

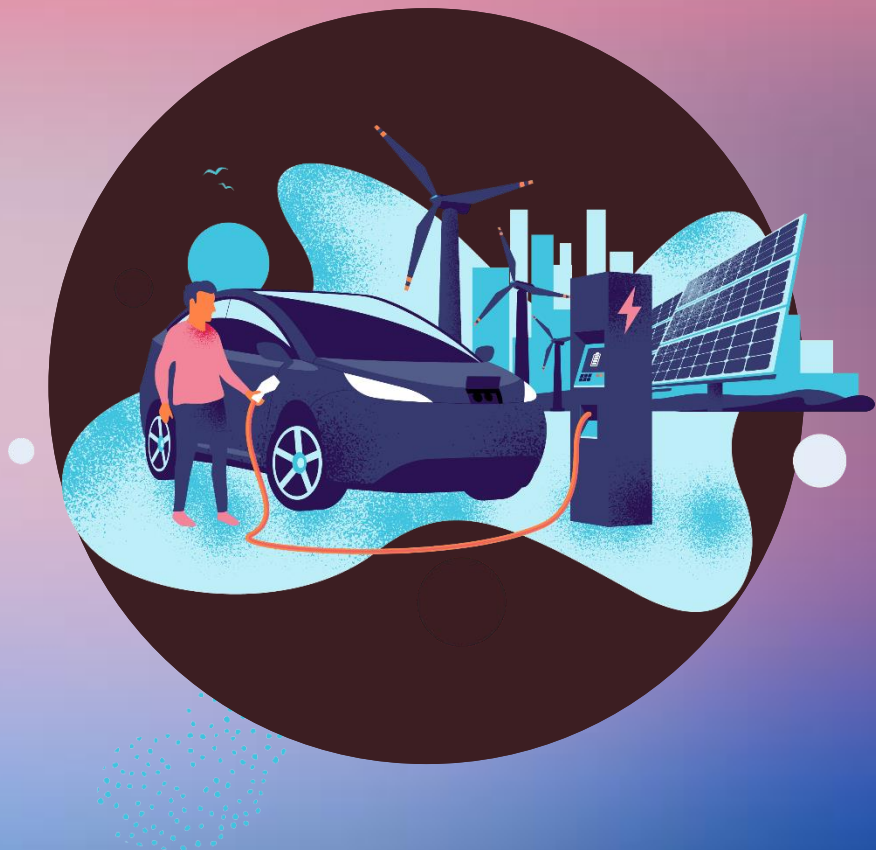


Australian Rare Earth Metals for Green Technologies

Investor Presentation

June 2022

ASX | OD6



Important Information



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Certain statements contained in this presentation, including information as to the future financial or operating performance of OD6 and its projects, are forward looking statements. Such forward looking statements:

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- are necessarily based upon several estimates and assumptions that, while considered reasonable by OD6, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies; and
- involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward-looking statements.

OD6 disclaims any intent or obligation to update publicly any forward-looking statements, whether as a result of new information, future events or results or otherwise. The words "believe", "expect", "anticipate", "indicate", "contemplate", "target", "plan", "intends", "continue", "budget", "estimate", "may", "will", "schedule" and similar expressions identify forward looking statements. All forward looking statements made in this presentation are qualified by the foregoing cautionary statements. Recipients are cautioned that forward looking statements are not guarantees of future performance and accordingly investors are cautioned not to put undue reliance on forward looking statements due to the inherent uncertainty therein.

No representation is made that, in relation to the tenements the subject of this presentation, OD6 has now or will at any time in the future develop further resources or reserves within the meaning of the Australian Code for Reporting of Exploration Results, Mineral resources and Ore Reserves (**The JORC Code**).

Competent Persons Statement

The information contained in this presentation that relates to exploration results is based on and fairly represents information and supporting documentation prepared by Mr Beau Nicholls, Principal Consultant at Sahara Operations (Australia) Pty Ltd. Mr Nicholls, a member of the Australian Institute of Geoscientists, has sufficient experience relevant to the style of mineralisation and type of deposits under consideration, and to the activity which he has undertaken to qualify as a Competent Person as defined in the JORC Code. Mr Nicholls consents to the inclusion of the matters based on his information in the form and context in which the exploration results and supporting information are presented in this presentation.

Exploration by Other Explorers

This presentation contains information sourced from the reports of Other Explorers. References to the original reports are provided as footnotes where the information is cited in this presentation. OD6 does not vouch for the accuracy of these reports. OD6 has taken the decision to include this information as it is in the public domain and as we assess it to be of relevance to shareholders and investors.

Investment Highlights

1. **Providing critical materials for advanced technologies**

Securing Australian supply

2. **Dominant landholding**

100% interest in a substantial and strategic tenement base

3. **Superb geological and metallurgical prospectivity**

Strong potential for globally-significant REE resource definition

4. **Rapidly emerging clay hosted REE province**

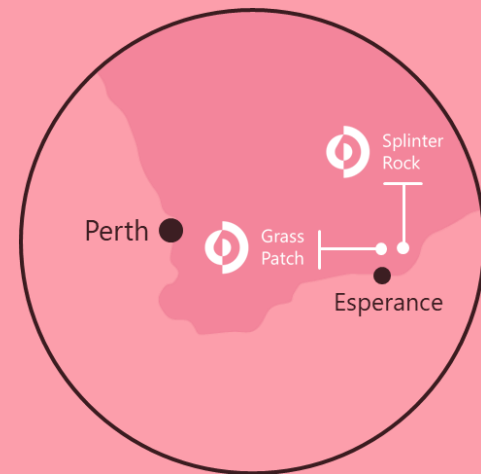
Excellent regional infrastructure and proximity to Esperance port

5. **Low carbon “Green Rare Earth” potential**

Abundant regional wind and solar resources

6. **A track record of delivery**

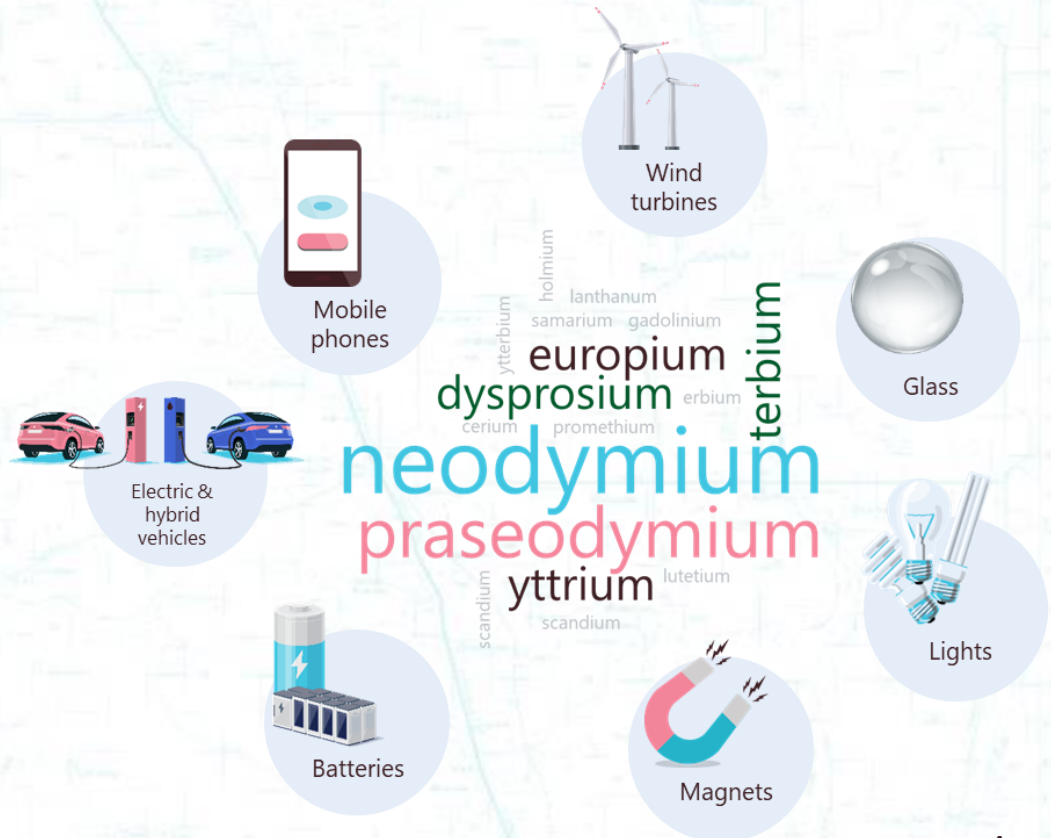
Combining REE discovery experience and project delivery expertise



1. Critical Metals for Technology

REE's support approximately half the world's advanced technologies¹

Our projects demonstrate excellent concentrations (>20% of TREO) of **neodymium (Nd)** and **praseodymium (Pr)**, often the essential elements needed for high-tech devices¹

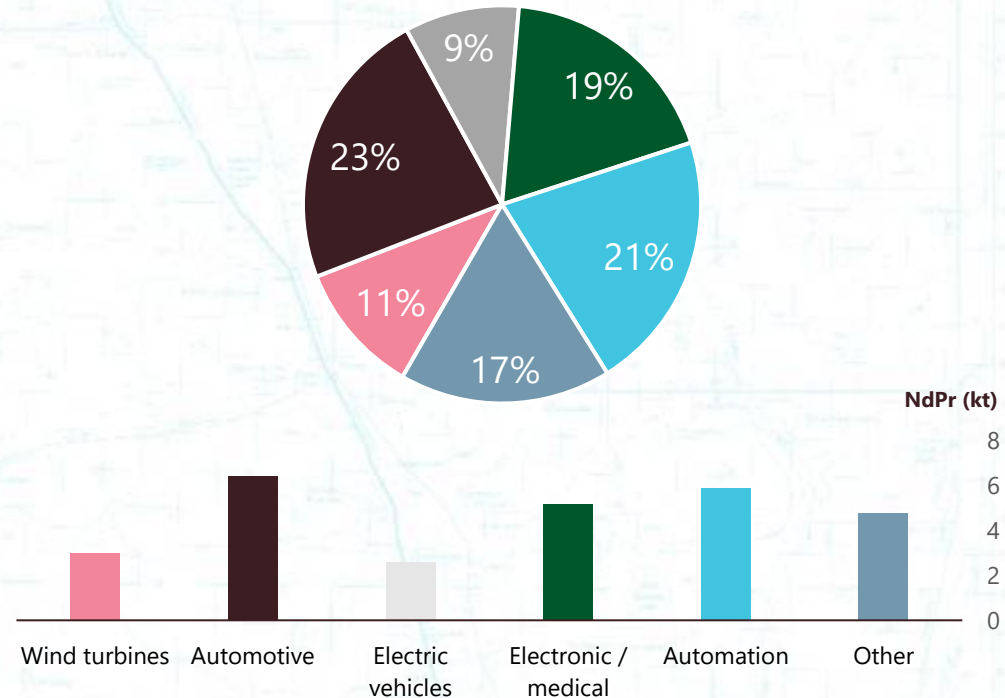


1. Critical Metals for Technology

Considered critical for today's advanced technologies **NdPr is expected to remain in high demand for the foreseeable future¹**

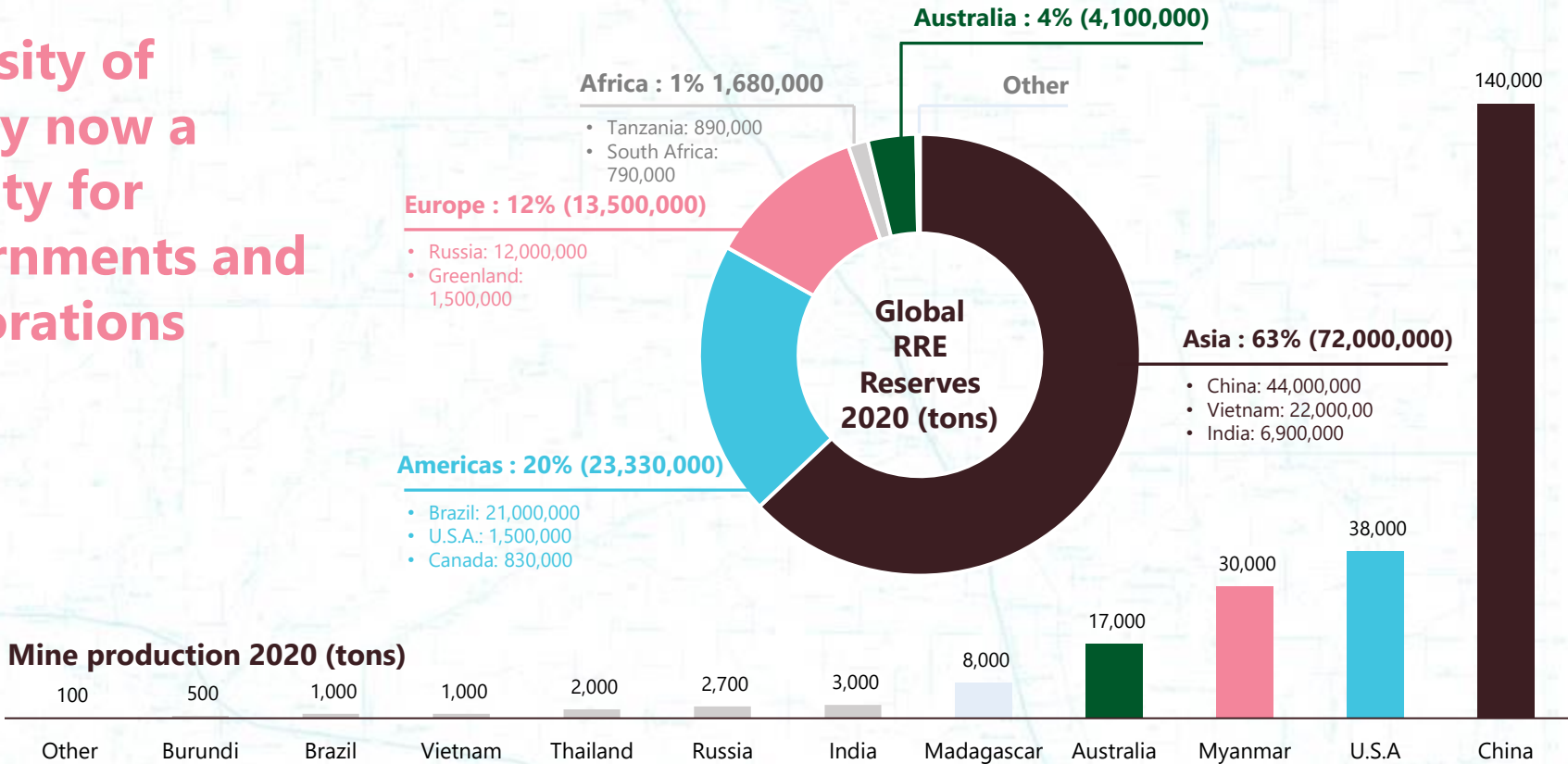
Forecast Chinese supply constraints has the **market in fundamental deficit** resulting in **increasing prices**

NdPr oxide demand drivers 2020



1. Securing Australian Supply

Diversity of supply now a priority for governments and corporations

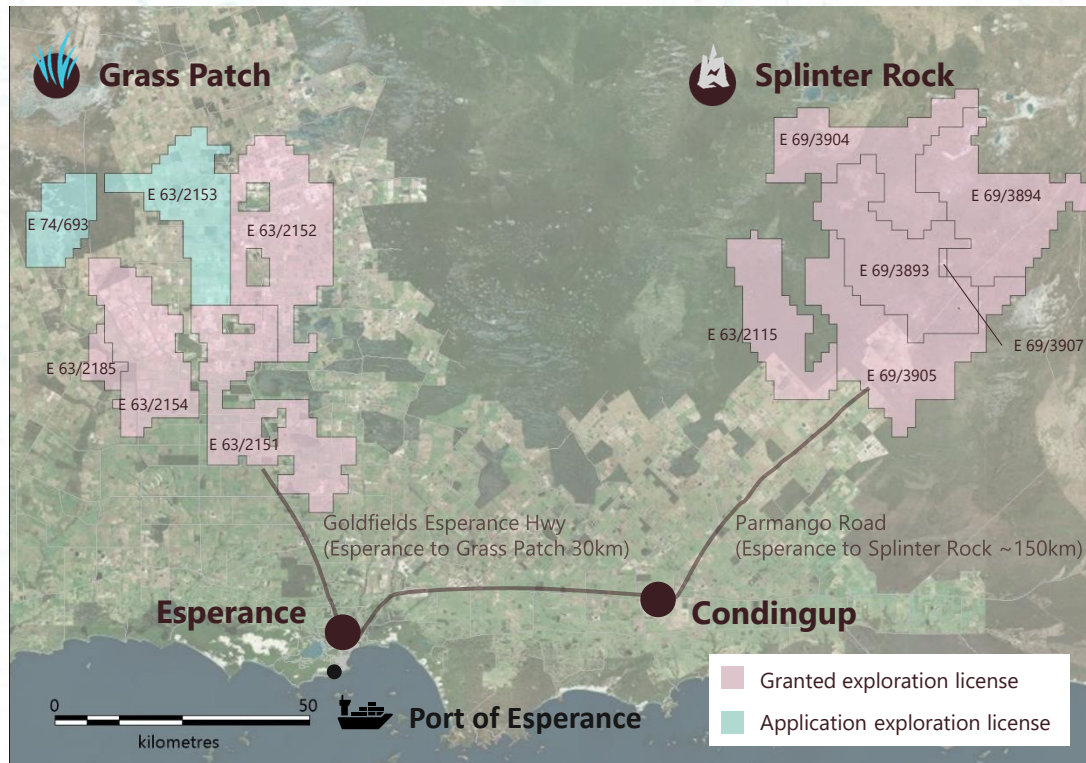


Source: USGS Mineral Commodity Summaries, Rare Earths: <https://pubs.usgs.gov/periodicals/mcs2021/mcs2021.pdf>

2. Dominant Landholding

Vast 4,828 km² tenement package across the **100% owned**, highly prospective Grass Patch and Splinter Rock clay rare earth projects.

Each project length is equivalent to the distance between Melbourne and Geelong



3. Superb Prospectivity

Regional mineralisation is considered similar to clay REE deposits of southern China¹

Historic drilling at Splinter Rock suggests TREO grades 2 – 3 times higher than Chinese REE clay deposits²

Metallurgical Recoveries will be optimised with targeted geo-metallurgical R&D testwork programs

Historic regional metallurgy highlights¹

REE extractions of 25 to 93% reported in the region with 80% recovery using HCL leaching at 30 degrees Celsius

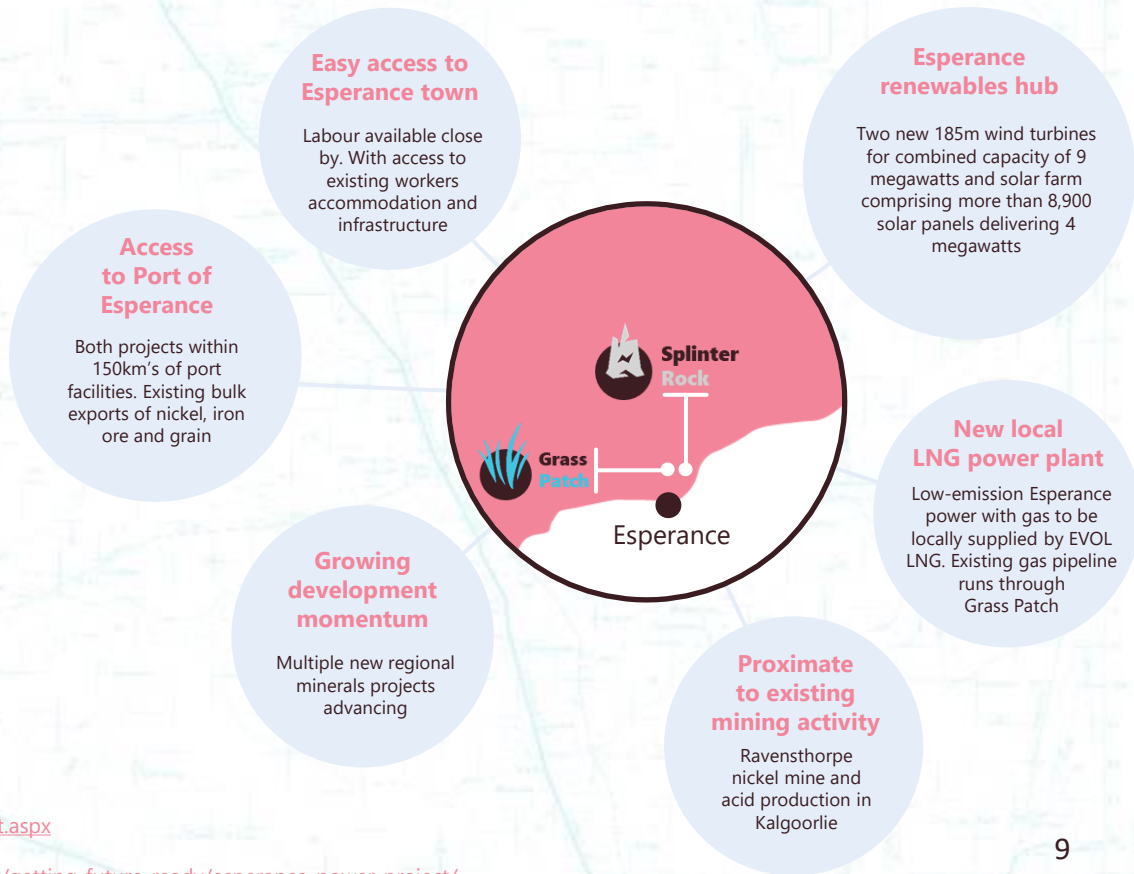
Valuable REE elements, dysprosium (Dy) and neodymium (Nd), had **high average extractions of 86% and 89%, and ~95% of Nd-Pr** at 30 degrees Celsius

1. There has been no metallurgical test work on the drillholes within the OD6 tenements directly, but there has been test work by projects in the region by Salazar and Mt Ridley Mines Ltd. Refer to reference list in Independent Geological Report in the Company Prospectus

2. Wang, D-H *et al*, 2018. Exploration and research progress on ion-adsorption type REE deposit in Southern China. *China Geology*, 3, 415-424

4. Rapidly Emerging Clay REE Province

Esperance region,
infrastructure and
port is perfectly
placed to become
**the premier
emerging clay
hosted REE
province globally**



Sources:

Ravensthorpe: <https://www.first-quantum.com/English/our-operations/default.aspx>

LNG plant: <https://www.evolng.com.au/site/esperance-power-station>

Esperance Power Project: <https://www.horizonpower.com.au/your-community/getting-future-ready/esperance-power-project/>

5. Low Carbon Potential



Ideally placed for the future delivery of low carbon, environmentally sensitive, critical rare earth elements for today's advanced technologies

Abundant regional wind and solar resources, with hydrogen hub potential = "Green Rare Earths"

Future facing commodity with downstream value adding potential

6. Track Record of Delivery



Dr Darren Holden
NON-EXECUTIVE
CHAIR

- Founder and Non-Executive Chairman of OD6
- BSc (hons) in Geology, with a PhD in history (of science collaboration) with more than 25 years of international experience in mineral discovery and mineral exploration technologies
- Currently Non-Executive Director of Aurumin Limited (ASX: AUN)



Mr Brett Hazelden
MANAGING
DIRECTOR

- Metallurgist with over 25 years experience in the resources industry
- Capabilities span exploration, project studies, research and development, project approvals, offtake agreements, equity raising, debt financing and mergers and acquisitions
- Previously Founder and Managing Director of Kalium Lakes (ASX: KLL)



Mr Piers Lewis
NON-EXECUTIVE
DIRECTOR

- Finance professional with over 25 years corporate advisory experience within various ASX listed companies and investment banks
- Founder of SmallCap Corporate, providing corporate advisory, IPO management, CFO and company secretary services
- Current Non-Executive Director and Company Secretary for a number of ASX listed companies



Dr Mitch Loan
NON-EXECUTIVE
DIRECTOR

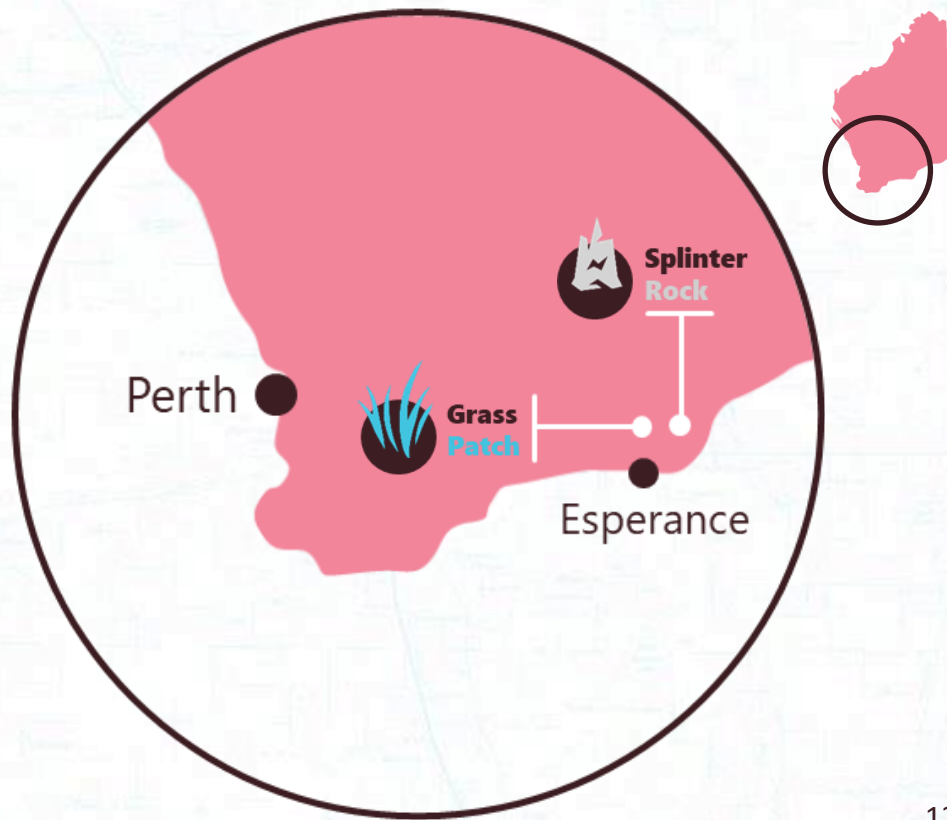
- Mining executive with over 20 years experience
- Diverse experience in operational, commercial, strategy, stakeholder management, governance and technical and corporate development across the minerals industry
- Current Global Director of Strategy and Business Development for Alcoa, a leading mine to metal Aluminium company

Project Area Detail

 **Splinter Rock**

 **Grass Patch**

Dominant landholding of 4,828 km² across two large-scale projects within the premier emerging clay hosted REE province globally

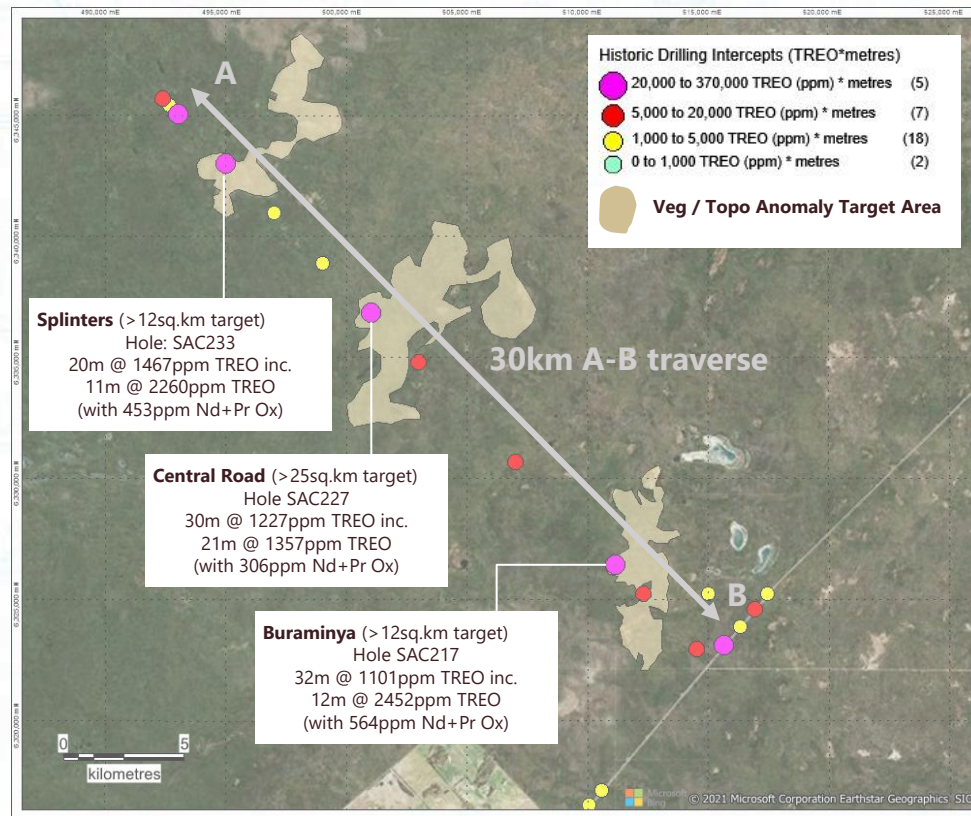


Six granted exploration licenses spanning over 2,700km²

Historic High Grade TREO drill intercepts across a 30km drilling traverse

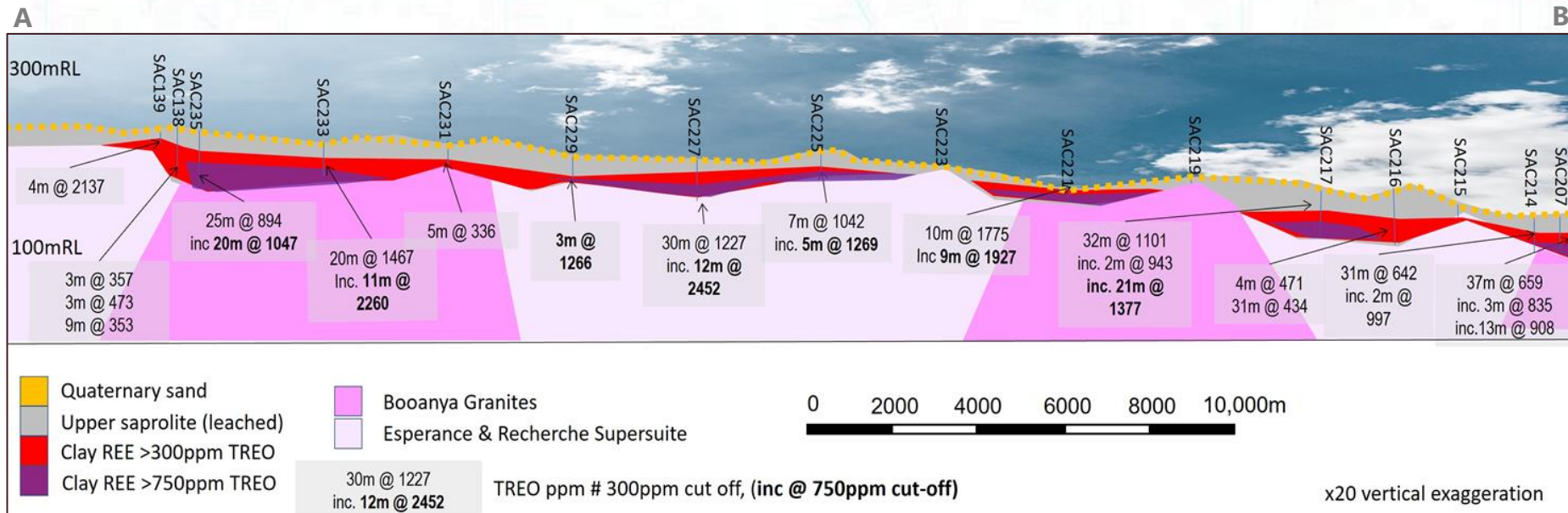
Three key exploration priority areas identified by OD6 Metals

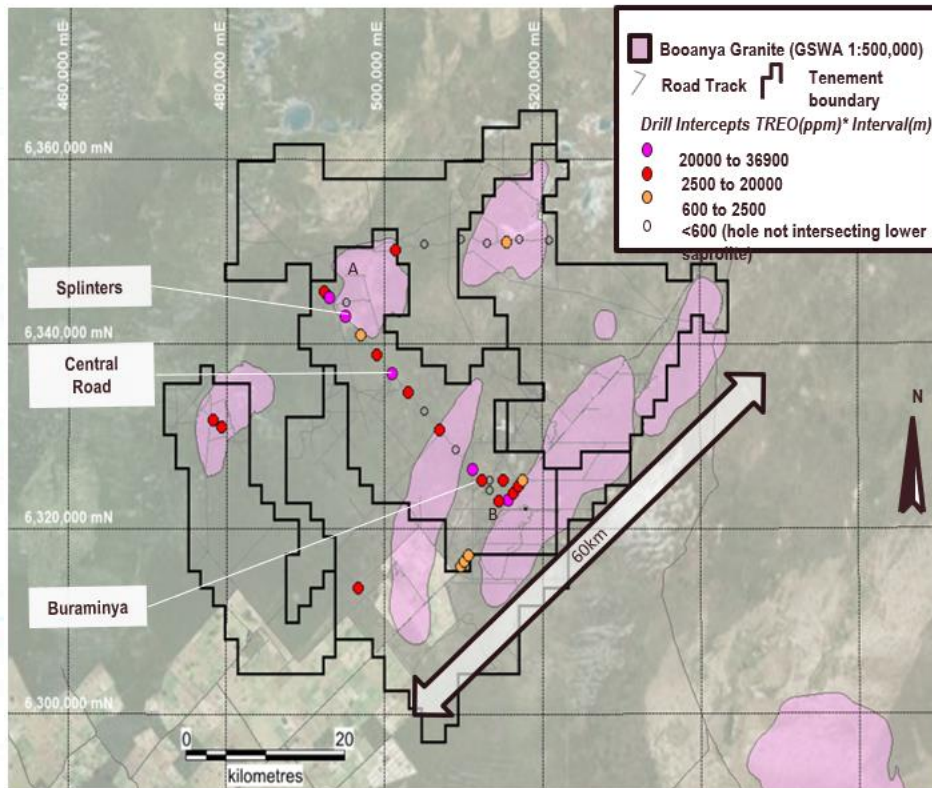
Drilling to commence Q3 2022



Intersections up to **37m in thickness** over the historic drilling traverse

NdPr oxides make up over 20% of the total TREO basket in higher grade zones





Mineralisation extent yet to be constrained

Massive regional exploration potential to expand REE intercepts and potential Resource area

30km by 40km target area

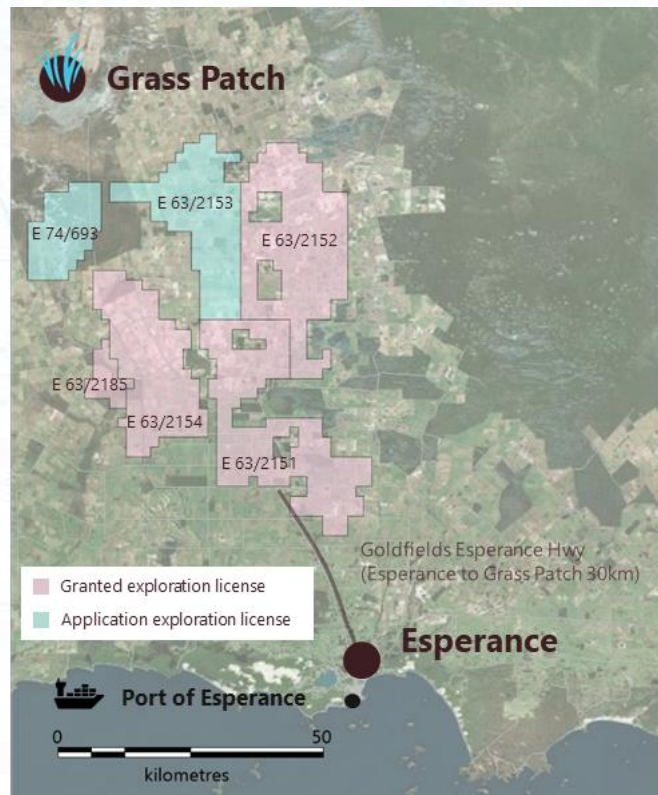
Proposed geophysics to map clay thickness and prospectivity

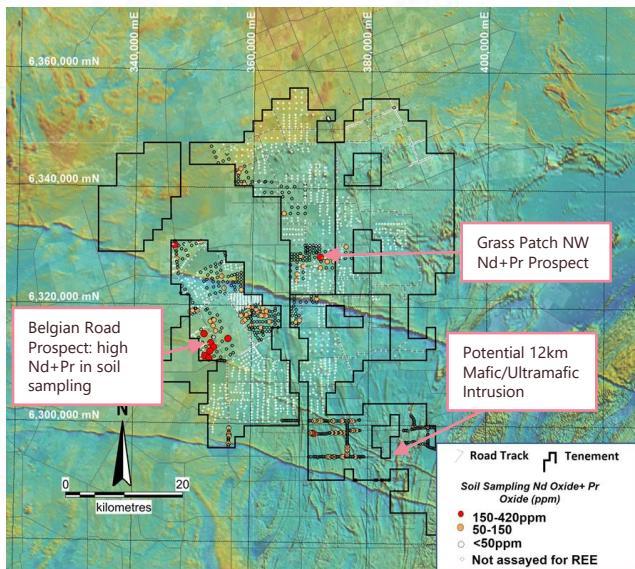


Four granted exploration licenses
and two applications spanning
over 2,250km²

**Soil geochemistry and water
bore anomalies indicate high
level of prospectivity for REE**

Three key exploration priority
areas identified by OD6 Metals





The Belgian Road Prospect is the key location with a 5km long Nd+Pr soil anomaly identified and, regionally **some of the highest REE detected in water bore sampling in Western Australia**

Further clay profile mapping utilising airborne electromagnetics planned

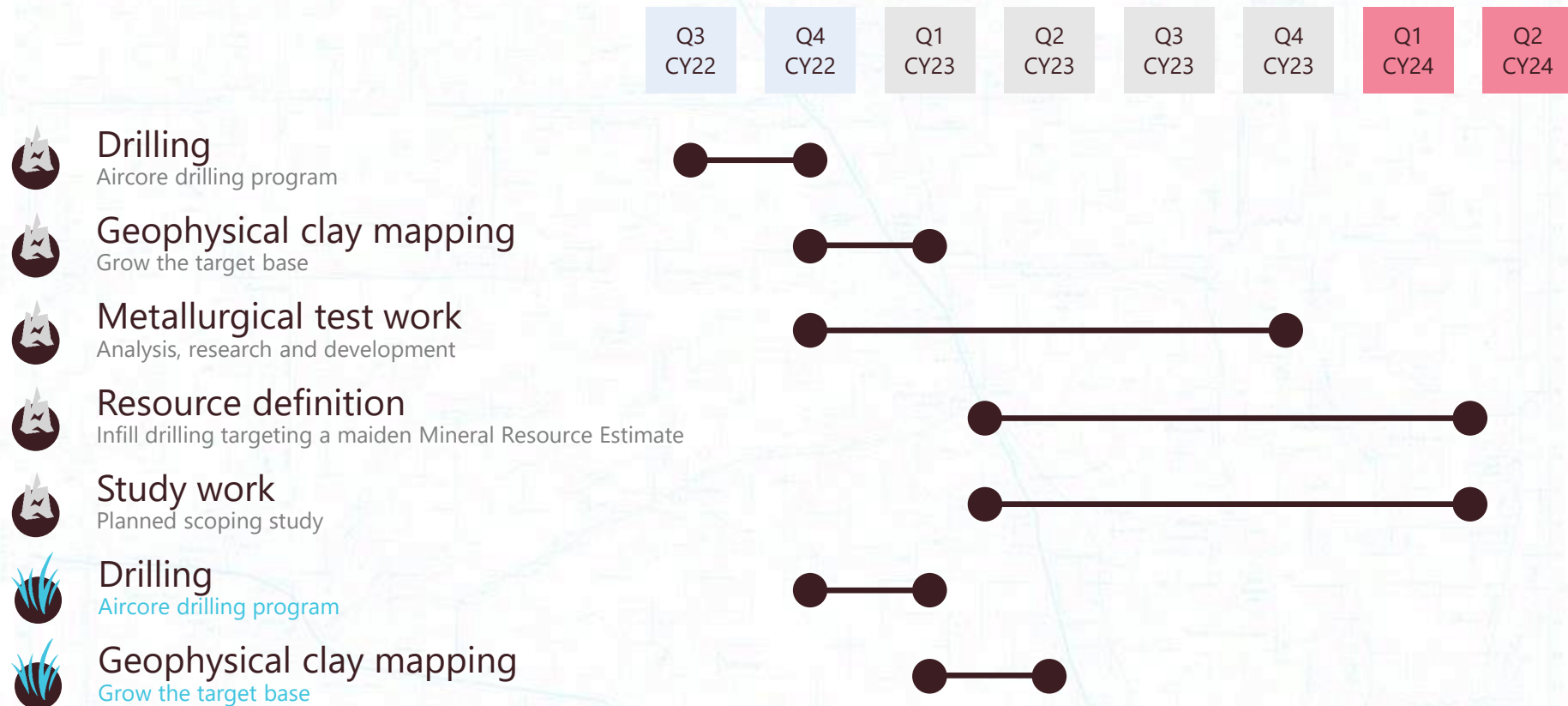
Drilling to Commence Q4 2022



Dr Darren Holden
NON-EXECUTIVE
CHAIR

“Our immediate focus is drilling out our clay REE systems, with a view to rapidly delineate a globally significant JORC compliant maiden Mineral Resource Estimate.”

Planned work program

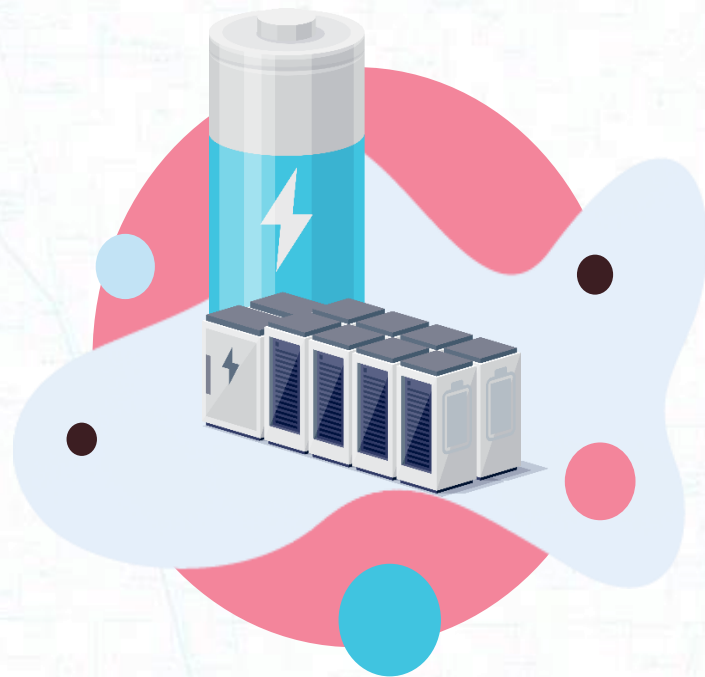


Corporate snapshot

Capital structure

ASX: OD6

Current price per share	A\$0.15
Total number of shares ¹	102.45M
Market capitalisation	A\$15.36M
Gross proceeds of initial public offer	A\$8.00M
Cash (inclusive of all listing fees)	A\$9.27M
Debt	A\$0.00M
Enterprise Value	A\$6.10M



1. The Company also has 22,050,371 Founder Options (see section 8.2 of the Prospectus) and 300,000 Recruiter Options (see section 8.3 of the Prospectus) on issue.
2. The Company has 2,500,000 Lead Manager Options on issue, refer to Section 7.3 and Section 8.4 of the Prospectus for terms of the Lead Manager Options.
3. The Company has issued 3,850,000 Incentive Options and 1,500,000 Performance Options to the Directors and Officers and 2,500,000 MD Performance Rights to the Managing Director (Management Offer). Refer to sections 8.5 to 8.7 of the Prospectus
4. Certain shares on issue post-listing are subject to ASX imposed escrow. See Pre-quotation disclosure statement announcement dated 20 June 2022 for further details.

- ✓ **Providing critical materials for advanced technologies**
- ✓ **Securing future Australian supply**
- ✓ **Dominant landholding 4800km²**
- ✓ **Rapidly emerging clay hosted Rare Earth province**
- ✓ **Strong potential for globally-significant REE resource definition**
- ✓ **Superb geological and metallurgical prospectivity**
- ✓ **Close proximity to Esperance port, town and roads**
- ✓ **Low carbon “Green Rare Earth” potential - Abundant regional wind and solar resources**



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