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2 June 2025

## Exploration Update

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**Lanthanein Resources Limited (ASX: LNR)** (“Lanthanein” or the “Company”) is pleased to provide an update on exploration activities on the Company’s projects.

### **Lyons and Edmund Project – Gascoyne WA**

The Company is conducting a detailed desktop review of all historical exploration for gold and base metals in the project area. A number of major mining house exploration teams, including BHP Minerals, Newmont Australia and Newcrest Mining, conducted extensive exploration in the area from the 1980’s through to the 1990’s.

A number of geochemical and radiometric anomalies were generated by both Newmont and Newcrest particularly in the Hart Bore area on the Lyons EL. Several were drilled with auger and RAB drilling with anomalous gold, base metals and REE values encountered.

The Company is reviewing this historical data and is planning additional close-spaced geochemical sampling of the areas with gold and base metals anomalism.

### **Koolya Project – Yilgarn WA**

The Company has relinquished the Koolya exploration licences. Whilst exploration did encounter significant kaolin in the air core drilling, the inconsistent quality of the kaolin does not justify further studies on its commercial viability.

### **Lady Grey Farm In – Mount Holland**

As announced previously, the Company has served Gondwana Resources Limited with a Withdrawal Notice from the Farm In Agreement (ASX 26 May 2025). Since that notice was given the Company has finalised the rehabilitation of the access tracks and drill pads from the drilling on EM Line #1 and #6. In the previously announced drilling results from Lady Grey (ASX 15 May 2025), it was omitted that there were no significant assay results from drill holes LGD001-003 on Line #6.

This announcement has been authorised for release by the Directors of the Company.

For additional information please visit our website at [www.lanthanein.com](http://www.lanthanein.com)

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**LANTHANEIN RESOURCES LTD**

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