

6 August 2024

## ASX RELEASE

# Multiple Mt Isa style Copper Targets Emerging at Osprey

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### Highlights

- Identification of multiple high-priority combined structural-stratigraphic targets with strong evidence of the prospectivity of large scale Mt-Isa-style epigenetic copper mineralisation.
- Detailed litho-structural interpretation completed over Osprey Project, highlighting favourable geology buried under cover.
- Planned fieldwork program aims to evaluate exposed bedrock geology in southern part of the Osprey tenure to project the target stratigraphic horizons under cover.
- Artificial Intelligence (**AI**) overlay and ground-based geophysical program currently in planning for Q4 2024 to refine and rank potential of these high-priority targets.

**Revolver Resources Holdings Limited (ASX:RRR)** (“Revolver” or the “Company”) is pleased to provide an update on exploration activities at its Osprey Copper Project in north-west Queensland.

### Revolver Managing Director, Pat Williams, commented:

*“This recently completed work has been a major knowledge advancement on the Osprey geology and Mt Isa Style copper prospectivity. Osprey is demonstrating high potential to be a genuine global scale discovery.*”

*“Across the broader Osprey Project, exploration programs to date have clearly identified permissive source rocks, structure, with evidence of large-scale hydrothermal copper-bearing fluids, sedimentary faults and traps and permissive host rocks – all the elements required to host a significant Mt-Isa Style copper deposit. This latest installment of our disciplined systematic work program has now guided us towards areas where all these elements occur in proximity, to our diamond drill campaign leading us toward an exciting Tier-1 copper discovery.*”

*“Guided primarily by proven prospective geology, in combination with Mira Geosciences independent AI-driven approach, we are now in the planning for phases of exploration to specifically generate drill-ready targets for later in the field season.”*

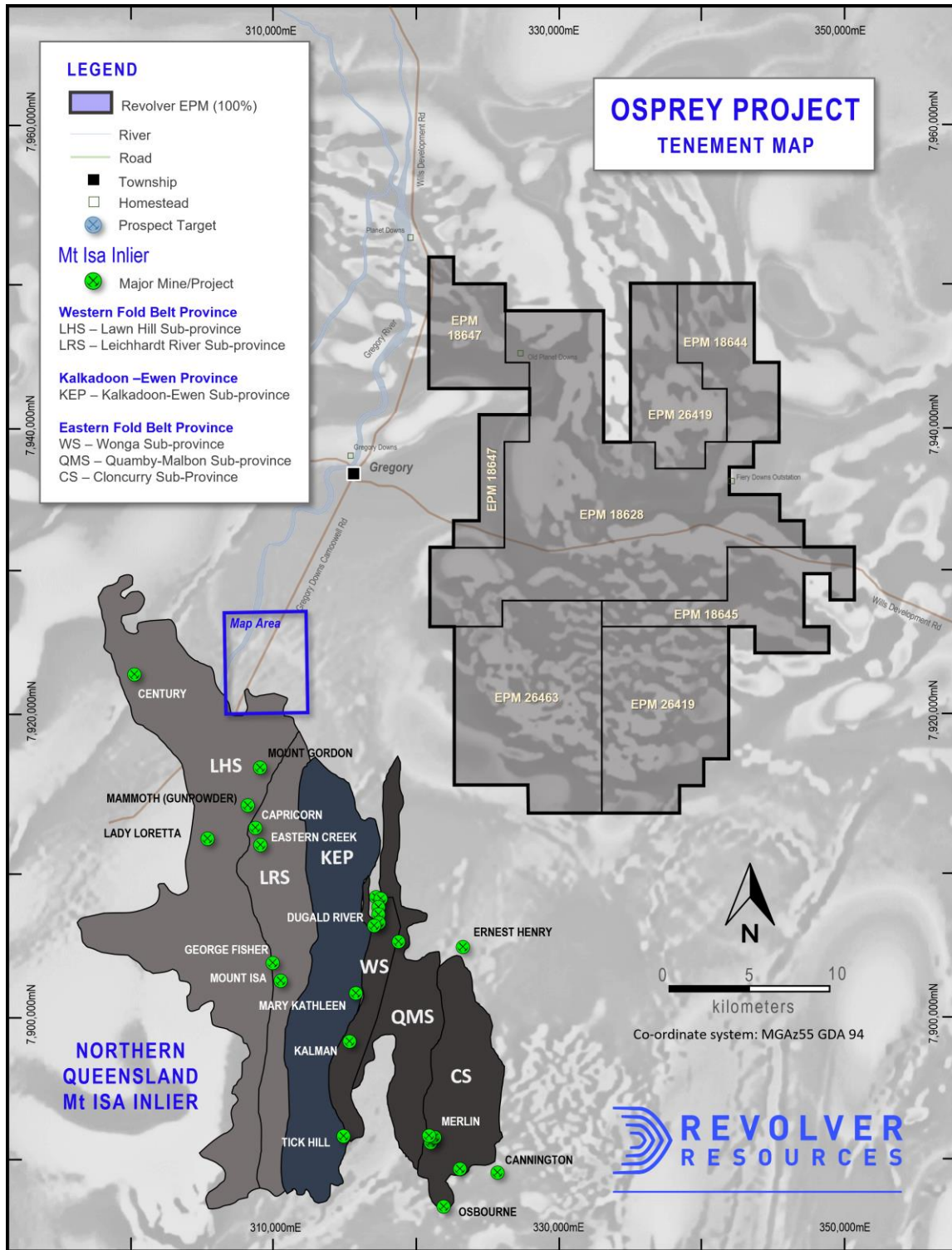


Figure 1: Osprey Project tenure.



## Structural-stratigraphic interpretation of evaluable geophysical data

Revolver has completed a detailed structural and stratigraphic interpretation of the Osprey Project area (see Figure 2 and structural-stratigraphic context below) using a combination of gravity<sup>1</sup>, IP<sup>2</sup> and EM data<sup>3</sup>, calibrated by outcropping basement geology to the south and our previous diamond drill intersections<sup>4</sup>.

This work has provided our exploration team with additional, high-value, multi-factor criteria, which was then fed into a revised targeting exercise undertaken over the Osprey tenure. 14 high-priority zones were identified from this exercise as being strong targets for Mt-Isa Style epigenetic copper mineralisation.

## Updated AI modelling to be overlaid

Artificial Intelligence<sup>4</sup> (**AI**) will now be further applied to the targeting criteria to generate an updated Mineral Prospectivity Index (**MPI**) for direct targeting.

## Detailed geophysical program in planning

Planning and design for a ground-based geophysical work program during Q4 2024 is also underway to test the various high-priority targets generated by the geological interpretation and planned AI modelling overlay. The purpose of this work program will be to define direct drill targets in the areas of the most prospective geology.

## ***Structural-stratigraphic interpretation of Osprey project***

The Paleo-Mesoproterozoic Isa Super-Basin is located in north-western Queensland and is part of the geologically complex and resource rich Mount Isa Province. The Osprey Project is hosted in a covered extension of the Mt Isa Inlier, just north of the Lawn Hill Sub-Province.

Within the Osprey Project area, two volcanic units are distinguished to form two/three disrupted domal structures cored by granite strikingly analogous to both the Kamarga Dome approximately 40km to the west and the Fiery Creek Dome to the south. A strongly magnetised and dense unit (intersected in drilling) is basaltic and mapped as Eastern Creek Volcanics (**ECV**). The less dense unit of favoured Kamarga Volcanics underlies the ECV and is intruded (and domed) by shallow granite emplacement (Yeldham Granite equivalent). A spatial association between the domes and bimodal volcanics suggests that the domes may have been volcanic edifices and/or the remnants of ancient calderas.

The exploration model for the western succession epigenetic copper is based upon basinal brine fluids are focussed into major fluid pathways or faults between the metabasalt copper bearing source rocks and the overlying host sequence, and then deposited mobilised copper into the reactive overlying sedimentary rocks. The domes are flanked by fault-bound rift sediments of the

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<sup>1 2</sup> Refer RRR ASX Release 31 May 2022 – Major IOCG Potential Evident at Project Osprey

<sup>3</sup> Refer RRR ASX Release 2 May 2023 – Heli EM Conductor Targets Identified at Osprey

<sup>4</sup> Refer RRR ASX Release 8 November 2023 – Scale of Copper System Potential Emerging at Osprey





Haslingden Group which provide significant exposures of potential reactive sequences against permissive Cu-rich source rocks.

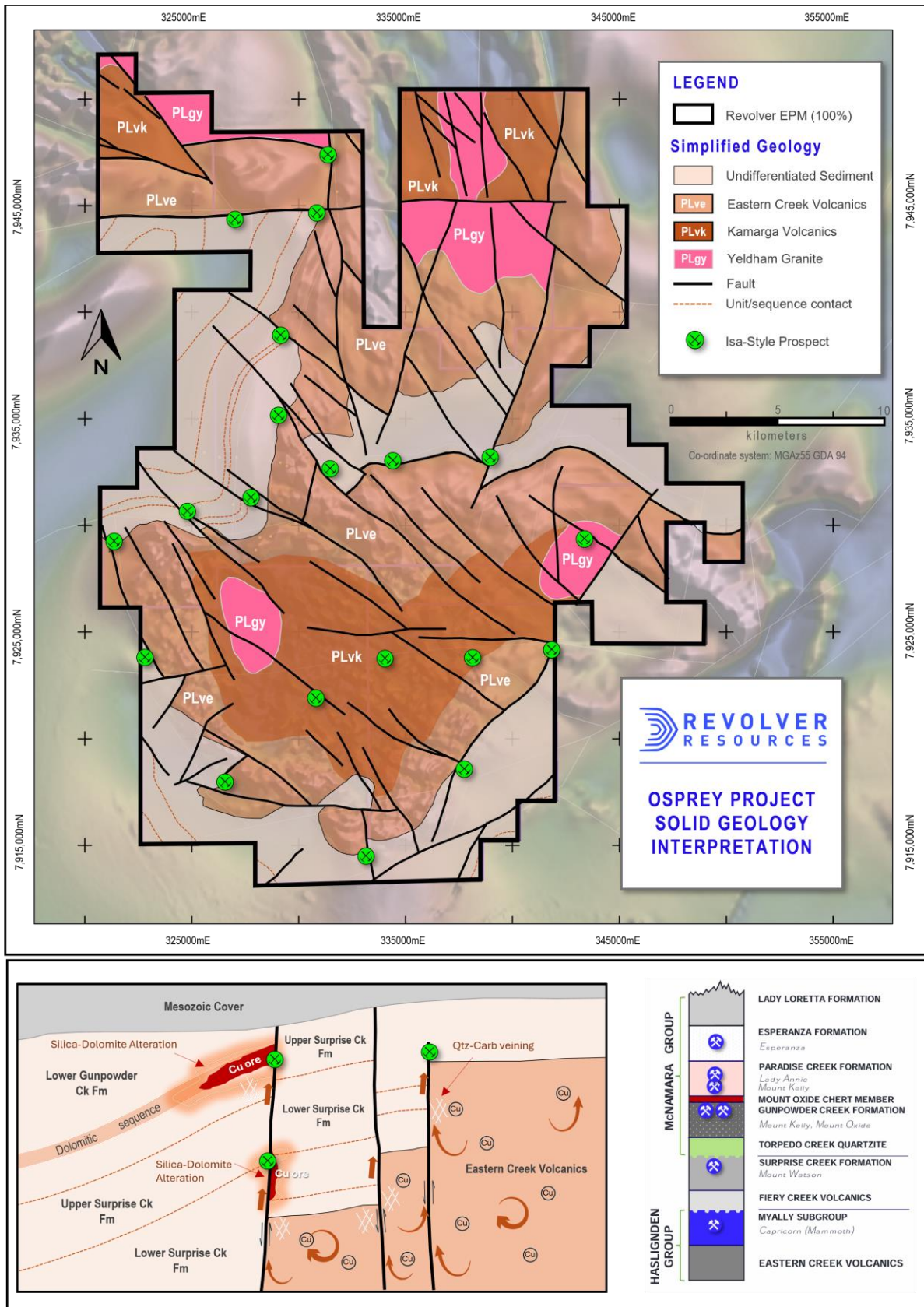


Figure 2: Osprey Project interpretation and geological conceptual model.



**This announcement has been authorized by the Board of Revolver Resources Holdings Limited.**

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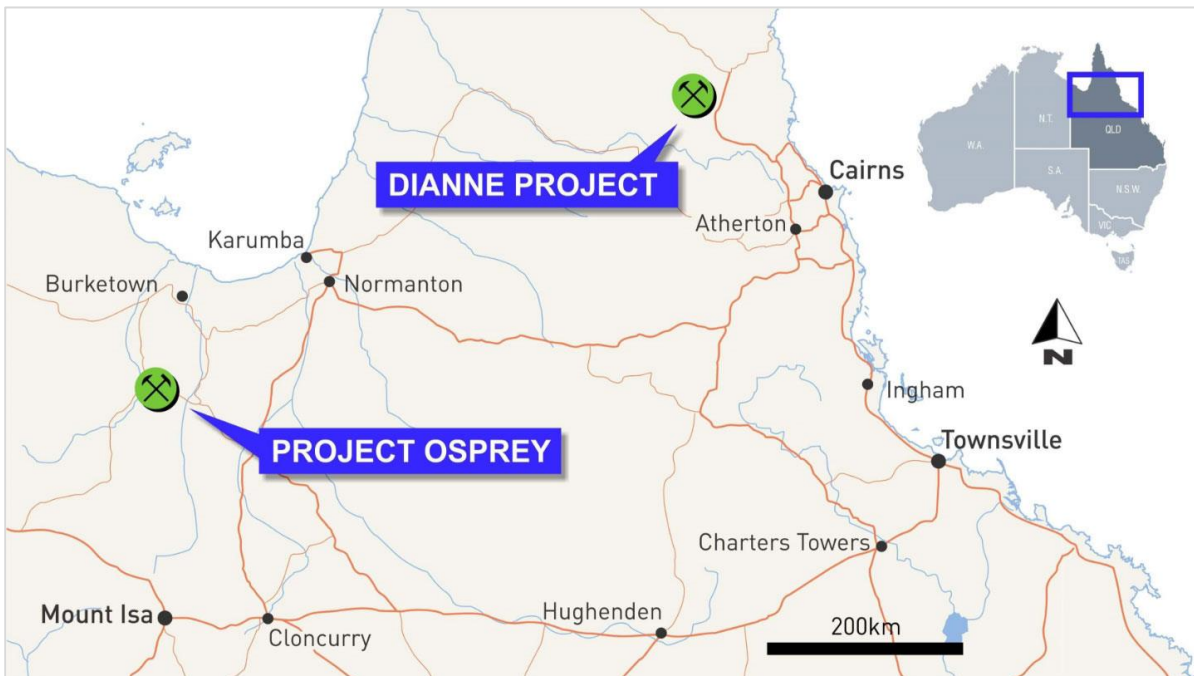
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**About Revolver Resources**

Revolver Resources Holdings Limited is an Australian public company focused on the development of natural resources for the world's accelerating electrification. Our near-term focus is copper exploration in proven Australian jurisdictions. The company has 100% of two copper projects:

- 1) Dianne Project, covering six Mining Leases, three Exploration Permits and a 70:30 JV over a further Exploration Permit in the proven polymetallic Hodgkinson Province in north Queensland, and;
- 2) Project Osprey, covering six exploration permits within the North-West Minerals Province, one of the world's richest mineral producing regions. The principal targets are Mount Isa style copper and IOCG deposits.

For further information  
[www.revolverresources.com.au](http://www.revolverresources.com.au)





## **Competent Person**

*The information in this report that relates to Exploration Results is based on, and fairly represents, information compiled by Dr Bryce Healy (PhD Geology), a Competent Person who is a member of the Australasian Institute of Geoscientists (AIG No: 6132). Dr Healy is a Principal Geologist and Chief Operating Officer (COO) for Revolver Resources Ltd (Revolver) 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". Dr Healy consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.*

*No New Information or Data:* *This announcement contains references to exploration results, Mineral Resource estimates, Ore Reserve estimates, production targets and forecast financial information derived from the production targets, all of which have been cross-referenced to previous market announcements by the relevant Companies. Revolver confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements. In the case of Mineral Resource estimates, Ore Reserve estimates, production targets and forecast financial information derived from the production targets, all material assumptions and technical parameters underpinning the estimates, production targets and forecast financial information derived from the production targets contained in the relevant market announcement continue to apply and have not materially changed in the knowledge of Revolver.*

*This document contains exploration results and historic exploration results as originally reported in fuller context in Revolver Resources Limited ASX Announcements-- as published on the Company's website. Revolver confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements. In the case of Mineral Resource estimates, Ore Reserve estimates, production targets and forecast financial information derived from the production targets, all material assumptions and technical parameters underpinning the estimates, production targets and forecast financial information derived from the production targets contained in the relevant market announcement continue to apply and have not materially changed in the knowledge of Revolver.*

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