



# OD6 Metals Australian Clay-Hosted Rare Earths

Splinter Rock Rare Earth Project Leveraging the Rising Tide for REE's

Gulf Creek Drilling Exploring Historic High-Grade Copper in Massive Sulphides

15 December 2025 | End of 2025 Investor Update

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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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**).

## 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.

# INVESTMENT HIGHLIGHTS

Two Australian Critical Minerals Projects Presents Significant Share Price Upside

- **Strong Rare Earth and Copper Demand Fundamentals**

- **Splinter Rock Rare Earths Project<sup>1</sup>**

- 682Mt at 1,338 ppm TREO JORC Resource
- Outstanding Metallurgical Results to Lower CAPEX
- Premium MREC and MREH with High Payability
- Offtake Engagement - America, Europe & Asia
- Positive Study Outcomes - ANSTO and CPC
- Accelerated Scale up Testing at ANSTO

- **Gulf Creek Copper Project<sup>2</sup>**

- Copper up to 4.6% Confirmed in Initail Drilling
- High Grade Production History (Up to 12% Cu)
- Testing Multiple High Priority Targets
- Down Hole EM underway Post Recent Drilling



1. Refer to [ASX Announcement High Quality MREC produced](#)

2. Refer to [ASX Announcement High Grade Copper Massive Sulphides](#)

# CORPORATE SNAPSHOT

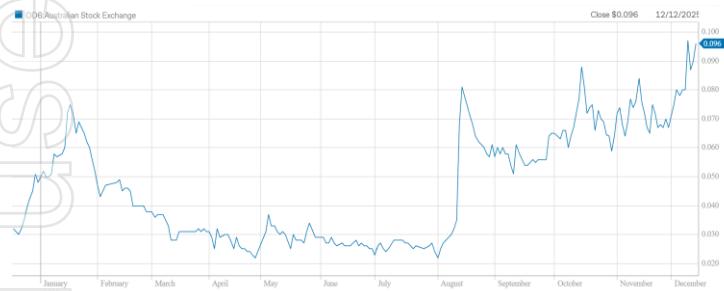
High Calibre Leadership Team and Tight Capital Structure

## Capital Structure

	ASX: OD6
Price per share <sup>1</sup>	A\$0.096
Total number of shares on issue <sup>1</sup>	198.93M
Performance rights and options <sup>2</sup>	75.02M
Market capitalisation (undiluted) <sup>1</sup>	A\$19.1M
Cash <sup>2</sup>	A\$3.0M
Debt <sup>2</sup>	Nil
Enterprise value	A\$16.1M

## Share Price 12 Month History

A\$/share



1. As at 12 December 2025

2. Cash balance as at 1 October 2025



**Mr Brett Hazelden**

MANAGING DIRECTOR



**Mr Piers Lewis**

NON-EXECUTIVE CHAIRMAN



**Dr Mitch Loan**

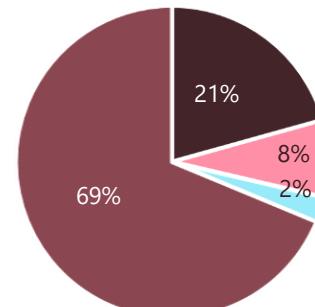
NON-EXECUTIVE DIRECTOR



**Dr Darren Holden**

Geological Advisor

## Register Detail & Research



**East Coast RESEARCH**

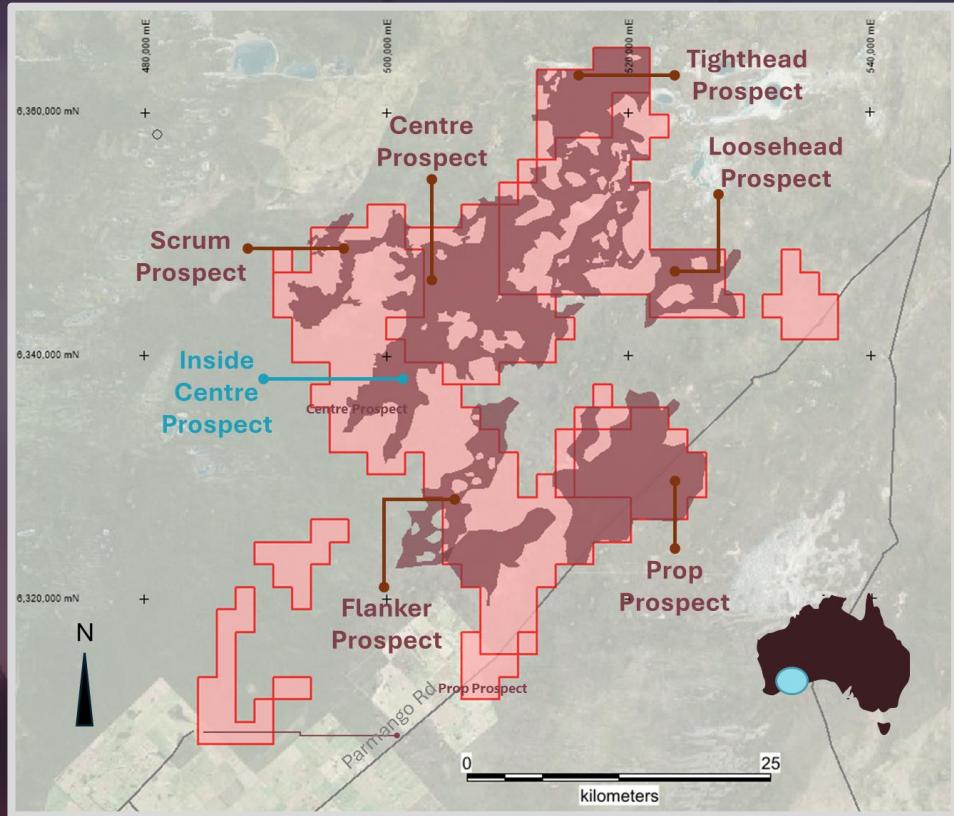
- Founders
- Directors and Management
- Family Offices and Institutions
- Retail / Other



Valuse Only

# Splinter Rock Rare Earth

ASX:OD6



Tenements

REE Clay Basins

# SPLINTER ROCK REE PROJECT HIGHLIGHTS

A 100% Owned Australian Critical Minerals Project

- Strong Rare Earth Demand Fundamentals
- 682Mt at 1,338 ppm TREO JORC Resource
- ~75% Nd & Pr Overall Recovery
- High-quality Mixed Rare Earth Carbonate (MREC) of ~56% TREO
- High-quality Mixed Rare Earth Hydroxide (MREH) of ~59% TREO
- Superior product quality with low levels of impurities (Al, Fe, P, Si)
- Extremely low uranium and thorium content (<0.001% U + Th)
- Optimised capital and operating cost drivers
- Offtake Engagement – North America, Europe & Asia
- Positive Study Outcomes - ANSTO and CPC
- Accelerated Scale up Testing at ANSTO - 2.5t Metallurgical Core



1. Refer to [ASX Announcement Mineral Resource Estimate Doubles](#)
2. Refer to [ASX Announcement IX Improves Processing Flowsheet](#)
3. Refer to [ASX Announcement High Quality MREC produced](#)

# CRITICAL MAGNET RARE EARTH ELEMENTS

Four Critical, High Value Metals, Which Captures 90% of the MREC Product Value



Light rare earth elements



Heavy rare earth elements



- Electric vehicles
- Wind turbines

- Electric vehicles
- Wind turbines
- Semiconductors

- Electric vehicles
- Wind turbines
- Nuclear reactors
- Semiconductors
- Xray's
- High temp fuel cells
- Electric vehicles
- Wind turbines
- Semiconductors

hydrogen	1	H																																	
lithium	3	beryllium	4																																
Li	Be																																		
sodium	11	magnesium	12																																
Na	Mg																																		
potassium	19	calcium	20	scandium	21	stannum	22	vanadium	23	chromium	24	manganese	25	iron	26	cobalt	27	nickel	28	copper	29	zinc	30	gallium	31	germanium	32	arsenic	33	selenium	34	bromine	35	helium	2
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr																		
rubidium	37	strontium	38	yttrium	39	zirconium	40	niobium	41	moledenum	42	technetium	43	ruthenium	44	rhodium	45	palladium	46	silver	47	cadmium	48	indium	49	tin	50	antimony	51	tellurium	52	iodine	53	sezon	54
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe																		
cesium	55	barium	56			hafnium	72	lanthanum	73	europium	74	thorium	75	cerium	76	iridium	77	platinum	78	gold	79	mercury	80	thallium	81	lead	82	bismuth	83	polonium	84	astatine	85	radon	86
Cs	Ba					Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn															
franum	87	radium	88			rutherfordium	104	dubnium	105	seaborgium	106	bohrium	107	hessium	108	meitnerium	109	demeterium	110	noertperium	111	copernicium	112	rhodium	113	florium	114	moscovium	115	livernormium	116	temesvári	117	oganesson	118
Fr	Ra					Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Nh	Fl	Mc	Lv	Ts	Og															

Light rare earth elements

Heavy rare earth elements

lanthanum	57	cerium	58	praseodymium	59	neodymium	60	promethium	61	samarium	62	europium	63	gadolinium	64	terbium	65	dysprosium	66	holmium	67	erbium	68	thulium	69	ytterbium	70	lutetium	71
actinum	89	thorium	90	protactinium	91	curium	92	neptunium	93	plutonium	94	americium	95	curium	96	berkelium	97	californium	98	einsteinium	99	fermium	100	mendelevium	101	nobelium	102	lawrencium	103
Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr															

# GLOBALLY SIGNIFICANT CLAY-HOSTED RARE EARTH DISCOVERY

Inside Centre to be the Cornerstone Deposit at Splinter Rock

- **682Mt at 1,338 ppm TREO** (at a 1,000ppm cut-off grade) for **910 kt contained TREO**<sup>1</sup>
- **High-value MagREO represents an average of ~23% of TREO grade for 205 kt contained MagREO**<sup>1</sup>
- **High Grade Inside Centre Prospect 119Mt at 1,632ppm TREO (Indicated)**
- **Overall Process Recoveries of ~75%**<sup>2</sup>
- High-quality MREC ~56% & MREH ~59% TREO<sup>3</sup>
- +90% of product value from Nd + Pr + Dy + Tb
- Located close to port of Esperance away from farmland
- No private royalties



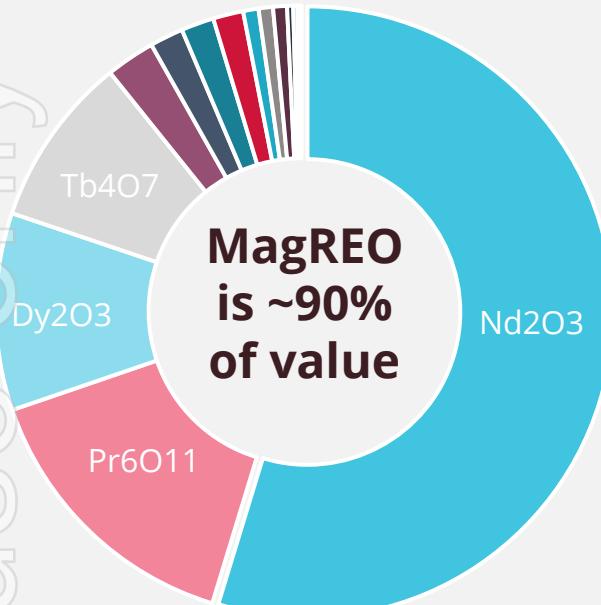
1. Refer to [ASX Announcement Mineral Resource Estimate Doubles](#)
2. Refer to [ASX Announcement IX Improves Processing Flowsheet](#)
3. Refer to [ASX Announcement High Quality MREC produced](#)



# MRE TREO VALUE AND DISTRIBUTION

Nd, Pr, Dy, Tb resent ~90% of Potential contained Value

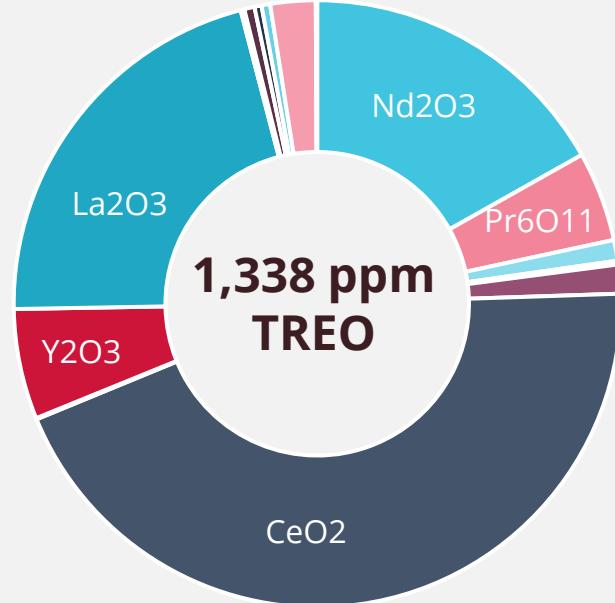
**TREO REE Value**



**Value Distribution**

Value	Distribution
49.9%	Nd <sub>2</sub> O <sub>3</sub>
13.7%	Pr <sub>6</sub> O <sub>11</sub>
16.1%	Dy <sub>2</sub> O <sub>3</sub>
9.4%	Tb <sub>4</sub> O <sub>7</sub>
2.2%	Gd <sub>2</sub> O <sub>3</sub>
2.1%	CeO <sub>2</sub>
1.9%	Lu <sub>2</sub> O <sub>3</sub>
1.6%	Y <sub>2</sub> O <sub>3</sub>
0.8%	La <sub>2</sub> O <sub>3</sub>
0.6%	Ho <sub>2</sub> O <sub>3</sub>
0.9%	Er <sub>2</sub> O <sub>3</sub>
0.4%	Eu <sub>2</sub> O <sub>3</sub>
0.3%	Yb <sub>2</sub> O <sub>3</sub>
0.2%	Sm <sub>2</sub> O <sub>3</sub>
0.1%	Tm <sub>2</sub> O <sub>3</sub>

**TREO % Distribution**



TREO (Total Rare Earth Oxide) = La<sub>2</sub>O<sub>3</sub> + CeO<sub>2</sub> + Pr<sub>6</sub>O<sub>11</sub> + Nd<sub>2</sub>O<sub>3</sub> + Sm<sub>2</sub>O<sub>3</sub> + Eu<sub>2</sub>O<sub>3</sub> + Gd<sub>2</sub>O<sub>3</sub> + Tb<sub>4</sub>O<sub>7</sub> + Dy<sub>2</sub>O<sub>3</sub> + Ho<sub>2</sub>O<sub>3</sub> + Er<sub>2</sub>O<sub>3</sub> + Tm<sub>2</sub>O<sub>3</sub> + Yb<sub>2</sub>O<sub>3</sub> + Lu<sub>2</sub>O<sub>3</sub> + Y<sub>2</sub>O<sub>3</sub>

MagREO (Magnet Rare Earth Oxide) = Nd<sub>2</sub>O<sub>3</sub> + Pr<sub>6</sub>O<sub>11</sub> + Tb<sub>4</sub>O<sub>7</sub> + Dy<sub>2</sub>O<sub>3</sub>

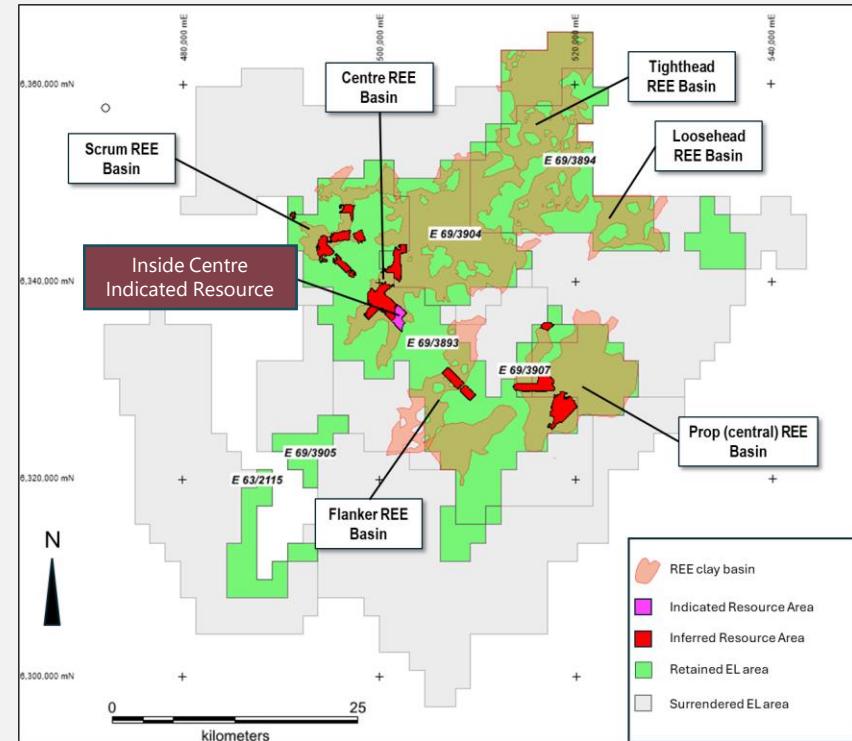
Note: Contained value is based on forecast pricing sourced from Adamas Intelligence "Rare Earth Pricing Quarterly Outlook". The chart is illustrative only of where rare earth economic value will be primarily derived from.

# RESOURCE GROWTH POTENTIAL

Upside to Towards Billions of Tonnes – Across a Tenement Holding Area of 949 km<sup>2</sup>

- Current resource based on drilling <10% of clay basins identified
- Inside Centre has direct extensions of thick REE high-grade zones pending further drilling
- Centre Basin Extends >30km to the NE
- Potential to exceed well beyond 1 billion tonnes
- Has the best zone even been discovered ?

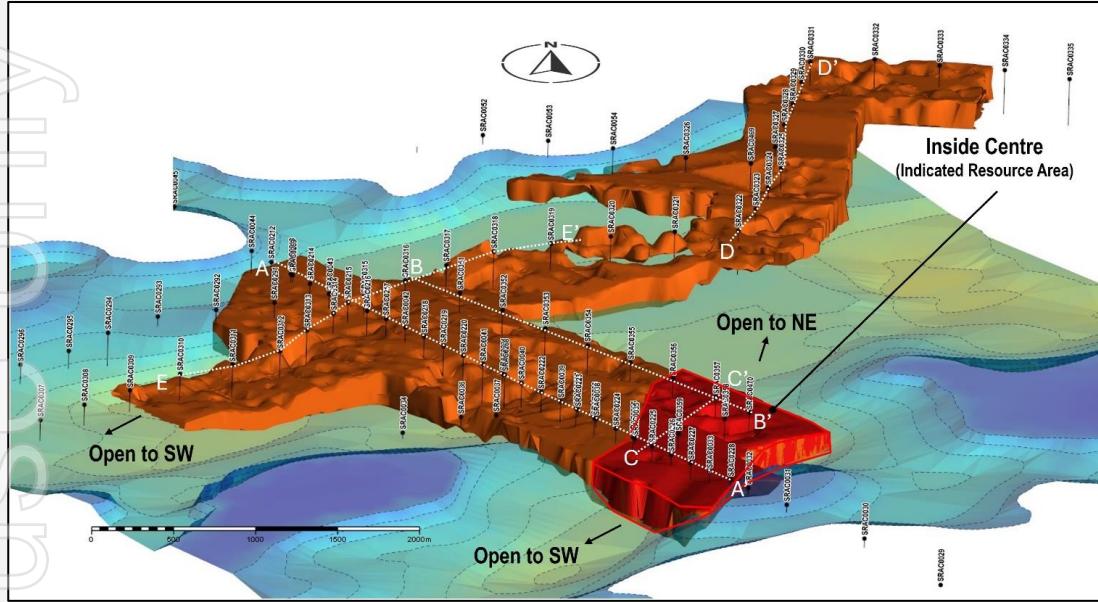
1. Refer to ASX Announcement Mineral Resource Estimate Doubles
2. Refer to ASX Announcement Start of the Art Modelling Reveals Basin Extensions



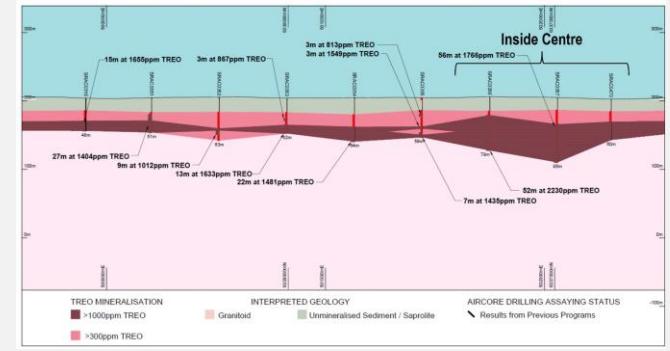
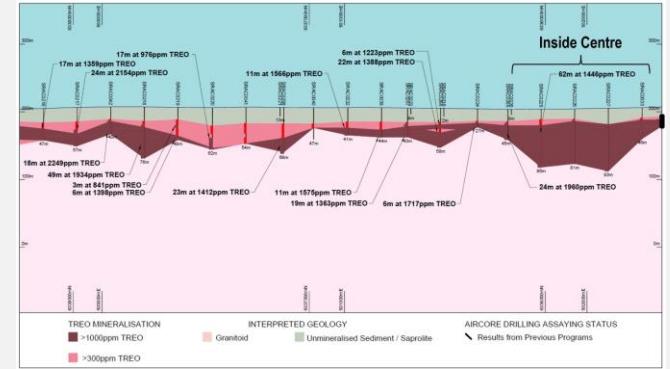
# INSIDE CENTRE - A HIGH GRADE STAND OUT

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

## Inside Centre to be the focus of future works

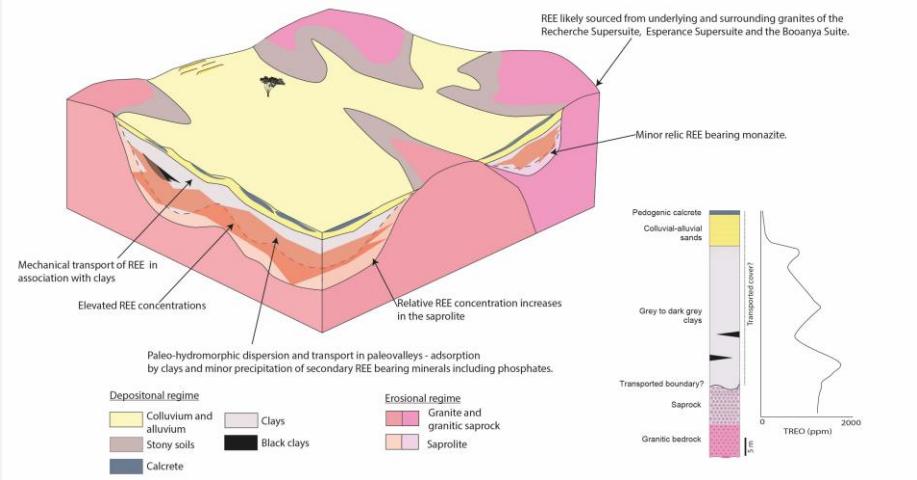
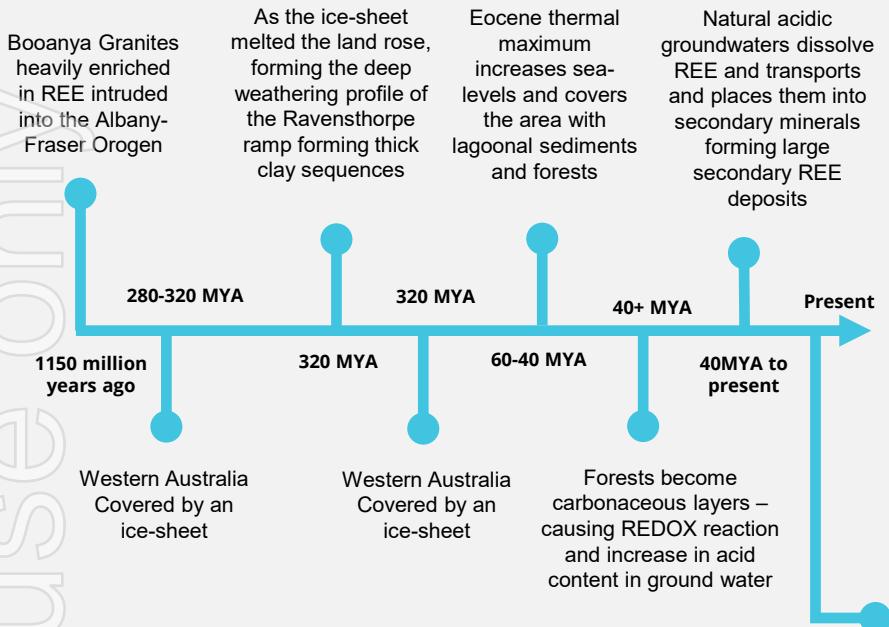


Refer to [ASX Announcement Mineral Resource Estimate Doubles](#)



# UNIQUE GEOLOGICAL FORMATION

Why this is different to all other clay projects in WA – its not just about weathering of granites



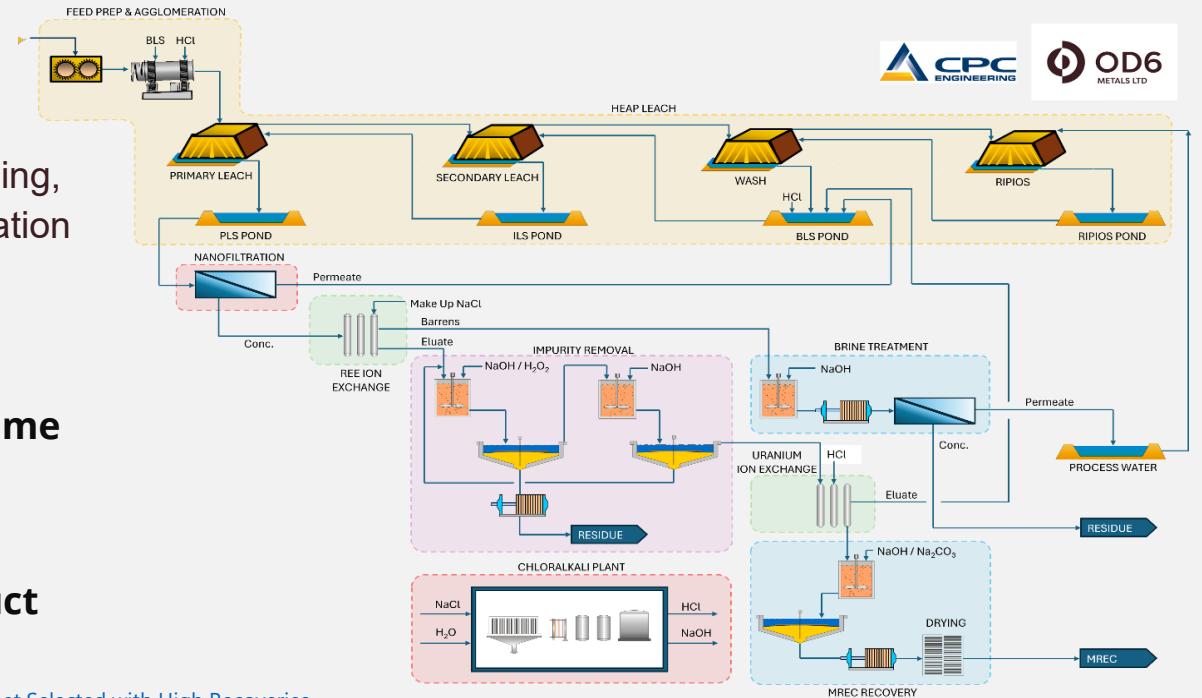
- Splinter Rock is different to other clay projects in WA**
- This is not just about weathering granites, requiring processing of refractory REE minerals using high temperature**
- Our REE have already been mobilised with acidic ground waters and available for leaching at ambient temperatures and pressures, direct to a industry acceptable MREC**

Refer to [ASX Announcement CSIRO Research Paper Publication](#)

# INNOVATIVE PROCESSING STEPS

Simplified Processing Pathway to Produce High Quality Low Impurity Product

- Simple acidic heap leach
- Capital intensive processing steps removed - tanks, thickening, clay washing, solid liquid separation
- 84.5% Acid Recycling with Nanofiltration (NF)
- 69% reduction in liquor volume sent to Ion Exchange (IX) and Impurity Removal (IR) Circuits
- U & Th Removed from product

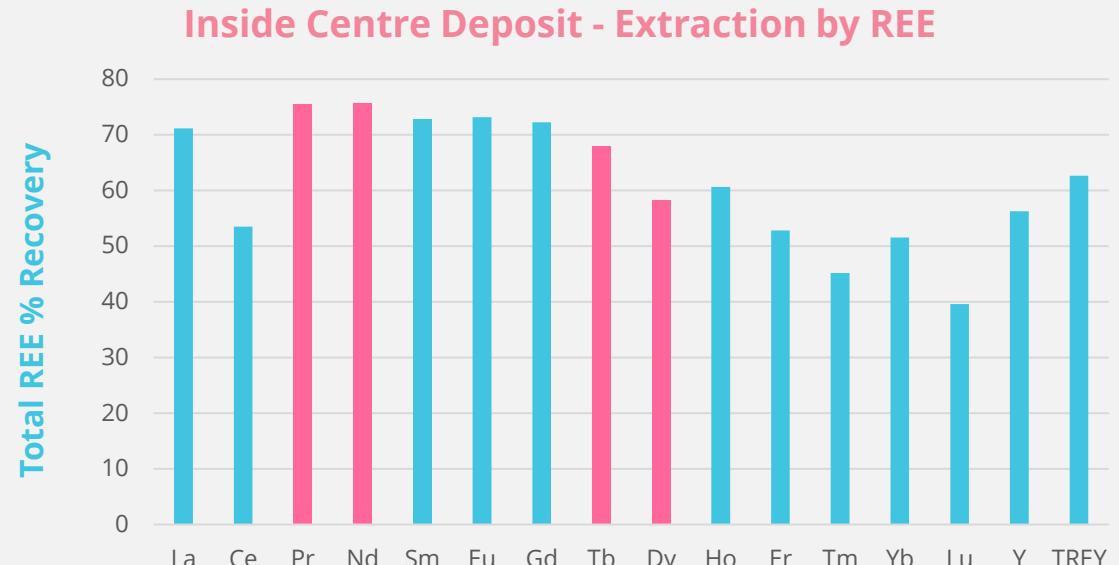


1. Refer to [ASX Announcement Innovative Process Flowsheet Selected with High Recoveries](#)
2. Refer to [ASX Announcement Nanofiltration Reduces Acid Requirements By Over 80%](#)

# OUTSTANDING METALLURGICAL RESULTS

Rare Earths Recovered with Simple Heap Leach

- Excellent overall Nd and Pr recovery of ~75% inclusive of impurity removal
- Heavy Rare Earth (Gd to Lu + Y) recoveries add significant value
- High quality MREC and MREH ~56-59% TREO and Low Impurity (Al, Fe, Si, U, Th)
- Product quality meets or exceeds global MREC and MREH benchmarks



1. Refer to [ASX Announcement Heap Leach Improves Met Recoveries](#)
2. Refer to [ASX Announcement IXI Improves Processing Flowsheet](#)
3. Refer to [ASX Announcement High Quality MREC produced](#)
4. Refer to [ASX Announcement Innovative Process Flowsheet Selected with High Recoveries](#)

# MREC and MREH TREO AND IMPURITY COMPOSITION

Nd, Pr, Dy, Tb resent ~90% of Potential contained Value

- >55% Total Rare Earth Oxide (TREO) equivalents
- High Magnetic Rare Earth content to represent +90% of product value (Nd + Pr + Dy + Tb)
- Low levels of impurities
- <0.001% Uranium and Thorium
- Offtake Engagement - North America, Europe & Asia
- Further composition refinements underway at ANSTO

## TREO Composition

Element	MREC wt%	MREH wt%
La <sub>2</sub> O <sub>3</sub>	13.40	8.01
CeO <sub>2</sub>	27.44	28.93
Pr <sub>6</sub> O <sub>11</sub>	<b>2.86</b>	<b>3.82</b>
Nd <sub>2</sub> O <sub>3</sub>	<b>9.16</b>	<b>13.26</b>
Sm <sub>2</sub> O <sub>3</sub>	<b>1.11</b>	<b>1.63</b>
Eu <sub>2</sub> O <sub>3</sub>	0.15	0.21
Gd <sub>2</sub> O <sub>3</sub>	0.54	0.84
Tb <sub>4</sub> O <sub>7</sub>	<b>0.07</b>	<b>0.10</b>
Dy <sub>2</sub> O <sub>3</sub>	<b>0.26</b>	<b>0.40</b>
Ho <sub>2</sub> O <sub>3</sub>	0.046	0.06
Er <sub>2</sub> O <sub>3</sub>	0.09	0.14
Tm <sub>2</sub> O <sub>3</sub>	0.01	0.02
Yb <sub>2</sub> O <sub>3</sub>	0.06	0.08
Lu <sub>2</sub> O <sub>3</sub>	0.01	0.01
Y <sub>2</sub> O <sub>3</sub>	<b>1.14</b>	<b>1.75</b>
<b>TREO</b>	<b>56.37</b>	<b>59.25</b>

## Impurity Composition

Element	MREC wt%	MREH wt%
Al	0.38	0.58
Ca	3.62	0.04
Fe	0.01	0.02
K	0.27	0.03
Mg	0.08	<0.01
Mn	0.30	0.08
Na	1.83	1.00
P	<0.0125	<0.01
S	<0.124	0.07
Si	<0.0621	<0.07
Zn	0.05	0.08
F	<0.10	0.25
Th	<b>&lt;0.001</b>	<b>&lt;0.001</b>
U	<b>&lt;0.001</b>	<b>&lt;0.001</b>

Refer to [ASX Announcement High Quality MREC produced](#)

# PRIME LOCATION FOR FUTURE DEVELOPMENT

Existing Australian Infrastructure a Key Differentiating Factor



## ESTABLISHED ESPERANCE TOWNSHIP

- Proximate to large coastal town Esperance.
- Local workforce potential for any future development



## READY ACCESS TO ESPERANCE BULK PORT

- Esperance Port handles over 200 ships p.a.
- Cape size vessel capacity
- Regular container ships link to the export market



## SERVICED BY EXISTING ROAD NETWORK

- Established, well maintained road network connecting Splinter Rock to town and port



## LOCAL RENEWABLE POWER CONNECTED

- Proven renewable energy production
- Esperance has Dual 4.5 MW wind turbines plus 4 MW solar farm and gas turbines

# BENCHMARKING SHOWS POTENTIAL LOW CAPEX PROJECT

	<b>OD6</b>	<b>IXR</b>	<b>MEI</b>	<b>VMM</b>	<b>VTM</b>	<b>BCM</b>	<b>LIN</b>	<b>ILU</b>	<b>ARU</b>
<b>Location</b>	Australia	Uganda	Brazil	Brazil	Australia	Brazil	Malawi	Australia	Australia
<b>Ore Type</b>	Clay Hosted	Clay Hosted	Clay Hosted	Clay Hosted	Clay Hosted	Clay Hosted	Hard Rock Monazite	Hard Rock Monazite	Hard Rock Apatite
<b>Processing Method</b>	Heap Leach at Ambient	Heap Leach at Ambient	Leach Tanks at Ambient	Leach Tanks at Ambient	Leach Tanks at 60-90°C	In-situ Leach	Gravity, Mag Sep & Float	Crack, Leach, Purify, SX	Mill, Float, Leach, Bake, SX
<b>Product</b>	MREC/H	MREC	MREC	MREC	MREC	MREC	Monazite Conc.	Nd Pr Dy Tb Oxides	NdPr Oxide + SEG/HRE Oxide
<b>Resource Grade TREO</b>	1,338 ppm	640 ppm	2,359 ppm	2,508 ppm	493 ppm	746 ppm	2.14 %	Mixed	2.6 %
<b>Feed Grade TREO</b>	1,632 ppm	848 ppm	3,701 ppm	3,380 ppm	520 ppm	1,113 ppm	2.9 %	Mixed	2.9 %
<b>Annual Throughput</b>	TBA	5 Mtpa	6 Mtpa	5 Mtpa	8 Mtpa	9 Mtpa	536 ktpa	Variable	1.05 Mtpa
<b>TREO Recovery</b>	~70-75%	35 %	55 %	57 %	86 % #	48 %	60 %	Not stated	80 - 85%
<b>REO Production</b>	TBA	1,160 t	13,584 t	9,448 t	1,913 t excludes Ce+La	4,800 t	8,259 t	15,100 t	5,013 t
<b>Payability Assumed</b>	70-75 %	70 %	70 %	70 %	85 %	70 %	50-60 %	100 %	70 - 100 %
<b>CAPEX</b>	TBA	US\$120 M	US\$443 M	US\$354 M	US\$219 M	US\$55 M	US\$40 M	~US\$1,200 M	US\$1,226 M
<b>Capital Intensity per tonne REO or NdPr</b>	TBA	US\$104,803	US\$32,611	US\$37,468	US\$114,479	US\$11,458	US\$4,843	US\$79,470	US\$244,564
<b>Annual OPEX \$/kg REO or NdPr</b>	TBA	US\$52.99 /kg REO	US\$13.53 / kg REO	US\$9.30 / kg REO	US\$69.32 /kg REO	US\$6.15 / kg REO	US\$3.70 /kg REO	US\$37 / kg NdPr	US\$43.7 / kg NdPr
<b>Market Capitalisation<sup>1</sup></b>	~\$19 M	~\$81M	~\$423 M	~\$111 M	~\$162 M	~\$42 M	~\$592 M	~\$2,47 B	~\$1.04 B
<b>Link to Source</b>		<a href="#">DFS Report 20 March 2023</a>	<a href="#">PFS Report 21 July 2025</a>	<a href="#">PFS Report 9 July 2025</a>	<a href="#">Scoping Study 12 March 2025</a>	<a href="#">Scoping Study 26 Feb 2025</a>	<a href="#">FS Report 1 July 2024</a>	<a href="#">Update Econ. 6 Dec 2024</a>	<a href="#">Debt Funding 23 July 2024</a>

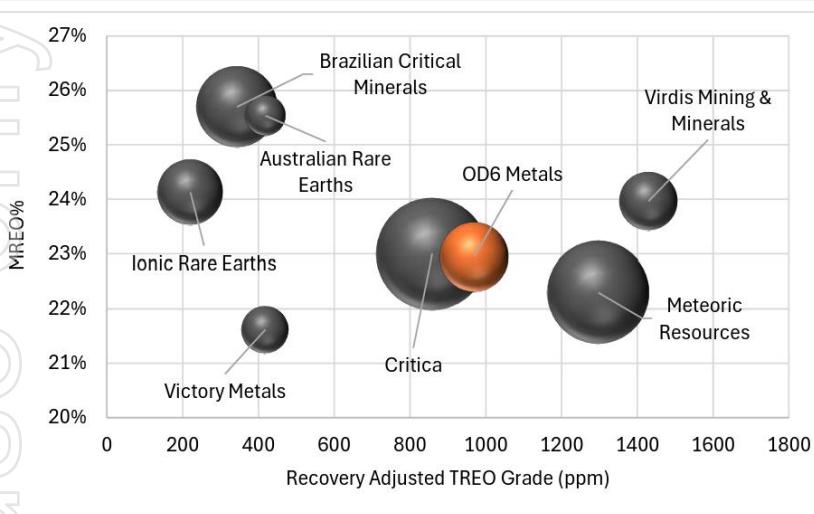
# recovery post +53um material removal

1. As at 12 December 2025

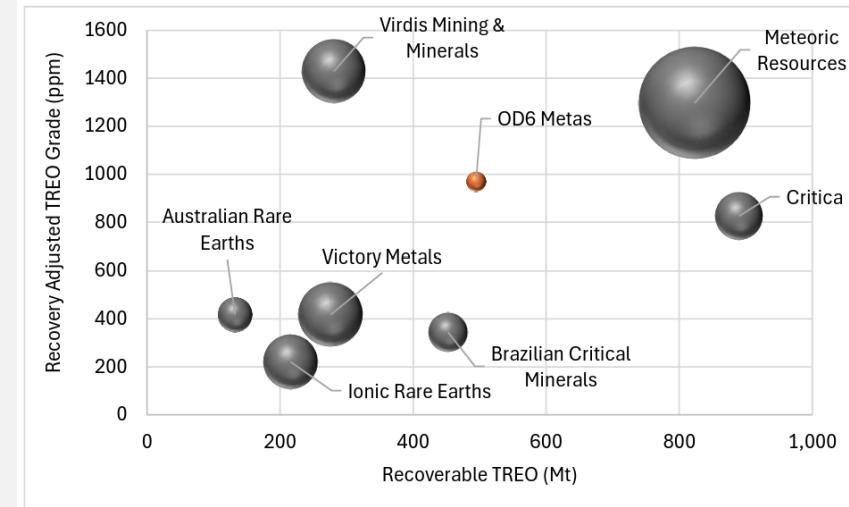
# BENCHMARKING ANALYSIS BY RECOVERED TREO

East Coast Research analysis highlights OD6 outperforms many of its peers

*"Recovery-Adjusted TREO Grade aligns resource grade with actual extractability, offering a more realistic view of grade quality once metallurgical performance is taken into account."*



Recovery-Adjusted TREO Grade (ppm) on the x-axis, MREO% on the y-axis, and bubble size representing total recoverable TREO tonnage.



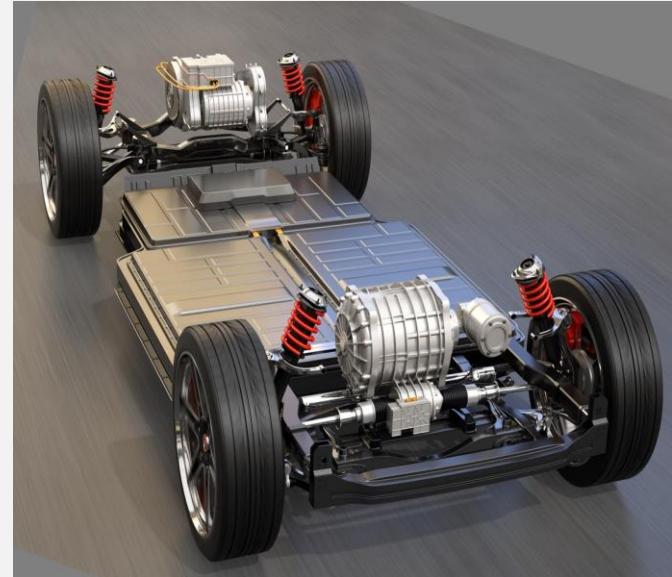
Bubble size reflecting enterprise value, the x-axis displays Recoverable TREO (Mt), the y-axis shows Recovery-Adjusted TREO Grade (ppm).

1. Refer to [East Coast Research OD6 Metals 9 December 2025](#)

# NEXT STEPS AT SPLINTER ROCK

Advanced Metallurgical Testwork and Studies

- **ANSTO Testwork Scale Up:**
  - ❖ **Heap leach Optimisation:** Heap Leach duration and kinetics, Acid strength and consumption, Counter current heap configuration, Particle agglomeration methodology
  - ❖ **Impurity Removal Verification:** Nanofiltration (NF) acid recovery, Ion Exchange (IX) selectivity, two stage Impurity Removal (IR) optimisation
  - ❖ **Bulk MREC and MREH Production:** Precipitation to produce >1 kg of MREC and/or MREH for customer qualification, offtake discussions, and to assess commercial payability options
- **Mining Study to Commence:** Inside Centre Deposit pit shells, stripping ratios, mine scheduling and preliminary mining costs
- **Engagement with potential offtake partners**
- **Engagement with government and potential financing partners**
- **Review Selective Nd, Pr, Tb and Dy Oxide Production Potential**



1. Refer [ASX Announcement – Innovative Process Flowsheet Selected with High Recoveries at Splinter Rock](#)

# Gulf Creek Copper

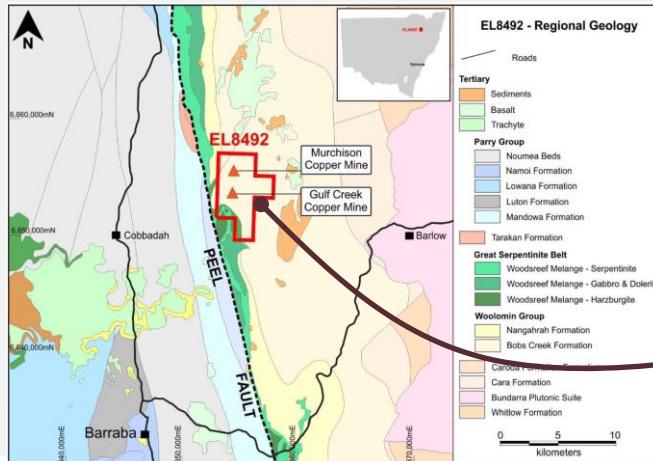


Historic High-Grade Copper-Zinc Mine (1896-1912)

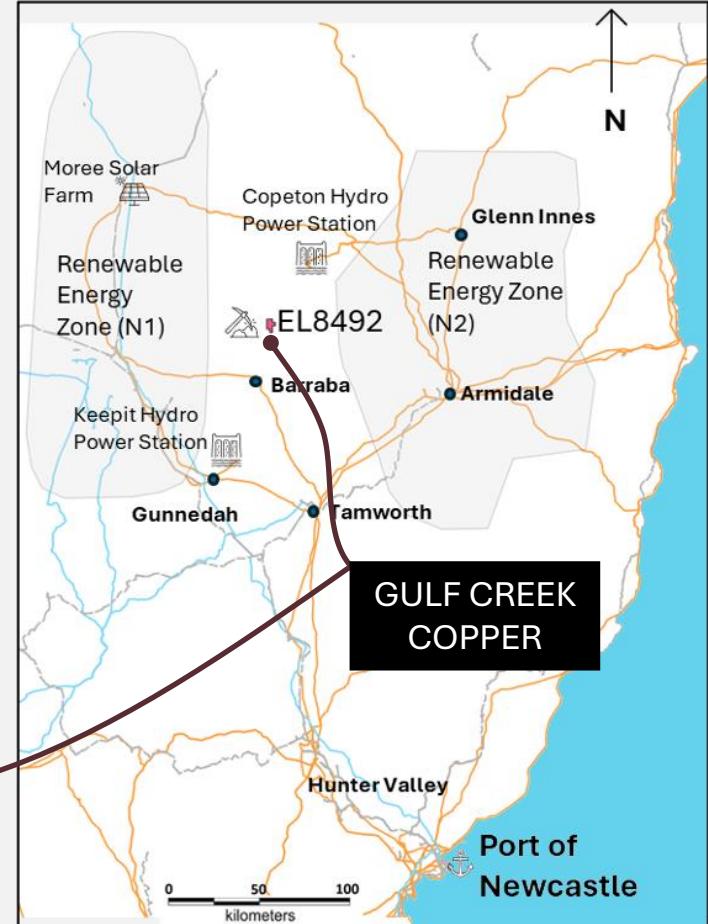
# GULF CREEK COPPER

Perfectly Positioned For Project Development

- Tier 1 Location: Northern NSW, Australia
- Ideally located with road access to Port of Newcastle
- Situated between two renewable energy zones (REZ)
- 83km from the nearest gas pipeline and rail lines



23.75 km<sup>2</sup>  
Tenement  
Area



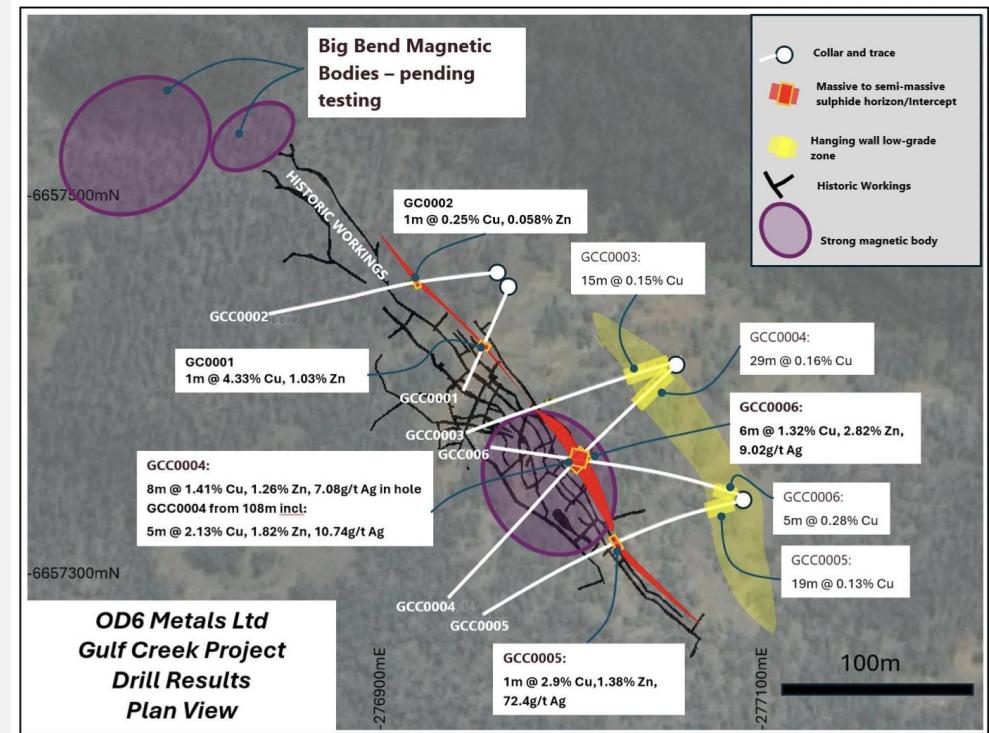
# EARLY PHASE DRILLING CONFIRMS HIGH-GRADE COPPERDY

Exploration Targeting Methodology Continuing to be Optimised

- Successfully 6 hole maiden drill program confirmed high-grade copper
  - 8m @ 1.41% Cu, 1.26% Zn, 7.08g/t Ag
  - 6m @ 1.32% Cu, 2.82% Zn, 9.02g/t Ag
  - 1m @ 4.33% Cu, 1.02% Zn, 2.5g/t Ag
- Strong relationship between magnetism and massive sulphide mineralisation
- Phase 2 drilling tested repeat structures identified by geophysics modelling
- Downhole EM and magnetics to further identify follow up targets

Refer to [ASX Announcement High Grade Copper Massive Sulphides](#)

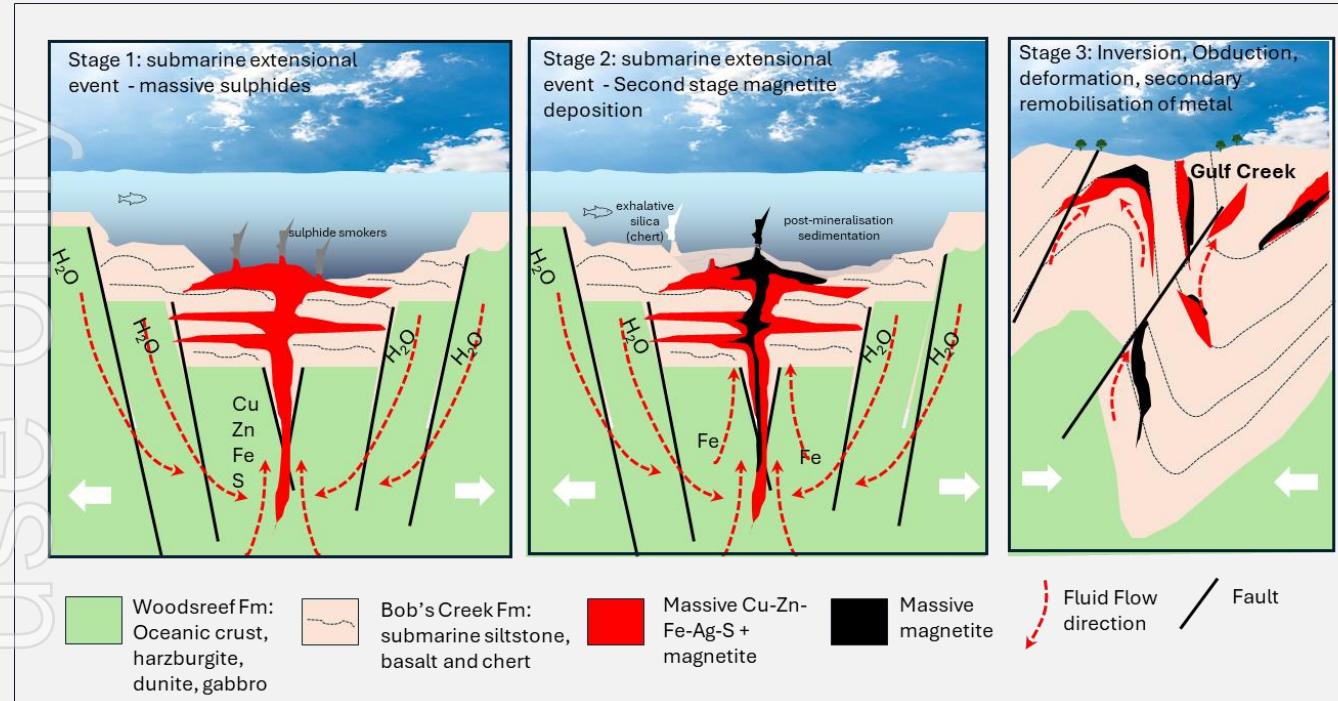
Refer to [ASX Announcement Down Hole EM Survey Commences at Gulf Creek](#)



Plan view of Phase 1 drilling

# GULF CREEK COPPER – HIGH GRADE VMS SYSTEM

Formation of a copper and zinc rich VMS System with magnetite association



**Gulf Creek is a Classic VMS System**

**Formed on the sea-floor when hydrothermal vents deposited copper rich sulphides**

# GULF CREEK – HIGH-GRADE COPPER CONFIRMED

Very elevated grades (**up to 4.6% Cu**) within hole GC0004

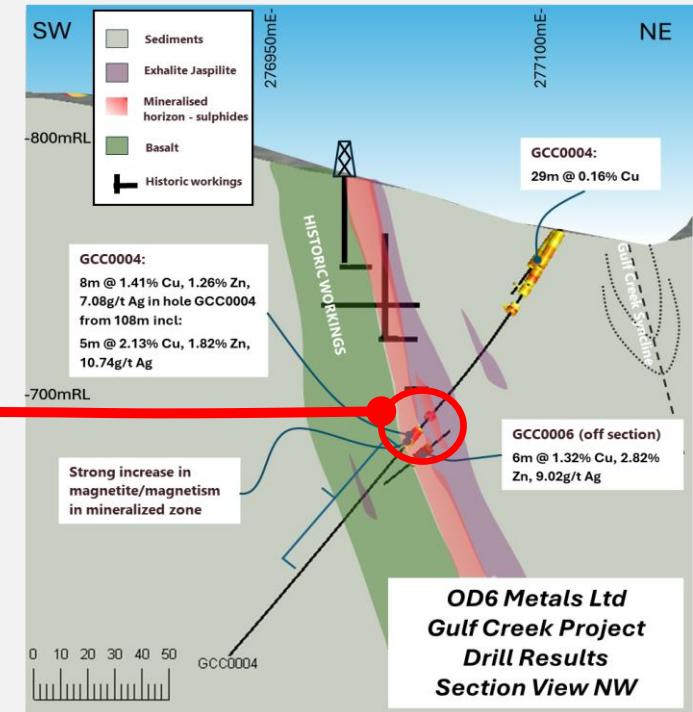
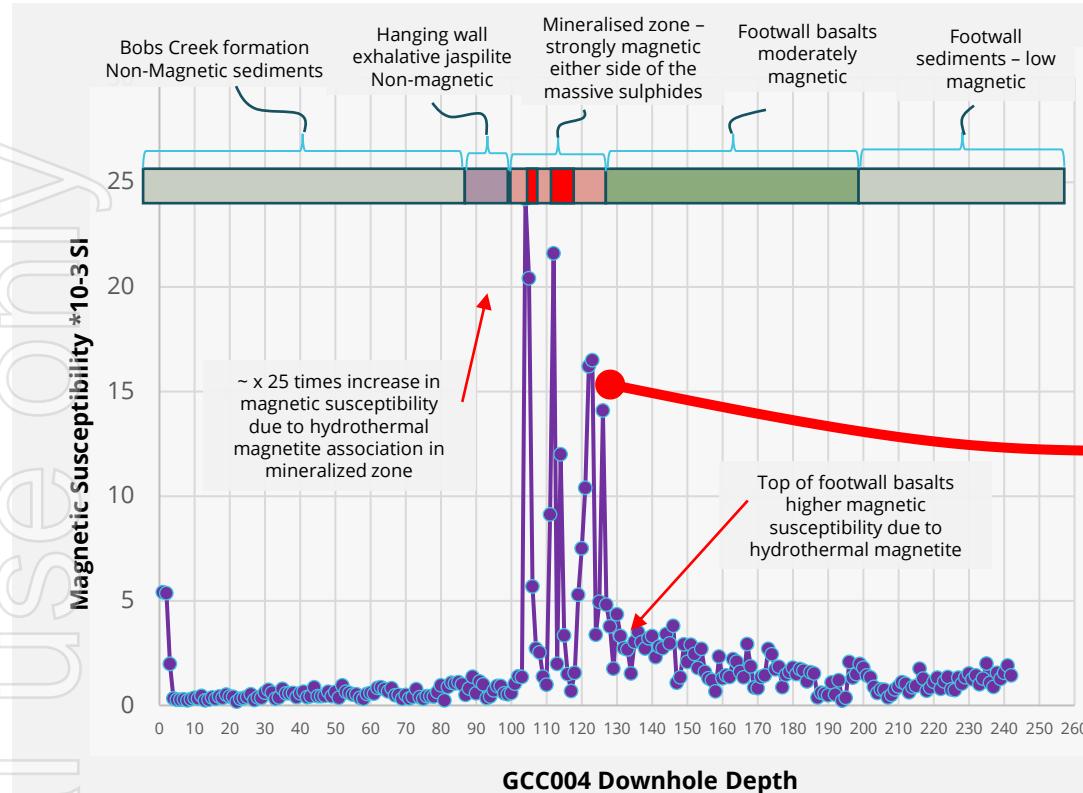


Chip Trays from Hole GC0004 showing the classic VMS stratigraphic succession from hanging wall sediments, jaspilite, disseminate to semi-massive to massive sulphides to footwall basalts

Refer to [ASX Announcement High Grade Copper Massive Sulphides](#)

# MAGNETIC SUSCEPTIBILITY AND MINERALISATION

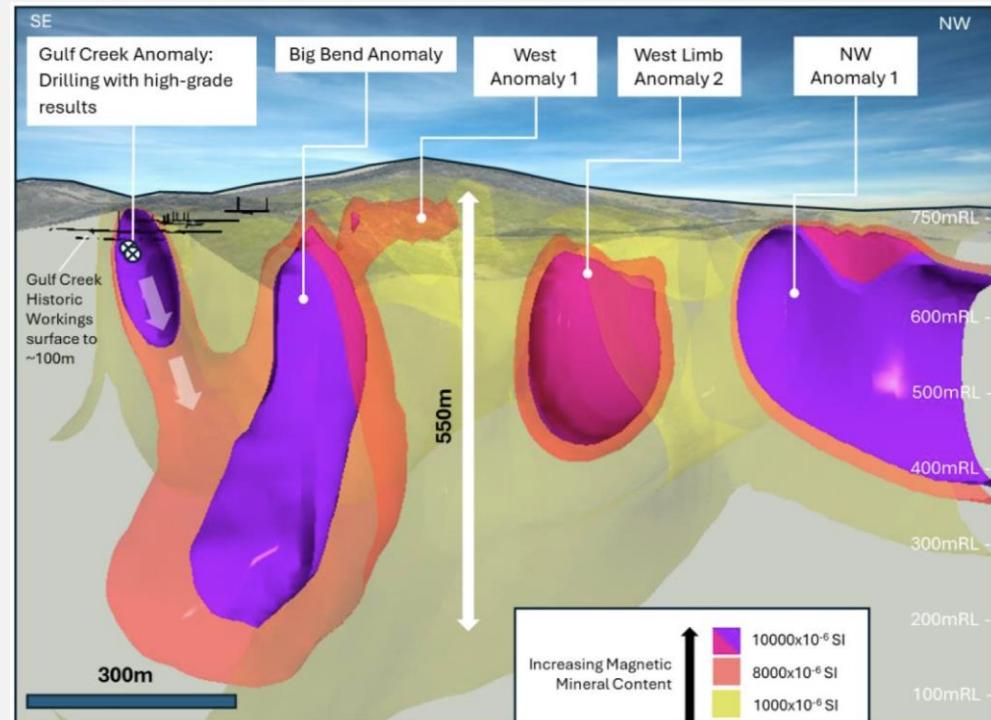
Magnetism Correlates with Copper in GCC004



# VMS SYSTEMS KNOWN FOR REPEAT STRUCTURES

Multiple Extensional and Repeat Magnetic Targets Indicated by 3D Inversion Modelling<sup>1</sup>

- Geophysical modelling has identified **multiple, high priority and untested targets**<sup>1</sup>
- **4 priority holes recently drilled at Big Bend, NorthWest, West Limb and Mine**
- **Down Hole EM Commenced** to identify, off hole, down dip, up dip, along dip or parallel conductors – **up to 100m away**<sup>2</sup>
- **Program can be expanded** based on success with 25-hole, ~7,500m permitted
- >3km of **target magnetite-VMS target horizon** in immediate mine area

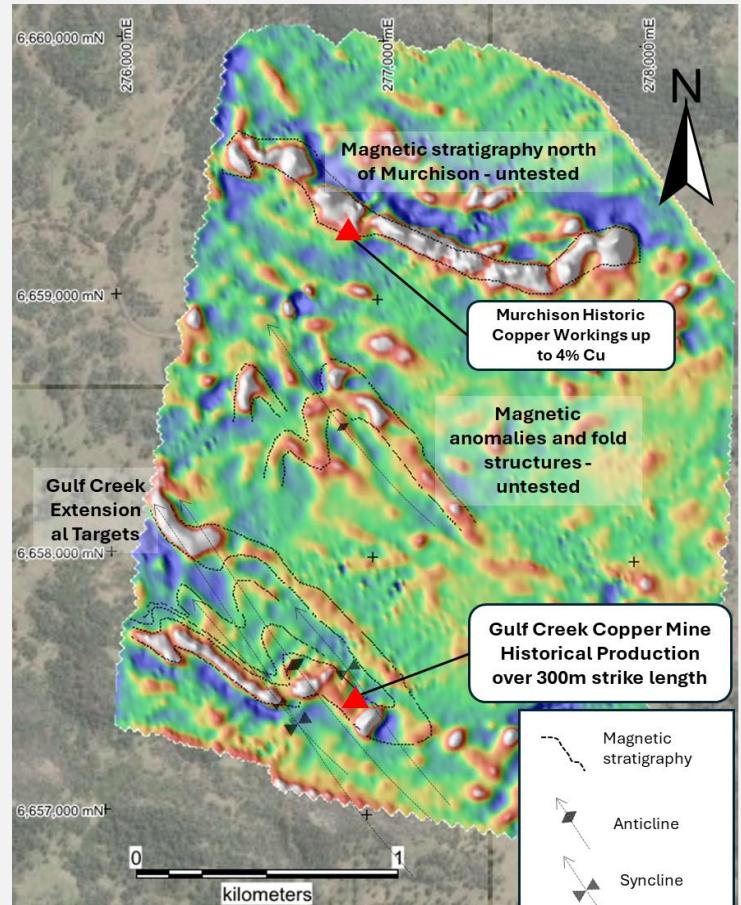
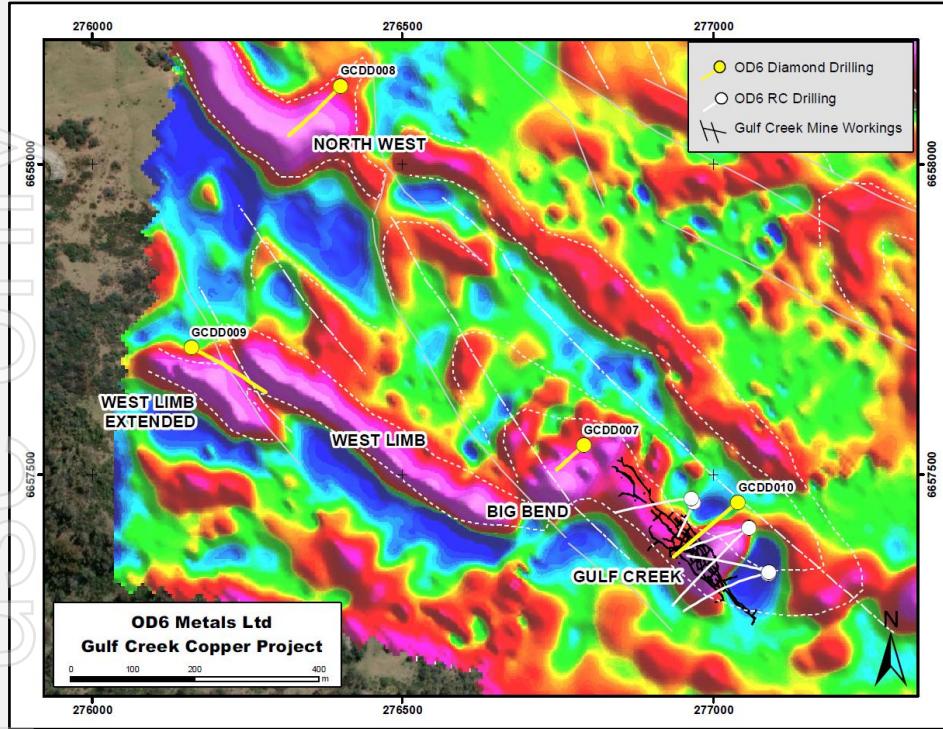


1. Refer to [ASX Announcement High Grade Copper Massive Sulphides](#)

2. Refer to [ASX Announcement Down Hole EM Survey Commences at Gulf Creek](#)

# SCALE POTENTIAL

>10km Target Horizon including Historic Murchison Mine



Refer [ASX Announcement New Potential VMS Copper Targets at Gulf Creek](#)

# GULF CREEK COPPER PROJECT HIGHLIGHTS & NEXT STEPS

A 100% Owned Australian Critical Minerals Project

- Record copper prices supported by strong market fundamentals
- Copper up to 4.6% Confirmed in Phase 1 Drilling
- High Grade Production History (Up to 12% Cu)
- Multiple High Priority Targets
- >3km to 10km of VMS target horizon
- Down Hole EM (DHEM) survey currently underway to refine the geophysical model and identify targets for follow-up work.
- Continued drilling during 2026
- 25-hole, ~7,500m Drill Program Permitted
- Assays Results from Recent Drilling Pending



# CONTACT US

## REGISTERED OFFICE

c/o LCP Group  
Level 1, 1 Alvan Street  
Subiaco WA 6008  
Phone: +61 8 6189 8515  
Email: info@od6metals.com.au

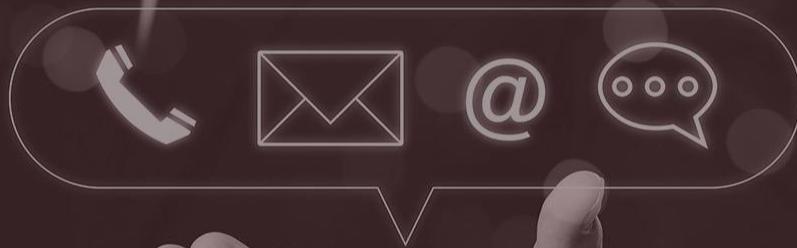
## SHARE REGISTRY

Computershare Investor Services  
Level 11, 172 St Georges Tce  
Perth WA 6000

[www.od6metals.com.au](http://www.od6metals.com.au)  
ASX:OD6

## LUCAS ROBINSON

Investor Relations  
[lucas@corporatestorytime.com](mailto:lucas@corporatestorytime.com)  
+61 408 228 889



# SPLINTER ROCK MINERAL RESOURCE ESTIMATE

At 1,000ppm Cut Off Grade



GLOBALY  
SIGNIFICANT  
HIGH GRADE  
CLAY HOSTED  
MINERAL  
RESOURCE  
ESTIMATE (MRE)

Prospect	Category	Tonnes (Mt)	TREO (ppm)	Pr <sub>6</sub> O <sub>11</sub> (ppm)	Nd <sub>2</sub> O <sub>3</sub> (ppm)	Tb <sub>4</sub> O <sub>7</sub> (ppm)	Dy <sub>2</sub> O <sub>3</sub> (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%
<b>Total</b>	<b>I+I</b>	<b>682</b>	<b>1,338</b>	<b>64</b>	<b>226</b>	<b>3</b>	<b>14</b>	<b>307</b>	<b>22.9%</b>

Refer to [ASX Announcement Mineral Resource Estimate Doubles](#)

TREO (Total Rare Earth Oxide) = La<sub>2</sub>O<sub>3</sub> + Ce<sub>2</sub>O<sub>3</sub> + Pr<sub>6</sub>O<sub>11</sub> + Nd<sub>2</sub>O<sub>3</sub> + Sm<sub>2</sub>O<sub>3</sub> + Eu<sub>2</sub>O<sub>3</sub> + Gd<sub>2</sub>O<sub>3</sub> + Tb<sub>4</sub>O<sub>7</sub> + Dy<sub>2</sub>O<sub>3</sub> + Ho<sub>2</sub>O<sub>3</sub> + Er<sub>2</sub>O<sub>3</sub> + Tm<sub>2</sub>O<sub>3</sub> + Yb<sub>2</sub>O<sub>3</sub> + Lu<sub>2</sub>O<sub>3</sub> + Y<sub>2</sub>O<sub>3</sub>

MagREO (Magnet Rare Earth Oxide) = Nd<sub>2</sub>O<sub>3</sub> + Pr<sub>6</sub>O<sub>11</sub> + Tb<sub>4</sub>O<sub>7</sub> + Dy<sub>2</sub>O<sub>3</sub>

% 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.

# SPLINTER ROCK MINERAL RESOURCE ESTIMATE

Focused on quality over quantity of resource



A QUALITY MRE  
TARGETING THE  
**BEST OF THE BEST**  
GRADE, RECOVERY,  
STRIP RATIO AND  
REAGENT  
CONSUMPTION

Cut-off grade (ppm TREO)	Tonnes (Mt)	TREO (ppm)	Contained TREO (k tonne)	MagREO (ppm)	MagREO (% of TREO)	Contained MagREO (k tonnes)
400	2,226	884	1,968	201	22.7%	447
600	1,654	1014	1,677	232	22.9%	384
800	1,125	1164	1,310	267	22.9%	300
<b>1,000</b>	<b>682</b>	<b>1338</b>	<b>913</b>	<b>307</b>	<b>22.9%</b>	<b>209</b>
1,200	394	1518	598	348	22.9%	137
1,400	226	1686	381	386	22.9%	87

TREO (Total Rare Earth Oxide) = La<sub>2</sub>O<sub>3</sub> + CeO<sub>2</sub> + Pr<sub>6</sub>O<sub>11</sub> + Nd<sub>2</sub>O<sub>3</sub> + Sm<sub>2</sub>O<sub>3</sub> + Eu<sub>2</sub>O<sub>3</sub> + Gd<sub>2</sub>O<sub>3</sub> + Tb<sub>4</sub>O<sub>7</sub> + Dy<sub>2</sub>O<sub>3</sub> + Ho<sub>2</sub>O<sub>3</sub> + Er<sub>2</sub>O<sub>3</sub> + Tm<sub>2</sub>O<sub>3</sub> + Yb<sub>2</sub>O<sub>3</sub> + Lu<sub>2</sub>O<sub>3</sub> + Y<sub>2</sub>O<sub>3</sub>

MagREO (Magnet Rare Earth Oxide) = Nd<sub>2</sub>O<sub>3</sub> + Pr<sub>6</sub>O<sub>11</sub> + Tb<sub>4</sub>O<sub>7</sub> + Dy<sub>2</sub>O<sub>3</sub>

% Magnet REO = (MagREO / TREO)\*100

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