

22 April 2025

## MAIDEN DRILLING PROGRAM COMPLETED AT HIGH-GRADE COPPER GOLD PROJECT IN CHILE

### HIGHLIGHTS

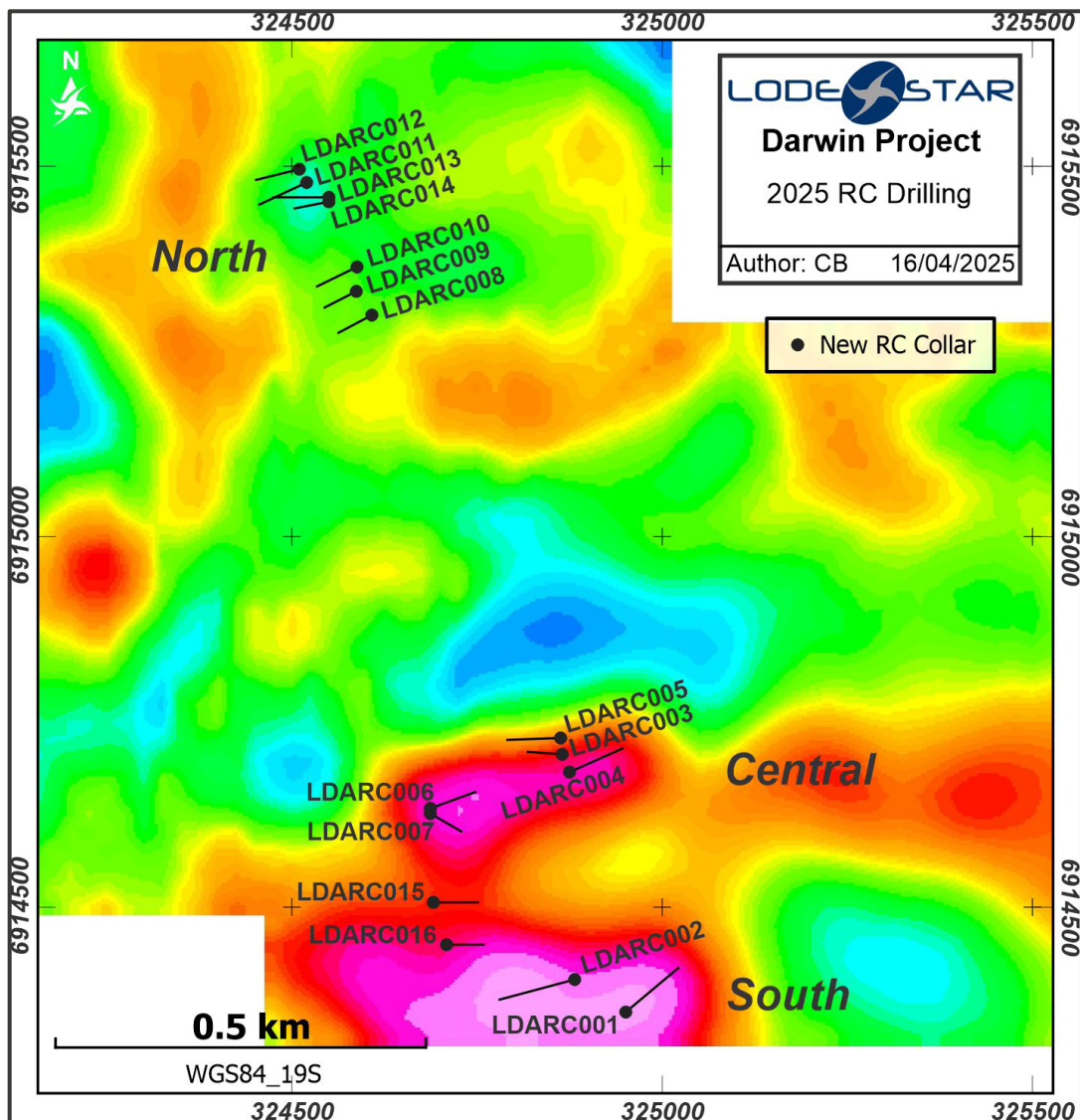
- 16 holes for 2,026m of RC drilling has been completed at the Darwin Project in Chile
- The programme was expanded to include two holes to test additional quartz – calcite veins, which display visible copper and iron oxide mineralisation, identified during the drilling programme
- The 16 RC holes have tested three separate targets as well as some new veins identified during the programme between the southern and central targets
- First assays from drilling were expedited and expected in the coming weeks
- Darwin Project hosts very high-grade gold, copper and iron samples from historical workings spread over a +1km structural corridor including<sup>1</sup>:
  - Gold grades of 247g/t Au, 229g/t Au, 185 g/t Au and 166 g/t Au
  - Copper grades of 8.09% Cu, 7.78% Cu, 4.75% Cu, 3.43% Cu and 3.34% Cu
  - Iron ore above 66% Fe in outcrops

Lodestar Minerals Limited (“LSR” or “the Company”) (ASX: LSR) is pleased to announce that the maiden drilling programme has been completed at the high-grade, highly prospective 3,100 hectare ‘Darwin’ IOCG project located 75km from Copiapó in northern Chile.

The programme comprised 16 holes for 2026m (Figure 1 – Table 1). This programme was extended following the discovery of additional quartz-calcite veins with copper and iron oxide mineralisation at surface (Figure 2 and 3). These veins were found between the southern and central targets possibly linking these two targets. We have continuity of the vein system over more than 1km of strike length.

**Commenting on the completion of drilling, Lodestar Managing Director Ed Turner said:** *“The maiden RC drilling programme has been successfully completed and all samples have been despatched to the local ALS laboratory for assaying. Multiple intervals within the 16 drill holes have also been submitted for “rush” turnaround assaying which means we will get results in approximately half of the normal time. These intervals were identified during geological logging of the RC chips and were usually quartz and/or calcite veins which we believe have the best chance of being mineralised based on the evidence from the historic mine workings. We expect to be able to report results from these assays over the coming weeks.”*

1. See ASX announcement dated 9 December 2024 (ASX:LSR)

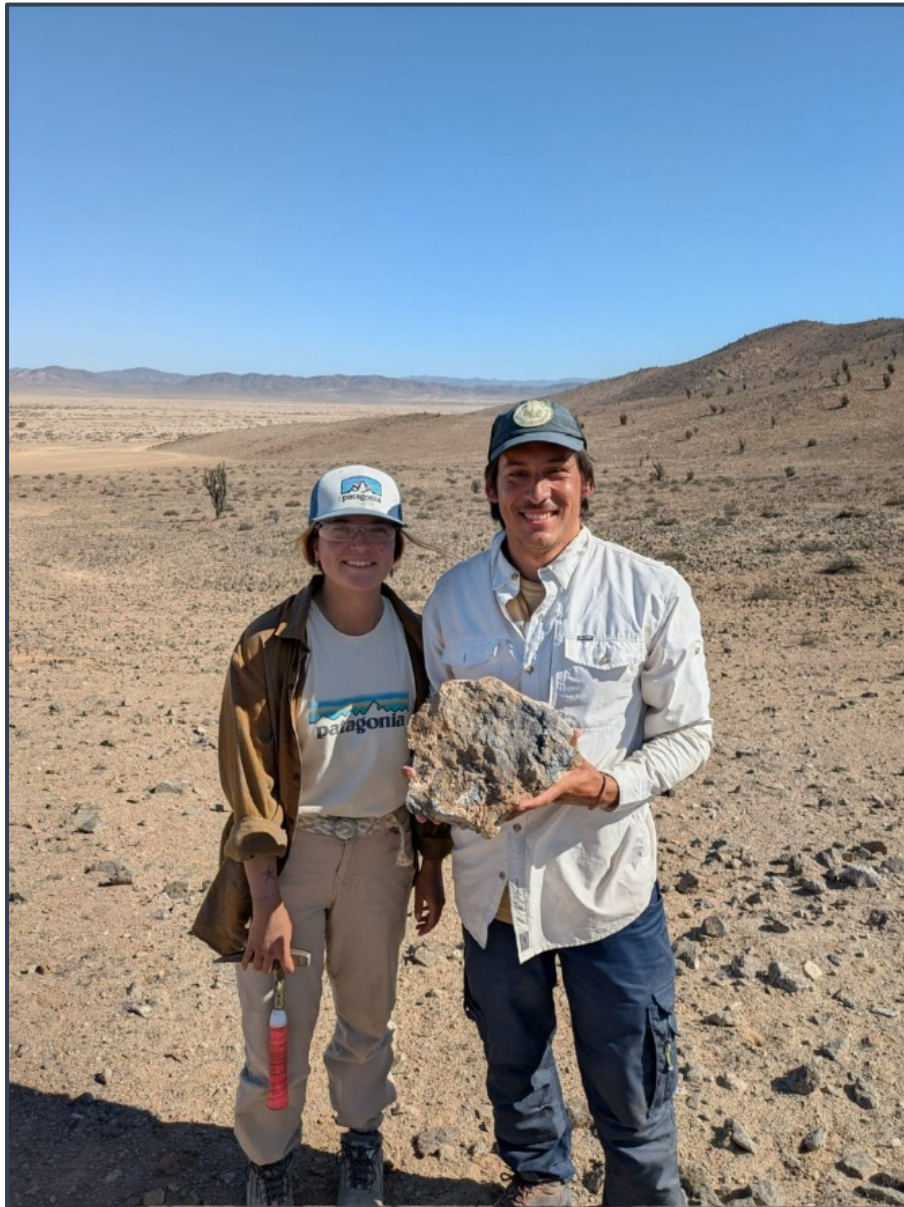


**Figure 1: Completed drill hole traces projected to surface on aeromagnetic background (tmirtp 1vd).**

The central and south targets were primarily targeting magnetic anomalies defined by geophysical surveys and targeting IOCG (Iron Oxide Copper Gold) mineralisation type. During mapping it was identified that most of the historically mined mineralisation (Gold and Copper) were linked to calcite-quartz-rich veins which were another of the main targets for this drilling program. As the drilling was in progress the geological team on site continued the mapping of the area and identified additional calcite-quartz veins between central and south targets (Figure 2). Holes LDARC015 and LDARC016 were added to target these veins (Figure 3).

**Table 1: Drill hole details**

Hole_ID	Hole_Type	Dip	Azimuth	GRID ID	WGS84_East	WGS89_North	RL	EOH
LDARC001	RC	-52	50	WGS84_S19	324951	6914358	242	150
LDARC002	RC	-59	255	WGS84_S19	324882	6914402	242	204
LDARC003	RC	-60	274	WGS84_S19	324865	6914706	284	93
LDARC004	RC	-57	66	WGS84_S19	324875	6914682	282	144
LDARC005	RC	-60	268	WGS84_S19	324863	6914728	276	144
LDARC006	RC	-60	70	WGS84_S19	324687	6914633	297	129
LDARC007	RC	-60	120	WGS84_S19	324687	6914626	297	96
LDARC008	RC	-60	242	WGS84_S19	324608	6915299	307	102
LDARC009	RC	-60	243	WGS84_S19	324587	6915331	302	96
LDARC010	RC	-60	244	WGS84_S19	324588	6915364	292	120
LDARC011	RC	-62	245	WGS84_S19	324520	6915478	319	150
LDARC012	RC	-60	256	WGS84_S19	324510	6915496	318	120
LDARC013	RC	-60	270	WGS84_S19	324550	6915458	320	150
LDARC014	RC	-62	259	WGS84_S19	324550	6915452	316	100
LDARC015	RC	-56	90	WGS84_S19	324698	6914502	273	108
LDARC016	RC	-60	90	WGS84_S19	324715	6914447	264	120



**Figure 2: Chilean graduate geologists Colomba Yanez Labarca and Xavier Coddou with the newly identified vein targeted with the additional drillholes (LDARC015 & LDARC016).**





Figure 3: Drill rig completing the final drill hole in the maiden programme at Darwin.

### **Darwin Copper-Gold Project Summary**

The Darwin Project in Chile lies within one of the World's largest IOCG (iron oxide, copper, gold) Belts which includes the **1.2 Bt @ 0.60% Cu, 0.13 g/t Au, 2.0 g/t Ag** Candelaria Deposit<sup>2</sup>.

The region is host to numerous world class copper deposits and gold rich IOCG deposits such as Carola (**10Mt @ 1.8% Cu, 0.5g/t Au**)<sup>2</sup> and Atacama Kozan (**50Mt @ 1.6% Cu, 0.35g/t Au**)<sup>3</sup>.

The association between high-grade Cu, Au and Fe at surface in the Darwin Project is very encouraging and a good indication of the project's potential (Figure 4).

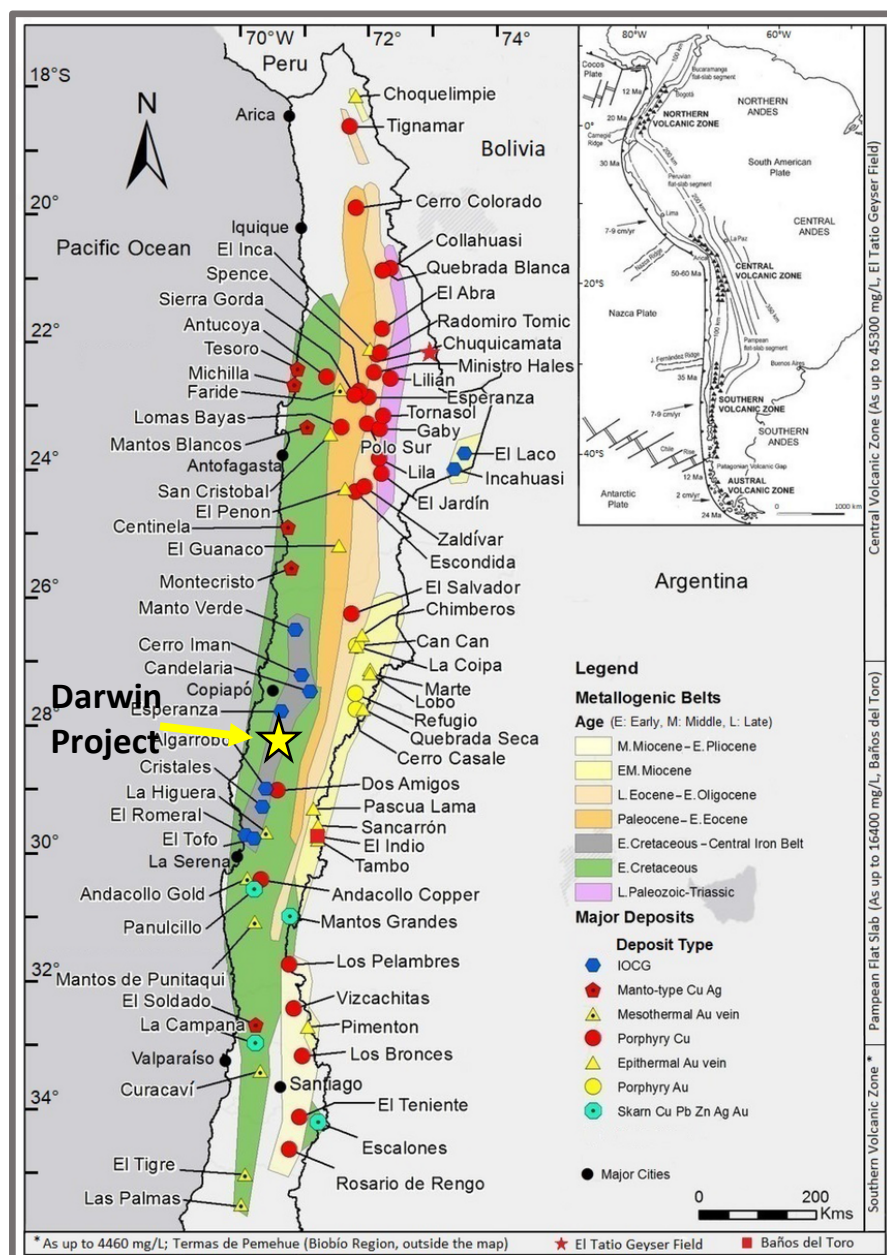


Figure 4: Darwin Project location in relation to other IOCG and Porphyry deposits

Figure background extracted from Alam, Mohammad Ayaz & Mukherjee, Abhijit & Bhattacharya, Prosun & Bundschuh, Jochen. (2023). An appraisal of the principal concerns and controlling factors for Arsenic contamination in Chile. Scientific Reports. 13. 10.1038/s41598-023-38437-7.

2. Lundin 2022 Mineral Resource and Mineral Reserves Estimates Statement News Release dated 8 February 2023
3. Andean Geology 48 (1): 1-23. January 2021 (Gold Deposits in Chile; Jose Cabello)

### About Lodestar

Lodestar Minerals is an active base metal and gold explorer. Lodestar's projects, aside from the Darwin Project in Chile, comprise the 100% owned Earacheedy and Ned's Creek projects in Western Australia (Figure 5).

Lodestar also has exposure to lithium via its 27.5M performance rights in Future Battery Minerals (ASX:FBM) who own the Kangaroo Hills and Miriam lithium Projects in Western Australia.

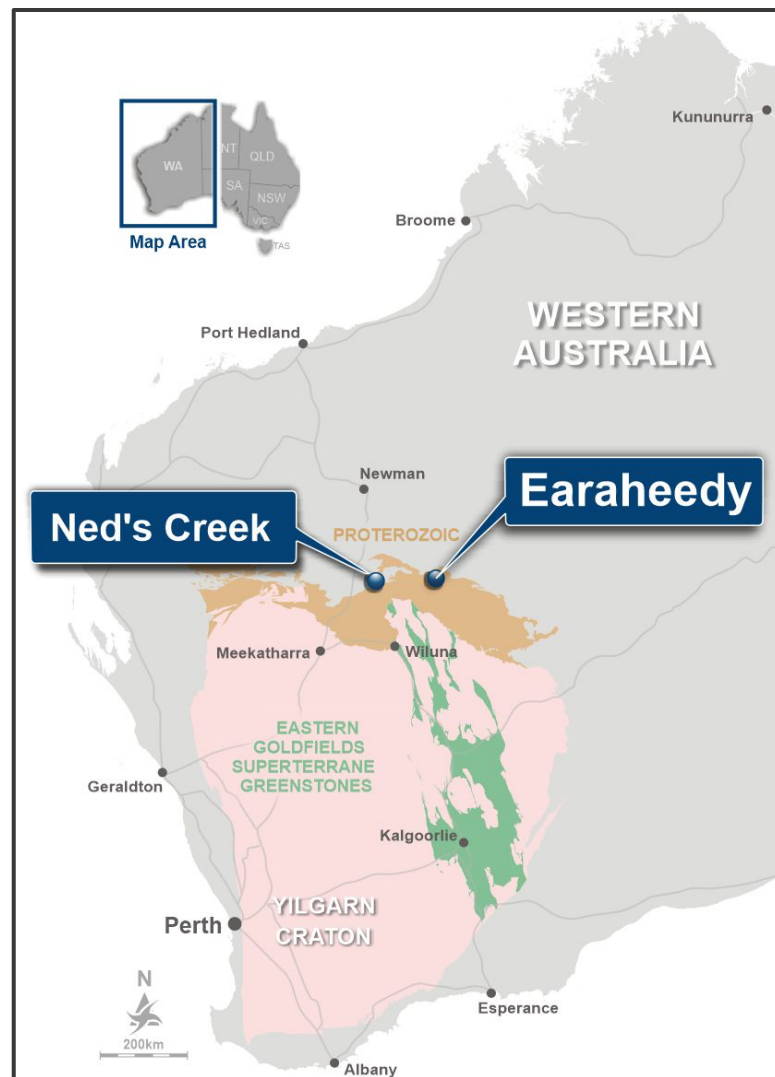


Figure 5: Lodestar's WA Project locations

This announcement has been authorised by the Board of Directors of the Company.

**-ENDS-**

### Contacts

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### Competent Person Statement

*The information in this report that relates to Exploration Results is based on information compiled by Ed Turner, Managing Director, who is a Member of the Australasian Institute of Geoscientists and has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Turner consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.*

*This announcement is available to view on the Lodestar website. The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement. The company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.*