



CATALINA

RESOURCES

Corporate Presentation
June 2024

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Disclaimer and compliance statement

- **CAUTIONARY STATEMENT**

- The Exploration Results for Kookynie West, Dundas, Laverton and Lachlan Fold Belt Projects include information that have been reported by former owners; The source and date of the Exploration Results reported by the former owners have been referenced in the Company's ASX announcements and where Exploration Results have been reported; The historical Exploration Results have not been reported in accordance with the JORC Code 2012; A Competent Person has not done sufficient work to disclose the historical Exploration Results in accordance with the JORC Code 2012; It is possible that following further evaluation and/or exploration work that the confidence in the prior reported Exploration Results may be reduced when reported under the JORC Code 2012; That nothing has come to the attention of the acquirer that causes it to question the accuracy or reliability of the historical Exploration Results; but Shree has not independently validated the historical Exploration Results and therefore is not to be regarded as reporting, adopting or endorsing those results; There are no more recent Exploration Results or data relevant to the understanding of the Exploration Results; An assessment of the additional exploration or evaluation work that is required to report the Exploration Results in accordance with JORC Code 2012 will be undertaken following acquisition & will be funded by the Company.

- **COMPETENT PERSON STATEMENT**

- The review of historical exploration activities and results contained in this report is based on information compiled by Michael Busbridge, a Member of the Australian Institute of Geoscientists and a Member of the Society of Economic Geologists. He is a Director of Catalina Resources Ltd. He has sufficient experience which is relevant to the style of mineralisation and types of deposits under consideration and to the activity which he is undertaking 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 (the JORC Code). Michael Busbridge has consented to the inclusion in the report of the matters based on his information in the form and context in which it appears.

- The information in this report that relates to the Nelson Bay River Iron Ore Project Mineral Resources is based on information evaluated by Mr Simon Tear, who is a Member of The Australasian Institute of Mining and Metallurgy (MAusIMM). And who has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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' ("the JORC Code"). Mr Tear is a Director of H and S Consultants Pty Ltd and he consents to the inclusion in the report of the Mineral Resources in the form and context in which they appear.

- The information in this report that relates to Ore Reserve Estimates for the Nelson Bay deposit is based on information evaluated by Mr Richard Beazley who is a Member of The Australasian Institute of Mining and Metallurgy and a Chartered Professional (MAusIMM CP(Min)) and who has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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 (the "JORC Code"). Mr Richard Beazley is a Director of Catalina Resources Ltd and the Principal of Altair Mining Consultancy Pty Ltd and consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

- The Company confirms that it is not aware of any new information or data that materially affects the information in the original reports, and that the form and context in which the Competent Person's findings are presented have not been materially modified from the original reports. Where the Company refers to the Mineral Resources and Ore Reserve Estimates in this report, it confirms that it is not aware of any new information or data that materially affects the information included in the original reports and all material assumptions and technical parameters underpinning the Mineral Resource estimate and Ore Reserve Estimates the original reports continue to apply and have not materially changed.

Corporate Overview

- Shares on issue* ~ 1,238 m
- Options* ~ 32.5 m
- Cash* ~A\$ 2.74 m
- Investments * *(MGA shares ~A\$ 0.24 m)
- Market Capitalisation * * ~A\$ 3.72 m
- Top 20 Shareholders * * * ~ 51.38 %

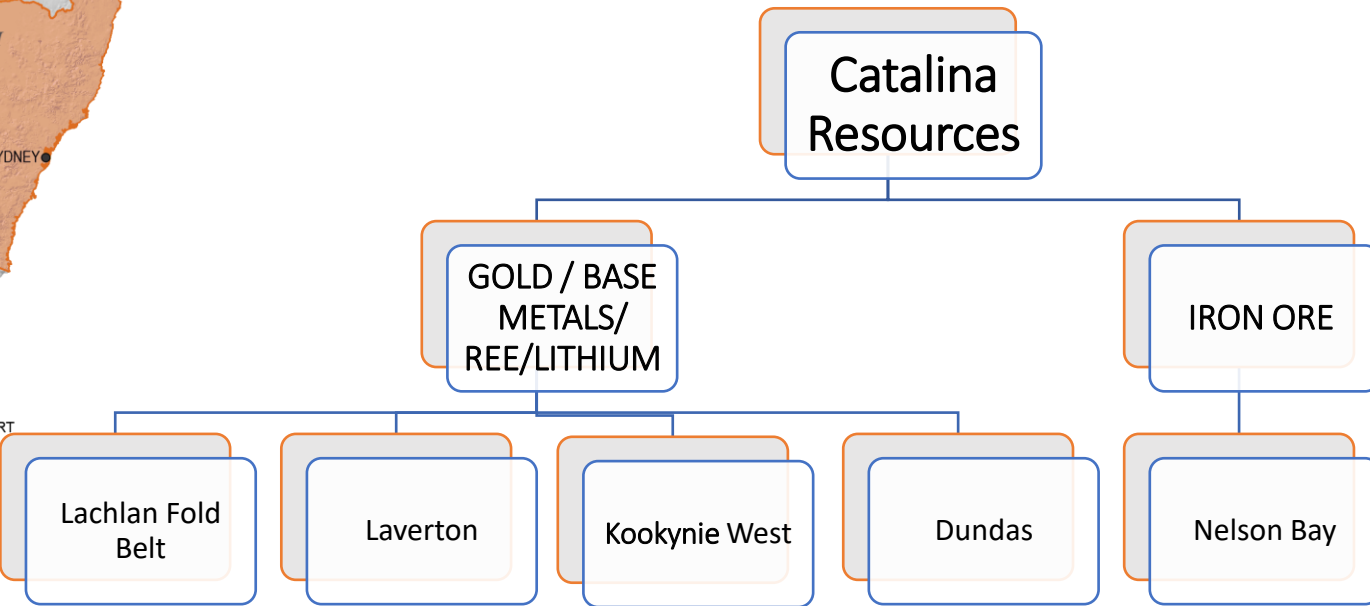
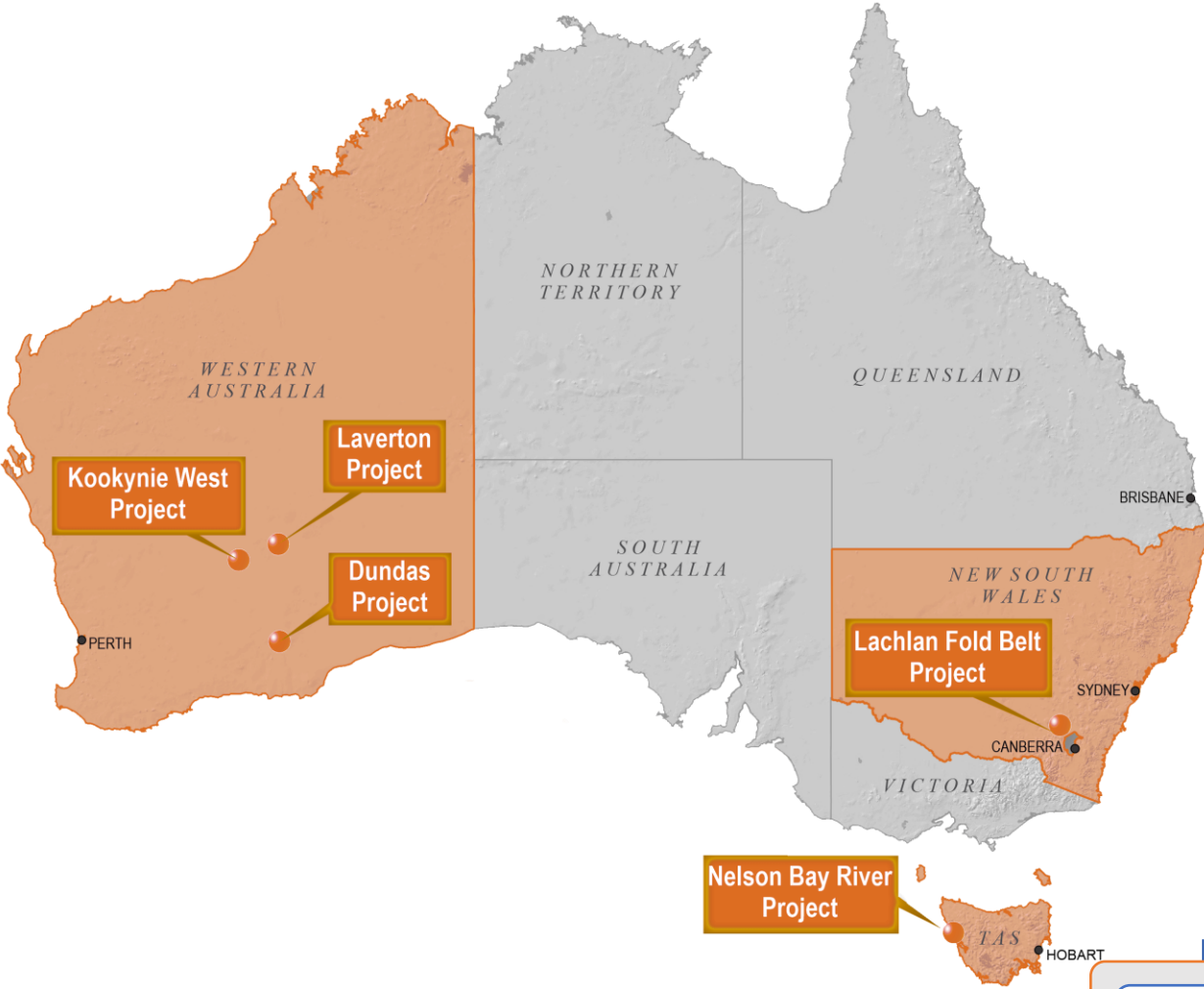
* as at 31/03/2024

** as at 19/06/2024

*** as at 17/04/2024

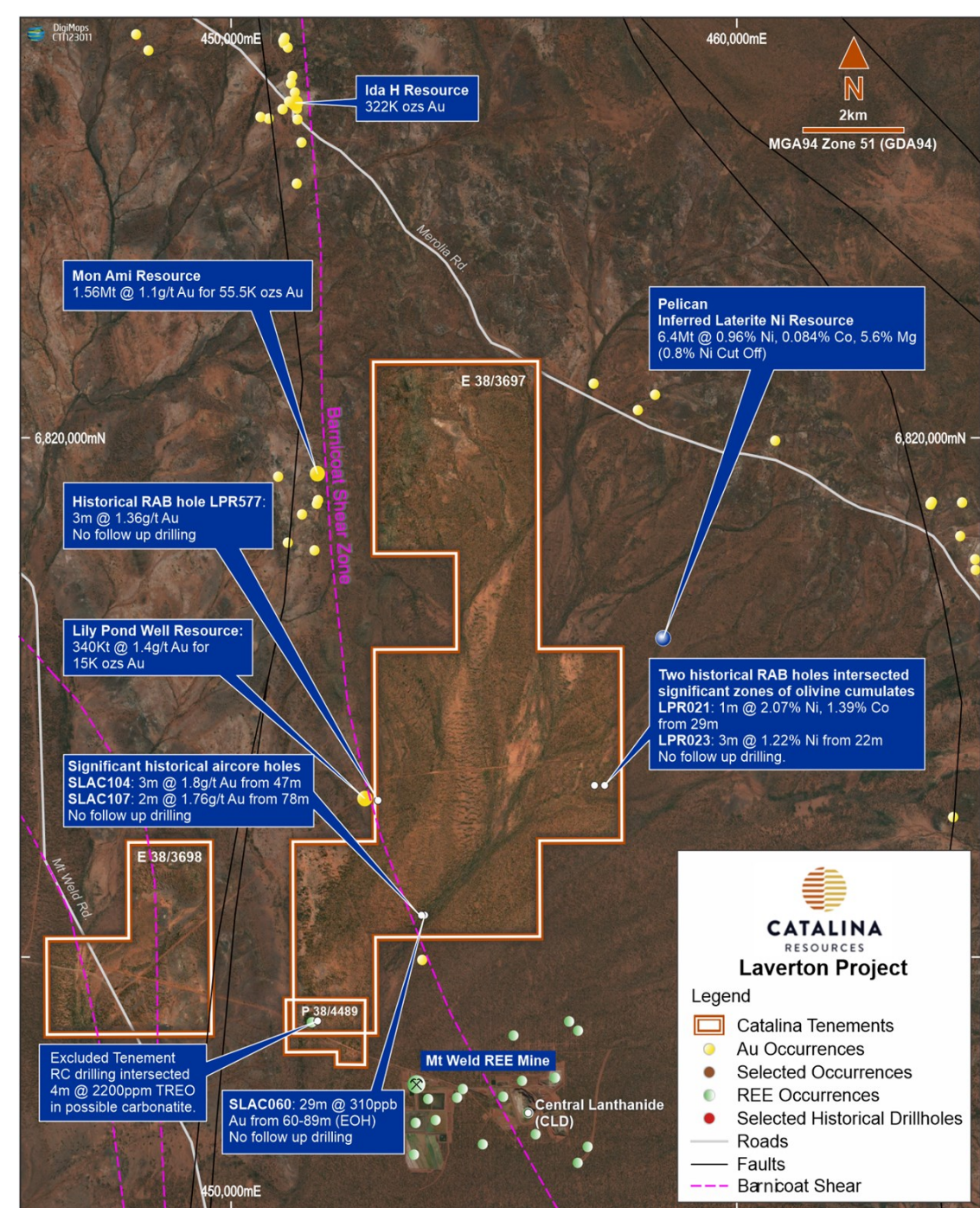
- **Sanjay Loyalka, FAIM, ACA, B.Com (Hons)** **Chairman**
 - 30 years' experience in Metals and Mining - Corporate Finance, Commercial and General Management.
 - Former roles have included Founder CEO of Aditya Birla Minerals Ltd responsible for acquisition of Nifty and Mt Gordon Copper mines and development of Nifty Sulphide project (2.5 mtpa underground copper mine, concentrate plant and infrastructure)
 - Founder Chairman and CEO of Catalina Resources Ltd
- **Mr Richard Beazley, B.E. (Mining) (Hons), MBA, MAICD, MAusIMM (CP)** **Director**
 - Highly experienced mining engineer with a strong technical background and substantial experience in corporate and operational management and leadership
 - Managing Director, Troy Resources Limited and Non-Executive Chair, MetalsGrove Mining Limited
 - Previous roles include Chief Operating Officer for Sandfire Resources ; Managing Director of Peak Resources Ltd ; General Manager Operations at Consolidated Minerals; General Manager Southern Cross Operations at St Barbara Limited
- **Michael Busbridge, MBA., B.Sc. (Hons.), MAIG, MSEG** **Director**
 - Exploration and resource development geologist with over 35 years' experience in Australia
- **Martin Bennett, BSc (Hons), MODG, MAIG** **Director**
 - Exploration and resource development geologist with over 30 years' experience in Australia, Africa, Canada and SE Asia.
 - Former roles include General Manager Exploration for Endeavour Mining Corporation (West Africa) (TSX: EDV), Exploration Manager Aditya Birla Minerals , Exploration Manager BCI Minerals

Project Portfolio



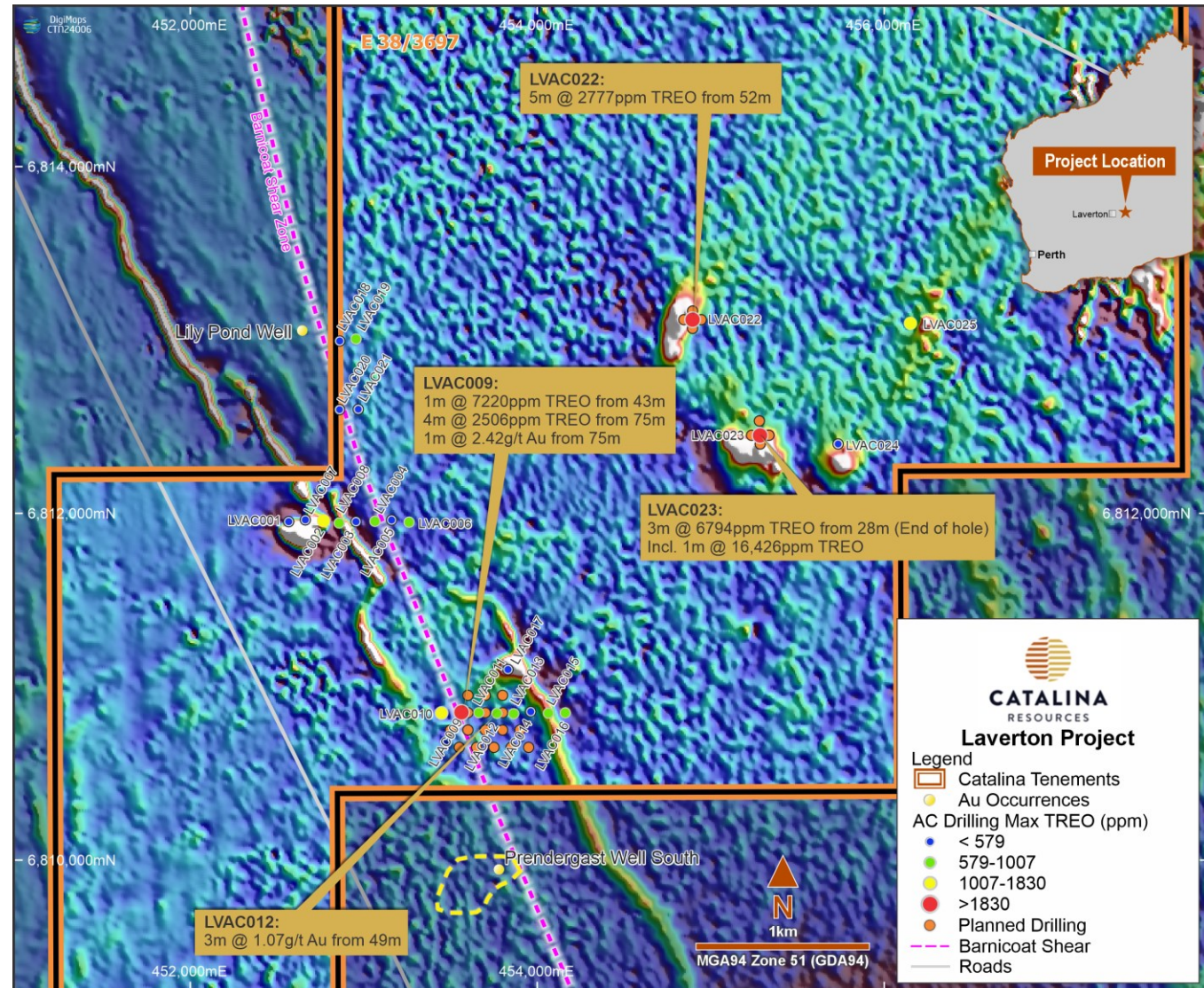
Laverton Project

- Located within the Laverton Gold Province, an exceptionally well mineralised terrain in the Eastern Goldfields, Western Australia
- A compilation and review of previous exploration and reimagining of the aeromagnetic data has identified gold, nickel and rare earth (REE) targets:
 - Gold: Shear zone hosted gold within the Barnicoat Shear Zone, southeast of the Lily Pond Well gold resource and along strike of the Ida H and Mon Ami resources
 - REEs: Eight possible Mt Weld style magnetic carbonatitic bodies related to the large carbonatite intrusion at the nearby Mt Weld world class REE deposit
 - Nickel sulphide: Historical drilling (LPR021 and LPR023) intersected anomalous nickel geochemistry within the Pelican Ultramafic Unit, southwest of the Pelican Laterite Nickel resource



Laverton Project

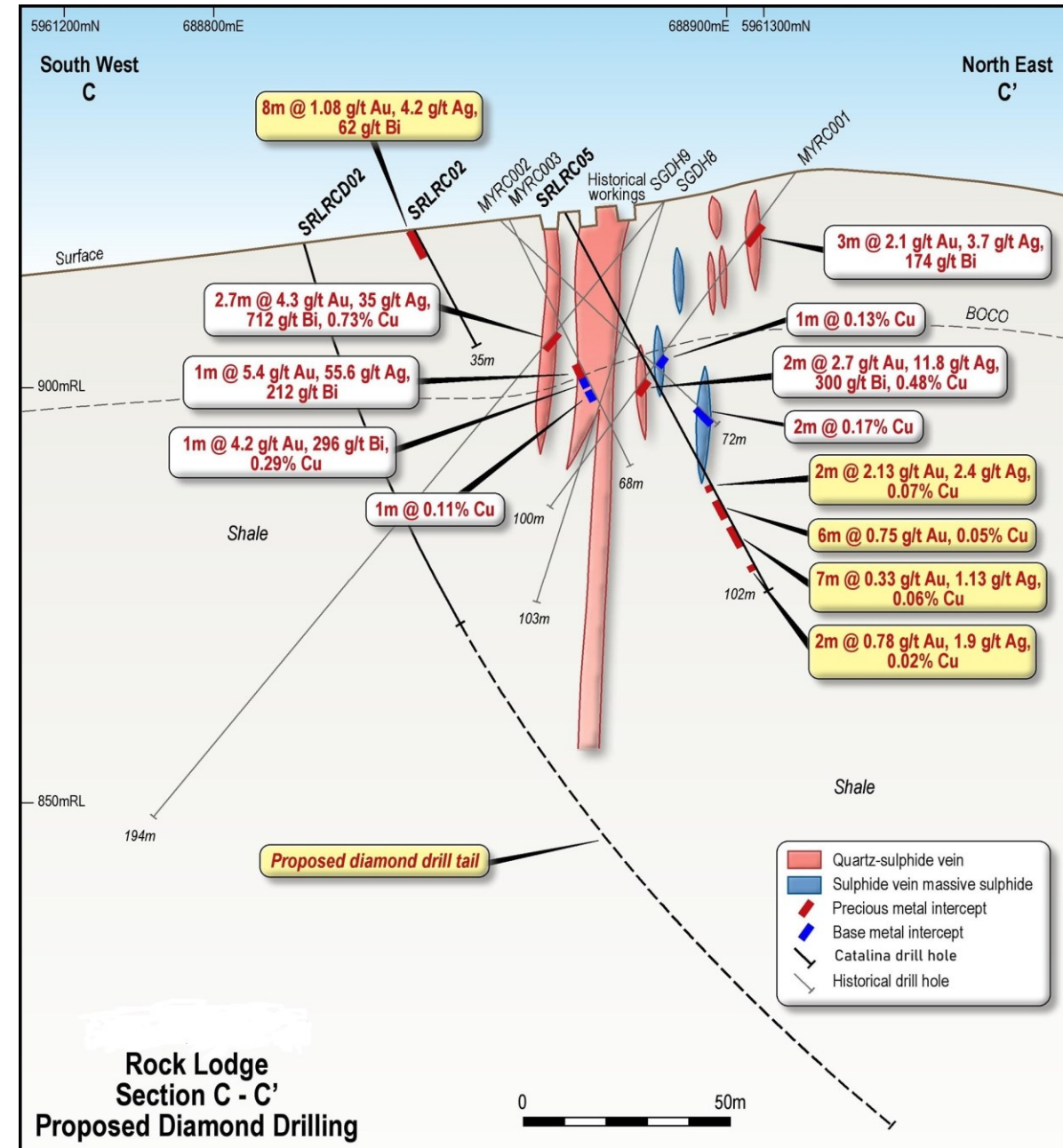
- Air core drilling in February 2024 by Catalina intersected gold and REE
- Mineralized gold intervals returned best results including:
 - LVAC009 1m @ 2.42g/t Au from 75m
 - LVAC012 3m @ 1.07g/t Au from 49m
- Gold mineralization is associated with veining and alteration within the NNW trending Barnicoat Shear Zone
- Mineralized REE intervals returned best results including:
 - LVAC023 1m @ 16,426ppm TREO from 28m
 - LVAC022 1m @ 2,633ppm TREO from 37m
 - LVAC022 5m @ 2,777ppm TREO from 52m
 - LVAC009 1m @ 7,220ppm TREO from 43m
 - LVAC009 4m @ 2,506ppm TREO from 75m
- REE mineralisation is hosted in intrusive rocks just 2km to the north of the Mt Weld carbonatite REE mine
- Several small diameter bullseye aeromagnetic anomalies were drill tested and could be related to the Mt Weld carbonatite
- ❖ Follow up air core drilling is planned to better delineate gold and REE targets prior to possible RC drilling – scheduled for mid 2024



Lachlan Fold Belt Project

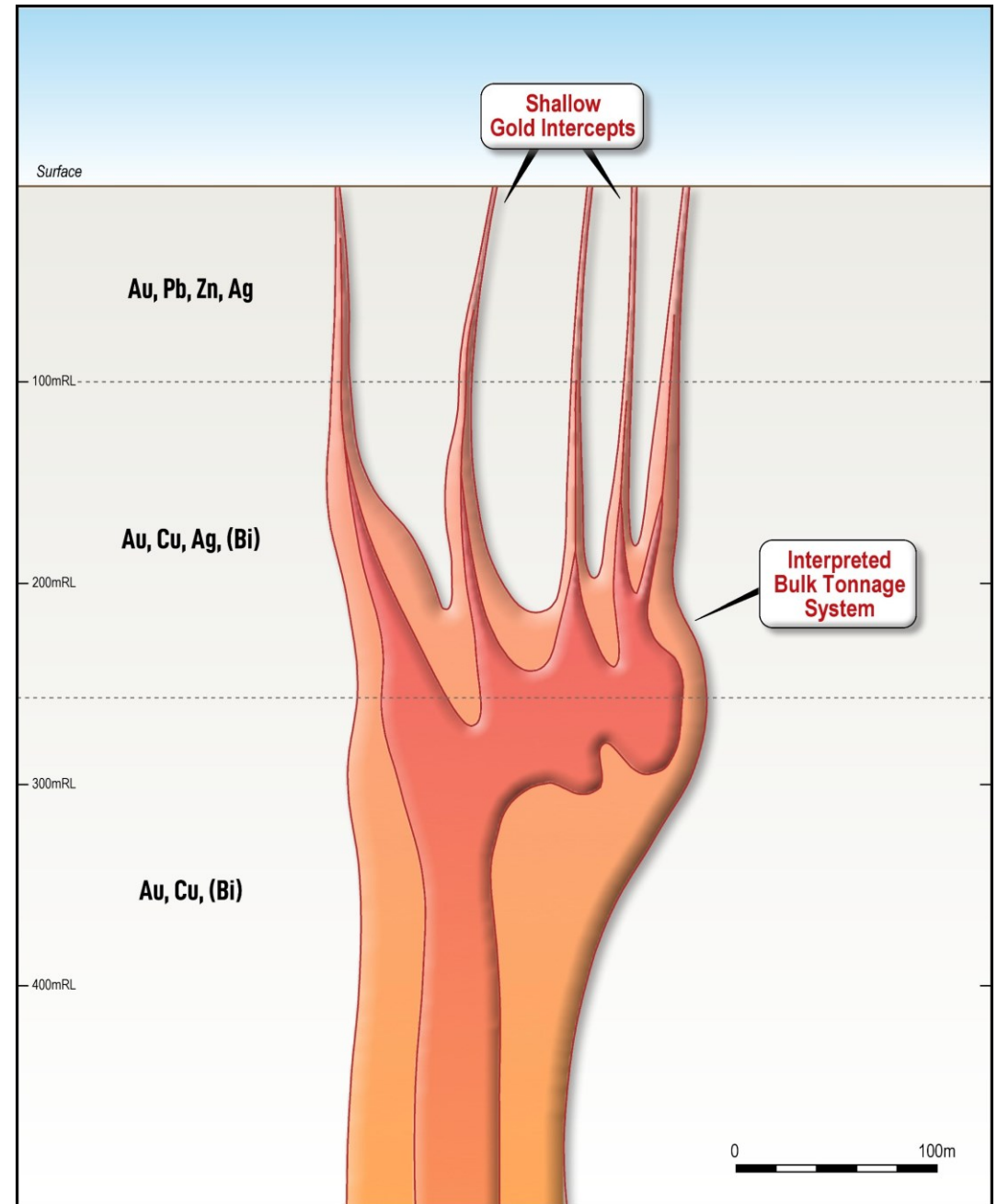
Rock Lodge

- Historic workings were focussed on several gossanous trends in a sequence of siltstones, sandstones and shale
- Surface rock chip sample results **to 21 g/t Au**
- An induced polarisation survey conducted by Southern Gold in 1984 identified several strong chargeability anomalies
- Soil sampling conducted by Catalina highlighted a gold anomaly 450m x 100m centred on a best result of **1.29 g/t Au**
- Historical drilling intersected up to 8m of massive sulphide with recorded grades up to **5.4 g/t Au**
- Catalina completed a 15-hole RC drilling (including 2 pre-collars for deeper diamond drilling) in April 2022:
 - Intersected multiple stacked gold and silver lenses
 - The deepest hole, SRLRC05 intersected 4 separate mineralised zones from 75m to 99m downhole (**including 2m @ 2.13 g/t Au and 2m @ 2.12 g/t Au**)
 - At the end of SRLRC05 at 102m, rocks were still showing signs of pervasive hydrothermal alteration
 - West of SRLRC05, Catalina's drilling has intersected mineralisation in SRLRC02 (**8m @ 1.08 g/t Au including 3m @ 2.12 g/t Au**)
 - Intersections from Catalina's SRLRC02 to SRLRC05 in conjunction with the historical drilling (including MYRC01) constitute a very wide (60m) mineralised envelope
- Apart from Au and Ag, the mineralisation includes varying amounts of Bi, As, Cu, Sb, Pb, Cd and Zn
- ❖ Diamond drilling scheduled for spring season of 2024 after completion of site works in accordance with the AHIP (Aboriginal Heritage Impact Permit) as well as the wet winter season



Lachlan Fold Belt Project

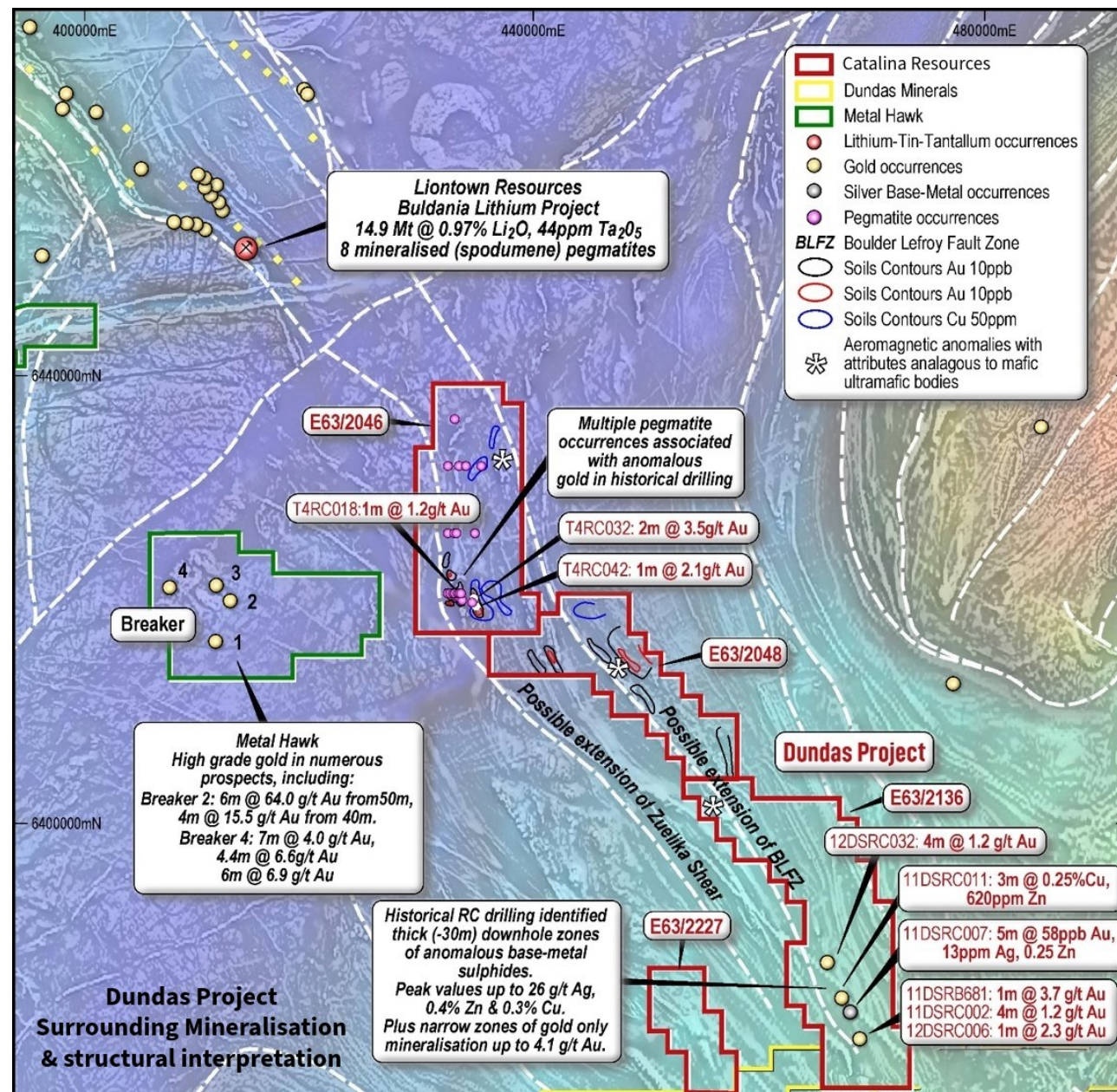
- Rock Lodge has possible affinity with the Intrusion Related Gold System (IRGS) style of gold mineralization
- The multiple sulphide veins with gold and elevated bismuth and copper may represent mineralization above an intrusion at depth
- Mineralisation associated with the intrusion represents a bulk tonnage target



Rock Lodge – IRGS conceptual model

Dundas Project

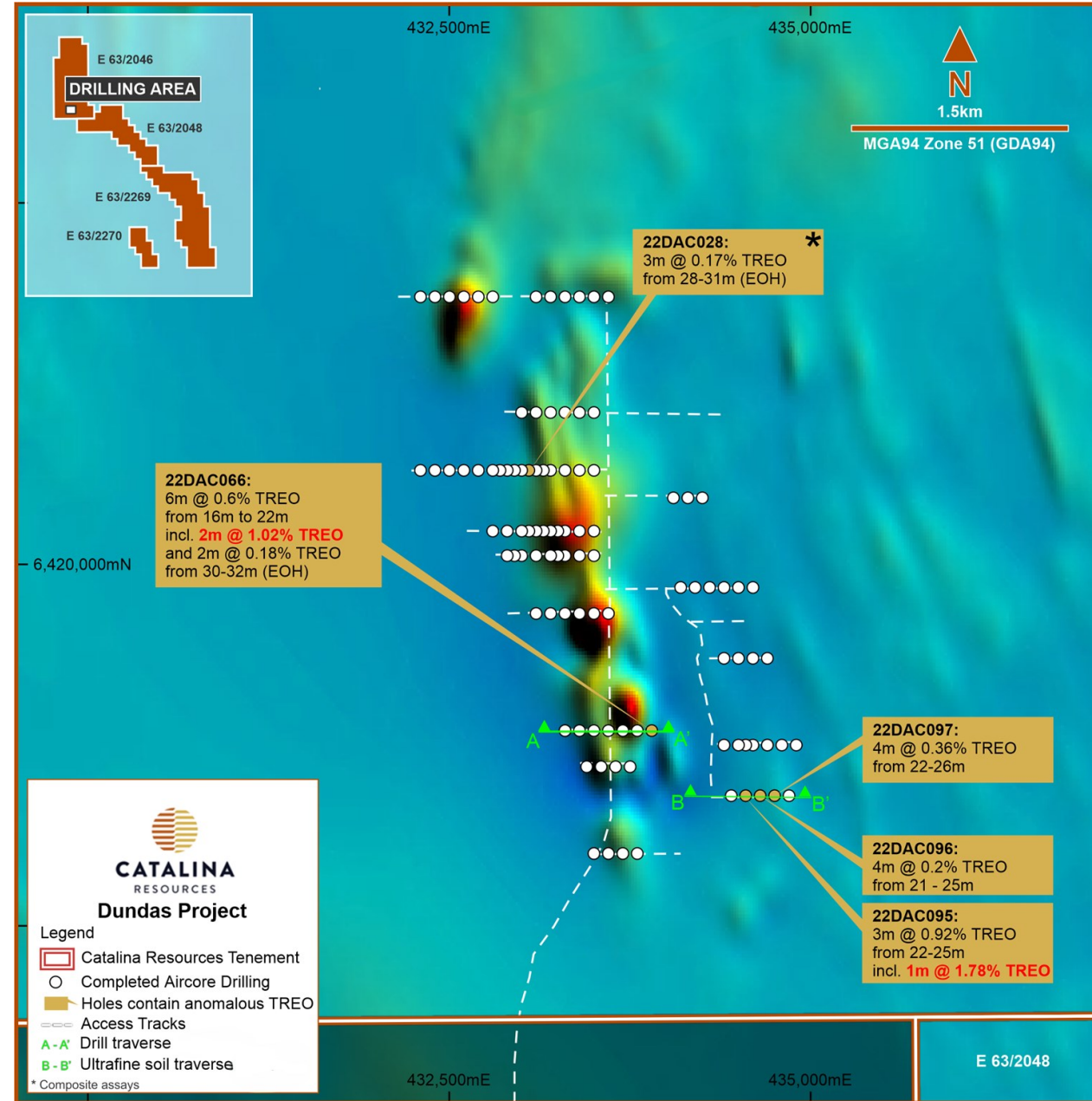
- Two granted exploration licences (E63/2046 and E63/2048) and two applications (E63/2136 and E63/2227) in the Albany Fraser Orogen (AFO) are interpreted to occur along strike of the well-endowed Boulder Lefroy Fault Zone and the Zuleika Shear
 - World class lithium in pegmatite deposits are spatially related to these mineralised structures to the north of Catalina's tenure
 - Pegmatites have been recorded from historical drill logs proximal to these structures within Catalina's tenure
 - Historical drilling intersections up to **3 g/t Au** remain open and the associated soil geochemistry suggests the mineralisation is much more extensive than indicated by drilling



Dundas Project

- Air core drilling in Dec 2022 by Catalina intersected TREOs grades exceeding 1%
 - ❖ Hole 22DAC095 intersected 3m @ 0.92% TREO, including **1m @ 1.78% TREO**
 - ❖ Adjacent holes (100m apart) are also very anomalous
 - ❖ Hole 22DAC066 intersected **2m @ 1.02% TREO**. This hole also contained 2m @ 0.18% TREO in the bedrock at the EOH
 - ❖ Very high Nd_2O_3 assays received with up **0.35%** intersected in 22DAC095 and 0.23% in hole 22DAC066
 - ❖ Latest assays confirm a valuable Heavy Rare Earth Element ratio of **19% HREO/TREO** and critical magnet metals **NdPr + DyTb ratio of 24% of TREO**

- Tenements wholly within Dundas Nature Reserve
 - ❖ Requires Ministerial approval of a CMP (Conservation Management Plan) for each phase of proposed exploration



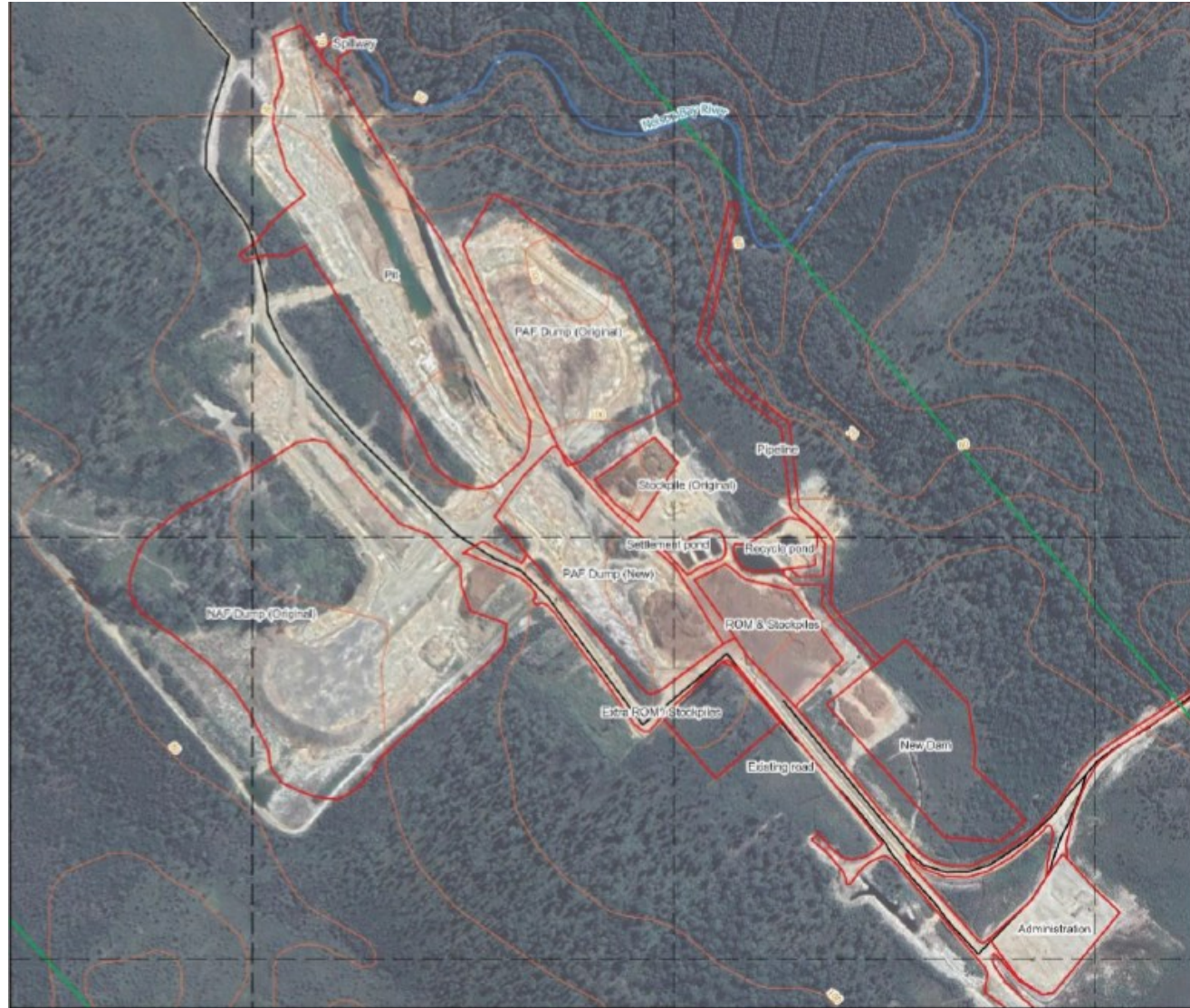
Nelson Bay Iron Project

- Developed from initial DSO discovery in 2010 to production in 2013 in **Benchmark cost and time** - First company to mine DSO Iron Ore in Tasmania
- Proximal to Savage River Magnetite (Grange Resources , ASX : GRR)
- Present resources – 1.37Mt goethite-hematite DSO/BFO and 7.8Mt magnetite
- DSO Iron Ore production and shipments - November 2013 to June 2014
 - Approximately 58% Fe
 - Low alumina
 - Iron Ore Lump (approximately 40% by volume)
 - Costs of approximately AUD \$72 per tonne FOB Burnie Port*
 - 5 shipments made to China; product well accepted
- Care and maintenance since June 2014
- Incremental infrastructure required to be developed for restart



Nelson Bay Iron Project

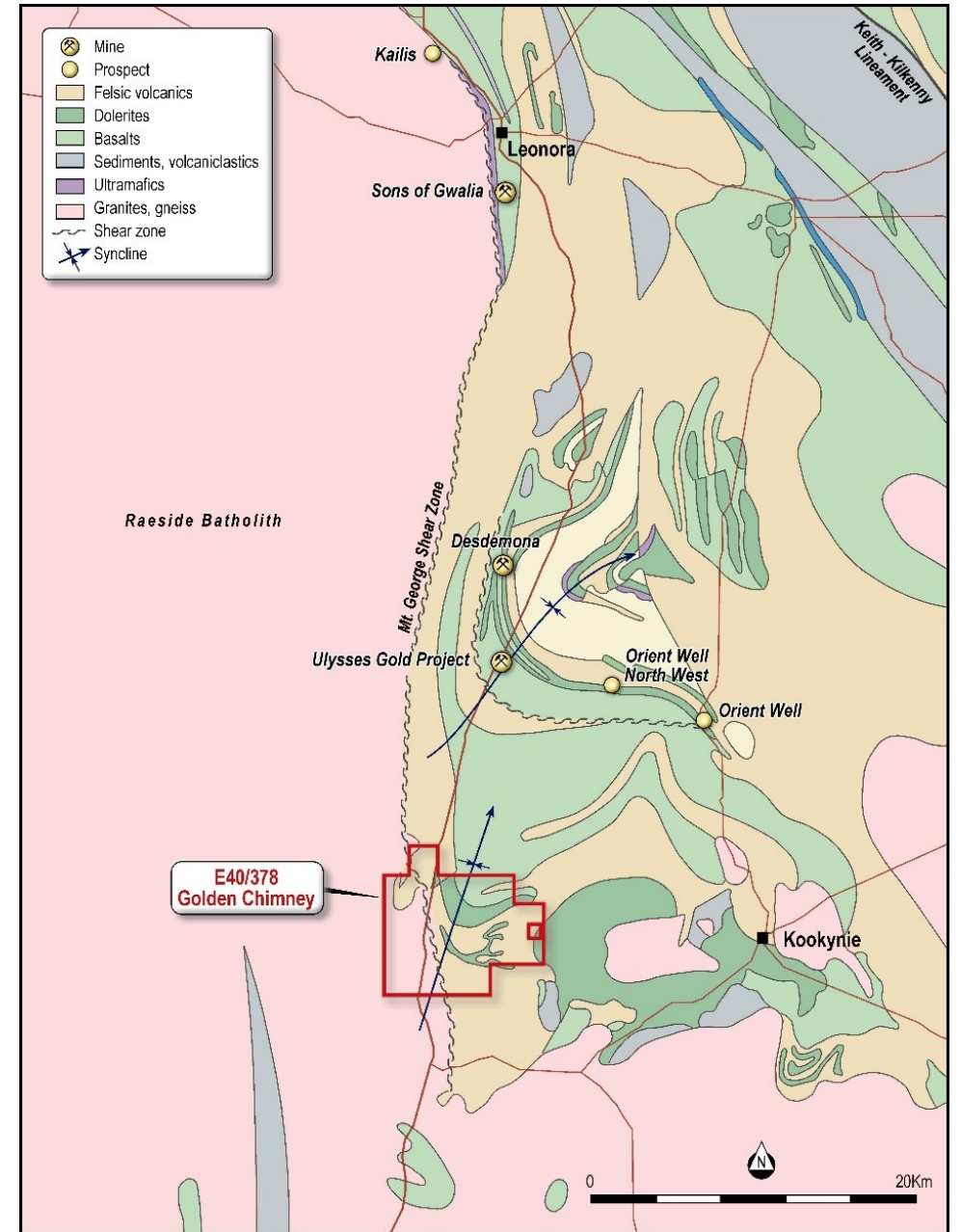
- Current Development Proposal – DSO Project
 - Recommence previously developed DSO Pit under EPBC 2011/5846
 - Deepening of existing DSO Pit (~30m) to approximately 80m
 - Over previous cleared disturbed area (~64ha) plus insignificant new clearing (~3ha) for a total approximately 67 ha
- Re-permitting
 - Development Application made to Council in August 2018 for new permit for DSO operations only to replace old permit issued in 2012
 - Draft DPMP accepted by EPA as prepared in accordance with the guidance - advertised between December 2021 and February 2022 for Public Consultation
 - EPA advised in March 2022 that current proposal before the EPA (DA 18/059) should be referred under the EPBC Act, specifically in relation to the potential for water discharge to impact the Giant Freshwater Crayfish (GFC)
 - DCCEEW issued EPBC Referral Decision in November 2023, that the proposed action is a controlled action to be assessed by EIS
 - Guidelines to prepare EIS issued by DCCEEW at the end May 2024
 - The Company is initiating base line data collection as required by EIS Guidelines



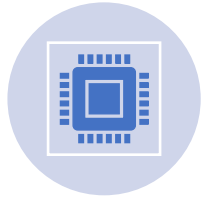
Kookynie West Project

Golden Chimney

- Tenement is located south of Leonora in close proximity to Genesis Metals Ulysses-Orient Well project and Metalicity's Kookynie project
- Project covers a folded sequence of dolerite and basalt in the core of a regional scale fold
- Gold mineralisation is hosted by differentiated granophyric units within a dolerite. A common setting for gold mineralization e.g. Mt Charlotte Mine in Kalgoorlie
- Gold targets located where NNW trending faults intersect the brittle granophyric dolerite
- Reconnaissance mapping has recorded abundant pegmatite dykes within E40/378 on the western side of tenement



Strategy



Project incubation (identify and acquire portfolio of under explored projects)



Advance projects using modern exploration techniques



Realise value development, mining, JV, sale

❖ **The Company has built a portfolio of projects in highly prospective terranes**

- *FY 2019 : Kookynie West*
- *FY 2021 : Lachlan Fold Belt*
- *FY 2022 : Dundas*
- *FY 2024 : Laverton*

❖ **Process of continuous evaluation and prioritisation of its project portfolio**

- *FY 2022 : Divest Arunta JV to MetalsGrove Mining Ltd (ASX: MGA). Retained exposure via substantial shareholding*

❖ **Action Plans**

- **Air core drilling planned at Laverton Project** - to better delineate gold and REE targets prior to possible RC drilling - **scheduled for mid-2024**
- **Diamond drilling planned at Rock Lodge – Lachlan Fold Belt Project** - **scheduled for spring season of 2024** after completion of site works in accordance with the AHIP (Aboriginal Heritage Impact Permit) as well as the rainy winter season
- **Initiating base line data collection at Nelson Bay Iron Project as required by Guidelines to develop EIS.**
- **Pursuing approval of Conservation Management Plan at Dundas Project to enable further exploration.**
- **Business Development: continues to seek new projects to build the project pipeline (early stage to advanced).**

Connect with us

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