



KRAKATOA
RESOURCES LTD.

MOVING TO **POWER** THE **ELECTRIC** FUTURE



SEPTEMBER 2022

ASX:KTA

Disclaimer



KRAKATOA
RESOURCES LTD.

2

The presentation has been prepared by Krakatoa Resources Limited (Krakatoa, KTA, or the Company) based on information from its own- and third-party sources and is not a disclosure document. No party other than the Company has authorized or caused the issue, lodgment, submission, dispatch or provision of this presentation, or takes any responsibility for, or makes or purports to make any statements, representations or undertakings in this presentation. Except for any liability that cannot be excluded by law, the Company and its related bodies corporate, directors, employees, servants, advisers, agents (Affiliates) disclaim and accept no responsibility or liability for any expenses, losses, damages or costs incurred by you relating in any way to this presentation including, without limitation, the information contained in or provided in connection with it, any errors or omissions from it however caused, lack of accuracy, completeness, currency or reliability or you or any other person placing any reliance on this presentation, its accuracy, completeness or reliability. This presentation is not a prospectus, disclosure document, or other offering document under Australian law or under any other law. It is provided for information purposes and is not an invitation nor offer of shares or recommendation for subscription, purchase or sale in any jurisdiction. This presentation does not purport to contain all the information that a prospective investor may require in connection with any potential investment in the Company. Each recipient must make its own independent assessment of the Company before acquiring any shares in the Company (Shares).

FORWARD LOOKING INFORMATION

This presentation may contain forward-looking statements that are subject to risk factors associated with gold exploration, mining and production businesses. Forward-looking statements are statements that are not historical facts. Words such as “expect(s)”, “feel(s)”, “believe(s)”, “will”, “may”, “anticipate(s)” and similar expressions are intended to identify forward-looking statements. It is believed that expectations reflected in these statements are reasonable, but they may be affected by a variety of variables and changes in underlying assumptions which could cause actual results or trends to differ materially, including but not limited to: (i) those relating to the interpretation of drill results, the geology, grade and continuity of mineral deposits and conclusions of economic evaluations, (ii) risks relating to possible variations in reserves, grade, planned mining dilution and ore loss, or recovery rates and changes in project parameters as plans continue to be refined, (iii) the potential for delays in exploration or development activities or the completion of feasibility studies, (iv) risks related to commodity price and foreign exchange rate fluctuations, (v) risks related to failure to obtain adequate financing on a timely basis and on acceptable terms or delays in obtaining governmental approvals or in the completion of development or construction activities, and (vi) other risks and uncertainties related to the Company's prospects, properties and business strategy. Our audience is cautioned not to place undue reliance on these forward-looking statements that speak only as of the date hereof, and we do not undertake any obligation to revise and disseminate forward-looking statements to reflect events or circumstances after the date hereof, or to reflect the occurrence of or non-occurrence of any events.

COMPETENT PERSONS STATEMENT

The exploration targets and information in this presentation is based on and fairly represents information compiled by Mark Major, Krakatoa Resources CEO, who is a Member of the Australasian Institute of Mining and Metallurgy and a full-time employee of Krakatoa Resources. Mr Major has sufficient experience relevant to the style of mineralisation and type of deposit under consideration, and to the activity which he has undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Major consents to the inclusion in this announcement of the matters based on this information in the form and context in which it appears.

Previously announced information is cross referenced to the original announcements. The Company confirms that it is not aware of any new information or data that materially affects the Exploration Results information included in this report from previous Company announcements, including all exploration results extracted from the Company's announcements to the ASX from 10 February 2017 to the 02 September 2022.

Company Overview



Why Krakatoa?

REE, Speciality Metals, Ni-PGE, Cu and Au



KRAKATOA
RESOURCES LTD.

4

DIVERSE PORTFOLIO LEVERAGED TO CLEAN ENERGY FUTURE METALS WITH STRONG GOLD BASE



Strong Foundations

Future metal focused = REE, Ni-PGE, Cu & Au.



Growth Potential

Recent discoveries in REE and Speciality Metals.
Advancing on three fronts = REE resource, Ni-Cu-PGE targets & Speciality Metals resource



Tier 1 Locations

Australia: in emerging mineral camps with world class discoveries



Focused Strategy

Systematic yet aggressive exploration – major discoveries confirmed



Secure Landholding

All projects are 100% owned by Krakatoa

Krakatoa controls various highly prospective projects within known and emerging mineral provinces, each capable of delivering major upside to shareholders



Corporate Overview



KRAKATOA
RESOURCES LTD.

5

CAPITAL STRUCTURE

September 6, 2022

KTA

ASX Code

345m

Shares on issue

\$21m

Market Cap

26.5m

Unlisted Options

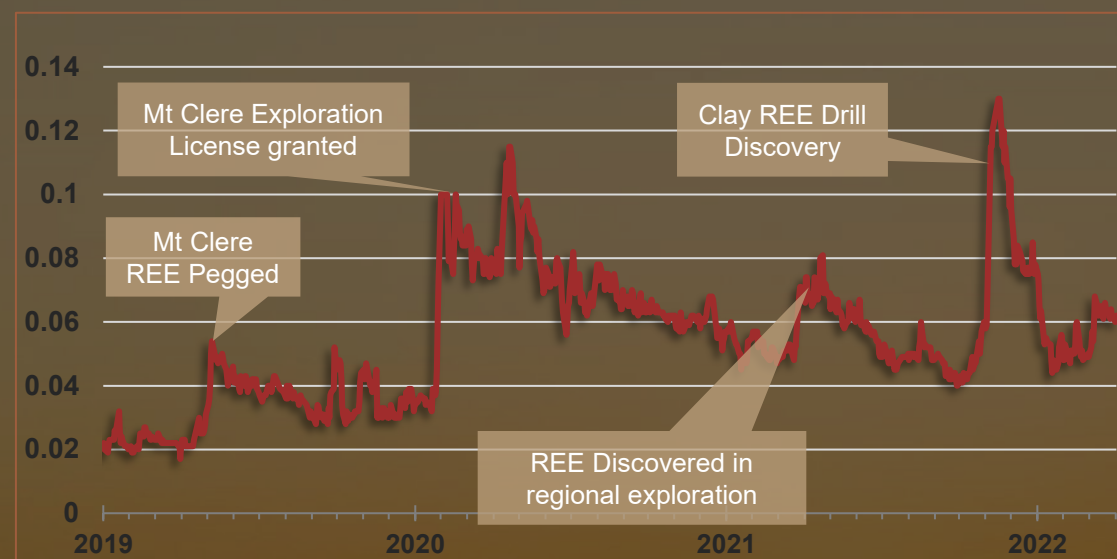
~\$4.2m

Cash in Bank

~\$17m

Enterprise Vale

52 week share price range A\$0.04 - \$0.14



Executive Team



Colin Locke
Executive Chairman

Mr Locke brings to stake holders a mining related background with business management, capital markets and international exploration success spanning over 30 years.



Mark Major
Chief Executive Officer

Mr Major has more than 27 years of mineral exploration, ranging from grassroots programs to mine development. He has extensive experience working with corporate transactions, project acquisitions and project generation.



David Palumbo
Non-Executive Director

Mr Palumbo is a Chartered Accountant with over fourteen years' experience across company secretarial, corporate advisory and financial management and reporting of ASX listed companies.



Tim Hogan
Non-Executive Director

Mr Hogan has approximately 25 years' experience in the stockbroking industry in Australia and is currently a Director of Barclay Wells Limited.

100% Owned Projects



KRAKATOA
RESOURCES LTD.

7

WA

MT CLERE

REE – Discovery with Exploration target, maiden resource imminent +
Ni-Cu-PGE – drill ready, heritage clearance then drilling
Multiple targets, greenfield exploration
100% KTA

KING TAMBA

Historical Ta mine with speciality metals hosted within pegmatites
Rb, Li, Nb, Ta, Sn

Resource Imminent with large upside

MAC WELL

Li -Ni & Au located south of Western Queen gold Mine Structure.

YILGAN CRATON

Highly prospective projects covering a range of commodities, deposit styles and scales, each capable of delivering major upside to shareholders

LACHLAN FOLD BELT

NSW

RAND

Intrusive Related **Gold** Systems (IRGS) + **Clay hosted ionic REE's** over granites + **Tungsten** and tin potential
Multiple targets in under explored frontier

BELGRAVIA PROJECT

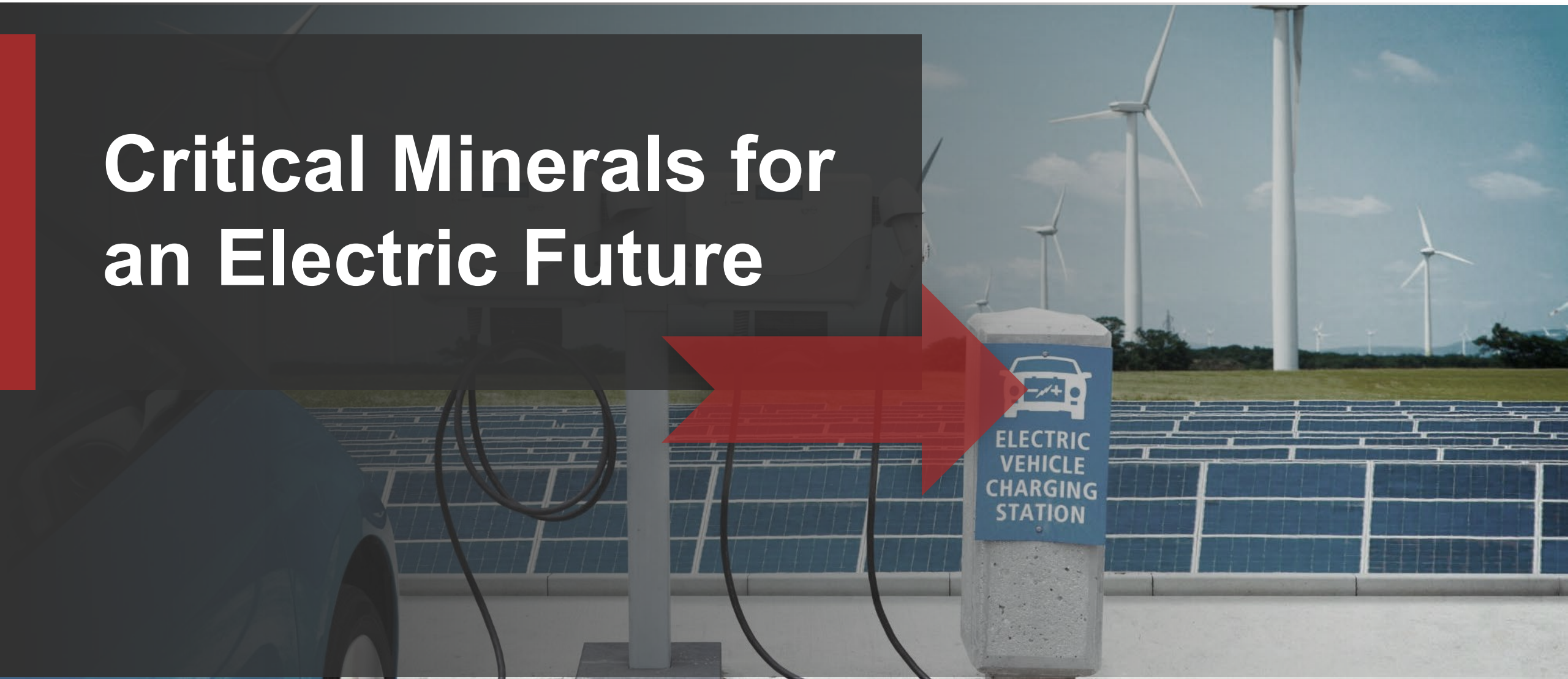
Cu-Au Porphyry & skarn (e.g. Cadia - Newcrest)
Geophysical targets identified

TURON PROJECT

High grade turbidite-hosted **gold** (e.g. Fosterville - Kirkland Lake)

DIVERSE PORTFOLIO: SIX PROJECTS IN TWO STATES; MULTI-COMODITY REE, Speciality Metals, Ni-PGE, Cu and Au

Critical Minerals for an Electric Future

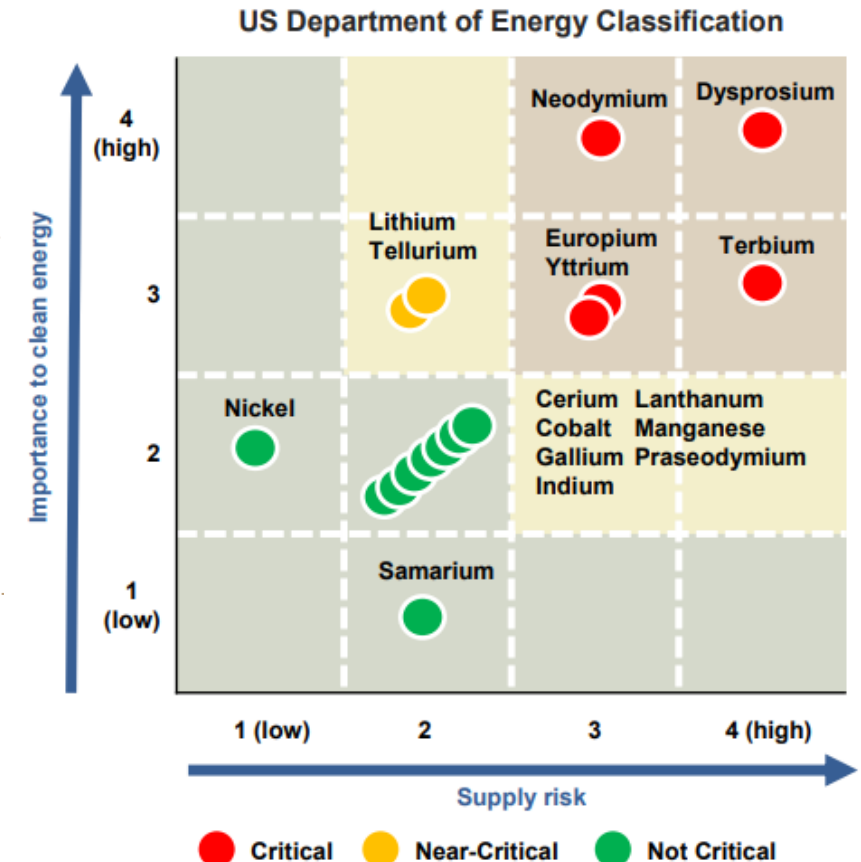
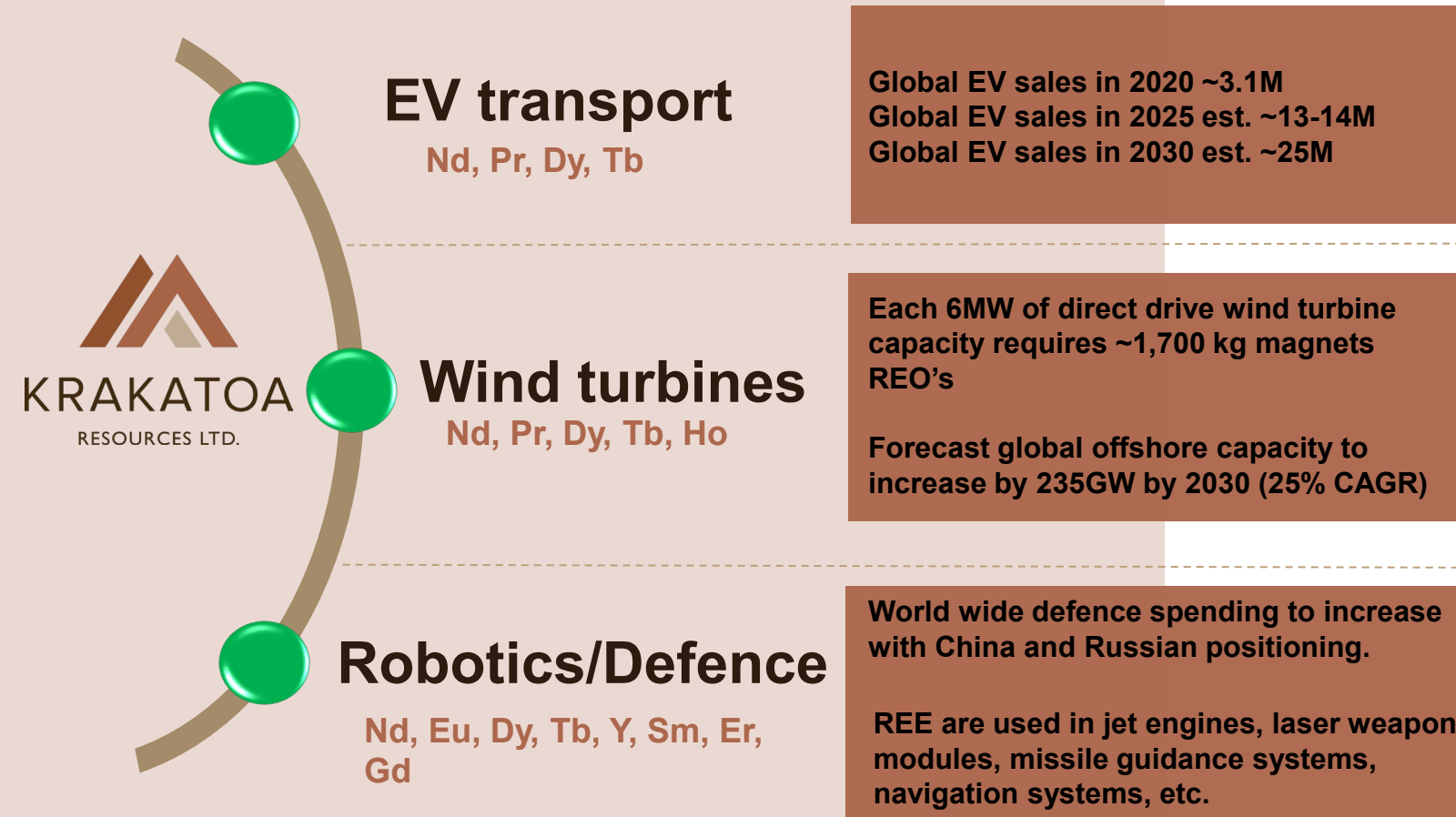


Rare Earths Critical for the Electric Revolution



KRAKATOA
RESOURCES LTD.

9



The Electric revolution requires efficiency in order to reduce energy consumption
= Rare Earths are essential to obtain high-performance with the lowest amount of energy

NdPr Rare Earths for Renewable Energy



KRAKATOA
RESOURCES LTD.

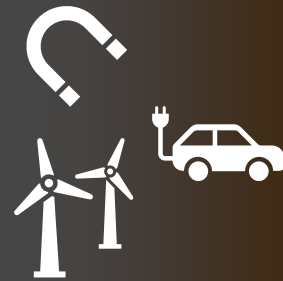
10



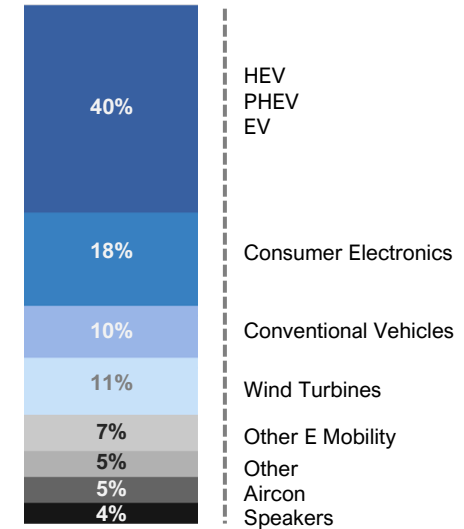
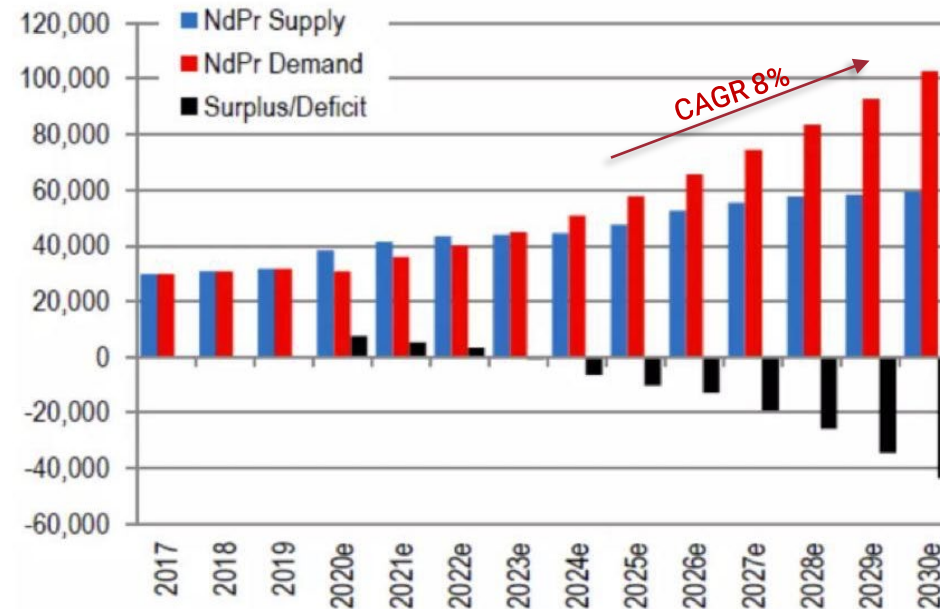
Australian Government's Critical Mineral Facility to provide AUD\$1.25bn to fund the development of a domestic rare earth refinery

Favourable mineral suite focussing on NdPr Product

Focus



The **Fastest Growing** Mineral Suite - **NdPr** - for the **Renewable Sector**



Light Rare Earth Elements (LREE)

Heavy Rare Earth Elements (HREE)

Electric Revolution Drives Demand for Critical Elements



KRAKATOA
RESOURCES LTD.

11

Krakatoa - the right projects with the right commodities to align the company's growth with the demands of the electric revolution. The increased demands for the future metals required in the electrification and decarbonisation world are the key fundamentals for the company's direction.

			MT CLERE	DALGARANGA	RAND
	REE - Nd, Pr, Dy, Tb, Sm, Y	High and low temperature magnets for EV's, wind turbines aerospace, robotics, medical equipment – increased efficiency to reduce energy consumption.			
	Nickel	Battery cathode material in EV's			
	Copper	Wire's and component is all electrical circuit work in EV's, turbines, domestic electricity, etc			
	Ti, Ta, Zr, Rb	Used for high strength material development or heat retention; which reduce weight and in electronics			
	Lithium	Battery material for domestic and commercial energy storage and EV's			

Discovery to Definition Share Price Catalysts



KRAKATOA
RESOURCES LTD.

12

Mt Clere

- Resource drilling - Tower clay hosted **REE** prospect (Complete)
- Initial Metallurgical **REE** - Tower (Current)
- Maiden **REE** Resource - Tower prospect (Q3-4/22)
- Phase 2 Metallurgical testwork for critical **REE** (Q1-2/23)
- Further reconnaissance drilling around Tower **REE** prospect area (Q4/23)
- Drilling - **Ni-Cu** basement EM conductors (Q4/22)
- Scoping study (2023)

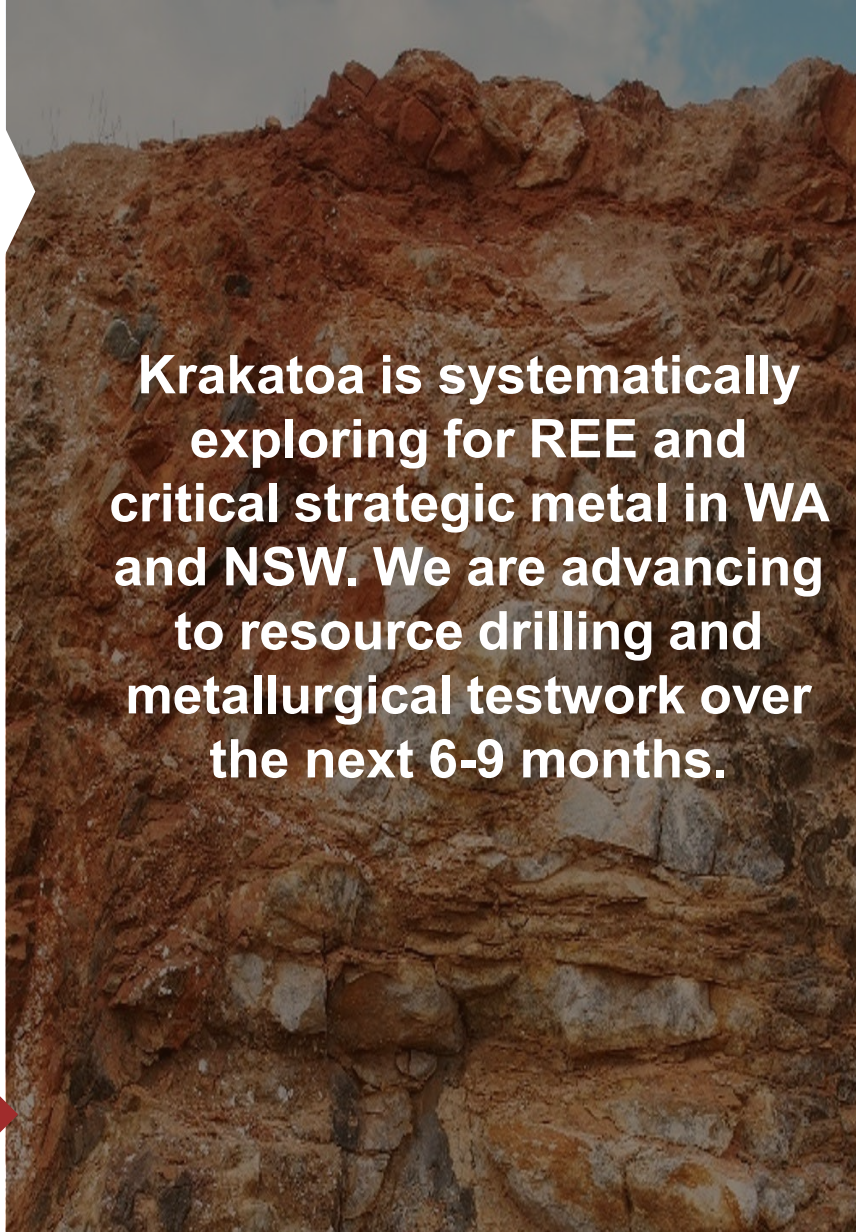
King Tamba

- Completion of maiden resource drilling at King Tamba - Li/Ta/Rb project (Complete)
- Maiden Resource on pegmatite body (Q3 2022)
- Initial Metallurgical test work to identify variable elemental processing options (Q4/22 – Q1/23)

Rand

- Reconnaissance drilling over granite terrain of Rand- Urana areas (Q4/22 – Q1/23)

Key activities that are going to be undertaken in the next 6 to 9 months that will unlock the value in the company through the clay hosted REE's advancement, Speciality metals and Ni-Cu-PGE Sulphide exploration.



Krakatoa is systematically exploring for REE and critical strategic metal in WA and NSW. We are advancing to resource drilling and metallurgical testwork over the next 6-9 months.

Proposed Work Programs & Pipeline of Newsflow

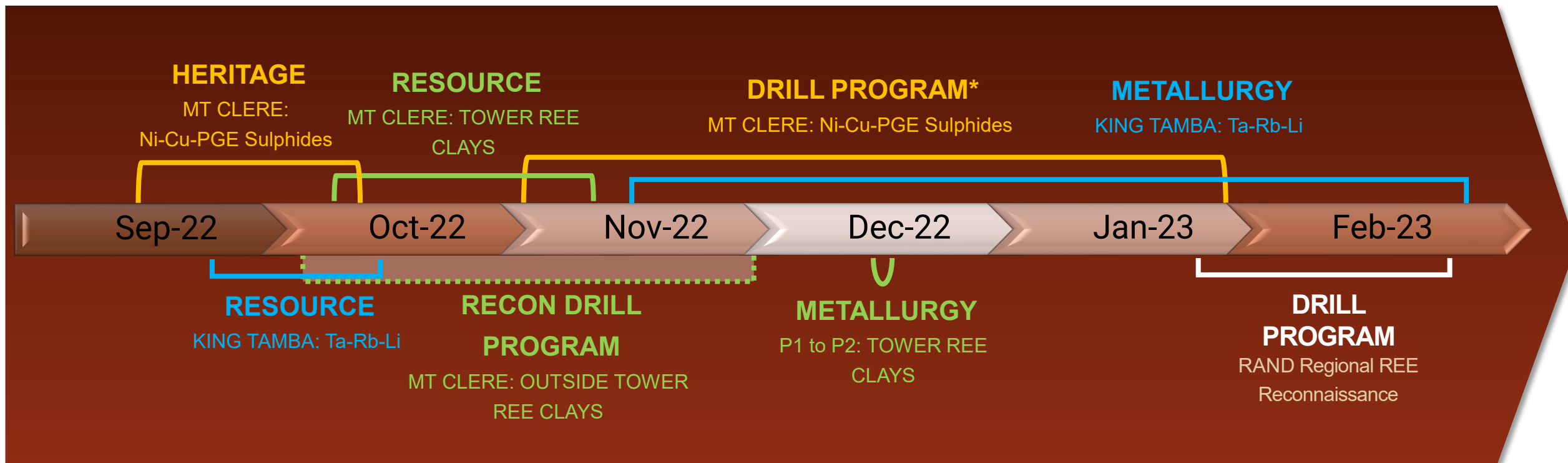


KRAKATOA
RESOURCES LTD.

13

AGGRESSIVE YET SYSTEMATIC EXPLORATION CONTINUING

Strong pipeline of work programs and share price catalysts in the coming six months as activity focuses on systematic exploration of Mt Clere, King Tamba and Rand.



Note * Drill timing may be affected by drill rig availability, heritage surveys and/or land access.

MT CLERE



Strategic REE Discovery & Ni Targets



KRAKATOA
RESOURCES LTD.

15

With over 2,300km² tenure located in the northern margins of the Yilgarn Craton in Western Australia

Discovered

- Extensive clay hosted **REE** regolith occurrence

Identified

- Large Ni-Cu-(Co)-(PGE's) Sulfides targets– **DRILL READY**
- Heavy Mineral Sands (HMS) - areas of zircon, rutile, ilmenite, monazite and leucoxene
- Additional REE regolith areas of interest

Opportunity

- Potential REE hardrock – Ironstones & carbonatites similar to Hastings Yangibana REE project



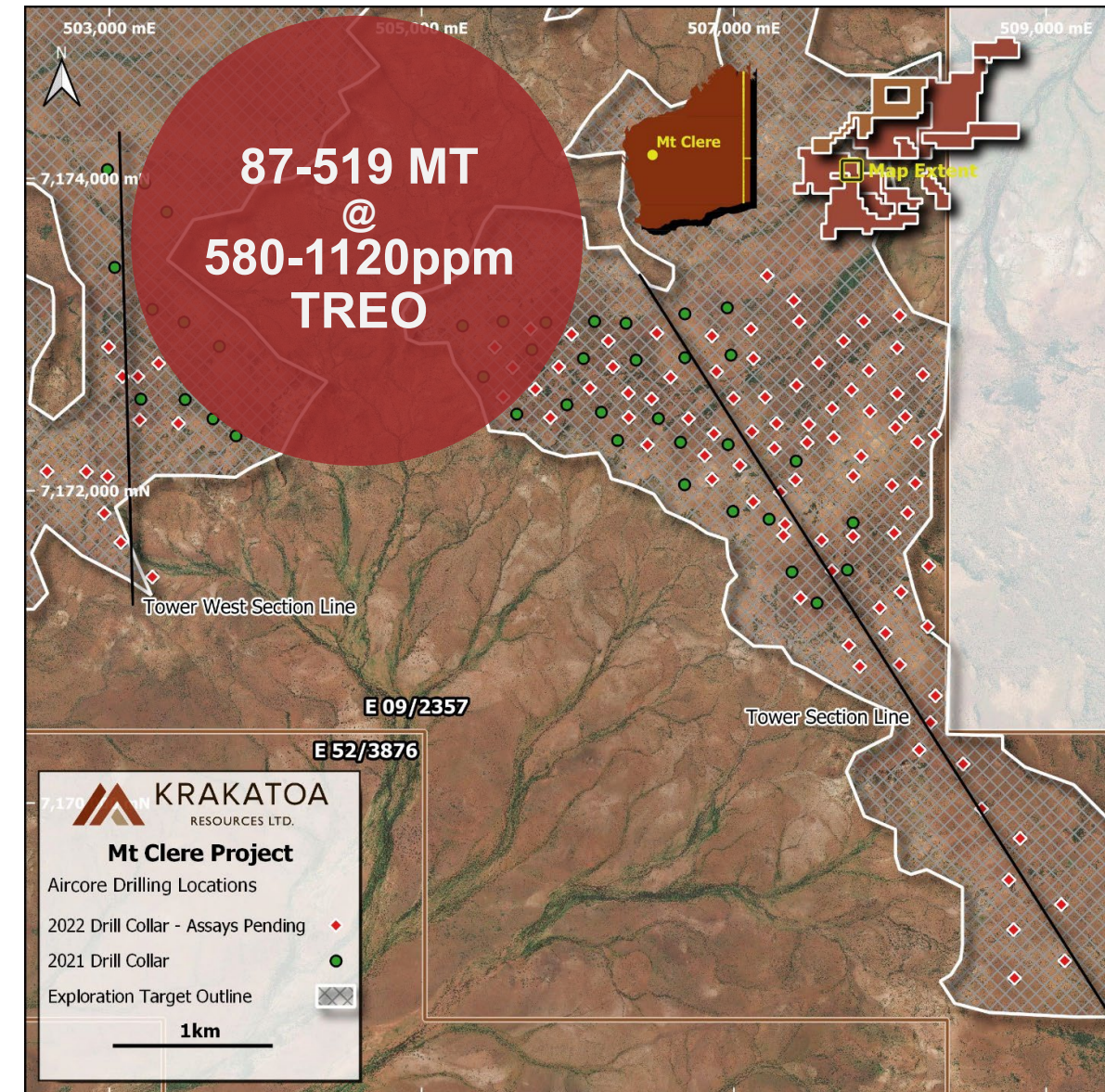
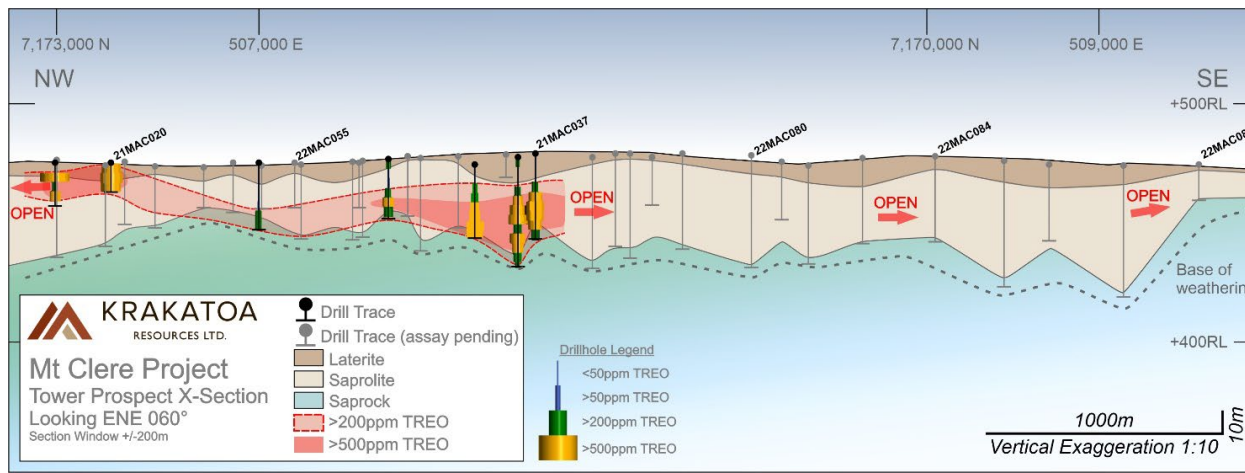
Tower Prospect



KRAKATOA
RESOURCES LTD.

16

- April 2022 - Discovered thick clay hosted REE deposit at the Tower prospect
- Exploration Target defined over well developed clay-rich regolith profile
- Extensive areas outside Tower prospect, still undrilled
- Consistently thick saprolite intervals
- Comparable TREO grades to Peers
- No intense agriculture
- Maiden Resource expected by December
- Phase 1 Metallurgical path forward expected by late 2022/early 2023



UPSIDE - more REE's to be discovered at Mt Clere



KRAKATOA
RESOURCES LTD.

17

WIDESPREAD, HIGH-GRADE REES DISCOVERED BY KTA AT MT CLERE

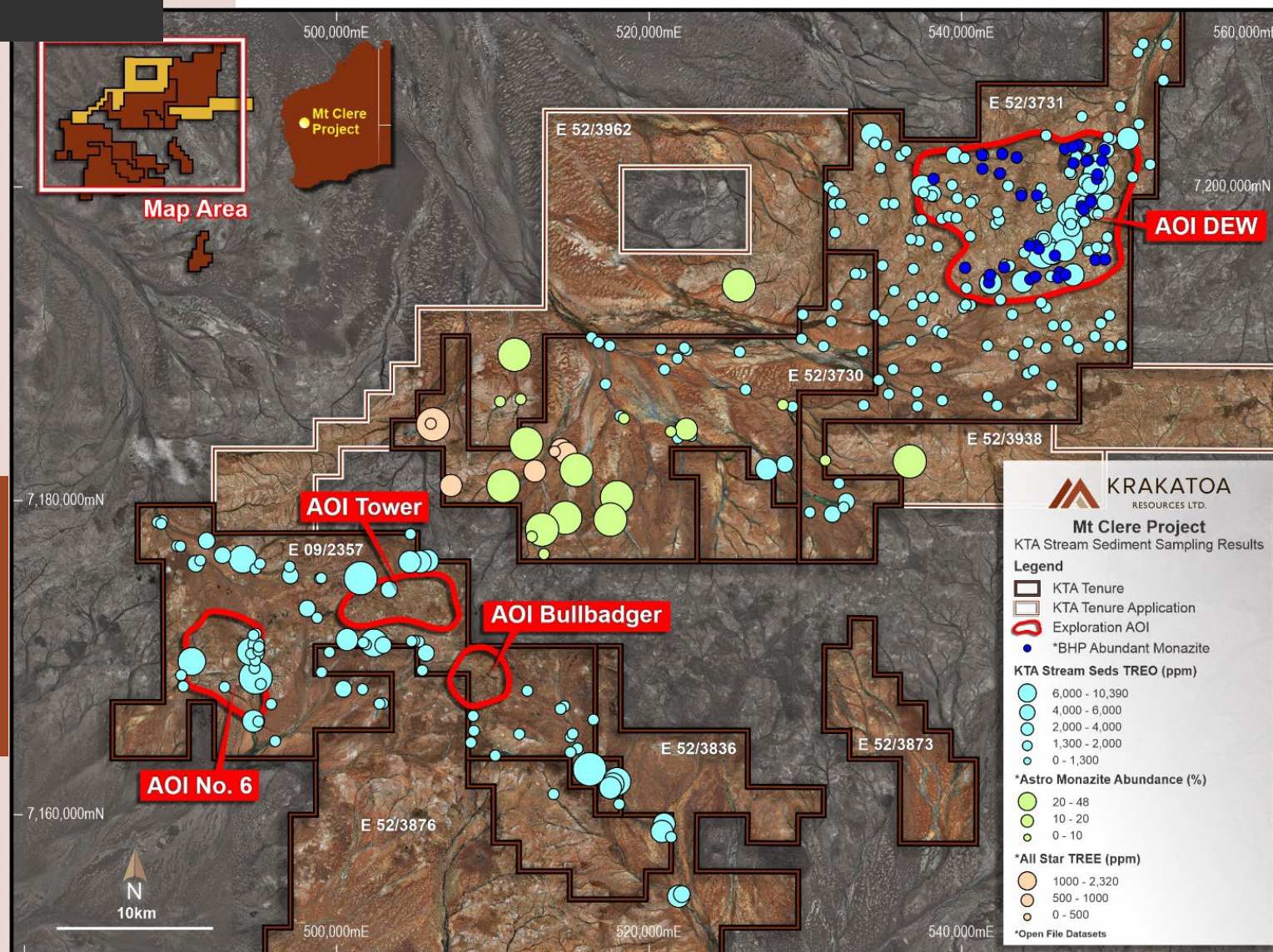
Still more to be found – Clay hosted and potential hard rock sources.

Regional geochemical exploration highlights vast areas of interest.

Some of the Stream sample results:

10,380ppm	8,320ppm
8,126ppm	7,198ppm
7,887ppm	6,790ppm
5,456ppm	5,774ppm

Dew AOI which covers approximately 150Km² with well developed laterite profile
– No drilling undertaken yet

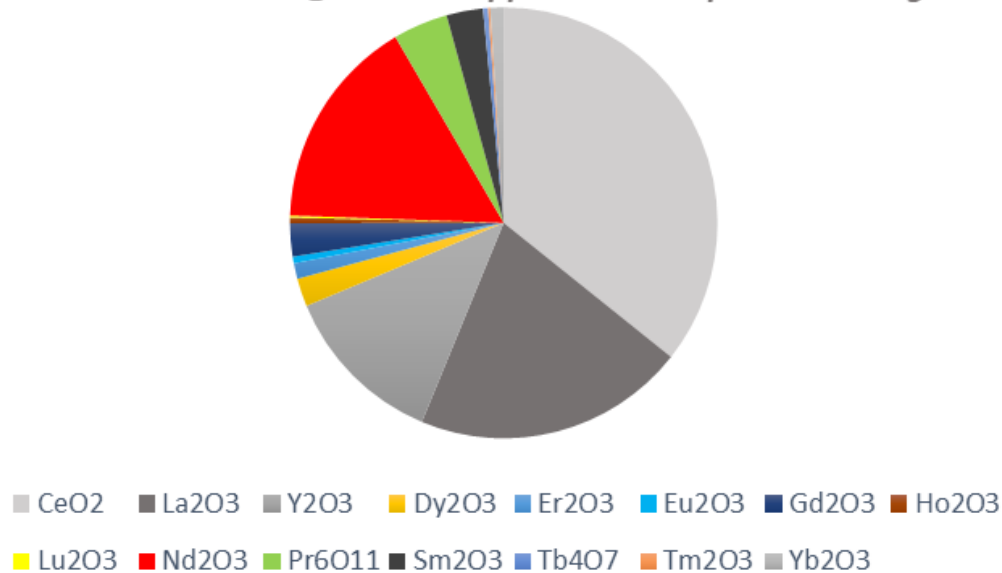


Clay REE Project Comparatives



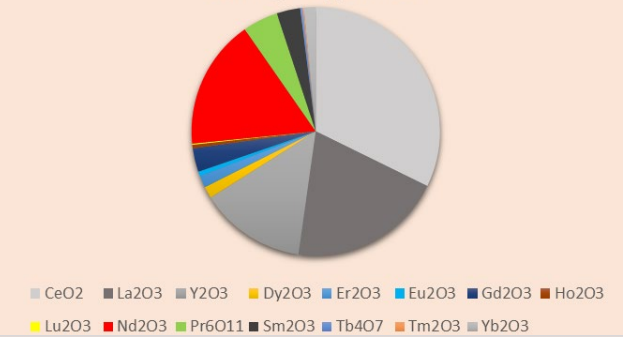
- China dominates the clay hosted ionic REE market
- Only a handful of projects known outside China; with only several being advanced to prefeasibility level and are closer to the development pathway
- KTA project is 100% owned and located in the safe and stable jurisdiction of Western Australia, an area familiar with mining

KTA REO Breakdown
87 to 519Mt @ 580-1120ppm TREO - Exploration Target ⁽¹⁾

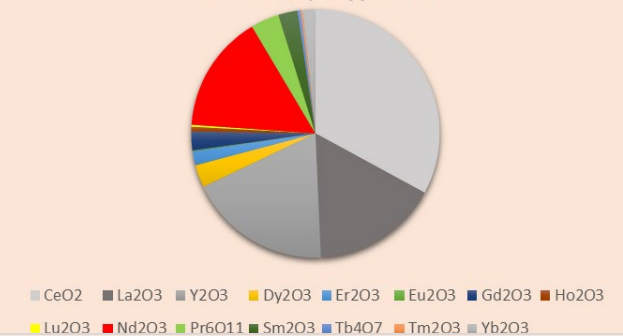


Krakatoa's Tower REE project is comparable to other advanced clay hosted REE projects being developed outside China

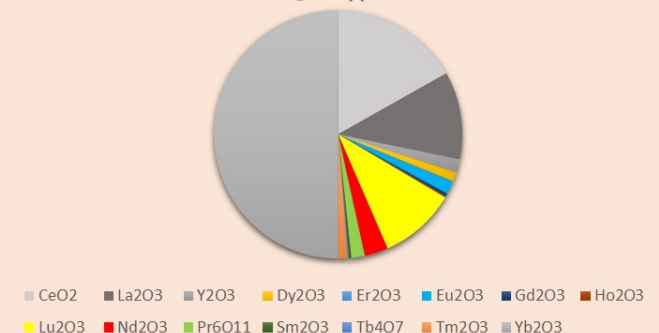
IXR REO Breakdown (2)
532Mt @ 640ppm TREO



Alcara REO Breakdown (3)
20.7Mt @ 2,426ppm TREO



SV REO Breakdown (4)
458Mt @ 980ppm TREO



(1) Refer to ASX Announcement 12 April 2022 for details.
 (2) IXR is Ionic Rare Earths Ltd (ASX:IXR) resource statement ASX Announcement 3 May 2022
 (3) Alcara Resources Inc (TSX:ARA) - Company Presentation February 2022
 (4) SV or Sierra Verde - unlisted- from Hallgarten & Company 13 April 2021, Rare Earths Ion-adsorption Clays review

Basement Sulphides

Ni-Cu-Co-PGEs



KRAKATOA
RESOURCES LTD.

20

Discovered

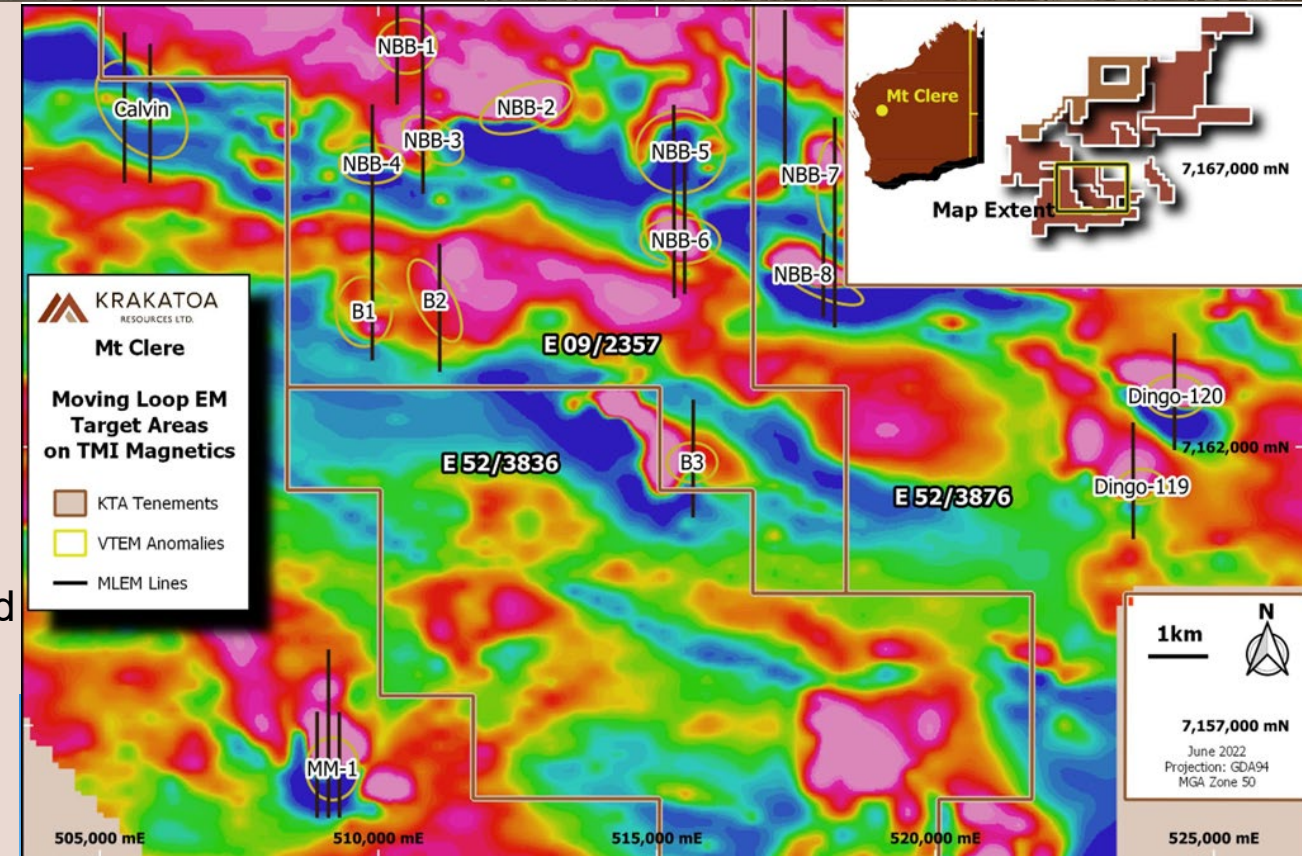
- Multiple conductors from VTEM survey with 20 high priority strong discrete late time targets along regional structural trends

Identified

- Follow-up MLEM defined multiple walk-up drill targets
- 6 conductors with >8000 siemens
- Catchments where priority late time EM conductors found show elevated Cr, Ni, Cu and other pathfinder elements

Opportunity

- Planning and approvals process in progress; Drilling expected by end of 2022 on priority targets
- More still to uncover and follow-up



Size Does Matter EM Comparison

Chalice Resources – Gonneville (Julimar) EM Conductor

AEM image with MLEM plates.

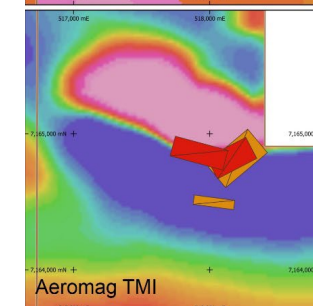
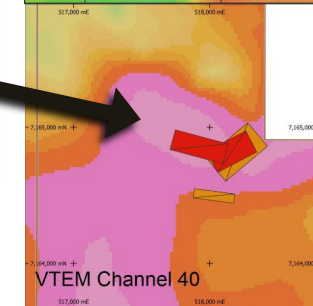
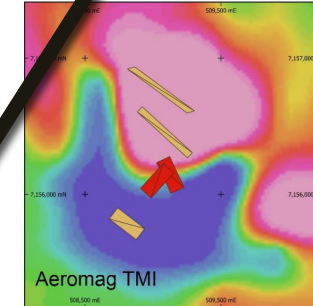
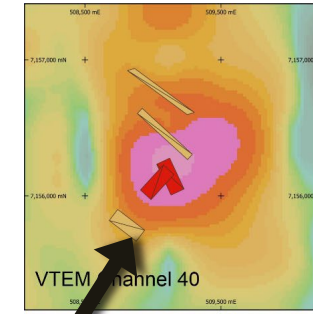
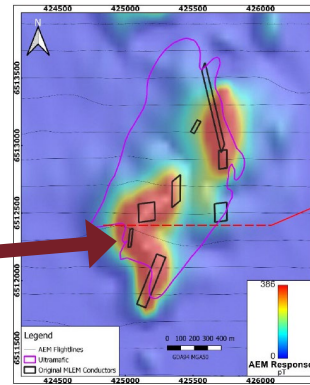
Plate E had a modelled conductor of 138m x 37m at 11800 S other mineralised conductors were just over 3000 S. All at same scale for size comparison.

Conductor E was drilled in March 2020 and intersected massive, matrix and stringer sulphide mineralisation reporting:

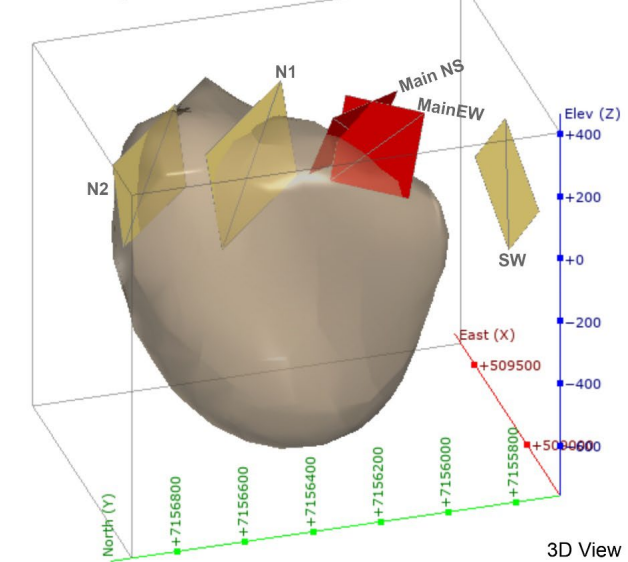
- **75.1m @ 6.2g/t Pd, 1.7g/t Pt, 1.7% Ni, 0.7% Cu and 0.1% Co** from 34.9m,
- including **20m @ 11.1g/t Pd, 1.1g/t Pt, 3.1% Ni, 1.0% Cu, and 0.16% Co** from 47.7m in JD002.

Source: Australian Society of Exploration Geophysics -MAG21 Symposium Nov 2021

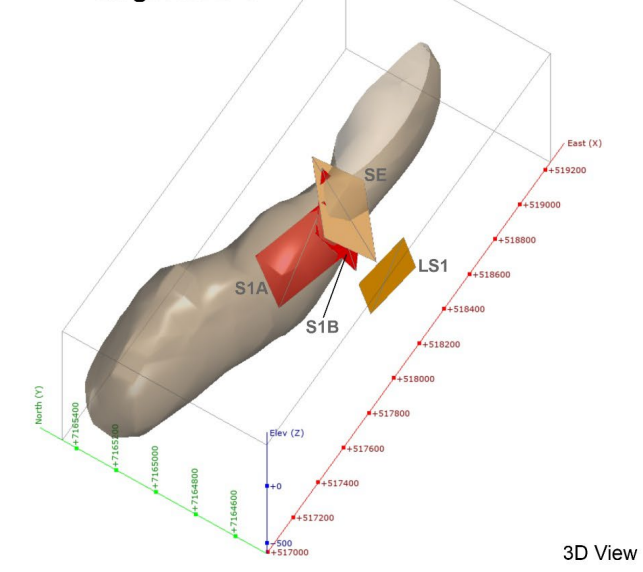
Sirius Resources - Nova Bollinger EM Conductor that lead to the discovery was a discreet late time EM conductor



Target MM-1



Target NBB-8



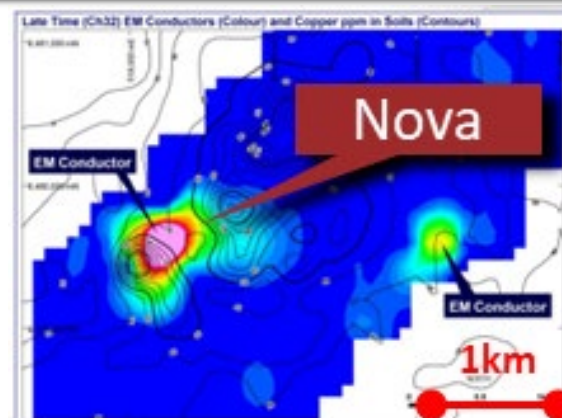
KTA TARGETS

MM-1

Main-NS & EW targets >10000 S
N1/N2 ~3000S

NBB-8

S1a & S1b targets >8000 S
LS1 & SE targets ~4000 S



KING TAMBA



Tantalum Mine within LCT Pegmatite Swarms

Rb, Li, Cs, Sn, Ta, Nb +/- W



KRAKATOA
RESOURCES LTD.

23

BROWNFIELDS SPECIALITY METALS PROJECT IN THE MURCHISON REGION OF WESTERN AUSTRALIA

Discovered

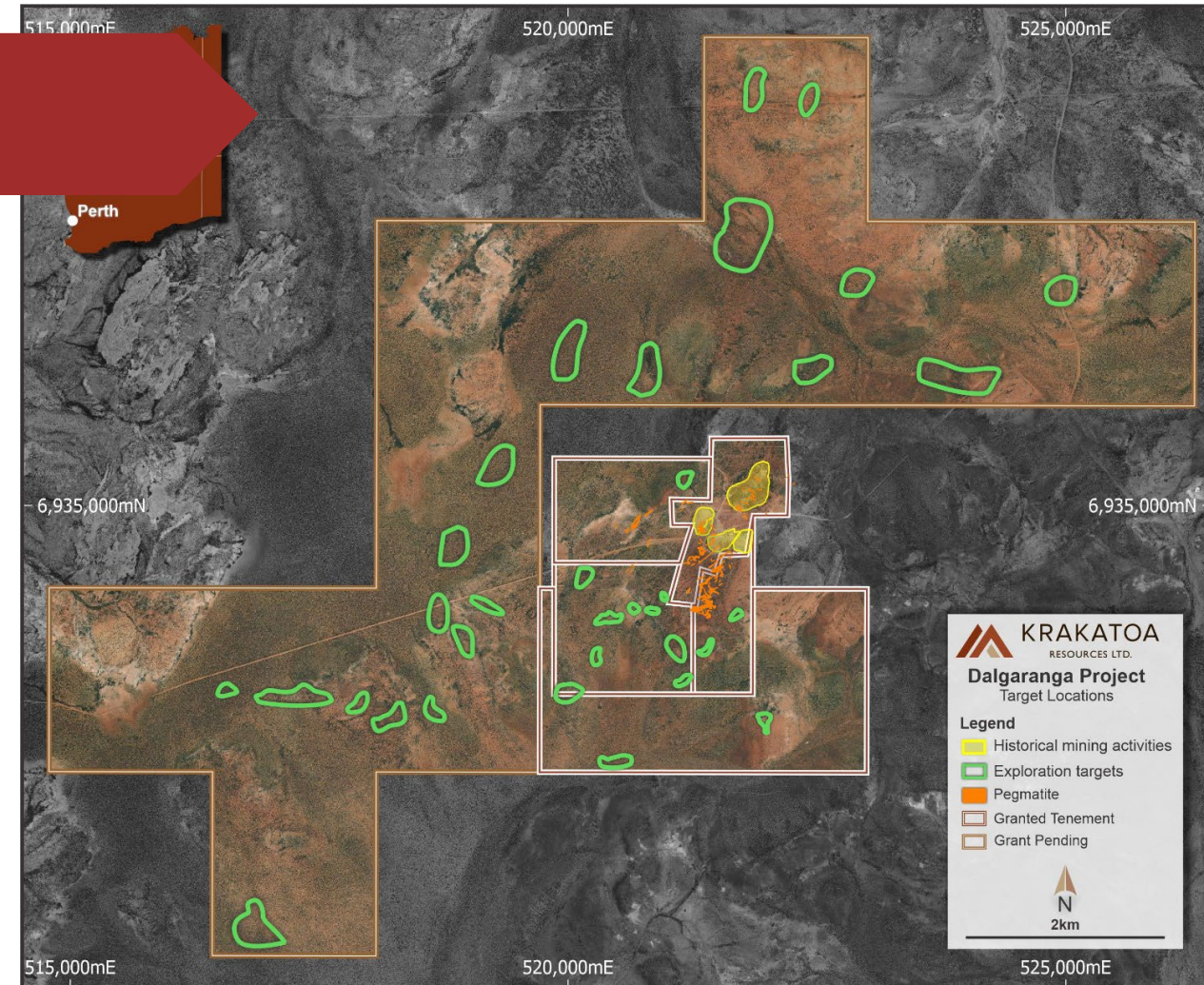
- Extensive LCT pegmatites with Rb, Ta, Cs, Li, Nb and Sn enrichment

Identified

- Wide zones (up to 71m) of Rubidium⁽¹⁾ enrichment
- Exploration Target defined recently ⁽²⁾ ⁽³⁾
- Identified mineralised extensions immediately along strike and east of the open pit

Opportunity

- Completed resource drilling in May-June 2022
- Currently undergoing resource modelling
- Still open with large blue-sky LCT pegmatite swarms



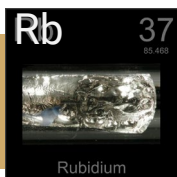
1) Refer to ASX Announcement 31 October 2017 for details.

2) Refer to ASX Announcement 8 November 2021 for details

3) Refer to ASX Announcement 16 June 2017 and 14 August 2017 for details on the sampling exploration and assay methods.

Exploration Target

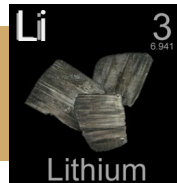
1.47 to 3.18
million tonnes⁽¹⁾



500-2000



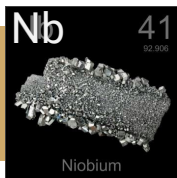
25-100



50-300



50-700



100-500



10-100

Exploration Target Estimate (grades in ppm)

The potential quantity and grade of the Exploration Target is conceptual in nature and is therefore an approximation. There has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource

¹⁾ Refer to ASX Announcement dated 8 November 2021 on the details of the exploration target,.



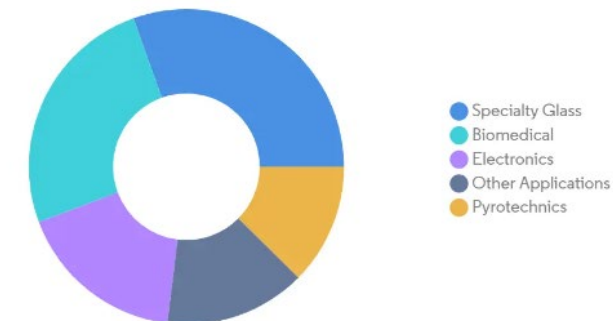
KRAKATOA
RESOURCES LTD.

24

Market Outlook

Rubidium is a high-value metal used for solar panels (photoelectric cells), motion sensor and night vision devices, and medical imaging devices.

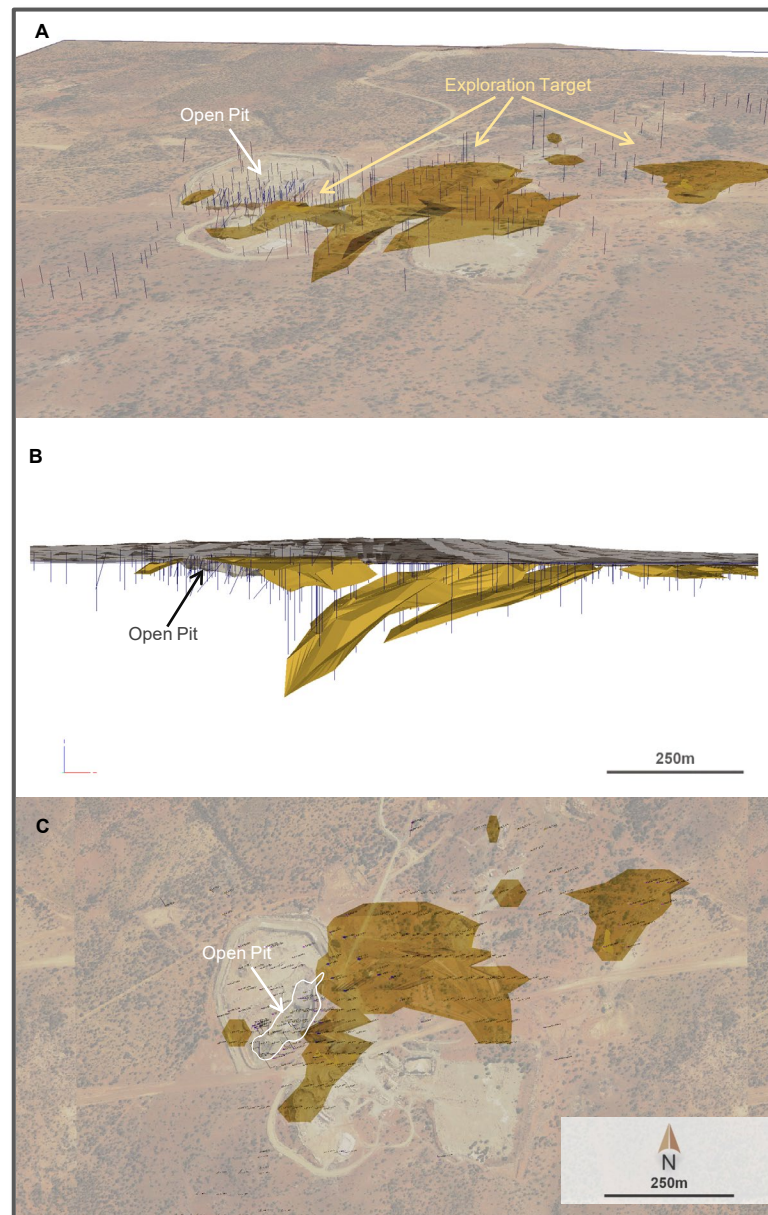
Rubidium Market, Volume Share (%), by Application Sector, Global, 2020



The global market is expected to grow at:

- Rubidium = CAGR +4% through till 2026
- Lithium = CAGR +19% through till 2027
- Tantalum = CAGR +6% through till 2027
- Niobium = CAGR +5% through till 2027

Source: Rubidium Market Size, Share, Growth, Trends | 2022-27 | Report Analysis (mordorintelligence.com)





KRAKATOA
RESOURCES LTD.

ENQUIRIES

Mark Major
mark.major@ktaresources.com



@Krakatoa_Res



company/krakatoa-resources-limited



www.ktaresources.com

ASX:KTA