



Exploring and developing rare earths projects in Australia

Plus, high-potential copper-gold exploration in NSW

Investor Presentation, July 2020 | Jeremy Robinson, Executive Director

 **ASX REE**

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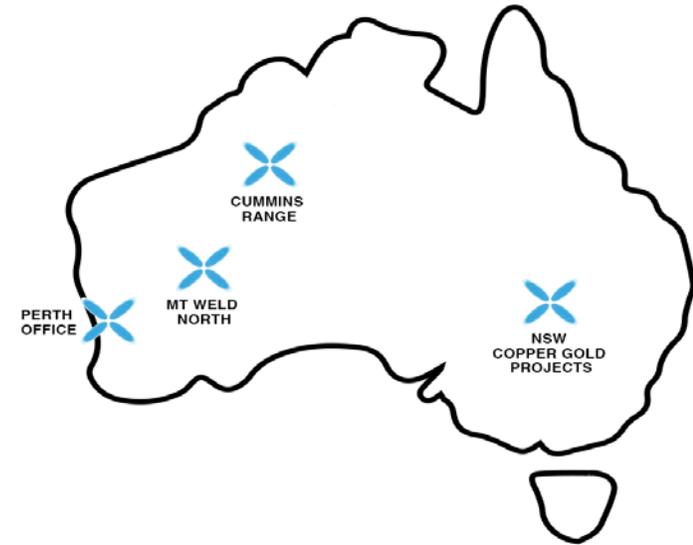
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Competent Person Statement: The information in this presentation relating to the Mineral Resource estimate for the Cummins Range Rare Earths Project is extracted from the Company’s ASX announcement entitled ‘*Globally Significant Maiden Resource of 13Mt at 1.13% TREO*’ as updated by the ASX announcement entitled ‘*Update to Mineral Resource Estimate Announcement*’, both released on 15 October 2019. REE confirms that it is not aware of any new information or data that materially affects the information included in the previous announcements and that all material assumptions and technical parameters underpinning the Mineral Resource estimate in the previous announcements continue to apply and have not materially changed.

This presentation has been authorised for release by the Board of RareX Limited.

Investment Overview

- **Strategically located asset:** 100%-owned Cummins Range Rare Earths Project in Western Australia – Tier-1 mining jurisdiction
- **Significant maiden JORC 2012 Rare Earths Mineral Resource:** Inferred Resource of 13Mt at 1.13% TREO
- **Rare Earths exploration and development strategy ready to go:** drilling underway
- **High-quality exposure to Lachlan Fold Belt exploration:** via 35% stake in Trundle Project with Kincora Copper (RareX owns 9.6% of Kincora)
- **Exciting drilling underway:** 3,800m diamond drilling program in progress at Trundle – six deep diamond drill-holes over three months
- **100%-owned gold project at Orange East:** 15km along strike from 2Moz McPhillamys Gold Project with strong geological similarities



A Rare Earth explorer and developer with significant exposure to copper-gold exploration in the world-class Lachlan Fold Belt of NSW



Corporate Snapshot



Capital Structure

ASX Code	REE
Share Price (27 July 2020)	\$0.066
Shares on Issue	356m
Market Capitalisation	\$23.5m
Net Cash	\$3.4m
Listed Investments (14.95m TSXV:KCC)	\$2.4m
Enterprise Value	\$17.7m

Board and Management

Chairman	John Young
Executive Director	Jeremy Robinson
Non-Executive Director	Shaun Hardcastle
Non-Executive Director	Cameron Henry
Exploration Manager	Guy Moulang
Consultant Metallurgist	Gavin Beer
Consultant Geophysicist	Jayson Meyers

Shareholders

Top 20 Shareholders	40%
Number of Shareholders	1,873

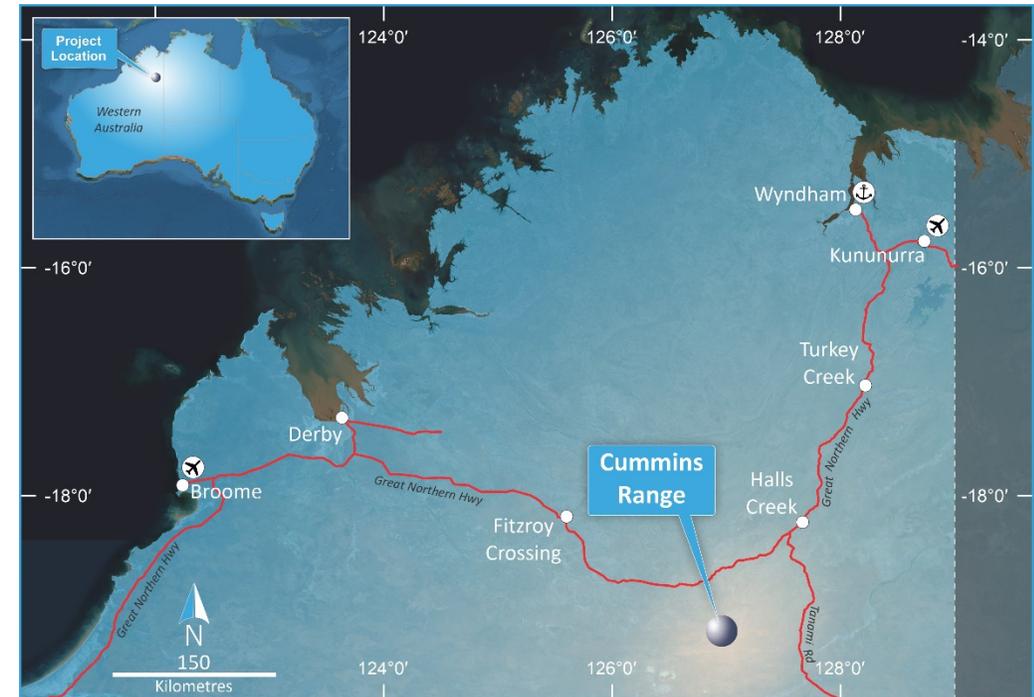


Cummins Range Rare Earths Project



- **Tier-1 mining jurisdiction:** Located in the Kimberley region of Western Australia
- **Airstrip and township nearby:** 130km from Halls Creek Township and Airstrip.
- **Good access:** Accessible via Great Northern Highway, Tanami Track and pastoral tracks.
- **Established mining district:** Located near Northern Minerals' Browns Range Rare Earth Mine and Pantoro's Nicholson's Gold Mine
- **Port Facilities:** Potential access to Wyndham and Darwin Ports

Advanced, high-quality Rare Earths Project located in a Tier-1 mining jurisdiction



Substantial JORC 2012 Resource

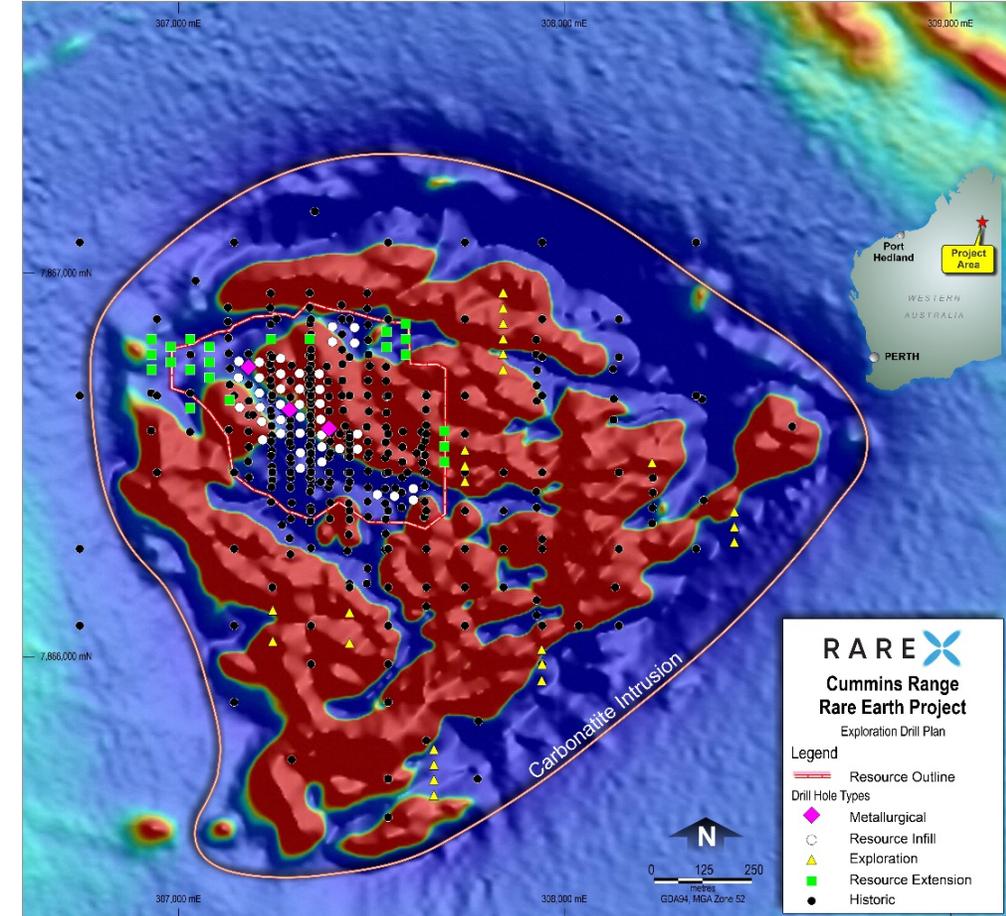
- Significant maiden JORC 2012 Inferred Resource of **13Mt at 1.13% TREO** released 15 October 2019
- Neodymium and Praseodymium “**NdPr**” **content of 22.1%** plus ultra low thorium of 50ppm ThO2 equals premium product
- **Weathered carbonatite** with REE mineralisation mostly hosted within laterite horizon (same at Mt Weld)
- **Deposit outcrops** and has dimensions amenable to **low strip ratio open pit mining**
- Existing Resource occupies a small portion of the **Cummins Range Intrusive Complex** – approximately 2km by 2km

Cummins Range Inferred Mineral JORC 2012 Resource		
Tonnes (Mt)	Grade (TREO)	TREO (kg)
13.0	1.13%	147,300,000



Exploration Plan

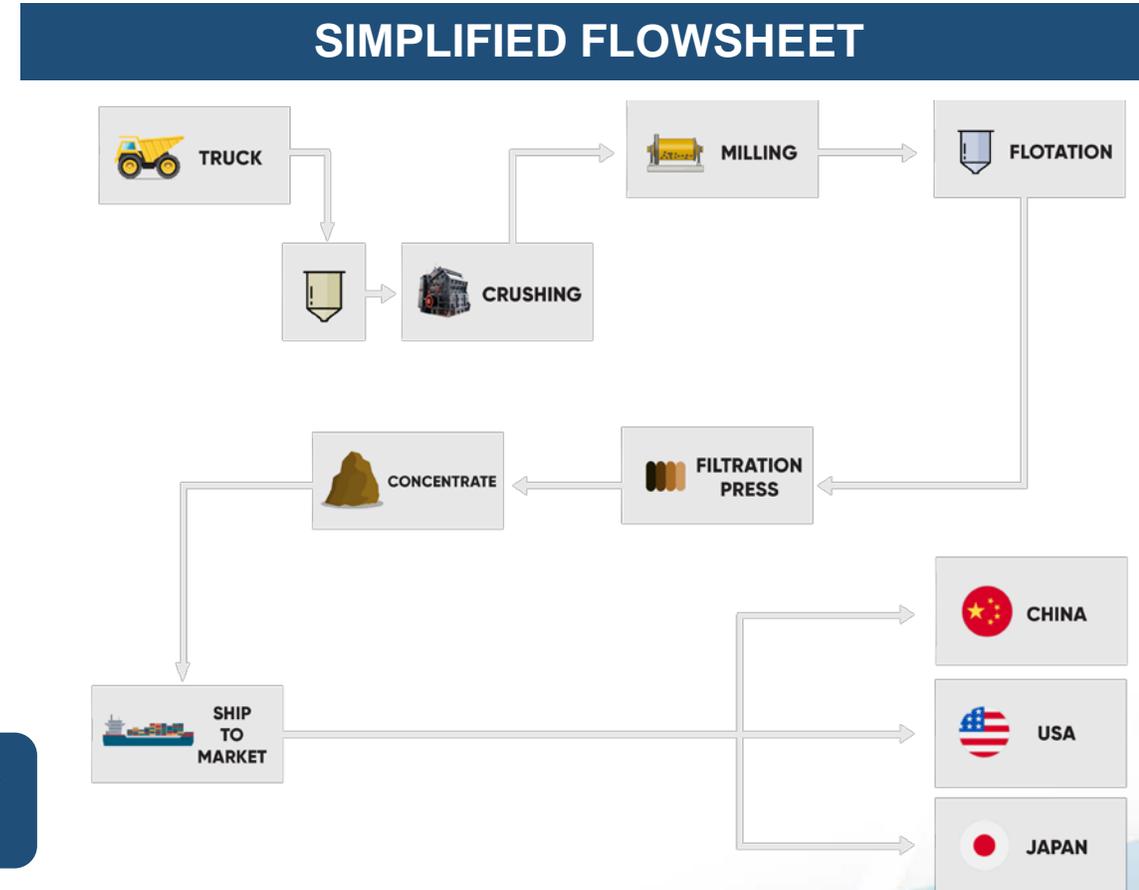
- **6,000m RC drilling program** was scheduled for April 2020 (prior to COVID-19), designed to:
 - 1. Convert higher grade portion of Resource from Inferred to Indicated
 - 2. Expand the Resource
 - 3. Collect samples for metallurgical testwork
 - 4. Make additional discoveries
- **Drilling has now commenced**



Low Capital Strategy

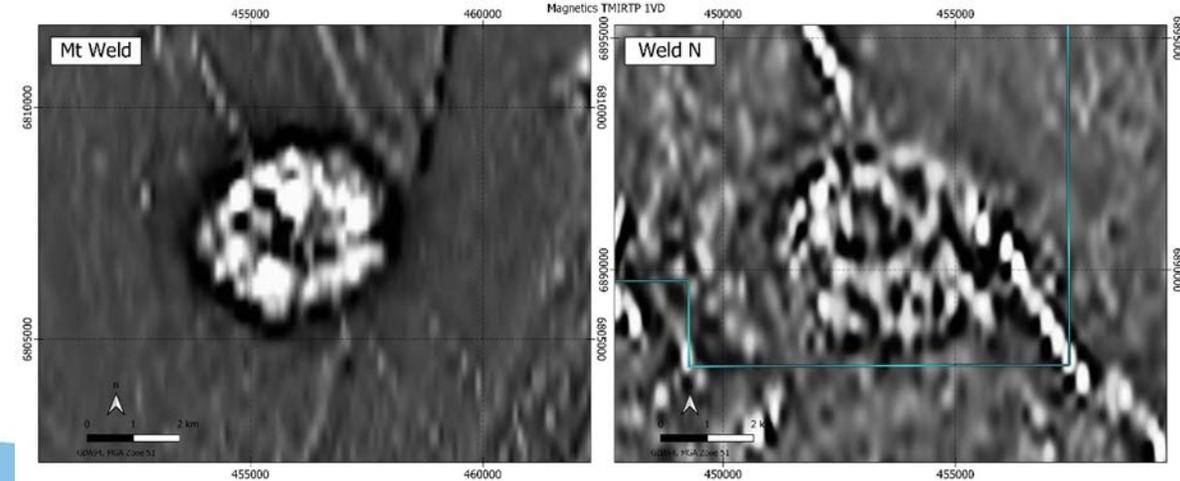
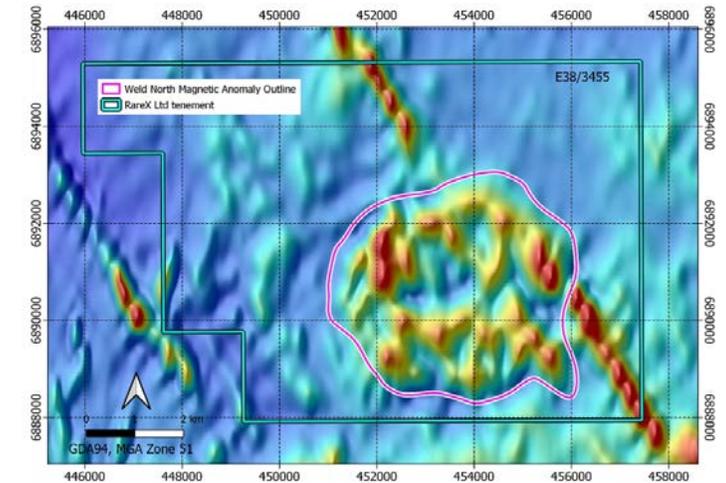
- Rare Earth mineralogy dominated by monazite – the most well-understood Rare Earth Mineral from a processing perspective
- RareX is working with industry experts to review test work and plan further optimisation to improve un-optimised concentrate grade and recoveries
- Strategy is to produce a saleable monazite concentrate to sell on an FOB / CIF basis to China – working with Talaxis Group (subsidiary of Noble Group)
- This approach will significantly reduce CAPEX

RareX has a low-CAPEX development strategy for Cummins Range, based on production of a monazite concentrate



Exploration – Weld North

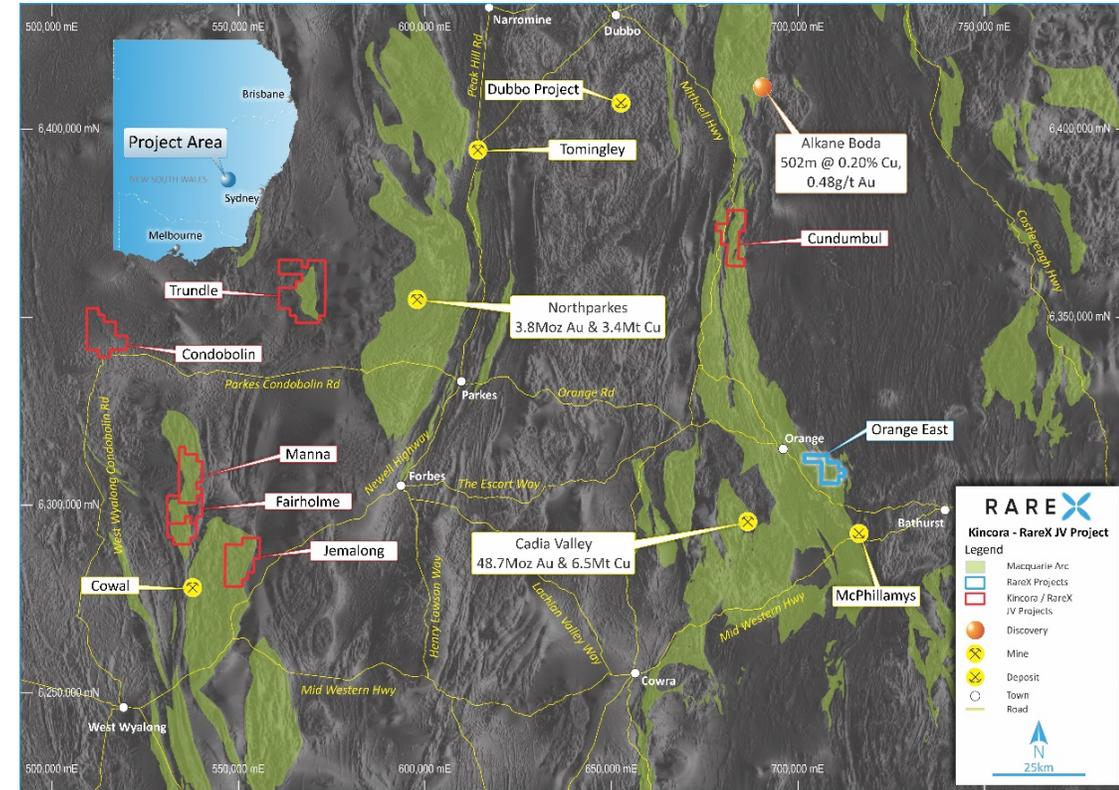
- RareX has recently been granted a tenement called Weld North, approximately 80km north of Mt Weld – aiming to drill following completion of the current program at Cummins Range
- Contains a 5km wide airborne magnetic circular anomaly which RareX considers to be prospective for being caused by an REE-bearing circular carbonatite intrusive complex
- Sits below regolith cover, which masks the buried bedrock source for this magnetic anomaly
- Part of greenfields exploration strategy to discover another world-class rare-earth carbonatite deposit in Australia



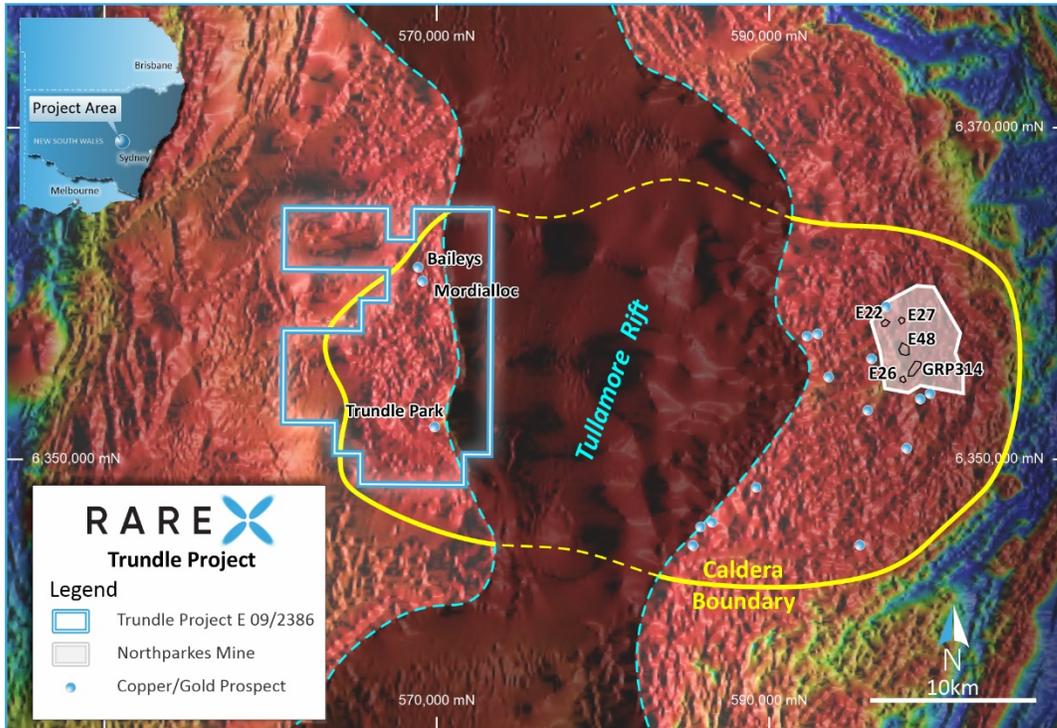
NSW Copper-Gold Assets



- RareX recently sold a 65% interest in its NSW copper-gold assets to TSXV-listed Kincora Copper (KCC)
- RareX retains a 35% free-carried interest and owns 9.6% of Kincora Copper's listed equity
- Kincora has commenced a fully-funded 3,800m drill program comprising six deep holes
- Kincora's flagship project is the Trundle Project (35% RareX), the only brownfields porphyry project in the Lachlan Fold held by a listed junior
- Kincora exploration led by John Holliday, principal discoverer of the world-class Cadia deposit
- RareX recently retained 100% ownership of Orange East Project



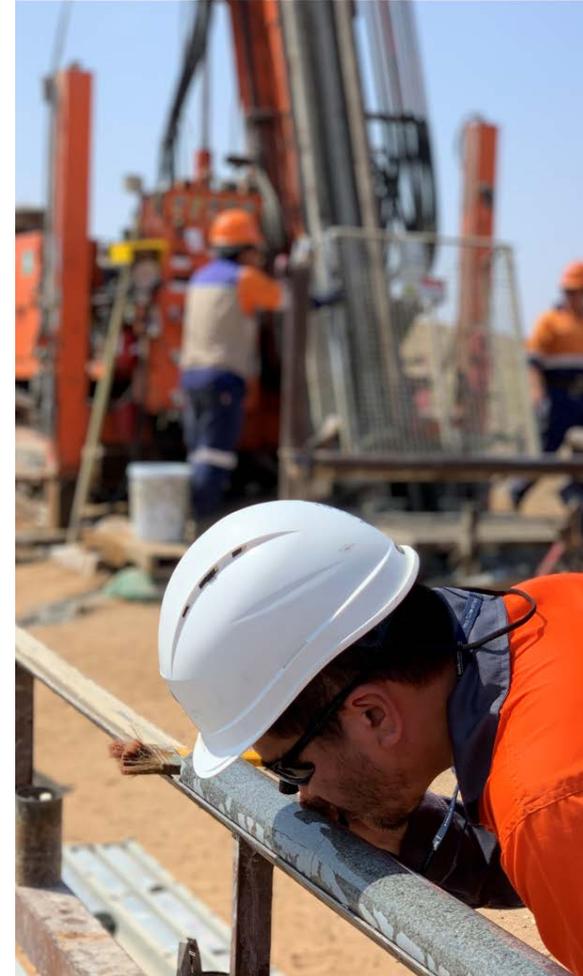
Trundle Project – 35% Free-Carried



- The only brownfields porphyry project held by listed juniors in the Macquarie Arc
- Trundle is in the western section of the Northparkes intrusive complex, which hosts the second largest porphyry mine in Australia
- Extensive near-surface porphyry and skarn-style gold and copper mineralisation associated with several Ordovician intrusive centres
- Confirmed similar geological settings/controls to Cadia and Northparkes, Australia's largest and second largest porphyry mines respectively
- Exploration program seeking to discover a cluster of new porphyry deposits

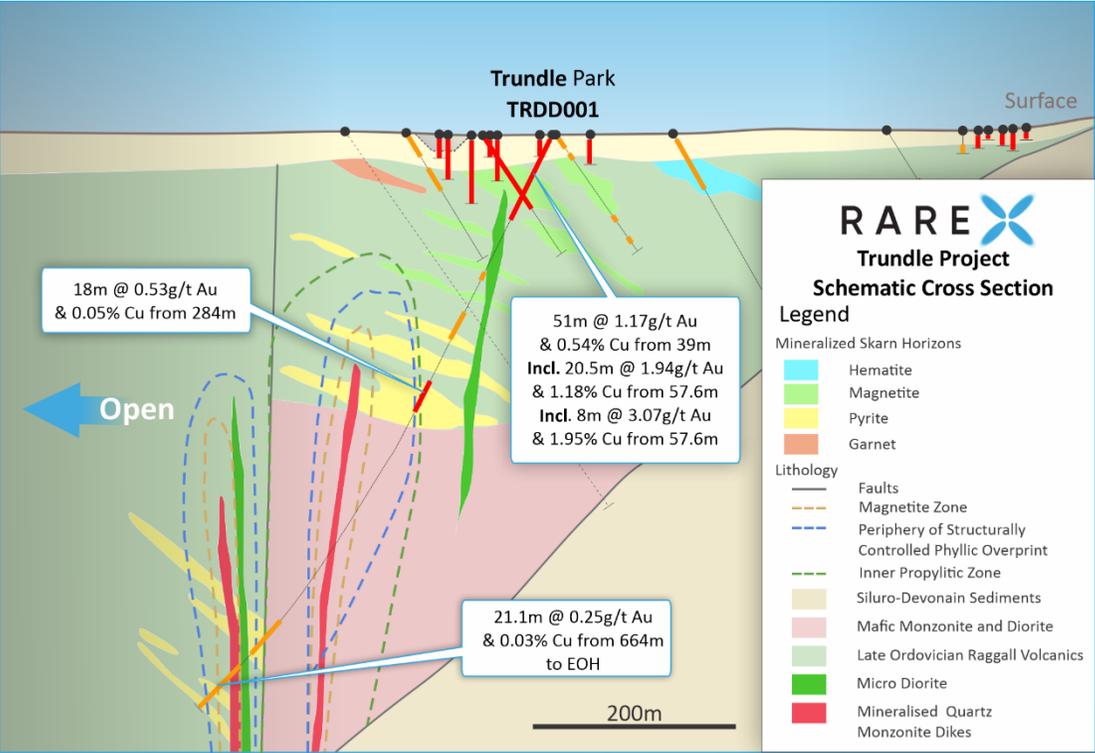
Trundle Project – 35% Free-Carried

- Exploration program being driven by highly experienced team at Kincora Copper, led by John Holliday
- Stage 1 drilling targeting three initial areas currently underway:
 - Trundle Park – 2 of 2 holes completed
 - Mordialloc – 2 holes being extended
 - Baileys – 1st hole completed
- Assays received for 1st holes at both Trundle Park and Mordialloc
- Stage 1 drilling continuing for next few months
- Stage 2 follow-up drilling expected following results from Stage 1



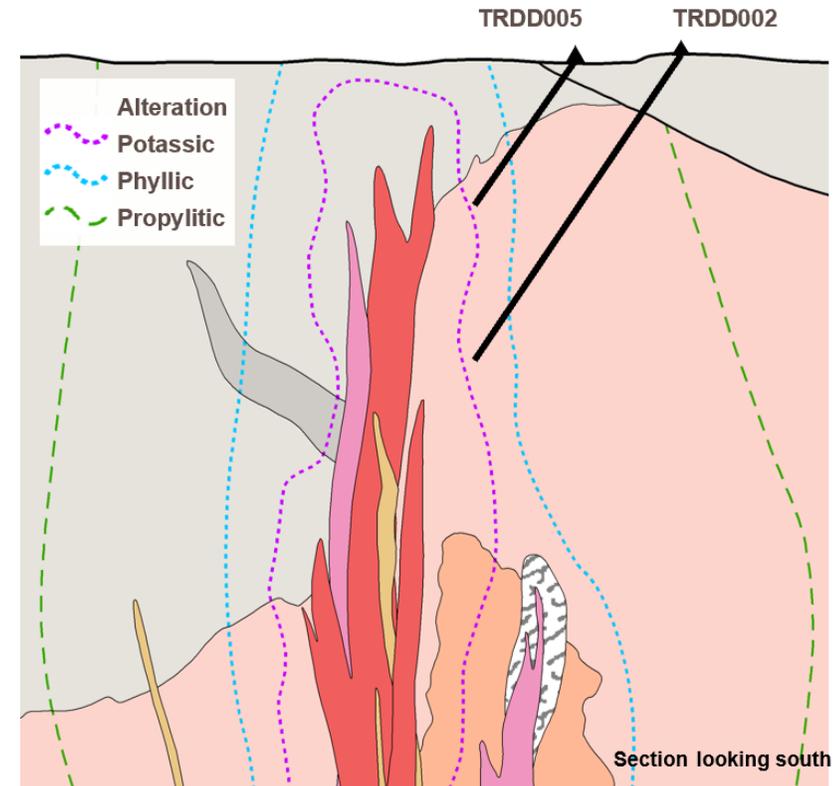
Trundle Project – Trundle Park Target

- **51m at 1.17g/t gold and 0.54% copper** from 39m in skarn at Trundle Park
- Similar in style to the Big Cadia skarn that is peripheral to the Cadia porphyry copper-gold deposits
- Highly encouraging **21.5m at 0.25g/t gold and 0.03% copper** to EOH in lower porphyry zone



Trundle Project – Mordialloc Target

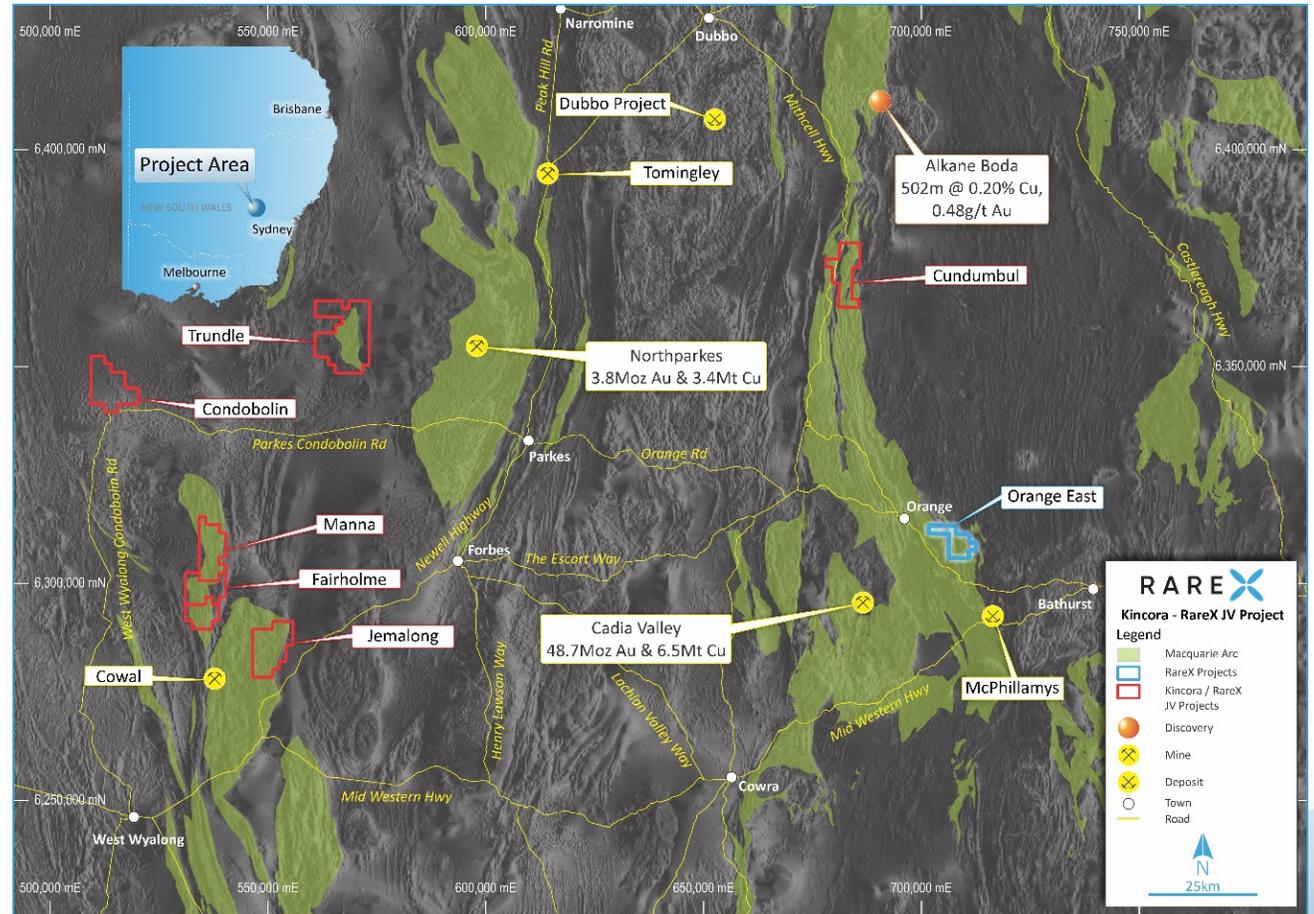
- First drill hole (TRDD002) delivered anomalous gold, copper and molybdenum assays to the bottom of the hole
- Second drill hole (TRDD005) also encountered visually encouraging mineralisation
- Assay results, independent and internal expert geological assessment support strong halo indicators of a mineralized porphyry intrusion system
- Drilling re-commencing this week to extend both holes targeting the interpreted higher grade potassic zone – **the core of the porphyry system**



Lithology	
	Synmineralization QMP
	Early & late mineralisation QMP
	Hydrothermal breccia
	Quartz monzonite
	Zero monzonite porphyry
	Diorite sill
	Volcanoclastic
	Intrusive

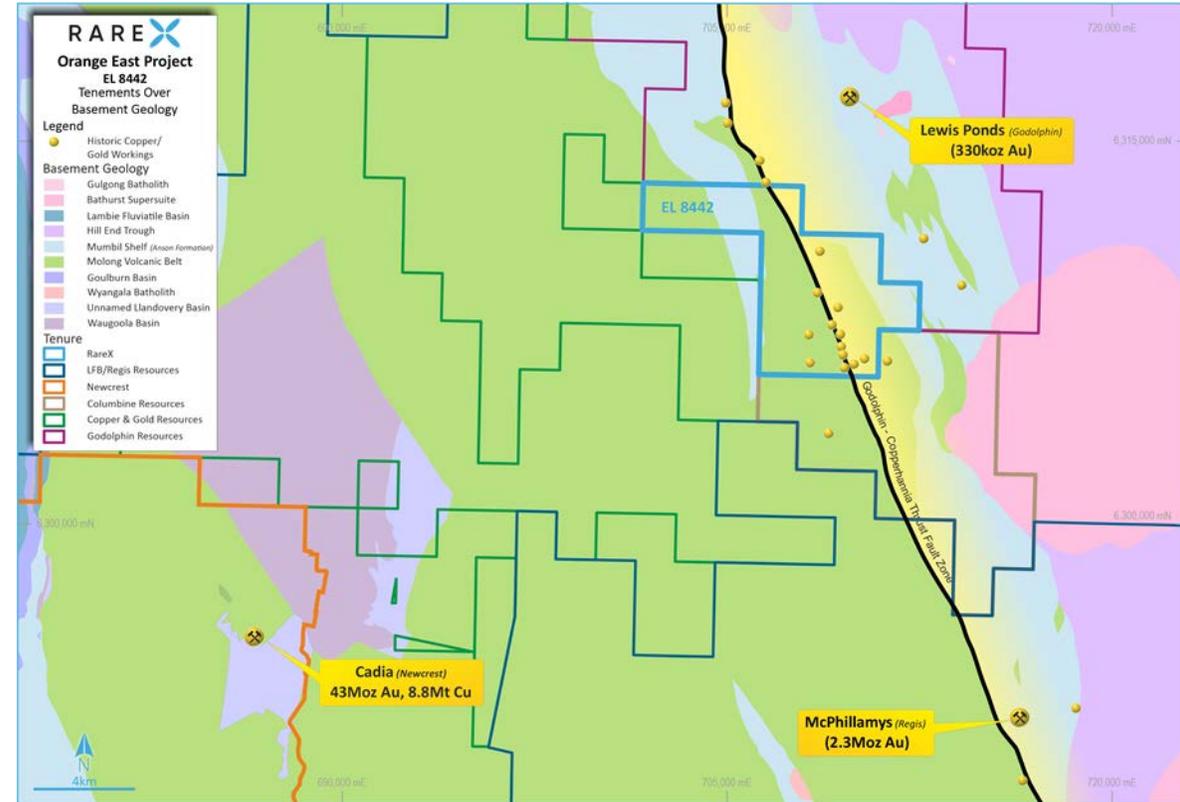
Other Free-Carried NSW Projects

- Fairholme and Jemalong, located near Evolution’s Cowal Gold Mine – highly prospective for new undercover discoveries
- Condobolin – Prospective for VHMS style Base Metal and Gold Deposits
- Cundumbul – located south of exciting new Boda Discovery



Orange East – 100% Owned

- Located ~15km along strike from Regis Resources' 2Moz McPhillamys Gold Deposit
- Strong geological and geochemical similarities to McPhillamys including:
 - ✓ Both hosted in the Silurian volcanoclastic rocks of the Anson Formation adjacent to the GCFZ
 - ✓ Both have coincident Au-As-Ba-Bi-Pb-Cu-Mo-Te surface anomalies, with the Gunnarbee geochemical anomaly extending over an area ~1,000m north-south by 200m east-west
 - ✓ Both have K radiometric high anomalies
- Gunnarbee Prospect never drilled



Currently reviewing project data before planning next steps

Key Investment Takeaways

- ✓ **High-quality, advanced Rare Earth Project in WA**
- ✓ **Clear development strategy and drill program underway**
- ✓ **Building a portfolio of high-quality Rare Earth assets**
- ✓ **Significant exposure to NSW porphyry copper-gold exploration**
- ✓ **100%-owned NSW gold exploration project in Tier-1 address**

With a \$23.5m market capitalisation, strongly leveraged to exploration success and growth on two fronts





Appendices

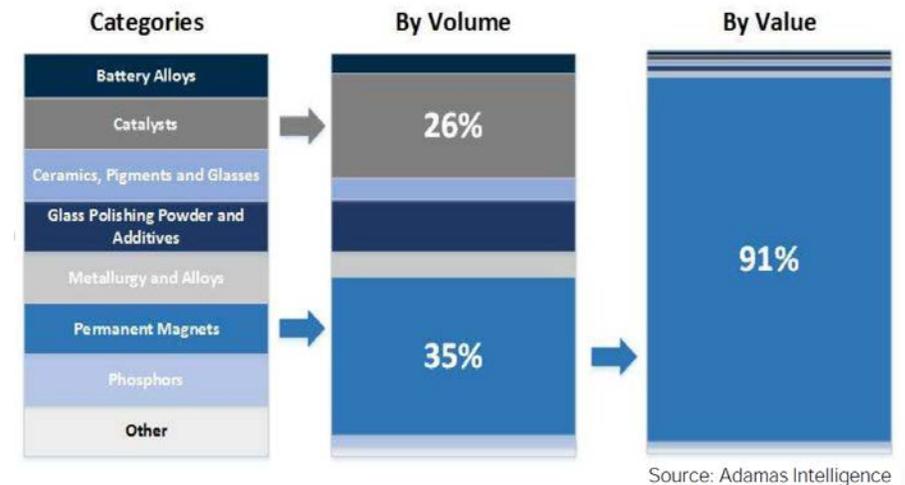
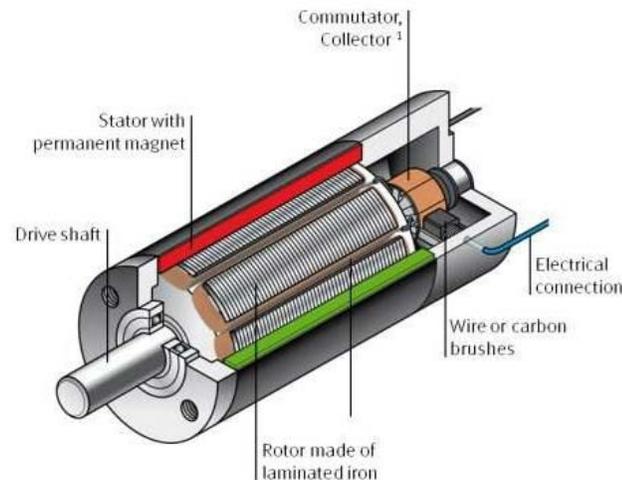
Investor Presentation, June 2020 | Jeremy Robinson, Executive Director

The ASX REE logo, featuring a circular icon with a stylized 'R' and 'E' inside, followed by the text "ASX REE" in a bold, black, sans-serif font.

ASX REE

Rare Earths

- Rare Earths are a group of 17 elements essential to the new world economy – grouped in to Light Rare Earth Elements (**LREE**) and Heavy Rare Earth Elements (**HREE**)
- RareX is focused on the production of LREE's Neodymium-Praseodymium (**NdPr**) which are critical to the manufacture of Neodymium-Iron-Boron (**NdFeB**) Rare Earth Permanent Magnets (**REPM**) which contain approximately 32% NdPr.



Rare Earth Permanent Magnets (REPMs)

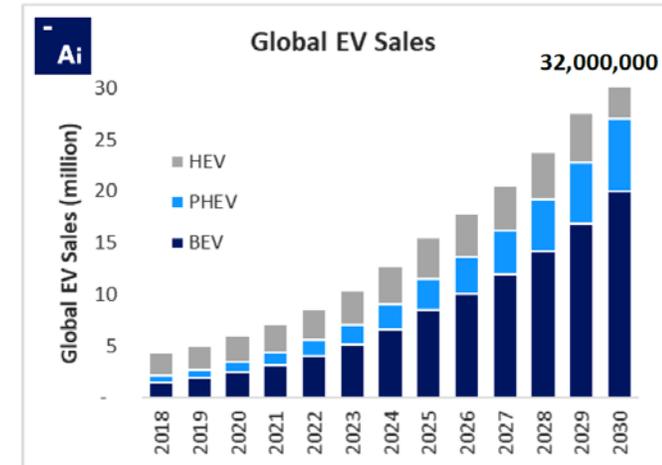


Electric Vehicles

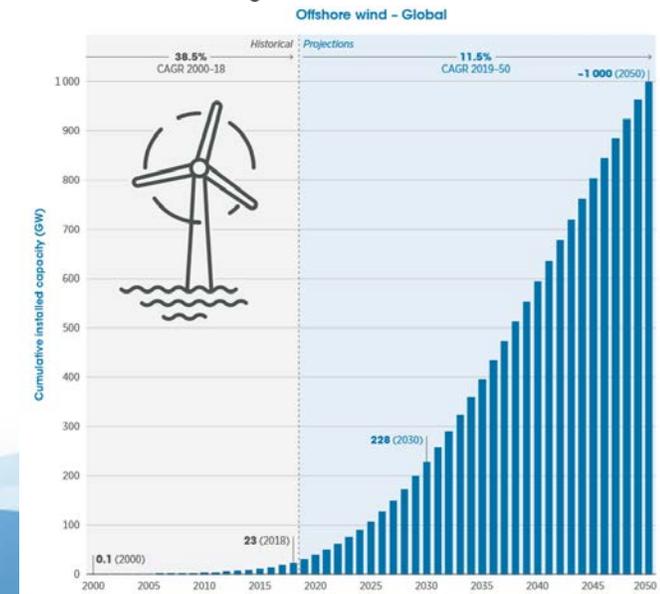
- Whatever the type of EV (BEV, HEV PHEV) or the power source (Li Batteries, H Fuel Cells etc) they all use REPM motors.
- Each EV requires approximately 1kg to 2kg of REPM which is used in rare earth magnets forming part of an EVs electric motors. EVs expected to grow from 3m to 35m by 2030.

Wind Turbines

- Wind power and Solar power set to dominate the renewable energy economy as cost effective mass deployable technologies.
- Wind power historically dominated by onshore capacity now increasingly moving to offshore capacity as turbines become larger and more efficient. Offshore has greater use of REPM's compared to onshore.
- Each MW of direct drive REPM wind turbine capacity contains 600kg of REPM containing 200kg of NdPr.



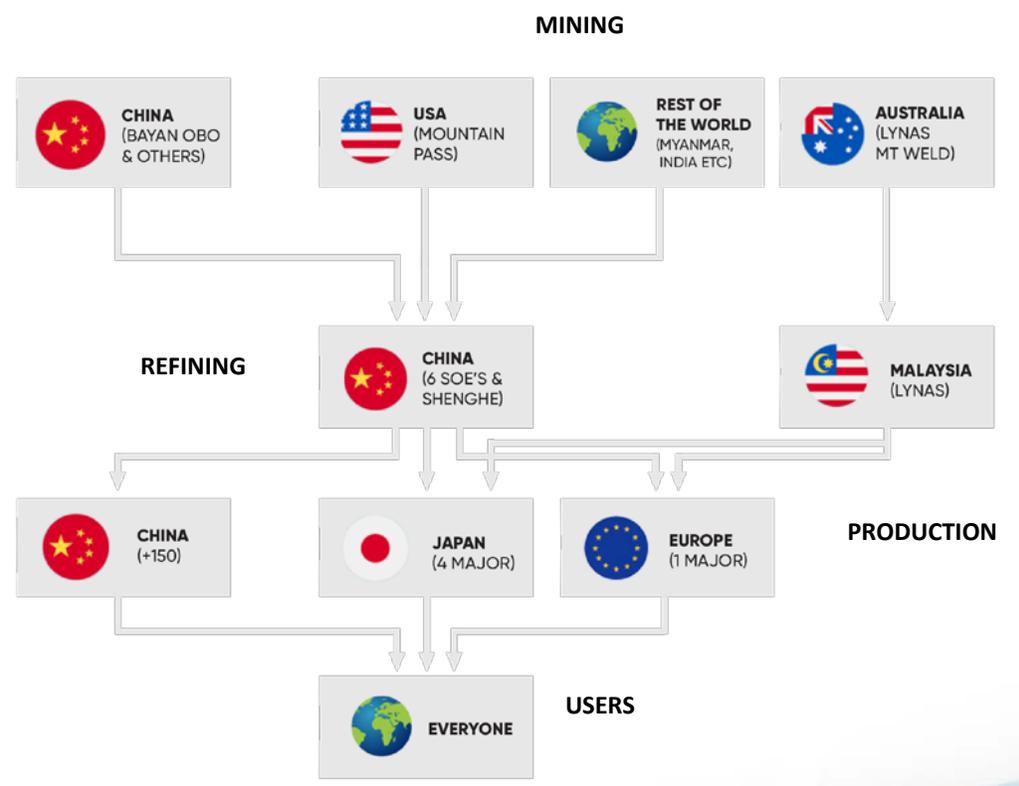
Source: Adamas Intelligence

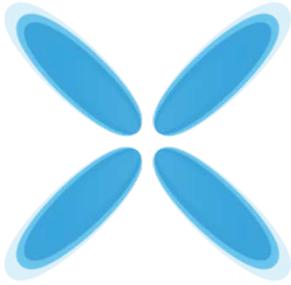


Rare Earths Market

- China dominates production of rare earths and rare earth magnets accounting for 80% of global production representing a strategic weakness for the United States of America.
- China has recently become significant importer of Rare Earths concentrates for processing – In 2019 China supply dropped to only 61% (essentially 100% 2015) following ongoing crackdown on illegal supply.
- Rare earth prices extremely sensitive to trade disputes such as in 2011 when NdPr traded above US\$280/kg (600% above current prices).

SIMPLIFIED RARE EARTH SUPPLY CHAIN



RARE 

 **ASX REE**