



PVW
Resources



RIGHT PLACE

RIGHT TEAM

RIGHT TIME

UNLOCKING AUSTRALIA'S NEXT RARE EARTHS DISCOVERY

- ▶ Portfolio expanded with new Gascoyne REE acquisition
- ▶ Gearing up for a new phase of exploration in the Tanami

ASX : PVW

DISCLAIMER

PVW Resources ACN 124 541 466

This document is neither a prospectus nor an offer to subscribe for Shares.

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This document contains reference to certain targets and plans of the Company which may or may not be achieved. The performance of the Company may be influenced by a number of factors, uncertainties and contingencies, many of which are outside the control of the Company and its directors, staff and consultants.

Compliance Statement

The information in this report that relates to REE exploration results is extracted from the ASX announcements dated 13 October 21 titled “Confirmation of high-grade Heavy Rare Earths at Tanami Project (100%)”, Western Australia”, dated 18 November 21 titled “Tanami Rare Earths Project – Exploration Update”, dated 7 December 21 titled “Mineralogy confirms Heavy Rare Earths at Tanami are Xenotime” and dated 8 September 22 titled “Initial drilling confirms widespread heavy rare earth mineralisation at Tanami REE Project, WA” which are available to view on the Company’s website (pvwresources.com.au).

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and that all material assumptions and technical parameters in the relevant announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the original market announcements.

Competent Person’s Statement

The information in this document relating to gold exploration activities is based on information compiled by Mr Karl Weber, a professional geologist with over 25 years’ experience in minerals geology including senior management, consulting, exploration, resource estimation, and development. Mr Weber completed a Bachelor of Science with Honours at Curtin University in 1994; is a member of the Australasian Institute of Mining and Metallurgy (Member No. 306422) and thus holds the relevant qualifications as Competent Person as defined in the JORC Code. Mr Weber is a full-time employee of PVW Resources. Mr Weber has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the ‘Australasian Code for Reporting of Exploration results, Mineral Resources and Ore Reserves’. Mr Weber consents to the inclusion in this document of the matters based on his information in the form and context in which it appears.

Searching for the next big discovery

- ▶ Specialist team – proven track record of Rare Earth Elements (REE) discovery and development
- ▶ Focussed on REE in Western Australia
 - ▶ Tanami REE Project, WA:
 - **18km long corridor** with strong potential for a major new unconformity-hosted heavy REE discovery
 - Watts Rise delivers drill ready target over 1km
 - **Widespread REE mineralisation** in initial RC and AC drilling
 - Significant high-grade **gold potential**
 - ▶ Gascoyne REE Project, WA:
 - New province for carbonatite hosted LRE deposits
 - Along strike from Kingfisher (ASX:KFM 18 January 2023, Large Scale Carbonatite REE Targets Identified at Arthur River.)
 - Regionally hosts Hasting's Yangibana (ASX: HAS) and Dreadnought's Yin (ASX:DRE) Mineral Resource Estimates.
- ▶ Well-funded: **\$5.3m cash**
- ▶ Deep portfolio of gold projects in Tier-1 locations

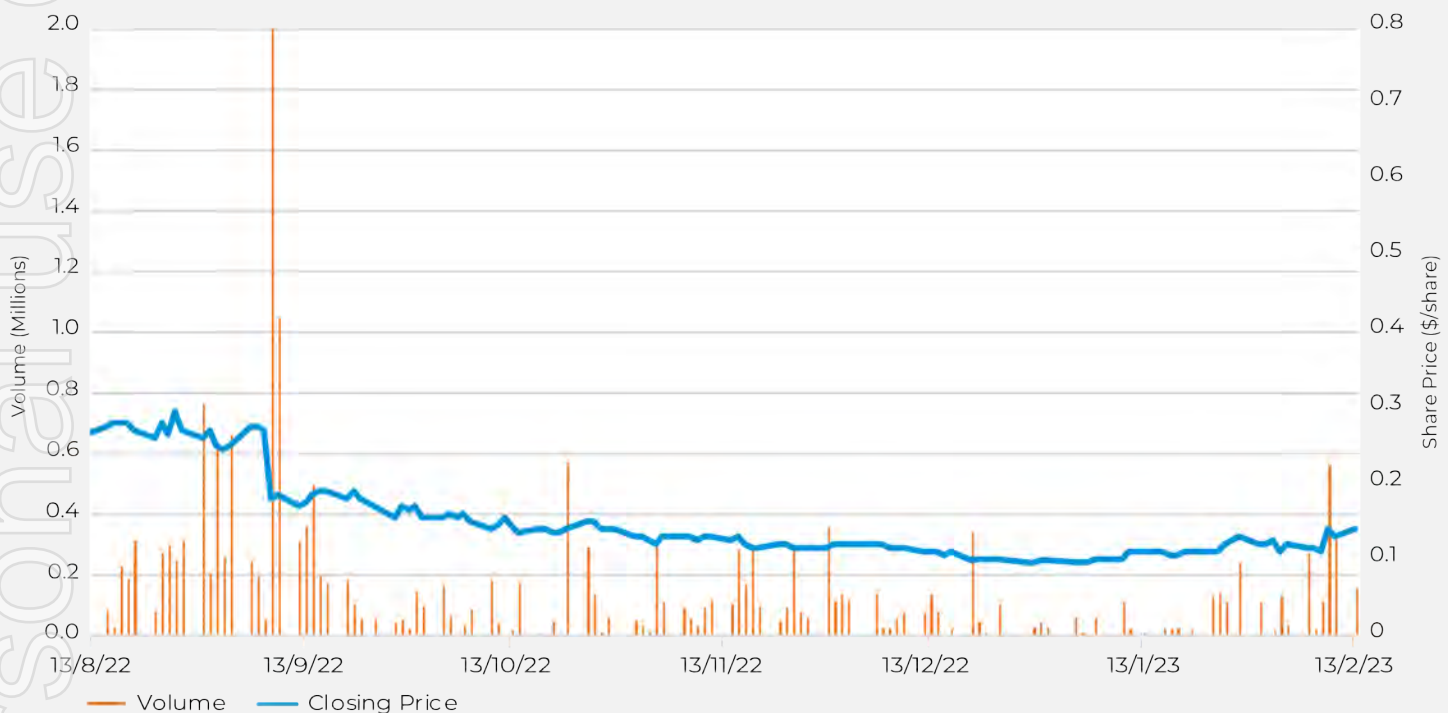


CORPORATE OVERVIEW



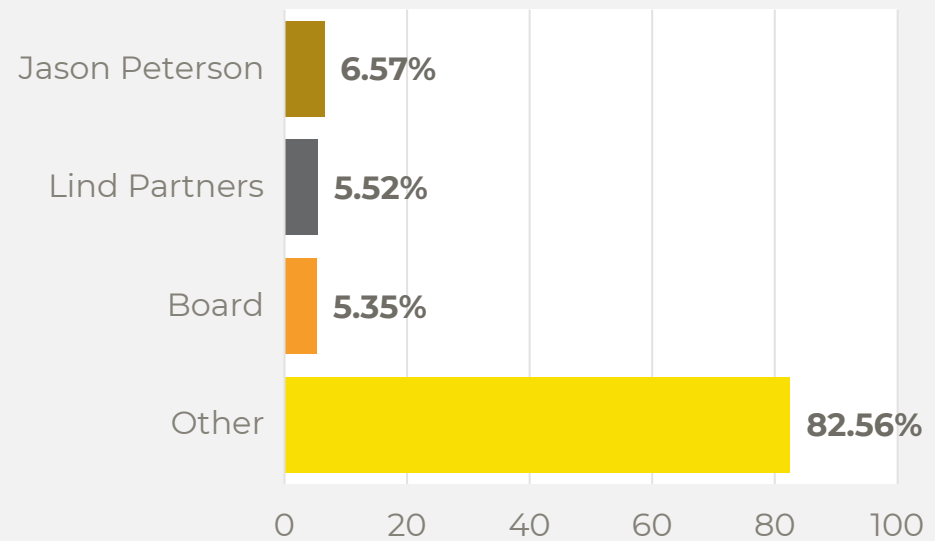
<p>Shares on issue</p> <p>98,463,601</p>	<p>Share price</p> <p>14 cents</p>	<p>Market capitalisation</p> <p>\$13.8m</p>	<p>Cash at bank*</p> <p>\$5.3m</p>
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Share price performance (ASX:PVW)



Top shareholders

Top 100 own 62.6%



BOARD AND MANAGEMENT



DAVID WHEELER
NON-EXECUTIVE CHAIRMAN

- David has more than 30 years of Senior Executive Management, Directorships, and Corporate Advisory experience.
- He is a foundation Director and Partner of Pathways Corporate a boutique Corporate Advisory firm
- David has engaged in business projects in the USA, UK, Europe, NZ, China, Malaysia, Singapore and the Middle East.
- David is a Fellow of the Australian Institute of Company Directors
- Currently holding a number of Directorships and Advisory positions in Australian companies.



GEORGE BAUK
EXECUTIVE DIRECTOR

- An experienced executive/director with 30 years in the resources industry.
- **Former MD/CEO of Northern Minerals 2010 to 2020. Responsible for the successful development of the Northern Minerals Browns Range REE Project.**
- Global operational and corporate roles with Northern Minerals, WMC Resources and Western Metals.
- George has a strong background in building companies, with a variety of commodities – in particular rare earths, graphite, lithium, gold, nickel and uranium.
- George is currently Chairman of: Lithium Australia, BlackEarth Minerals and Valor Resources.



COLIN MCCAVALANA
NON-EXECUTIVE DIRECTOR

- Colin has over 40 years' experience in the mining and resources sector and has extensive experience in exploration, project development, capital raising, financing, operations.
- He has had extensive involvement in rare earths and **gold exploration and development** including the successful development of several CIP and heap leach projects in WA.
- Colin is also Chairman of Reward Minerals Limited.
- **Colin was the founding director of Northern Minerals and PVW Resources and oversaw the development of the Browns Range REE Project.**



JOE GRAZIANO
COMPANY SECRETARY

- Joe has over 30 years' experience providing a wide range of business, financial and taxation advice.
- Over the past 7 years he has been focused on Corporate Advisory and strategic planning with Corporations and Private Businesses.
- He has extensive experience in Capital Raisings, ASX compliance and regulatory requirements.
- Joe is currently a director of Pathways Corporate Pty Ltd a specialised Corporate Advisory business and sits on several Boards of ASX Listed Companies.
- He also provides CFO and Company Secretarial services as part of his service offering.



KARL WEBER
EXPLORATION MANAGER

- Karl has over 25 years of experience within a diverse career in **gold and base metal exploration** within Australia and Internationally.
- He has held technical and management positions with Mines and Resources Australia (COGEMA), Harmony Gold, Venturex Resources (Brazil) and Gascoyne Resources.
- His roles include geologist, manager and country manager.
- He has held roles in many successful teams taking projects from discovery through resource definition to mining. Projects include White Foil and Frog's Leg.



ROBIN WILSON
CONSULTANT GEOLOGIST

- Robin has held senior exploration positions in several exploration and mining companies, including Polaris Metals, Tanganyika Gold, Troy Resources and CRA Exploration.
- **Between 2006 and 2021 Robin led the Northern Minerals exploration team that discovered the Browns Range REE deposits that has produced HRE carbonate.**
- He also spent 5 years working in oil and gas exploration for Woodside Energy.
- During nearly 30 years of involvement in mineral exploration, Robin has worked on rare earths, gold, nickel, REE, uranium, copper, lithium and phosphate projects throughout Australia and Africa.



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RIGHT PLACE

RIGHT TEAM

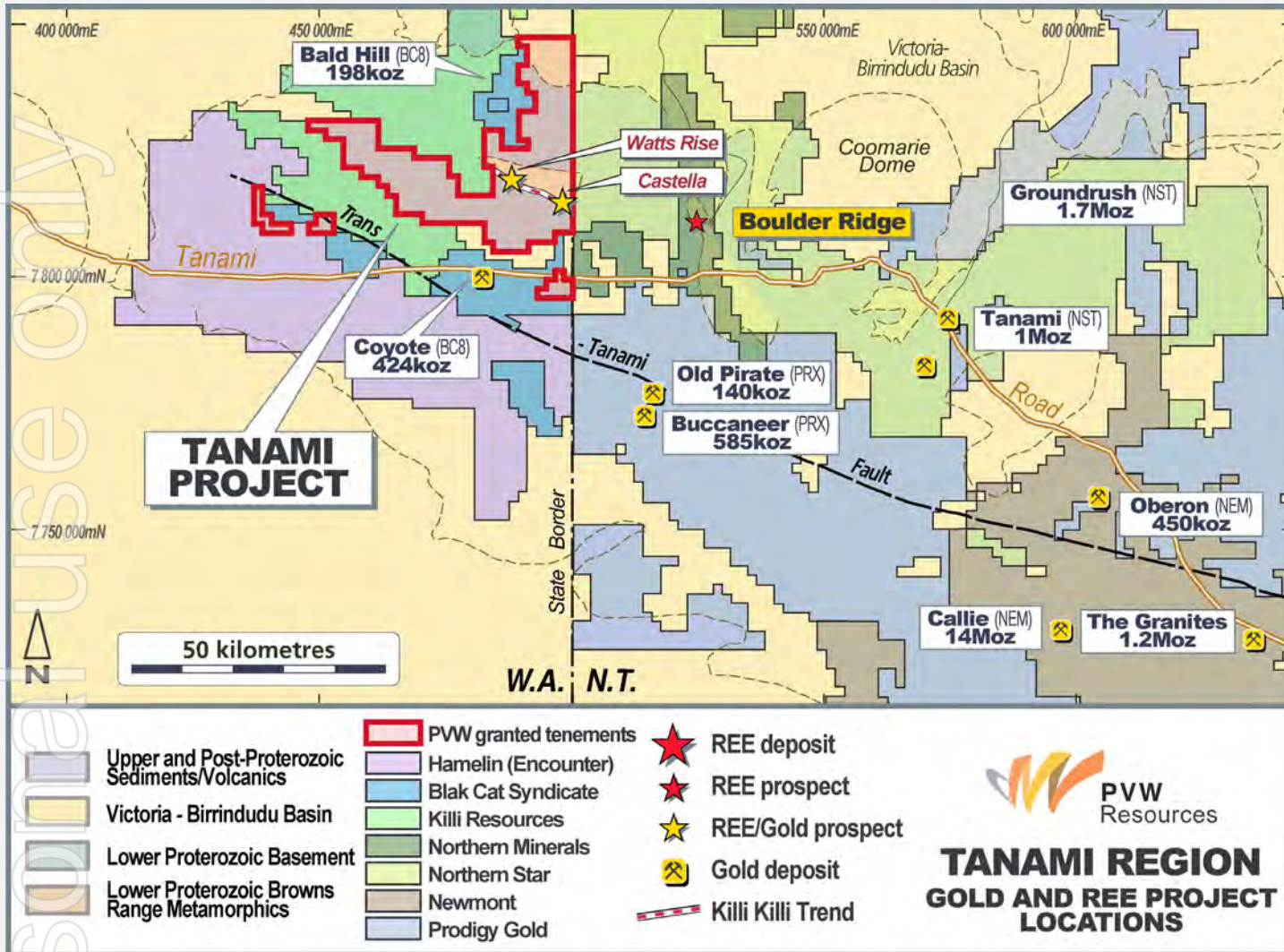
RIGHT TIME

RIGHT PLACE – TANAMI REE AND GOLD

Large-scale discovery potential in Australia's new Heavy Rare Earth province

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TANAMI – AN EMERGING HEAVY RARE EARTHS PROVINCE

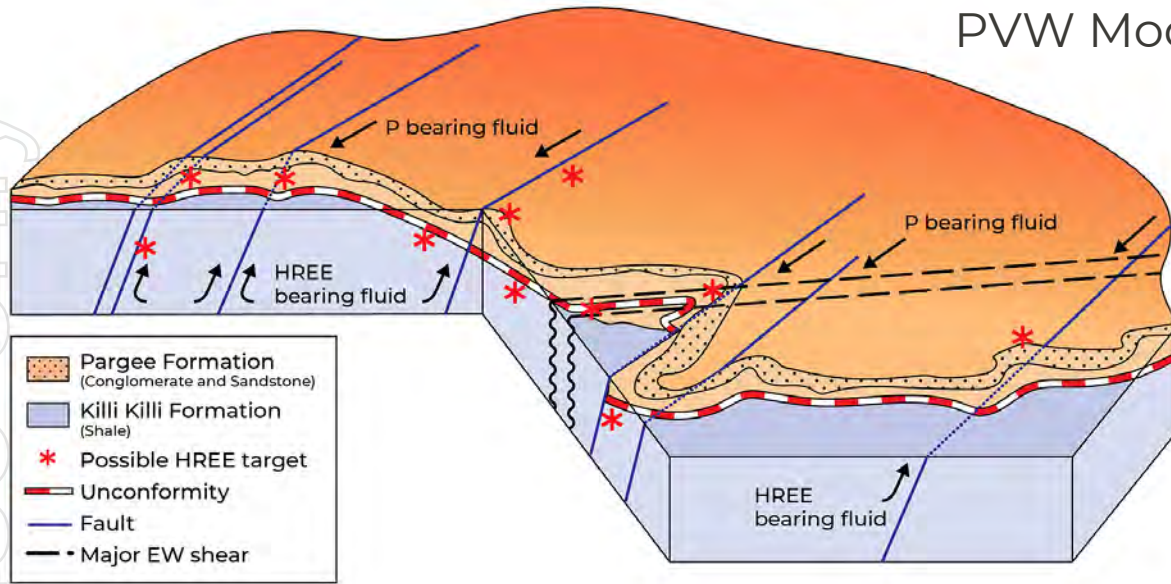


- ▶ ~1,270km² project, majority with limited exploration
- ▶ Systematic testing of key targets undertaken in 2022
- ▶ Located within 15km of the Tanami Road – major upgrade underway
- ▶ Hydrothermal unconformity-related REE mineralisation identified at Watts Rise and Castella
- ▶ Targeting the highly prospective contact/unconformity between the Pargee Sandstone and the Killi Killi Formation, **drilling has highlighted multiple new targets and target styles.**
- ▶ Northern Minerals' Browns Range Project is ~90km to the north – ILLUKA entered into a strategic partnership with Northern Minerals in October 2022, highlighting strong interest in REE and the region

THREE KEY INGREDIENTS DRIVING THE EXPLORATION.



PVW Model



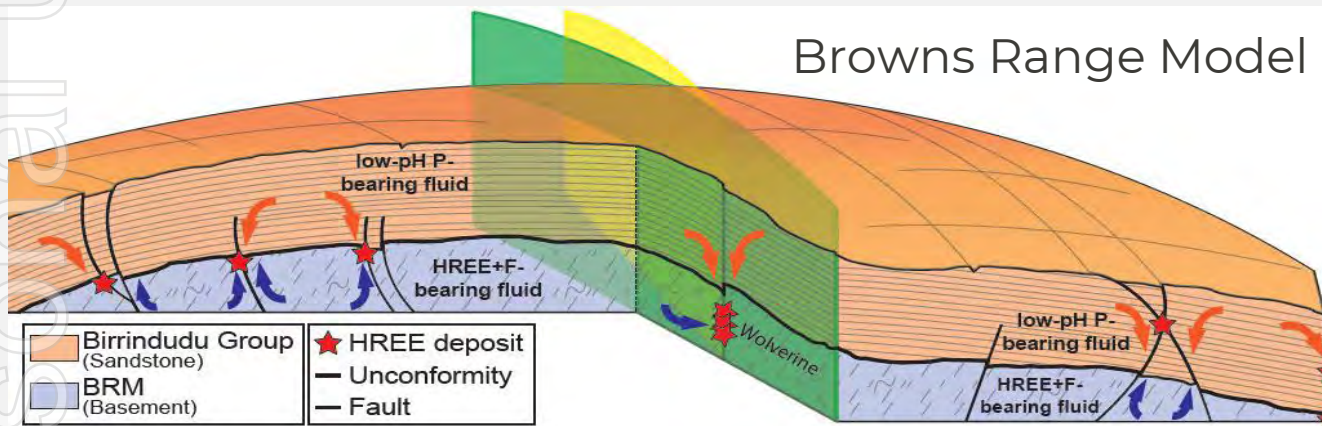
The right stratigraphic setting

Favorable hosts – unconformity between the Pargee Sandstone and Killi Killi Formation, breccia within the Killi Killi Formation, **and NEW mafic targets.**

The right style of mineralisation

Extensive surface mineralisation, mineralisation seen in RC drilling and in wide spaced air-core includes HREE in Xenotime, and a **NEW mafic hosted and saprolite hosted mineralisation.**

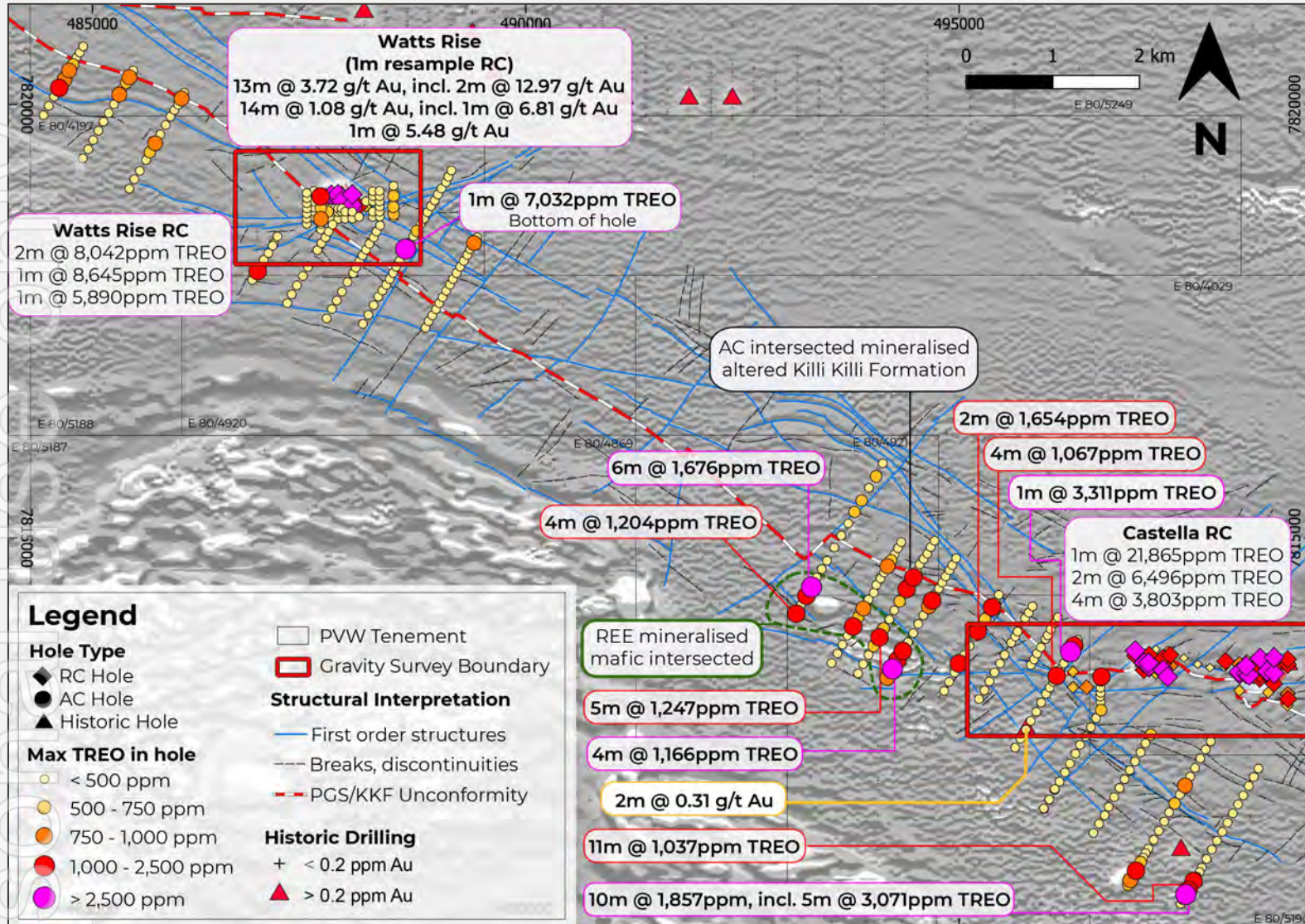
Browns Range Model



The right plumbing system

Structures (faults and folds) are present, offsetting and deforming the unconformity. The **NEW breccia target identified is an important component of the plumbing.**

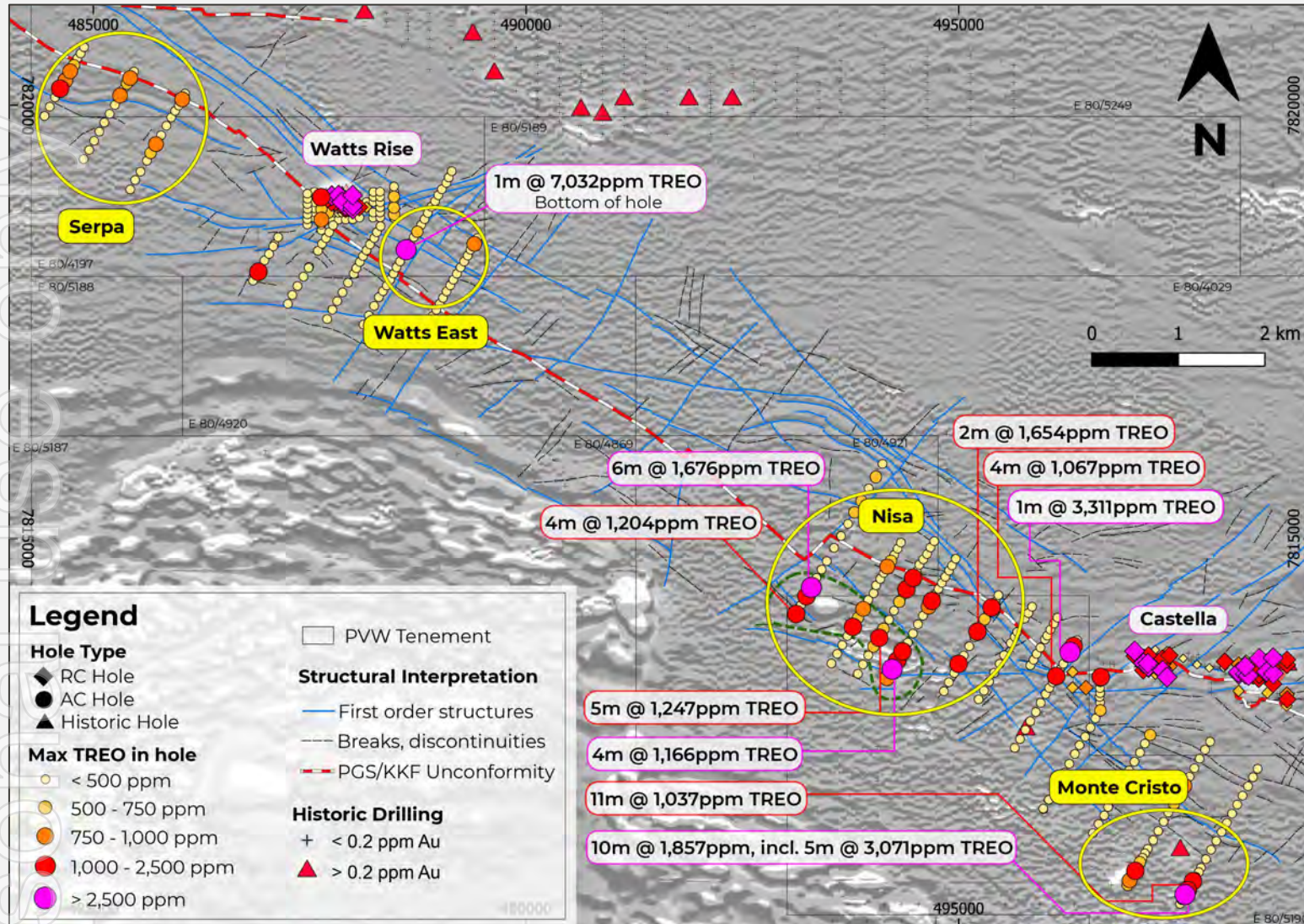
2022 EXPLORATION CAMPAIGN OPENS UP THE PROJECT.



2022 program complete

- ▶ Watts Rise and Castella RC drilling. 10,727m
- ▶ Regional air-core drilling 12km of prospective strike tested. 16,206m
- ▶ Watts Rise and Castella ground gravity surveys field data collection.
- ▶ Geological mapping and Geochemistry review.
- ▶ Gravity data processing and interpretation well advanced.
- ▶ **REE and Gold Assays returned.**

2022 REGIONAL AIR-CORE – CONFIRMS AND ADDS REE TARGETS



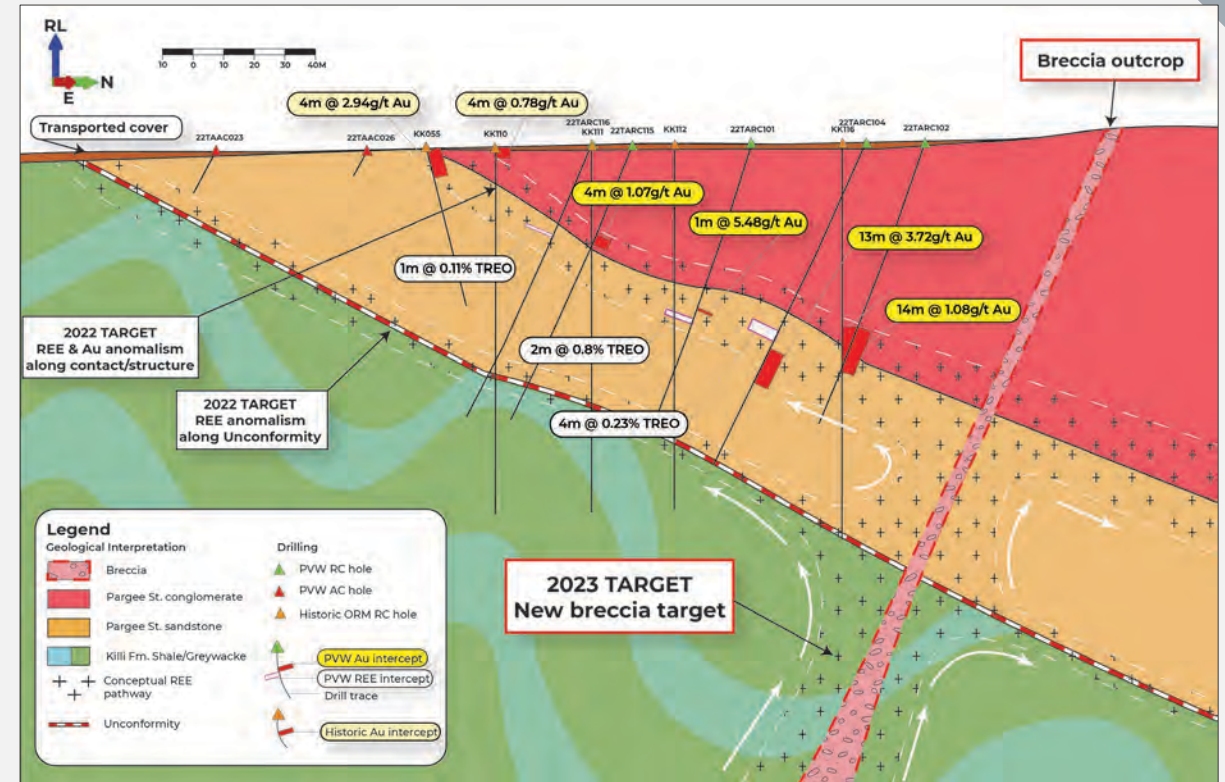
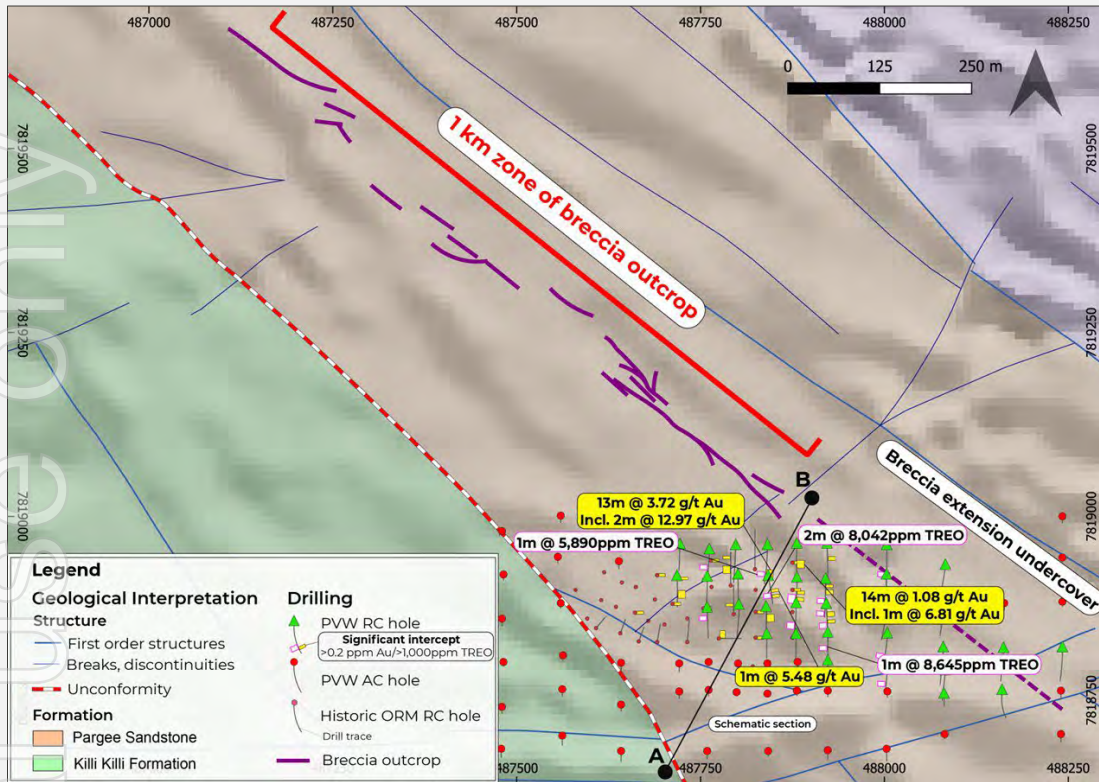
RC drilling confirmed narrow REE mineralisation at Watts and Castella.

Air-core – TREO Results:

- ▶ Monte Cristo (Killi Kill Fm – Saprolite Mafic Host)
 - **10m @ 1,857ppm TREO** (from 19m including **5m @ 3,071ppm TREO** (65% HREO).
 - **11m @ 1,037ppm TREO**
- ▶ Watts East (Watts Rise Extension?)
 - **1m @ 7,032ppm TREO** from 30m (93% HREO).
- ▶ Nisa (Killi Killi Fm Mafic and Unconformity)
 - **6m @ 1,676ppm TREO** from 35m

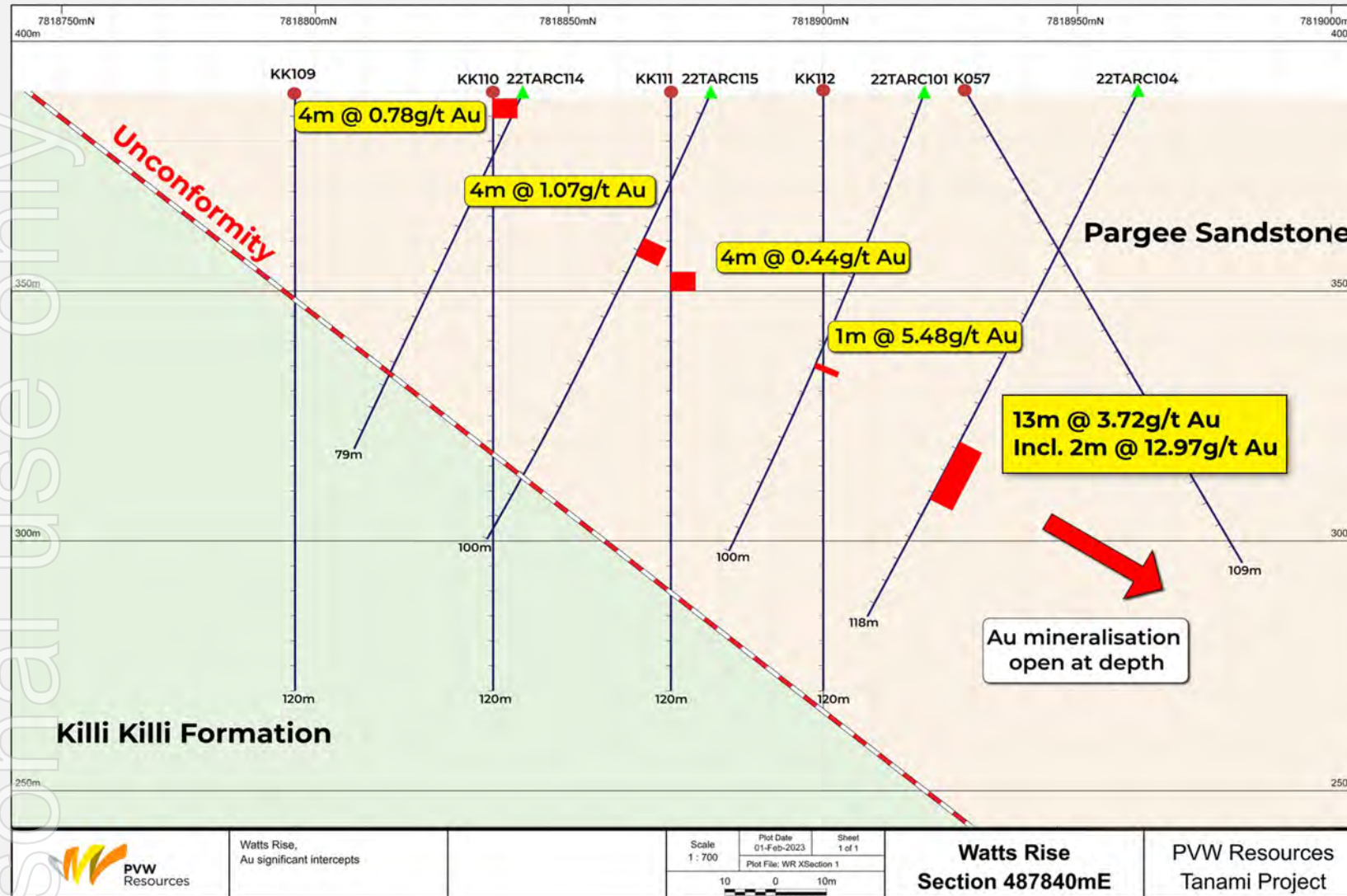
Wide spaced air-core campaign defines **multiple new REE drill targets.**

2022 RC DRILLING – POSITIVE RESULTS AND NEW CONCEPTS



- ▶ RC drilling results at Watts Rise provided high grade gold results and positive TREO results.
- ▶ Mapping located breccia zone in outcrop that provided a NEW exploration target for 2023.
- ▶ Relationship between breccia/REE/gold will be tested with Diamond drilling in 2023.
- ▶ The potential along strike remains untested.

2022 RC DRILLING – HIGH GRADE GOLD RESULTS



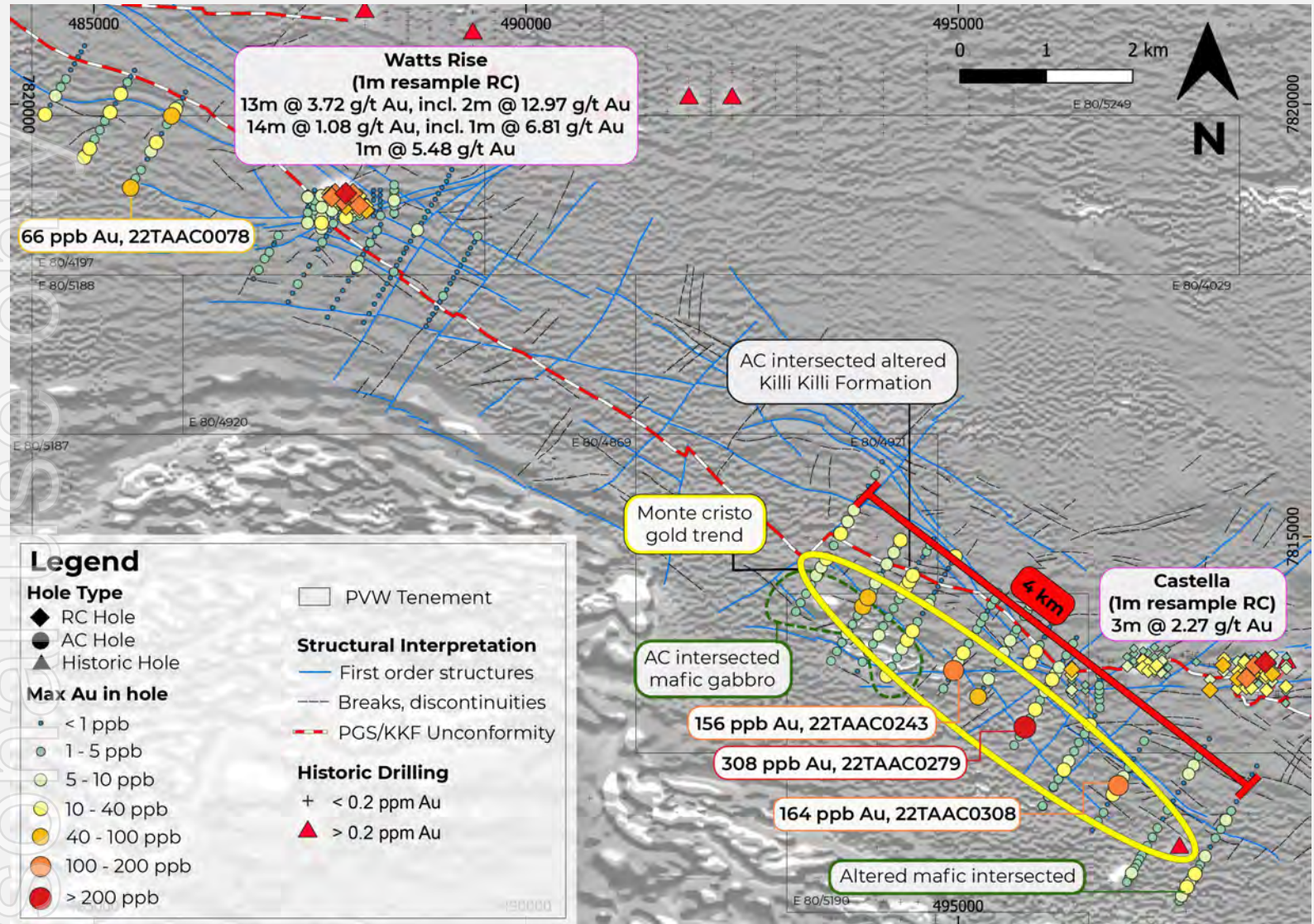
2022 RC drilling results

High Grade results. Open at depth and open along strike. Results include:

- **13m @ 3.72 g/t Au** from 79m, incl. **2m @ 12.97 g/t Au** from 79m, and incl. **1m @ 11.55 g/t Au** from 83m
- **14m @ 1.08 g/t Au** from 64m, incl. **1m @ 6.81 g/t Au** from 76m
- **1m @ 5.48 g/t Au** from 59m

Multielement Geochemistry confirms gold mineralisation has a different metallogenic signature to the REE mineralisation.

2022 REGIONAL AIR-CORE – RIGHT STRATIGRAPHY AND GOLD



2022 Air-core gold

Air-core results identify a regional gold trend over 4km at Monte Cristo including:

2m @ 0.31g/t Au (308ppb Au),
 from 68m to end of hole

Reconnaissance air-core drilling undertaken over only 12km strike

Anomalous results are highly encouraging – confirm gold mineralisation within the right stratigraphy, including mafic intrusives

Multi-element geochemistry work has provided a pathfinder suite to help vector towards mineralisation and reduce assay costs



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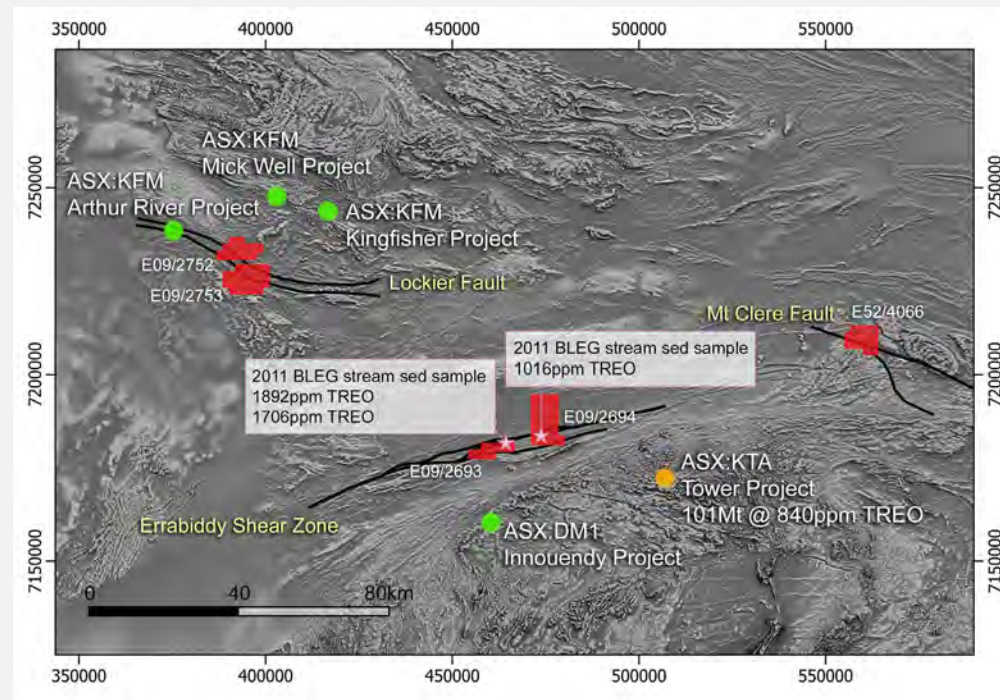
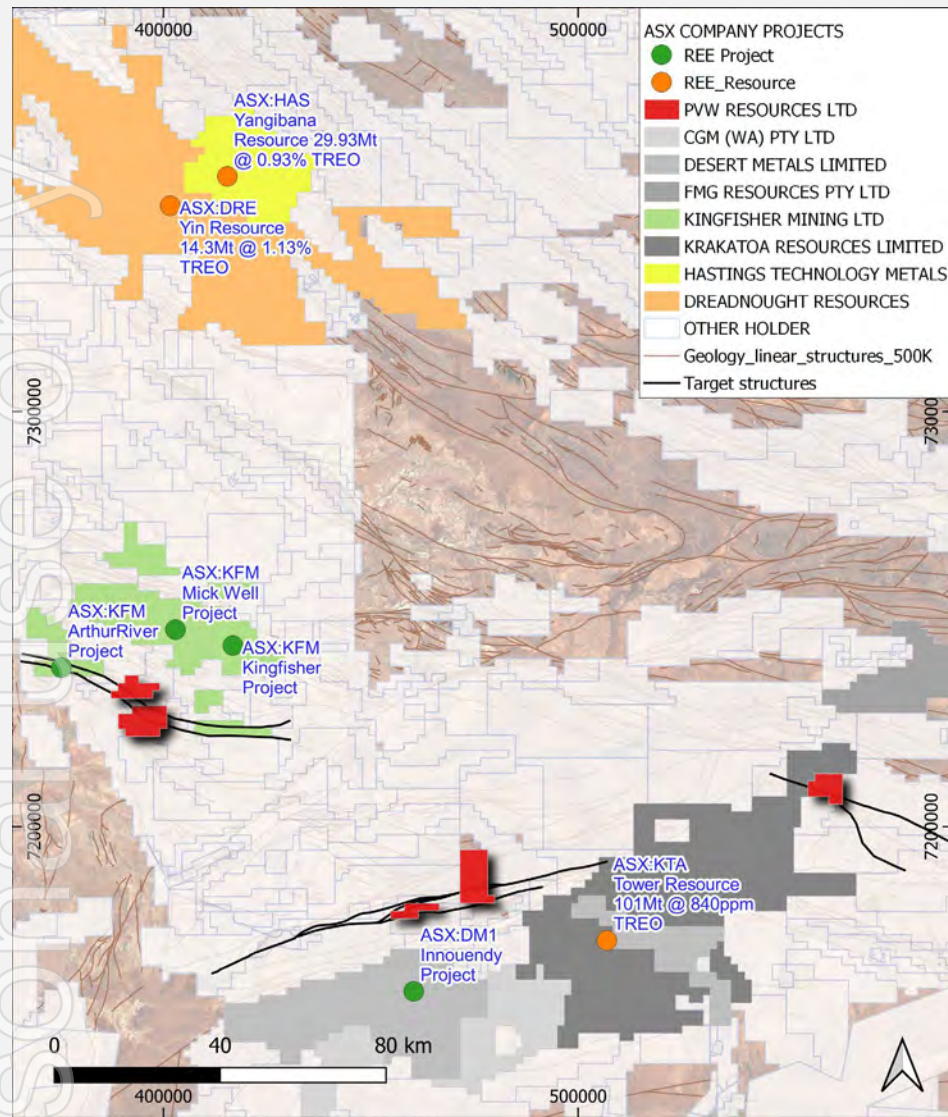


GASCOYNE

New project accessing the Gascoyne Province REE prospectivity

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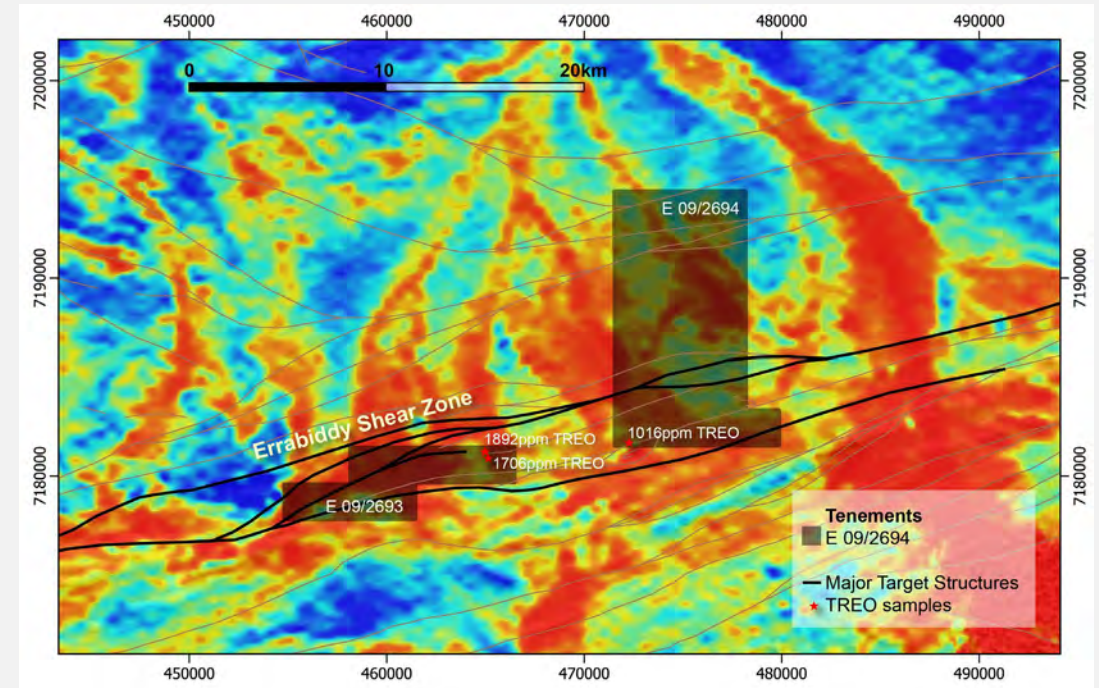
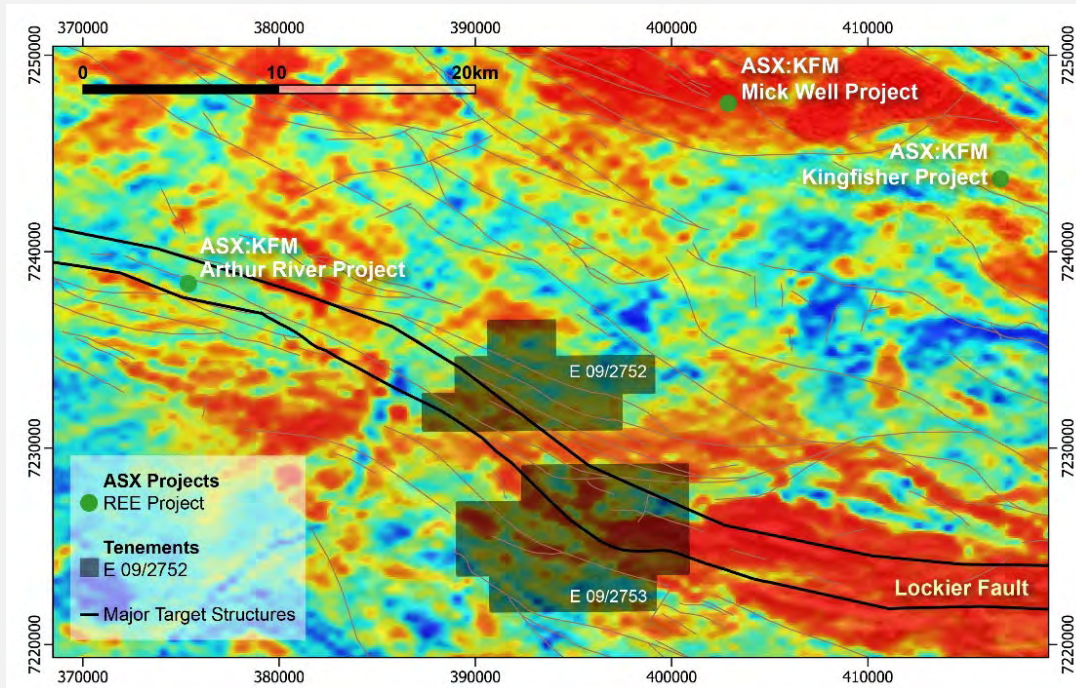
GASCOYNE COMPLEMENTING THE TANAMI REE PORTFOLIO



Gascoyne Province – new project with REE potential

- ▶ Five tenements 316km² secured over regional targets within the quickly advancing Gascoyne Province.
- ▶ Anomalous TREO stream sediment samples
- ▶ Extension of the Lockier Shearzone into PVW tenure, Lockier Shearzone is the REE target at Kingfisher’s (ASX:KFM) Arthur River Project.

GASCOYNE COMPLEMENTING THE TANAMI REE PORTFOLIO



Acquisition – key terms

- ▶ The acquisition of the project tenement holders (being Rare Metals Group PL and Tiger Metals PL)
- ▶ On execution, \$40,000 cash and 1.578m shares (6 month escrow)
- ▶ \$200,000 shares (\$50,000 per tenement) on granting or 6 months whichever is the earlier
- ▶ \$200,000 shares (10 day VWAP) on intersecting a minimum of 5m @ 5,000ppm TREO
- ▶ 550,000 shares to CPS Capital – asset introduction fee



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RIGHT PLACE

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RIGHT TEAM, RIGHT TIME FOR RARE EARTHS

Ideal timing to discover and develop new independent sources of supply

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RARE EARTHS ARE CRITICAL TO MANY INDUSTRIES

Light Rare Earths														Heavy Rare Earths			
Lanthanum 57 La 138.91	Cerium 58 Ce 140.12	Praseodymium 59 Pr 140.91	Neodymium 60 Nd 144.24	Samarium 62 Sm 150.36	Europium 63 Eu 151.96	Gadolinium 64 Gd 157.25	Terbium 65 Tb 158.93	Dysprosium 66 Dy 162.50	Holmium 67 Ho 164.93	Erbium 68 Er 167.26	Thulium 69 Tm 168.93	Ytterbium 70 Yb 173.04	Lutetium 71 Lu 174.967	Yttrium 39 Y 88.906			



- ▶ Underpins the best technology for permanent magnets

- ▶ Permanent magnets are a critical component of the EV future:

- Permanent magnet motors are:

- ~15% more efficient than induction motors
 - 4–5 times cheaper than induction motors

- ▶ Permanent magnets are essential to critical defence technology

- ▶ Tanami region currently hosts a critical deposit and processing facility at Northern Minerals' Browns Range REE Project

- ▶ Gascoyne region has two developing LRE deposits rich in Neodymium and Praseodymium

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Rare Earths have emerged as a critical part of the New World



THE AUSTRALIAN

Forrest's Fortescue to join rare earth race



Fortescue Metals executive chairman Andrew Forrest speaking at the Fortescue Metals AGM. Photo: Matt Johnson/AAAP Images

By NICK EVANS

Aa  

Fortescue Metals executive chairman Andrew Forrest has signalled the company hopes to open up a business mining and refining rare earths, as the iron ore giant looks to reshape its mining portfolio around metals needed for a global energy transition.

Speaking at Fortescue's annual shareholder meeting in Perth on Tuesday, Dr Forrest said the company had "kicked off a global stream of work in South America" aimed at securing access to critical minerals.

Dr Forrest did not give any details of Fortescue's plans to join Lynas and Iluka Resources in the race to produce rare earth metals, but suggested the company was looking for projects it could use as an integrated part of its push to deliver renewable energy generation and renewable hydrogen across the world.

Rare earths are used in a host of high technology applications, but are essential ingredients in the high intensity magnets needed to make wind turbines.



THE AUSTRALIAN

Rare earths gateway to next mining boom



Federal Treasurer Jim Chalmers. Photo: Aronah Hooper

By GEOFF CHAMBERS

Aa  

Jim Chalmers has outlined his vision for a foreign investment boom in critical mineral industries to seize the "opportunity of the century" and prevent Beijing from controlling the global tech supply chains of the future.

Speaking at The Australian-PwC critical minerals summit in Sydney on Friday, the Treasurer warned that Australia must be "clear-eyed about the fact that more and more critical minerals will become a locus of geo-economic competition".

Dr Chalmers says that countries must avoid the pitfalls of a concentrated global market.

China currently dominates the mining of rare earths, tech supply chains from start to finish and the processing of lithium, despite Australia being the world's largest producer of the mineral.

"In 2022, you don't need to look that far back or that far forward to appreciate the challenges and risks that such concentration can pose," Dr Chalmers said. "This kind of concentration creates supply chains that are especially vulnerable to disruption – with economic consequences that are far-reaching and deeply-felt."

Rinehart revs up in rare earths, gains lead in Warrego race



Dec 5, 2022 - 12:48pm

Gina Rinehart's Hancock Prospecting, armed with an \$18 billion investment war chest, has turned its attention to rare earths and appears to have set the scene for an intriguing battle for strategic assets with Andrew Forrest's Fortescue Metals Group.

The two Perth-based iron ore billionaires – Mrs Rinehart holds top spot on *The Australian Financial Review* Rich List and Dr Forrest is in second place – have both signalled their intentions to become major players in rare earths.

Hancock grabbed a big stake in Arafura Rare Earths on Monday amid a flurry of corporate activity that shows how serious Mrs Rinehart is about expanding her private company's footprint in green minerals as well as winning a takeover battle for Warrego Energy and its onshore gas assets.

New rare earths player begins trading with Ellison backing



Jan 9, 2023 - 5:00am

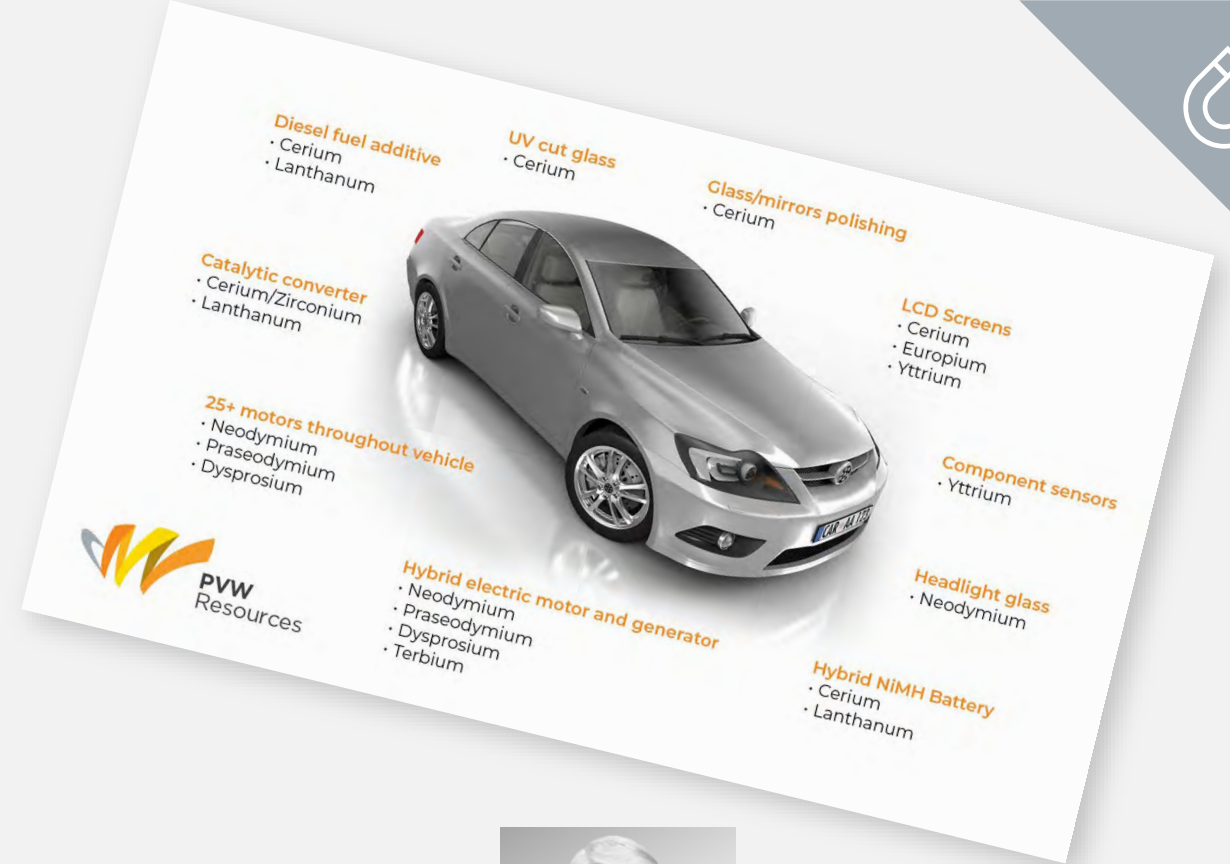
 

Chris Ellison-backed VHM Limited says it is in talks with established rare earths players in Australia as it starts life as a public company and aims to become a globally significant supplier of the critical mineral from a mine in rural Victoria.

VHM will begin trading on the ASX on Monday with a market capitalisation of about \$265 million after raising \$30 million at a \$1.35 a share.

A TEAM OF REE EXPERTS

Our REE experts, who were involved in the discovery of the Browns Range REE deposits and led Northern Minerals from greenfields exploration to production, **are ready to do it again, differently.**



George Bauk, former Northern Minerals MD/CEO, 2010–20 and led the transition to a producer of HRE carbonate.



Robin Wilson, former Northern Minerals Exploration Manager, credited with discovery of Browns Range.

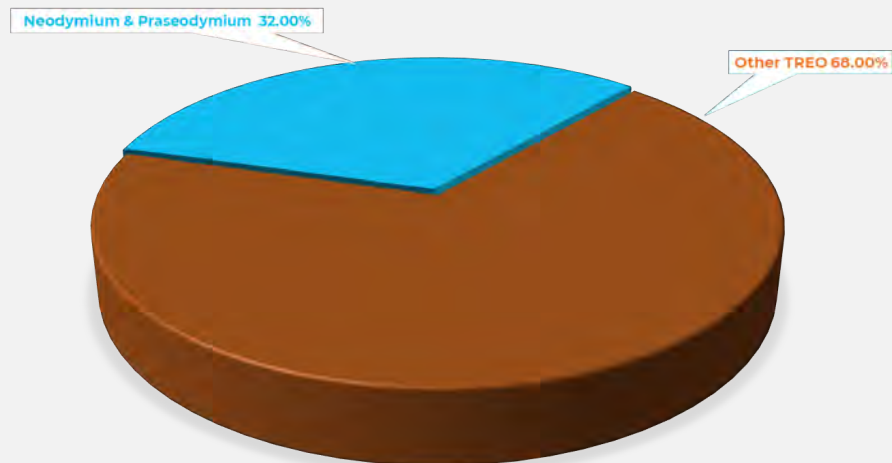


Colin McCavana, founder and former Northern Minerals Chairman who oversaw the company's development.

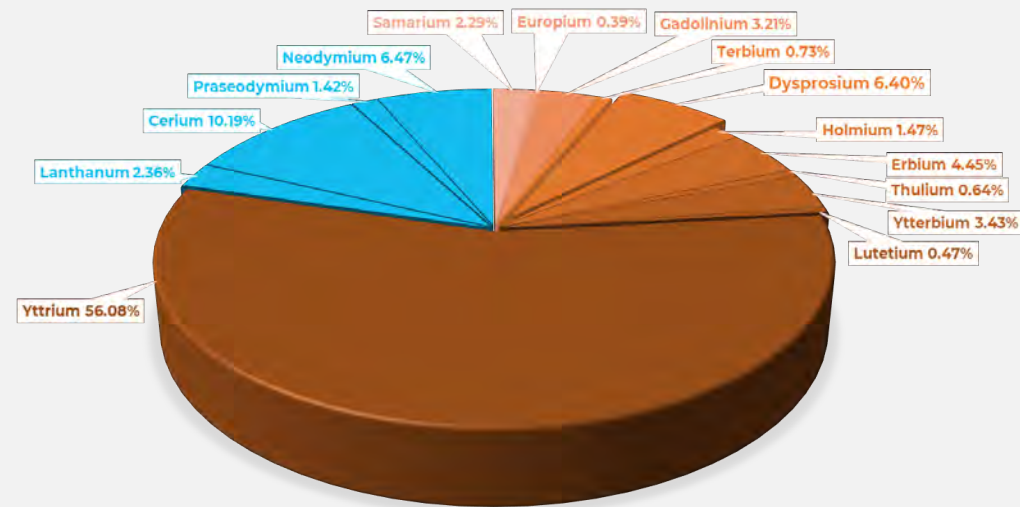
GASCOYNE COMPLIMETING THE TANAMI REE PORTFOLIO



Tanami ASX:PVW HUREE (xenotime)	La	Ce	Pr	Nd	Eu	Gd	Tb	Dy	Yb
	7.9%				7.1%				
Gascoyne ASX:HAS Carbonatite (monazite)			Pr + Nd						
			32%						



Pie chart showing average distribution of Nd + Pr oxide in the TREO, Hastings Yangibana, October 2022 Mineral Resource Estimate, source ASX: HAS release 06 February 2023.



Pie chart showing average distribution of REO for all samples with TREO >1%

PVW – KEY TAKEAWAYS

- ▶ Tanami Heavy REE project has all the ingredients to be a **company-making, globally significant discovery**
- ▶ Gascoyne REE project is located in the heart of the emerging Gascoyne REE province in WA
- ▶ Board and management team with first-hand experience in taking a greenfields REE discovery through to production – **ready to do it again, differently**





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THANK YOU



Scan here to join
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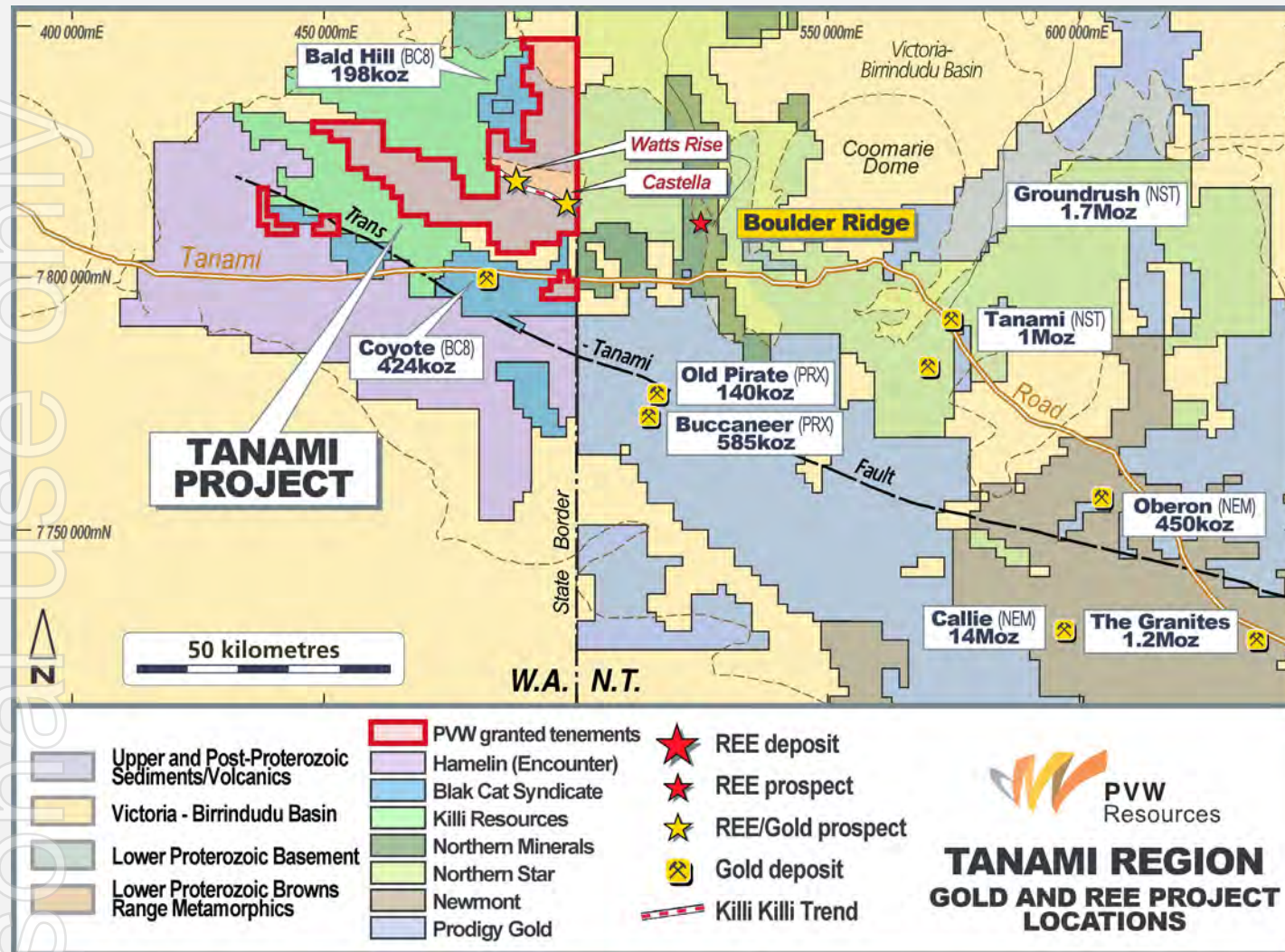
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APPENDICES

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TANAMI – UNDER-EXPLORED GOLD PROVINCE



Callie gold deposit, Newmont (Reserve 33.2Mt @ 5.3g/t Au) is an example of the potential within the Tanami. It is one of the most productive gold mines in Australia.

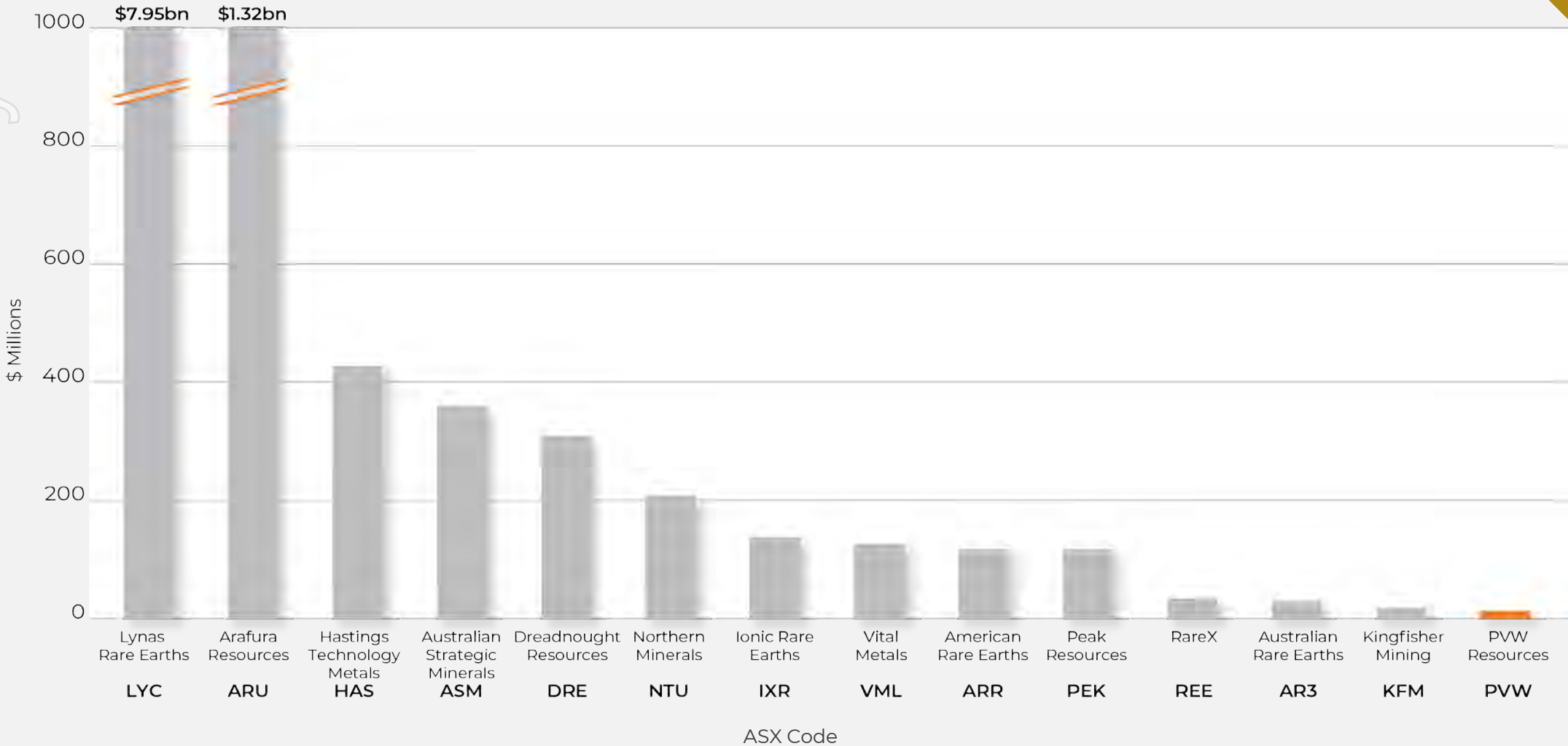
Discoveries pending ...

- ▶ PVW's tenure straddles prospective stratigraphy and structure
- ▶ Majors have invested in exploration via earn-in for projects in the region
- ▶ Modern active junior explorers in the region – Killi Resources and Hamelin Gold
- ▶ Black Cat Syndicate (ASX:BC8) acquisition of Coyote Gold Operation – 2022. Resource update 16 January 2023 – include 59% increase in Coyote Central to 424koz @ 8.8g/t Au.

RARE EARTH COMPANIES – MARKET CAPITALISATIONS



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Based on Market Capitalisations, 1 Feb 2023



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OTHER PROJECTS

Exploring in Tier-1 Jurisdictions

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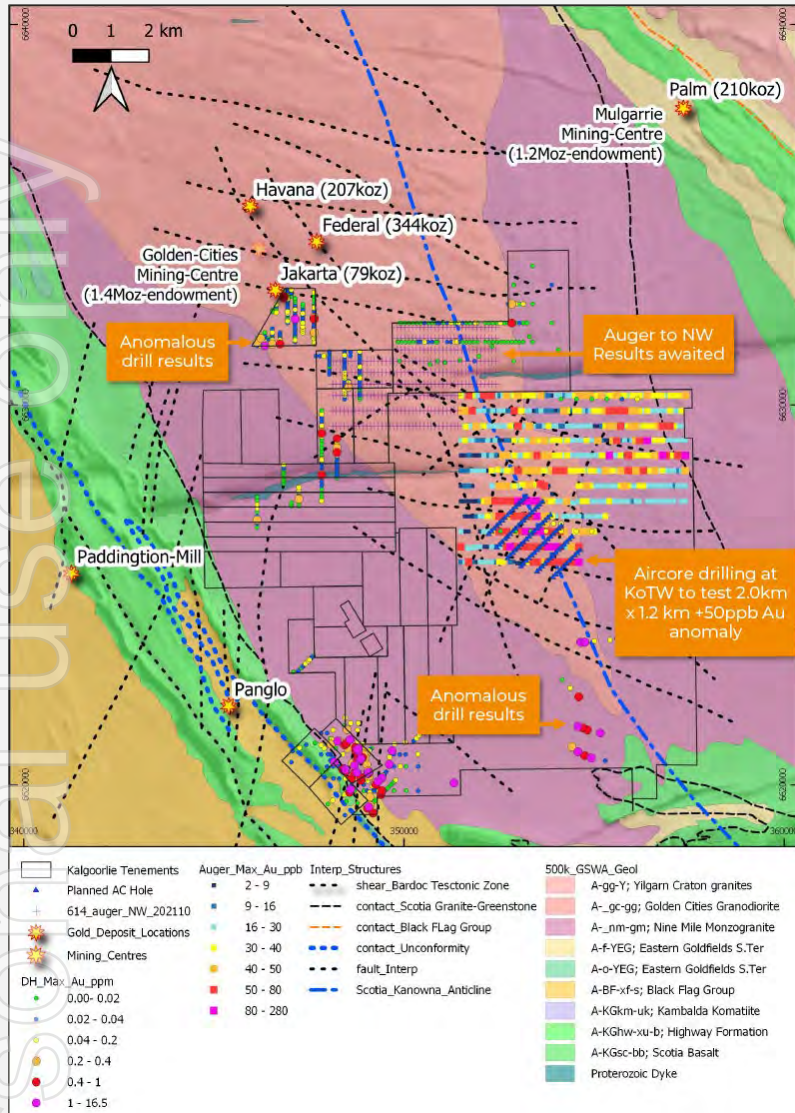
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KALGOORLIE

New ground, results and targets

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KALGOORLIE – KING OF THE WEST EXPLORING UNDER COVER



King of The West auger +50ppb Au anomaly

The main 2km long anomaly is 8km southeast from Golden Cities operations: Havana, Federal and Jakarta open pits.

- ▶ Located over major structures, including the hinge-line which defines the Scotia – Kanowna Anticline, southeast to Kanowna Belle
- ▶ Interpreted faults analogous to Golden Cities mineralisation, controlled by northeast dipping shears within hornblende biotite granodiorite
- ▶ The auger anomalism is open to the south. Anomalous historical drill results located 4km to the south
- ▶ Drilling program testing for mineralisation with vertical Aircore drill holes completed on a 400 x 100m grid

For details please refer to announcement ASX:PVW, 6 Sep 2021, Kalgoorlie Exploration – Positive Aircore and Auger Results



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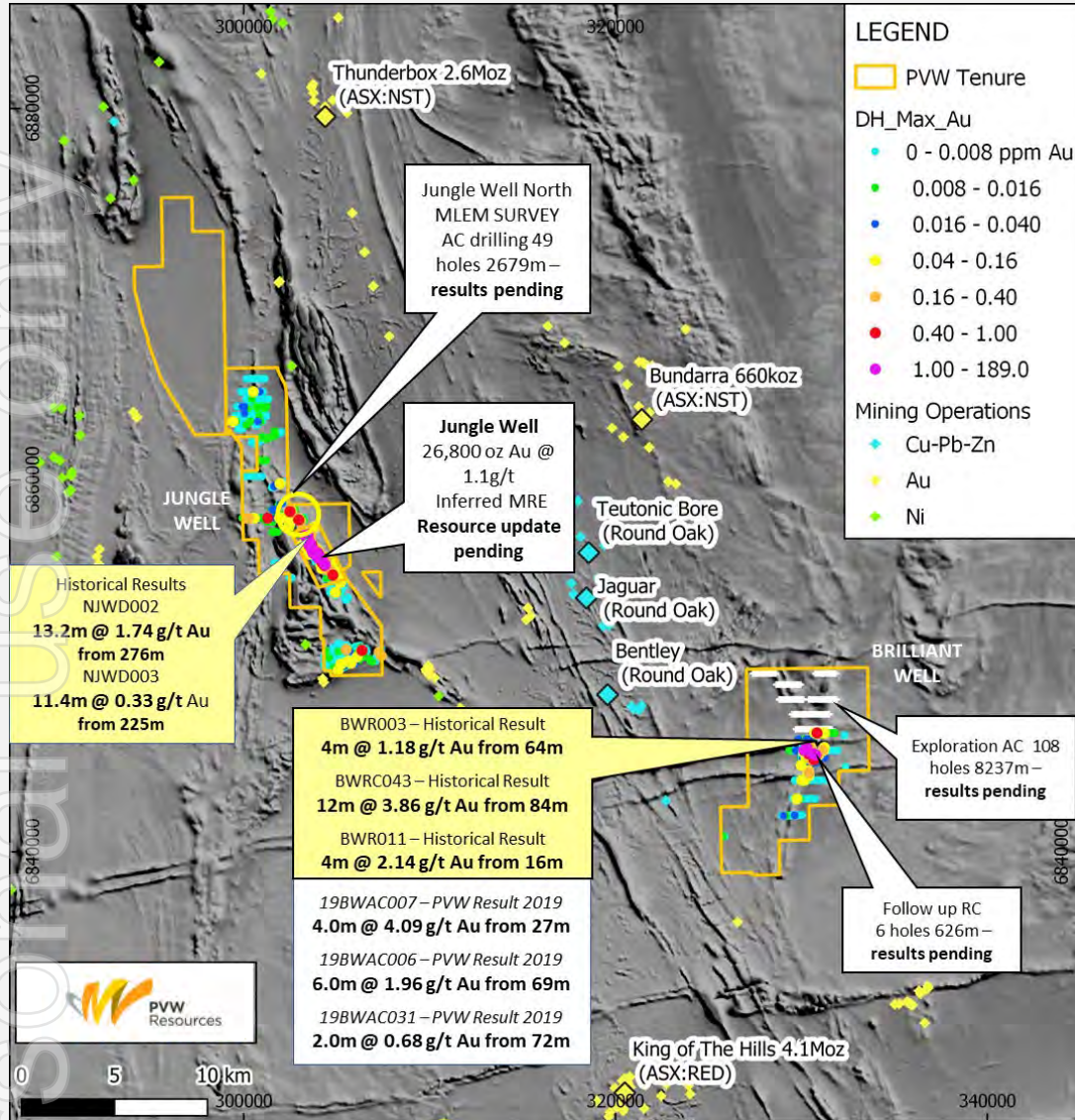


LEONORA

Opportunities to grow and discover

ASX : PVW

LEONORA – SIGNIFICANT UPSIDE



Brilliant Well Project, significant upside along underexplored greenstone belt

- ▶ Brilliant Well Project – Regional Aircore and targeted RC.

Jungle Well – continuous tenure over ~15km strike

- ▶ Jungle Well – open along strike and down dip
- ▶ Two kilometres of near surface anomalism north of the Jungle Well Resource
- ▶ Jungle Well Regional – targets North and South, under explored, shallow drilling, previously Nickel focussed exploration
- ▶ Deep historical results
 - **13.2m @ 1.74g/t Au from 276m**
- ▶ Nugget patch identified – requires field confirmation prior to drilling



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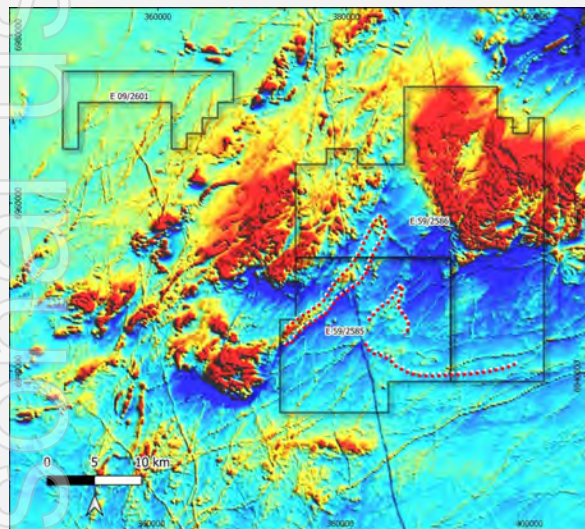
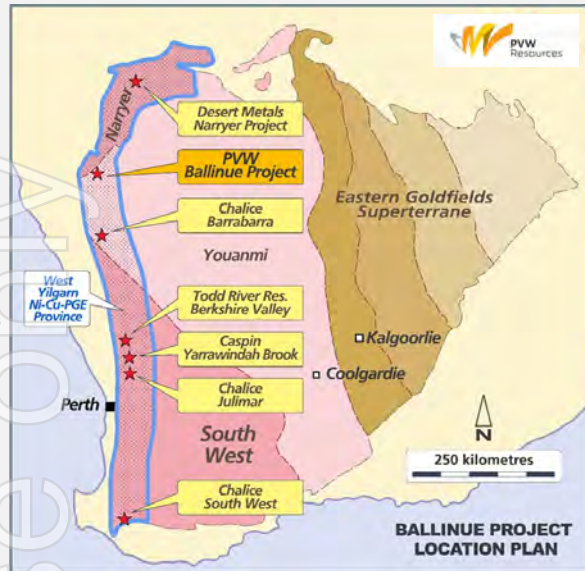
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BALLINUE

VTEM and Surface Sampling in 2023

ASX : PVW

BALLINUE – NI-CU-PGE PROJECT



PVW has made three exploration licence granted in the highly prospective West Yilgarn **Ni-Cu-PGE** Province.

- ▶ This area was target following continued success by numerous explorers such as Chalice Mining, Pursuit Minerals, Caspin Resources, Todd River Resources and Desert Metals
- ▶ Following appraisal of numerous projects and available areas, the tenements (E59/2585, E59/2586 and E09/2601) cover an area of 950km²
- ▶ Data compilation and planning for 2023 is ongoing
- ▶ Field appraisal and assessment of magnetics has confirmed areas to be targeted with VTEM and surface geochemistry in 2023.

Previously released ASX material references that relate to PVW Ballinue include:
8 July 2021, PVW Expanding into West Yilgarn Ni-Cu-PGE Province