
LITCHFIELD
MINERALS LIMITED
FAST, FOCUSED, A RETURN
TO EXPLORATION
THAT WORKS

DISCLAIMER

Nature of Document
This presentation has been prepared by Litchfield Minerals Limited (ACN 612 660 429) ("Litchfield" or "the Company") in connection with a proposed capital raising comprising a Placement to sophisticated and professional investors and a Share Purchase Plan (SPP) to eligible shareholders. It contains summary information about the Company and its activities as at the date of this presentation. The information in this document is of a general nature and does not purport to be complete or contain all the information that a prospective investor may require in evaluating a possible investment in the Company.

While all reasonable care has been taken in preparing this presentation, the Company, its officers, employees, advisers and agents do not represent or warrant the accuracy or completeness of this information and take no responsibility for any loss or damage suffered as a result of reliance on this presentation or its contents.

Not an Offer or Disclosure Document
This presentation is not a prospectus, product disclosure statement or other disclosure document for the purposes of the Corporations Act 2001 (Cth) ("Corporations Act") and has not been lodged with the Australian Securities and Investments Commission (ASIC). It is provided for information purposes only and does not constitute an invitation, offer or recommendation to subscribe for or purchase any securities in the Company in any jurisdiction. Any offering of securities will be made in accordance with applicable exemptions under the Corporations Act and other applicable laws.

Not Financial Product Advice
This presentation is not and does not constitute financial product or investment advice, legal advice, taxation advice, or a recommendation to acquire securities in the Company. It has been prepared without taking into account your investment objectives, financial circumstances or particular needs. Before making any investment decision, you should consult your professional legal, financial, taxation or other adviser and consider your own objectives, financial situation and needs.

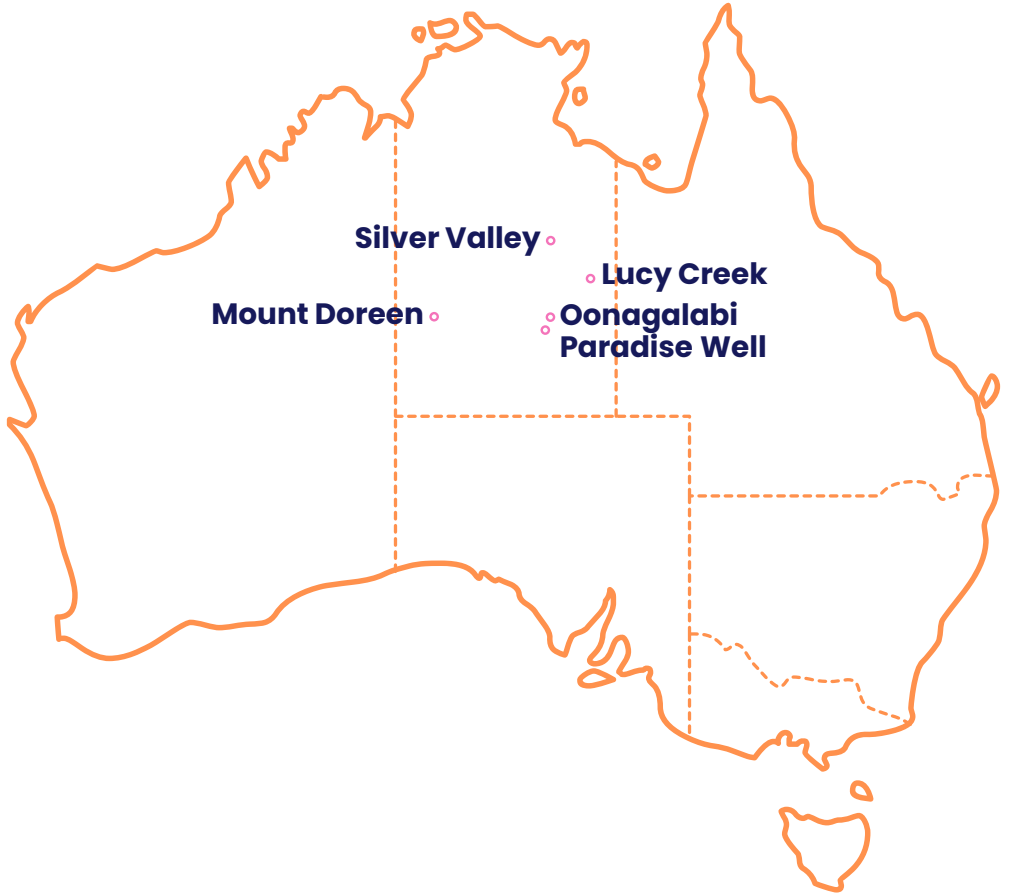
Forward-Looking Statements
This presentation contains certain forward-looking statements with respect to the operations, performance and financial condition of the Company. Forward-looking statements can generally be identified by the use of forward-looking words such as "may", "will", "expect", "intend", "plan", "estimate", "anticipate", "outlook" and "guidance", or other similar expressions. Forward-looking statements involve known and unknown risks, uncertainties, assumptions and other important factors, many of which are beyond the control of the Company. Actual results may differ materially from those expressed or implied by any forward-looking statements. No representation or warranty is made as to the accuracy, completeness or reliability of the forward-looking statements. The Company does not undertake to update or revise any forward-looking statement unless required by law.

Disclaimer
To the maximum extent permitted by law, the Company, its directors, officers, employees, agents and advisers disclaim all liability for any loss or damage suffered or incurred through reliance on the accuracy or completeness of the information contained in this presentation. The Company is under no obligation to update or keep current the information contained in this presentation or to correct any inaccuracy or omission which may become apparent. Any opinions expressed in this presentation are subject to change without notice. Listing Rule 5.23 The Company confirms that it is not aware of any new information or data that materially affects the information included in those market announcements and that all material assumptions and technical parameters underpinning the exploration results continue to apply and have not materially changed.

LITCHFIELD OVERVIEW

Exploration Focused, With Potential For Major Near-term Discoveries In The Northern Territory, Surrounded By High-quality Critical Minerals Explorers And Developers.

- A truly exploration focused company with a **proven track record** of commitment to strategic, data-driven discovery.
- Leveraging our **technical expertise** and operational discipline, we aim to deliver sustainable, long-term growth for our shareholders. This will be achieved through focused, rapid exploration, strategic project development, and timely strategic exits.
- Our strategy is built around **acquiring and developing & then exiting** high-potential assets in mining-friendly jurisdictions, with a strong focus on copper and other base metals projects that will contribute to growing demand.
- Exploration is focused at Oonagalabi, Mount Doreen, Lucy Creek, Paradise Well, and Silver Valley.



EXECUTIVE SUMMARY



STRATEGIC OVERVIEW

Oonagalabi – advanced copper-zinc asset in the NT

Rapid advancement of a previously complex project

Now a key asset in the Litchfield portfolio



KEY VALUE PROPOSITION

Disciplined, brownfield-focused exploration

Capital-efficient: maximise discovery, minimise cost

Monetisation through farm-ins, asset sales, partnerships



INVESTMENT OPPORTUNITY

Lower entry risk via staged, data-backed exploration

High-impact techniques: geophysics & targeted drilling

Clear internal monetisation strategy = real investor returns

CORPORATE OVERVIEW

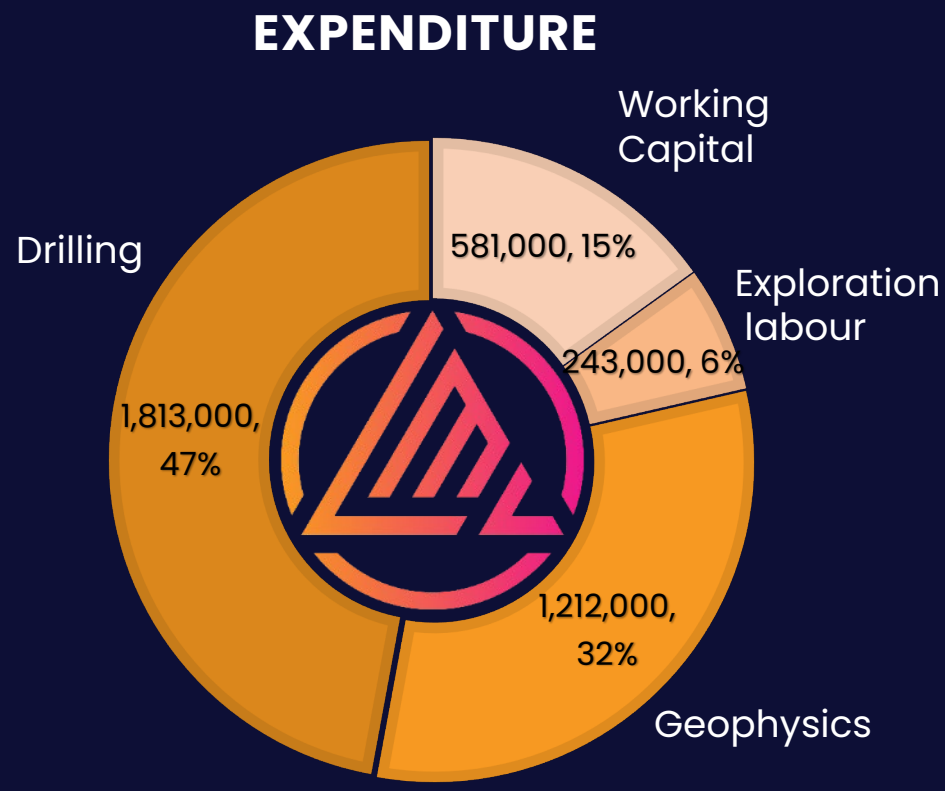
Corporate Structure

Shares on issue	**36,238,558**
Share Price	**12c**
Escrowed Shares	**7,776,779**
Market Cap	**~4.3M**
Cash Position	**~$600k** [15]

[15] As per June 2025 Quarterly report

Major Shareholders

Directors	**~18%**
Top 10	**~51%**
Top 20	**~63%**

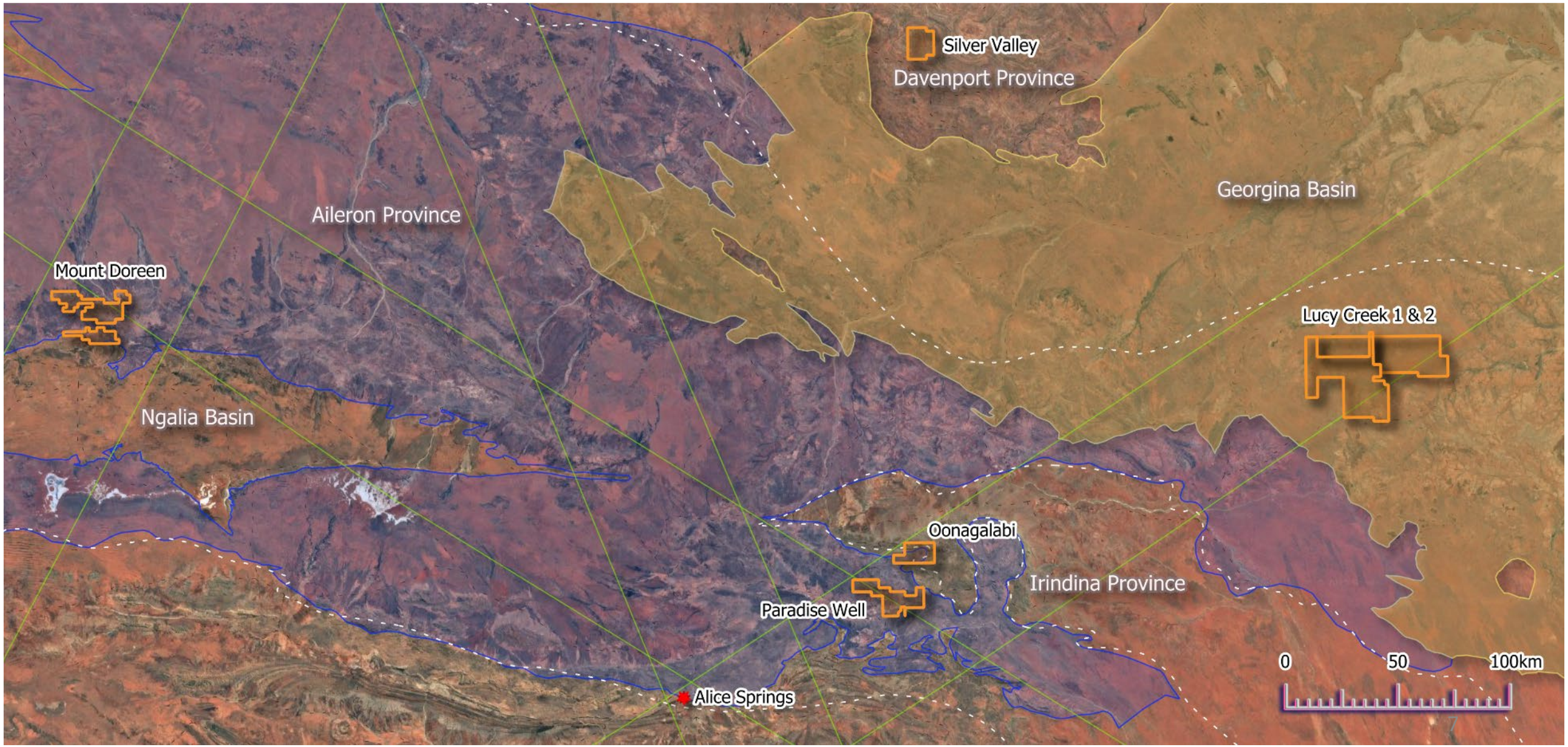


85% of IPO funds raised have been directed towards exploration activities

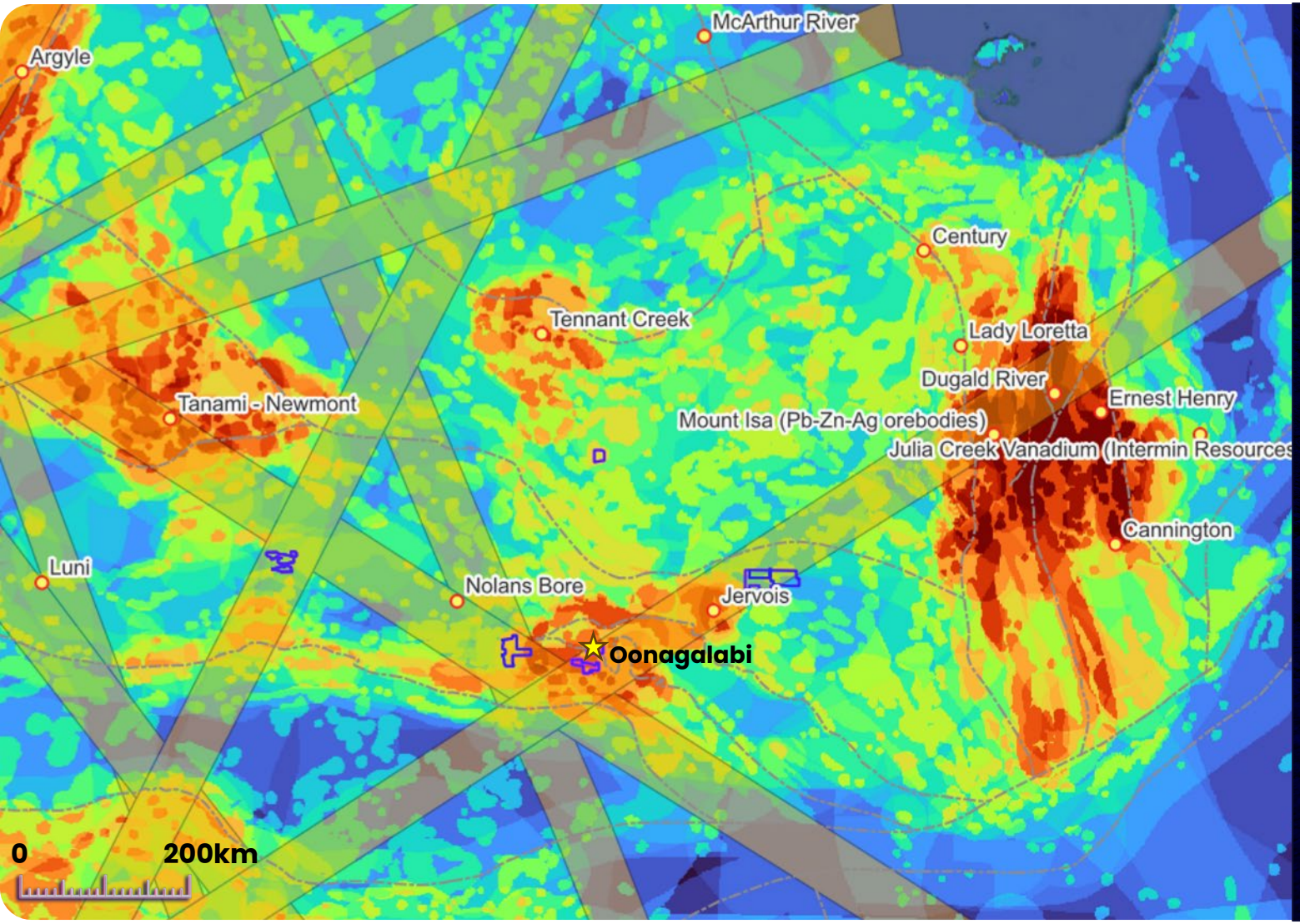
EXPLORATION FOCUSED



NT PROJECTS


Silver Valley
Davenport Province
Georgina Basin
Aileron Province
Mount Doreen
Lucy Creek 1 & 2
Ngalia Basin
Oonagalabi
Irindina Province
Paradise Well
0
50
100km
Alice Springs

LITCHFIELD'S PROJECT PROSPECTIVITY



- **IOCG Potential at Oonagalabi**: Geoscience Australia's IOCG mineral potential map classifies the Oonagalabi area as having moderate potential for hosting iron oxide copper-gold (IOCG) systems. This assessment is based on a mineral systems approach that considers factors such as metal sources, fluid pathways, and depositional environments. [14]

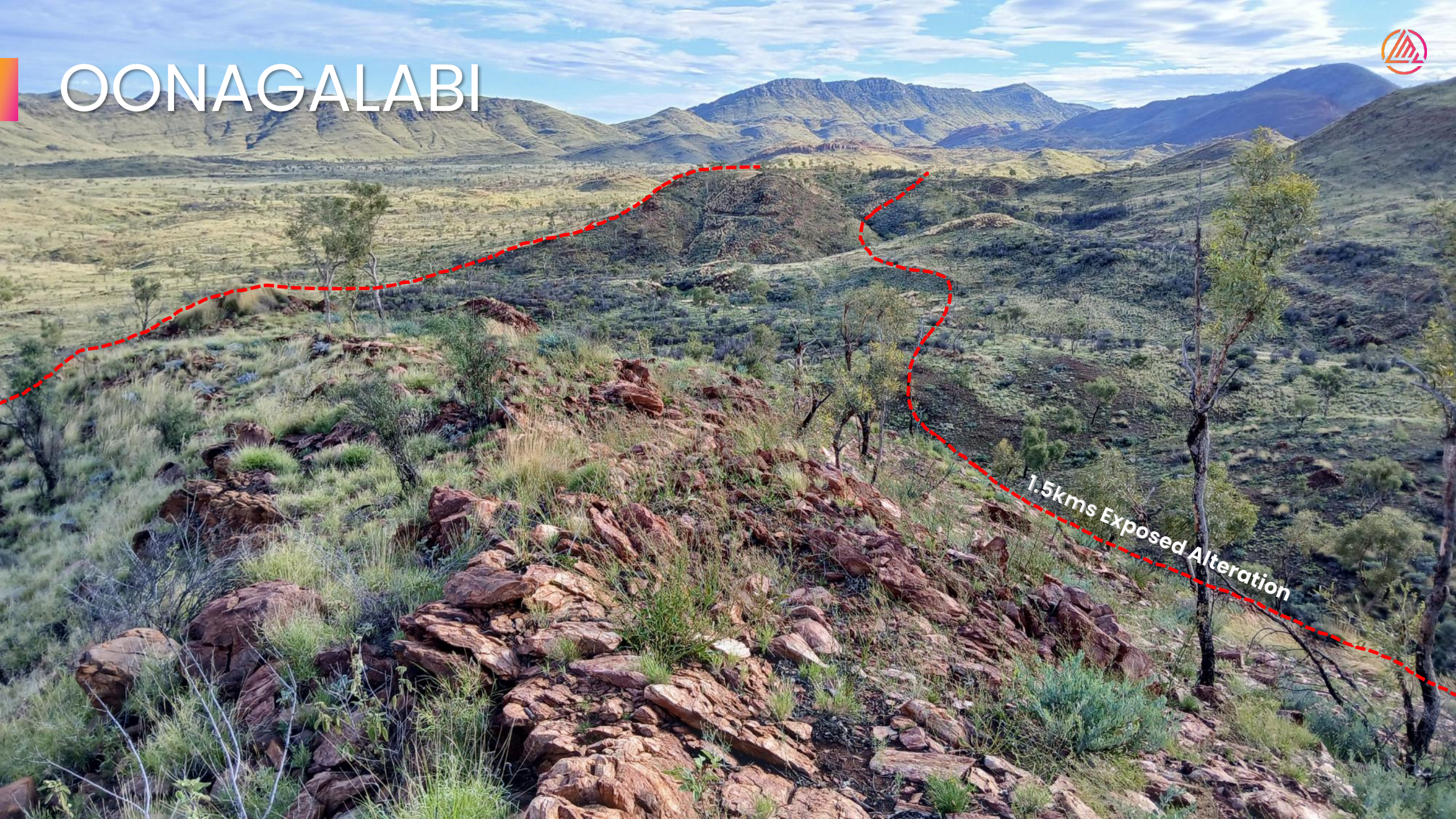
- **Alignment with Continental-Scale Gravity Lineaments:** All of Litchfield's projects are intersected by continent-scale gravity lineaments. These gravity anomalies often correspond to deep-seated crustal structures, which can serve as conduits for mineralising fluids, making them significant indicators in IOCG exploration.

- **Proximity to Major Crustal Boundaries:** The Oonagalabi & Paradise Well projects are situated adjacent to the boundary between the Irindina and Aileron Provinces. Such major crustal structures are known to facilitate fluid flow and are commonly associated with mineral deposits, including IOCG systems.

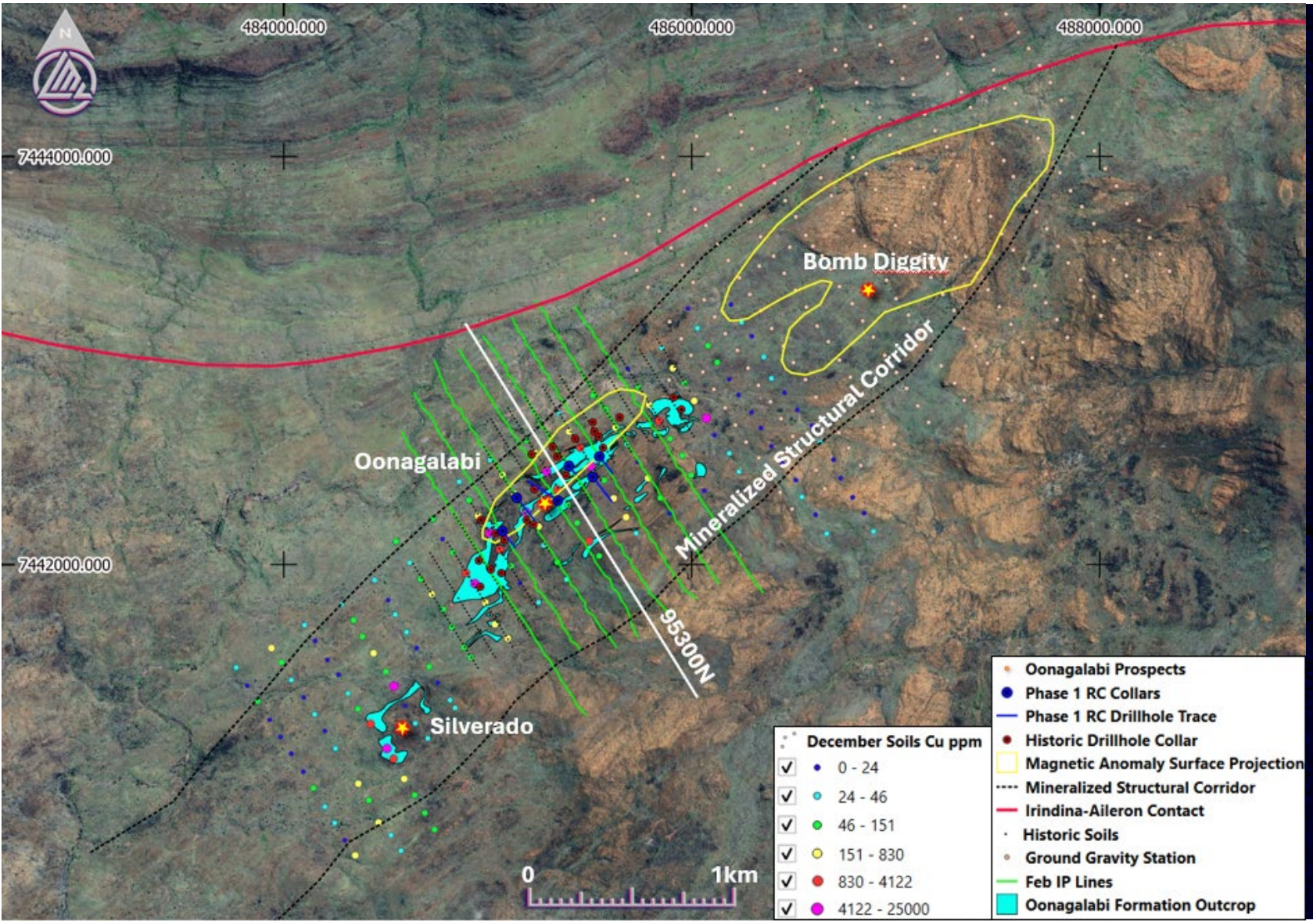
- **Commonality with Tier 1 Deposits:** Deep crustal structural architecture, like that observed in Litchfield's tenements, is a characteristic shared by many of Australia's Tier 1 mineral deposits. These structures often play a crucial role in focusing mineralising processes.

CSIRO – IOCG PROSPECTIVITY HEATMAP

OONAGALABI

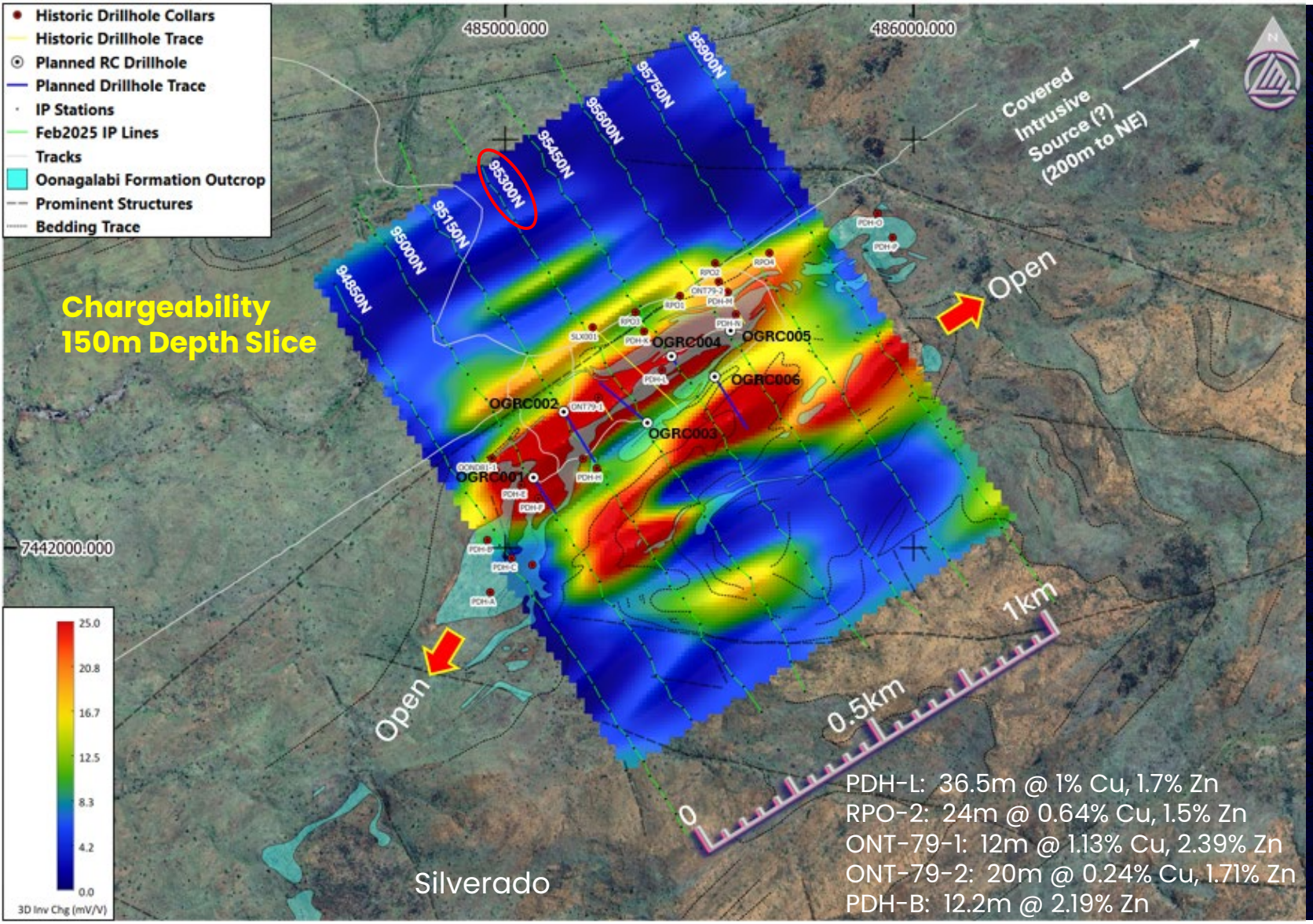


SYSTEM EXPANSION SINCE AQUISITION



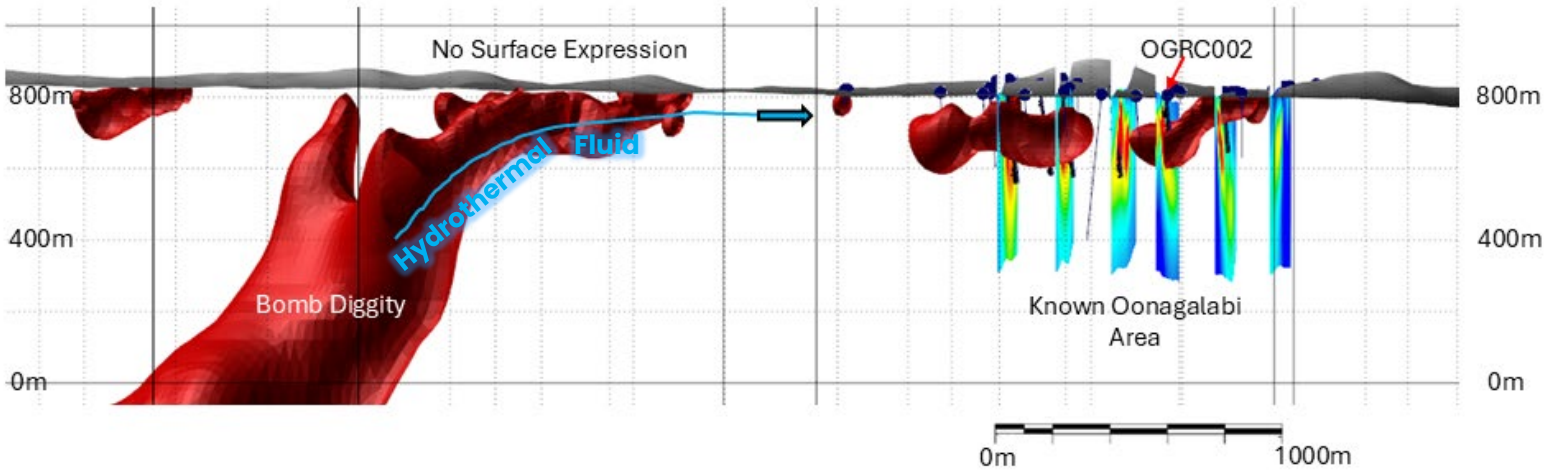
- Mineralisation is hosted exclusively within the Oonagalabi Formation: marble, calc-silicates and garnet quartzite.
- Oonagalabi Formation has 3kms discontinuous strike, 1.5kms continuously exposed strike, with 1km of unfolded width.
- Work completed since acquisition 161 soil samples[1], 13 rock samples[1], 613-line kms of drone magnetics (50m spacing)[2], 13.6-line kms of pole-dipole IP (150m spacing)[3], 1,646m of RC drilling[4], and 231 ground gravity stations (200m x 100m grid).[5]
- Soil geochemistry defines 1kms of strike of +0.4% Cu, +0.4% Zn in central zone.[1]
- IP defines two, parallel, high chargeability anomalies (+900m strike, to 400m deep).[3]
- Drilling intersected broad mineralised intersections. (doubly folded Oonagalabi Formation in largest IP anomalies).[4]

NEW DATA NEW DISCOVERIES: IP



- New Pole-Dipole IP survey defines two, parallel, high chargeability anomalies, +1kms strike, 400m deep, +20mV/V.[3]
- Chargeability anomalies open to the NE and SW, 1kms untested zone to Silverado.
- IP maps disseminated sulphides remarkably well, all 6 RC holes intersected broad mineralised zones.[5]
- Chargeability maps mineralised Oonagalabi Formation in two, parallel synclines.

BOMB DIGGITY



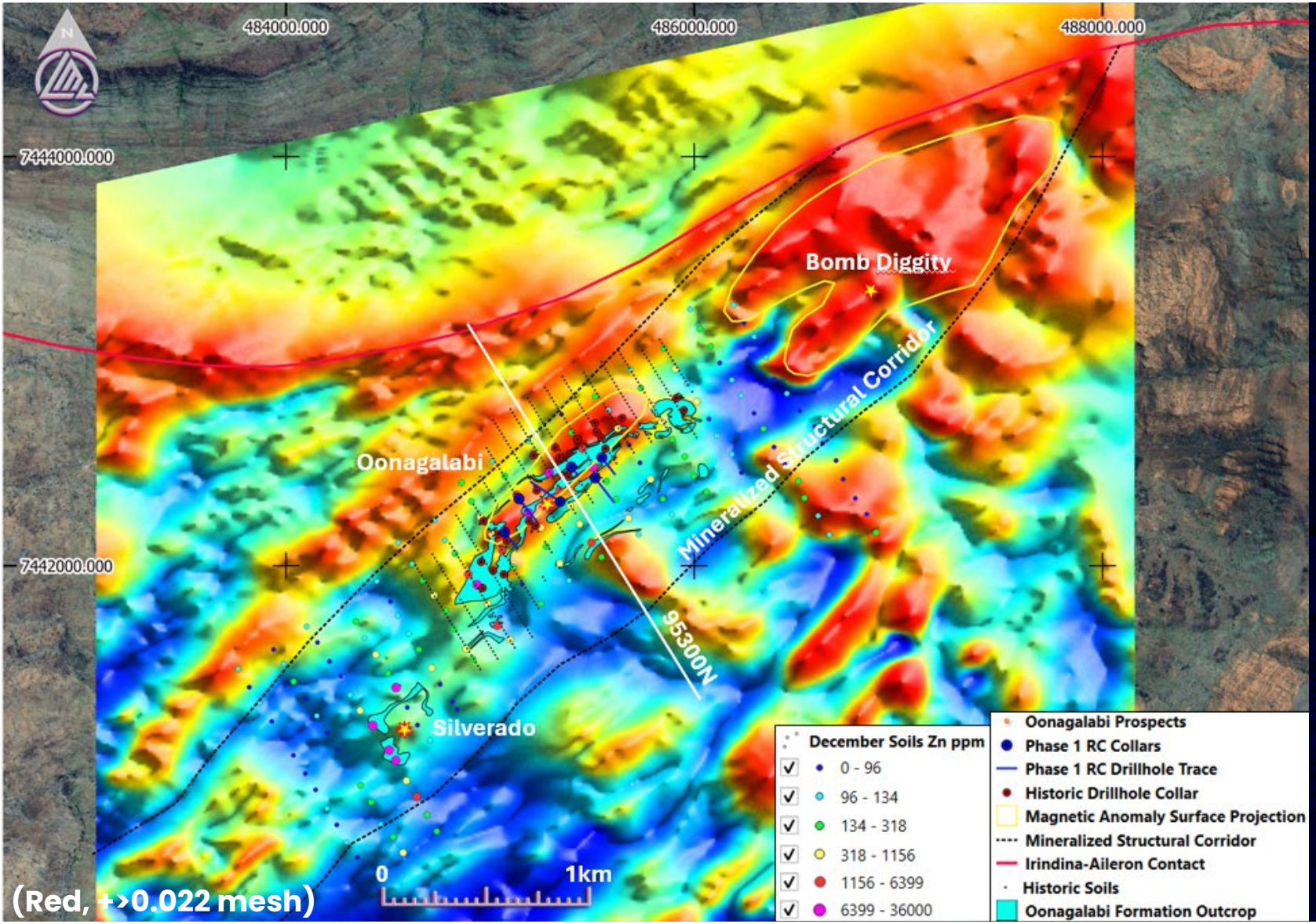
Magnetic (Red, +>0.022 mesh) 3D inversion models, looking South towards Oonagalabi

- Recent drilling at Oonagalabi uncovered gold, silver, and bismuth mineralisation in magnetite-altered zones, suggesting a second mineralising event linked to a large intrusive source.
- Hole OGRC002 intersected high-grade gold-bismuth within a magnetic anomaly 1.5kms from the Bomb Diggity intrusion — a large pipe-like magnetic-gravity body interpreted as the source of the Au-Ag-Bi system.[4]

Key Intercepts – OGRC002
15m @ 0.45 g/t Au, 0.17% Bi, 1.09 g/t Ag
incl. 1m @ 2.86 g/t Au, 0.84% Bi
incl. 1m @ 1.62 g/t Au, 0.58% Bi

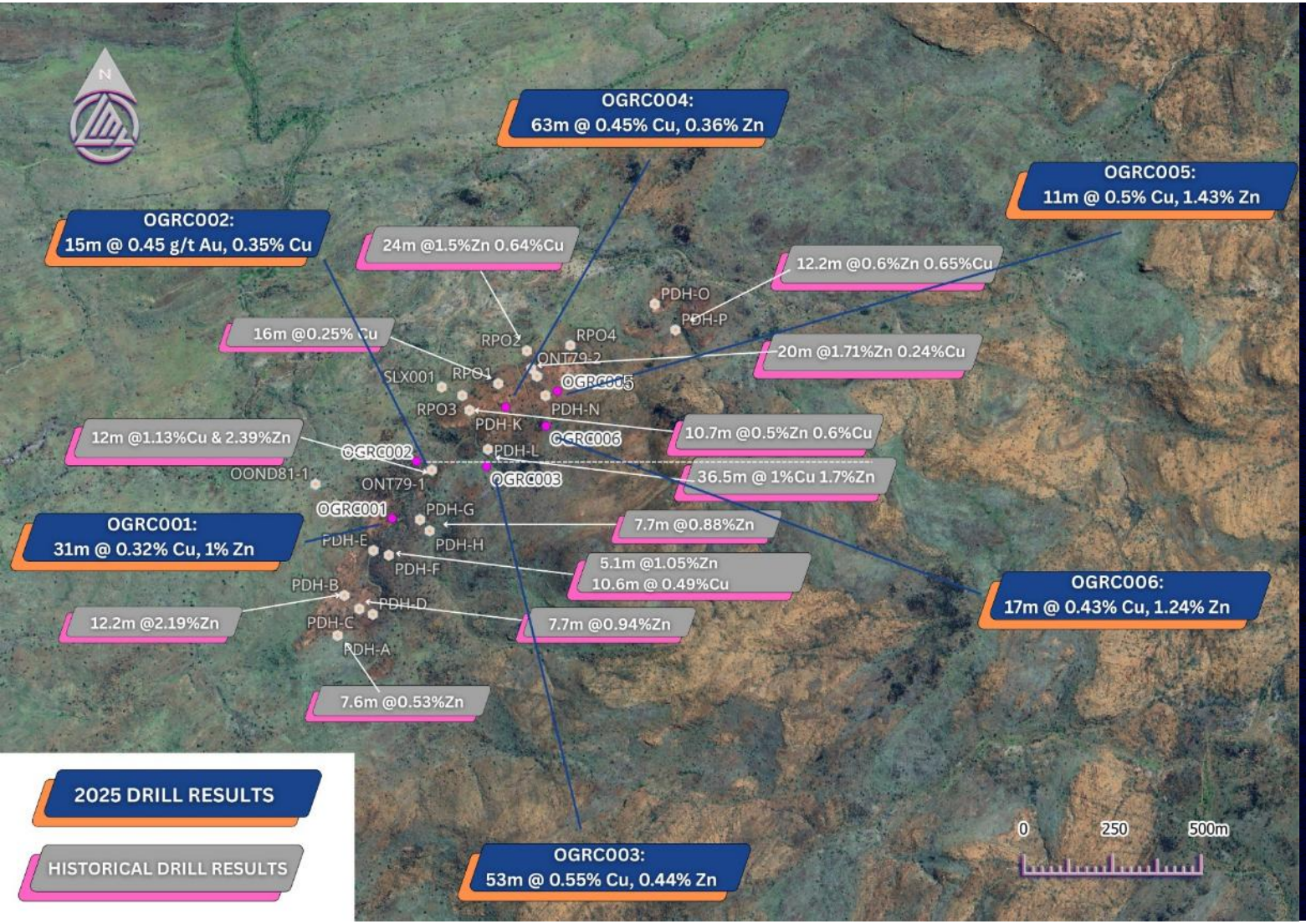
- Similar Tennant creek - magnetite Au-Bi-mineralisation[4] Potentially related to the Bomb Diggity magnetic anomaly.
- Bomb Diggity: heat/fluid/metal source for Oonagalabi or 2nd mineralisation event.

TARGETING SOURCE AT BOMB DIGGITY



- Bomb Diggity is located on the contact of the Irindina – Aileron Province tectonic boundary (thrust contact).
- High resolution data[2] defines discrete magnetic anomaly along western flank of deposit, OGRC002 intersects intense magnetite-Bi-Au-Ag mineralisation.[4]
- Bomb Diggity, large, 'blind', pipe-like magnetic body located 1kms to NE of Oonagalabi.
- Potential intrusive/heat/metal source for Oonagalabi mineralisation or a younger event relating to magnetite Au-Bi-Ag mineralisation.
- Ground gravity defines three density anomalies adjacent to magnetic anomaly.[5]
- Full tenement VTEM planned for late July to test for high grade massive sulphides.

2025 & HISTORIC DRILLING RESULTS



- Historical Drill holes were mainly vertical, shallow holes. This means there is plenty of opportunity for extensions.[13]
- All Drilling has only occurred across 1.3kms of the known 3kms of Mineralisation.

OTHER 2025 DRILL RESULTS[4]

OGRC002

1m @2.86 g/t Au, 0.84% Bi. 2 g/t Ag, 0.30% Cu, 0.13% Pb

1m @ 1.62 g/t Au, 0.58% Bi, 1.8 g/t Ag, 0.58% Cu, 0.14% Pb

OGRC003

14m @ 1.32% Cu, 0.86% Zn, 7.17 g/t Ag 0.13 g/t Au

1m @ 1.07% Cu, 0.48% Zn 10.4 g/t Ag, 0.26 g/t Au

OGRC004

25m @ 0.48% Cu, 0.16% Zn from Surface

39m @ 0.29% Cu, 0.81% Zn from 116m

11m @ 0.25% Cu, 0.74% Zn from 161m

OGRC005

4m @ 0.10% Cu, 0.65% Zn from Surface

8m @ 0.55% Cu, 0.22% Zn from 14m

5m @ 0.30% Cu, 0.55% Zn from26m

4m @ 0.68% Cu, 0.19% Zn from 120m

18m @ 0.19% Cu, 0.67% Zn from 181m

SEARCHING FOR THE HIGH GRADE



High Grade Chalcopyrite rich RC drill chip, coming from the most recent Drilling program

- SEDEX and Skarn systems are well-known for developing high-grade feeder zones near structural or intrusive heat sources.
- At Oonagalabi, broad intercepts of Cu-Zn confirm a large-scale hydrothermal footprint —Phase 1 results suggest we' re drilling a complex system.
- SEDEX-style systems (like McArthur River or Mount Isa) often show: Stratiform mineralisation over large areas, with higher-grade pods near fault intersections or feeder zones.
- Skarn systems (like Red Dog or Antamina) frequently contain: Zoned metal distribution, with higher grades closer to intrusives and steeply dipping structures.
- Tenement-wide VTEM survey scheduled for late July to identify potential massive sulphide conductors for drill testing With Government Funding.

MOUNT DOREEN



MOUNT DOREEN – EL31305

HIGHLY PROSPECTIVE COUNTRY

Sits in the heart of the West Arunta, which is home to WA1's recent Luni Discovery. It also sits on the contact of the Ngalia basin, adjacent to one of Northern Territory's best Uranium deposit (Bigryli).

MULTIPLE MINERALISED AREAS

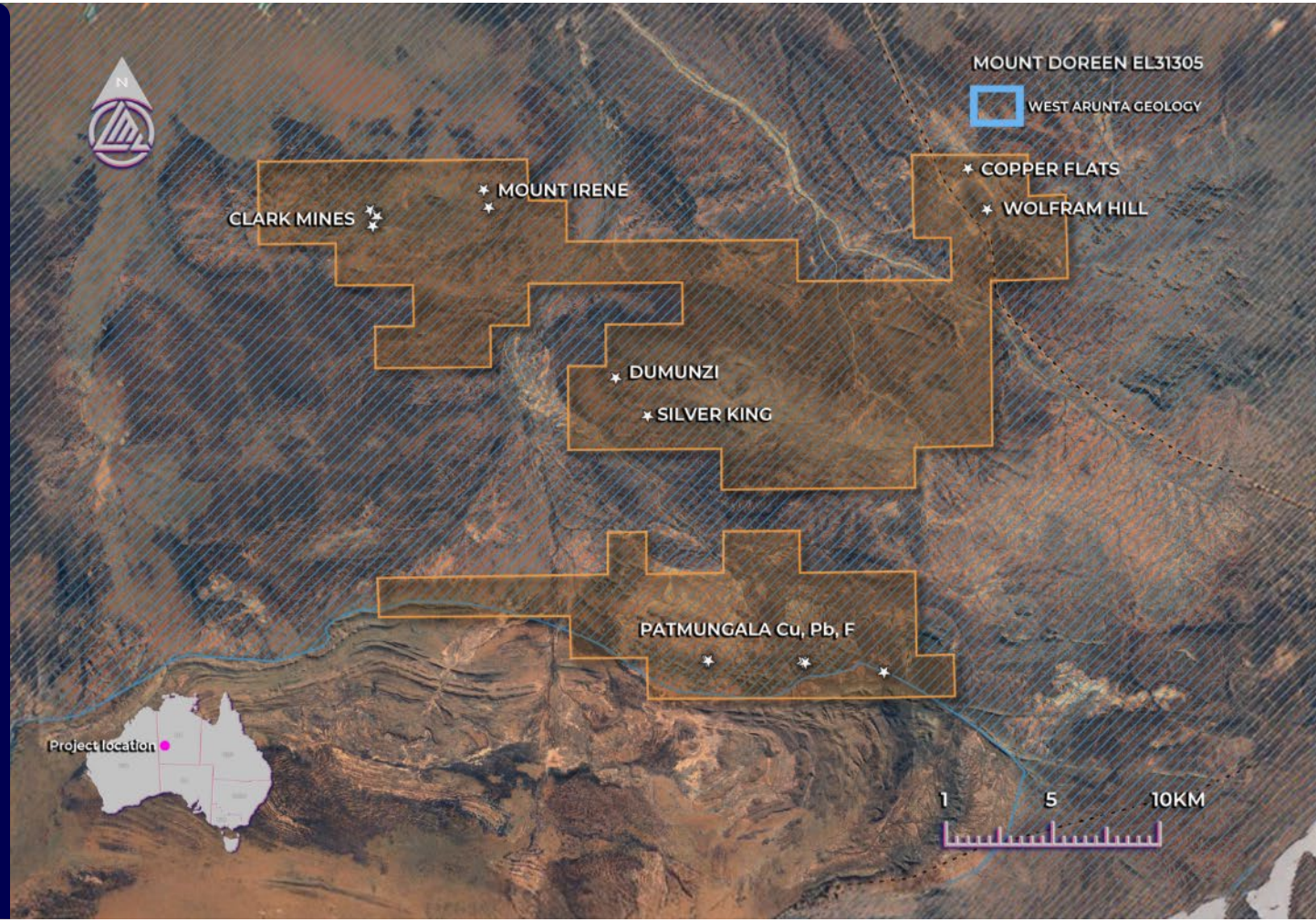
Comprising five mineralised prospects—Silver King, Mount Irene, Wolfram Hill, Clark Mines, and Patmungula—this tenement showcases a variety of polymetallic deposits. Each prospect features a rich blend of copper, lead, zinc, silver, gold, linked by their association with intrusive-related veins, pegmatites, and breccias.

GOOD INFRASTRUCTURE

The Mount Doreen tenement is only 350kms north - northwest of Alice Springs. The tenement is accessible by the newly sealed Tanami road.

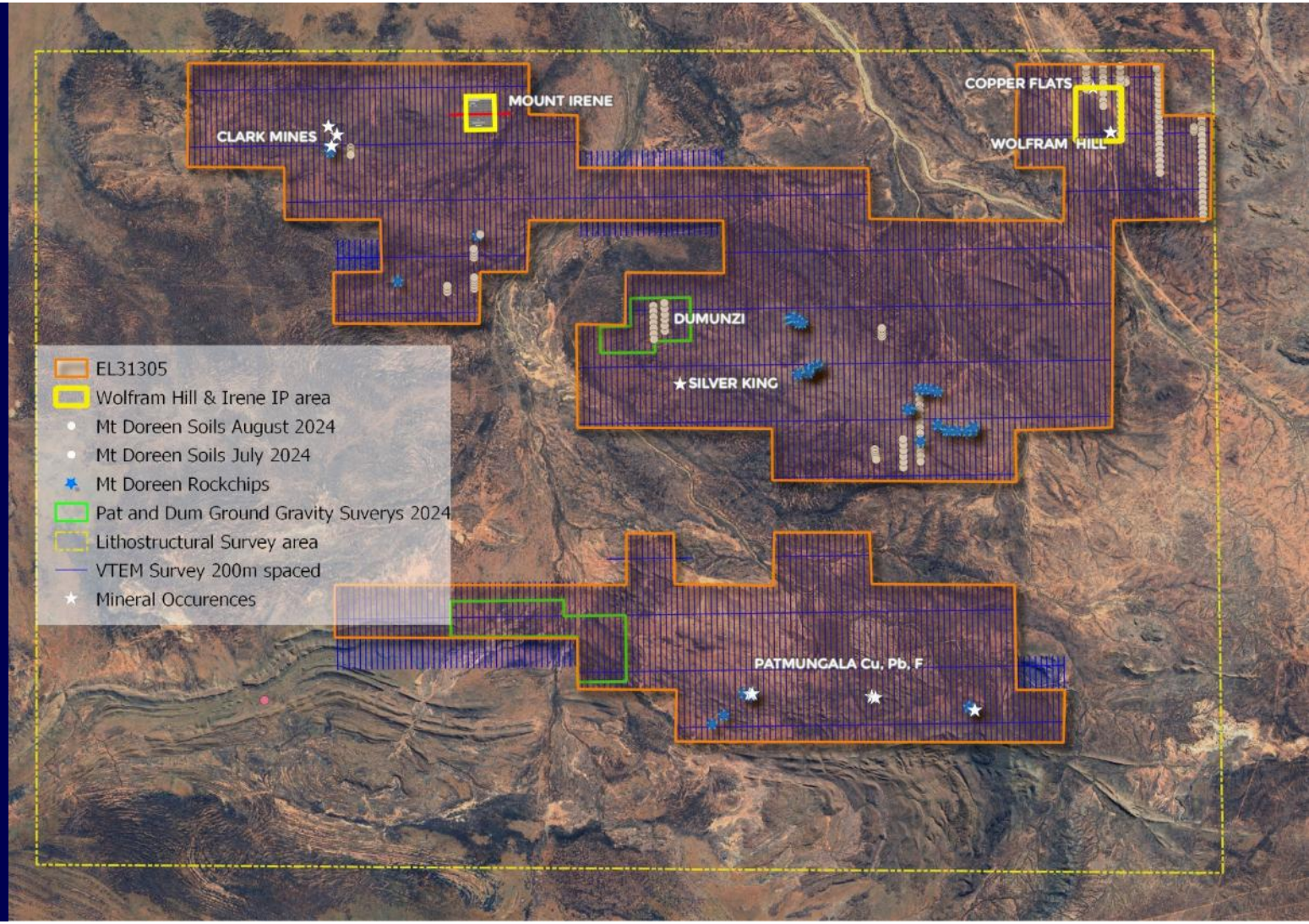
ROAD TO DISCOVERY

Good exploration database including historical and modern geochemical, geological and geophysical data. With 6 walk up target areas to explore and three drilled, we are well on our way to understanding the mineralised systems better.



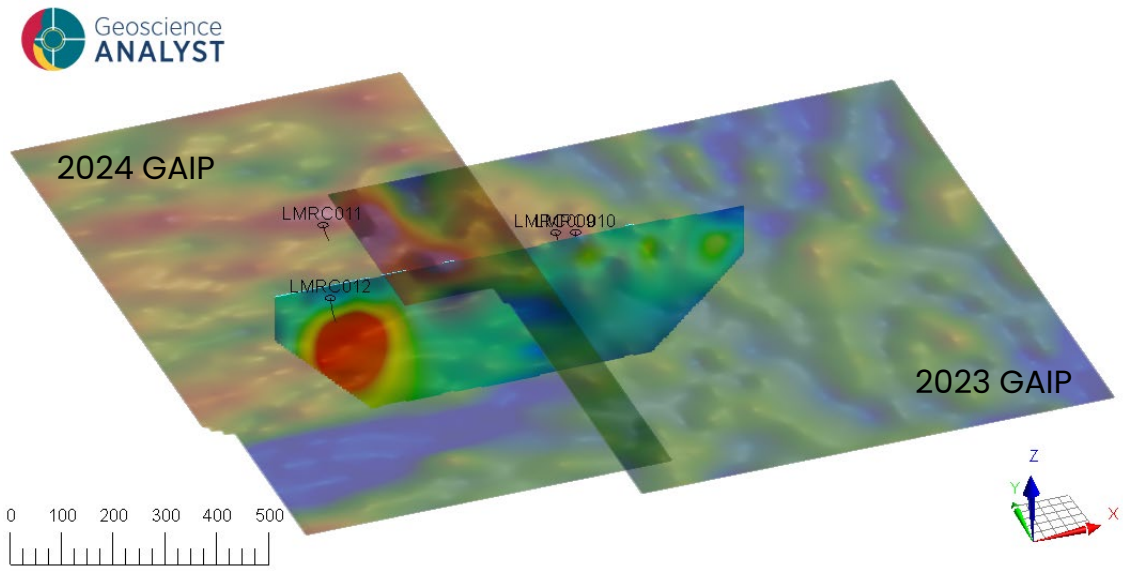
FIRST YEAR EXPLORATION – **MT DOREEN EL31305**

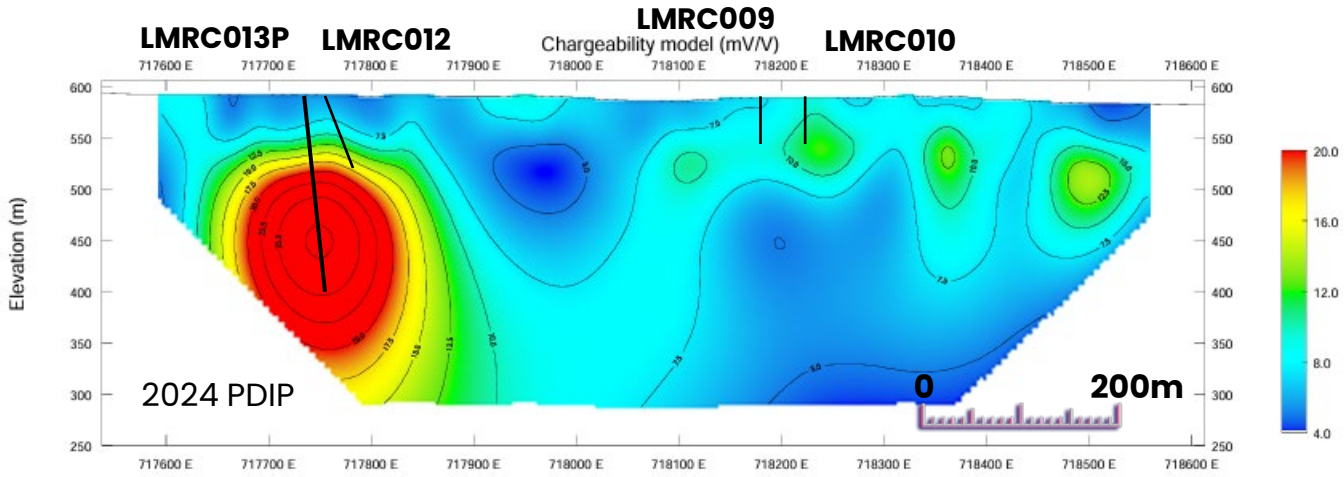
- Rock Chip & Soil sampling campaigns[6]
- Airborne Magnetics & Radiometrics[7]
- VTEM & Ground EM[8,9]
- Induced Polarization[9]
- Ground Gravity Survey[10]
- Lithostructural Interpretation[11]
- Drilling – 1,769m DD/RC[12]



MOUNT IRENE – CHARGEABILITY ANOMALY

- Moderate IP chargeability anomaly (to 25mV/V)[9]
- 150m strike, steep plunge to +500m below surface
- Substantially larger and more intense anomaly that at Mt Irene Mine (14m @ 0.37% Zn, 0.16% Cu, 1.17 g/t Ag from 21m, LMRC010)[12]
- Untested by drilling: LMRC012 clipped top of anomaly
- Single 250m RC hole planned to test target

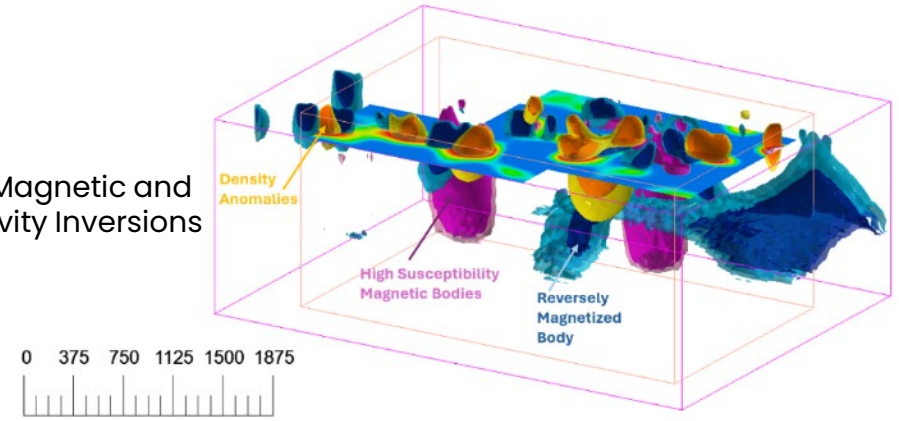


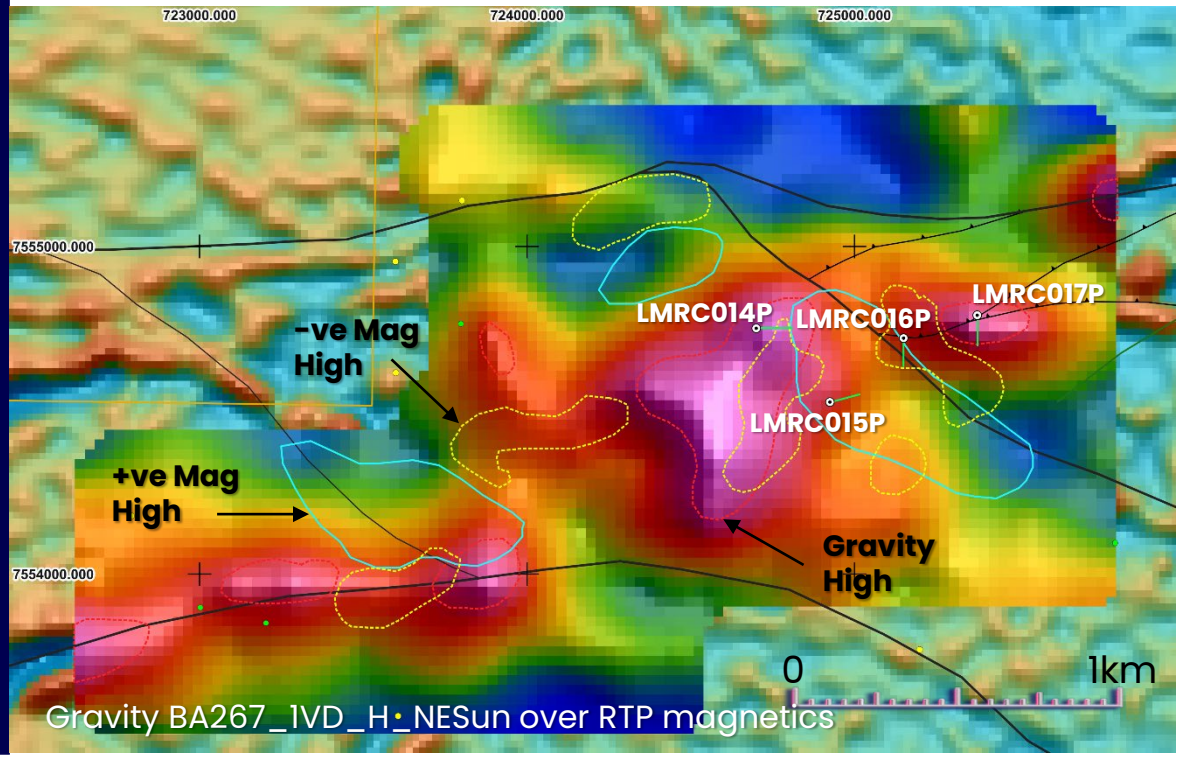


DUMUNZI GRAVITY/ MAG TARGET

- Large scale, complex magnetic and gravity target within a prominent structural dilation zone.[10]
- Positively and reversely magnetised bodies offset from gravity highs: possibly indicative of a carbonatite intrusive complex.
- West Arunta, Carbonatite rocks.
- All targets sit within structural or lithological contact zones.
- Extensive shallow cover (<10m).
- 4 x 100m RC holes planned.

3D Magnetic and Gravity Inversions





Gravity BA267_1VD_H_NESun over RTP magnetics

OTHER PROJECTS



LUCY CREEK – EL33568/ ELA33888

Lucy Creek Project Overview

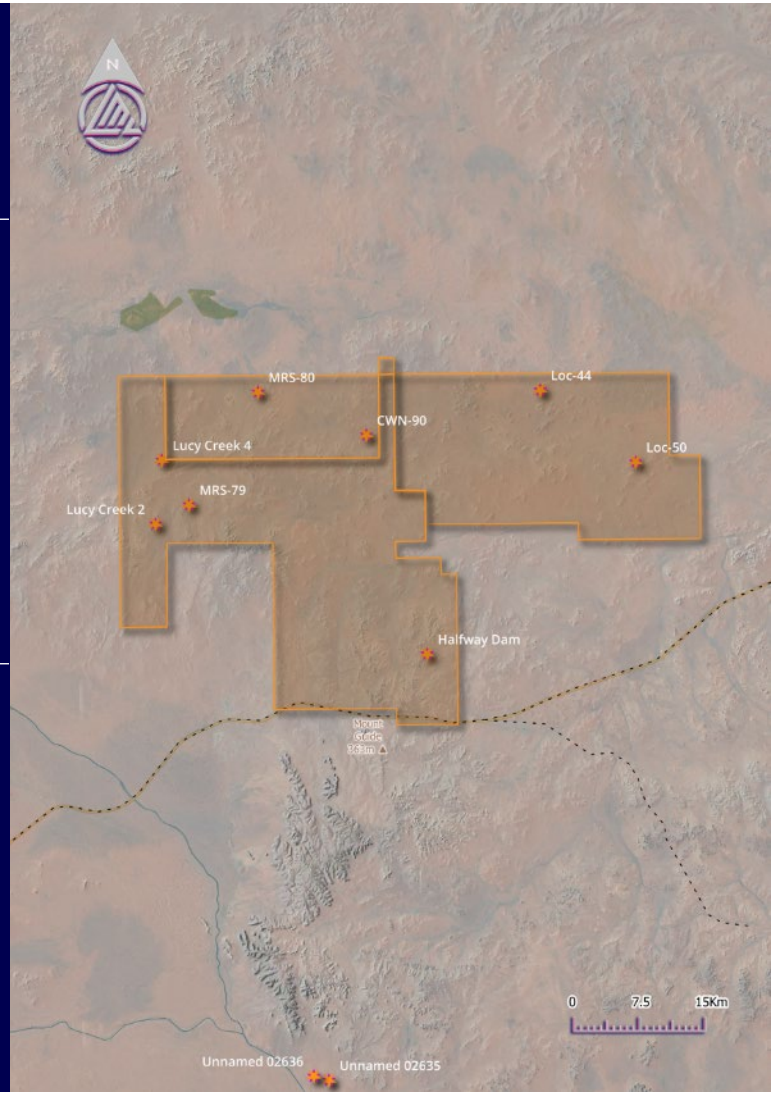
400kms East of Alice, within a 1,600km^2 tenure with multiple manganese occurrences

Key sites : Lucy Creek and Halfway Dam

- The high-grade (up to 52%) outcropping **manganese** occurrences are hosted in both the Cambrian and Ordovician sedimentary rocks of the southern Georgina Basin.
- At Lucy Creek 2 area, these high-grade manganese oxides outcrops extends over 1 km^2 within the Tomahawk Formation.
- Historical shallow drilling at lucy creek 2 revealed down dip extensions showing low-grade mineralisation (3–11% Mn) to a depth of 18m.
- Drill results are highly encouraging for the manganese potential of the region with numerous undrilled surface Mn exposures outcropping over a large area within the Litchfield tenure.

Target style of Deposits: Bootu Creek.

- The Bootu Creek Mn deposits (~20Mt @ 22% Mn), situated in the Ashburton Province of the Tennant region are composed of a series of manganiferous ridges and knolls extending over 24kms around an open syncline.
- Originally believed to be surficial mineralisation, drilling conducted in 1997 revealed massive manganese oxides which were concentrated and upgraded, located 60m beneath the surface.
- Subsequent drilling targeted a conductive EM zone, successfully delineating two mineable manganese seams named Shekuma and Go Go. These seams averaged 5–8m in thickness and 2,000m in length, extending to a depth of 60m.



PARADISE WELL– EL32190

Region

Located within the Strangeways Metamorphic Complex, approximately 100kms northeast of Alice Springs, NT.

Mineralisation

Copper, Gold, Silver, Heavy Mineral Sands and Rare Earth Elements.

Geological Setting

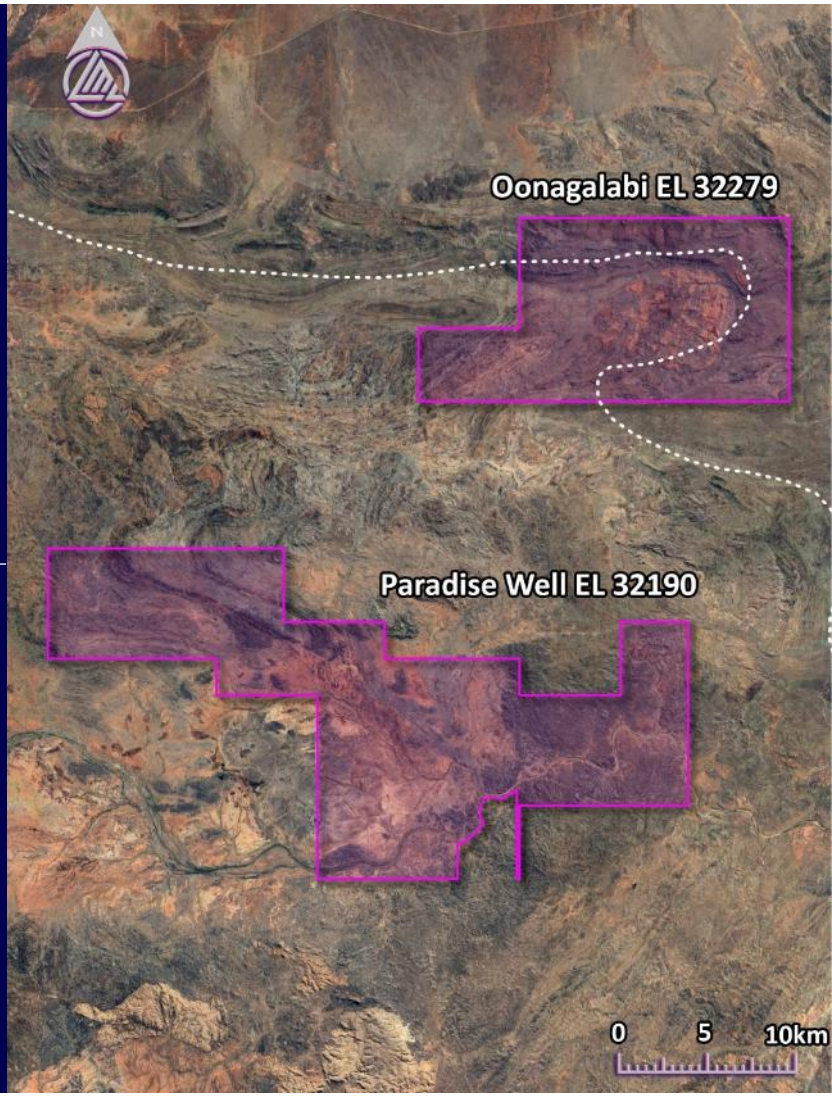
The area is underlain by Proterozoic Cadney Metamorphics, comprising amphibolite, granulite-facies metasediments, gneisses, and calc-silicate rocks, with structural controls indicating copper remobilisation along shear zones and fractures.

Known Mineralisation

- Four identified **copper-bearing prospects** within the tenement.
- Monazite bearing rocks with **up to 40% monazite** have been located at Paradise Well 1,2,3
- Paradise Well South: Malachite associated with coarse garnets in mica schist.
- New Paradise Well: **Cu-Au mineralisation** in garnet-quartz ± carbonate veins, striking NW-SE.
- Broader **potential for an undiscovered large-scale mineralised system** due to proximity of multiple occurrences.

Exploration Potential

Paradise Well demonstrates strong exploration potential, with structurally controlled copper (Cu) and gold (Au) mineralisation evident across multiple surface occurrences. High-grade rock chip results—**up to 6.16% Cu and 0.84 g/t Au**—suggest significant metal endowment within a broader mineralised system. Structural features such as shear zones and fractures have likely driven copper remobilisation. The proximity of prospects like Paradise Well South and New Paradise Well supports the potential for a larger, concealed deposit at depth.



SILVER VALLEY EL33241

Region

Silver Valley, located in the Davenport Province, Northern Territory, within the Murray Downs Dome.

Mineralisation

Lead (Pb) and Silver (Ag), with additional occurrences of Copper (Cu), Zinc (Zn), and minor Gold (Au).

Geological Setting

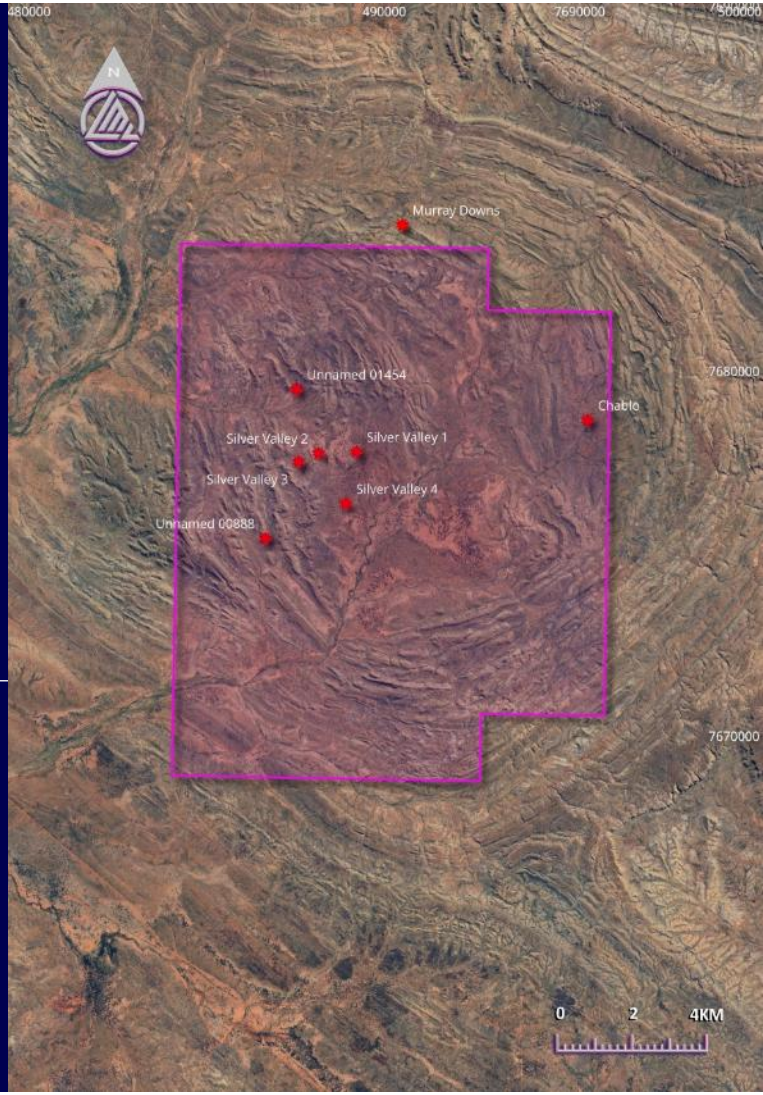
The geology of the region is dominated by Paleoproterozoic shallow marine sedimentary rocks and volcanics, including sandstone, conglomerate, siltstone, dolostone, shale, mafic and felsic volcanics, and granite, with known mineralisation associated with Pb-Ag bearing quartz veins within the Edmirringee Volcanics.

Known Mineralisation

- High-grade lead and silver values recorded:
  - **Pb grades up to 25%** from historical veins.
  - **Ag** assays up **to 470 g/t.**
  - Copper and gold also found in veins, with values up to **13% Cu and 1.2 g/t Au**.
- No systematic geochemical sampling or drilling completed.
- Multiple Pb-Ag vein prospects identified (Silver Valley 1-4), with historical small-scale mining.
- **Interpretation suggests potential for disseminated Pb-Ag-Cu mineralisation** beyond currently known structures.

Exploration Potential

- Further detailed geophysical surveys (sub-audio magnetics, gravity) recommended.
- Systematic gridded surface sampling and geochemical mapping required.
- Drill testing of the most promising structures to assess deeper mineralisation potential.



THE TEAM



DR. PETER EAGLEN

Non-Executive Chairman

Peter brings more than 40 years of experience in the mining and metals sector working as site management leadership and, most recently, leading assurance activities for the Board of Rio Tinto Having previously worked across the globe on mining, refining and smelting projects and operations with Rio Tinto, Bechtel, Pasminco CRA and Mount Isa Mines Peter's roles have enabled extensive experience throughout health, safety, environmental, security and closure management matters Peter is highly recognised by Board members and Executive Directors for delivering assurance and advice that enhances and protects their organisation's value With a track record for assisting senior leaders and Board members with insights, due diligence matters for mergers, acquisitions, divestments and effective management.



PROF. MARK NOPPE

Non-Executive Director

Mark has over 35 years of experience applying geoscience knowledge in the assessment of developing resource projects and operating mines As a leading advisor in geoscience and the mining industry, Mark provides advice, training and mentoring in all aspects of orebody knowledge, from exploration reporting, data assessment, resources definition and reporting, mine geology and grade control through to inputs to reserving Mark's clients include the technical leads, management and boards of Resource project owners, as well as the investors, lenders and legal advisors to these projects He has worked in South Africa, Western Australia and Queensland, and consulted on a variety of projects and commodities in a range of geological, mining and geographic settings.



MATTHEW PUSTAHYA

Managing Director

Matthew has dedicated many years to exploring Australia's most promising metalliferous terrains.

With extensive experience in both private and public mineral exploration, he has successfully initiated and executed numerous exploration projects, consistently meeting timelines and budgets.

Over his career, Matthew has developed a vast network of industry connections, from engineers and drillers to earth movers and pastoralists, which has been instrumental in the success of his projects. He further enhanced his commercial acumen by completing an MBA at the Macquarie Graduate School of Management (MGSM).



RUSSELL DOW

Exploration Manager

A motivated and pragmatic geoscientist with 20+ years of global experience across various commodities and deposit types. Continuously updating knowledge to apply the latest exploration strategies and technologies.

Strong technical expertise in deposit types like porphyry Cu-Au, epithermal Au-Ag, iron oxide Cu-Au-REE, Skilled in GIS, database management, data analysis.

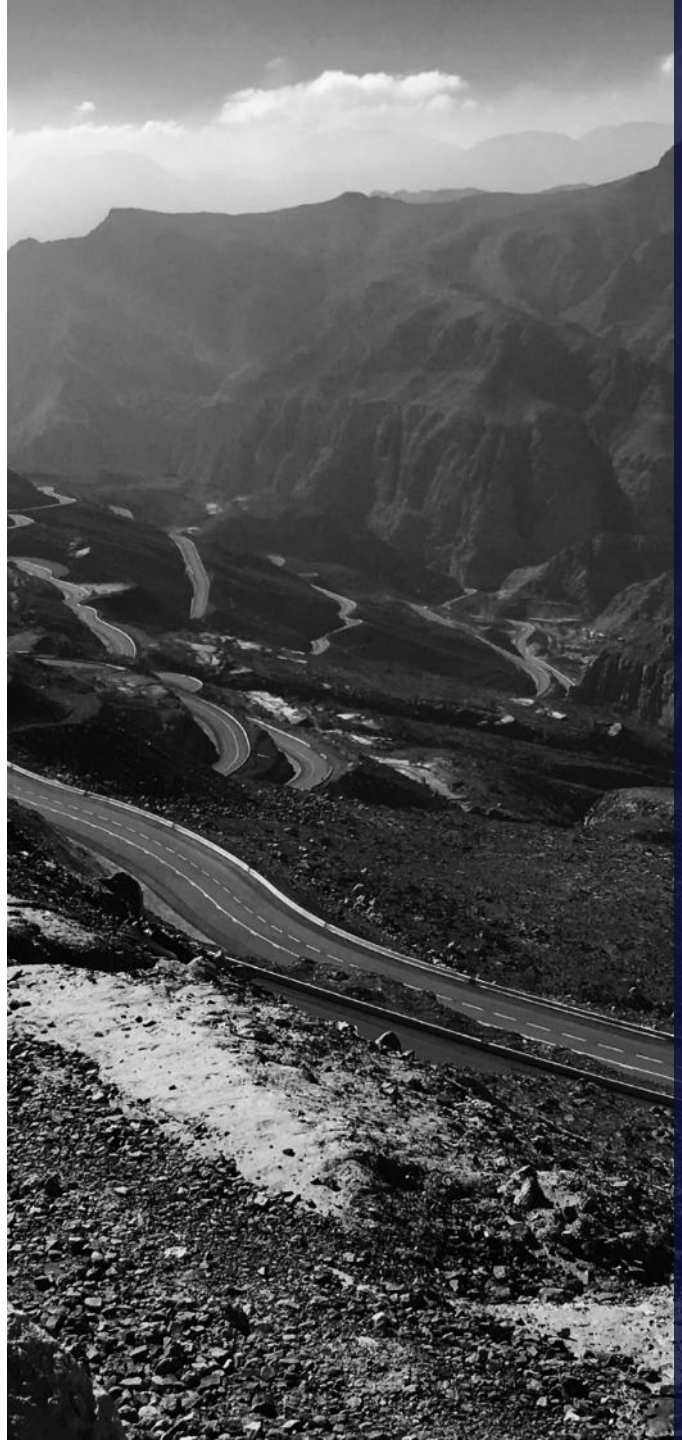
Experienced in regional exploration, project generation, and team leadership, with a proven ability to design and manage exploration programs. Key contributor to the discovery of the Lindero Au porphyry mine in Argentina (2.5Moz resource).

INVESTMENT CASE

Near-Term Catalysts for Revaluation:
The next phases of drilling at Oonagalabi & Mount Doreen and other exploration work are expected to serve as key catalysts for revaluation, offering potential significant upside to early investors as project milestones are achieved.

Long-Term Investment with Scalable Opportunities:
Oonagalabi represents a long-term investment opportunity with scalability. As the project progresses, there is potential for further exploration upside and resource scaling, making it an attractive proposition for funds looking to invest in durable assets with growth potential.

Proven Management Expertise:
The management team at Litchfield Minerals brings decades of experience in successful mineral discovery, project development, and strategic asset management, ensuring that exploration efforts and capital allocation are executed effectively to maximise asset value.



Strategic Asset in a Key Commodity Sector:

Oonagalabi provides exposure to copper, zinc, gold, and critical minerals vital to the global transition toward renewable energy and electrification. The strategic relevance of these commodities, supported by strong market demand, positions the project as a compelling early-stage addition to institutional investment portfolios..

Significant Mineralisation Potential:

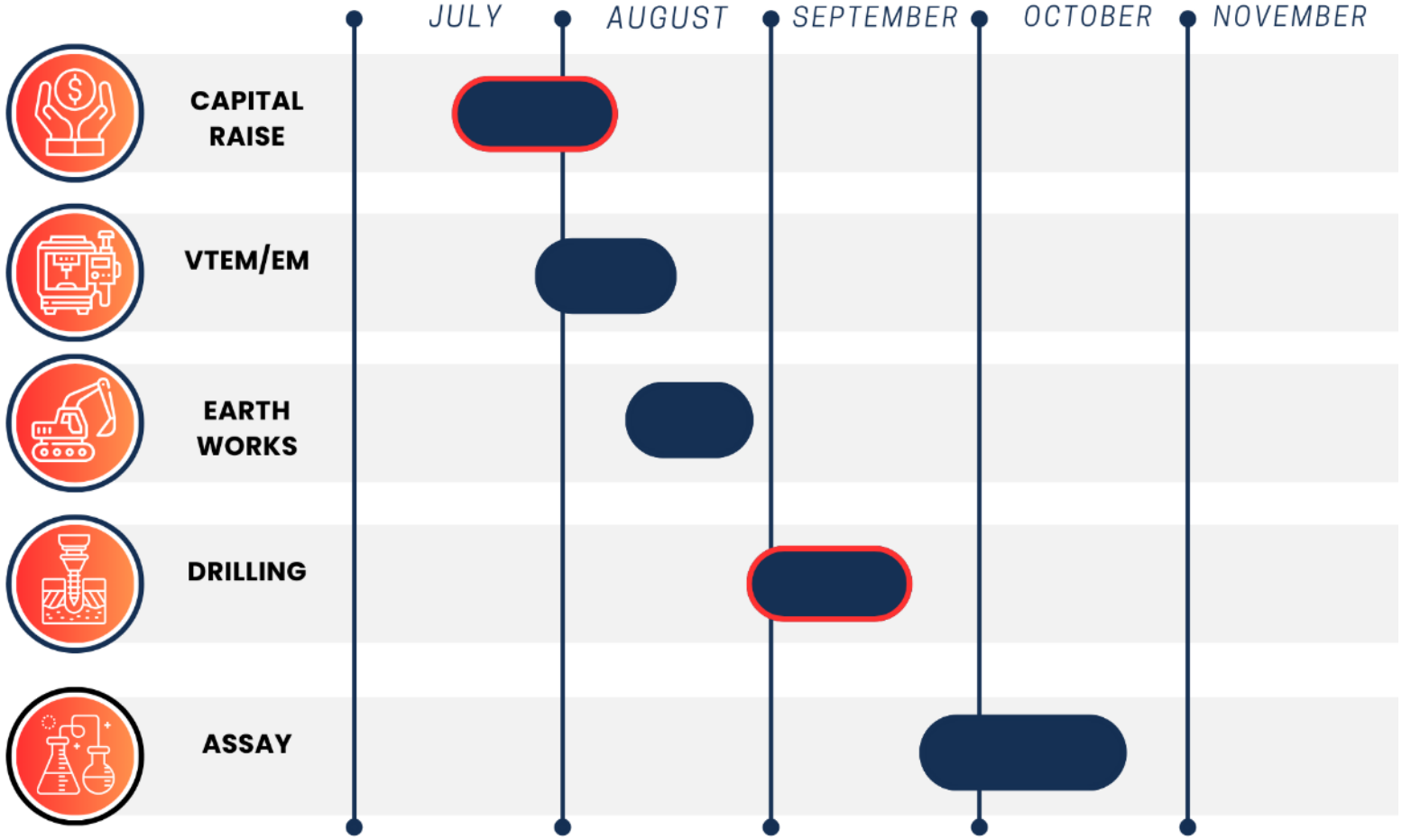
Situated within a prolific geological setting renowned for copper-zinc mineralisation, the project has returned encouraging results, over 1.5kms of strike including 55m at 0.55% copper—highlighting the potential for high-grade zones and substantial resource growth.

Advanced Exploration Ready:

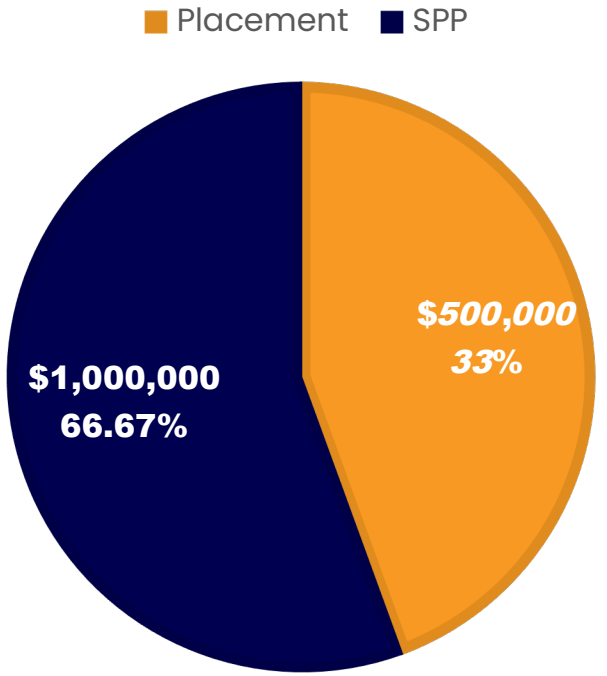
Oonagalabi is primed for further exploration, with multiple untested anomalies and clear targets already identified. Litchfield Minerals plans immediate drilling campaigns aimed at rapidly advancing the project and delineating a resource estimate, providing clear milestones for investor valuation.

FUNDING SIZE AND EXPLORATION





CAPITAL RAISE TARGET



COMPETENT PERSON STATEMENT & REFERENCES

Competent Person Statement

The information in this Presentation that relates to Exploration Results is based on, and fairly represents, information and supporting documentation compiled by Mr Russell Dow (MSc, BScHons Geology), a Competent Person who is a Member of the Australian Institute of Mining and Metallurgy (AUSIMM) and is a full-time employee of Litchfield Minerals Limited. Mr Dow has sufficient experience that is relevant to the style of mineralisation and types of deposits 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" (JORC Code). Mr Dow consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. With regard to the Company's ASX Announcements referenced in the above Announcement, the Company is not aware of any new information or data that materially affects the information included in the Announcements.

Forward Looking Statements

Statements regarding plans with respect to Litchfield's project are forward-looking statements. There can be no assurance that the Company's plans for the development of its projects will proceed as currently expected. These forward-looking statements are based on the Company's expectations and beliefs concerning future events. Forward-looking statements are necessarily subject to risks, uncertainties, and other factors, many of which are outside the control of the Company, which could cause actual results to differ materially from such statements.



REFERENCES

- 1. Litchfield ASX Announcement 29th January 2025. Outstanding results unveil scale and potential at Oonagalabi
- 2. Litchfield ASX Announcement 24th January 2025. Major mineral system potential Oonagalabi JORC update, Figure 5
- 3. Litchfield ASX Announcement 5th March 2025. Major discovery 1km plus high chargeability target found
- 4. Litchfield ASX Announcement 11th April 2025. Oonagalabi drilling confirms broad sulphide mineralisation
- 5. Litchfield ASX Announcement 2nd May 2025. Gravity starts over Oonagalabi Bomb Diggity target
- 6. Litchfield ASX Announcement 17th October 2025. Surface geochemical sampling confirms rare earth element anomalism at Mt Doreen
- 7. Litchfield ASX Announcement 30th July 2024. New geophysical interpretation confirms large magnetic targets at our Patmungala and Dumunzi areas in the west Arunta.
- 8. Litchfield ASX Announcement 16th September 2024. Mt Doreen VTEM survey reveals numerous high priority targets: drill testing planned
- 9. Litchfield ASX Announcement 11th November 2024. New ground MLEM and IP data fuel confidence for November drill testing at Patmungala, Mt Irene and Dumunzi.
- 10. Litchfield ASX Announcement 19th August 2024. Large gravity anomalies identified at the Dumunzi and Patmungala targets in the Mt Doreen project in the west Arunta.
- 11. Litchfield ASX Announcement 28th August 2024. Enhanced lithostructural understanding of the Mt Doreen Geology
- 12. Litchfield ASX Announcement 15th August 2024. Drilling confirms massive base metal sulphides at the Mt Doreen Project, West Arunta
- 13. Litchfield ASX Announcement 8th October. Litchfield Secures Strategic Copper-Gold Portfolio NT update
- 14. https://www.sciencedirect.com/science/article/pii/S0169136825003622
- 15 Litchfield ASX Announcement 31st July - Quarterly Activities/Appendix 5B Cash Flow Report