

16 September 2022

Lyons REE Project Maiden Drill Program Update

- **Maiden RC drilling programme at Lyons Prospect partially completed**
- **Programme is targeting exceptional high-grade rare earth element (REE) results from rock chips at outcropping ironstones at Lyons 11, 12, 13 & 27 Prospects**
- **Ironstones are analogous to Hastings Technology Metals' Yangibana rare earth deposits and Dreadnought Resources' Yin and Sabre discoveries adjacent to Lanthanein's Lyons Projects, 2.5km and 32km away respectively**

The maiden drill programme at Lanthanein Resources Limited's (**Lanthanein** or the **Company**) exciting Lyons rare earths project which commenced this week is now partially completed. The initial phase of the programme comprised holes that were reasonably accessible by a wheel mounted RC rig which was available for an expedited start to the programme after the initial delays from weather. A track mounted rig is now available to complete the remainder of the programme which is expected to recommence in approximately 10 days.

13 holes out of the planned 30 hole programme have been drilled for 1,068 metres at the Lyons 11 prospect. The break in the programme will allow the Company's technical and geological consultants the opportunity to complete drill chip logging and XRF scans of the samples before shipping to the assay lab. This will allow for potential early follow-up of any drill holes of interest when drilling recommences.

The Company continues to be encouraged by the ongoing exploration success of Dreadnought at the Yin Project and the new Sabre discovery which demonstrates the significant REE potential of the ironstones in the Gifford Creek Ferrocarbonatite Complex. The significant endowment of rare earth minerals in the Gascoyne is now being more fully recognised by the broader market. The surge in modern exploration in the region has highlighted the potential for more rare earth discoveries such as Yin and Sabre plus further Lyons REE bearing ironstone discoveries.

The market will be updated on progress with the programme after it recommences in approximately 10 days.

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

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