

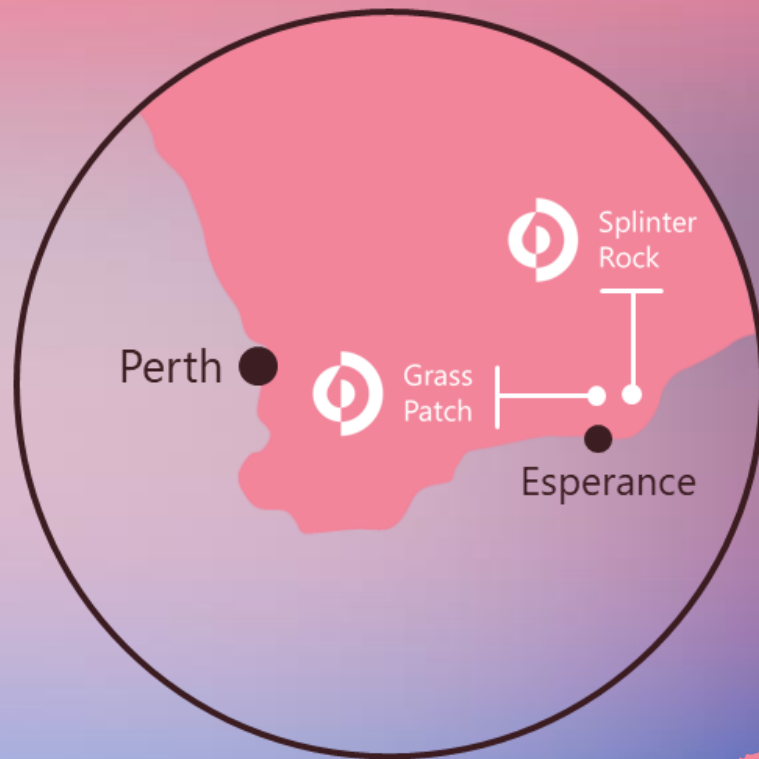


Australian Critical Rare Earth Minerals

AMEC Investor Briefing

September 2022

ASX | OD6



Important Information



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No New Information

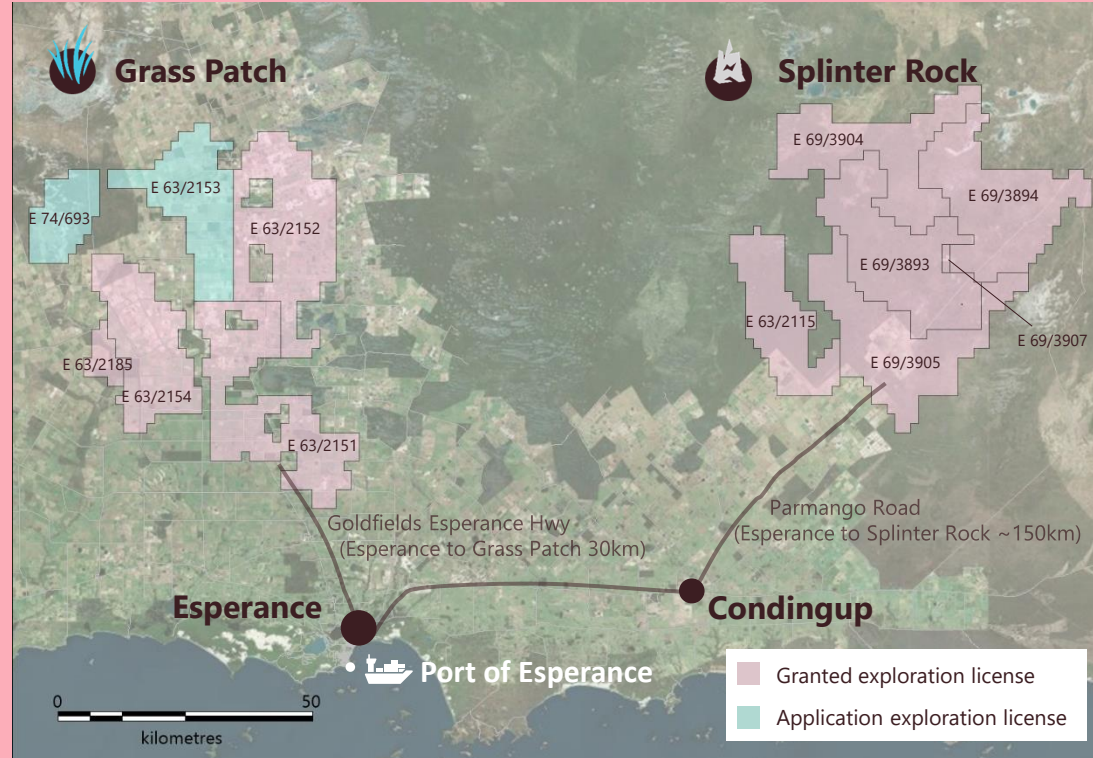
This document contains information extracted from ASX market announcements reported in accordance with the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (2012 JORC Code) and available for viewing at <https://www.od6metals.com.au/investors/asx-announcements/>. OD6 confirms that it is not aware of any new information or data that materially affects the information included in any original ASX market announcement.

Massive Landholding

Substantial 4,828 km²
tenement package of **Clay
Hosted Rare Earth** Projects

Close to **existing port,
sealed roads** and essential
infrastructure

Excellent concentrations of
**neodymium (Nd) and
praseodymium (Pr)**, which
are essential elements needed
for the green economy



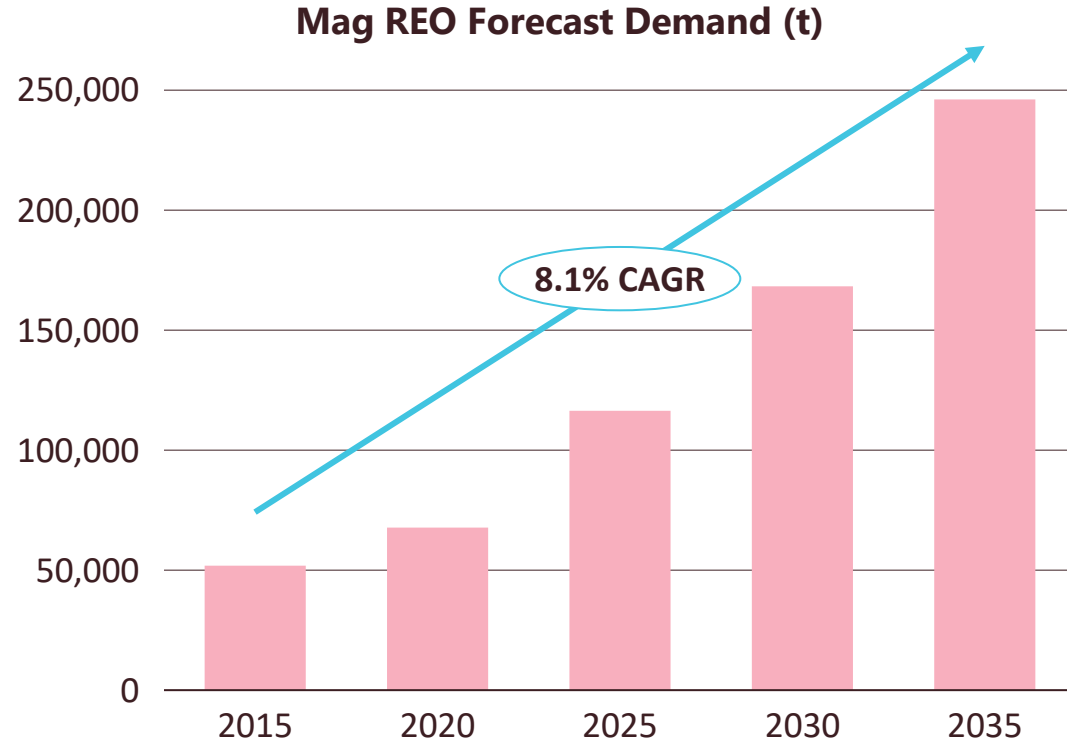
Insatiable Demand for Rare Earth Magnets

Transition from carbon to renewable economy is creating a forecast **explosion in demand for critical rare earth magnet metal oxides**

Compound annual growth rate of 8.1% for Mag REO

Mag REO (Magnetic Rare Earth Oxide) = $\text{Pr}_6\text{O}_{11} + \text{Nd}_2\text{O}_3 + \text{Tb}_4\text{O}_7 + \text{Dy}_2\text{O}_3$

Source: Adamas Intelligence, June 2022



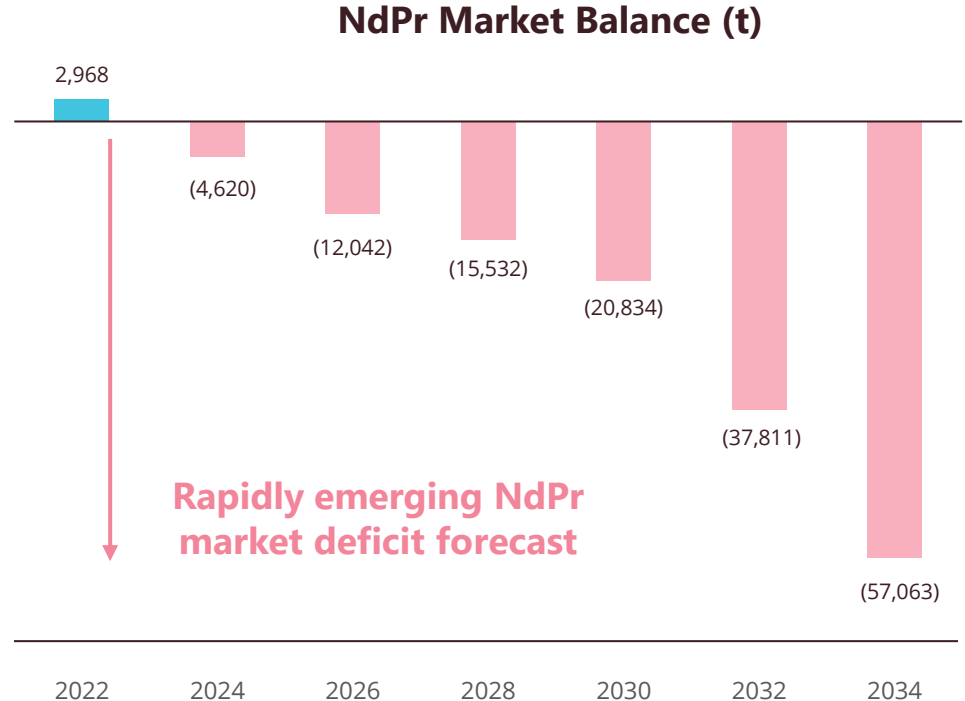
Growing NdPr Rare Earth Supply Deficit

Analysts expect significant NdPr supply deficits as demand grows

Demand underpinned by growth from EVs, wind power and consumer electronics

NdPr = Two of the critical rare earth elements Neodymium (Nd) and Praseodymium (Pr), which are used to make permanent magnets in electric vehicles, electricity generators (wind turbines) and consumer electronics. They represent the major value and revenue sources from Rare Earth Element production.

Source: Adamas Intelligence, June 2022



New Australian Supply Needed

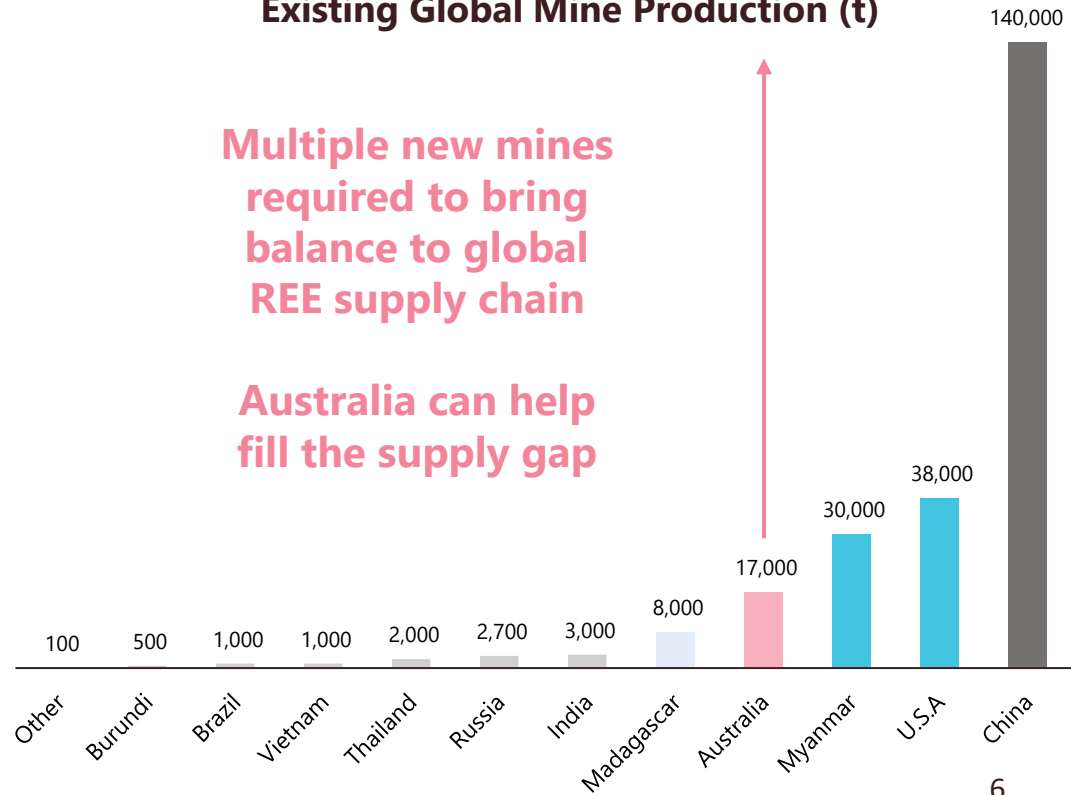
Mine concentration is a significant risk to the global supply chain

Diversity of supply now a priority for governments and corporations with Australia well placed to provide additional capacity

Existing Global Mine Production (t)

Multiple new mines required to bring balance to global REE supply chain

Australia can help fill the supply gap



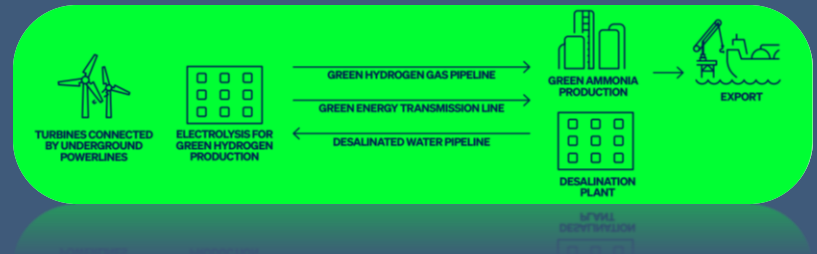
Low Carbon Rare Earth Production Potential

The urgency to lower global emissions is driving a rapid ramp up in demand for green energy globally

Esperance earmarked as a potential location for a major renewable energy and hydrogen hub

**Using wind, solar + green hydrogen
= Potential Green Rare Earth**

Fortescue Future Industries assessing South East Western Australia (Esperance Region) as a priority location for development of a green hydrogen hub¹



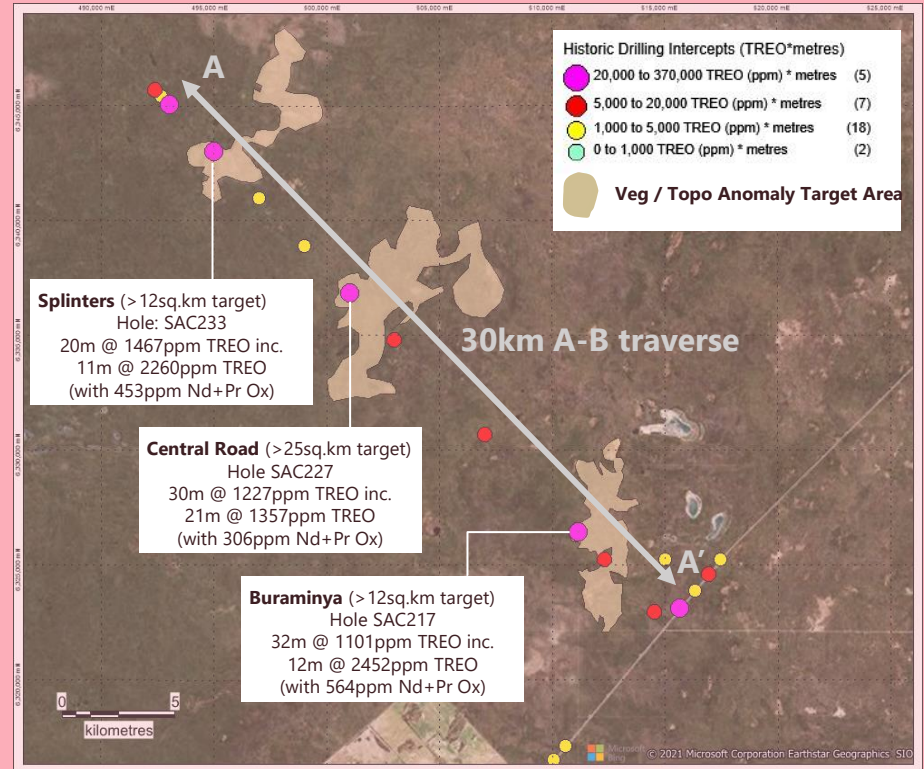
Six granted exploration licenses spanning 2,700km²

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

The target area at Splinter Rock covers over 30 x 60km, **making this one of the largest known clay REE target areas in Australia**

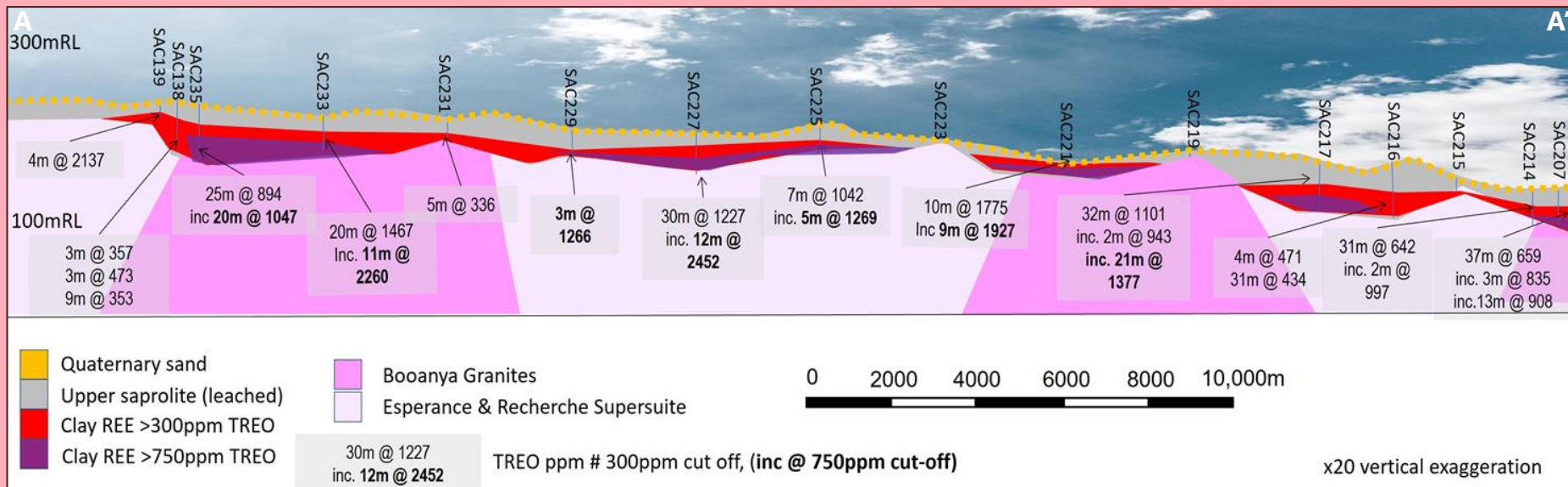
TREO (Total Rare Earth Oxide) = $\text{La}_2\text{O}_3 + \text{CeO}_2 + \text{Pr}_6\text{O}_{11} + \text{Nd}_2\text{O}_3 + \text{Sm}_2\text{O}_3 + \text{Eu}_2\text{O}_3 + \text{Gd}_2\text{O}_3 + \text{Tb}_4\text{O}_7 + \text{Dy}_2\text{O}_3 + \text{Ho}_2\text{O}_3 + \text{Er}_2\text{O}_3 + \text{Tm}_2\text{O}_3 + \text{Yb}_2\text{O}_3 + \text{Lu}_2\text{O}_3 + \text{Y}_2\text{O}_3$

Refer to Independent Geological Report in the Company Prospectus for further information, (ASX announcement "Prospectus" 20 June 2022).



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

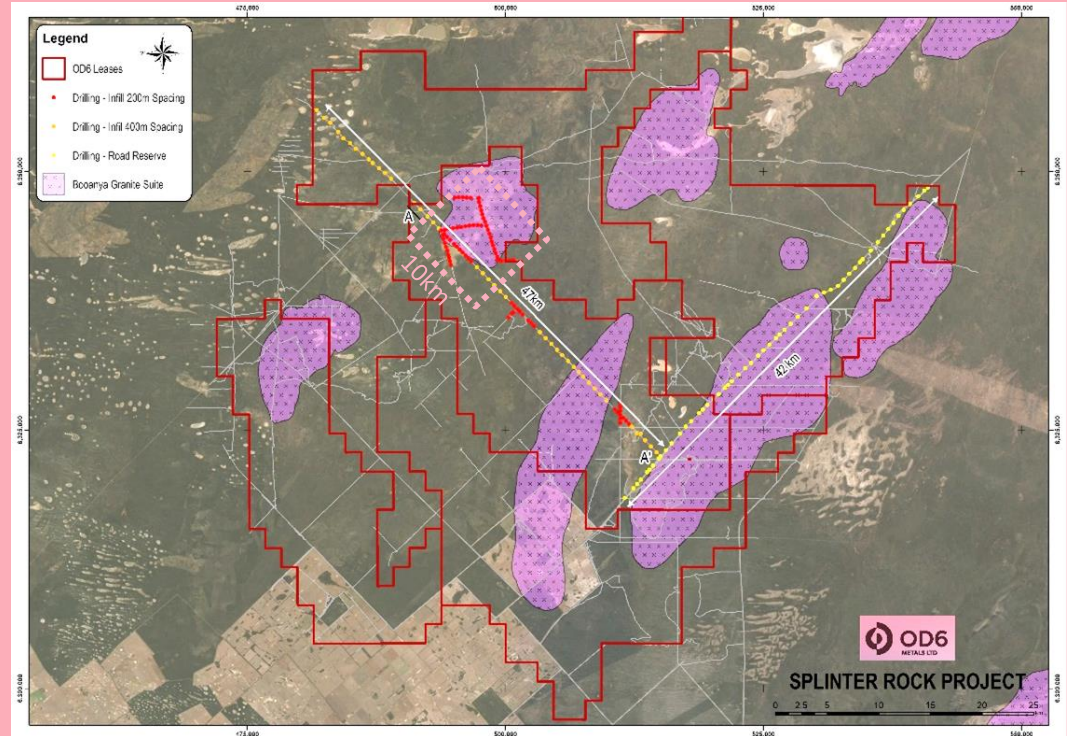
NdPr oxides make up over 20% of the total TREO basket in higher grade zones



The clay rare earth mineral enrichment is considered to be formed from weathering of the granites in the area

Initial 192-hole AC drilling program commenced

Completion expected by October 2022 with **assay results to be progressively received through Q4 2022**



Airborne Electromagnetics – Clay Mapping

Airborne geophysics survey
across Splinter Rock and
Grass Patch planned for
October 2022

**Aiming to identify and map
clay locations, expanse,
depth and thickness across
all granted OD6 Tenements**

Analysis of data to be
completed during Q4 2022



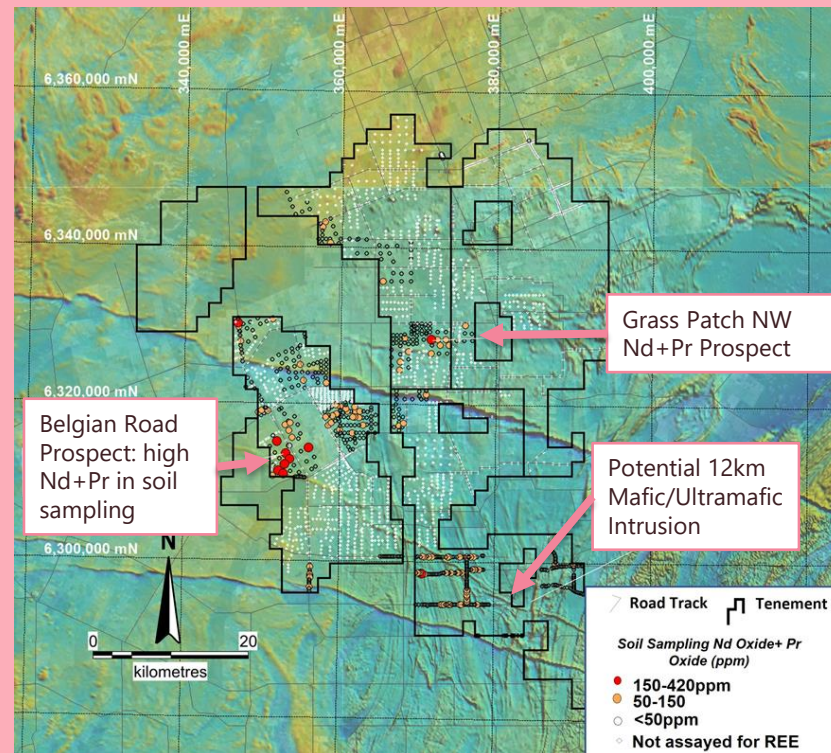


Four granted exploration licenses and two applications spanning over 2,250km²

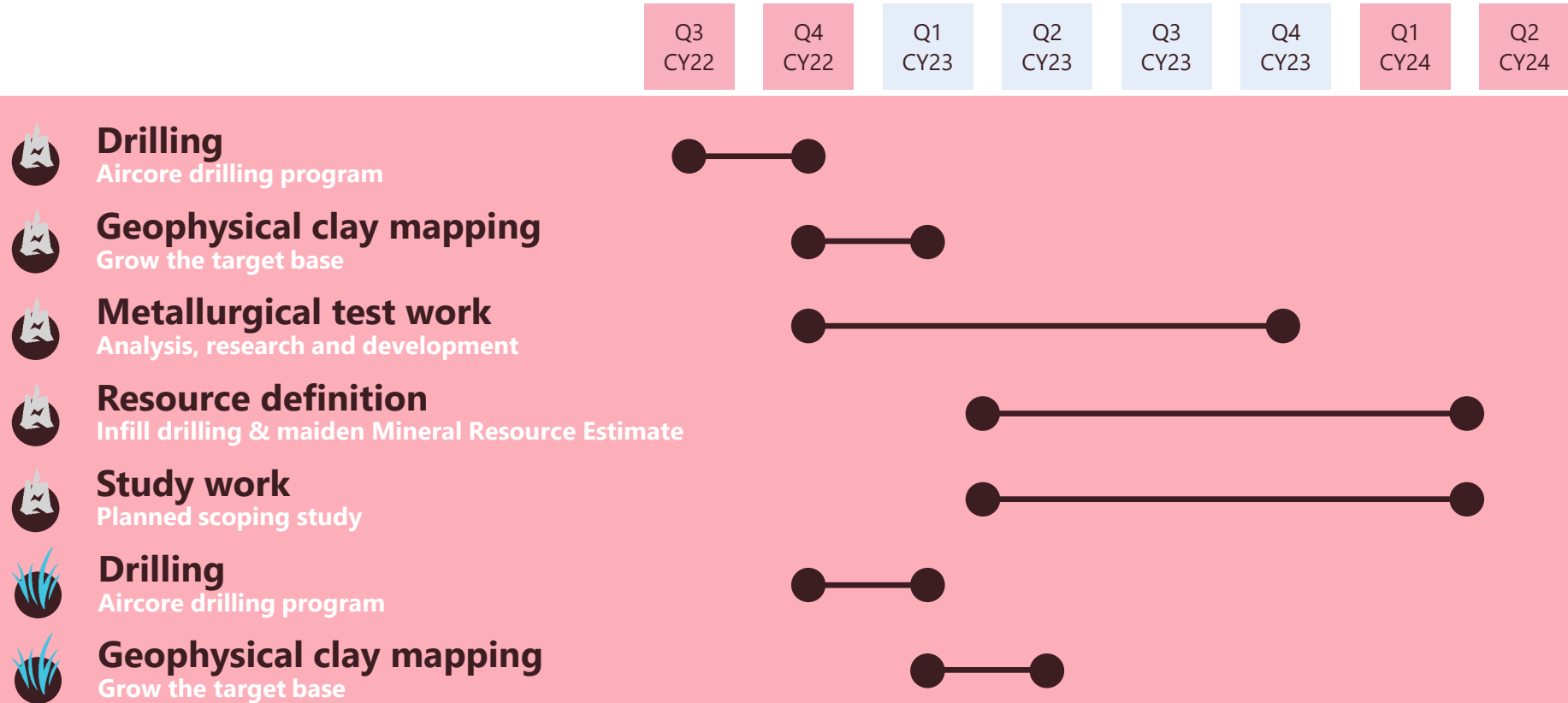
Soil geochemistry and water bore anomalies indicate high level of prospectivity for REE

Three key exploration priority areas identified by OD6 Metals

Refer to Independent Geological Report in the Company Prospectus for further information (ASX announcement "Prospectus" 20 June 2022).



Planned Work Program



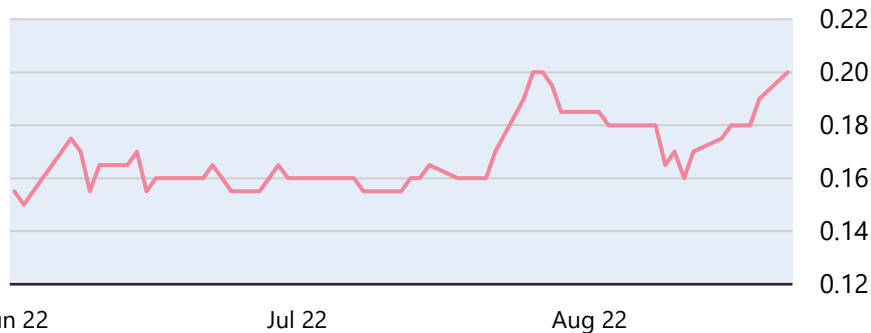
Corporate Snapshot

Capital Structure

ASX: OD6

Price per share ¹	A\$0.20
Total number of shares on issue ²	102.45M
Performance rights and options ²	32.70M
Market capitalisation (undiluted) ¹	A\$20.49M
Cash ²	A\$8.36M
Debt ²	A\$0.00M
Enterprise value ¹	A\$12.13M

Share Price History



1. At 12 September 2022, 2. At 30 June 2022



Dr Darren Holden
NON-EXECUTIVE CHAIR



Mr Brett Hazelden
MANAGING DIRECTOR

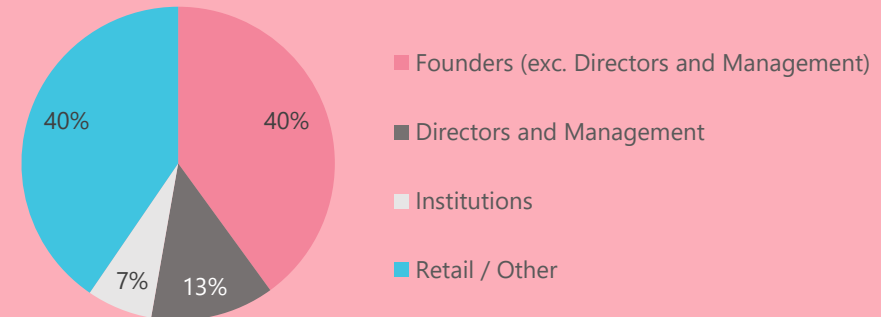


Mr Piers Lewis
NON-EXECUTIVE DIRECTOR



Dr Mitch Loan
NON-EXECUTIVE DIRECTOR

Register Detail



- ✓ Explosion in demand for critical rare earth minerals
- ✓ Drilling commenced to confirm thick, near surface, high grade rare earth clay mineralisation
- ✓ Airborne geophysics aiming to map clay locations, expanse, depth and thickness across all granted OD6 Tenements
- ✓ Strong potential for globally-significant REE resource definition across a 30 x 60km target area
- ✓ Close proximity to Esperance port, town and roads
- ✓ Low carbon "Green Rare Earth" potential



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