OD6 METALS LTD

OD6 Metals
Australian Clay-Hosted Rare Earths

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

5-7 November 2025 | 21st International Rare Earths Conference, Kuala Lumpa

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:

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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
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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.

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

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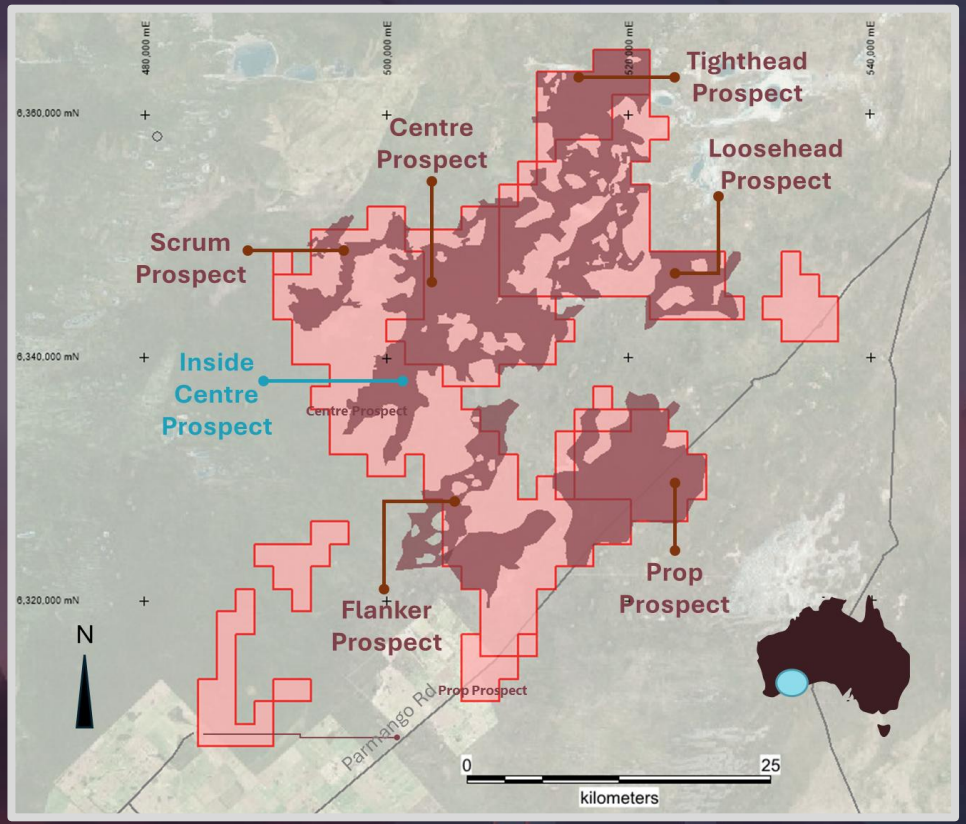
Splinter Rock Rare Earth



ASX:OD6

CRITICAL MAGNET RARE EARTH ELEMENTS

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

Light rare earth elements

59 Pr Praseodymium

- Electric vehicles
- Wind turbines

60 Nd Neodymium

- Electric vehicles
- Wind turbines
- Semiconductors

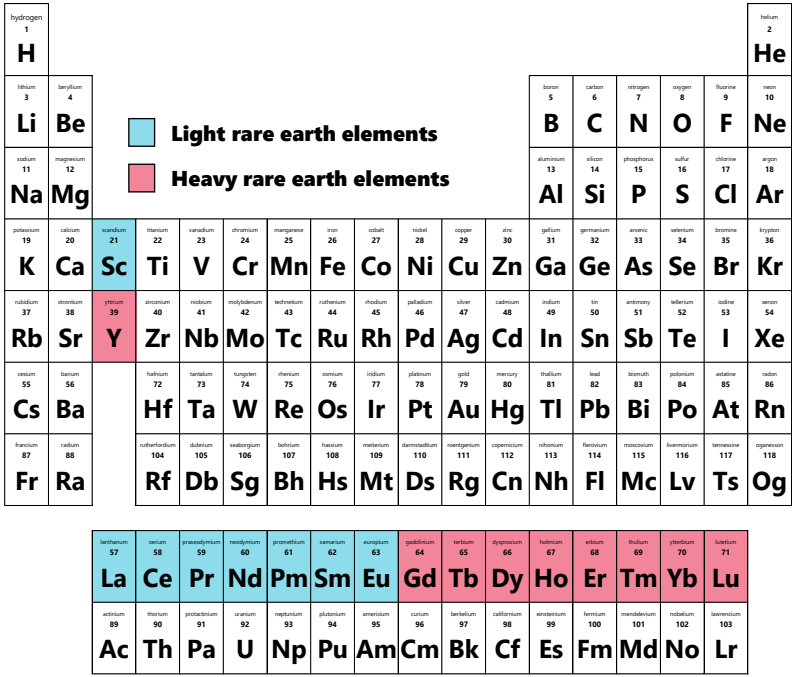
Heavy rare earth elements

66 Dy Dysprosium

- Electric vehicles
- Wind turbines
- Nuclear reactors
- Semiconductors

65 Tb Terbium

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



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

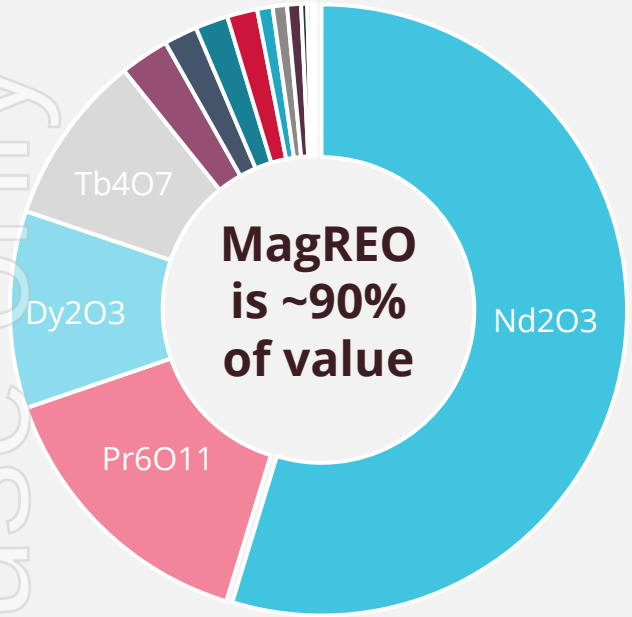
1. Refer to ASX Announcement Mineral Resource Estimate Doubles
2. Refer to ASX Announcement IXI Improves Processing Flowsheet
3. Refer to ASX Announcement High Quality MREC produced

MagREO (Magnet Rare Earth Oxide) = Nd_2O_3 + Pr_6O_{11} + Tb_4O_7 + Dy_2O_3

MRE TREO VALUE AND DISTRIBUTION

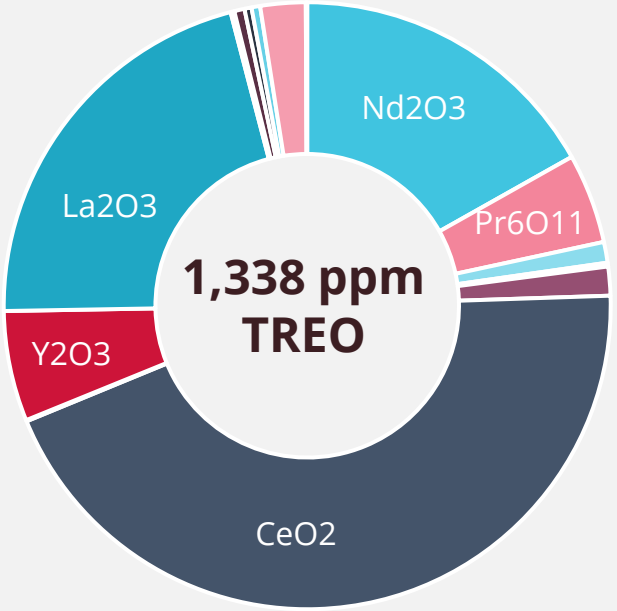
Nd, Pr, Dy, Tb resent ~90% of Potential contained Value

TREO REE Value



Value		Distribution	
49.9%	Nd2O3	16.9%	MagREO
13.7%	Pr6O11	4.8%	
16.1%	Dy2O3	1.1%	
9.4%	Tb4O7	0.2%	
2.2%	Gd2O3	1.5%	
2.1%	CeO2	44.4%	
1.9%	Lu2O3	0.1%	
1.6%	Y2O3	5.6%	
0.8%	La2O3	21.6%	
0.6%	Ho2O3	0.2%	
0.9%	Er2O3	0.5%	
0.4%	Eu2O3	0.4%	
0.3%	Yb2O3	0.4%	
0.2%	Sm2O3	2.4%	
0.1%	Tm2O3	0.1%	

TREO % Distribution



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

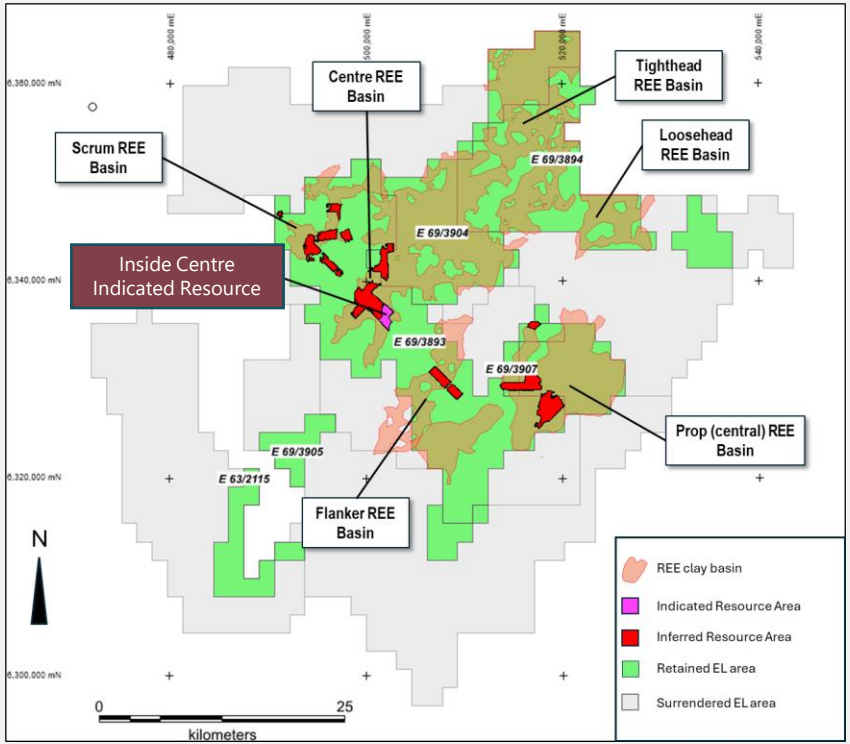
MagREO (Magnet Rare Earth Oxide) = Nd2O3 + Pr6O11 + Tb4O7 + Dy2O3

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^2

- 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 ?**

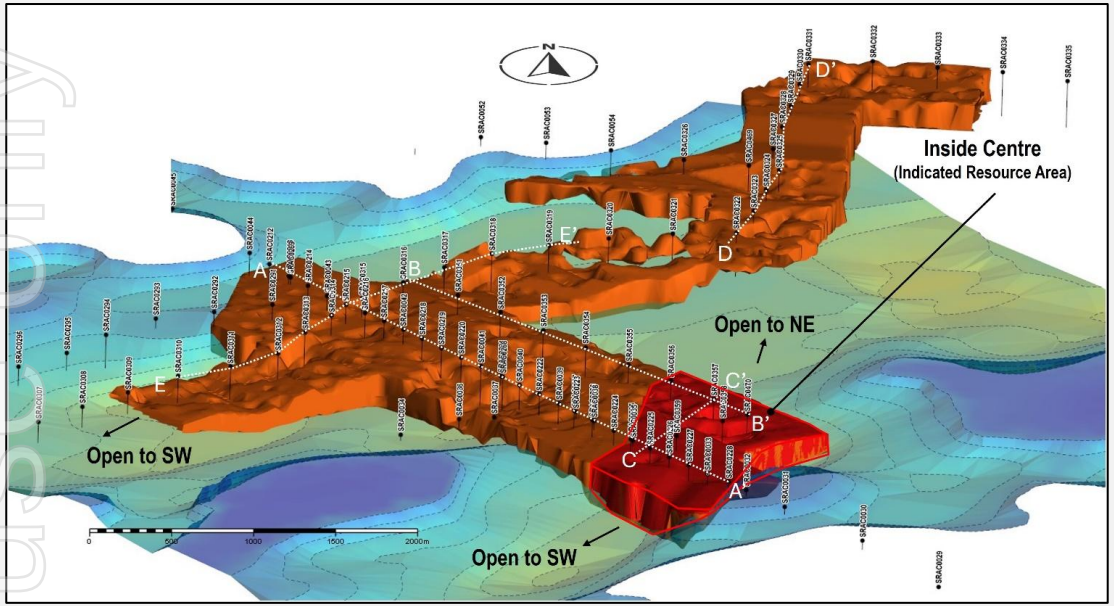


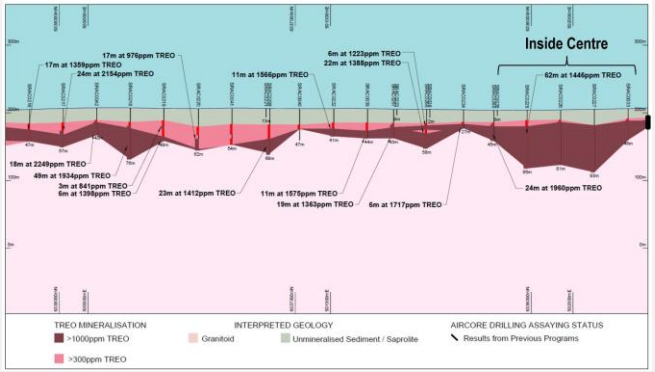
1. Refer to ASX Announcement Mineral Resource Estimate Doubles
2. Refer to ASX Announcement Start of the Art Modelling Reveals Basin Extensions

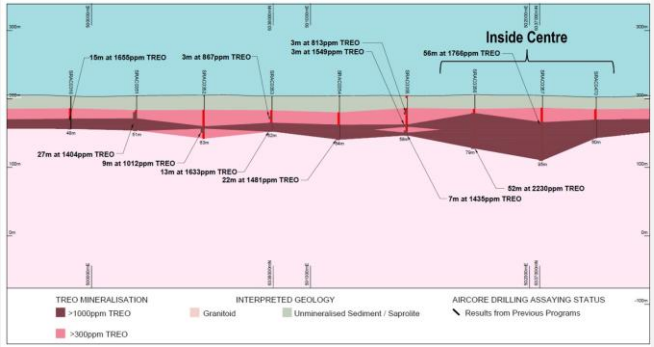
INSIDE CENTRE - A HIGH GRADE STAND OUT

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

Inside Centre to be the focus of future works



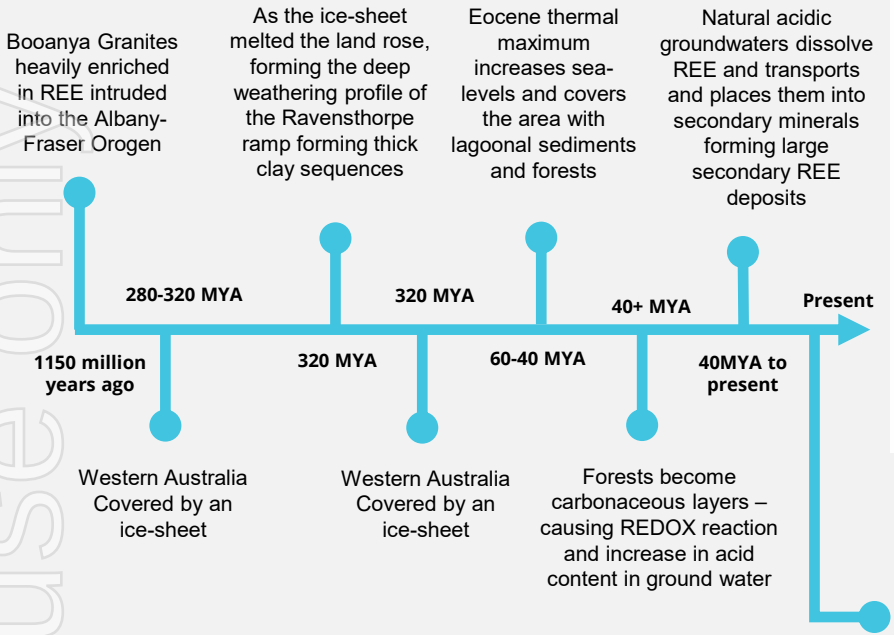


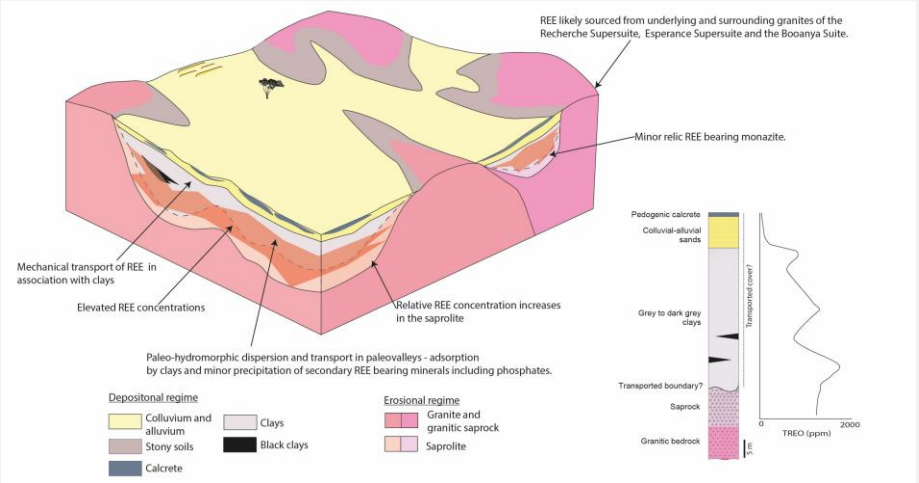


Refer to ASX Announcement Mineral Resource Estimate Doubles

UNIQUE GEOLOGICAL FORMATION

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



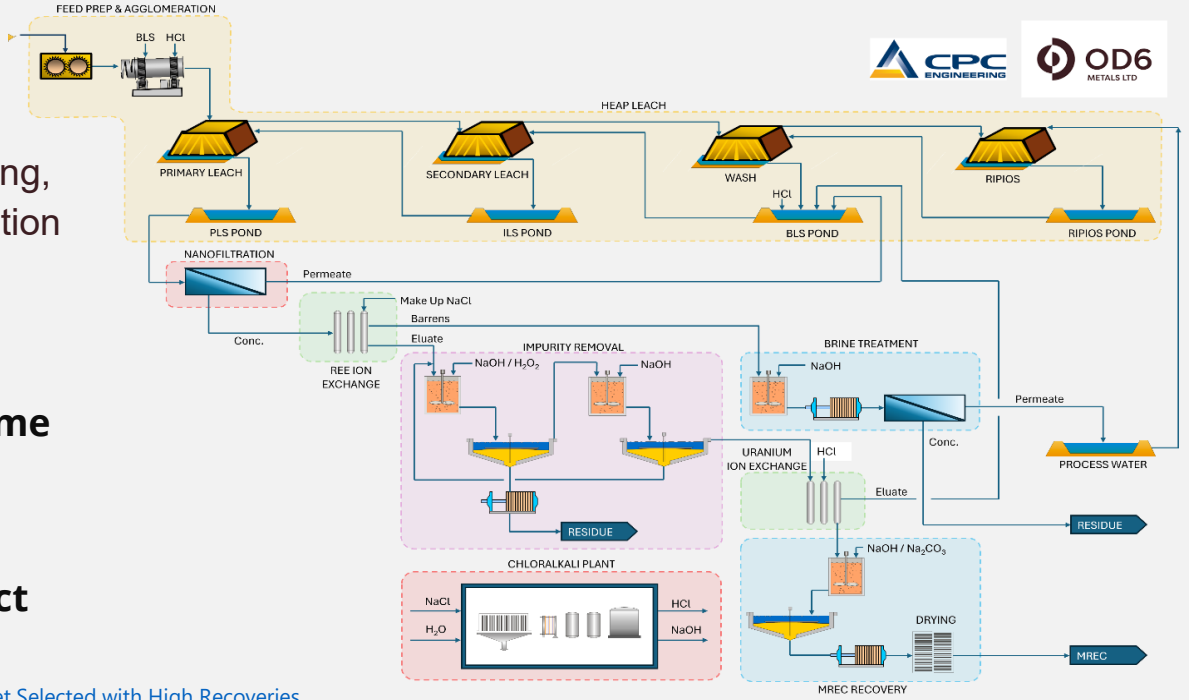


- **Splinter Rock is different** to other clay projects in WA
- This is not just about weathering granites, requiring processing of refractory REE minerals using high temperature
- **Our REE have already been mobilised with acidic ground waters and available for leaching at ambient temperatures and pressures,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

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**

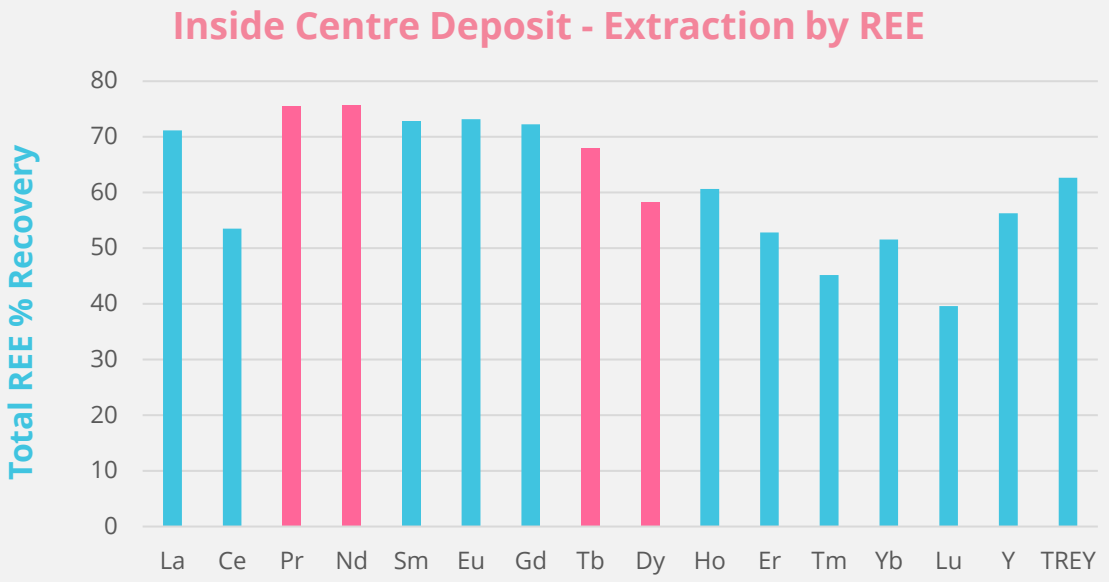


1. Refer to ASX Announcement Innovative Process Flowsheet Selected with High Recoveries
2. Refer to ASX Announcement Nanofiltration Reduces Acid Requirements By Over 80%

OUTSTANDING METALLURGICAL RESULTS

Rare Earths Recovered with Simple Heap Leach

- Excellent **overall Nd and Pr recovery of ~75%** inclusive of impurity removal
- **Estimated 7.5 kg HCl/t ore consumption**
- **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_2O_3	13.40	8.01
CeO_2	27.44	28.93
Pr_6O_{11}	**2.86**	**3.82**
Nd_2O_3	**9.16**	**13.26**
Sm_2O_3	**1.11**	**1.63**
Eu_2O_3	0.15	0.21
Gd_2O_3	0.54	0.84
Tb_4O_7	**0.07**	**0.10**
Dy_2O_3	**0.26**	**0.40**
Ho_2O_3	0.046	0.06
Er_2O_3	0.09	0.14
Tm_2O_3	0.01	0.02
Yb_2O_3	0.06	0.08
Lu_2O_3	0.01	0.01
Y_2O_3	**1.14**	**1.75**
TREO	56.37	59.25

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	**<0.001**	**<0.001**
U	**<0.001**	**<0.001**

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

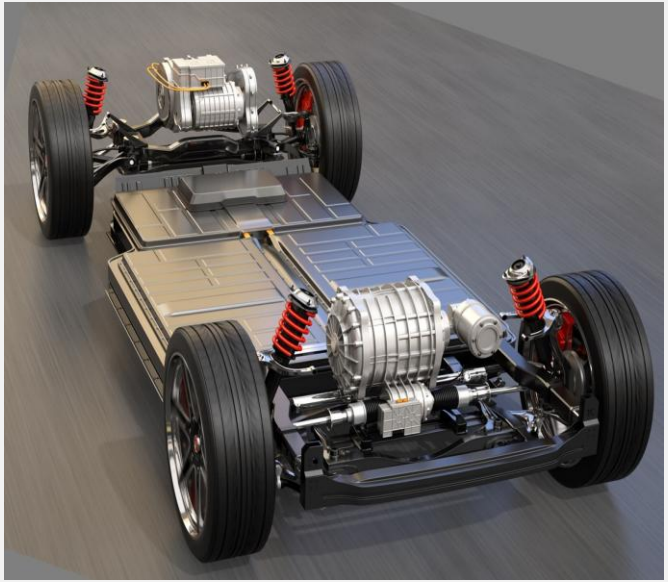
LOCAL RENEWABLE POWER CONNECTED

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

NEXT STEPS

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

BENCHMARKING SHOWS POTENTIAL LOW CAPEX PROJECT

	OD6	IXR	MEI	VMM	VTM	BCM	LIN	ILU	ARU
Location	**Australia**	Uganda	Brazil	Brazil	Australia	Brazil	Malawi	Australia	Australia
Ore Type	**Clay Hosted**	Clay Hosted	Clay Hosted	Clay Hosted	Clay Hosted	Clay Hosted	Hard Rock Monazite	Hard Rock Monazite	Hard Rock Apatite
Processing Method	**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**
Product	**MREC/H**	MREC	MREC	MREC	MREC	MREC	Monazite Conc.	Nd Pr Dy Tb Oxides	NdPr Oxide + SEG/HRE Oxide
Resource Grade TREO	**1,338 ppm**	640 ppm	2,359 ppm	2,508 ppm	493 ppm	746 ppm	2.14 %	Mixed	2.6 %
Feed Grade TREO	**1,632 ppm**	848 ppm	3,701 ppm	3,380 ppm	520 ppm	1,113 ppm	2.9 %	Mixed	2.9 %
Annual Throughput	**TBA**	**5 Mtpa**	**6 Mtpa**	**5 Mtpa**	**8 Mtpa**	**9 Mtpa**	**536 ktpa**	**Variable**	**1.05 Mtpa**
TREO Recovery	**~70-75%**	35 %	55 %	57 %	86 % #	48 %	60 %	Not stated	80 - 85%
REO Production	**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
Payability Assumed	**70-75 %**	70 %	70 %	70 %	85 %	70 %	50-60 %	100 %	70 - 100 %
CAPEX	**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**
Capital Intensity per tonne REO or NdPr	**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
Annual OPEX $/kg REO or NdPr	**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
Market Capitalisation[1]	**~$13 M**	**~$134 M**	**~$514 M**	**~$138 M**	**~$138 M**	**~$67 M**	**~$467 M**	**~$3.08 B**	**~$1.10 B**
Link to Source		DFS Report 20 March 2023	PFS Report 21 July 2025	PFS Report 9 July 2025	Scoping Study 12 March 2025	Scoping Study 26 Feb 2025	FS Report 1 July 2024	Update Econ. 6 Dec 2024	Debt Funding 23 July 2024

1. As at 28 October 2025

 # recovery post +53um material removal

RARE EARTHS MARKET HEATING UP

US Government determination to develop domestic critical minerals underpins REE industry revival

US Department of Defense invests US$400M in direct equity in America's largest REE producer – MP Materials, operator of the Mountain Pass mine in California

The deal includes **offtake & minimum price guarantees for NdPr at a significant premium** to current spot

Subsequently, **Apple have entered into a US$500M agreement to buy rare earths magnets** from MP Materials

Chinese REE export restrictions intensifies **US Government efforts to establish a domestic REE supply chain**

CNBC news

Pentagon to become largest shareholder in Rinehart-backed rare earth miner MP Materials

Spencer Kimball and Adrian Rauso | CNBC
Fri, 11 July 2025 7:59AM | Comments

WA rare earths positioned to play key role with US amid Donald Trump's critical minerals clash with China

Caitlyn Rintoul | The West Australian
Sun, 12 October 2025 1:07PM | Comments

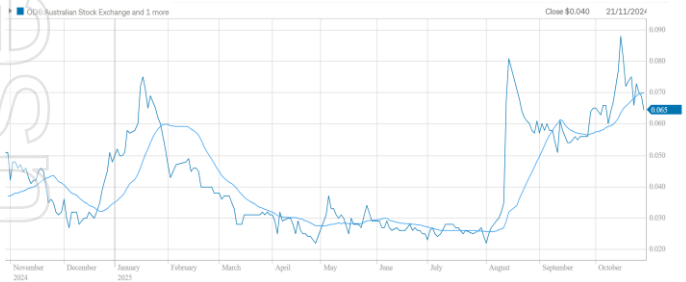
Caitlyn Rintoul

CORPORATE SNAPSHOT

High Calibre Leadership Team and Tight Capital Structure

Capital Structure	ASX: OD6
Price per share [1]	A$0.065
Total number of shares on issue [1]	198.93M
Performance rights and options [2]	86.87M
Market capitalisation (undiluted) [1]	A$12.9M
Cash [2]	A$3.0M
Debt [2]	Nil
Enterprise value	A$9.9M

Share Price 12 Month History **A$/share**



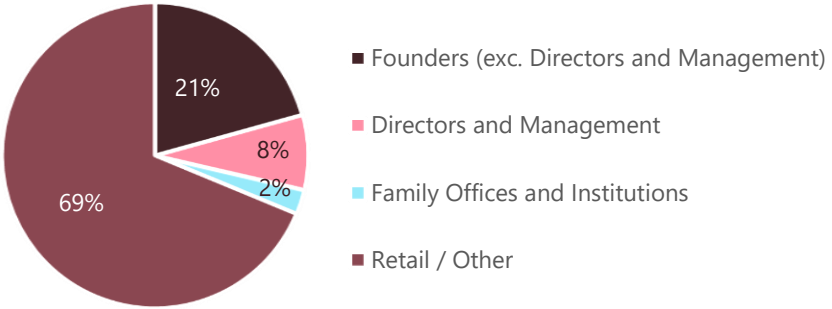
Mr Brett Hazelden
MANAGING DIRECTOR

Mr Piers Lewis
NON-EXECUTIVE CHAIRMAN

Dr Mitch Loan
NON-EXECUTIVE DIRECTOR

Dr Darren Holden
Geological Advisor

Register Detail



1. As at 31 October 2025
2. Cash balance as at 1 October 2025

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_6O_{11} (ppm)	Nd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_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	**I+I**	**682**	**1,338**	**64**	**226**	**3**	**14**	**307**	**22.9%**

Refer to ASX Announcement Mineral Resource Estimate Doubles

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.

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
1,000	**682**	**1338**	**913**	**307**	**22.9%**	**209**
1,200	394	1518	598	348	22.9%	137
1,400	226	1686	381	386	22.9%	87

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

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