

21 August 2024

ASX Release

EXPLORATION UPDATE LENNON'S FIND PROJECT

HIGHLIGHTS

Lennon's Find -

- IP Survey to be undertaken in September 2024 to fully define historical IP anomaly.
- Heritage Agreement signed.
- Heritage Clearance at Lennon's Find to be undertaken in late August 2024.
- Drilling programme planning to be finalised following IP survey

Orange Minerals NL (ASX: OMX) ("Orange" or "the Company") is pleased to announce that it will soon commence an IP survey at the Lenlons Find project near Marble Bar in the Pilbara.

Commenting on the exploration programme, Managing Director of Orange David Greenwood said:

"We are extremely excited to be commencing detailed field work at the Lennon's Find project. Following the recent signing of a Heritage Agreement at Lennon's Find, we now look forward to extending the historical 2018 IP survey at the Project which highlighted a strong IP anomaly at depth below the existing Resource"

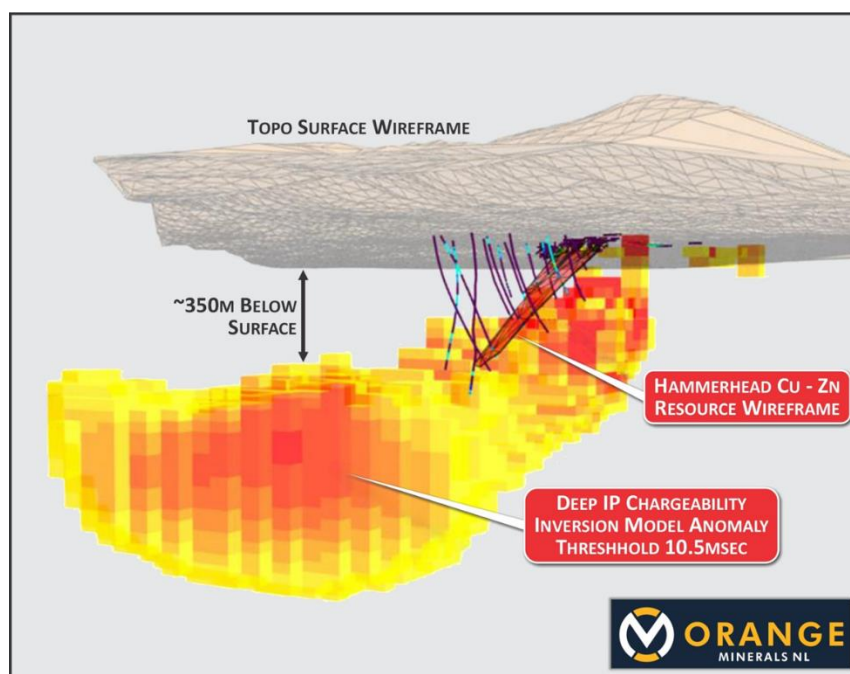


Figure 1 – Historical IP survey Lennon's Find



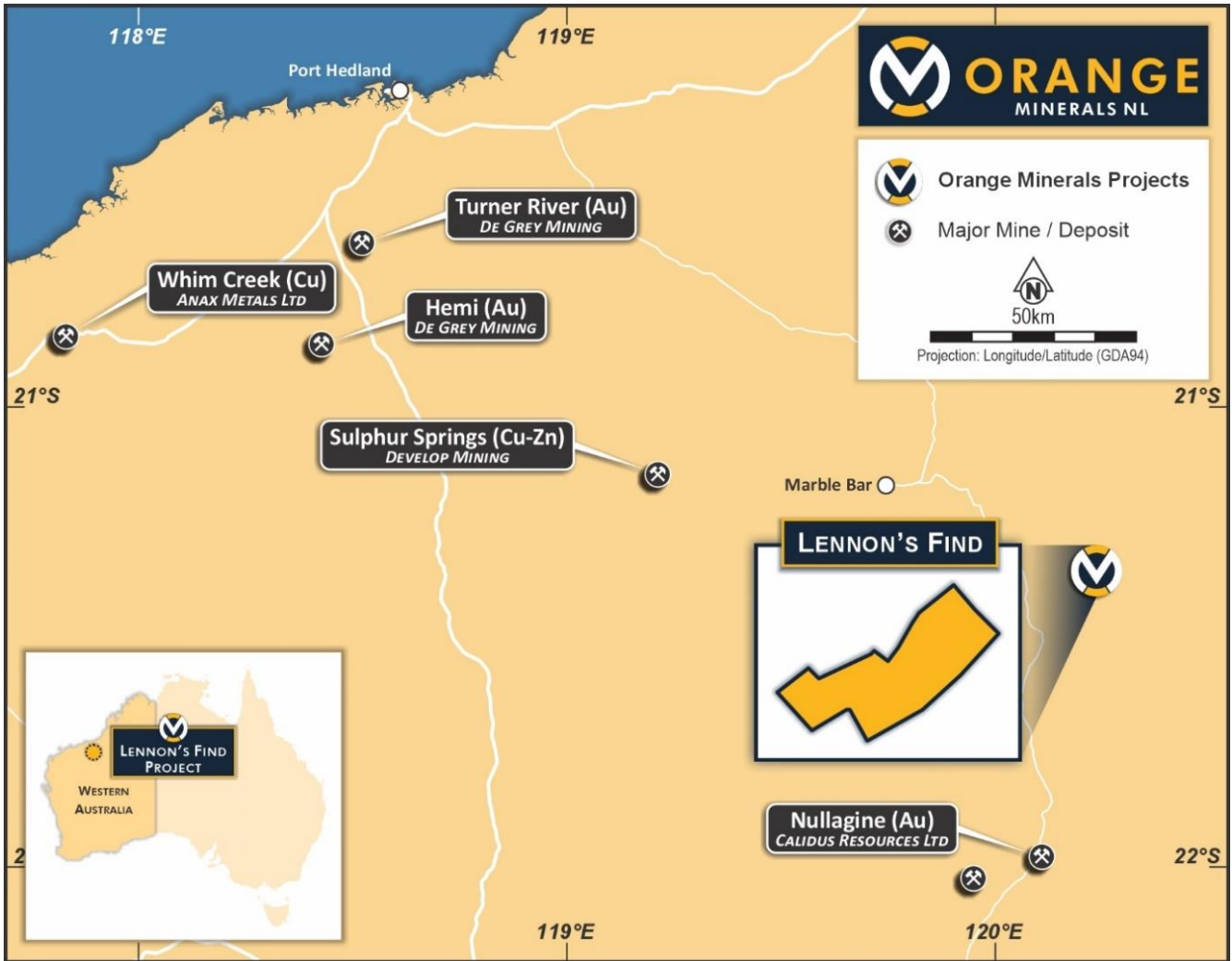


Figure 2 – Location Map of Lennon's Find Project

Background Lennons Find

In August 2023 a binding term sheet was entered into with Musketeer Mining Ltd, to acquire up to a 75% share in the Lennon's Find Polymetallic Project 75km south-east of Marble Bar in the Pilbara region, WA (Figure 1). Lennon's Find includes a Mining Lease with an Inferred Mineral Resource of 1.55 Mt at 5.9% zinc, 0.2% Cu, 1.6% Pb, 0.28 g/t Au, and 84g/t Ag (Optiro 2019).

Orange can earn 51% of the Lennon's Find Project (M45/368) by spending A\$500,000 by 31 March 2026 (which included an upfront payment of A\$200,000). Orange must spend a minimum of \$200,000 on exploration at Lennon's Find by 31 January 2025. Orange may earn up to 75% of the Lennon's Find Project by spending an additional A\$500,000 (A\$1.0 million in total) by 31 March 2028.



Recent Developments Lennon's Find & work planned

A Heritage Agreement over Lennon's Find was recently signed with the Nyamal Aboriginal Group. A Heritage clearance survey is planned to take place at the end of August 2024.

In 2023 an independent geophysical consultant conducted a review of the historical Lennons Find geophysical data. To fully confirm and better define historical anomalies, the consultants recommended that a new IP survey be commissioned to extend the IP lines over the mineralised zone and to survey a second IP line to the south-west.

Planning for an IP survey has been finalised and the survey is forecast to be completed in early September 2024. The IP survey is planned to better define drill targets underneath the existing Resource prior to drilling.

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

-ENDS-

About Orange Minerals NL

Orange Resources NL is an exploration company listed on the ASX (ASX: OMX) with Australian-based projects in the Lachlan Fold Belt (LFB) of NSW and Eastern Gold Fields and Pilbara in WA, all world-class mineral provinces. The LFB of NSW hosts major mines including Cadia/Ridgeway, North Parkes and Lake Cowal and the tenements in the Eastern Goldfields of WA are close to the Daisy Milano gold mine and Black Cat Resources Majestic Project. The Orange Minerals exploration team plan to rapidly explore its tenement packages with aggressive exploration programmes at its key properties. The company is currently focussing on the Calarie & Wisemans Creek gold/base metal Projects in NSW, the Majestic/Kurnalpi gold, the Lennon's Find Base Metal and the Mulga Rocks Uranium/Critical Minerals Projects in WA.

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Competent Persons Statement

The information in this report that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Phil Shields, a Competent Person who is a Member of the Australian Institute of Geoscientists. Mr Shields is an employee of Orange Minerals NL and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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 Shields consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Forward Statement

This release includes forward – looking statements which involve a number of risks and uncertainties. These forward-looking statements are expressed in good faith and believed to have a reasonable basis. These statements reflect current expectations, intentions or strategies regarding the future and are based on current assumptions. Should one or more of the uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary from the expectations, intentions and strategies described in this announcement. No obligation is assumed to update forward looking statements if these beliefs or opinions should change.

