



ASX ANNOUNCEMENT

**CHAIN POOL SEDEX POTENTIAL TESTED
WITH SUCCESSFUL AUGER DRILLING PROGRAMME**

- **Auger drilling campaign completed on time and budget at high-grade Joy Helen Copper-Lead-Silver prospect**
- **Samples submitted for assay in Perth with results anticipated over next month**
- **Programme confirms Chain Pool has all the key ingredients for formation of a large SEDEX deposit**

Miramar Resources Limited (ASX:M2R, "Miramar" or "the Company") is pleased to advise that the Company has completed an initial auger drilling campaign at the high-grade Joy Helen copper-lead-silver ("Cu-Pb-Ag") prospect, located within its Chain Pool project in the Gascoyne region of Western Australia.

The Joy Helen prospect contains high-grade Cu-Pb-Ag mineralisation over a strike length of approximately 300m (Figure 1) with similarities to Sedimentary Exhalative ("SEDEX") deposits in the MacArthur Basin in Queensland and the Northern Territory.

Miramar's Managing Director, Ms Marion Bush said the key geological ingredients at the Chain Pool project, combined with evidence of mineralisation in old workings and on the surface at the Joy Helen prospect, have Miramar excited about the project's potential to host a large SEDEX deposit.

"We're very happy with this drilling programme. The drilling team completed 124 holes in under 2 weeks, and we came in under budget and without incident."

This programme was the next step in our systematic exploration of the project and was a quick and cost-effective way to test the potential scale of mineralisation. Our aim was to follow up on the carbonate alteration halos we identified with our 2024 soil and rock chip sampling. This programme not only tested strike extensions to the known Joy Helen mineralisation (extending the known mineralisation from 300m to a potential 700m strike), it also tested new parallel structures. These new structures were identified by our soil sampling and are potential "repeats" of the Joy Helen mineralisation, caused by folding, that the old-time miners hadn't found. The previous 1964 "air blast" holes focused closely around the old Joy Helen workings and Miramar are the first to have identified and started exploring the strike extensions and these new parallel structures.

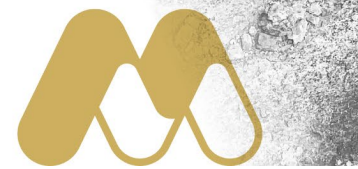
We believe the Chain Pool Project is a great opportunity for a significant new base metals discovery. While we wait for the assay results, we're planning a Ground Gravity geophysical survey and a Passive Seismic survey. Together these two surveys, combined with the auger drilling assay results, will enable us to plan follow up drilling with either an RC or diamond rig. It's also possible that the gravity survey alone will identify potential mineralisation and drilling targets."

SEDEX deposits can be large and extremely valuable making them an attractive exploration target. They are the world's most important source of lead and zinc and also a major contributor of silver and copper.

The Joy Helen prospect has seen no modern or systemic exploration, and no drilling since a series of shallow air blast holes in 1964 and is therefore a prime opportunity for discovery of a large deposit.

Grid soil sampling completed by Miramar outlined carbonate alteration halos consistent with SEDEX mineralisation and identified the potential for strike extensions and parallel mineralised zones to the east and west as a result of folding and faulting of the Edmund Basin sediments (Figure 2).

Samples have been submitted to the laboratory for analysis with results expected in 3-4 weeks. The Company is planning a detailed gravity survey +/- a passive seismic survey to assist in mapping the basement topography and faulting, and potentially also directly detect deeper Pb-Zn mineralisation.



Exploration Update

The Company is in the process of examining all drilling data from the Gidji JV Gold Project, located 15 km north of Kalgoorlie, with the aim of determining the potential for one or more shallow gold resources which could be developed adjacent to the Goldfields Highway.

As part of this process, infill drilling is initially planned for the Highway target in the second half of the year.

For more information on Miramar Resources Limited, please visit the company’s website at www.miramarresources.com.au, follow the Company on social media (Twitter @MiramarRes and LinkedIn @Miramar Resources Ltd) or contact:

Marion Bush
 Managing Director
info@miramarresources.com.au

Margie Livingston
 Ignite Communications
margie@ignitecommunications.com.au

This announcement has been authorised for release by Ms Marion Bush, Managing Director, on behalf of the Board of Miramar Resources Limited.

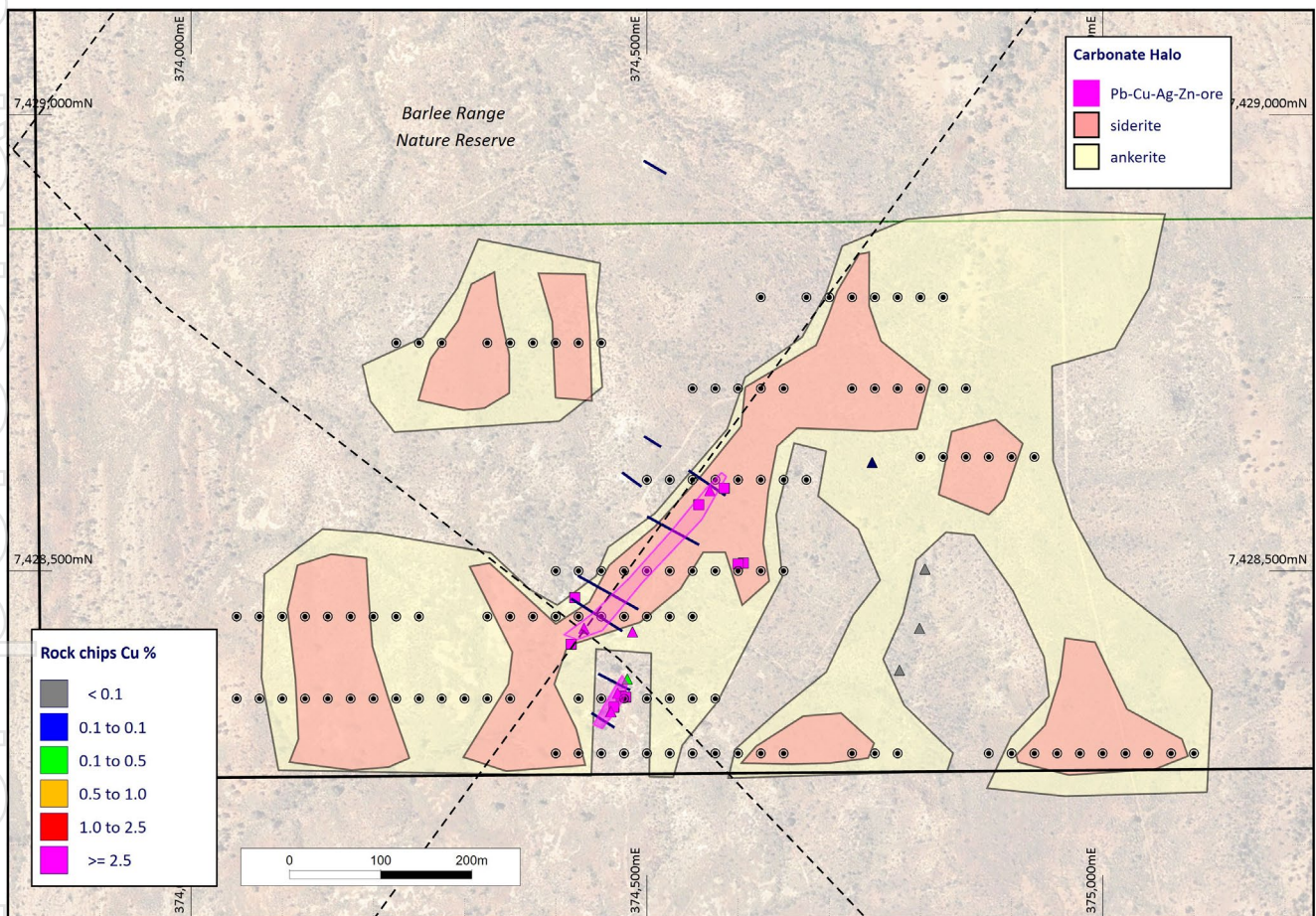


Figure 1. Joy Helen prospect showing auger drill holes in relation to carbonate alteration halos and high-grade mineralisation.

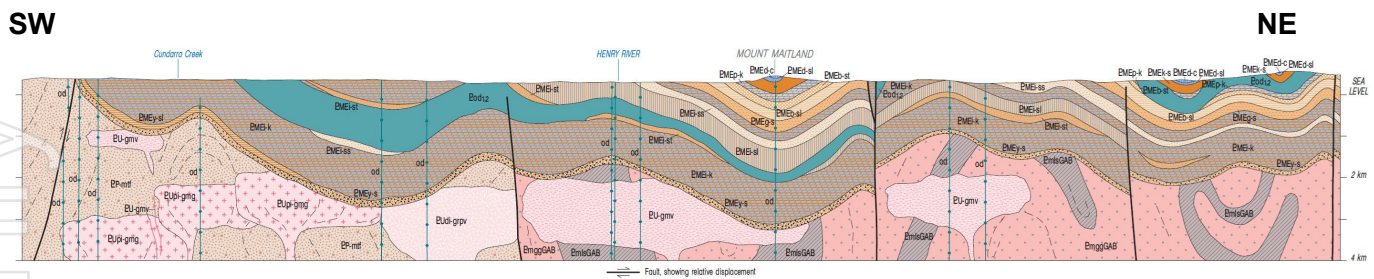
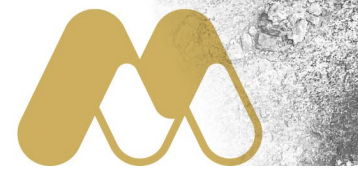


Figure 2. Interpreted SW-NE cross section through the GSWA Maroonah 1:100,000 geology map showing folding and faulting on the southwest margin of the Edmund Basin.

SEDEX deposits and the Joy Helen deposit model

Sedimentary Exhalative (“SEDEX”) base metal deposits, including the Sullivan mine in Canada, the Cannington, George Fisher, Mount Isa, and Hyc deposits in Australia, the Red Dog deposit in Alaska, and Rammelsberg in Germany are some of the world’s largest base metal deposits.

SEDEX deposits occur in rift-generated sedimentary basins. The basins contain older clastic sediments overlain by a thick sequence of “sag-phase” sediments, including black shales and calcareous mudstones as shown in Figure 3. There is typically an upper breccia ore zone and a lower replacement ore zone.

The deposits typically have zoned alteration and geochemical halos. According to Large and McGoldrick (1998), the Lady Loretta orebody in Queensland is surrounded by a proximal zinc-rich siderite halo up to 50m thick which gives way to an ankerite/ferroan dolomite halo a further 50-100m away, followed by low-iron dolomitic sediments. Extensive manganese (“Mn”) and thallium (“Tl”) halos are also observed.

Miramar’s Technical Director, Mr Allan Kelly said, “Joy Helen is hosted in carbonate rocks located adjacent to a major growth fault at the edge of the Edmund Basin with the same zoned carbonate alteration halo with increasing base metal values towards the proximal siderite zone as seen in the typical SEDEX model.”

The presence of secondary copper and the absence of any appreciable zinc mineralisation at Joy Helen to date is consistent with zonation of mineralisation seen at other deposits including Mt Isa, where (primary) copper mineralisation forms closer to the vent, as summarised in Figures 3 and 4.

Given the regional setting, the lack of any substantial drilling or any project-scale geophysics and the information gathered to date, Miramar believes the Joy Helen occurrence provides evidence for a potentially significant SEDEX deposit to be discovered at Chain Pool.

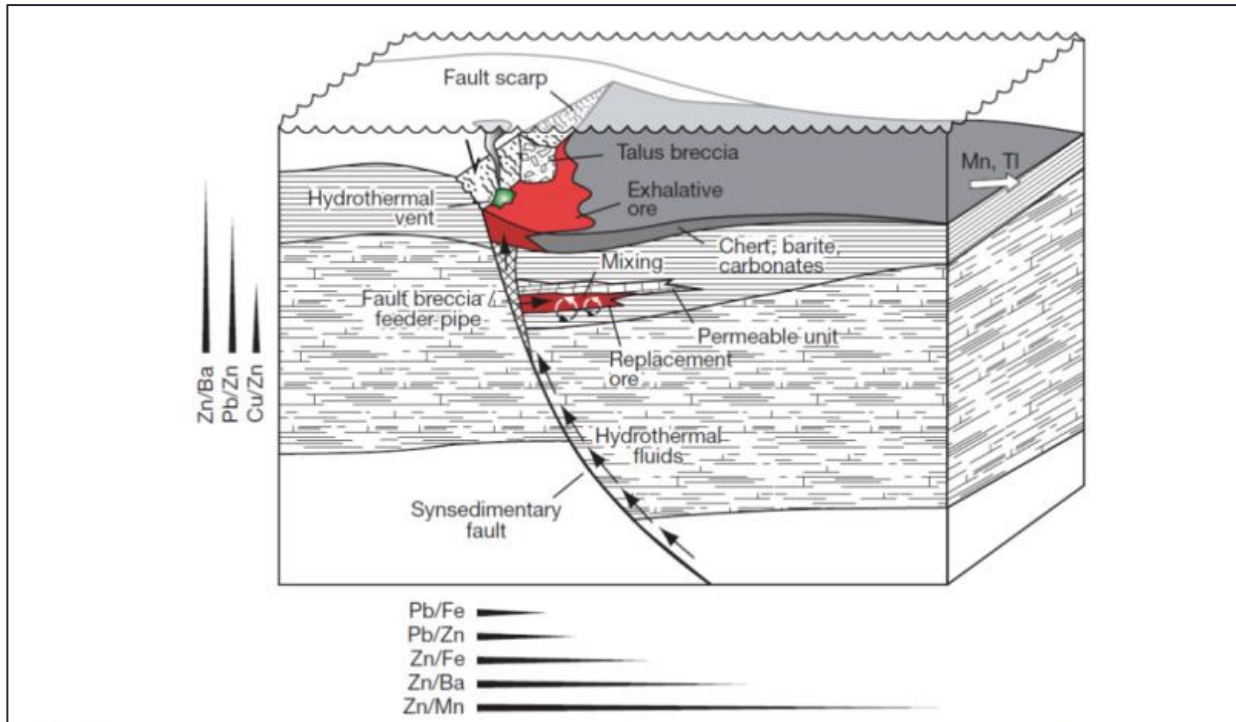


Figure 3. Typical SEDEX deposit model adjacent to a major growth fault in a rift basin showing upper breccia and lower replacement orebodies and zoned geochemical halos.

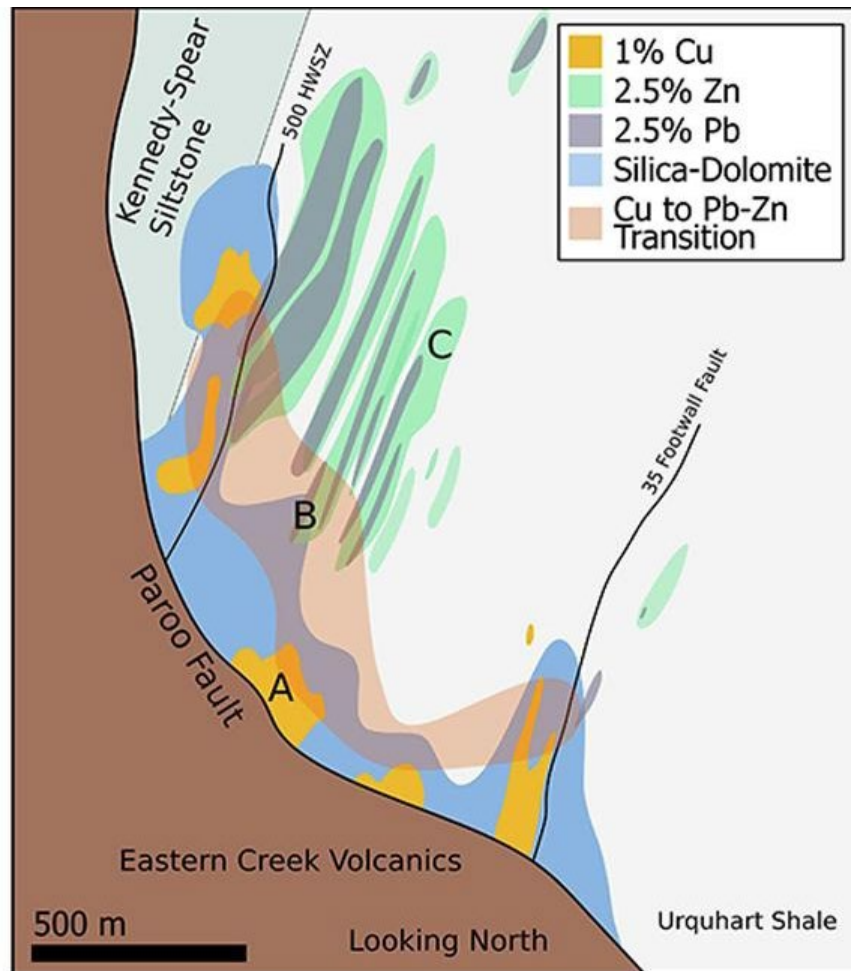
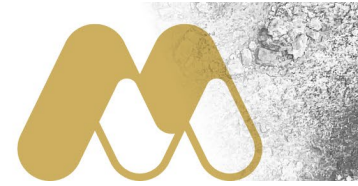


Figure 4. Summary of metal zonation at Mt Isa (Cave et al, 2020)

**REFERENCES:**

Blockley, 1971. *"The Lead Zinc and Silver Deposits of Western Australia"*. Geological Survey of Western Australia, Mineral Resources Bulletin 9.

"Sediment-hosted base metal deposits Research results for 1998 AMIRA/ARC project P384A Final Report, December 1998" CODESSRC Centre for Ore Deposit Research University of Tasmania

Cave, Lilly, and Barovich. *"Textural and geochemical analysis of chalcopyrite, galena and sphalerite across the Mount Isa Cu to Pb-Zn transition: Implications for a zoned Cu-Pb-Zn system."* Ore Geology Reviews Volume 124, September 2020.

Cox, R., and Curis. R., 1977. *"The discovery of the Lady Loretta zinc-lead-silver deposit, northwest Queensland, Australia — A geochemical exploration case history."* Journal of Geochemical Exploration Volume 8 (1977).

Large, R. R., and McGoldrick, P. J., 1998. *"Lithochemical halos and geochemical vectors to stratiform sediment hosted Zn-Pb-Ag deposits, 1. Lady Loretta Deposit, Queensland"* Journal of Geochemical Exploration, 63 (1998).

About the Chain Pool Project

The Chain Pool Project is located approximately 275km northeast of Carnarvon, in the Gascoyne region of Western Australia and consists of a single 100%-owned Exploration Licence, E08/3676.

The Project straddles the boundary between a Durlacher Supersuite granite, which hosts the Yangibana and YIN REE deposits, and the Edmund Basin, which hosts the high-grade Joy Helen Cu-Pb-Ag occurrence.

The Project has been crosscut by later N-S trending dolerite dykes of the 750Ma "Mundine Well Suite" which hosts Ni-Cu-Co-PGE sulphide mineralisation within the "Money Intrusion" further south.

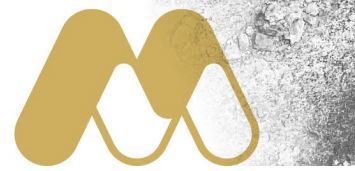
A large magnetic and gravity anomaly appears to indicate a buried intrusion that could have been a source of heat and/or fluids for the mineralisation at Joy Helen.

Miramar applied for E08/3676 in December 2023, and it was granted in August 2024.

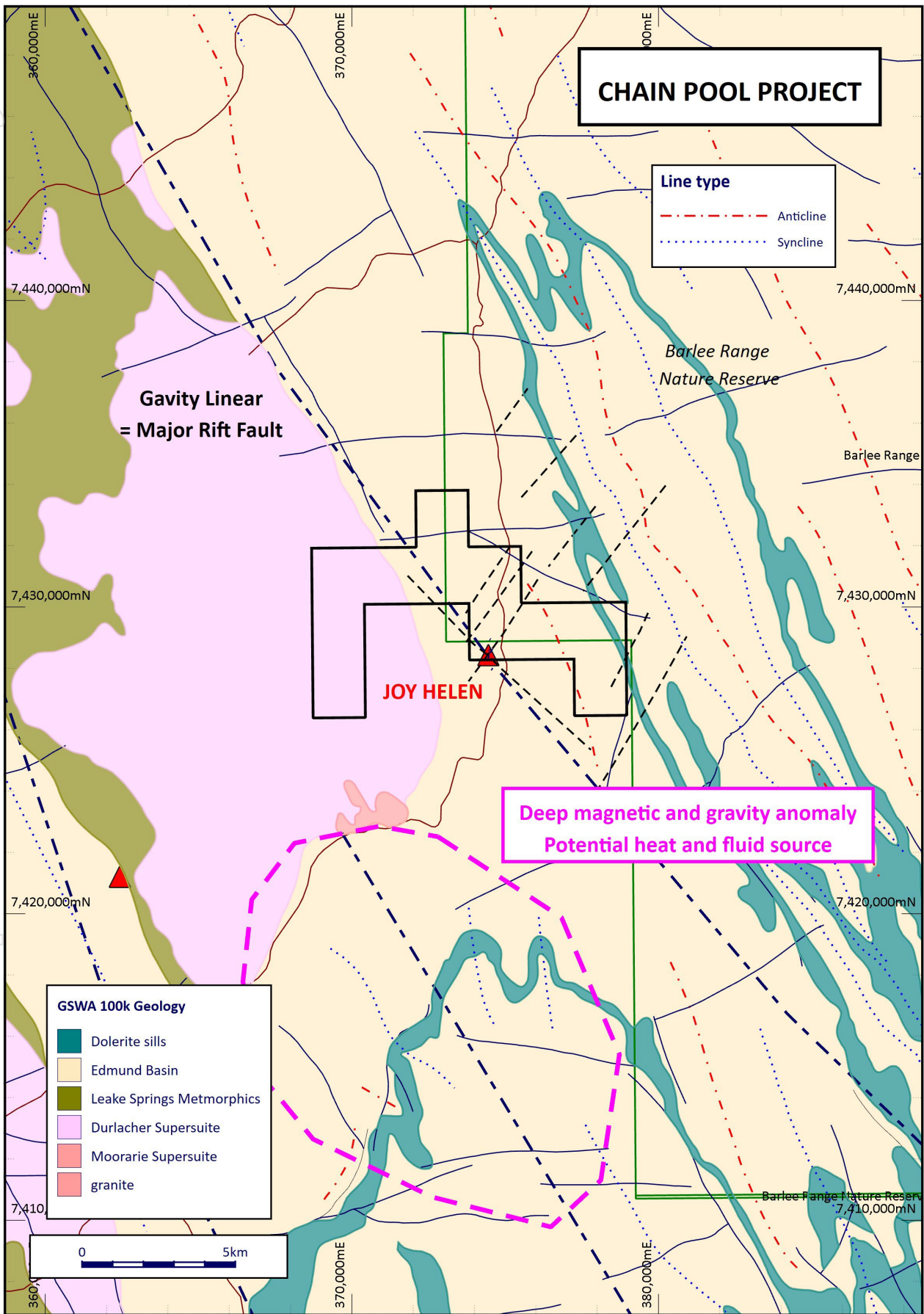
Initial reconnaissance rock chip sampling around the Joy Helen workings in July 2024, prior to the grant of the tenement, returned several high-grade Cu-Pb-Ag results. Subsequent rock chip sampling confirmed and extended the known mineralisation.

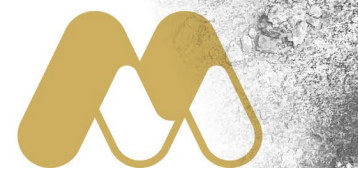
The Project has potential for various styles of mineralisation including:

- SEDEX Pb-Zn-Ag mineralisation hosted in the Irregularly Formation;
- Carbonate-hosted "Mississippi Valley Type" (MVT) Pb-Zn mineralisation; and
- Mafic intrusion-hosted magmatic Ni-Cu-Co-PGE sulphide mineralisation hosted in dolerite dykes of the 755Ma Mundine Well Suite.



For personal use only





COMPETENT PERSON STATEMENT

The information in this report that relates to Exploration Targets or Exploration Results is based on information compiled by Allan Kelly, a “Competent Person” who is a Member of The Australian Institute of Geoscientists. Mr Kelly is the Technical Director for Miramar Resources Ltd. He is a part-time employee of Miramar Resources Ltd and holds shares and options in the company.

Mr Kelly has sufficient experience that is relevant to the style of mineralisation and type of deposits 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 Kelly consents to the inclusion in this Announcement of the matters based on his information and in the form and context in which it appears.

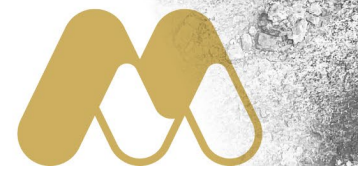
Information on historic and recent exploration results from the Chain Pool Project, including JORC Table 1 and 2 information where applicable, was included in the following ASX Announcements. The Company confirms that it is not aware of any new information or data that materially affects the information included in those announcements, and that all material assumptions and technical parameters underpinning the exploration results continue to apply and have not materially changed:

- 19 May 2026 – *“Drilling Underway at Chain Pool Copper-Lead-Silver Project”*
- 13 May 2026 – *“Drilling team mobilising to Chain Pool copper-lead-silver-gold project”*
- 30 October 2025 – *“Drilling approval for Chain Pool SEDEX Project”*
- 27 November 2024 – *“SEDEX Mineralisation Confirmed at Chain Pool”*
- 21 November 2024 – *“Copper & Gold Mineralisation at Chain Pool”*
- 18 July 2024 – *“High-grade copper, lead and silver results from new Gascoyne Project”*
- 27 August 2024 – *“Chain Pool tenement granted”*
- 30 October 2024 – *“Exploration Underway at Chain Pool Project”*

DISCLAIMER – FORWARD-LOOKING STATEMENTS

This ASX announcement contains various forward-looking statements. All statements other than statements of historical fact are forward-looking statements. Forward-looking statements are inherently subject to uncertainties in that they may be affected by a variety of known and unknown risks, variables and factors which could cause actual values or results, performance or achievements to differ materially from the expectations described in such forward-looking statements. The Company does not give any assurance or guarantee that the anticipated results, performance or achievements expressed or implied in those forward-looking statements will be achieved.

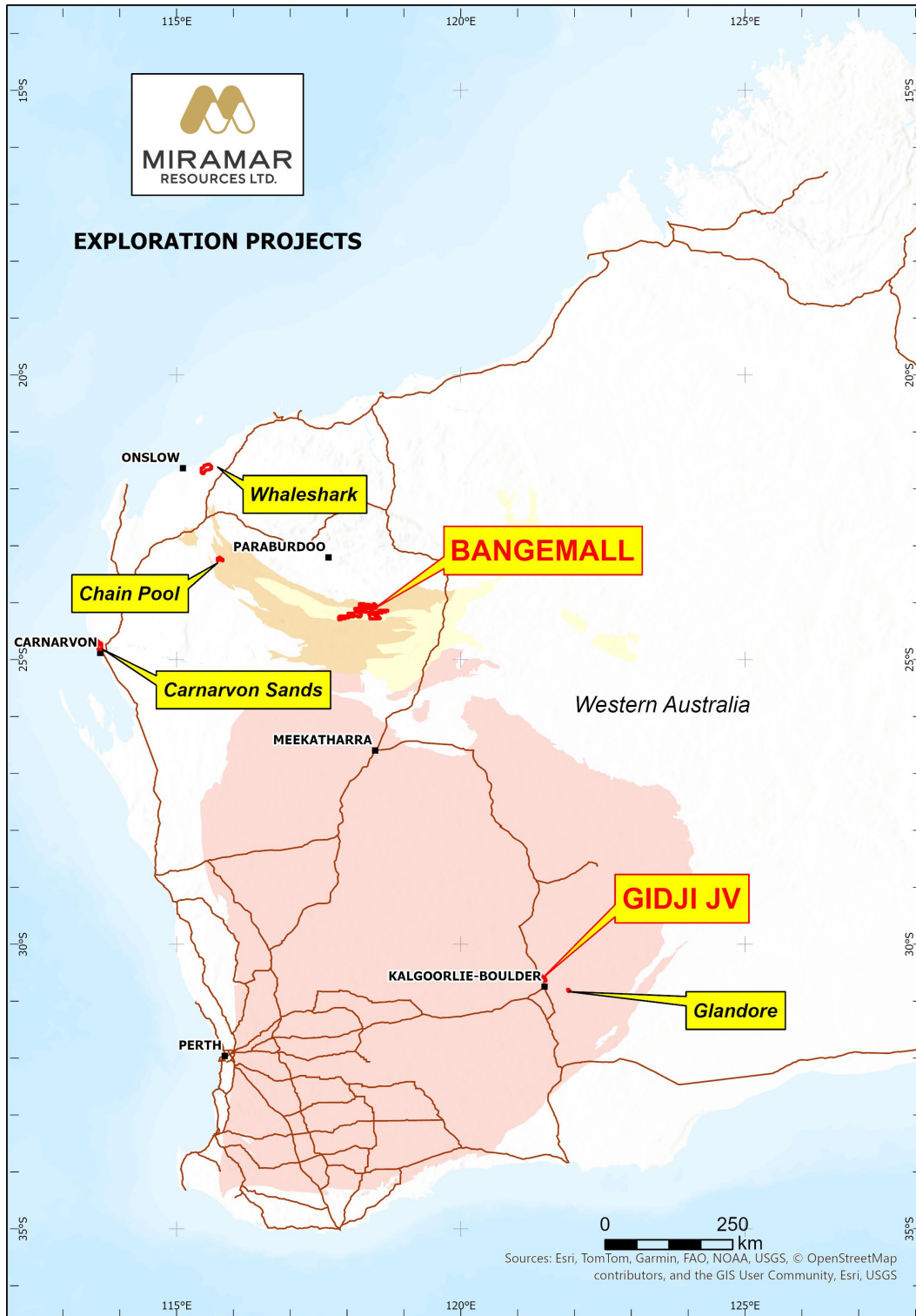
Future funding plans are not commitments and depend on market conditions, approvals and counterparties; there is no assurance finance will be obtained on acceptable terms.



About Miramar Resources Limited

Miramar Resources Limited is an active, WA-focused mineral exploration company exploring for gold, copper and Ni-Cu-PGE deposits in the Eastern Goldfields and Gascoyne regions of WA.

Miramar aims to create shareholder value through discovery of high-quality mineral deposits and the Company’s Board has a track record of discovery, development and production within Australia, Africa, and North America.



For personal use only