

27 NOVEMBER 2024

OD6 AGM

Australian Copper & Rare Earths Essential for Energy Transition

ASX:OD6

IMPORTANT INFORMATION

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No New Information

The information in this report relating to the Mineral Resource estimate for the Splinter Rock Project is extracted from the Company's ASX announcement dated 29 May 2024. OD6 confirms that it is not aware of any new information or data that materially affects the information included in the original announcement and that all material assumptions and technical parameters underpinning the Mineral Resource estimate continue to apply.

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.

Forward Looking Statements

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:

- may include, among other things, statements regarding incomplete and uncertain proposals or targets, production and prices, operating costs and results, capital expenditures, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions;
- 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.

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Cautionary Statement

In relation to photographs of mine-spoil material, from Gulf Creek no representation as to the composition of the rocks is presented here. Laboratory assay results are required to determine the grade of mineralisation and the Company will update the market when check sampling and assay results are received and compiled. The Competent Person advises that the photographs contained in this Presentation are not necessarily representative of the geology exploited by historic mines at Gulf Creek and are not to be construed as being representative of potentially economic mineralisation.





Gulf Creek Copper Acquisition

History repeating

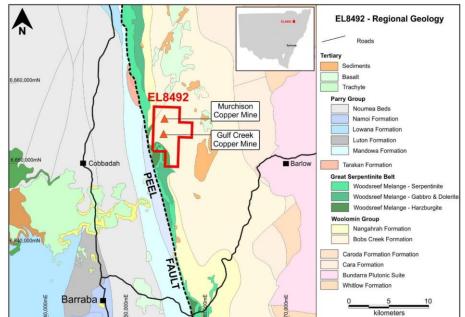
Is one of Australia's highest grade copper mines set for a 21st century revival?



Key Acquisition Points

Strong near-term catalysts on a historic, underexplored high-grade VMS copper system

- High Grade Copper Zinc VMS style deposit
- Mined over 100 years ago (1896-1912) with
 +100m vertical and +300m strike
- Underexplored with limited modern exploration completed only 2 holes ever drilled back in the 1960's, and virtually untouched since then
- Mineralisation associated with **magnetite** which shows repeat structures to the north and west
- Potential of >3km of untested strike in immediate mine-stratigraphy, >10km across the tenement
- Favourable deal metrics and structure
- Strong near-term catalysts with a **fully permitted drill program** commencing imminently



Located in the New England Orogen Region in NSW, Australia

Peters, J. (2023); & NSW Geological Survey "Seamless Geology"



COPPER MACRO¹ – ECONOMIES AND ELECTRIFICATION

Strong Demand-Supply Fundamentals Driving Strong Run for Copper

Copper Demand

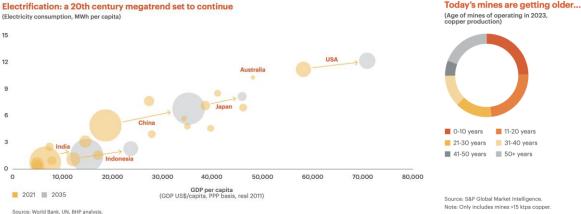
- In modern times, copper has been driven by demand for electricity with global CAGR of 3% over the last 75 yrs
- As economies with large populations (eg. China, India) modernise, copper demand grows
- New age technologies (eg. electric vehicles, data centres) require large volumes of copper

Copper Supply

11-20 years

31-40 years

- The world's currently producing mines can only supply ~50% of the demand over the next decade
- Current mines face depleted grades
- Copper exploration is not delivering substantial new deposits



...and lower grade



Source: S&P Global Market Intelligence (1991-1999). Wood Mackenzie (2000-2030).

Source: World Bank, UN, BHP analysis. Note: Bubble size represents population size

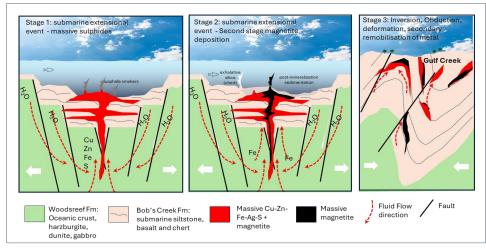
1. BHP Insights – How copper will shape the future September 2024

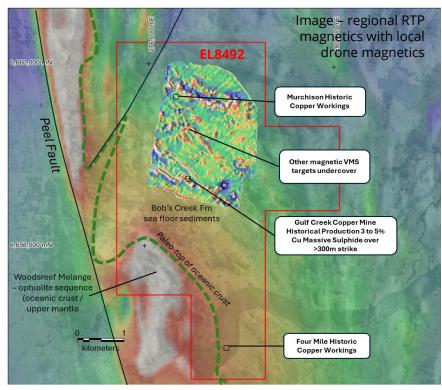


Gulf Creek – Regional Setting for Classic VMS

VMS systems are known to have multiple, high grade repeat structures

- Classic setting for Besshi Style Volcanogenic Massive Sulphide Deposit (VMS)¹
- Silurian-Devonian age geologically comparable to Woodlawn Deposit (>20Mt @ 1.6% Cu, 9.1% Zn endowment)² owned by Develop Global Ltd





- 1. Association with magnetite occurring in VMS refer: Yildirim, Y et al. (2016), Watanabe et al, (1993)
- 2. Total endowment past production and resources compiled from https://portergeo.com.au/database/mineinfo.asp?mineid=mn295

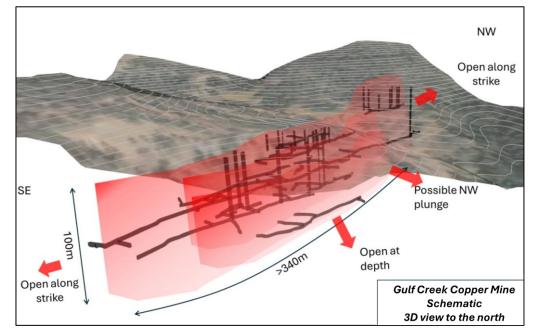


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High Grade Copper Production History

Virtually untouched since 1912 with significant potential for untested extensional repeat lodes¹

- At Gulf Creek the copper occurs within three parallel sulphide lenses
 - Cornish Lode averaged 6 6.5% Cu
 - Middle Lode averaged 3 3.5% Cu
 - Big Lode averaged **2 2.5% Cu**
- Mine samples show visible mineralisation in the areas surrounding the main lodes
- Zinc assays show similar copper values
- No drilling has occurred based on modern day exploration techniques



As disclosed in publications by the Geological Survey of New South Wales such as: Brown, R. (1987); Brown, R.E. *et al,* (1992) NSW Geol. Survey (1901, 1904-1982); Historic workings reconstructed from plans and sections digitised from NSW Geol Survey, 1901, 1904-1982, Assorted historic plans and maps.





Gulf Creek – Two High Grade Mineralization Styles

Multiple mineralization styles – shows a long-lived system

Massive Sulphide

1cm 1cm Chalcopyrite Pyrite (pale yellow metallic (brassy metallic mineral) sulphide) Magnetite (black mineral) Magnet suspended from magnetic rock sample from Gulf Creek. Refer also Chalcopyrite slide 2 on cautionary (brassy metallic statement. sulphide) Sphalerite (pale brown to straw coloured sulphide) Up to 6.5% Cu, 2.1% Zn, 441ppm Co, 1.66g/t Ag

Massive Magnetite-Sulphide

1. Refer ASX announcement 6/11/2024 – High Grade Copper Assays Confirms Potential at Gulf Creek



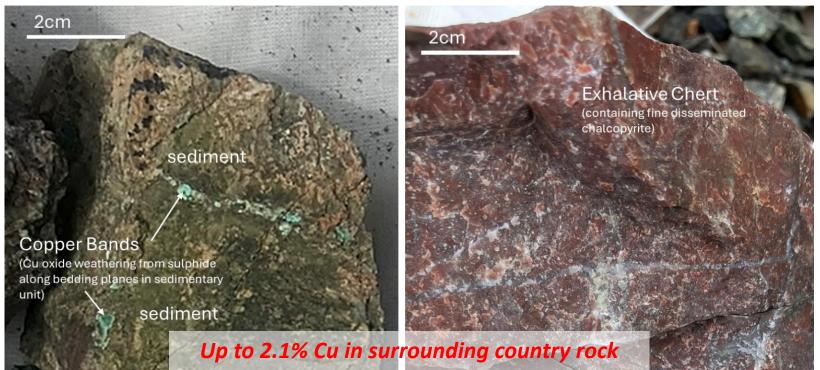
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Gulf Creek – Country rock has mineralization too

Mineralised halo surrounding high-grade VMS lodes provides significant bulk tonnage potential

Sediments with copper veins

VMS Exhalative Chert

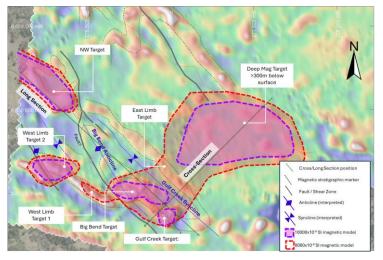


1. Refer ASX announcement 6/11/2024 – High Grade Copper AssaysConfirms Potential at Gulf Creek

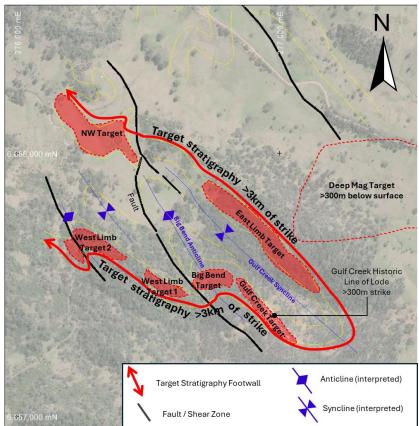
Gulf Creek – Geophysics Highlights Extension Potential

Repeat blind structures identified

- Extended magnetic survey indicates a series of NW plunging folds providing >3km of local strike length of target magnetite-VMS target horizon within the Gulf Creek Syncline
- Geophysical modelling has identified multiple, high priority, untested targets



. Refer ASX release 14/11/2024 – New Potential High-grade VMS Copper Targets at Gulf Creek



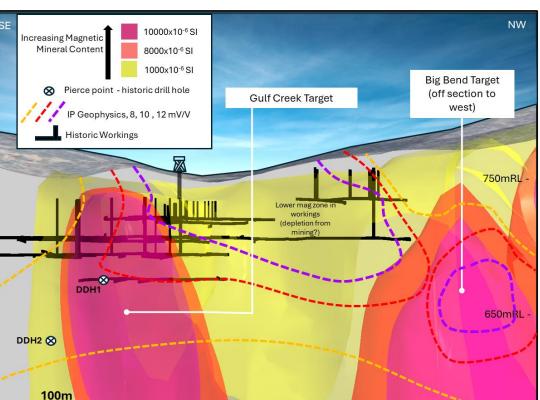
OD6 METALS | AUSTRALIAN CRITICAL MINERALS



The Big Bend Target – Magnetics & IP Chargeability

Providing early and future targeting

- 3D Inversion Modelling strong relationship with massive magnetitesulphide mineralization
- Big Bend Target:
 - Very strong magnetism comparable of massive magnetite-sulphide
 - $_{\circ}~$ Anticlinal position classic VMS
 - **Strong IP** Chargeability (sulphide indicator)
 - Modelled from 50 to >550m
 - **No sampling ever** surface, underground or drilling



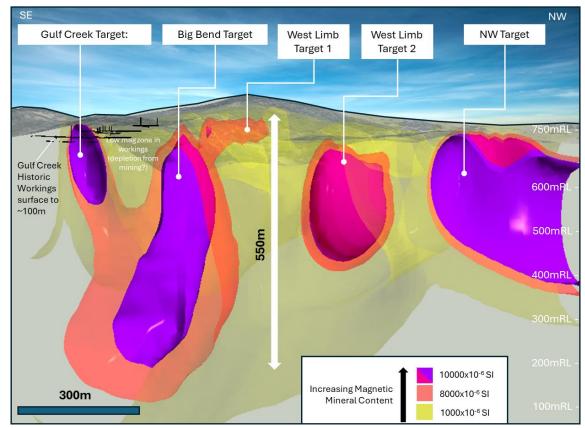
1. Refer ASX release 14/11/2024 – New Potential Highgrade VMS Copper Targets at Gulf Creek Long section¹ view NE of historical workings showing I.P Survey chargeability anomalies (drill targets)



Gulf Creek to West Limb to NorthWest

Extensional Magnetic Targets

- West Limb Targets strong magnetism in similar fold structures
- Northwest Target
 - **Strongest** magnetic target in region
 - \circ 400x100m footprint open to NW
 - Modelling extends from nearsurface to > 400m
 - In a small topographic low no outcrop (missed by the old-timers)



1. Refer ASX release 14/11/2024 – New Potential Highgrade VMS Copper Targets at Gulf Creek Long section¹ zoomed out



Gulf Creek to the Deep East

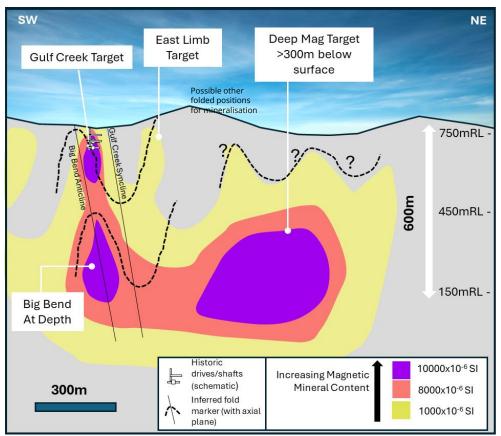
Extensional Magnetic Targets

• East Limb:

 Weaker magnetics but the same structural position as Gulf Creek

Eastern Deeps

- Strongest magnetic target in region
- Largest foot-print 650 x 400m
- Modelling extends from 300m below surface to depth
- Deep dream-shot target



Cross section¹ zoomed out

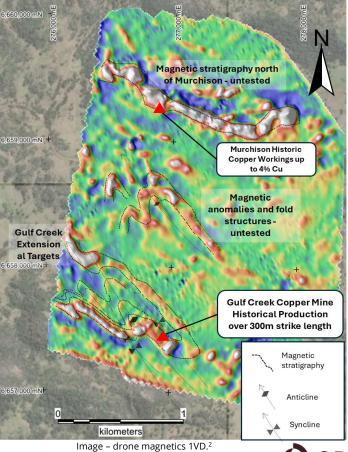


1. Refer ASX release 14/11/2024 – New Potential Highgrade VMS Copper Targets at Gulf Creek

Regional Extensional Exploration Upside

Multiple untested comparable drill targets

- Historic Murchison Mine to the north also associated with magnetic stratigraphy and reports of >4% Cu¹
- Other significant folded magnetic stratigraphy completely untested with potentially over >10km of magnetic VMS target horizon stratigraphy
- This remarkable project has had no modern concerted regional soil geochemistry, electromagnetics and drilling
- Tenement renewed until December 2029

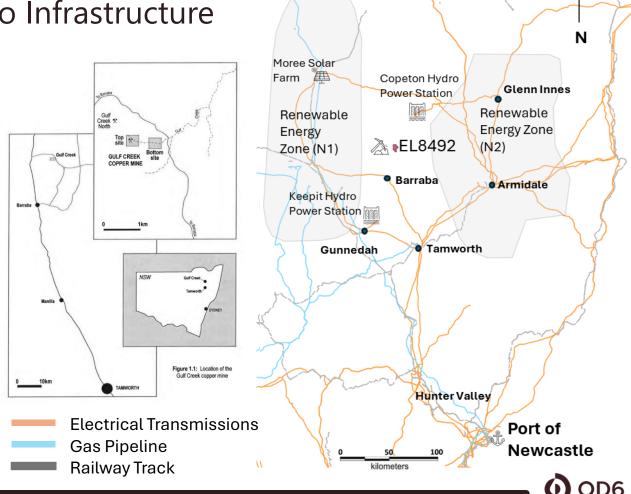


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Excellent Proximity to Infrastructure

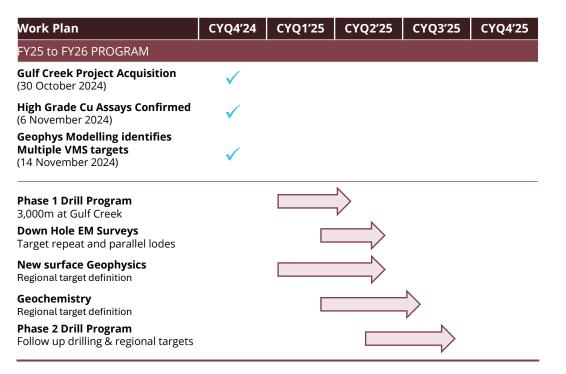
Supporting Project Development

- Tier 1 Location
- Ideally located ~400km by road to the Port of Newcastle.
- Situated between two NSW renewable energy zones (REZ) with existing solar and hydro power infrastructure within close proximity.
- 83km from the nearest gas pipeline and rail lines.



Permitted Phase 1 Exploration Program

OD6 set to "hit the ground running" with strong near term catalysts



- Reprocessing and reinterpretation of IP and Drone EM with latest modeling techniques Completed
- All flora, fauna land access and native title permits in place to commence exploration activities immediately
- Up to an initial 3,000m diamond drill program is planned, permitted and drill-ready at Gulf Creek
- ✓ Downhole EM to find repeat and parallel lodes
- ✓ New drone EM survey across the whole tenement
- Phase 2 exploration program drilling to follow up Phase 1 drilling at Gulf Creek and test regional targets



INVESTMENT HIGHLIGHTS

Gulf Creek has boundless potential to host a significant, high-grade Cu-Zn system & is open for business



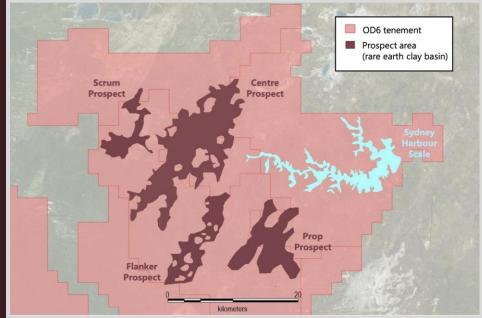


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Splinter Rock Rare Earth Minerals

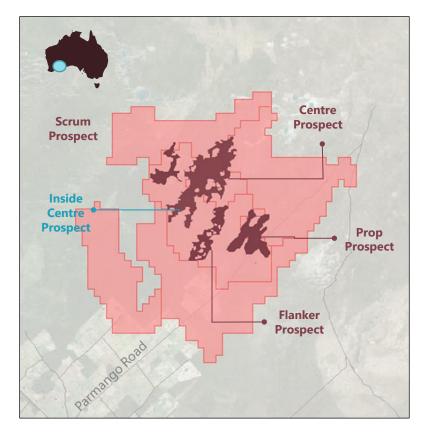
An advanced rare earths project of grade and scale with favourable metallurgical qualities



MRE of 682Mt @ 1,338ppm TREO - Refer slide 26

Globally Significant Clay Hosted Rare Earth Project

Gulf Creek Acquisition to Compliment the Splinter Rock Project whilst Rare Earth Prices Recover



Splinter Rock Highlights

- Located in one of the world's great mining jurisdictions proximate to key infrastructure
- 682Mt at 1,338 ppm TREO (at a 1,000ppm cut-off grade) for 910 kt contained TREO ¹
- High-value MagREO represents an average of ~23% of TREO grade for 205 kt contained MagREO
- The MRE positions Splinter Rock as the **largest & highest grade** Australian clay-hosted Rare Earth Deposit
- Inside Centre Prospect 119Mt at 1,632ppm TREO (Indicated)
- Recent Heap Leach Recoveries of up to 80% at Inside Centre²
- Heap Leach has the potential to remove several expensive processing steps, which would reduce capital and operating costs significantly
- Located away from farmland with no private royalties

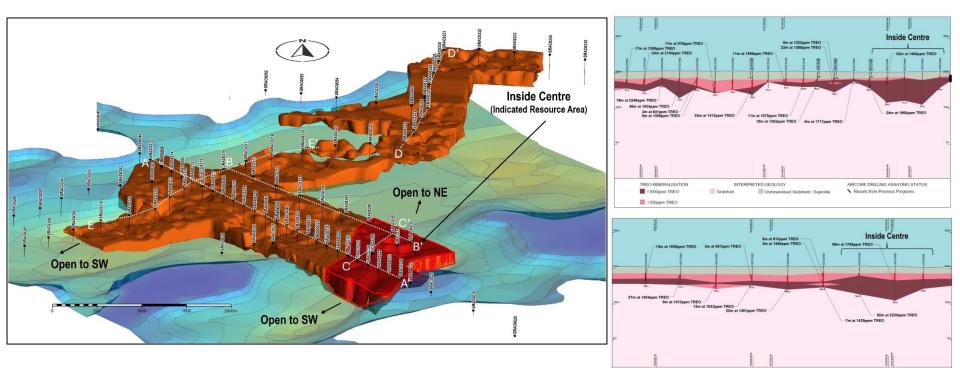
1. Refer to Slide 26 for Resource Estimate Breakdown

2. Recoveries only reflect initial rare earth leaching, with further losses expected in precipitation, impurity removal, purification and drying



INSIDE CENTRE - A HIGH GRADE STAND OUT

INDICATED MRE OF 119Mt at 1,632ppm TREO (at 1,000ppm TREO cutoff grade)



TREO MINERALISATION

>1000ppm TREO

>300ppm TREO

INTERPRETED GEOLOGY

Unmineralised Sediment / Saprolite

Granitoid

Inside Centre to be the main focus of future works

Refer to ASX Release 29 May 2024 – Mineral Resource Estimate Doubles at Splinter Rock.

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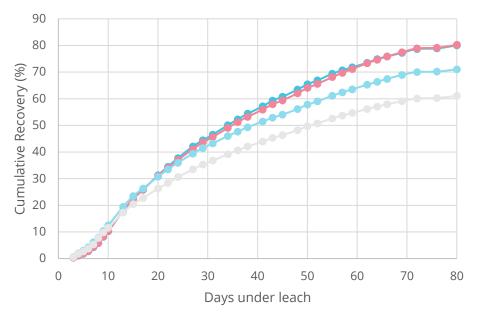


AIRCORE DRILLING ASSAYING STATUS

Results from Previous Programs

OUTSTANDING METALLURGICAL RESULTS RARE EARTHS RECOVERED WITH SIMPLE LEACHING

- Very high metallurgical recoveries achieved using simple acidic heap leach at Inside Centre
- **79% Magnetic Rare Earth Elements recovery** achieved at 25g/l HCl
- Average 37 kg HCl/t ore consumption
- Neodymium (Nd), Praseodymium (Pr), Terbium (Tb) and Dysprosium (Dy) have very high recoveries
- The simpler Heap Leach process has the potential to remove several capital intensive processing steps, which would simplify the flowsheet and reduce capital and operating costs
- Phase 4 test work with ANSTO ongoing



-Pr ---- Nd ---- Tb ---- Dy

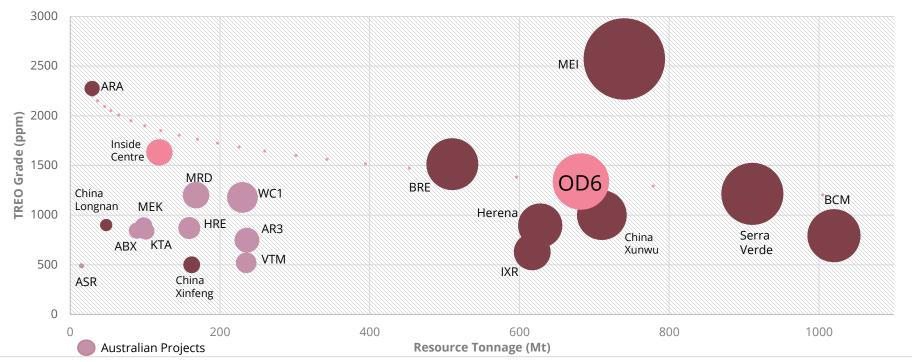
Recoveries only reflect initial rare earth leaching, with further losses expected in precipitation, impurity removal, purification and drying. See OD6 ASX announcements dated 16 October 2024

THE PREMIER AUSTRALIAN CLAY-HOSTED REE PROJECT

UPGRADED RESOURCE OF 682MT @ 1,338PPM TREO (at 1,000ppm TREO cutoff grade)

Rare earth element deposits

(bubble size reflects contained TREO)



Refer to 'Peer calculation and reference details'

Source: Adapted from Euroz Hartleys Research Report, Company Reports, Phillip Hellman, Sharemarket Market Capitalisation



WELL PLACED AS AN EARLY DEVELOPMENT OPPORTUNITY

OD6 keeping the engine warm for the next rare-earths run

- Market conditions currently difficult for REE plays
- Splinter Rock is a tier-1 clay-hosted rare earths deposit ready for the next REE bull market
- OD6 remain committed to critical minerals associated with the global energy transition
- The acquisition of the Gulf Creek Copper Project is indicative of OD6's pragmatic approach to building shareholder value via M&A and diversification





CORPORATE SNAPSHOT

HIGH CALIBRE LEADERSHIP TEAM AND TIGHT CAPITAL STRUCTURE

Capital Structure	ASX: OD6
Price per share ¹	A\$0.035
Total number of shares on issue ^{1,3}	128.69M
Performance rights and options ¹	41.55M
Market capitalisation (undiluted) ¹	A\$4.5M
Cash ²	A\$1.85M
Debt ²	Nil
Enterprise value	A\$2.6M



Wayne **Bramwell** NON-EXECUTIVE CHAIR



Dr Darren

Holden

NON-EXECUTIVE

DIRECTOR &



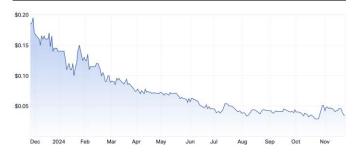


Mr Piers Lewis NON-EXECUTIVE DIRECTOR Geological Advisor

Dr Mitch Loan NON-EXECUTIVE DIRECTOR

Share Price History

A\$/share

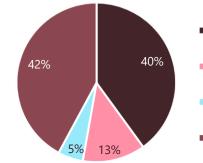


1. As at 14 November 2024

2. As at 30 September 2024. Refer to ASX announcement "Quarterly Activities and Cashflow Report"

3. An additional 6 M shares to be issued to Mr Downes as per ASX Gulf Creek acquisition announcement 30-10-2024





Mr Brett

Hazelden

MANAGING

DIRECTOR

- Founders (exc. Directors and Management)
- Directors and Management
- Institutions
- Retail / Other



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CONTACT US

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LUCAS ROBINSON

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SPLINTER ROCK MINERAL RESOURCE ESTIMATE

AT 1,000ppm CUTOFF GRADE



Prospect	Category	Tonnes (Mt)	TREO (ppm)	Pr ₆ O ₁₁ (ppm)	Nd ₂ O ₃ (ppm)	Tb ₄ O ₇ (ppm)	Dy ₂ O ₃ (ppm)	MagREO (ppm)	MagREO (% of TREO)
Inside Centre	Indicated	119	1,632	79	271	2	12	366	22.4%
Centre	Inferred	276	1,342	65	228	3	15	310	23.1%
Centre NW	Inferred	21	1,255	65	227	3	14	309	24.6%
Scrum	Inferred	126	1,228	58	210	3	15	285	23.2%
Prop	Inferred	94	1,160	53	190	2	13	259	22.3%
Flanker	Inferred	45	1,250	59	212	3	16	290	23.2%
Total	1+1	682	1,338	64	226	3	14	307	22.9%

TREO (Total Rare Earth Oxide) = La2O3 + CeO2 + Pr6O11 + Nd2O3 + Sm2O3 + Eu2O3 + Gd2O3 + Tb4O7 + Dy2O3 + Ho2O3 + Er2O3 + Tm2O3 + Yb2O3 + Lu2O3 + Y2O3

MagREO (Magnet Rare Earth Oxide) = Nd2O3 + Pr6O11 + Tb4O7 + Dy2O3

% Magnet REO = (MagREO / TREO)*100

For full Mineral Resource estimate details refer to OD6 ASX announcement 29 May 2024, "Mineral Resource Estimate Doubles". OD6 is not aware of any new information or data that materially affects the Mineral Resource estimate included in that release. All material assumptions and technical parameters underpinning the Mineral Resource estimate in that release continue to apply and have not materially changed.

PEER CALCULATIONS AND REFERENCE DETAILS

Company	ASX code	Measured: Indicated: Inferred Ratio (Mt)	Market capitalisation (A\$)	Net cash (A\$)	Enterprise value (A\$)	Reference
OD6 Metals	OD6	0 : 119 : 563	A\$ 4.5M	A\$ 1.85M	A\$ 2.6M	Massive Mineral Resource Estimate Increase at Splinter Rock Rare Earth Project, 29 May 2024 Quarterly Activities/Appendix 5B Cash Flow Report, 23 October 2024 Research and Development Tax Offset Funds Received, 11 November 2024
Meteoric Resources	MEI	11 : 298 : 431	A\$ 225M	A\$ 36M	A\$ 189M	High-grade Figueira resource improves financial metrics of the Caldeira Scoping Study, 22 October 2024 Quarterly Activities/Appendix 5B Cash Flow Report, 30 October 2024
Victory Metals	νтм	0 : 149 : 86	A\$ 41M	A\$ 4M	A\$ 37M	LARGEST AUSTRALIAN INDICATED HEAVY REE RESOURCE CONFIRMED, 16 July 2024 Quarterly Activities/Appendix 5B Cash Flow Report, 15 October 2024
Mount Ridley Mines	MRD	0:0:168	A\$ 8M	A\$ 1M	A\$ 7M	Maiden Inferred Mineral Resource Estimate for the Mia Prospect of 168Mt at 1,201ppm TREO, 22 May 2024 Quarterly Activities/Appendix 5B Cash Flow Report, 31 October 2024
West Cobar Metals	WC1	0 : 44 : 186	A\$ 2.5M	A\$ 0.5M	A\$ 2M	MAJOR RESOURCE EXPANSIONS AT SALAZAR FOR REEs, TiO2 AND SCANDIUM, 08 October 2024 Quarterly Activities/Appendix 5B Cash Flow Report, 31 October 2024
Krakatoa Resources	КТА	0:40:61	A\$ 4.5M	A\$ 1M	A\$ 3.5M	KTA Delivers Maiden Rare Earth Mineral Resource, 21 November 2022 Quarterly Activities/Appendix 5B Cash Flow Report, 23 October 2024
Australian Rare Earths	AR3	1 : 112 : 123	A\$ 17M	A\$ 6M	A\$ 11M	Significant Resource Expansion at Koppamurra, 30 September 2024 Quarterly Activities/Appendix 5B Cash Flow Report, 11 October 2024
Meeka Metals	МЕК	0 : 0 : 98	A\$ 169M	A\$ 63M	A\$ 106M	High-Grade Rare Earth MRE at Circle Valley, 14 June 2023 Strongly Supported Institutional Placement, 04 November 2024
ABX Group	ABX	6 : 42 : 41	A\$ 10M	A\$ 4M*	A\$ 6M	ABx Rare Earth Resources Increase 70% to 89 Mt, 02 May 2024 Quarterly Activities/Appendix 5B Cash Flow Report, 31 October 2024 *Includes A\$3.5M held in trust
Heavy Rare Earths	HRE	0:0:159	A\$ 3M	A\$ 0.5M	A\$ 2.5M	Five fold increase in Mineral Resources to 159Mt @ 870ppm TREO at Cowalinya project in WA, 3 October 2023 HRE September 2024 Quarterly Activities Report & Appendix 5B, 31 October 2024.
Viridis Mining and Metals	νмм	0 : 62 : 139	A\$ 29M	A\$ 1M	A\$ 28M	Cupim South Drilling Paves Way for Major Resource Upgrade, 30 October 2024 Quarterly Activities/Appendix 5B Cash Flow Report, 31 October 2024
Asra Minerals	ASR	0:8:7	A\$ 7M	A\$ 0.5M	A\$ 6.5M	ASRA DECLARES MAIDEN MRE FOR YTTRIA REE DEPOSIT, 16 April 2024. Quarterly Activities and Cash flow Report, 30 October 2024
Brazilian Rare Earths	BRE	0:0:510	A\$ 609M	A\$ 89M	A\$ 520M	Annual Report to Shareholders, 27 March 2024 September 2024 Quarterly Report and Appendix 5B, 28 October 2024
Brazilian Critical Minerals	всм	0:0:1,017	A\$ 10M	A\$ 1M	A\$9M	MASSIVE MAIDEN MINERAL RESOURCE ESTIMATE > 1B TONNES FOR EMA RARE EARTH PROJECT, 22 April 2024 Quarterly Appendix 5B Cash Flow Report, 30 October 2024

