



*Presentation*  
June 2025

**ASX: LSR**

# Important Notices



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## Competent Persons Statement

*The information in this report that relates to Exploration Targets and Exploration Results is based on information compiled by Ms Coraline Blaud, who is a Competent Person and a Member of the Australian Institute of Geoscientists. Ms Blaud is a Non-executive Director of Lodestar Minerals Limited. Ms Blaud 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 the reporting of Exploration Results, Mineral Resources and Ore Reserves". Ms Blaud consents to the inclusion in the report of the matters based on her information in the form and context in which it appears. The information in this announcement that relates to previously released exploration results was disclosed under JORC 2012 in the ASX announcements dated:*

- **Lodestar Minerals ASX announcement 15<sup>th</sup> December 2021**
- **Lodestar Minerals ASX announcement 10<sup>th</sup> July 2023**
- **Future Battery Minerals announcement 7<sup>th</sup> August 2023**
- **Lodestar Minerals ASX announcement 9<sup>th</sup> December 2024**
- **Lodestar Minerals ASX announcement 15<sup>th</sup> January 2025**
- **Lodestar Minerals ASX announcement 12<sup>th</sup> May 2025**

*These announcements are 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.*

## Board and Senior Management

### *Head of Exploration – Coraline Blaud*

- Geologist with 10 years' experience in the junior mining sector working across multiple commodities including base metals, precious metals, lithium and potash in Western Australia, Europe and Africa
- Significant experience in Greenfields exploration and Resource Definition including the Abra Base Metal Deposit (Galena Mining Ltd) and the Menzies Gold Project (Kingwest Resources Ltd) in Western Australia

### *Executive Chairman – Ross Taylor*

- Chartered Accountant and finance professional with extensive experience in global investment banking and financial markets
- Senior positions with Deutsche Bank, Bankers Trust and Barclays Capital
- Largest shareholder in Lodestar

### *Non-Executive Director – David McArthur*

- Chartered Accountant with broad range of experience in financial and corporate management of public listed companies
- 35+ years experience in the mining industry including being an executive director for gold producing companies in Australia and overseas
- 2<sup>nd</sup> largest shareholder in Lodestar

## Capital structure

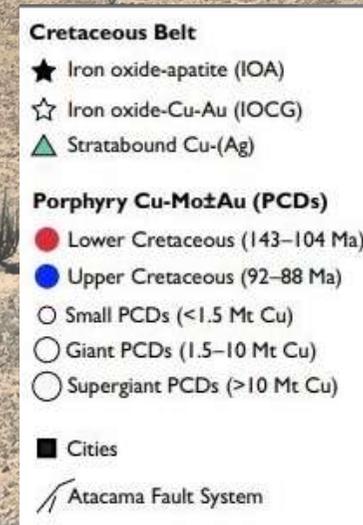
ASX code	LSR
Shares on issue	318,423,882
Options on issue	74.7m
Share price	\$0.006
Market capitalisation	A\$1.9m
Directors	9.68%
Top 20 shareholders	35%

### *Technical Adviser – Chile – Gonzalo Henriquez*

- Chilean geologist with 20+ years of experience on mineral exploration combined with applied geoscience, specialist on magmatic-hydrothermal mineral deposits.
- Lead exploration programs in companies such as SRK, BHP and EPG Partners (Chilean Private Equity Fund), exploring for base and precious metals in Chile.

## The Right Location for Discovery: Chile

- Chile is the largest Cu producer in the World and home to numerous IOCG - IOA and Cu-Au Porphyry deposits as well as high-grade Au deposits
- In the centre of Chile's Iron Oxide-Copper-Gold (IOCG) and Porphyry Copper Deposit (PCDs) belt, the largest in the World
- Very high-grade Cu-Au mineralisation from extensive rock chip samples including:
  - Au grades of 247 g/t Au, 229 g/t Au, 195 g/t Au, 185 g/t Au, and 166 g/t Au
  - Cu grades of 8.09% Cu, 7.78% Cu, 4.75% Cu, 3.43% Cu, 3.34% Cu and 3.14% Cu
- Multiple large magnetic anomalies with the potential for IOCG style and PCDs mineralisation at depth



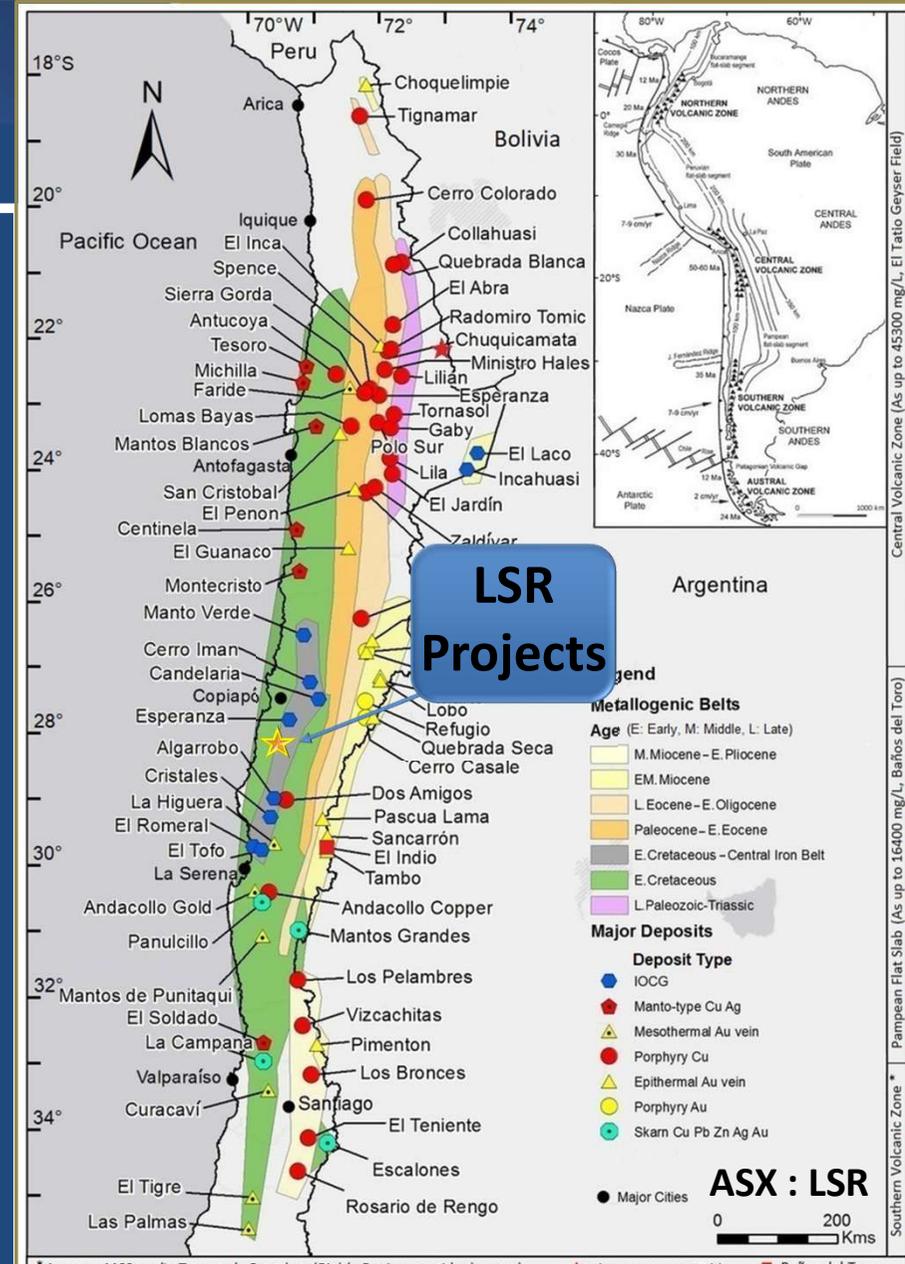
# Darwin and Three Saints Projects: A strategic location

## ➤ Infrastructure:

- Sealed access road crossing the tenement
- 20 km from the main highway, Ruta 5, with high voltage electricity running along the highway
- 75 km southwest of a large mining hub, the city of Copiapó, in Region III, the main mining district of Chile
- 30 km to the sea & 90 km north of the industrial port of Huasco
- In the Coastal Mountain Range, a low altitude range with access all year long

## ➤ Largest near by Mines:

- Candelaria Mine (IOCG), 70 km northeast with a current Measured and Indicated combined resources of 1.4 Mt @ 0.56% Cu, 0.12 g/t Au & 1.9 g/t Ag operated by Lundin Mining (TSX: LUN)<sup>1</sup>
- Dos amigos & Tricolor mines (PCDs), 120 km south with a current inferred resources in the sulphide zone of 320 Mt @ 0.36% Cu and 0.26 g/t Au (CuEq: 0.51%) owned by Tintina Mines Limited (TSXV: TTS)<sup>1</sup>

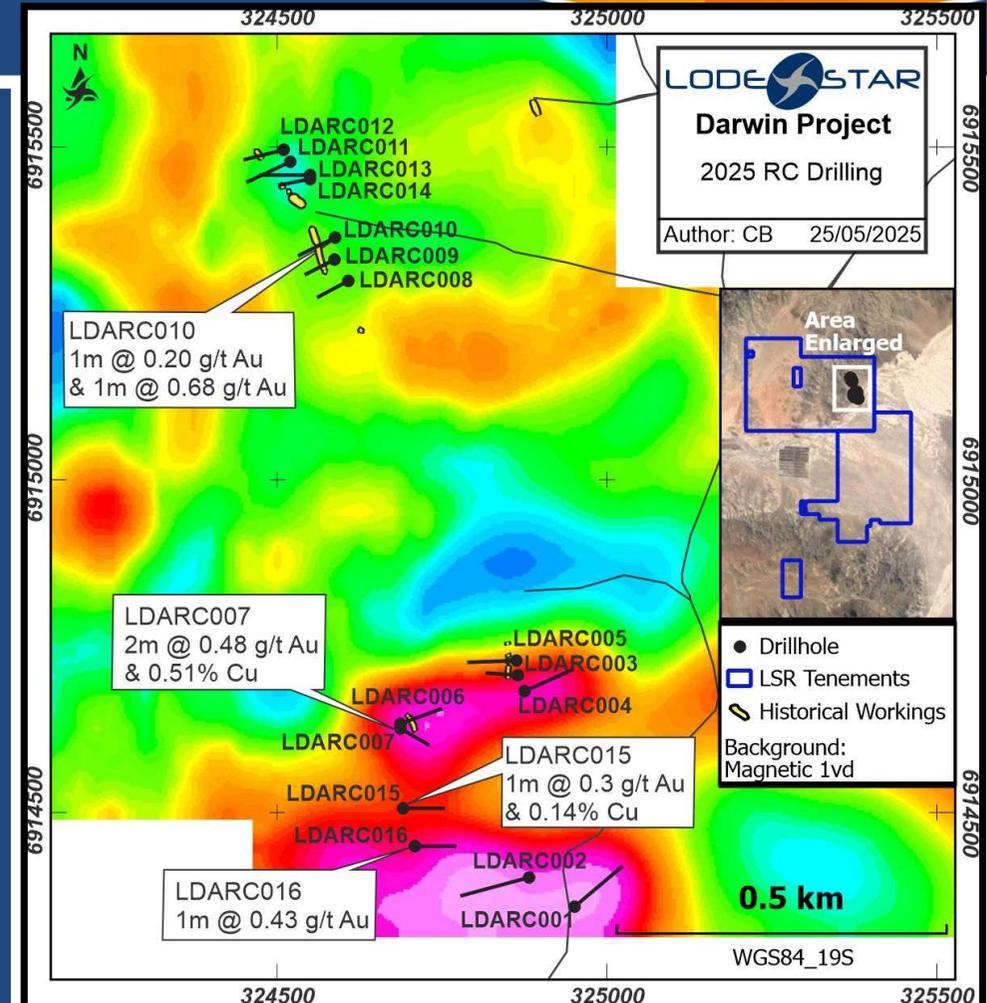


Central Volcanic Zone (As up to 45300 mg/L, El Tatio Geyser Field)  
Pampean Flat Slab (As up to 16400 mg/L, Baños del Toro)  
Southern Volcanic Zone \*

<sup>1</sup> Source: Mineral Resource for each project sourced from publicly available materials (used without the consent of the source), see Appendix for details

# Darwin and Three Saints Projects: *Identified exploration targets*

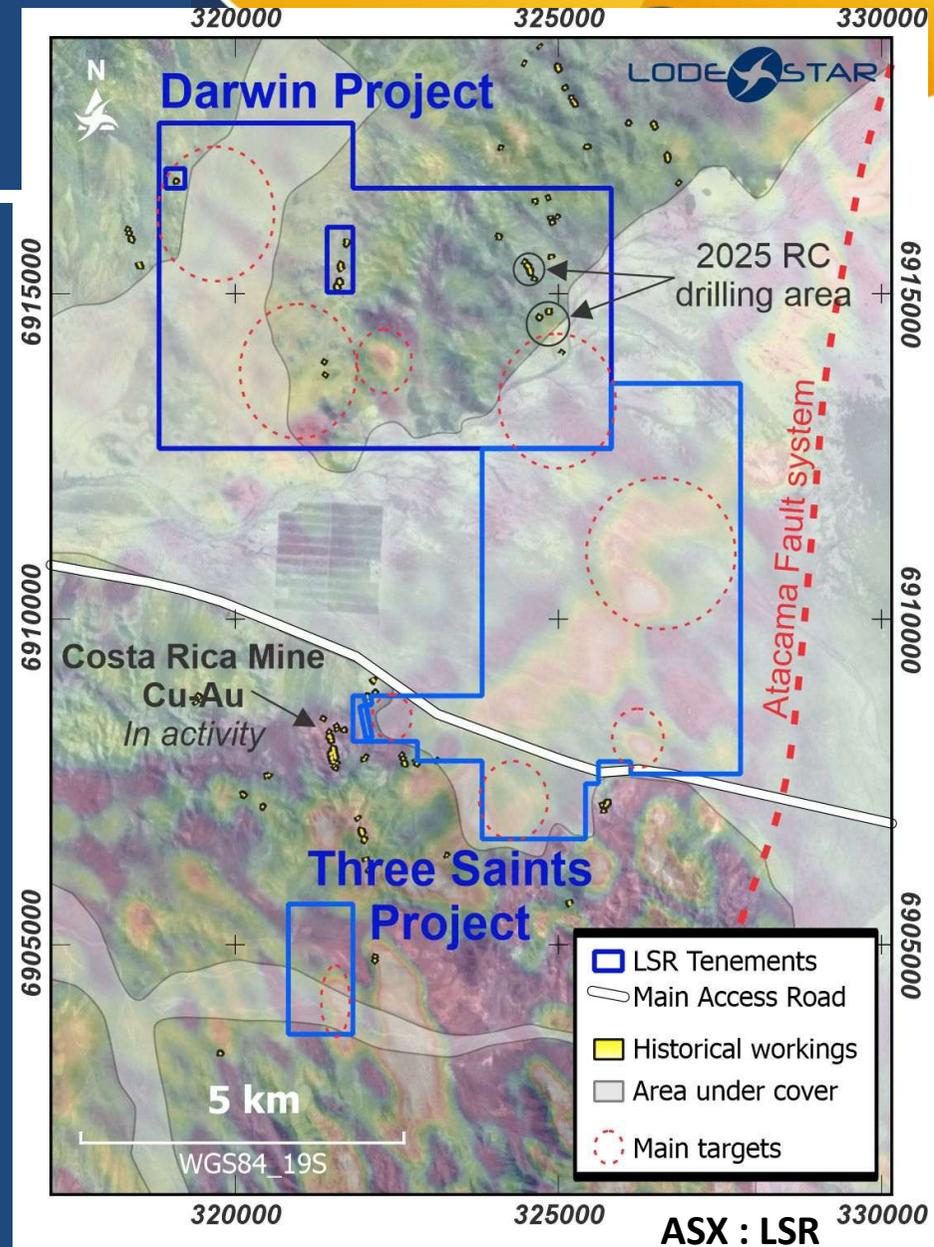
- First pass RC drilling targeted small magnetic anomalies and historical workings
- RC drilling first assays received with > 60% assays still awaited
- Presence of alteration minerals indicating the potential for Porphyry and IOCG type mineralisation as well as high-grade gold veins
- **Strong presence of Quartz/Calcite-rich veins oriented N-S or NW-SE, which correspond to the orientation of the Atacama Fault System, the main mineralised corridor of the Region**
- All historical workings have copper and iron oxides at surface
- **Large areas of both projects are under cover, with strong potential for undiscovered mineralisation at shallow depths**



Significant results from first assays of RC Drilling completed in April 2025, overlaying a magnetic 1vd

# Darwin and Three Saints Projects: *New targets*

- All historical workings within and surrounding the tenements are displaying **copper and iron oxides** and **alteration minerals**
  - Historical workings surrounding our tenement extend up to 1.8km in strike length (Costa Rica 1 mine<sup>3</sup>), and reaching depth up to 240m with mines classified as IOCG and IOA as well as Porphyry
- Multiples mineralised trends with historical mines outside our tenement boundary extending under cover into our tenements
- **Large untested magnetic anomalies** identified under cover as well as numerous structures branching of the main feeder structure: the Atacama Fault system
- The tenements are underexplored and prior to our last drilling program, no drilling had taken place on the tenements
- **Geochemistry surface sampling to be completed in July 2025 over the newly defined targets**



<sup>3</sup> Source: Mine information sourced from publicly available materials (used without the consent of the source), see Appendix for details

# Darwin and Three Saints Projects: *Improved knowledge*

- A geological mapping and review of the drilling logging data was completed to evaluate the potential of mineralisation in different areas across our tenements
- The presence of alteration minerals linked to PCDs and IOCG-type mineralisation is highly encouraging for the prospectivity of the ground



Left: Alteration minerals including:  
Copper oxides: Chrysocolla, Atacamite, malachite; Iron oxides: magnetite, specularite hematite, goethite; alteration minerals typical of PCDs and IOCG: chlorite, epidote, calcite, siderite, garnet, actinolite, biotite ...



Visible alteration and mineralisation on a face wall



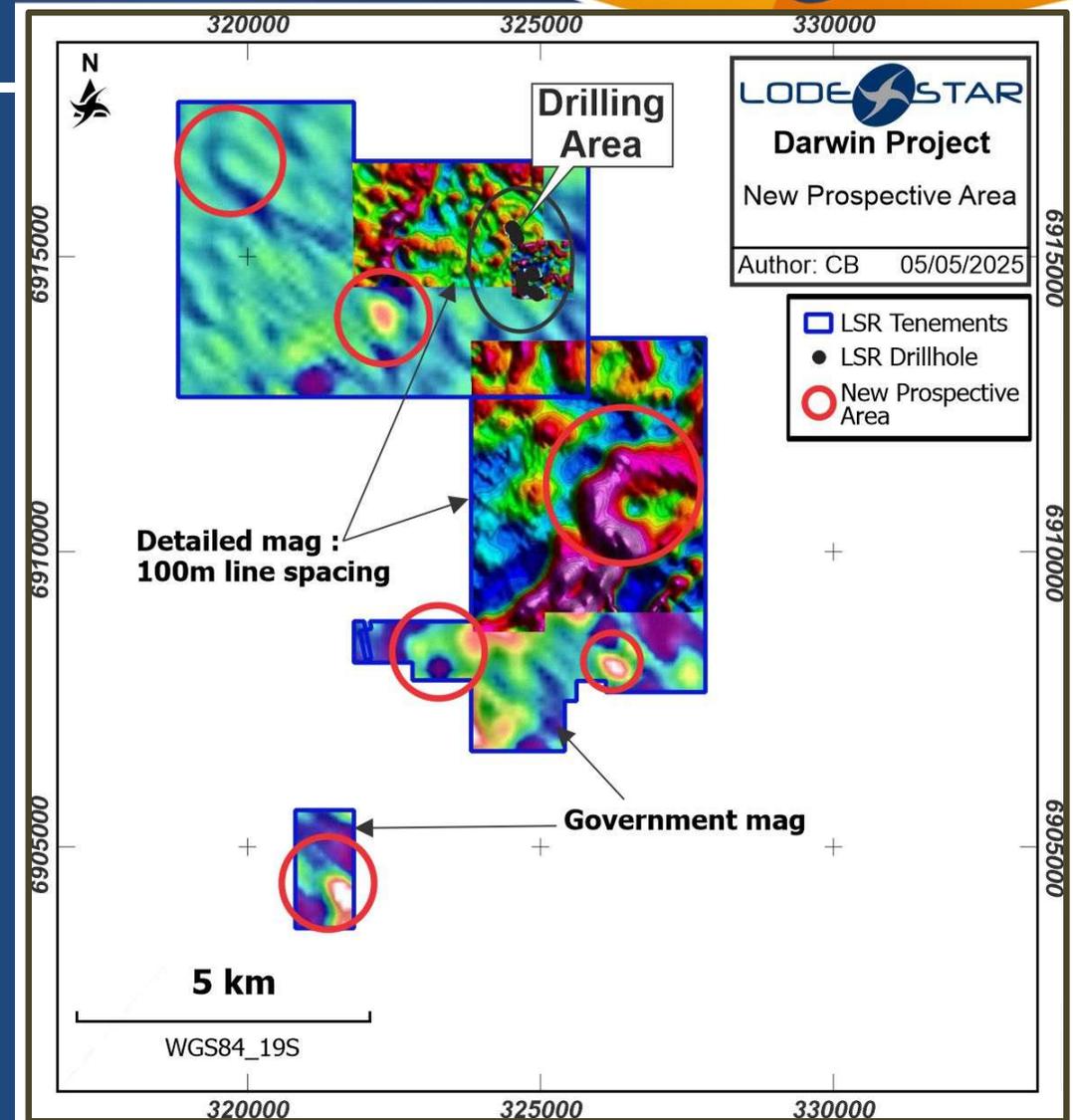
Copper and iron oxides

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# Darwin and Three Saints Projects: *Next steps*

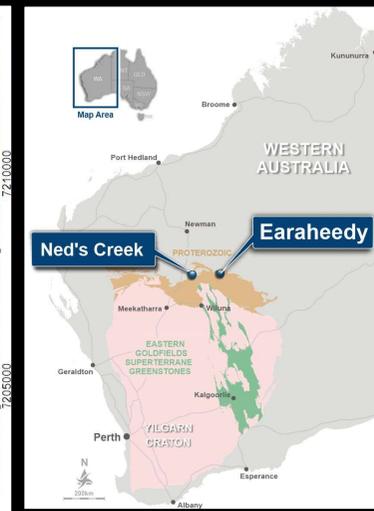
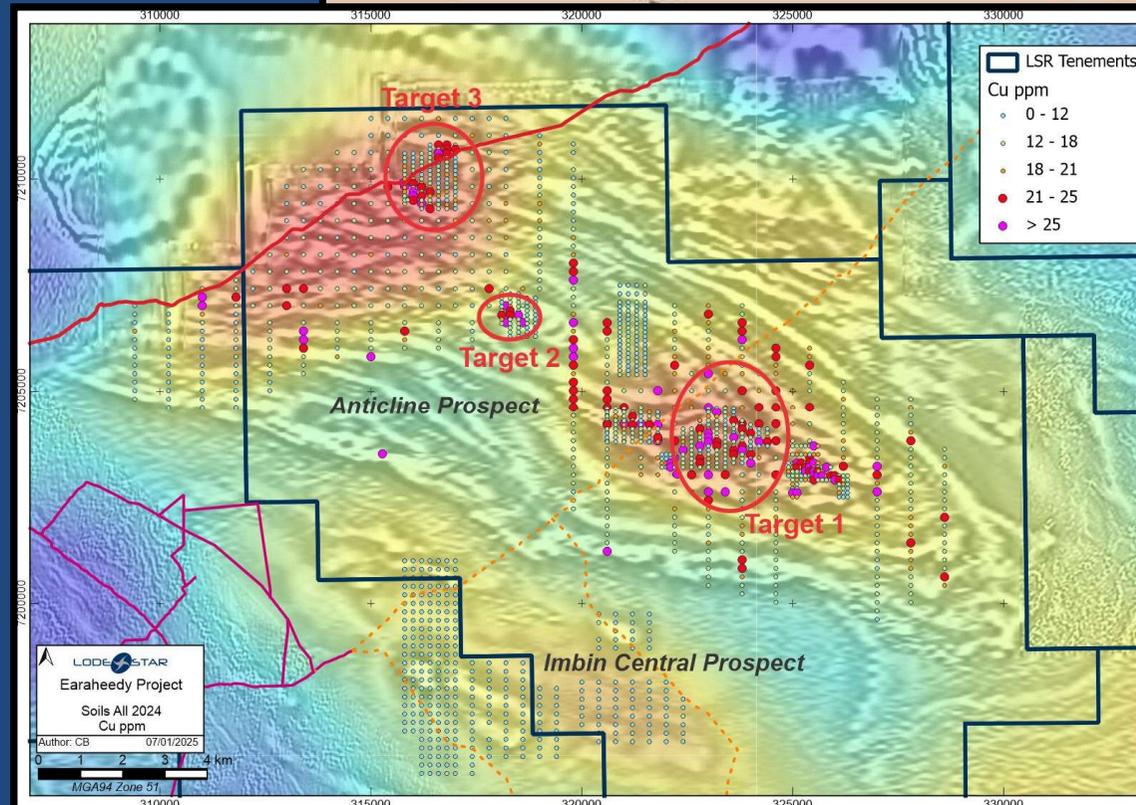
- A magnetometry drone-based survey will be completed over the new tenement in June
- A reconnaissance field visit is planned for mid-June:
  - Re-assay of the Quartz Vein encountered during the RC drilling
  - Planning for soil samples location for early July fieldwork
  - Geological mapping
- A soil sampling program targeting the newly defined targets will be completed in July over the outcropping areas
- Set up of a skilled Chilean geological team with on ground knowledge
- Next stage drilling program expected September

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# Earaheedy Project: Cu & Au

- 800 square km land package in the Earaheedy Basin
- VMS Style potential: Emerging Earaheedy metallogenic terrane, same age as DeGrussa (Cu)
- E69/3532 recently granted and has undergone first pass soil Geochem sampling (650 samples identified three new target areas requiring follow up)
- Copper in historical drilling at Main Gossan intersected **2m at 4.65% Cu and 3m at 1.97% Cu<sup>1</sup>**
- Detailed geological mapping is planned for these targets in 2025



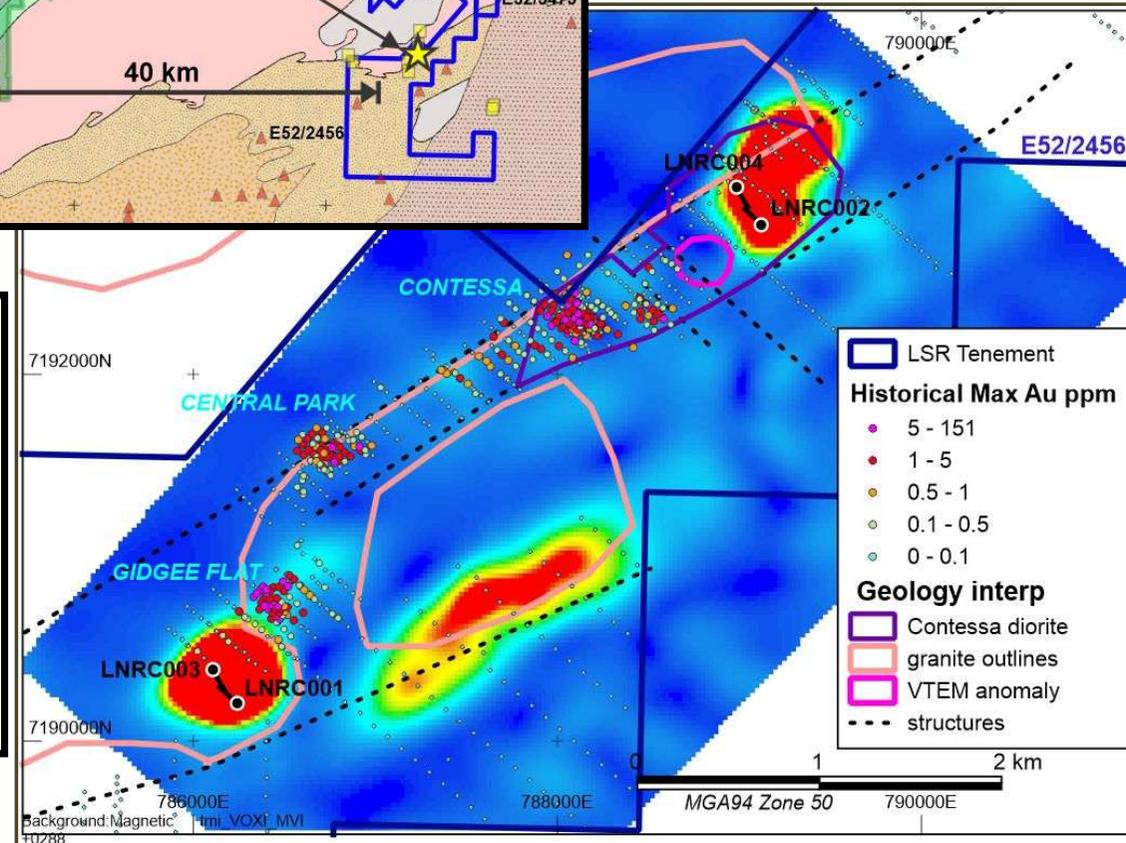
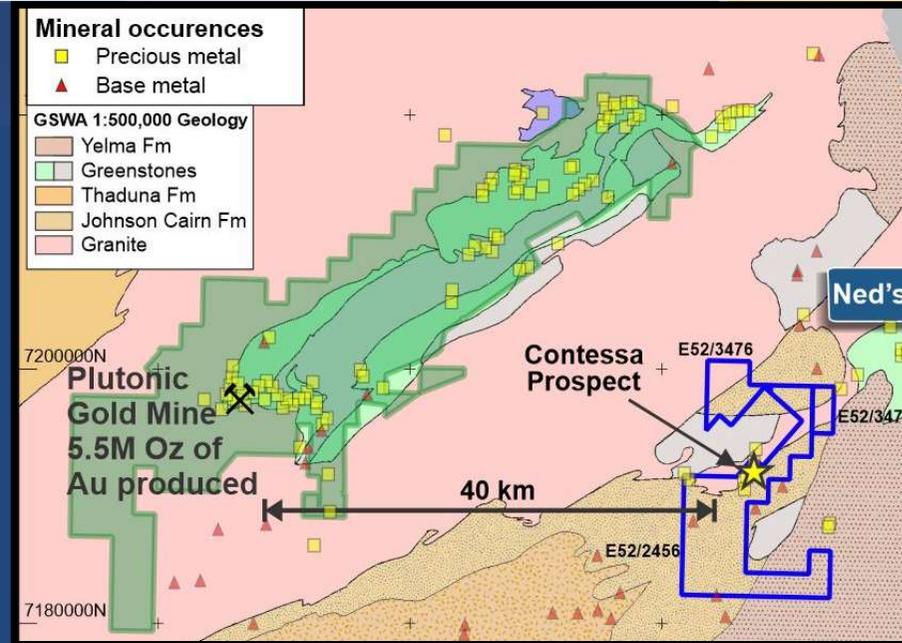
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4. See Lodestar Minerals ASX release dated 15<sup>th</sup> December 2021

# Ned's Creek Project: Au

## Multiple Gold Prospects

- Previous exploration of the Ned's Creek Project returned grades up to 11m @ 29 g/t Au inc 1m @ 151 g/t Au at Contessa<sup>2</sup>
- 40km from the Plutonic Gold Mine and Processing Plant which produced 5.5M Oz of Au since 1990
- All the mineralisation is located along the granite intrusive contact
- Magnetic and VTEM targets tested with four RC holes and did not intersect significant Au but have not fully tested these targets

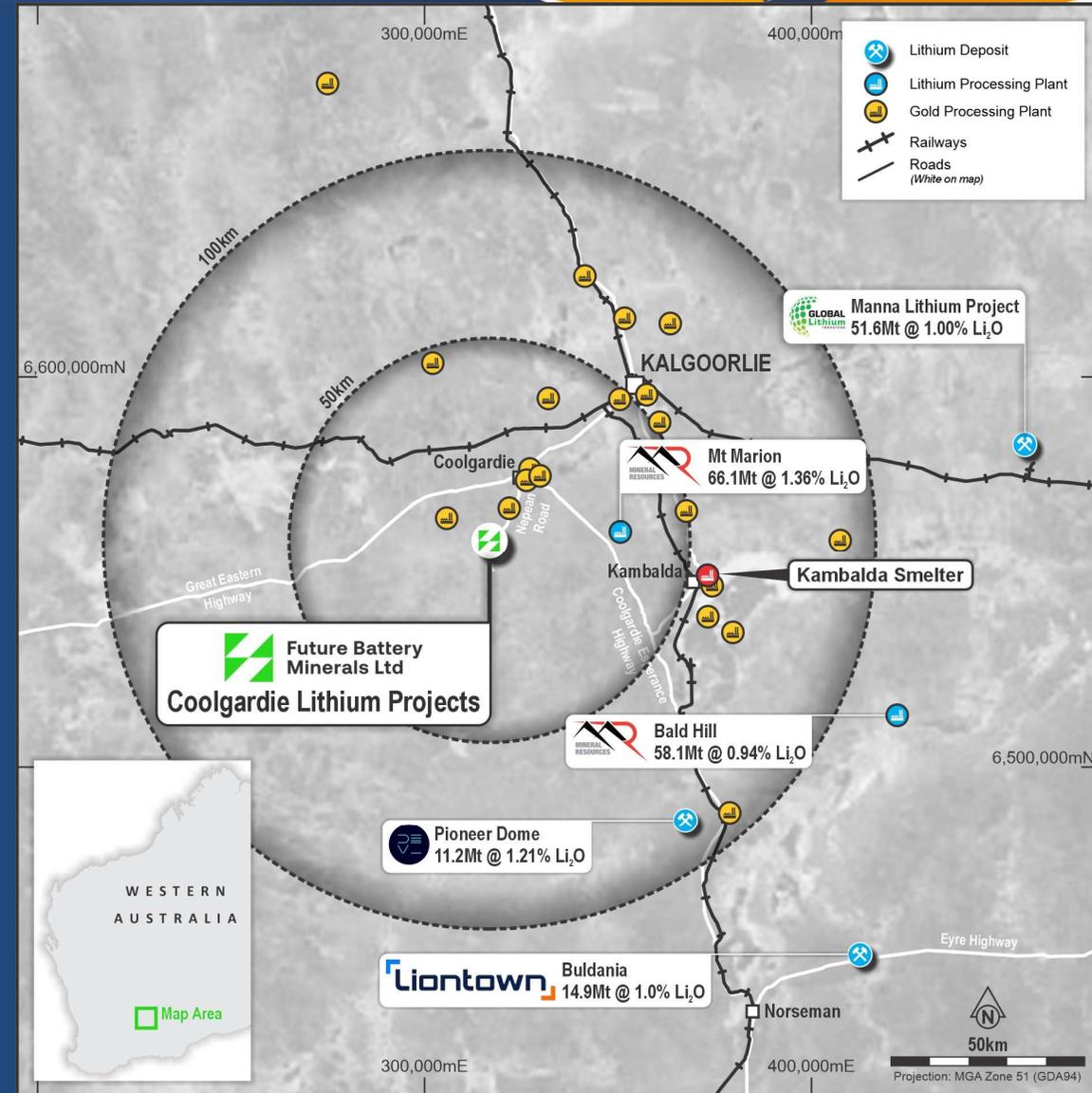


# Strategic Exposure: *Future Battery Minerals*



## *A new LCT Pegmatite Discovery*

- Future Battery Minerals (FBM) owns the Coolgardie Lithium Project in WA
- Coolgardie Lithium Project is 25km south of Coolgardie
- LSR has 27.5M Performance Rights convertible upon FBM proving a Mineral Resource (MRE) of >10Mt @ 1.0% Li<sub>2</sub>O<sup>5</sup>



6. See Lodestar Minerals ASX release dated 7 August 2023

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## *Why Invest in Lodestar Now?*

*Exciting new project creating a busy news flow pipeline over next 6 months with on the ground exploration:*

- ✓ *Last samples from the RC drilling yet to be received*
- ✓ *Re-assay of the quartz veins targeting Au mineralisation intercepted during the drilling*
- ✓ *Soil sampling across the outcrops of the new prospective area to be completed in July*
- ✓ *Expanding our footprint in Chile*
- ✓ *Second round of drilling targeted for Aug/ Sept*



Contact Lodestar Minerals



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## Resource benchmarking data

Mine	Company	Measured				Indicated				Inferred				Total Resource				Resource date
		Mt	Cu %	Au g/t	Ag g/t	Mt	Cu %	Au g/t	Ag g/t	Mt	Cu %	Au g/t	Ag g/t	Mt	Cu %	Au g/t	Ag g/t	
Candelaria	Lundin Mining	518	0.39	0.09	1.3	589	0.58	0.13	1.8	122	0.56	0.11	1.4	1,442	0.56	0.12	1.9	Dec, 2024
Carmen de andacollo	Teck	126	0.32	0.1		112	0.29	0.1						238	0.31	0.1		Dec, 2024
Dos Amigos	Tintina Mines									320.6	0.36	0.26		320.6	0.36	0.26		Jan, 2025

## Reference data

Mine	Company	Hyperlink
Candelaria	Lundin Mining	<a href="https://lundinmining.com/operations/reserves-and-resources/">https://lundinmining.com/operations/reserves-and-resources/</a>
Carmen de andacollo	Teck	<a href="https://www.teck.com/media/AIF-2025.pdf">https://www.teck.com/media/AIF-2025.pdf</a>
Dos Amigos	Tintina Mines	<a href="https://tintinamines.com/wp-content/uploads/2025/01/20250123_TTS_News-Release_Files_-NI-43-101-for-the-Domeyko-Sulfuros-Project-.pdf">https://tintinamines.com/wp-content/uploads/2025/01/20250123_TTS_News-Release_Files_-NI-43-101-for-the-Domeyko-Sulfuros-Project-.pdf</a>
Costa Rica 1	Private	<a href="https://portalgeo.sernageomin.cl/sia/PDF_Complete/ficha_yacimiento_1567_23122014.pdf">https://portalgeo.sernageomin.cl/sia/PDF_Complete/ficha_yacimiento_1567_23122014.pdf</a>