8 August 2024

MAIDEN FIELD PROGRAM CONDUCTED AT TWIN PEAKS PROJECT

NT Minerals Limited ('**NTM**' of 'the **Company**') is pleased to announce that it has completed its maiden field reconnaissance program of the Twin Peaks Project located in the Murchison Province of the Archaean Yilgarn Craton.

KEY POINTS

- **Reconnaissance Program investigated historical base metal prospects and the strike extensive Woolbung BIF stratigraphy.**
- **15 Rockchip samples submitted for analysis**
- **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.**

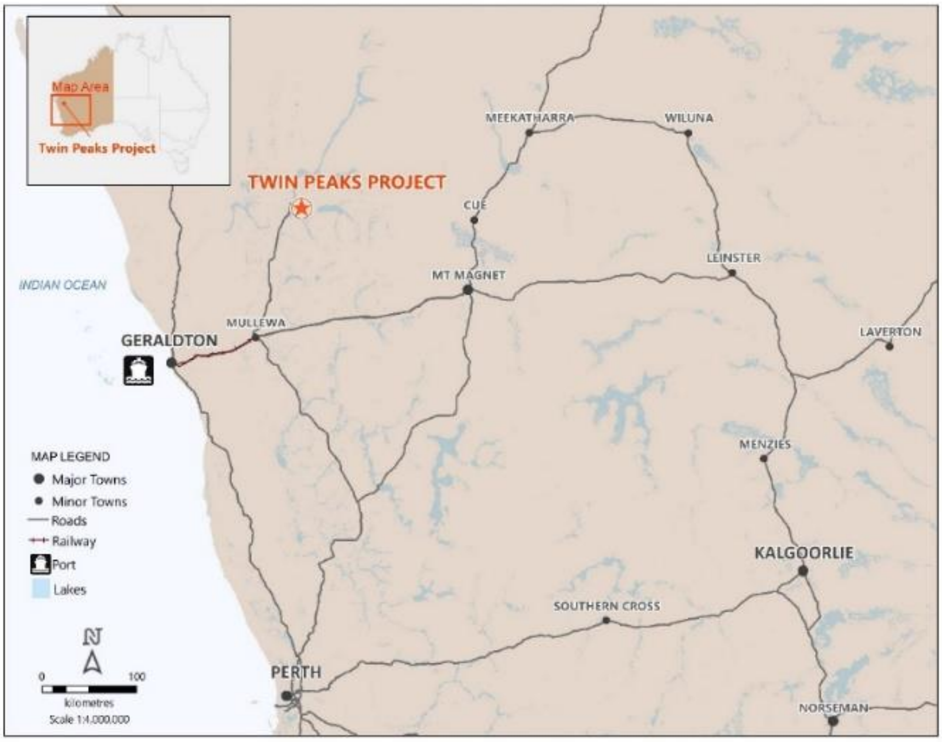

Figure 1: Twin Peaks – Project Location Plan.

NTM Managing Director, Mr Rodney Illingworth commented:

"The first field trip to the Twin Peaks project was a chance to get some first-hand information and gather rock chip samples for testing. Once we receive the assay results, we will plan another field trip to help us develop our exploration strategy for the area."

The Twin Peaks Project, located 520km north of Perth and 200km northeast of Geraldton, comprises four tenements covering an area of 500km^2. The tenements overlie the known extent of the Twin Peaks or Illimbirrie Greenstone Belt, which previous explorers have described as having stratigraphy analogous to lithologies hosting the Golden Grove Cu-Zn-Pb-Ag-Au deposit located 200 kilometres to the south-southeast.

The successful field reconnaissance program enabled the Company's geologist to familiarise with the project and prospect areas, conduct rock chip sampling over some of the many prospect areas to validate historical results, undertake confirmatory checking of the location of some historical drill holes and establish contact with one of the stakeholders in the region, the owner of Wooleen Pastoral Station.

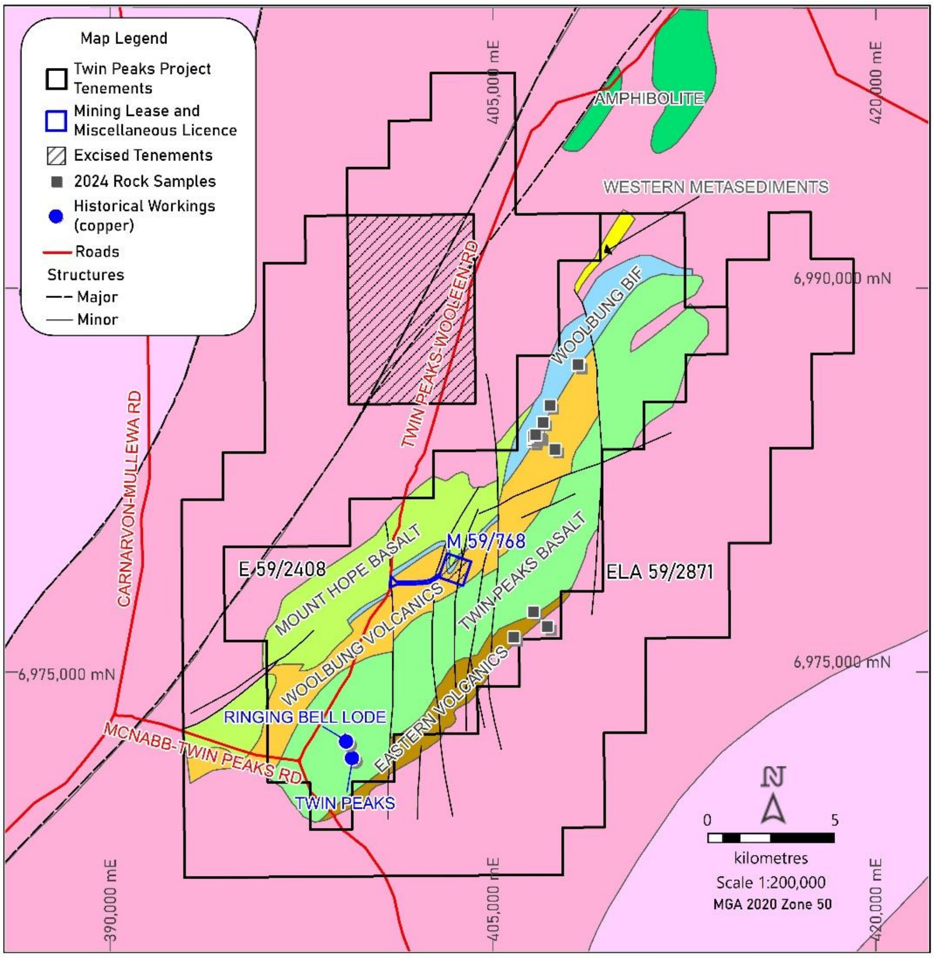

Figure 2: **Twin Peaks – Project Geology Plan.**

Base Metal Observations

One notable observation from the historical base metal exploration area within the Eastern Volcanic stratigraphic sequence was the presence of reasonably recent significant surface mining activities, with one area covering some 3,500 square metres. These activities generally involve bulldozing or "pushing" the near-surface material to allow metal detecting for gold. Anecdotally, gold was reported to have been recovered from beneath a near surface "laterite".

Figure 3 shows one of these mined areas, which are located near the greenstone/granite contact. Historical surface soil sampling was conducted across these areas but only recorded low-order gold values of 1 to 2 ppb. The implication from an exploration viewpoint is that the observed "laterite" may have masked the underlying bedrock geochemistry from surface sampling techniques, rendering historical surface sampling "ineffective" for exploration. This is not uncommon, as a Permian-age ferruginous hard-pan is commonly observed throughout the Murchison District, and modern explorers are developing techniques to explore these areas.

Further field investigation will involve regolith mapping to determine the extent and characteristics of the laterite development and determine how much of the historical surface sampling can be considered an effective test of the areas prospectivity.

Figure 3: **Twin Peaks Project – surface mining activity with laterite in the foreground.**

Fe-Ore Observations

Since 2012, exploration within the project targeted Fe-ore potential within the laterally extensive (+20 kilometre) Woolbung BIF and stratigraphically analogous to the Windaning Formation observed throughout the Murchison Province. The Windaning Formation is host to economic iron ore deposits e.g. Jack Hills, Mount Gibson, Weld Range and Tallering Peak.

The Woolbung BIF consists of interbedded jaspilitic banded iron, felsic volcaniclastic sediments, tuff and minor volcanics with intense folding (refer to Figure 4-5) of the sequence result in local thickening of the prospective BIF units.

Previous explorers targeted high-grade DSO hematite ore potential along the +20-kilometre strike extent of the Woolbung BIF, NTM is reviewing this work in conjunction with gold and base metal prospectivity.

Figure 4: **Typical View of Woolbung BIF area in the NE portion of E59/2408.**

Figure 5: **Woolbung BIF outcrop in the NE portion of E59/2408.**

Next Steps

The Company continues to identify and compile all historical exploration completed over the project area, including integrating, processing, and interpreting geochemical and geophysical datasets. While this work is ongoing, the Company will also undertake field-based activities to investigate areas of interest.

-ENDS-

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

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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.

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