



29 July 2024

## OPPORTUNITY TO ACQUIRE COPPER, BASE METAL, GOLD ASSET IN YILGARN CRATON

NT Minerals Limited ('NTM' of 'the Company') is pleased to announce that it has entered into an agreement for an exploration and ownership opportunity in the Archaean Yilgarn Craton of Western Australia.

The agreement with 10M Pty Ltd presents a low-cost opportunity to acquire an asset covering an entire Greenstone belt, which is considered prospective for Copper, Lead, Zinc, and Gold mineralisation.

### KEY POINTS

- **Twin Peaks Project located in the Murchison Province of the Archaean Yilgarn Craton.**
- **Project covers the entire Twin Peaks Greenstone Belt, with stratigraphy analogous to the Golden Grove Cu-Zn-Pb-Ag-Au deposit.**
- **Historical mining recorded high-grade copper ~16% Cu.**
- **Recent activity included a trial mining program focused on iron ore potential within excised mining lease.**

**NTM Managing Director Rodney Illingworth commented:** *"The agreement with 10M provides an exciting opportunity for the Company to explore for copper and other minerals in the mid-west of WA with a very low entry cost. We will review historical studies and commence fieldwork to validate this historical work."*

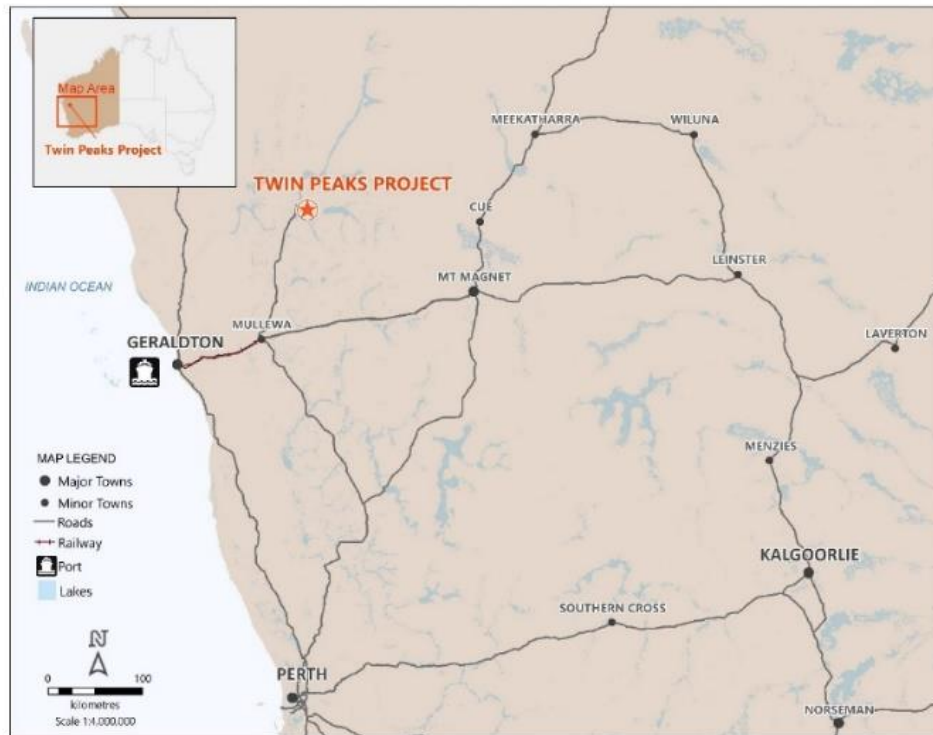


Figure 1: Twin Peaks – Project Location Plan.

**Background:**

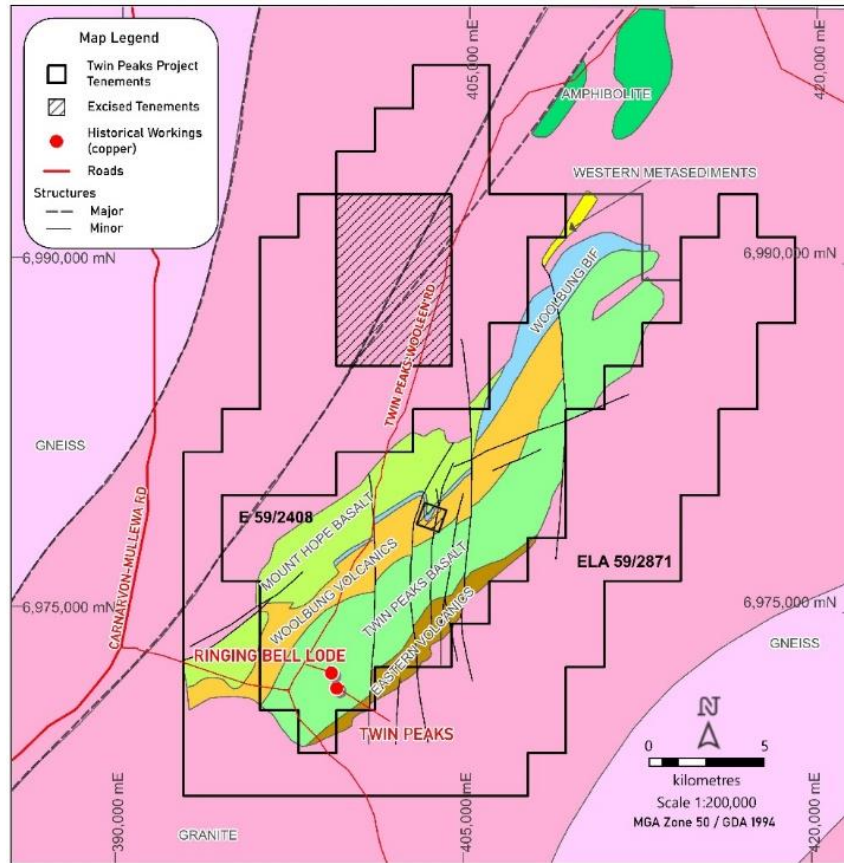
The Twin Peaks Project is 520km north of Perth and approximately 200km northeast of Geraldton (Figure 1). The opportunity comprises one granted exploration licence (EL59/2408) and one exploration licence application (ELA59/2871), one mining lease (M59/768) and one miscellaneous licence (L59/202), covering 500km<sup>2</sup>. The tenements overlie the known extent of the Twin Peaks or Illimbirrie Greenstone Belt, which extends approximately 33 km along a northeast trend.

Between 1906 and 1960, historical copper production within the belt is recorded as totalling 85 tonnes of copper, averaging 16% copper, derived from small mines, predominantly the Twin Peaks Main Shaft and Ringing Bell Lode, to depths of approximately 100 feet (~ 30 metres)<sup>1</sup>.

Previous explorers describe the stratigraphy observed within the project as analogous to stratigraphy hosting the Golden Grove Cu-Zn-Pb-Ag-Au deposit, located 200 kilometres to the south-southeast. The stratigraphy at Twin Peaks comprises three west-dipping and facing volcano-sedimentary sequences separated by two basalt sequences, with the entire sequence from east to west comprised of Eastern Volcanic Sequence, Twin Peaks Basalts, Woolbung Volcanic Sequence, Mount Hope Basalts and Western Sedimentary Sequence (refer Figure 2).

1. Baxter, J.L., 1974.

*1:250,000 Explanatory Notes MURGOO (Geological Sheet SG50-14), Geological Survey of Western Australia.*



**Figure 2: Twin Peaks – Project Geology Plan.**

Three companies conducted the majority of base metal exploration from 1979 through to 2011. The activities targeted Golden Grove-style Volcanic-Hosted Massive Sulphide ("VHMS") mineralisation and are summarised below:

Amoco Minerals Australia Company (1979 - 1985) activities included mapping, aeromagnetic survey, "Input" EM survey, RAB drilling, and diamond drilling of selected EM targets.

Poseidon Exploration Limited's (1990 - 1994) activities included moving loop and fixed loop EM surveys, aeromagnetic surveys, surface geochemical sampling, RAB, RC, and diamond drilling of selected targets.

Jabiru Metals Limited's activities (2005 - 2011) included aeromagnetic surveys, regional soil surveys, VTEM surveys, and RC drilling of select VTEM targets.

Data generated from this catalogue of work is not readily available, and the Company is endeavouring to source it.

Since 2012, the exploration focus over the project area changed to Fe-ore potential within the Woolbung BIF initially by Trafford Resources Limited (2012 - 2014) and more recently by private company 10M (2020 - 2024), which conducted a trial mining program.

### Next Steps

The Company is actively seeking to identify and compile all historical exploration completed over the project area, including the integration, processing and interpretation of geochemical and geophysical datasets. The Company is also planning to undertake reconnaissance fieldwork to validate historical results.

### Major Terms of Agreement

- Exclusive Term – 12 months, extendable at NT Minerals Option
- Exclusive rights to all minerals discovered during exploration (excluding Fe-ore on M59/768)
- \$25,000 (annual rent and fees) payable for direct Interest of 50% in all licences (post release of existing encumbrance's).
- Right of First Refusal on any disposal by 10M
- NTM responsible for all tenement rents, fees, etc, during the term of the agreement

**-ENDS-**

This announcement was approved and authorised for issue by the Board of NT Minerals.

### Investor Enquiries

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### Competent Person's Statement

The information provided in this announcement is based on, and fairly represents, information compiled by Mr Greg Wilson, a Member of the Australian Institute of Mining and Metallurgy. Mr Wilson is a Consulting Geologist providing services to NT Minerals Limited. He has sufficient experience, which is relevant to the style of mineralisation and type of deposits under consideration and to the activity he is undertaking, to qualify as a Competent Person as defined in the 2012 edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Wilson consents to the inclusion of the matters based on his information in the form and context in which it appears.

### Disclaimer

This announcement contains certain forward-looking statements. Forward-looking statements include but are not limited to statements concerning NT Minerals Limited's ('NTM's) planned exploration program and other statements that are not historical facts, including forecasts, production levels and rates, costs, prices, future performance or potential growth of NTM, industry growth or other trend projections. When used in this announcement, the words such as "could", "plan", "estimate", "expect", "intend", "may", "potential", "should", and similar expressions are forward-looking statements. Such statements are not a guarantee of future performance and involve unknown risks and uncertainties, as well as other factors which are beyond the control of NTM. Actual results and developments may differ materially from those expressed or implied by these forward-looking statements depending on a variety of factors. Nothing in this announcement should be construed as either an offer to sell or a solicitation of an offer to buy or sell securities.