



Corporate Update

October 2024

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Competent Person's Statement

Information in this Presentation that relates to exploration targets, exploration results and mineralisation is based on and fairly reflects information compiled by and conclusions derived by Mr Jason Froud, who is a member of The Australian Institute of Geoscientists (AIG). Mr Froud is a full-time employee and Managing Director of Premier1. Mr Froud 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 Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code). Mr Froud consents to the inclusion in this Presentation of the matters based on his information in the form and context in which it appears.

Authorisation

This Presentation has been authorised for release by the Premier1 Lithium Board.

Repositioned for Future Growth

► Advanced Exploration Pipeline

Yalgoo Project within mining-friendly jurisdiction & close to key infrastructure. Strong focus on near-term opportunities with a clear path to drilling success.

► Upcoming Catalysts and Exploration Milestones

Multiple high-impact exploration targets advancing toward drilling with exploration plans underway to unlock substantial value in gold, copper and lithium.

► New Experienced Leadership Team

New management team focused on unlocking value across a diverse portfolio with proven expertise in exploration, development and value creation.

► Strong Shareholder Backing

Supported by Deutsche Rohstoff as a major shareholder – financial stability and credibility.

► Gold and Copper Leverage with long-term Exposure to Lithium

Parallel focus on identifying strategic gold and copper opportunities within existing tenure. Positioned to capitalise on potential acquisitions in a weakened lithium market.

► Disciplined Exploration Strategy

Rigorous exploration with near-term high-impact targets. Utilising in-house expertise to expedite project evaluation and development.

New Board & Management



Hugh Thomas
Non-Executive Chairman

Mr Thomas has experience in commercial and operational roles in the natural resources sector over a 40 year career.

His previous roles include MD and head of Asia Pacific Natural Resources for both JP Morgan and Morgan Stanley in Hong Kong and head of natural resources investment banking for Investec Bank in Sydney. Mr Thomas has extensive experience working with listed companies as they move from explorer to developer.



Jason Froud
Managing Director

Mr Froud is a geologist with over 25 years of experience in the resources sector, having worked for major mining companies including Newcrest and WMC, as well as global consultancies.

His expertise spans the entire mining cycle and numerous commodities. Recently, he was responsible for business development at Liontown Resources, where he focused on generating new lithium and battery metals projects with Tier 1 potential.



Anja Ehser
Non-Executive Director

Mrs Ehser is a geologist with more than 15 years of experience in minerals exploration and project management for base, precious and battery metals in Europe and Canada. Since 2011.

She has held various positions within the Deutsche Rohstoff Group including management and board positions in various subsidiaries. Mrs Ehser currently is VP Geology focusing on the business development of its metals and mining sector.



Richard Taylor
Non-Executive Director

Mr Taylor has held senior executive roles in the resource sector for more than 15 years. Prior to Premier1 Lithium, he was CEO of ASX-listed Terramin Australia Ltd and held senior roles with Mineral Deposits Limited, PanAust, MMG Ltd and Oxiana Ltd specialising in business development, strategy and governance.

Mr Taylor is a qualified lawyer. He holds a MBA from the University of Cambridge and a Master degree in Law from ANU.



Paul Smith
Exploration Manager

Mr Smith is a geologist with over 13 years of experience in the exploration of precious, base and critical minerals throughout Australia and Central Asia. He was most recently leading the discovery, exploration and drill out at the Andover lithium project by Azure Minerals.

Prior to that, Mr Smith was Senior Geologist at Iluka Resources responsible for project generation and evaluation as well as project management.

Corporate Snapshot

Capital Structure as of 30 September 2024

A\$2.1M
Market Cap

A\$0.012
Share Price

A\$1.2m
Cash¹

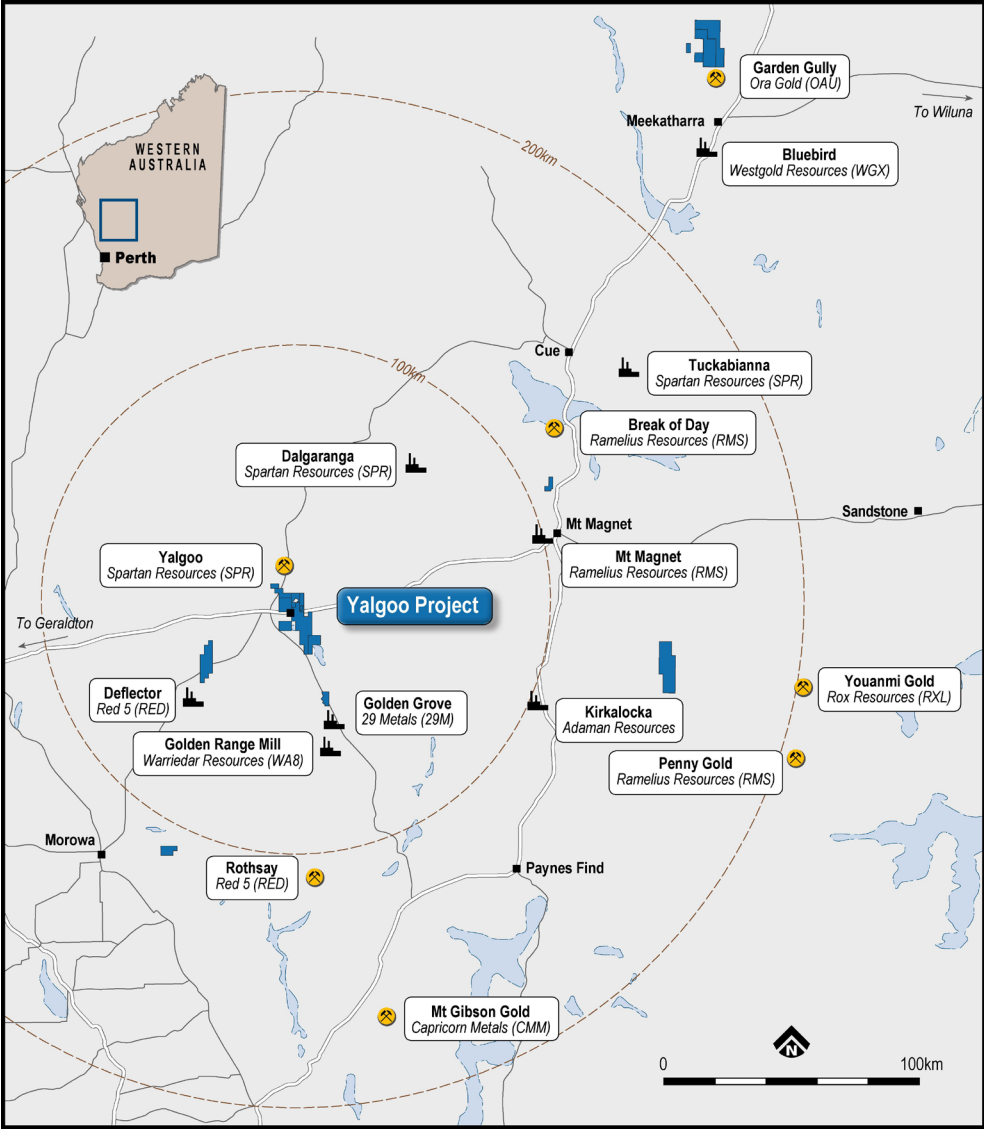
Nil
Net Debt²

174.6M
Shares Issued

Shareholder Summary

| | |
|---------------------|--------|
| Deutsche Rohstoff | 19.85% |
| Top 20 Shareholders | 61.35% |

¹ As of 30 June 2024
² R&D Finance Facility of \$0.4m repayable by 31 October 2024



Strategic Review – Portfolio highlights gold and copper potential

Review has highlighted key near term exploration opportunities

Yalgoo (Golden Grove North)

Located ~10km northeast of Yalgoo

Extensive historical workings with production of gold and copper

Historical estimate to 40m depth only



- ✓ Shear-hosted orogenic gold
- ✓ Known high-grade mineralisation open at depth and along strike
- ✓ + 25km of prospective strike for gold and copper
- ✓ Walk up drill targets

Mt Magnet North

~20km north of Ramelius' Mt Magnet mine

Potentially economic gold intercepts in recent drilling



- ✓ Potential for intrusion related gold-system similar to Eridanus deposit to the south
- ✓ Mineralisation remains open to north and south

Abbotts North

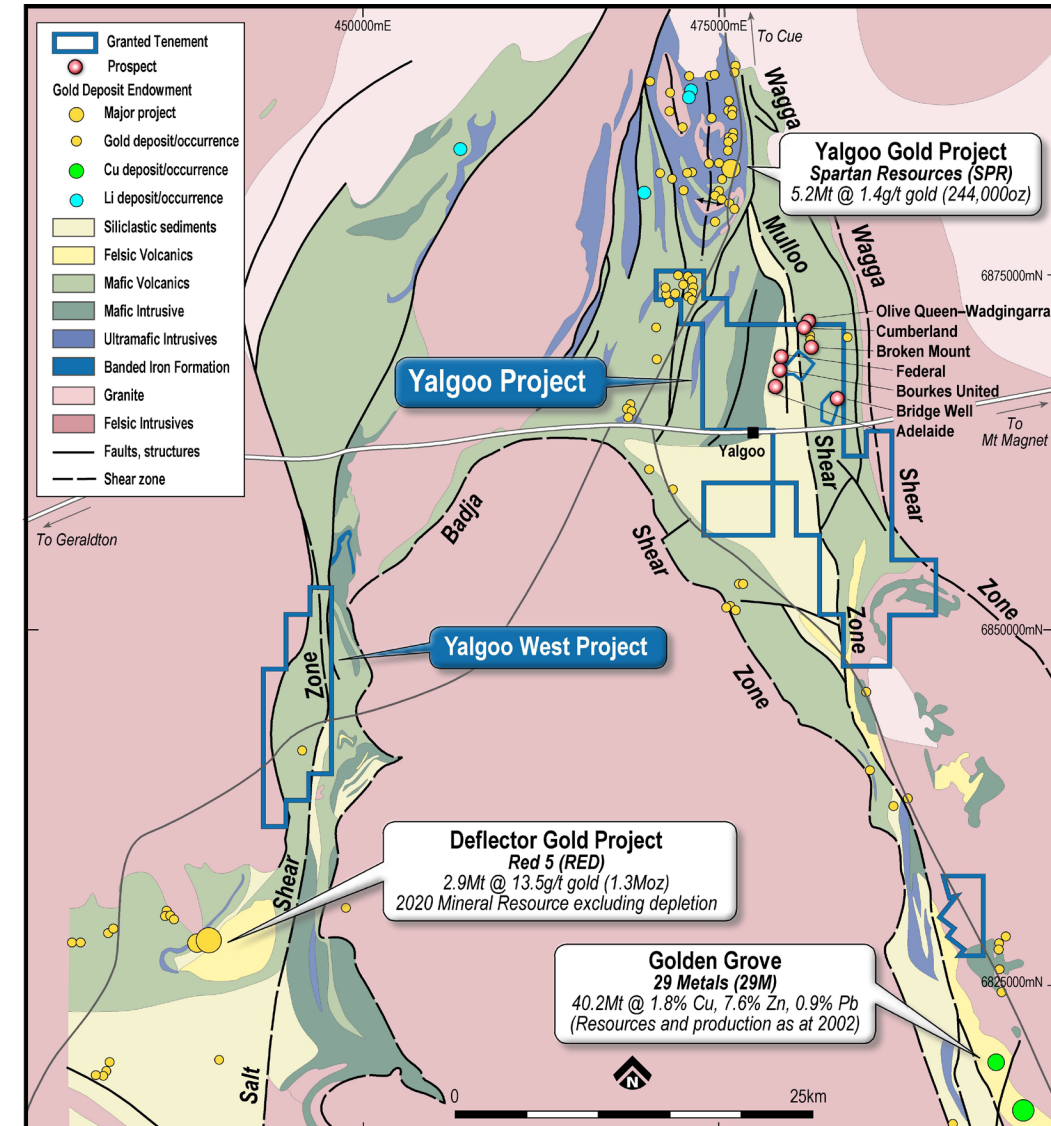
Directly along strike from Ora Gold's Garden Gully project



- ✓ Orogenic gold mineralisation along the Abernathy shear
- ✓ Ongoing review of historical data

Yalgoo Project – Prime Position in an overlooked Mineral Province

- ▶ Tenure covers 220km² of greenstone belt
- ▶ Includes a large portion of the northern Yalgoo-Singleton greenstone belt (YSGB) – host to Deflector and Golden Grove mines
- ▶ >25km of prospective strike along major mineralised shears
- ▶ Shallow historical drilling with high grade gold mineralisation
- ▶ High grade and depth extensive analogues within the belt
- ▶ Proximity to gold and copper processing plants
- ▶ Good infrastructure, approximately 400km north of Perth and 200km east of Geraldton
- ▶ Premier1 has the right to earn up to a 70% interest in all mineral rights (except REE)



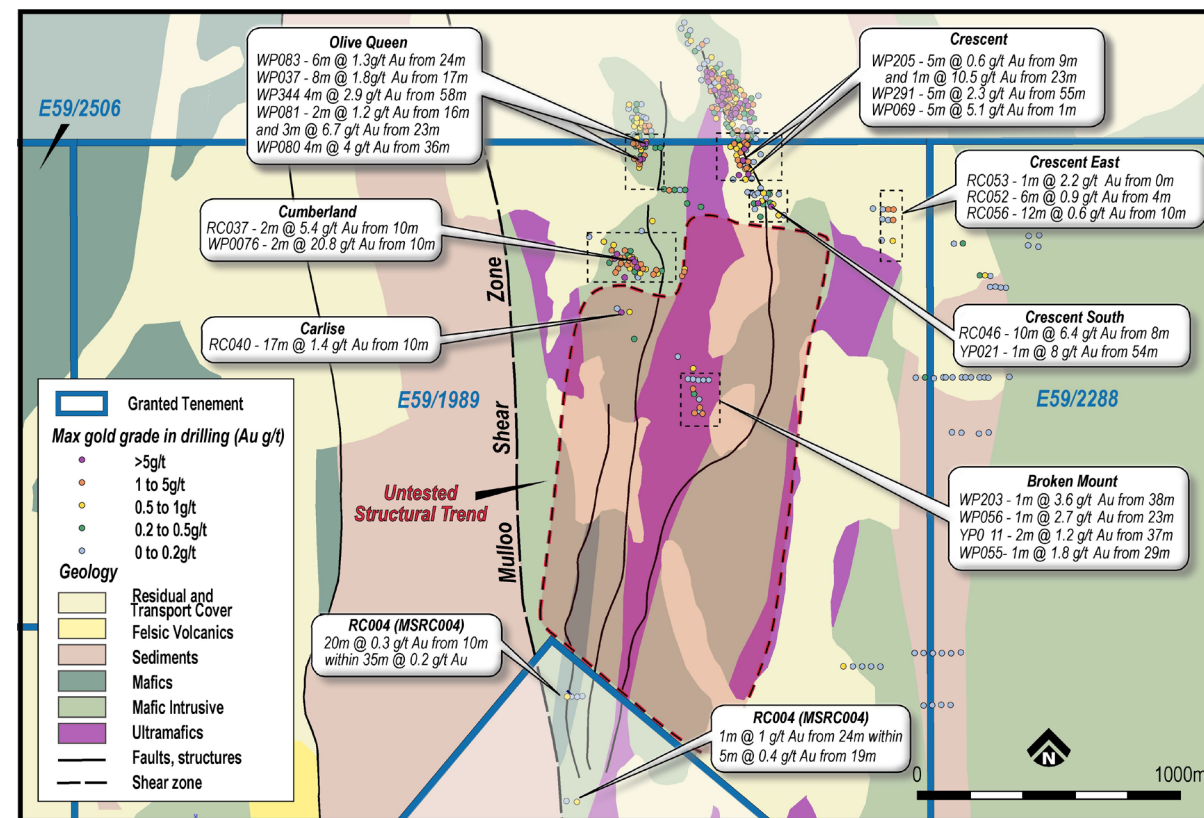
Yalgoo Project – Significantly Underexplored

- ▶ Limited drilling into fresh rock, average depth of drilling only 46m
- ▶ Substantial discovery upside below and along strike from known mineralisation
- ▶ Greenstone belt host to notable gold and base metal deposits
 - ▶ Scuddles and Golden Grove Members host the Golden Grove Zn-Cu-Au deposit – one of the most significant Archaean VHMS deposits in Australia
 - ▶ Gold mineralisation almost entirely epigenetic and both structurally and stratigraphically controlled
 - ▶ Epigenetic gold mineralisation occurs in, or adjacent to, the shear zones or associated fracture systems and the deposits are concentrated within BIF, basalts and the ultramafic rocks



Yalgoo Project – Limited Historical Drilling

- ▶ Historical gold production from Wadgingarra and Carlaminda of 2,700oz at 13.5g/t Au (ca. 1897-1904)
- ▶ 1986-1996 explored by Mt Kersey Mining and Mt Grace Mining, results include¹:
 - ▶ WP069 – 5m at 5.1g/t gold from 1m downhole at Crescent
 - ▶ WP037 – 13m at 1.3g/t gold from 13m at Olive Queen
 - ▶ WP080 – 4m at 4.0g/t gold from 36m downhole at Olive Queen
 - ▶ WP076 – 2m at 20.8g/t gold from 10m downhole at Cumberland
 - ▶ RC040 – 17m at 1.4g/t gold from 10m downhole at Carlisle
 - ▶ RC046 – 10m at 6.4g/t gold from 8m downhole at Crescent South
- ▶ Historical estimate² of 390kt at 3.7g/t Au to 40m depth
- ▶ Abundant indications of gold mineralisation through old working, surface sampling and exploration drilling.
- ▶ Gold mineralisation is extensive with good potential for high grade economic gold mineralisation.



¹ Premier1 Lithium Ltd. ASX announcement dated 26 September 2024.

² The historical estimate has not been reported in accordance with the JORC Code and insufficient work has been completed by a competent person to classify the estimate in accordance with the JORC Code. It is uncertain that further work will allow the historical estimate to be reported as a Mineral Resource in accordance with the JORC Code. See ASX announcement for details.

Yalgoo Project – Significant Historical Gold Intercepts

Olive Queen

Historical mining exploited a 2-5m wide quartz ironstone reef

Crescent

Southerly plunging stacked reefs (into PLC tenure – see image to right)

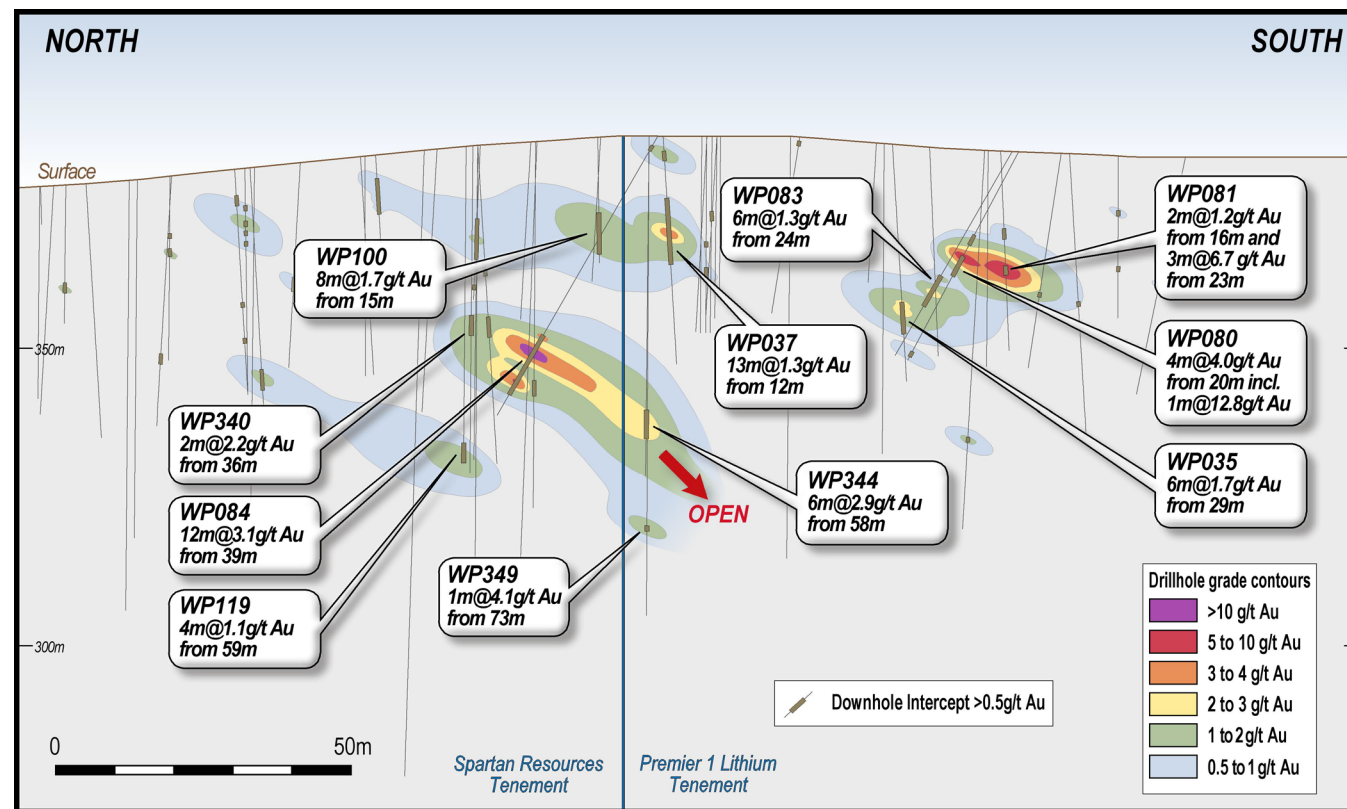
Discrete high-grade mineralisation in quartz veins

Cumberland

Quartz ironstone reef with intercepts including: 8m at 6.2g/t Au (WP77) and 2m at 5.4g/t Au (RC37)¹

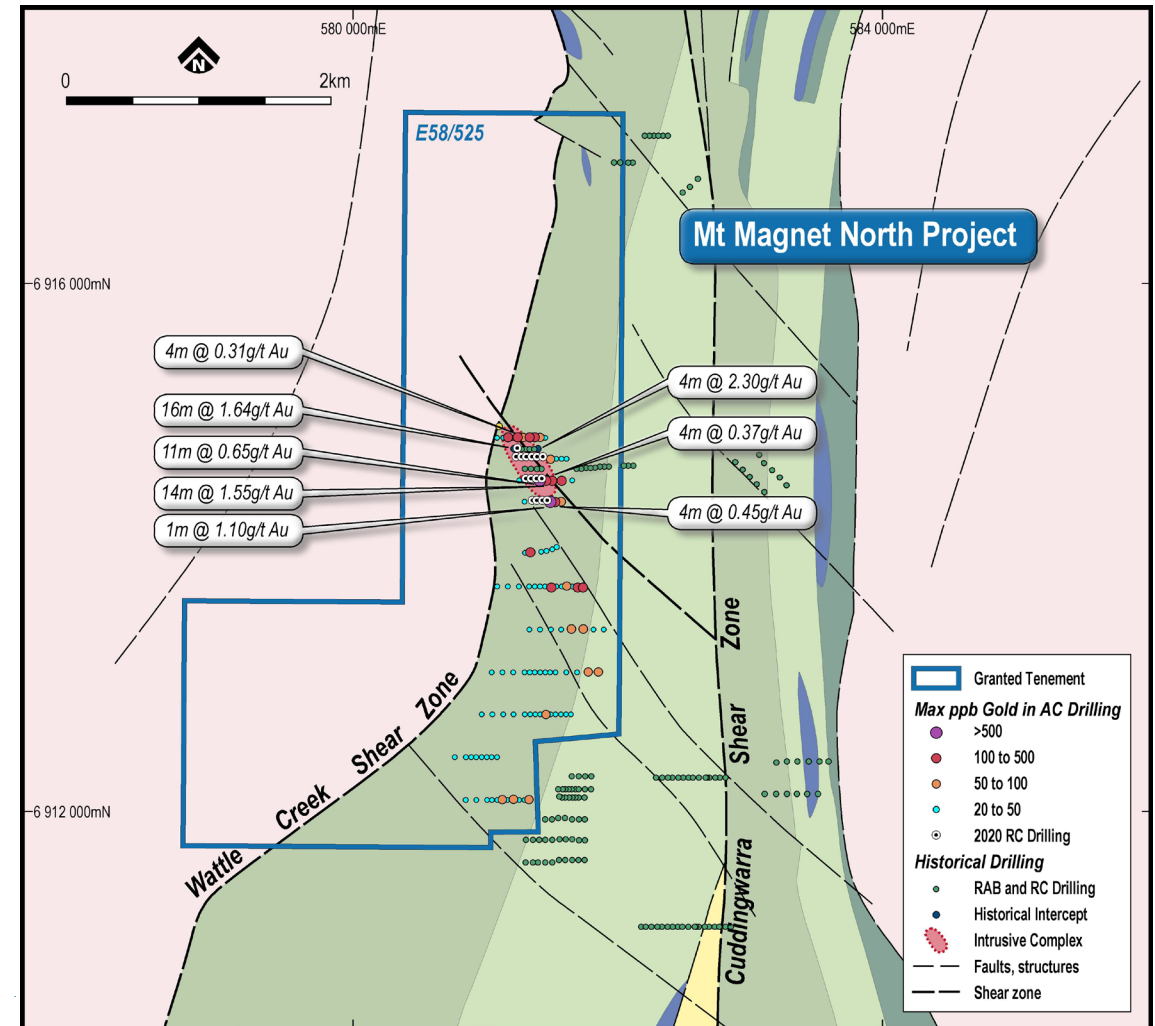
Broken Mount

Quartz ironstone reef intercept with shear zone: 4m at 7.87g/t Au (WR3)¹



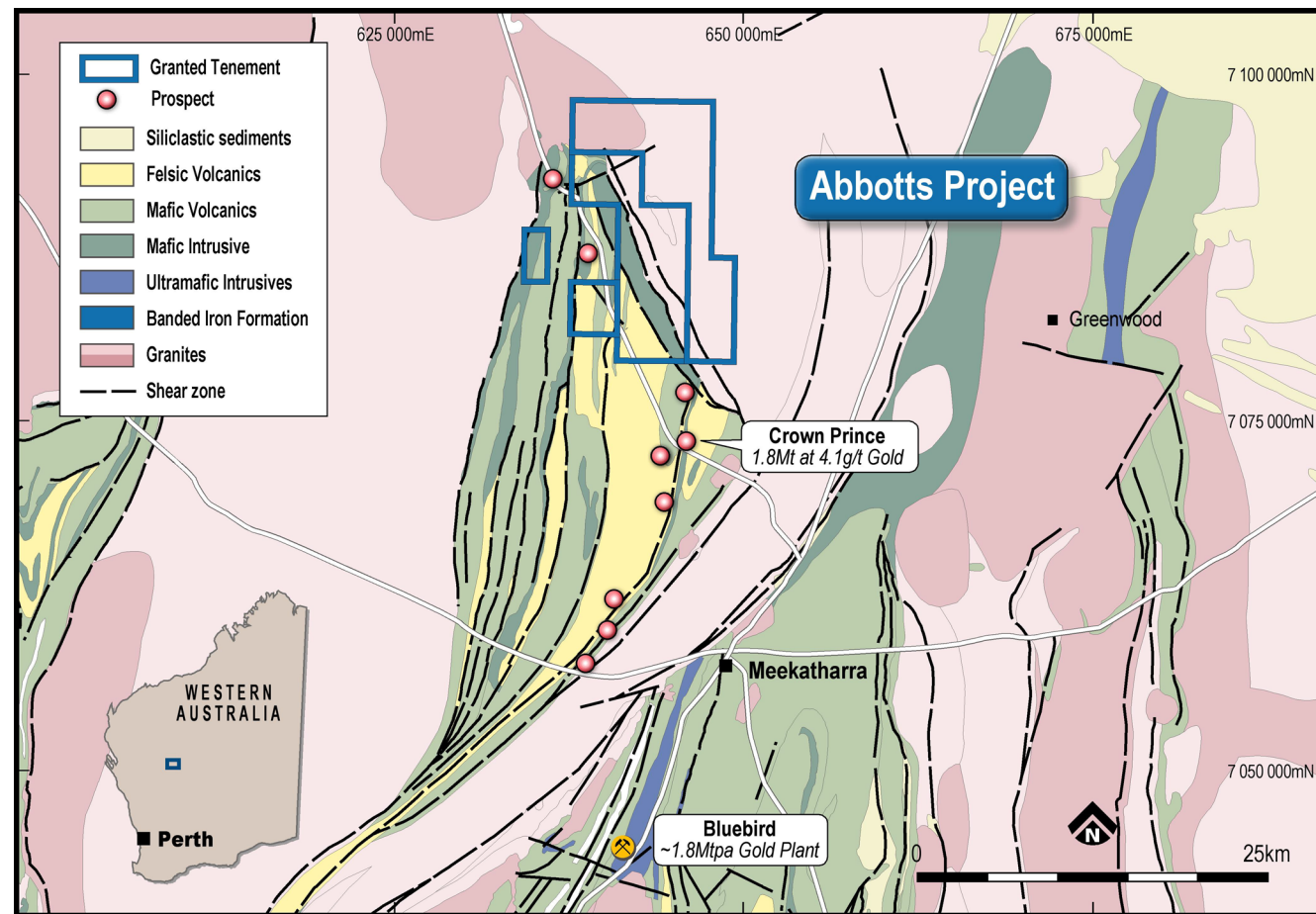
Mt Magnet North Project – Unlocked Gold Potential

- ▶ 20km north of Mt Magnet gold mine (Ramelius)
- ▶ Intrusion-related gold system with gold mineralisation over a strike of 1.2km
- ▶ Encouraging gold intercepts in wide spaced drilling, including:
 - ▶ 8m at 1.98g/t Au from surface (20MNRC008)
 - ▶ 14m at 1.55g/t Au from 122m (21MRC020)
- ▶ Mineralised system remains open to north and south



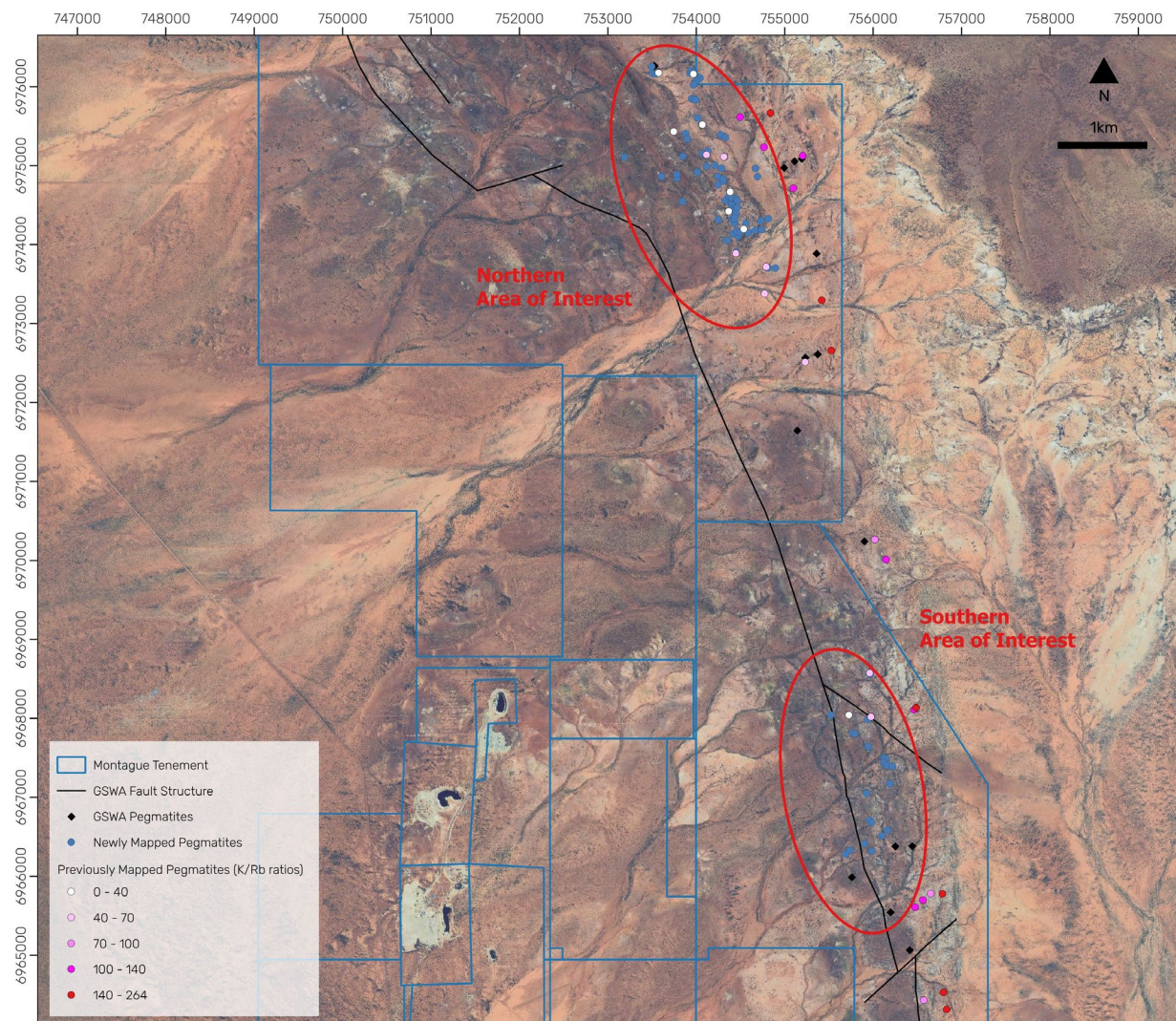
Abbotts North Project – Underexplored Greenstone Belt

- ▶ Abbotts Greenstone Belt rich in gold deposits
 - ▶ Ora Gold's Garden Gully deposit immediately south of the licence boundary
 - ▶ Crown Prince deposit with a Mineral Resource of 1.8 Mt at 4.1g/t Au¹ immediately south
 - ▶ Westgold's Bluebird Mill located 30km south
- ▶ Untested plays off main Abernathy Shear (host to the Crown Prince deposit)



Montague Project – Underexplored Lithium Potential

- ▶ Large predicted target generated through machine learning, prospectivity mapping and DPT
- ▶ Unrecognised Li potential with no previous Li exploration
- ▶ Favourable pathfinder elements and mafic stratigraphy adjacent to an interpreted fertile granite
- ▶ Abundant highly fractionated pegmatites mapped along the western margin of the tenement
- ▶ Land access approvals in place



Staged Next Steps

October 2024

Geological and structural mapping and sampling at Yalgoo

- ▶ Initial focus on Olive Queen/Crescent/Cumberland/Carlisle and late basin contact

Commence clearance for drilling programs

Nov to December 2024

Close spaced geophysical surveying at Yalgoo

- ▶ Targeting structural controls across main targets
- ▶ Gravity and/or magnetics

Infill soil sampling and mapping

Lithostructural interpretation to assist drill targeting

Early 2025

Phase 1 RC drilling at Yalgoo (Wadgingarra area): ~3,000m

Phase 2 RC drilling at Yalgoo based on results



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