

ersonal use only

Growing Cummins Range Rare Earths Project

Boom in a Room

October 2021

ASX | REE

rarex.com.au

RARE 

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Corporate Snapshot



Capital Structure

ASX Code	REE
OTCQB Code	REEEF
Share Price (14 th October 2021)	\$0.10
Shares on Issue	452m
Market Capitalisation	\$45.2m
Cash and Investments	\$5.5m
Enterprise Value	\$39.7m

Board and Management

Chairman	John Young
Managing Director	Jeremy Robinson
Non-Executive Director	Shaun Hardcastle
Non-Executive Director	Cameron Henry
Exploration Manager	Guy Moulang
General Manager Projects	James Durrant
Company Secretary	Oonagh Malone

Shareholders

Top 40 Shareholders	~40%
Number of Shareholders	~5,200
Substantial Shareholder	Simon Lee AO (6.5%)



Investment Overview



- **Strategically located asset:** 100% owned Cummins Range Rare Earths Project in Western Australia – Tier-1 mining jurisdiction
- **Substantial resource:** 18.8mt at 1.15% TREO + 0.14% Nb₂O₅, including 6.5mt at 1.98% TREO + 0.21% Nb₂O₅
- **Exploration recommenced:** Exploration has recently recommenced confirming high grade extensions at depth and along strike
- **Rare Earths prices increased strongly this year** due to strong demand growth in green-energy industry, global trade tensions
- **Cosmos Exploration Limited (C1X):** Listing soon

Highly leveraged to the booming global rare earths sector, with a quality asset in a Tier-1 location, Tier-1 partners and a clear growth strategy



Rare Earths and Niobium – a massive growth opportunity



Niobium and Rare Earth Elements share common end uses undergoing massive growth through the technology revolution, with Niobium backed up by the ever increasing growth in steel alloys

End Market Applications



Electric Vehicle motors

Passenger, commercial. Electric trains and other transportation. Approx. 1kg NdPr per EV1



Consumer electronics and appliances

Smart speakers, computer speakers, headphones, fridges, air conditioners.



Automotive parts and sensors

Micromotors, sensors, speakers

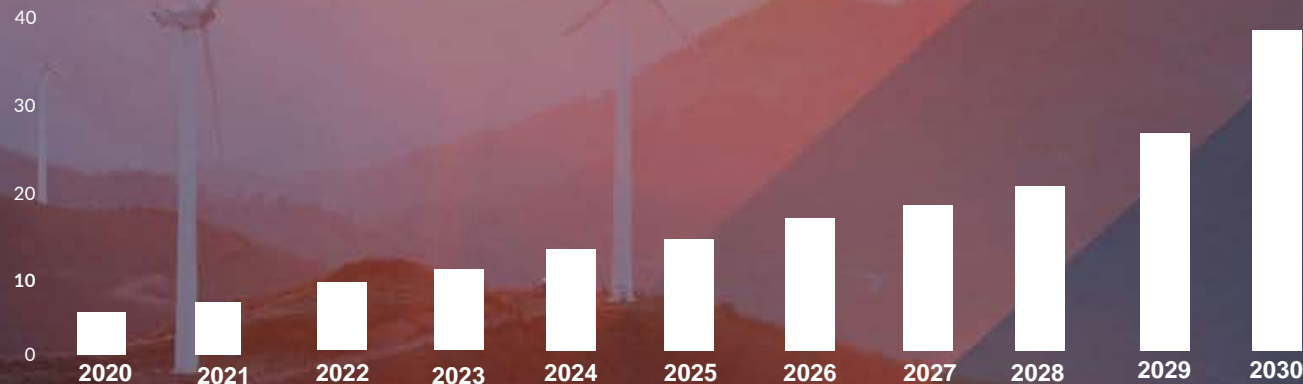


Wind generation

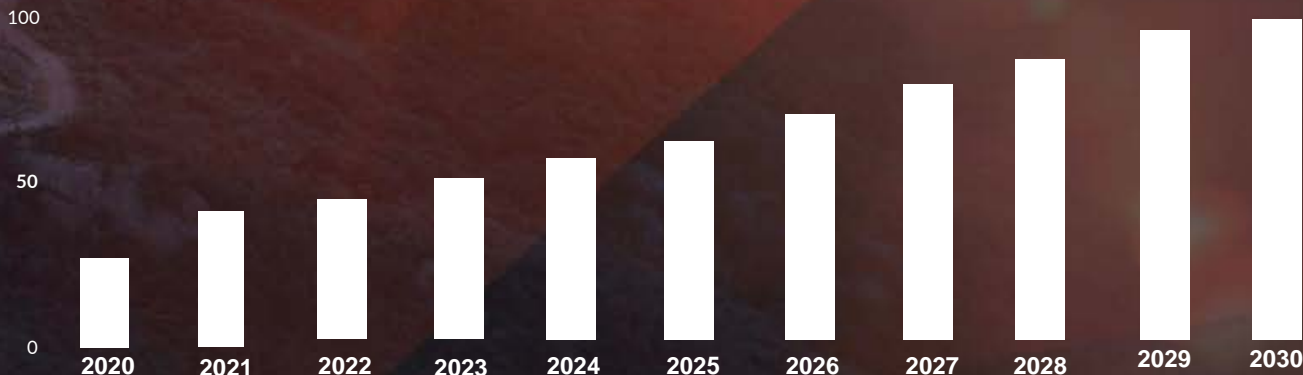
Electric motors
At least 150kg per MWs

Global End Market Growth

Forecast Passenger EV Sales (m)



Forecast Wind Power Installation (GW)



Rare Earths Prices on the Rise

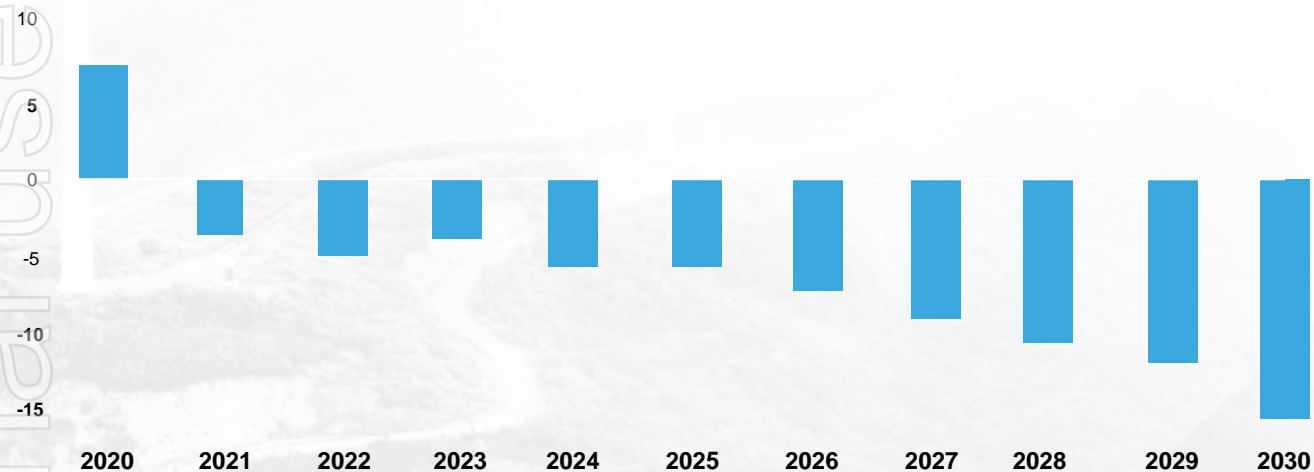


Magnet Metals – Neodymium (Nd) Praseodymium (Pr), Dysprosium (Dy) and Terbium (Tb) Prices have risen sharply this year.



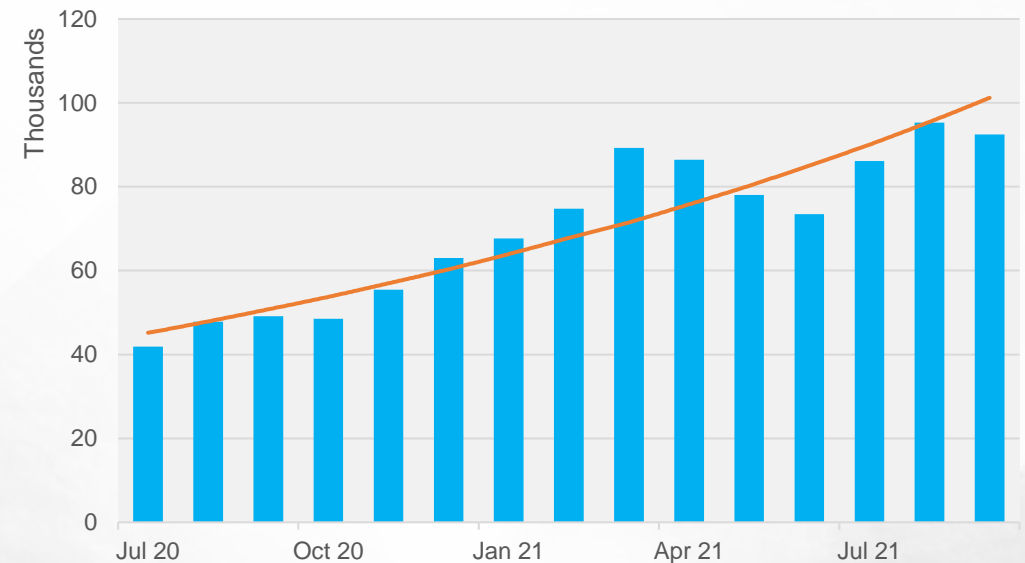
NdPr Market Balance

Forecast NdPr Oxide market balance (kt)



+ NdPr supply shortage to occur in 2022-2023
+ 2020-2030 demand growing at 9.6% p.a

Neodymium – Praseodymium Oxide Price (NdPr) US\$/t

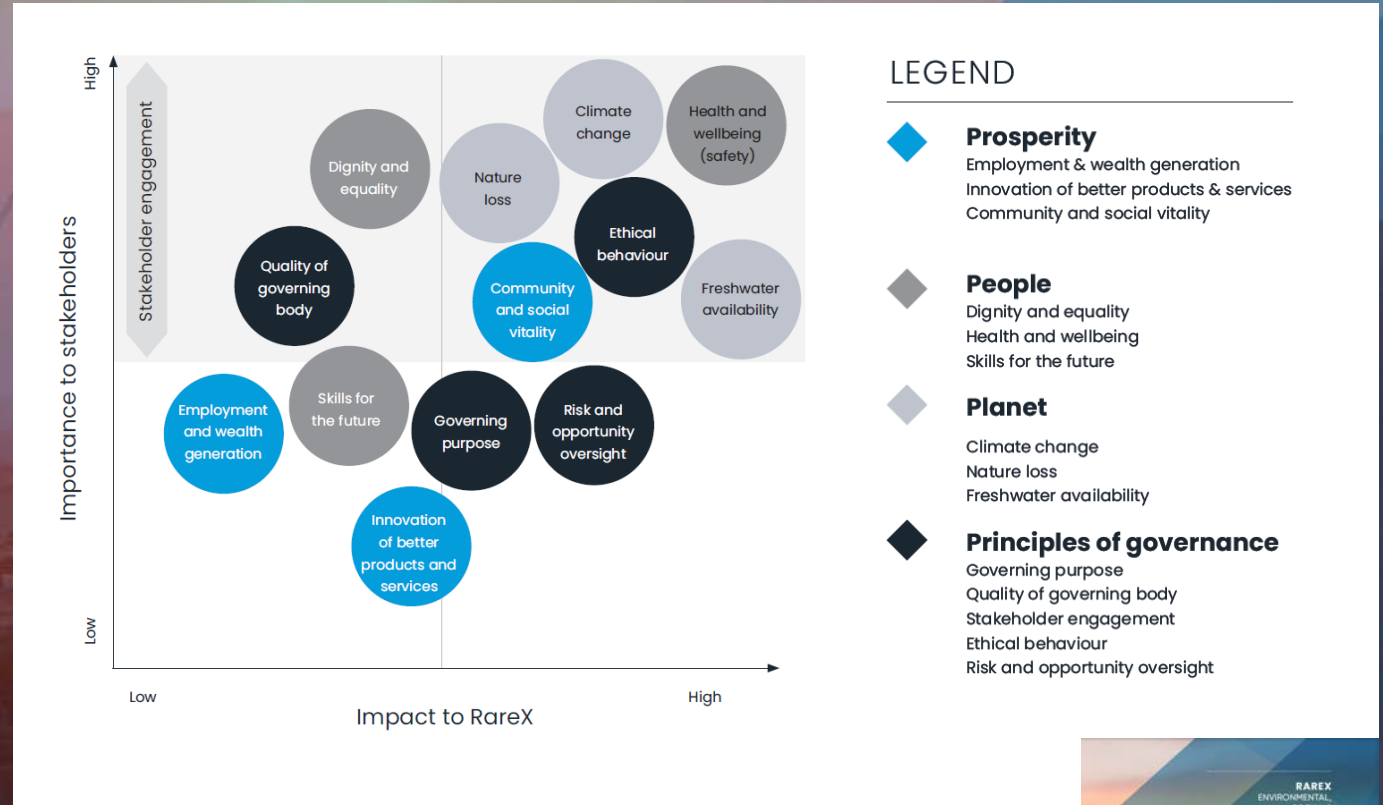


ESG Framework



- RareX Announced its Maiden ESG framework in September 2021 developed in conjunction with industry leader Price Waterhouse Cooper.
- RareX has aligned itself with the World Economic Forum “WEF” Principles
- RareX already contributes 3.5% of its annual exploration expenditure the Kimberly sustainable development trust for the benefit of the Jaru People on who's land it operates

RareX has an important role to play in supplying rare earth minerals that are crucial for the low carbon economy, such as electric vehicles and wind turbines, as well as advanced technology for telecommunications and military purposes



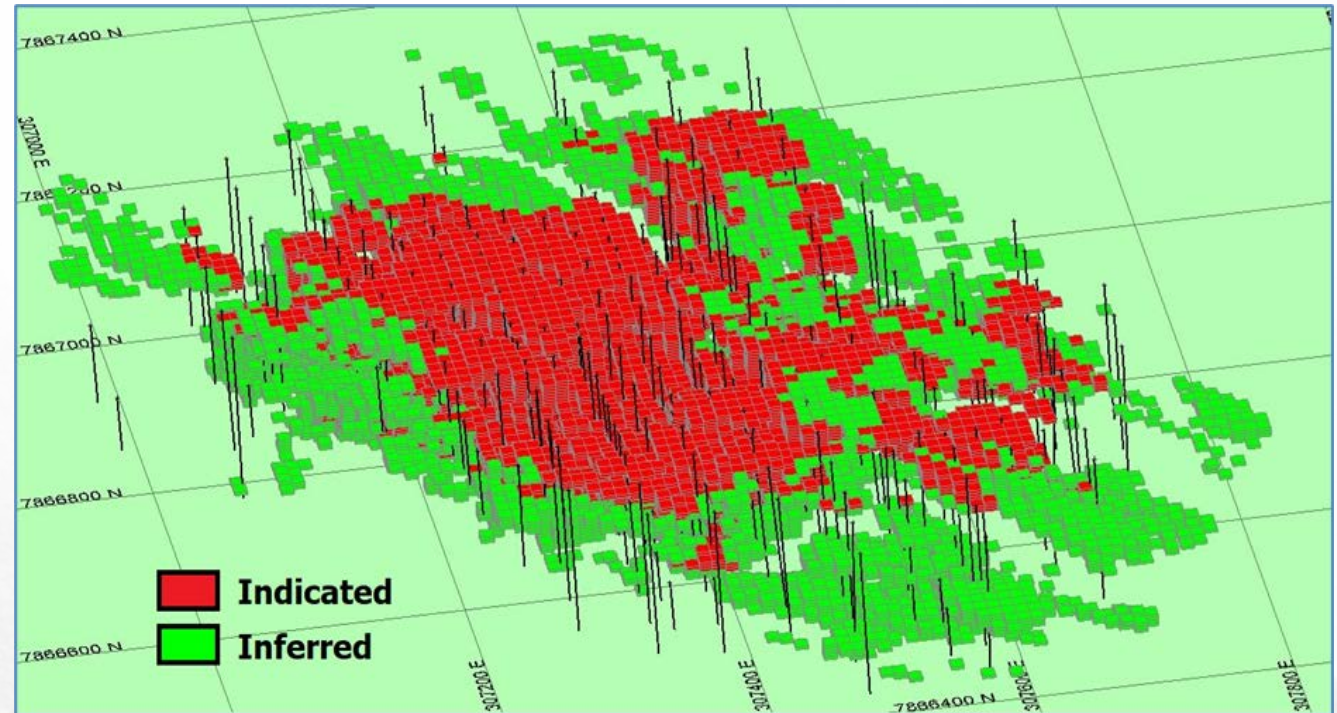
ESG Framework



Significant JORC Resource

RARE 

- A large rare earth and niobium rich carbonatite deposit located in the Kimberley region of Western Australia
- Globally significant Indicated and Inferred JORC Resource 18.9Mt at 1.15% TREO + 0.14% Nb₂O₅
- High-grade tonnes to **6.5Mt at 1.98 % TREO (inc. 0.38% NdPr) + 0.21% Nb₂O₅**
- Indicated Resource of 11.1Mt at 1.3% TREO + 0.17% Nb₂O₅
- **Competitive Basket price of US\$34/kg**
- **Current Niobium Price of US\$93/kg**



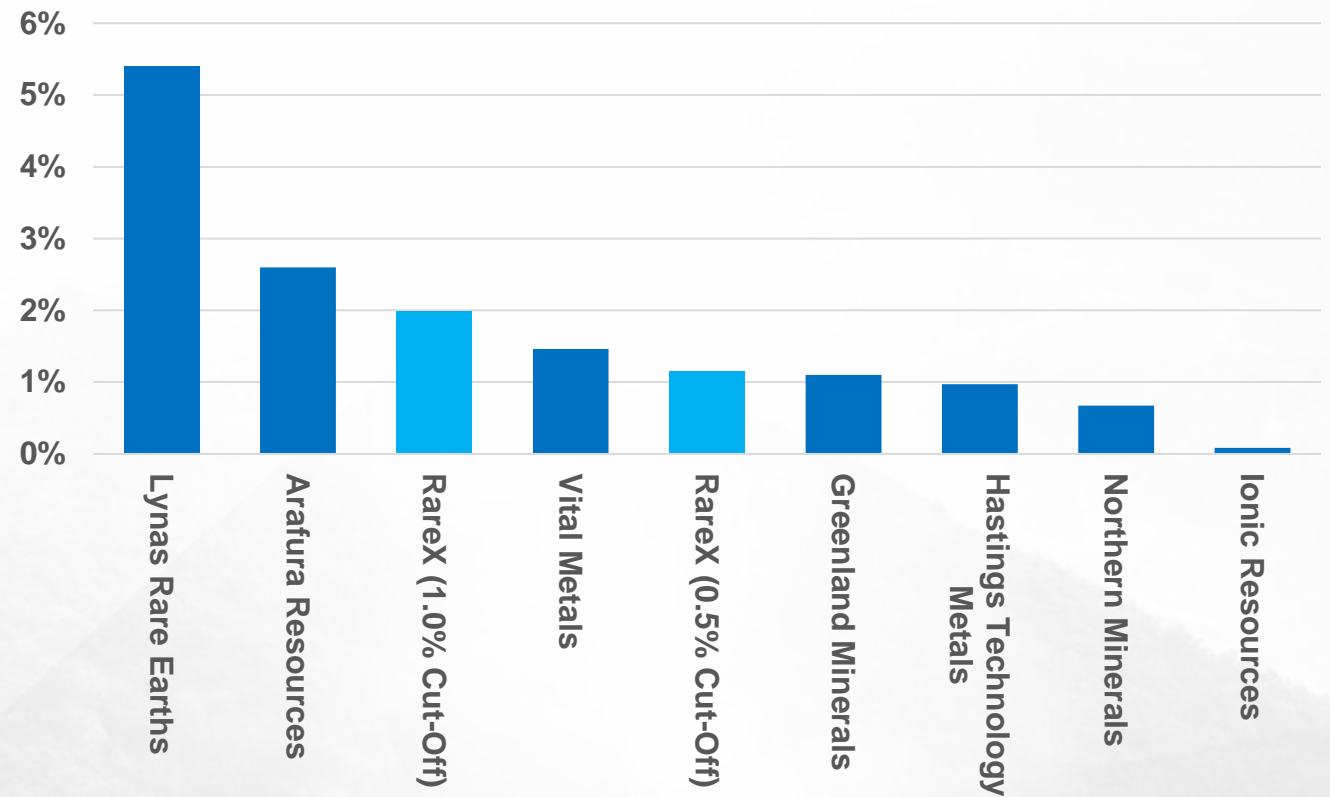
Cummins Range – Grade and Scale



0.5% Cut Off	Tonnes Mt	TREO %	NdPr %	Nb ₂ O ₅ %	HREO ppm
Indicated	11.1	1.34	0.27	0.17	830
Inferred	7.7	0.88	0.18	0.11	540
Total	18.8	1.15	0.23	0.14	711

1.0% Cut Off	Tonnes Mt	TREO %	NdPr %	Nb ₂ O ₅ %	HREO ppm
Indicated	4.9	2.11	0.41	0.23	1,150
Inferred	1.6	1.60	0.31	0.16	800
Total	6.5	1.98	0.38	0.21	1,060

ASX Listed Rare Earth Companies Primary Deposit Grades – TREO %



NOTE: Doesn't include potential niobium credits

Growing the Resource



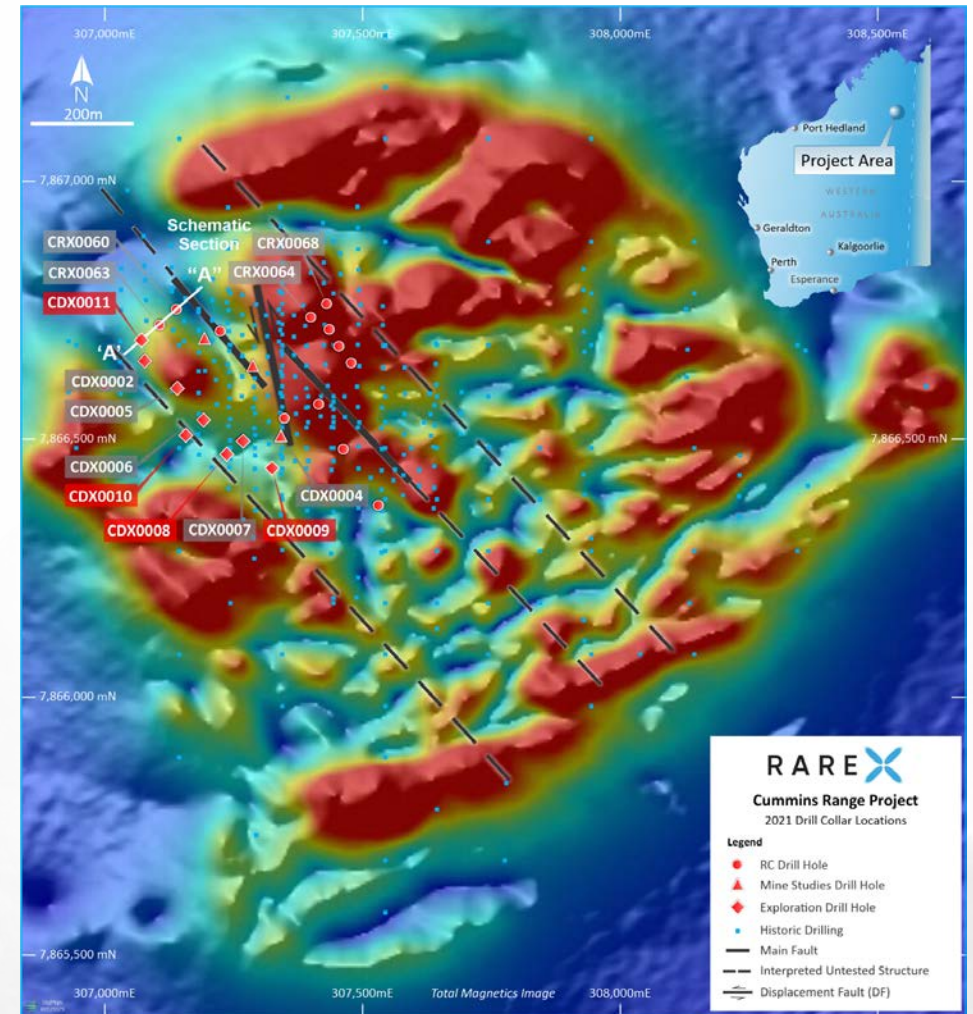
Cummins Range unique geology points to high grade potential

- **Carbonatite intrusive complex** with REE mineralisation controlled by hydrothermal fluids
- Historic drilling mostly orientated in the wrong direction
- Recognition of high grade main fault / breccia zone for first time provides for high grade depth potential
- Possibility of multiple structures

6,000m drill program underway

- 2,000m of RC Drilling complete
- 4,000m of Diamond drilling – first time since 1982

Potential to grow the resources significantly



Initial Results

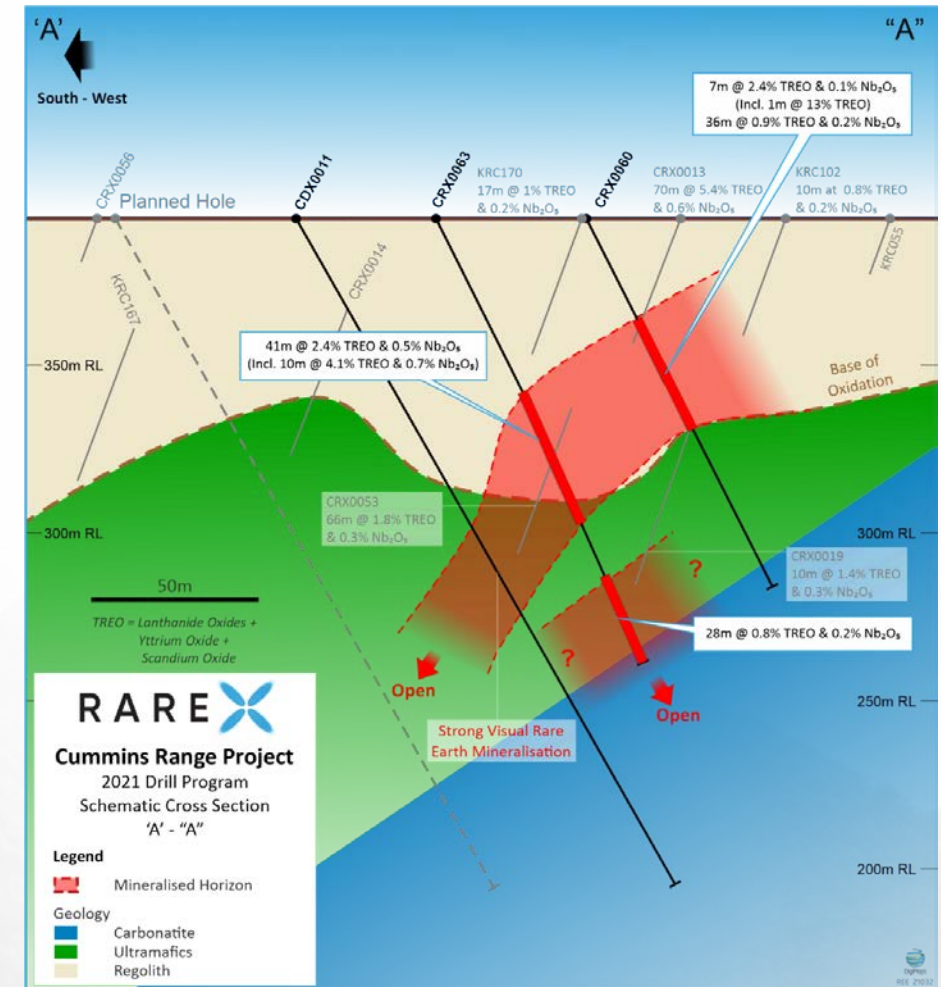


First batch of assays confirm **true width of the Main Fault to be >40m** and identify new mineralised position, highlighting the deposit's exceptional growth potential

- CRX0063 intersects multiple mineralised zones, including:
 - Main Fault – 41m at 2.4% TREO and 0.51% Nb₂O₅ from 57m, including:
 - **10m 4.1% TREO and 0.75% Nb₂O₅**
- CDX0011 Intersects significant primary mineralisation – open down dip

Northern Fault discovered parallel to the Main Fault

Follow-up diamond drilling targeting depth extensions continuing



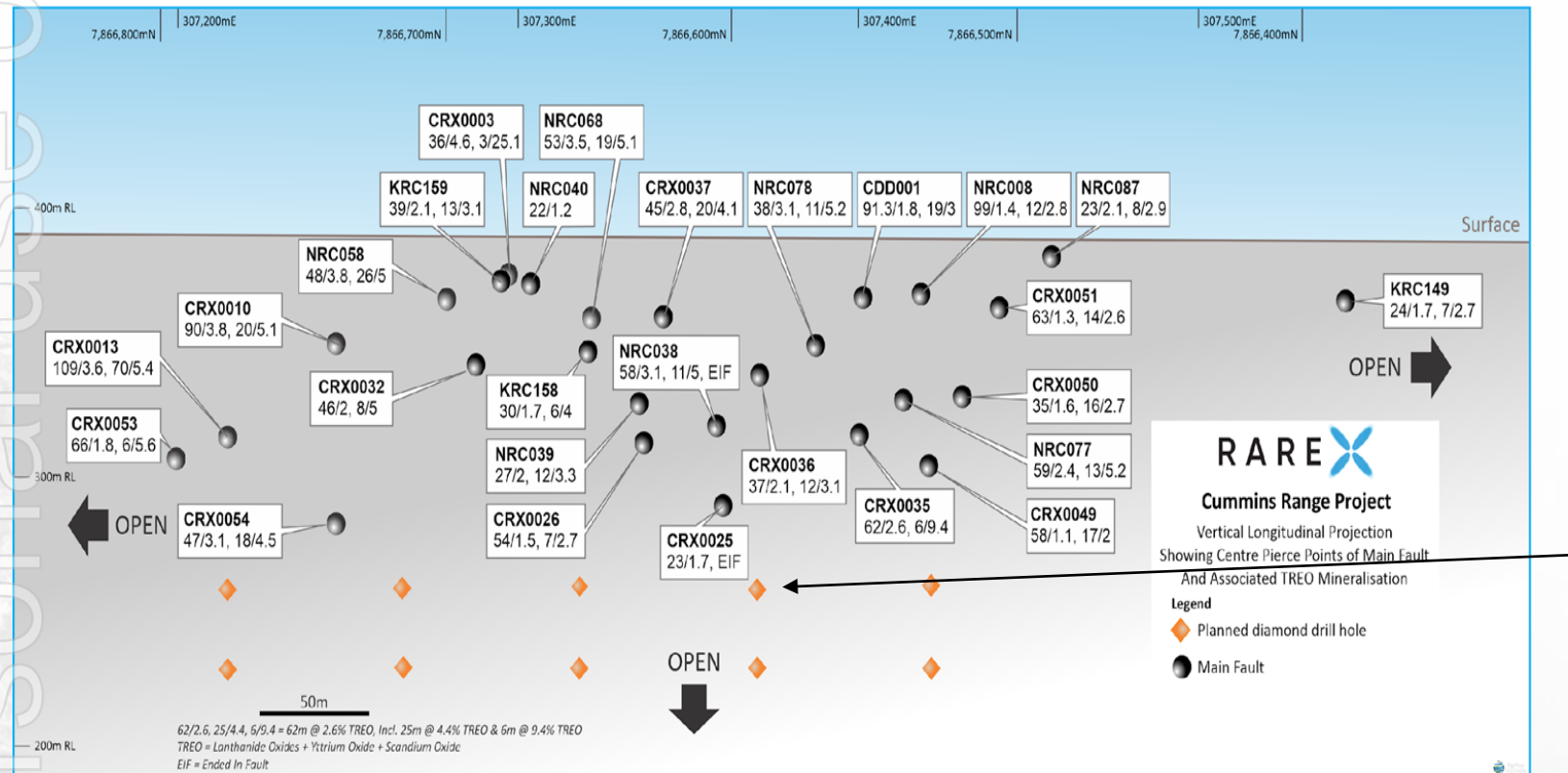
Primary Mineralisation Confirmed



CDX0007 has intersected the high grade primary zone for the first time

Confirmation of potential for extension at depth and wide open

First assays from diamond drilling in 4-6 weeks



Study Work



- Recent Exciting Drilling results – potential change in Scope
- Recently appointed GM Projects Mr James Durrant
- Scoping Study scheduled for completion March Quarter 2022
- Industry Leading experts now all appointed

Consultant

Gavin Beer

Primero

METS Group

Mining Plus

AMC

Animal Plant Resources

Advisian

PWC

Scope

Rare Earth Element, metallurgical and general technical counsel

Lead consultant. Process design and cost estimation

Metallurgical programme lead

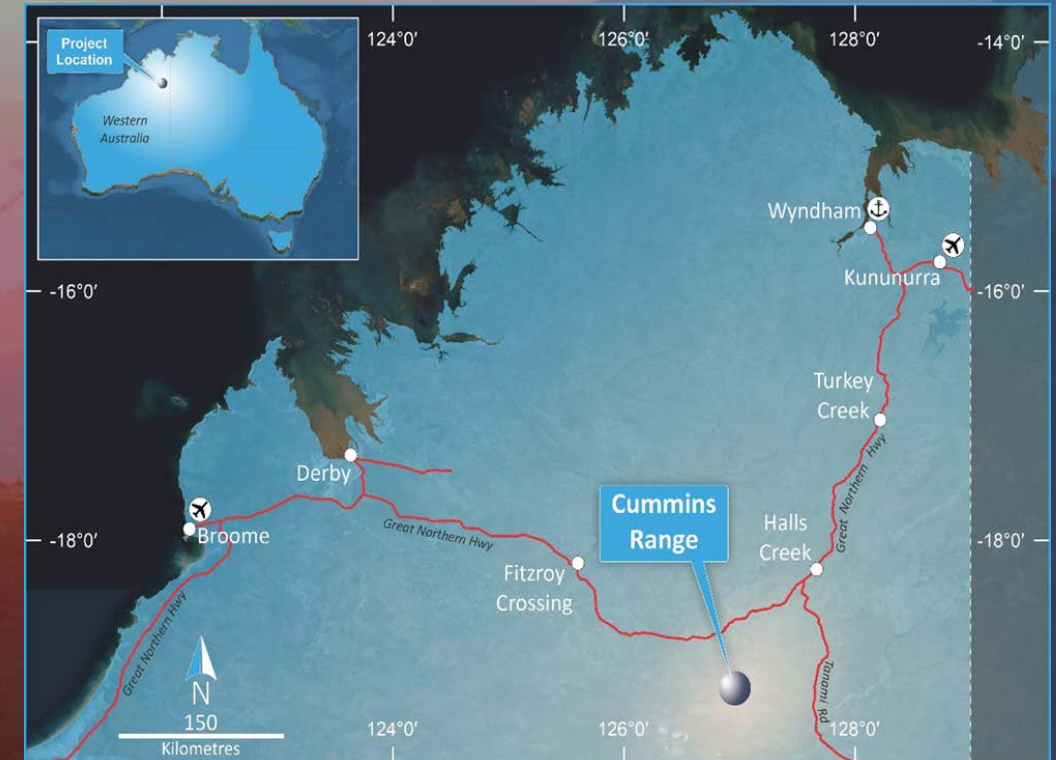
Pit design, pit optimisation mining method

Geometallurgical modelling

ESG integration, stakeholder engagement, approvals and permitting

Hydrogeology

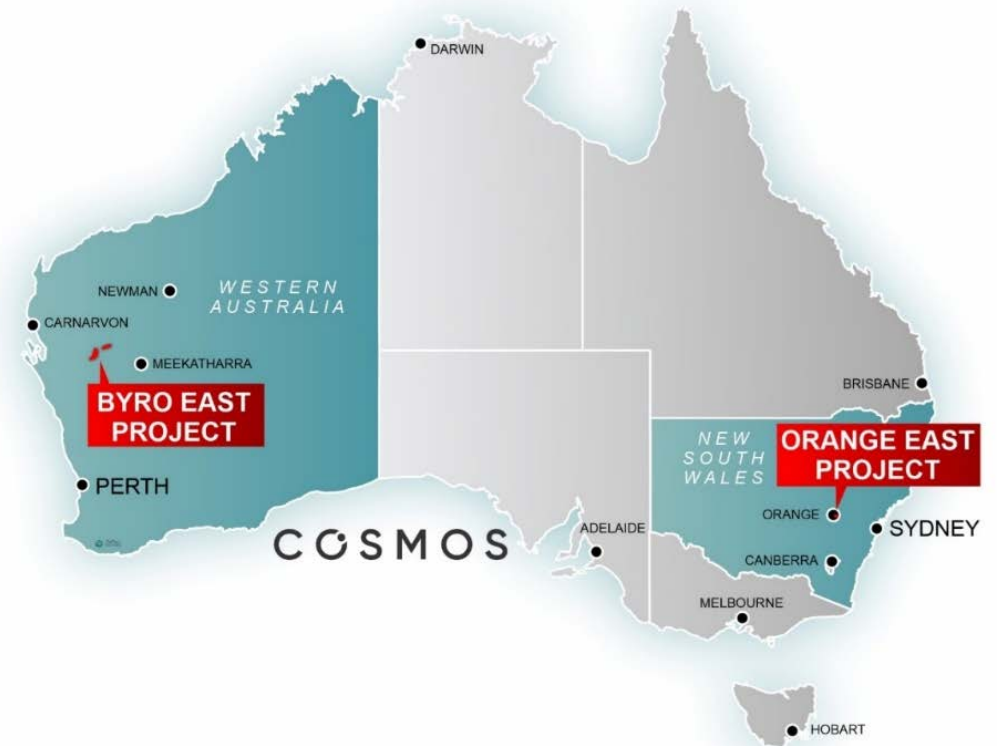
ESG integration



Cosmos Exploration – Listing Soon



- Allows focus on Nickel Copper PGE and Gold Exploration
- Byro East Ni Cu PGE Project - Hosts numerous nickel-copper-PGE targets along the geological setting of the Milly Milly intrusions, considered to be analogous to the Gonneville intrusion that hosts Chalice Mining Limited's (Chalice) world-class Julimar discovery.
- Orange East Gold Project - The Orange East Gold Project is located just 15km along strike from the McPhillamys Gold Mine, which is owned by Regis Resources Limited and shows striking similarities to the McPhillamys Gold Mine.
- Offering 25m shares at 20c. RareX to retain 10m shares and 25% free carry in Orange East



Priority Entitlement for RareX Limited Shareholders

IPO IS OPEN NOW

Key Investment Takeaways



- 1 High-quality, advanced Rare Earths Project in WA
- 2 Resource upgrade announced
- 3 Confirmation of high grade primary mineralisation
- 4 Rare Earths prices rising strongly
- 5 Cosmos Exploration IPO underway



With a \$40.0m market capitalisation, the company is significantly undervalued relative to its peers in an exciting growth area