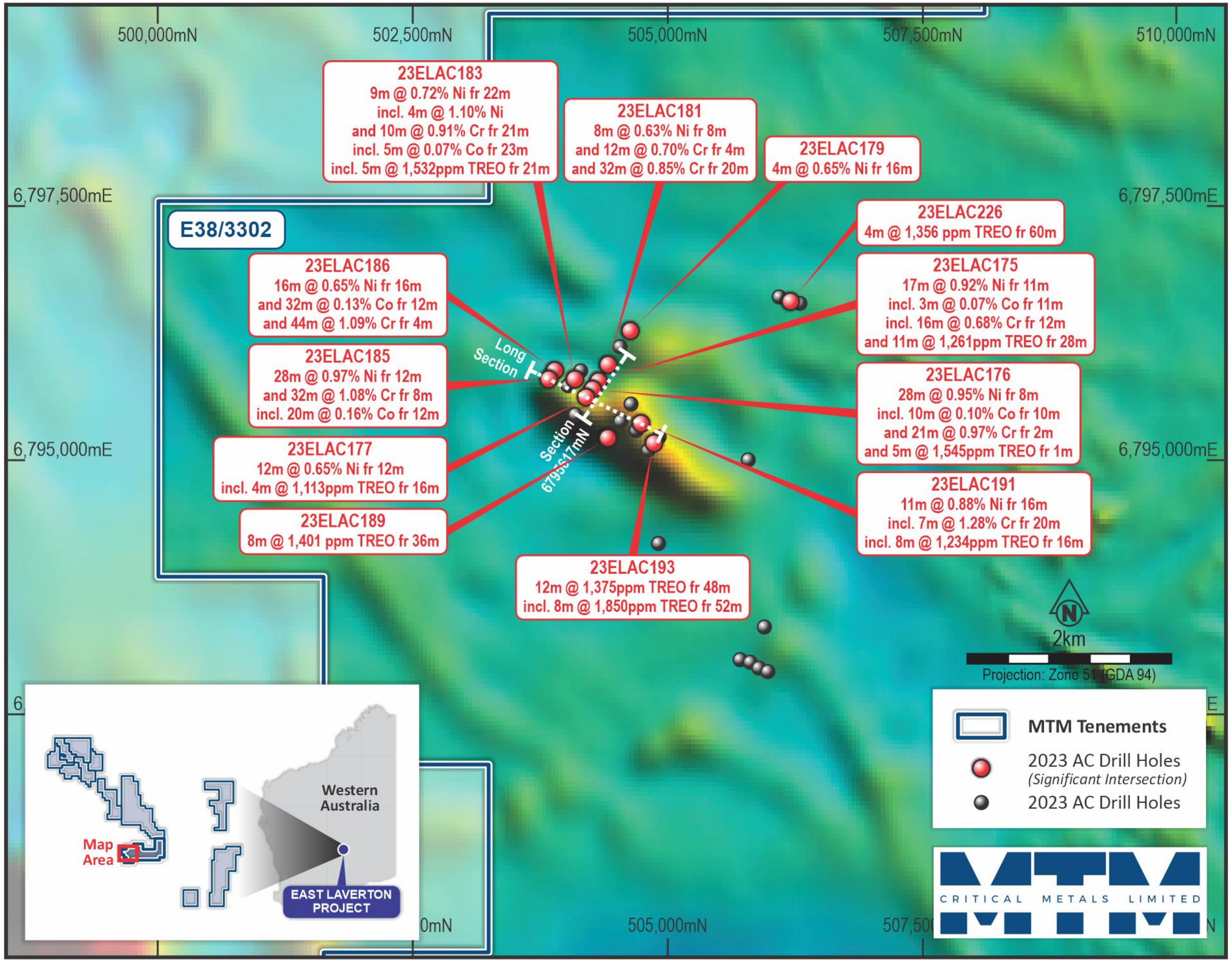
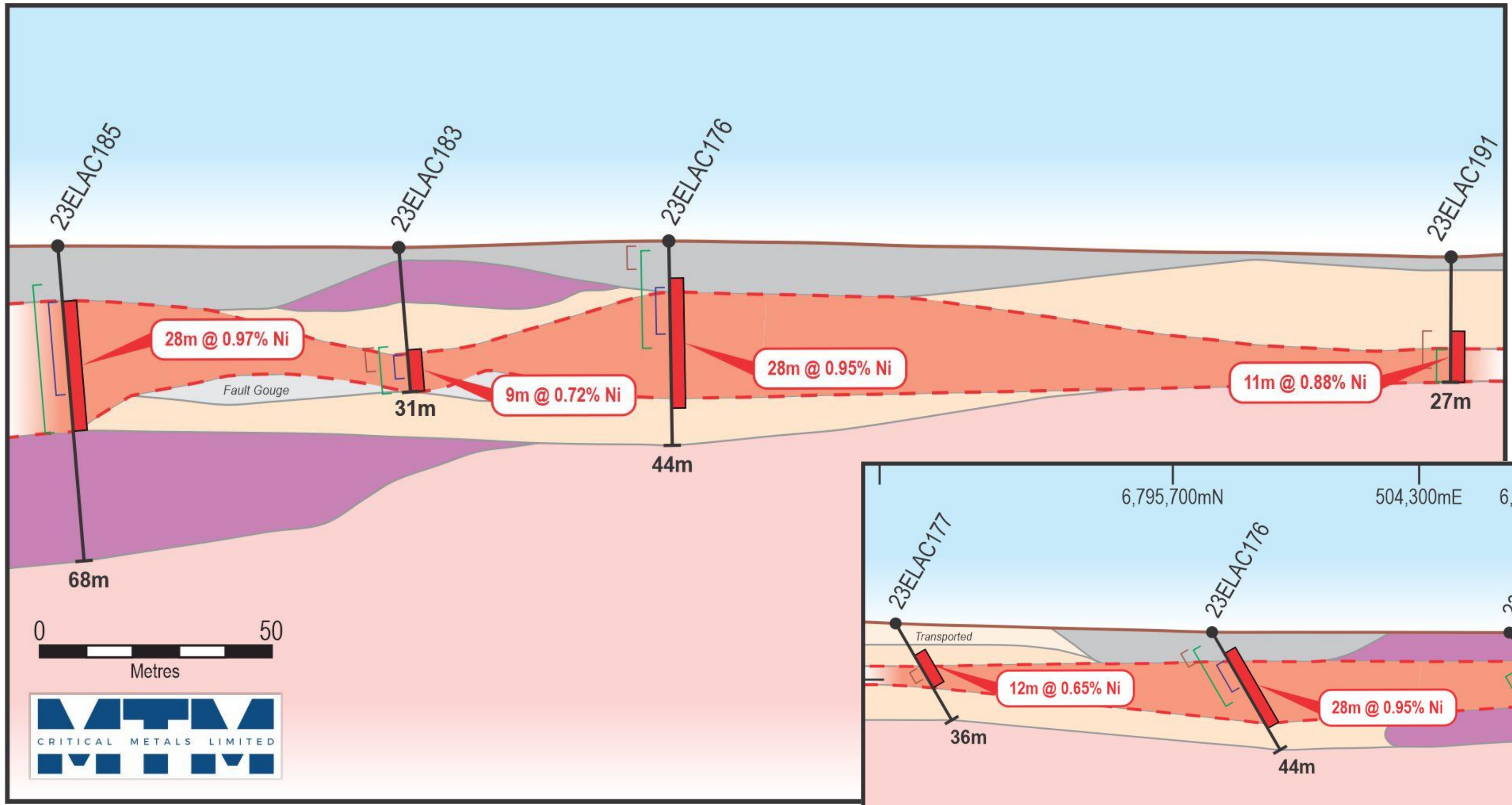


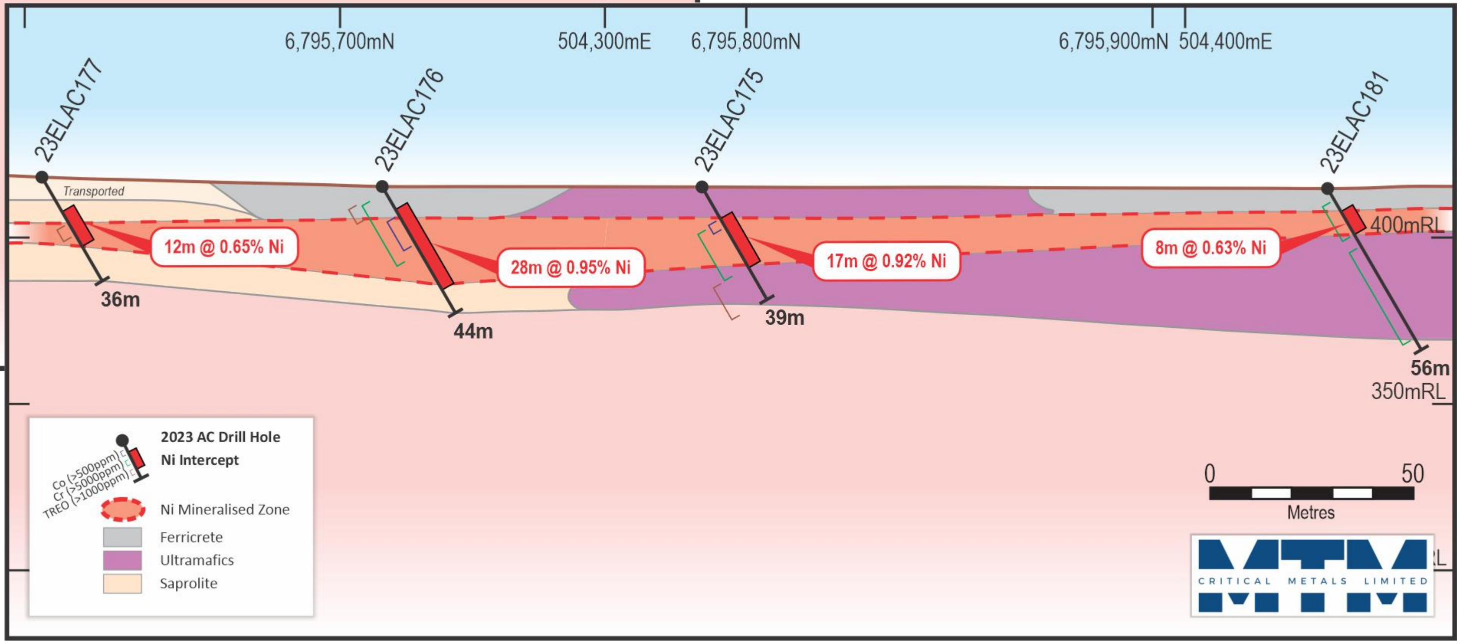
Airborne magnetic image (TMI, GSWA) over the Seahorse prospect, showing the location recently completed drilling

# Seahorse laterite nickel

## Thick, continuous zone of nickel – cobalt – chrome mineralisation

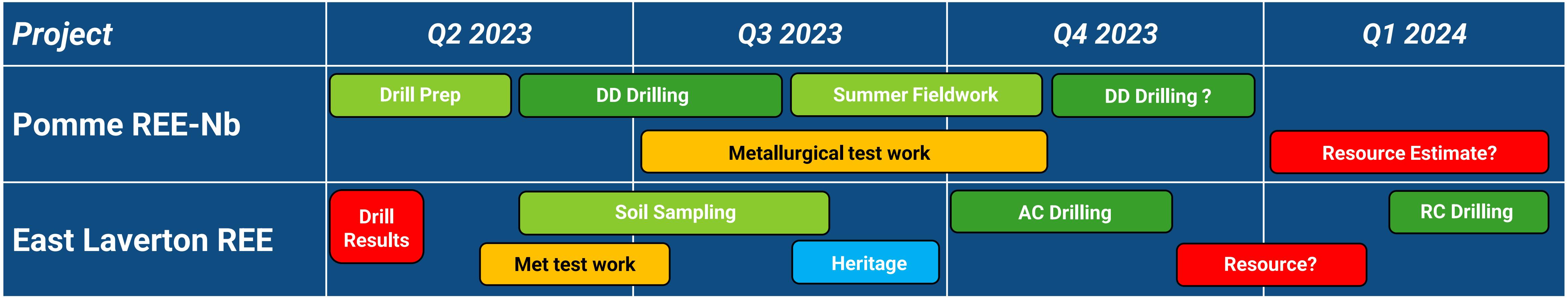



Seahorse Prospect Ni laterite long section




Seahorse Prospect Ni laterite cross section

# Proposed Exploration Program




AC – Aircore, RC – Reverse Circulation percussion, DD – Diamond
Program timing is indicative only and subject to change due to statutory approvals, heritage clearances and dependent on results or prior results

## Priorities:

- Drilling for discovery in WA and Canada
- Pomme drilling to evaluate the grade, extent and continuity of REE-Nb mineralisation (2023 - 2024)
- Collect samples for metallurgical test work programs
- Delineate resources

# Corporate Overview

## Capital Structure

| | |
|---|---|
| Share Price (19/04/2023) | **$0.125** |
| Shares on Issue (MTM) | **98.4 M** |
| Listed Options (MTMO) | **52.8 M** |
| Unlisted Options | **10.3 M** |
| Performance Rights | **1.2 M** |
| Market Capitalisation (undiluted) | **$12.3 M** |
| Cash (approx.) | **$3.0 M** |
| Debt | **Nil** |

## Major Shareholders

| | |
|---|---|
| Board & Management | **11.3 %** |
| Top 20 (excluding B & M) | **32.9 %** |
| Other | **55.8 %** |

# Board & Management Team

## Board of Directors

### John Hannaford
**Non-Executive Chairman**
CA, B.Com, F.Fin

- 25 years experience in resources and financial sectors
- Highly experienced in executive and non executive roles, corporate advisory, directorships, IPOs, RTO and funding

### David Izzard
**Non-Executive Director**
CPA, MBA, GAICD, B.Bus, M.Sc

- 20 years experience in the resources and finance industry
- Highly experienced Director, extensive skills in all aspects of financial, commercial and corporate activities

### Lachlan Reynolds
**Managing Director**
BSc (Hons), MAusIMM, MAIG

- Geologist with more than 30 years involvement in mineral exploration, project feasibility and mining across multiple commodities.
- Experienced executive and senior manager for a number of ASX listed companies.

## Management Team

### Simon Adams
**CFO & Company Secretary**
BBus, MAcc

- Over 25 years of experience with listed (ASX and NASDAQ) and private companies in Australia.
- Experience in the areas of corporate and financial management, corporate compliance and business development.

### Antony Zebisch
**Exploration Manager**
BSc, Grad Dip Mining, MBA, MAusIMM

- Geologist with 20 years of experience in exploration and mining.
- Extensive experience operating in Western Australia.

### Michael Walshe | Mineral Processing Consultant
B.Eng. (Hons) Chem., MIEAust CPEng, MBA (Finance), MAusIMM

- 10 yrs Metso Outotec REE & lithium met process design

### Claudio Sheriff-Zegers | REE Exploration Consultant
BSc Minerals Exploration and Mining Geology, MAusIMM

- Ex Asra (ASX: ASR)
- Ex Northen Minerals (ASX:NTU)

# Statements

**Competent Person's Statement**

The information in this presentation that relates to Exploration Results is based on and fairly represents information compiled by Mr Lachlan Reynolds. Mr Reynolds is the Managing Director of MTM Critical Metals Limited and is a member of both the Australasian Institute of Mining and Metallurgy and the Australasian Institute of Geoscientists. Mr Reynolds has sufficient experience of relevance to the styles of mineralisation and types of deposits under consideration, and to the activities undertaken to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Reynolds consents to the inclusion in this report of the matters based on information in the form and context in which they appear.

**Previous Disclosure**

The information in this presentation is based on the following MTM Critical Metals Limited ASX Announcements, which are available from the MTM Critical Metals website www.mtmcriticalmetals.com.au and the ASX website www.asx.com.au:

- 22 December 2022 "Heritage Survey Successfully Completed Over Key REE and Gold Targets at the East Laverton Project"
- 20 January 2023 "Drilling Program Commences at East Laverton Project to Test REE and Gold Targets"
- 23 February 2023 "Mt Monger to Acquire Advanced Carbonatite REE-Nb Project in Canada"
- 28 February 2023 "$3 Million Placement to Fund Pomme REE-Nb Project Exploration"
- 9 March 2023 "Pomme REE-Nb Project Option Agreements Exercised"
- 14 March 2023 "Drilling Program Completed at East Laverton REE, Nickel and Gold Targets"
- 29 March 2023 "Countdown to Diamond Drilling Program at Pomme REE-Nb Project"
- 17 April 2023 "Permit for Diamond Drilling Approved at the Pomme REE-Nb Project, Quebec"
- 24 April 2023 "Diamond Drilling Contractor Secured for the Pomme REE-Nb Project, Quebec"
- 1 May 2023 "Company Name Change"
- 9 May 2023 "Drone Magnetic Survey Completed at the Pomme REE-Nb Project"
- 15 May 2023 "Drilling Confirms Further Rare Earth Element Mineralisation and Increased Potential at East Laverton"
- 19 May 2023 "Laterite Nickel Discovery at East Laverton"

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are represented have not been materially modified from the original market announcement.

# Contact Details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