

September Exploration Update

Airborne magnetic survey complete and academic study commissioned

West Australian gold exploration and development company, Rox Resources Limited (“**Rox**” or “**the Company**”) (ASX: RXL), is pleased to provide an update on exploration activities at its flagship Youanmi Gold Project.

The update follows the Company’s recently announced Mineral Resource Estimate (“**MRE**”) of 2.2Moz @ 5.6 g/t Au (Indicated & Inferred)¹, positioning Youanmi as one of the highest-grade, emerging gold projects in Australia.

Highlights:

- **Detailed regional aeromagnetic survey complete**
- **Appointment of leading structural geologist Dr Melanie Finch to enhance structural understanding of the Youanmi system**

Managing Director & CEO Mr Phill Wilding commented:

“Following our highly successful drill programs and recent Mineral Resource Update, our exploration team has turned its attention to assessing the full potential of our extensive landholding at Youanmi.

“In doing this, we identified the need for a modern, high-resolution aeromagnetic survey to provide full coverage of the Project with a detailed, high-quality dataset.

“This new dataset will be used for regional target generation and enable us to better define structural controls on mineralisation to unlock significant value in upcoming drill programs.

“Building on this work, and our growing understanding of the ore system, I am very proud that we have been able to secure the expertise of Dr Melanie Finch – a globally recognised, award-winning structural geologist – to help guide future exploration activities across our extensive Youanmi landholding.

“Her work is directly aligned with the ore systems we are targeting, and her insights will be invaluable as we undertake further exploration activities across our landholding, with an objective of further building our resource base.

“With exploration advancing in parallel with our early works program, we remain firmly on track to deliver the Definitive Feasibility Study in the coming quarter.”

Airborne Magnetic Survey at Youanmi

Rox has commissioned a regional airborne magnetic infill survey with MAGSPEC Airborne Surveys Pty Ltd supported by geophysical consultants Newexco Exploration Pty Ltd. The fixed-wing airborne magnetic survey is designed to upgrade the magnetic dataset over the Youanmi mine site and provide a full dataset covering Rox tenure along the Youanmi shear zone. Historical and existing datasets form a patchwork

¹ Refer to ASX announcement titled “Underground Resources Increased to 2.1Moz” released 21 July 2025

coverage consisting of small, isolated, high-resolution datasets of variable vintage and quality overlying low-resolution government acquisition.

The survey has been designed to reduce regional line separation to 50m over more than 100km of continuous licence holding along the belt (Figure 1). At the local scale of the Youanmi deposit, the Magspec system was flown at a nominal 30m height and infill at 25m line separation along the highly prospective mine trend. Once processed, the merged dataset will have significantly enhanced resolution allowing for improved structural and lithological interpretation at both mine and regional scale and form the basis for ongoing exploration targeting. The new dataset will be integrated into the geological model to help decipher areas of high structural complexity, improve our understanding of the Youanmi deposit and generate regional gold targets.

The survey will also provide an improved digital terrain model and radiometric data which will be valuable for interrogating and tracking lithologies and supporting an improved structural interpretation achieved from the high-resolution geophysical datasets.

Appointment of Dr Melanie Finch

Rox has engaged Dr Melanie Finch from the University of Melbourne to assess the structural evolution of the Youanmi shear zone and the mechanisms that influence gold deposition within the system.

The initial activities will focus on tomographic work which utilises 3D X-ray imaging of drill core to understand the major structures that control sulphide deposition and the positioning of gold within sulphide. In 2026, preliminary work will support a PhD project supervised by Dr Finch which is expected to focus on the structural evolution of the Youanmi shear zone and the mineralisation controls within the different domains of the Youanmi deposit.

Dr Finch is a structural geologist specialising in the formation of hydrothermal ore deposits in ductile shear zones. She is the head of the University of Melbourne structural geology group and has a research team working on shear zone hosted ore deposits in collaboration with mining companies across Australia and New Zealand.

She was awarded an Australian Research Council (ARC) Discovery Early Career Researcher Award (2024-2027) for the project “Critical metal fluid migration in shear zones during tectonic switches” and ARC Discovery Project (2022-2025) titled “Add mountains and shake”. Dr Finch was also awarded the 2024 medal for Outstanding Contributions to Structural Geology and Tectonics from the Geological Society of Australia.

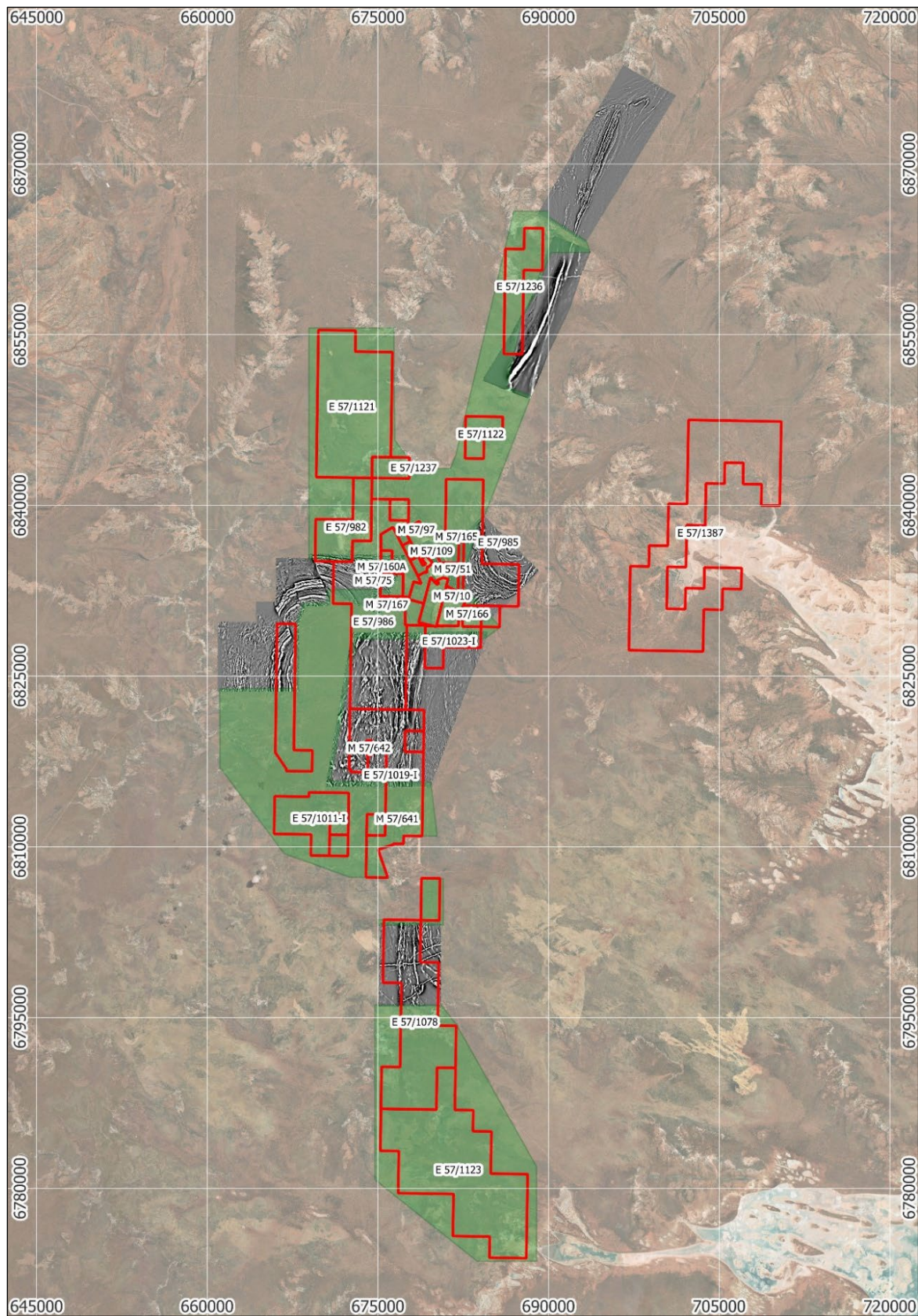


Figure 1: Plan view of the new airborne magnetic survey (green) and existing magnetic surveys covering Youanmi mine site and Rox tenure (red polygons) overlain on aerial photography.

Authorisation

This announcement is authorised for release by the Board of Rox Resources Limited.

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About Rox Resources

Rox Resources (ASX: RXL) is a West Australian focused gold exploration and development company. It is the 100 per cent owner of the historic Youanmi Gold Project near Mt Magnet, approximately 480 kilometres northeast of Perth.

The Company's focus is on the development of the high-grade, high-margin Youanmi Gold Project that hosts a global mineral resource of 12.1Mt at 5.6g/t for 2.2Moz of gold. With a clear strategic and execution plan to production, Rox Resources offers significant value to its investors.

Competent Persons Statement

Exploration Results

The information in this release that relates to Data and Exploration Results is based on information compiled and reviewed by Andrew Shaw-Stuart a Competent Person who is a Fellow Member of the Australian Institute of Geoscientists (AIG). Mr Shaw-Stuart is the Exploration Manager for Rox Resources and holds securities and performance rights in the Company. The aforementioned has sufficient experience that is relevant to the style of mineralisation and type of target/deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Shaw-Stuart consents to the inclusion in the release of the matters based on the information in the form and context in which it appears.

Where reference is made to previous releases of exploration results in this announcement, the Company confirms that it is not aware of any new information or data that materially affects the information included in those announcements and all material assumptions and technical parameters underpinning the exploration results included in those announcements continue to apply and have not materially changed.

The information in this report that relates to previous Exploration Results was prepared and first disclosed under the JORC Code 2012 and has been properly and extensively cross-referenced in the text to the date of the original announcement to the ASX.

Resource Statements

The information in this report that relates to Mineral Resources at the Youanmi Gold Project is based on information compiled by Steve Le Brun, a Competent Person who is a Fellow of the Australian Institute of Geoscientists. Mr Le Brun is the Principal Resource Geologist for Rox Resources and holds shares and performance rights in the Company. Mr Le Brun 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 Le Brun consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

Forward-Looking Statements

Certain statements in this announcement relate to the future, including forward-looking statements relating to the Company and its business (including its projects). Forward-looking statements include, but are not limited to, statements concerning Rox Resources Limited planned exploration program(s) and other statements that are not historical facts. When used in this document, the words such as "could," "plan," "estimate," "expect," "intend," "may", "potential," "should," and similar expressions are forward looking statements.

These forward-looking statements involve known and unknown risks, uncertainties, assumptions, and other important factors that could cause the actual results, performance or achievements of the Company to be materially different from future results, performance or achievements expressed or implied by such statements. Actual events or results may differ materially from the events or results expressed or implied in any forward-looking statement and deviations are both normal and to be expected. Neither the Company, its officers nor any other person gives any representation, assurance or guarantee that the events or other matters expressed or implied in any forward-looking statements will actually occur. You are cautioned not to place undue reliance on those statements.