



Super-charging our rare earths growth strategy in 2021

New partners and new opportunities at a time of rising REE prices

Investor Presentation, March 2021 | Jeremy Robinson, Managing Director



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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 announcement has been authorised for release by the Managing Director of the Company. For further information, please contact the Managing Director on 08 6143 6720.

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 with 22.1% NdPr
- First Assays received up to **70m at 5.4% TREO and 0.64% Nb₂O₅**
- **Landmark MoU executed with Shenghe Resources**
- **Rare Earths Prices up strongly in recent months**
- **High-quality exposure to Lachlan Fold Belt exploration:** via 35% stake in Trundle Project with Kincora Copper (RareX owns 7.8% of Kincora)



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 (26 th February 2021)	\$0.12
Shares on Issue	433m
Market Capitalisation	\$52.0m
Net Cash	\$5.5m
Listed Investments (TSX-V: KCC and TSX-V: LL)	\$5.5m
Enterprise Value	\$41.0m

Board and Management

Chairman	John Young
Managing 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

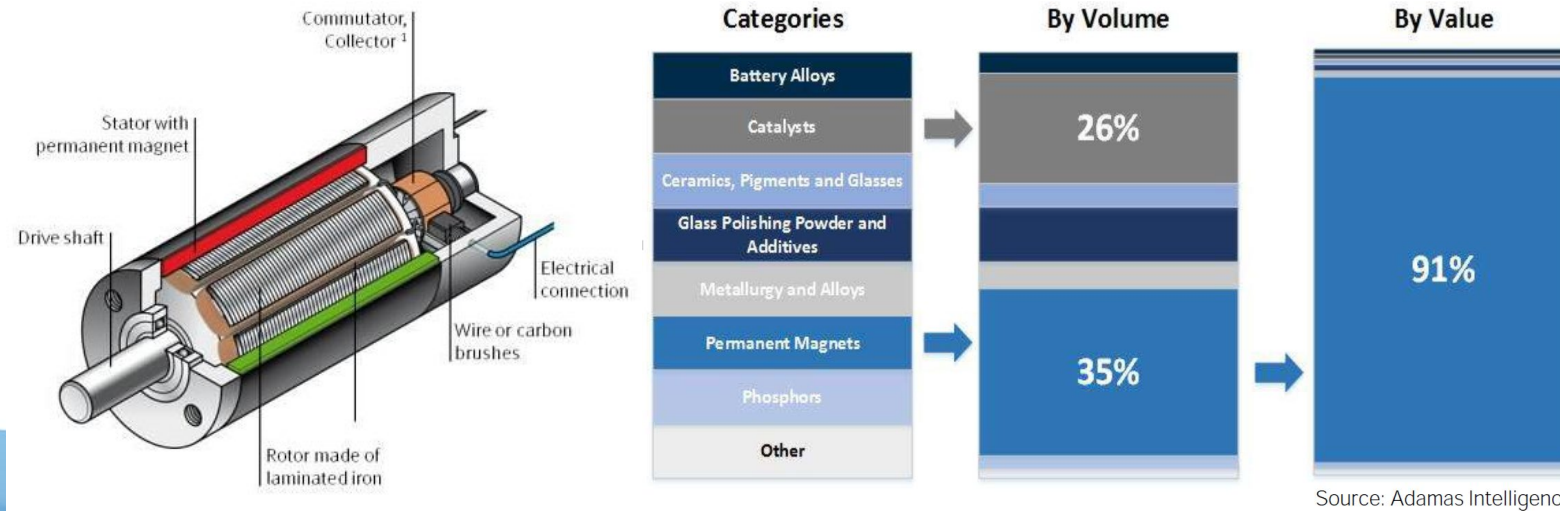
Top 40 Shareholders	~40%
Number of Shareholders	~5,200
Substantial Shareholder	Simon Lee AO (5.8%)

Share Price



Rare Earth Elements

- Rare Earths are a group of 17 elements essential to the new world economy – grouped into Light Rare Earth Elements (**LREE**) and Heavy Rare Earth Elements (**HREE**) plus Yttrium and Scandium
- 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 form part of an EV's electric motor. EV sales are expected to grow from 3m to 32m by 2030.

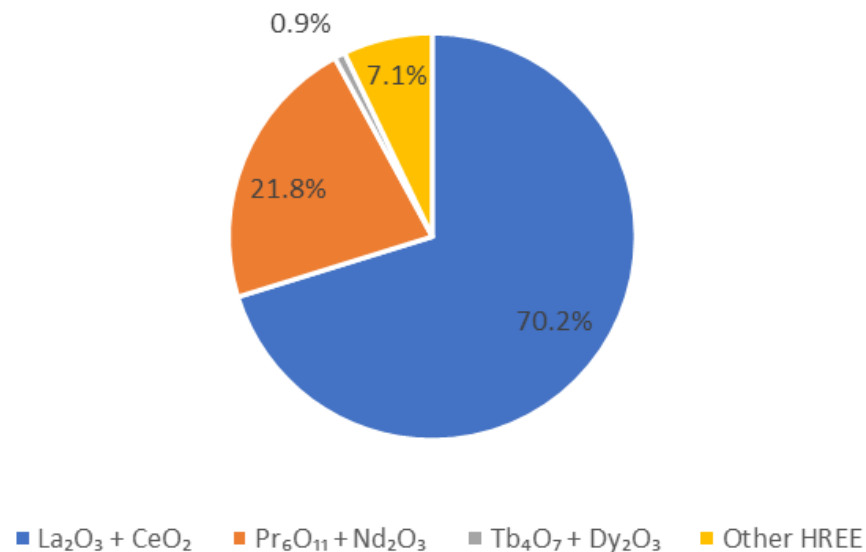
Wind Turbines

- 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.

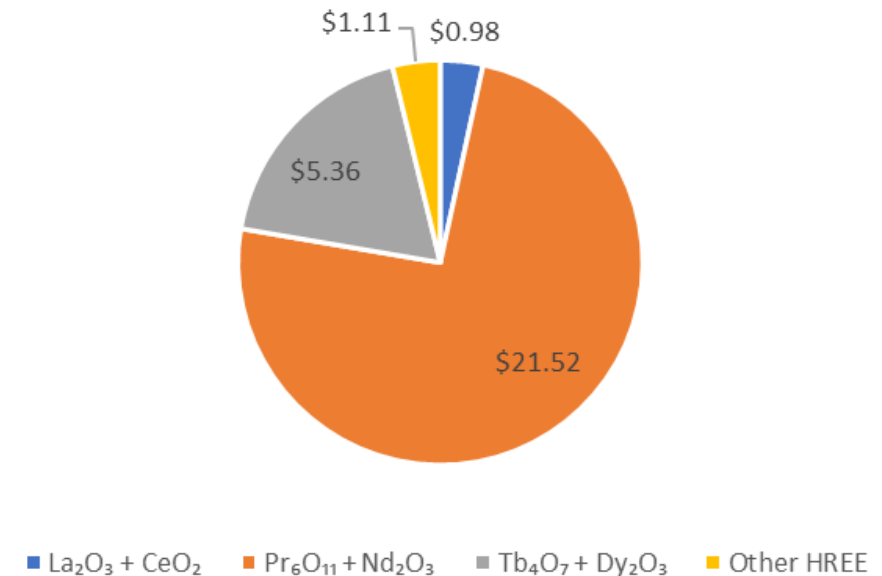
Rare Earths Prices on the rise

- Magnet Metals Neodymium (Nd) Praseodymium (Pr), Dysprosium (Dy) and Terbium (Tb) Prices have risen sharply over past 3 months – These represent 93% of Basket Price for Cummins Range ore
- Cummins Range Basket Price currently ~US\$29/kg based on rare earth oxide prices on 26th February 2021

Rare Earth Department JORC 2012 Resource



Cummins Range Basket Price US\$kg

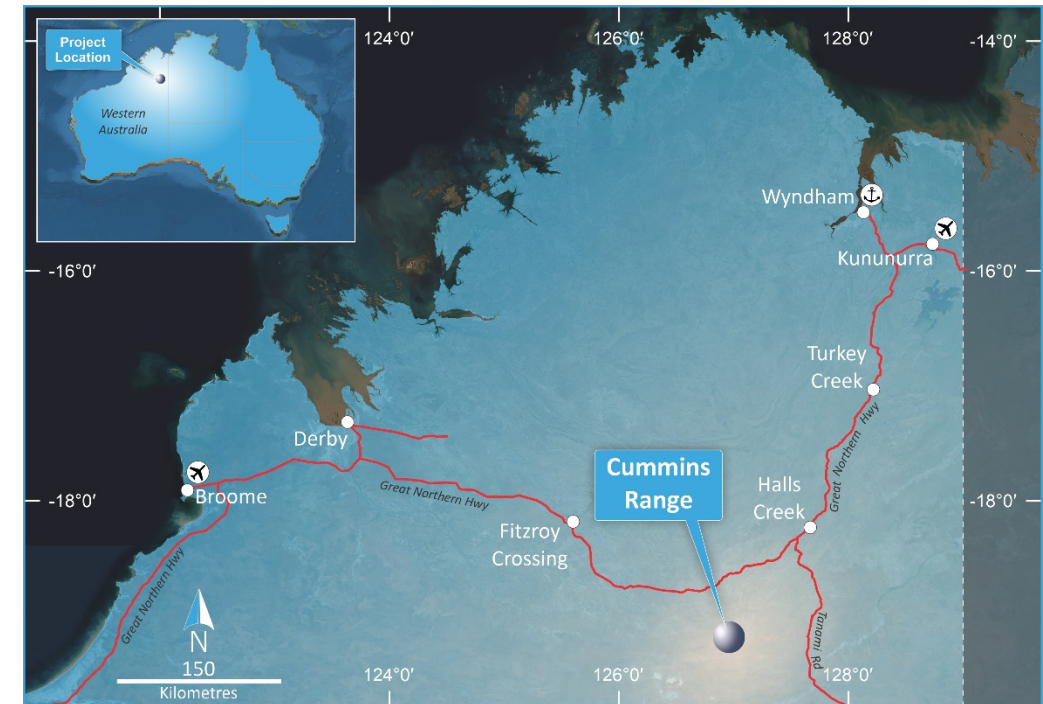


Cummins Range Rare Earths Project



- **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



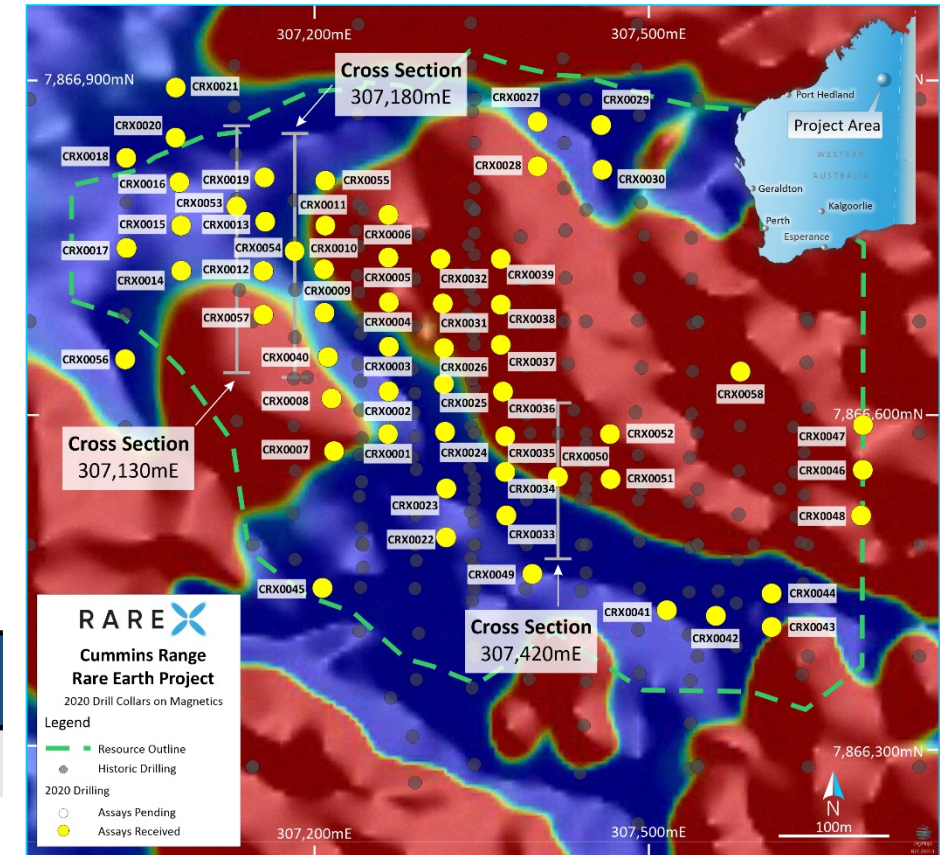
Recently Completed Drill Program



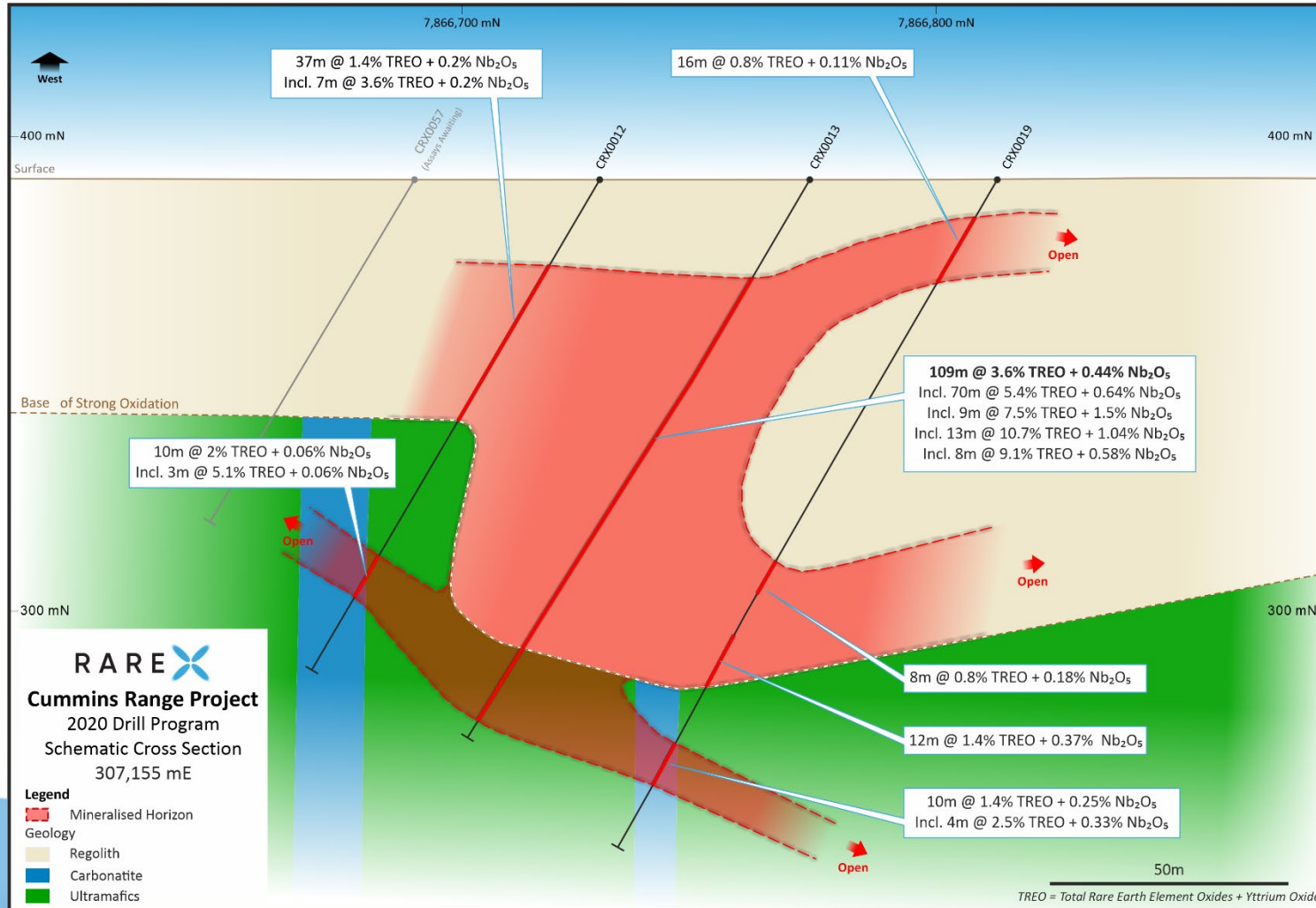
- **Recently completed 6,143m of drilling**
- Neodymium and Praseodymium “**NdPr**” **content of 22.1%** and ultra low thorium of 50ppm ThO₂ equals premium product
- **Weathered carbonatite** with REE mineralisation mostly hosted within laterite horizon (same at Mt Weld)
- **Deposit outcrops** and has dimensions amenable to **low strip ratio open pit mining**

Cummins Range Inferred Mineral JORC 2012 Resource

Tonnes (Mt)	Grade (TREO)	TREO (kg)
13.0	1.13%	147,300,000



Recent High Grade Drill Results



- Spectacular recent results from 2020 drill program include
- **109m at 3.6% TREO and 0.44% Nb₂O₅**
- **90m at 3.8% TREO and 0.29% Nb₂O₅**
- **41m at 4.0% TREO and 0.21% Nb₂O₅**
- Highlights high grade NW trending channel

Plans for 2021



- Resource upgrade currently underway
- Metallurgical test work currently
- Drill planning underway – drilling expected late March early April
 - Both Diamond and RC to extend laterally and at depth
- Stakeholder meetings ahead of Mining lease application

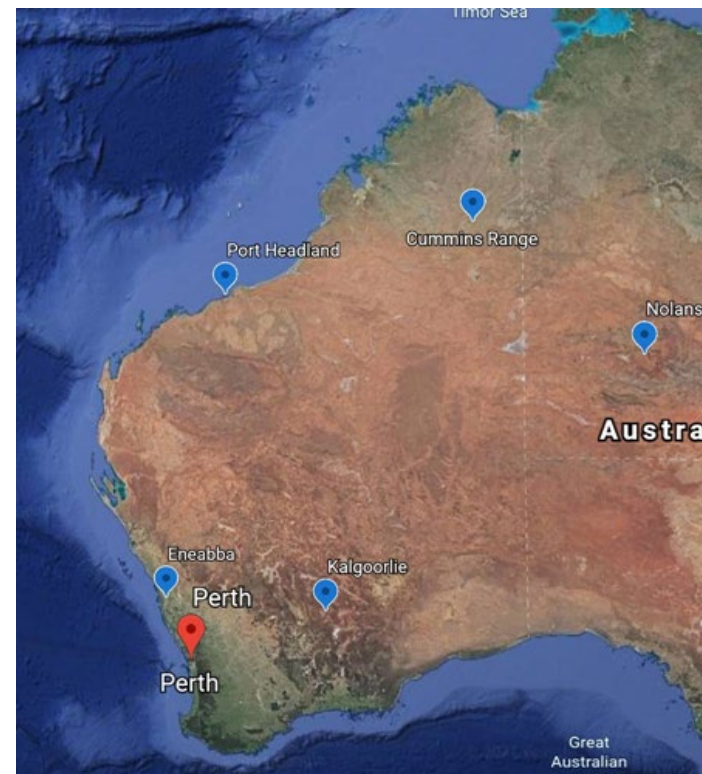


Low Capital Strategy

- Rare Earth mineralogy dominated by monazite – the most well understood Rare Earth Mineral from a processing perspective
- **RareX consulting metallurgist Mr Gavin Beer to lead metallurgical testwork on completion of final assays**
- Strategy is to produce a saleable monazite concentrate to sell to new Australian refineries and existing capacity in SE Asia and China
- **This approach will significantly reduce CAPEX**

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

PROPOSED AUSTRALIAN REFINERIES



- Kalgoorlie – Lynas Rare Earths Limited
- Eneabba – Iluka Resources Limited
- Port Headland – Hasting Limited
- Nolan's Bore – Arafura resources Limited

All these proposed facilities will process Monazite feedstock

MoU with Shenghe Resources



- Shenghe Resources Holdings Co is a vertically integrated US\$4.6Bn global rare earths producer
- Non-Binding MoU executed with Global Rare Earths Producer Shenghe Resources on 4th February 2021
- Establishes framework for the formation of a jointly owned Rare Earths Trading Company sourcing rare earths concentrates globally (ex-China)
- Potential for Shenghe investment in RareX's flagship Cummins Range Rare Earths Project
- Potential for joint investment by RareX and Shenghe in existing and proposed rare earths refineries located outside of China

Shenghe Ressources Holding Co

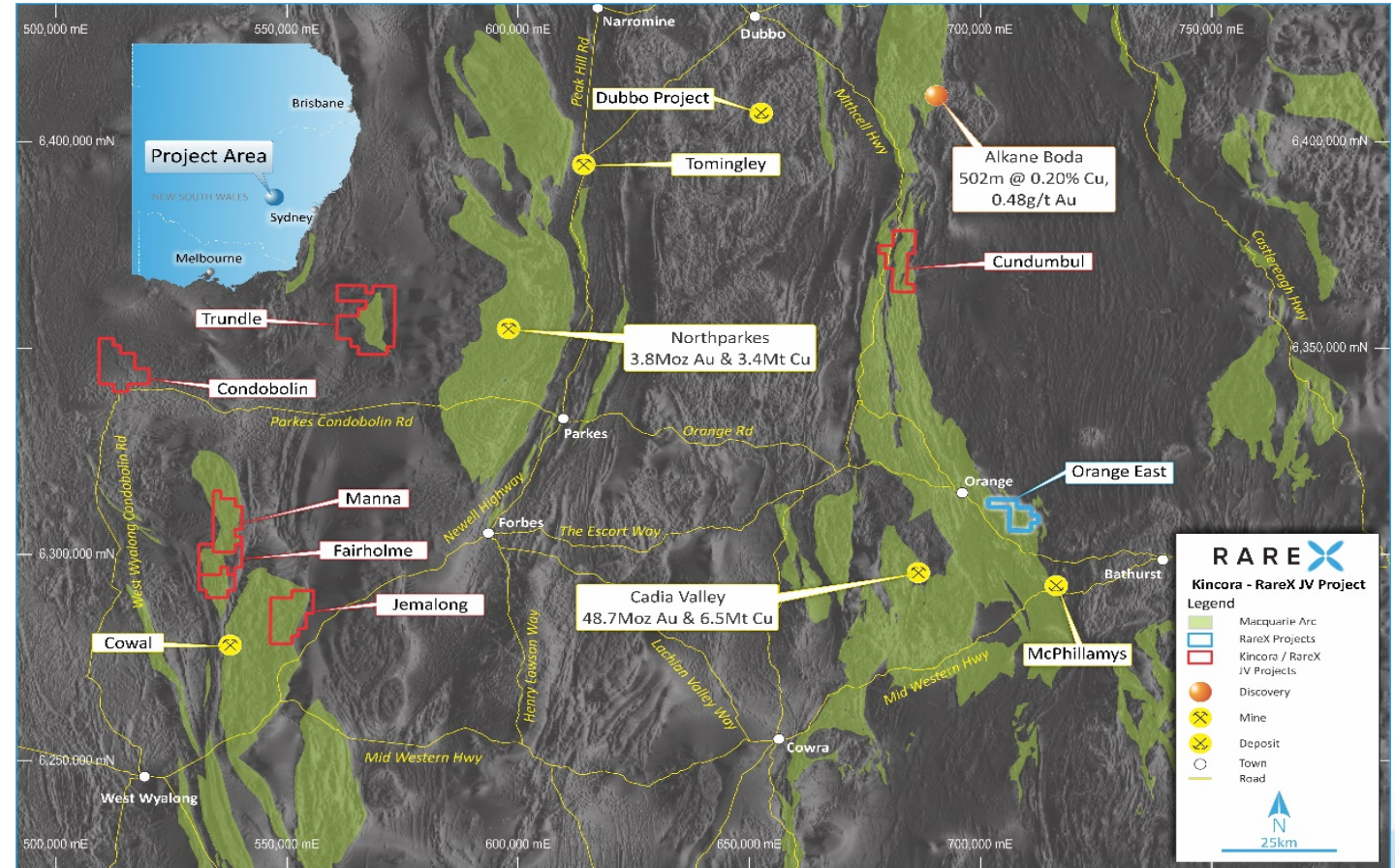


- Shenghe Resources Holdings Co is a vertically integrated US\$4.6Bn global rare earths producer
- Listed on Shanghai Stock Exchange (600392)
- Leading producer of rare earths, zirconium and titanium
- Shenghe maintains significant global investments
 - 8% in MP Materials (NYSE: MP) – Market Capitalisation US\$7.9b
 - 9.6% in Greenland Minerals (ASX: GGG) – Market Capitalisation of A\$210m
- Shenghe are a major supplier of Apple Inc

NSW Copper-Gold Assets



- **RareX retains a 35% free-carried interest** over multiple projects and owns 7.8% of TSX:V-listed Kincora Copper
- Kincora currently focussing on Trundle Project with 2 diamond drill rigs
- **About to List on ASX with A\$8-10m raise**
- Kincora exploration led by **John Holliday, principal discoverer of the world-class Cadia deposit**
- RareX recently retained **100% ownership of Orange East Project**



Key Investment Takeaways

- ✓ **High-quality, advanced Rare Earth Project in WA**
- ✓ **Recently completed major drilling program with significant assays**
- ✓ **Significant Global partner in Shenghe Resources**
- ✓ **Rare Earths prices rising strongly**
- ✓ **100%-owned NSW gold exploration project in Tier-1 address**

With a \$50.0m market capitalisation, strongly leveraged to exploration success and growth on two fronts



RARE 

 **ASX REE**