



**PVW**  
Resources

# TANAMI TO KALGOORLIE, RARE EARTHS TO GOLD

PRESENTED BY GEORGE BAUK, EXECUTIVE DIRECTOR

SEPTEMBER 2021



## DISCLAIMER

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PVW Resources ACN 124 541 466 (the Company) and its directors, employees and consultants make no representations or warranty as to the accuracy, reliability or completeness of this document, and have no liability, including liability to any person by reason of negligence of, or contained in or derived from, or for any omissions from this document, except liability under statute that cannot be excluded.

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.



### 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.

## VALUE PROPOSITION



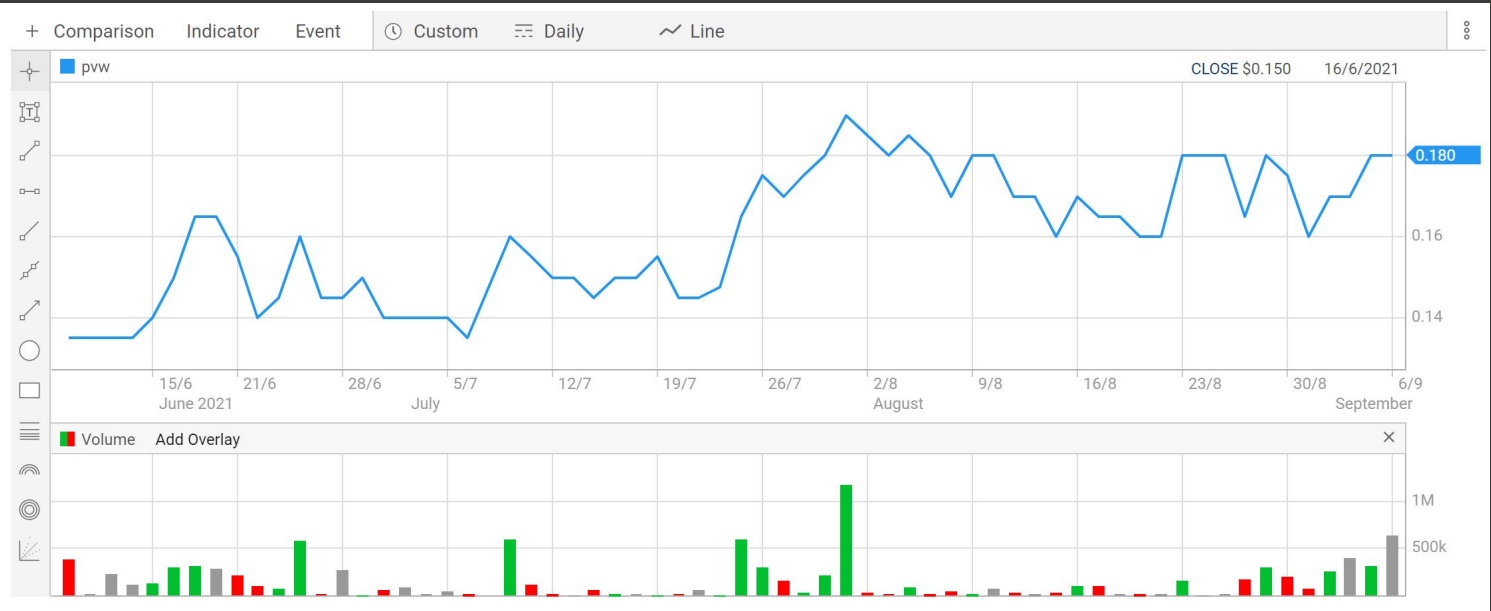
- ✓ PVW has strategically secured gold assets in world class gold producing regions
- ✓ **Rare Earths** is a key part of the EV evolution and ranked one of the most critical minerals globally
- ✓ The Company will have a strong share register, **\$5M in cash** to explore, and a **market cap of \$14M**
- ✓ **Experienced** board and management who have a track record of taking exploration projects into production
- ✓ Gold price is strong, currently trading at near record levels with strong fundamentals for future solid growth
- ✓ Tanami is a **re-emerging gold district** with a new focus on discovering a substantial gold deposit
- ✓ Tanami is a **REE producing district** and our historical REE results provide excitement for future exploration. Prospective tenure increased by 40%
- ✓ Kalgoorlie has been increased in size by 50% through acquisitions following our **1.2km soil anomaly** identified in our recent auger program
- ✓ Leonora is an **emerging world class** exploration gold jurisdiction
- ✓ Ballinue is a recently added **Ni-Cu-PGE** project in a strategic corridor



# CORPORATE OVERVIEW

ASX:PVW

Current shares on issue	71,085,818
Share Price	18 cents
Market Capitalisation	\$12.8m
Cash at Bank (30 June 2021)	\$5m



## Top shareholders

Board	7.41%
Jason Petersen	6.85%
Lind Partners	5.46%
JHY Investments	3.57%
Top 100	71.65%



## BOARD AND MANAGEMENT

<b>DAVID WHEELER</b> NON-EXECUTIVE CHAIRMAN	<b>GEORGE BAUK</b> EXECUTIVE DIRECTOR	<b>COLIN MCCAUNA</b> NON-EXECUTIVE DIRECTOR
<ul style="list-style-type: none"> <li>David has more than 30 years of Senior Executive Management, Directorships, and Corporate Advisory experience.</li> <li>He is a foundation Director and Partner of Pathways Corporate a boutique Corporate Advisory firm that undertakes assignments on behalf of family offices, private clients, and ASX listed companies.</li> <li>David has engaged in business projects in the USA, UK, Europe, NZ, China, Malaysia, Singapore and the Middle East.</li> <li>David is a Fellow of the Australian Institute of Company Directors and has experience on public and private company boards, currently holding a number of Directorships and Advisory positions in Australian companies.</li> </ul>	<ul style="list-style-type: none"> <li>An experienced executive/director with 30 years in the resources industry.</li> <li>Global operational and corporate roles with Northern Minerals, WMC Resources and Western Metals.</li> <li>George has a strong background in strategic management, business planning, building teams, finance and capital/debt raising with a variety of commodities – in particular rare earths, gold, nickel and uranium.</li> <li>Former Managing Director of Northern Minerals from 2010 to 2020.</li> <li>George is a Fellow of the FCPA and is currently Chairman of: Gascoyne Resources, Lithium Australia, BlackEarth Minerals and Valor Resources.</li> </ul>	<ul style="list-style-type: none"> <li>Colin has over 40 years' experience in the mining and resources sector and has extensive experience in exploration, project development, construction, corporate management, capital raising, financing, and operations.</li> <li>He has had extensive involvement in gold exploration and gold project development including the successful development and operation of several carbon in pulp and heap leach gold projects in Western Australia.</li> <li>Colin is a founding Director of Northern Minerals Limited and currently sits as Chairman.</li> <li>He is also Chairman of Reward Minerals Limited.</li> </ul>
<b>JOE GRAZIANO</b> COMPANY SECRETARY	<b>KARL WEBER</b> EXPLORATION MANAGER	<b>ROBIN WILSON</b> CONSULTANT GEOLOGIST
<ul style="list-style-type: none"> <li>Joe has over 30 years' experience providing a wide range of business, financial and taxation advice to small cap unlisted and listed public companies and privately owned businesses in Western Australia's resource-driven industries, particularly mining, banking and finance, professional services and logistics.</li> <li>Over the past 7 years he has been focused on Corporate Advisory and strategic planning with Corporations and Private Businesses going through a growth phase and assisting those businesses with the next phase of their growth strategy. He has extensive experience in Capital Raisings, ASX compliance and regulatory requirements.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Karl has over 25 years of experience within a diverse career in gold and base metal exploration within Australia and Internationally.</li> <li>He has held technical and management positions with Mines and Resources Australia (COGEMA), Harmony Gold, Venturex Resources (Brazil) and Gascoyne Resources.</li> <li>His roles include geologist, manager and country manager.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Robin has held senior exploration positions in several exploration and mining companies, including Polaris Metals, Tanganyika Gold, Troy Resources and CRA Exploration.</li> <li>He also spent 5 years working in oil and gas exploration for Woodside Energy. During nearly 30 years of involvement in mineral exploration, Mr Wilson has worked on gold, nickel, REE, uranium, copper, lithium and phosphate projects throughout Australia and Africa and was involved in the initial discovery and outlining of several gold deposits.</li> <li>Between 2006 and 2021 he led the Northern Minerals exploration team that discovered the Browns Range REE deposits that have been developed and produced HRE carbonate.</li> </ul>



# TANAMI

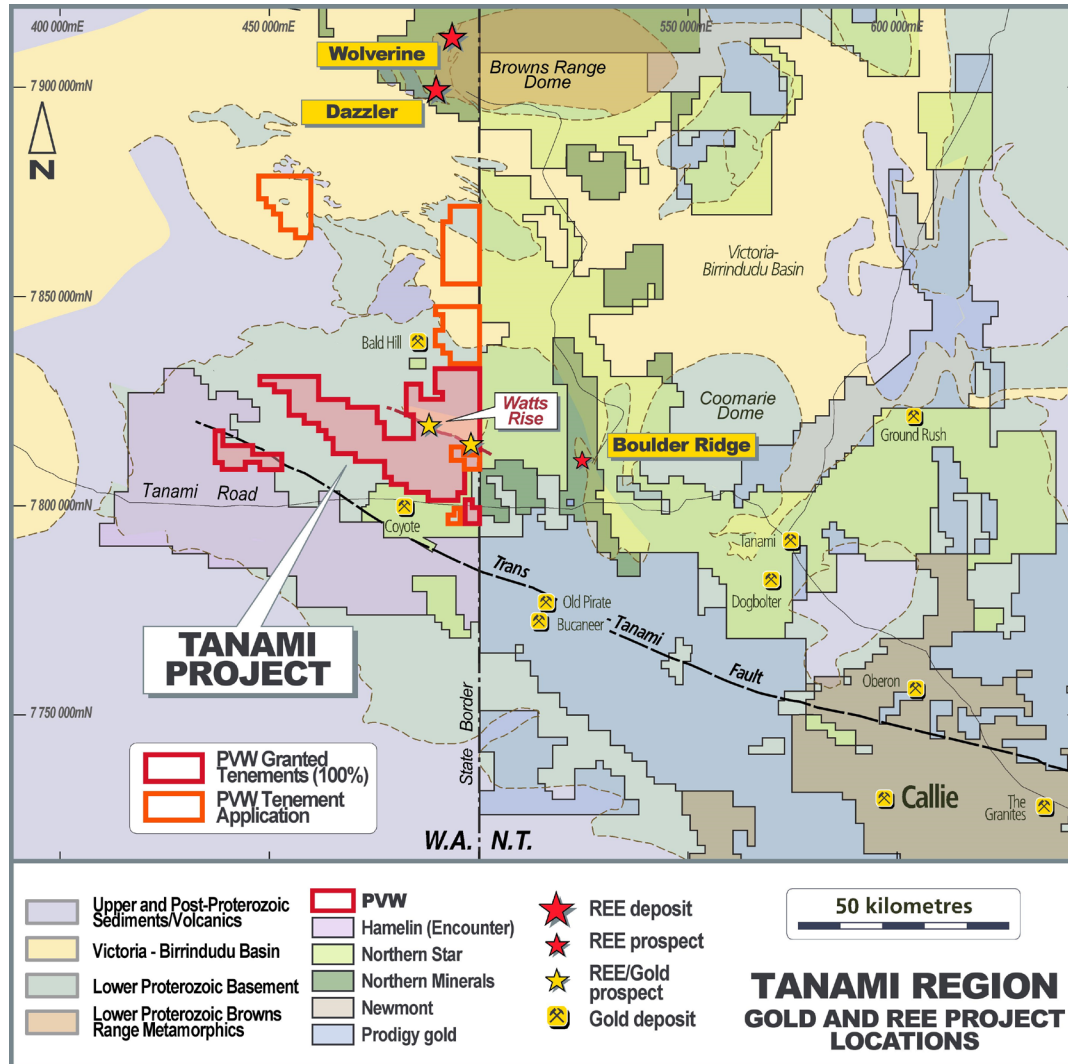
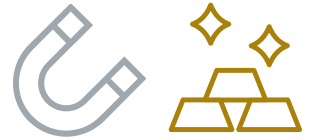
Regional exploration for Gold and REE

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# TANAMI – RE-EMERGING GOLD PROVINCE



## Callie gold deposit, Newmont

(Reserve 33.2Mt @ 5.3g/t Au)

- An example of potential within the Tanami.
- One of the most productive gold mines in Australia.

## Discoveries pending

- Modern explorers are active within the Tanami.
- PVW's tenure straddles some of the most prospective stratigraphy and structure. Tenure recently increased by 40% with 4 new applications.
- Major's have invested in exploration via earn-in for projects in the region.
- PVW recognises and understands the **Gold and REE** potential of the Tanami Project:
  - The exploration team has been boosted with an **expert REE consultant** credited with Northern Minerals discovery of Browns Range.
- REE exploration requires experts, PVW has these experts and moving into the REE space with quality existing projects is a recipe for discovery.



## TANAMI – EXPLORATION POTENTIAL

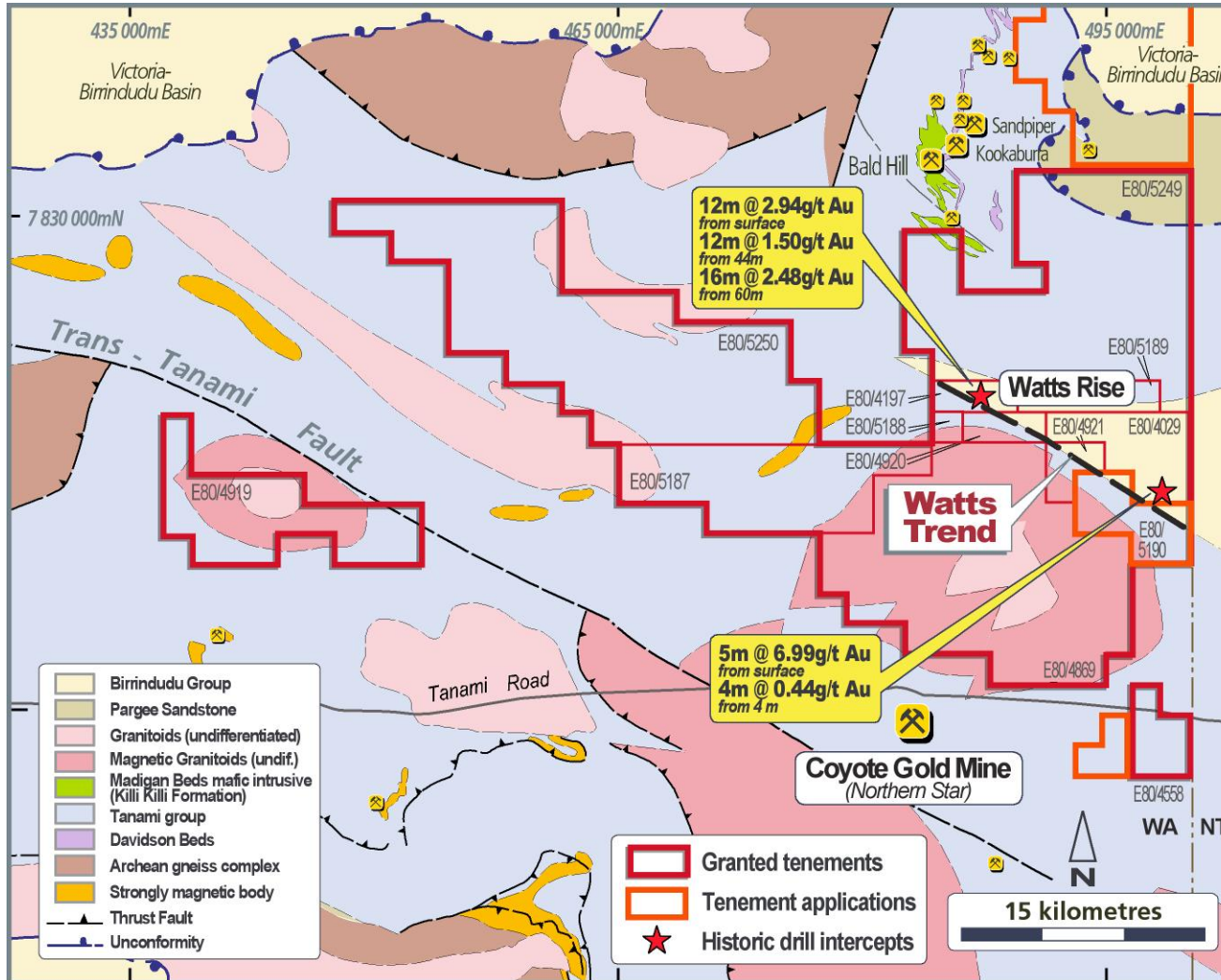
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### Enormous potential and targets – Gold and REE

- ✓ Potential for a Tier 1 multi-million ounce gold discovery.
- ✓ Heritage agreement is in place with the traditional owners. Heritage surveys and cultural monitoring is ongoing, joint field trips to date have been completed for all work programs.
- ✓ Follow up heritage survey and surface sampling at Watts Rise and Killi Killi East complete, samples are in the lab, awaiting analysis.
- ✓ Detailed airborne survey is complete.
- ✓ Traditional targets, Upper Tanami Group rocks intersected by major structures resulting in complexly deformed zones related to Gold.
- ✓ New geological understanding of targets such as Watts Rise and Killi Killi East, with very significant drill results and exciting geology.

# TANAMI – POISED FOR DISCOVERY

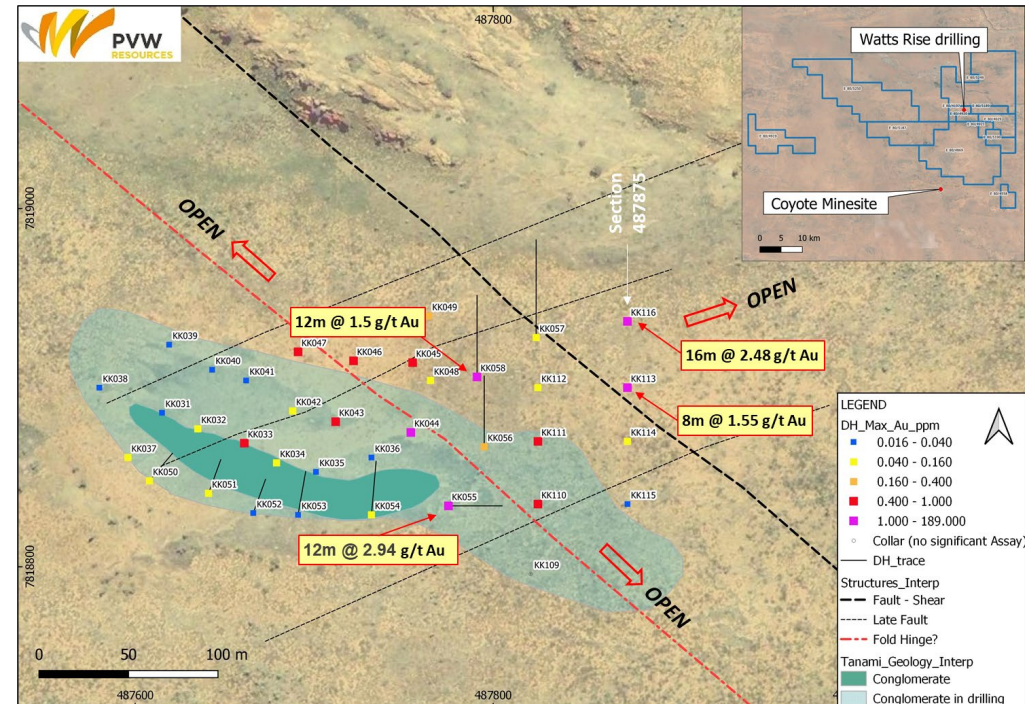
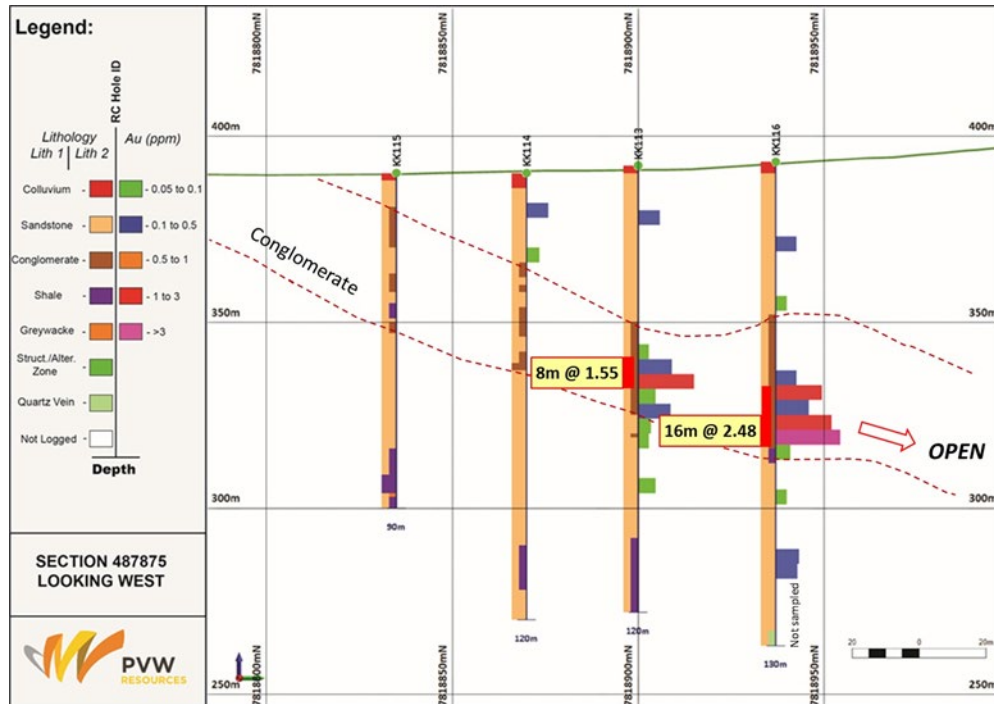


## 100% PVW owned

- 12 of 17 tenements granted (4 new applications)
- Historic (2010-2012) drill intercepts:
  - 12m @ 2.94g/t Au from surface
  - 12m @ 1.50g/t Au from 44m
  - 16m @ 2.48g/t Au from 60m
  - 5m @ 6.99g/t Au from surface
- **Watts Rise** multiple significant Au intercepts in RC drilling
  - open along strike and at depth not followed up by previous explorer.
- **Watts Trend Geophysical Target** stratigraphy has been mapped, and sampled with surface Geochem and XRF, assisting the interpretation of detailed geophysics prior to drilling. Results awaited.
- Tanami road located within 15 kilometres of the project, with excellent access.



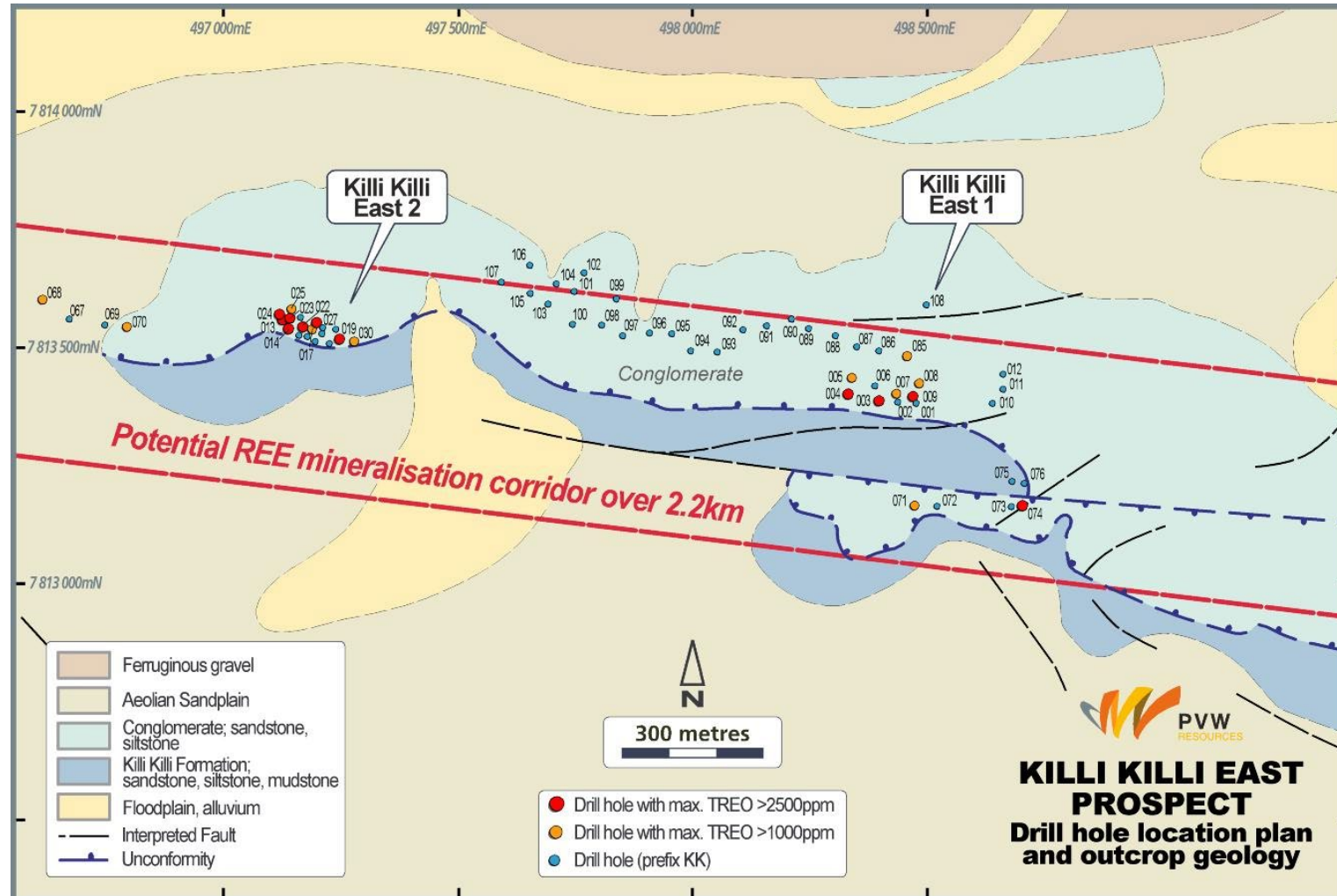
# TANAMI – STRONG DRILLING RESULTS READY FOR FOLLOW UP



## Watts Rise Reverse Circulation drilling results

- **Shallow results**, range from surface to 60m vertical
- **High grade**, numerous holes significant widths with +2g/t Au
- **Open**, along strike and down dip/plunge
- Structural controls are not yet understood, hence drilling along strike and at depth to follow up plunge and dip will be crucial.

# TANAMI – RARE EARTHS RESULTS – DRILL TARGETS GROW

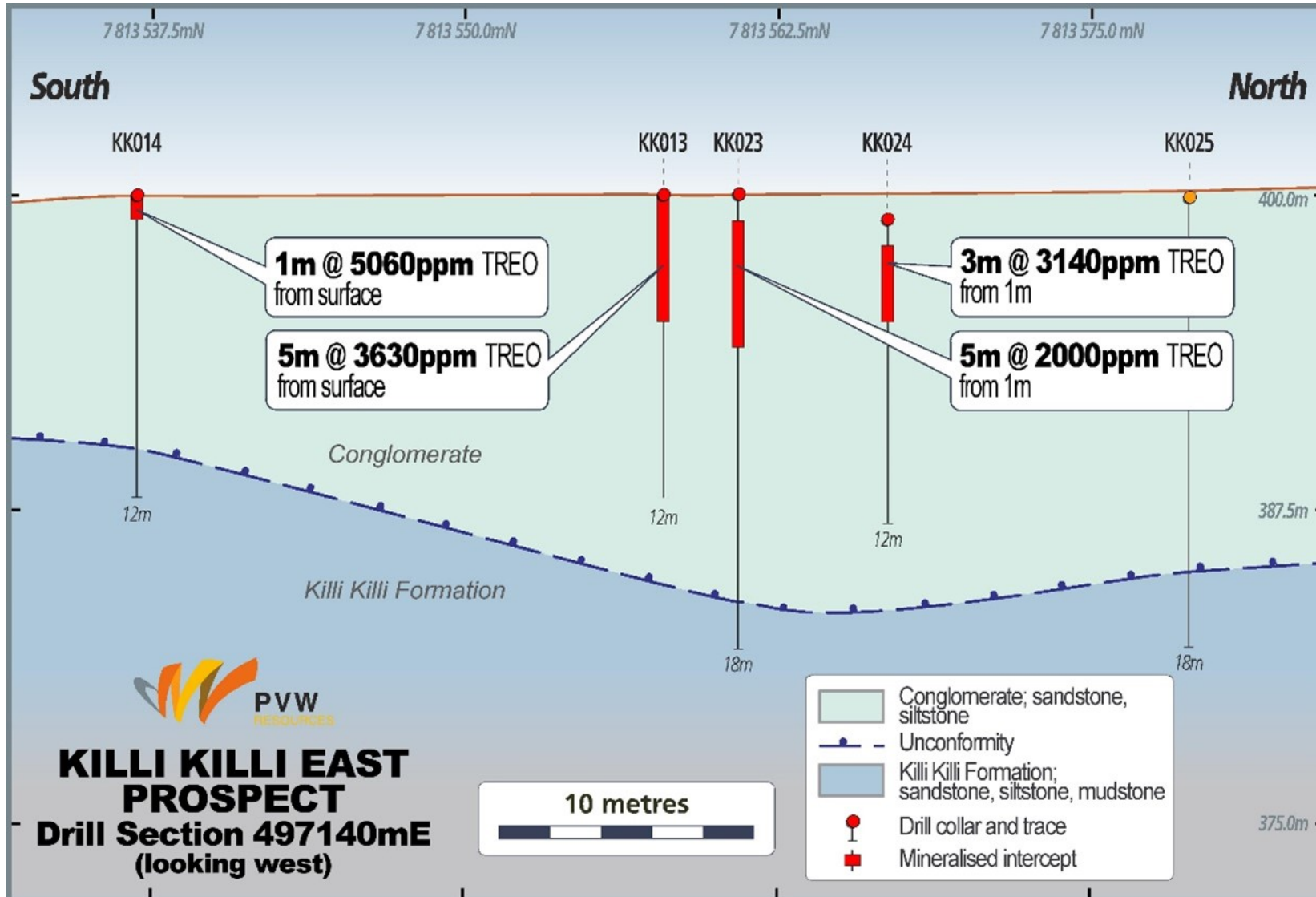


## Boots on the ground are paying off

- Field observations include rare earth mineralisation over a 2.2km strike length with elevated portable X-ray fluorescence (XRF) measurements of Yttrium at the Killi Killi East
- Considered prospective for hydrothermal unconformity-related REE mineralisation
- The contact between the Pargee Sandstone and the Killi Killi Formation is a regional-scale unconformity of over 18km strike length within this prospect alone
- REE focused exploration program ongoing with follow-up drilling planned at Watts Rise and Killi Killi East targeting REE and Au mineralisation



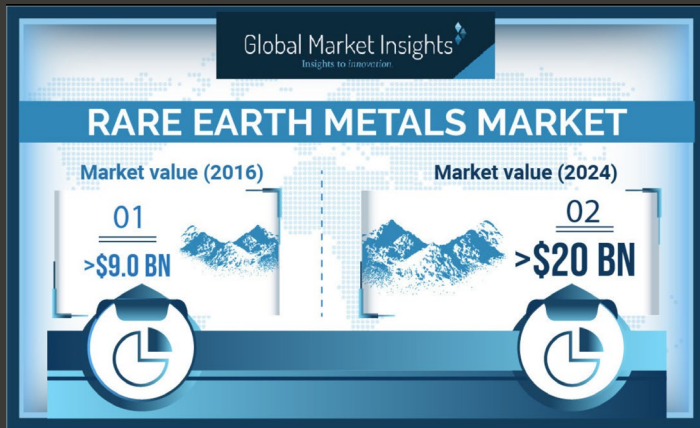
# TANAMI – RARE EARTHS RESULTS DRIVE EXPLORATION PROGRAM



## TANAMI – REE



### Rare Earths are critical to many countries globally



- Underpins the best technology for permanent magnets.
- Permanent Magnets are a critical component of the EV future.
- Permanent Magnets are essential to critical defence technology.
- Tanami hosts a critical deposit and processing facility at Northern Minerals Browns Range deposit.
- PVW has a team of REE experts who have been involved in the discovery of the Browns Range deposits and the transition from greenfields to production:
  - The exploration team has been boosted with an expert REE consultant credited with Northern Minerals discovery of Browns Range
    - George Bauk, former Northern Minerals MD
    - Robin Wilson, former Northern Minerals Exploration Manager
    - Colin McCavana, Northern Minerals Chairman
- There is a demand for a diversified supply chain of Rare Earths to be well balanced between China and the Rest of the World.



## TANAMI – REE



The REE program is nearing completion, comprising geological mapping, geochemical soil sampling, portable XRF surveying and ground radiometrics (ongoing) to assess the REE and gold potential of the area. Results from the program will help determine the scope of a drilling program planned for later in the year to test both REE and Au targets.

Many of the drillholes at KK East<sup>1</sup> (1 & 2) drilled during the previous owners 2010 – 2012 exploration programs were very shallow (<18m). This prospect is considered the most prospective area for REE mineralisation.



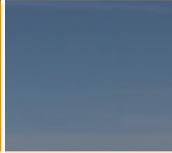
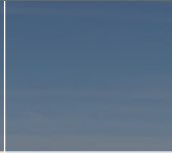


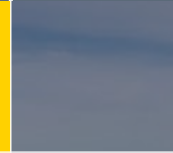
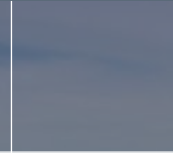
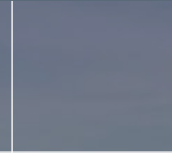
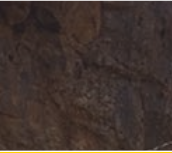

















The breakdown of REE suggests a more likely mixture of xenotime and florencite or goyazite (light rare earths). This mixture of minerals host neodymium, praseodymium, dysprosium and terbium which are critical to permanent magnets.



<sup>1</sup> ASX:PVW Announcement dated 3 May 2021, Tanami Project – REE Opportunity to be Evaluated

## 2021 WORK PLAN – TANAMI



		September			October			November			December		
Tanami	Watts Rise			XRF/ ground rad			Work program			AC Drilling			
	Watts Trend			XRF/ ground rad			Work program			AC Drilling			
	Other regional targets	Work program	Mag survey – complete				Mag Interp – target						

Previously released ASX material references that relate to PVW Tanami include:

**22 Feb 2021, PVW Resources Completes 100% Tanami Acquisition**

**3 May 2021, Tanami Project – REE Opportunity to be Evaluated**

**20 May 2021, Tanami Project – Exploration Activities Update**

**12 Aug 2021, Tanami Project – The Next Chapter of Exploration Begins**

**23 Aug 2021, Tanami – Rare Earths Results Drive Exploration Program**

**6 Sep 2021, Rare Earth Potential Identified at Killi Killi**



# KALGOORLIE

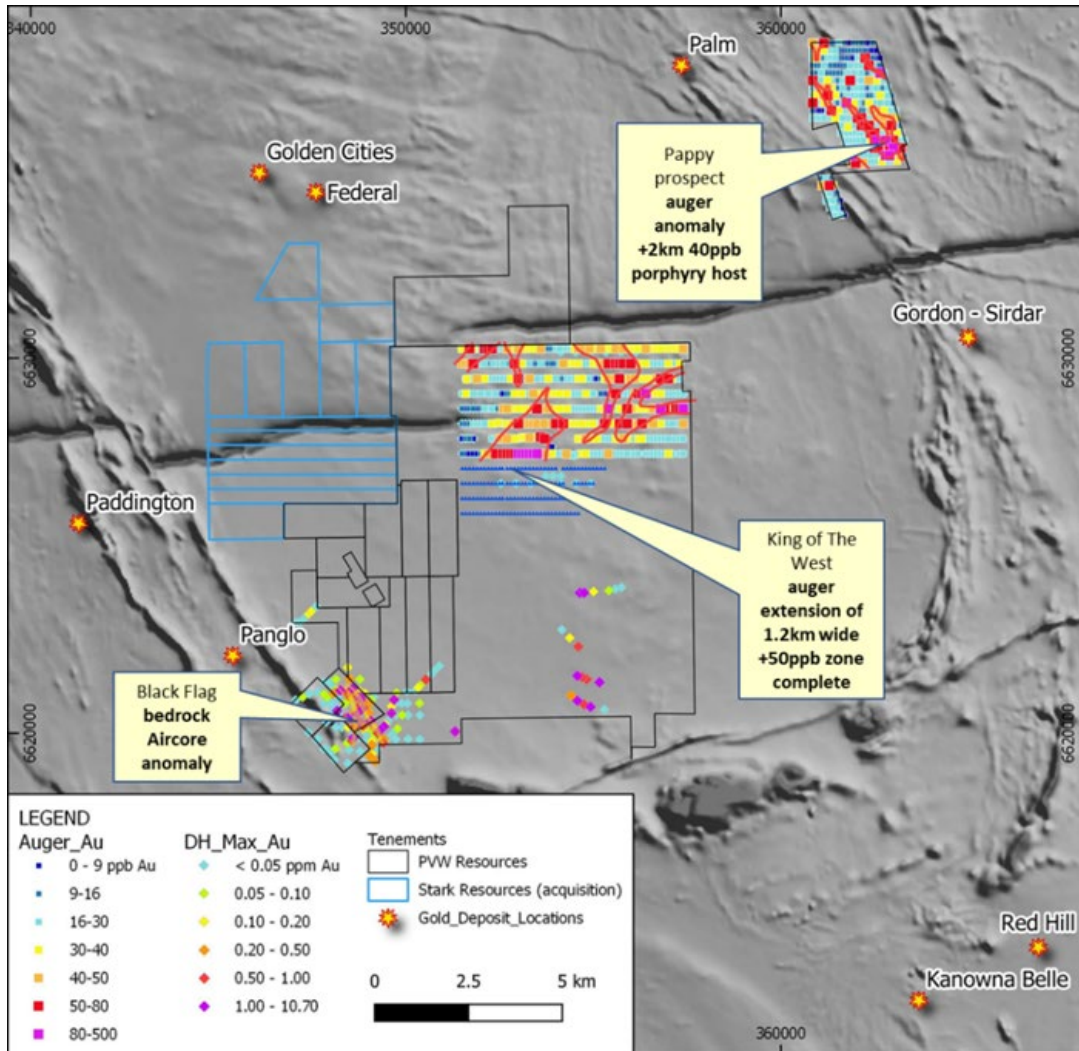
## NEW GROUND, TARGETS AND CONCEPTS

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# KALGOORLIE – WORLD CLASS GOLD PROVINCE



## PVW Resources

**Strategic land position of 150km<sup>2</sup>**, located to rapidly commercialise exploration success with existing processing plants within an economic haulage distance.

**PVW has increased tenure over the King of The West Project by 54km<sup>2</sup> increasing the footprint by 50% to 150km<sup>2</sup>. Low-cost growth in a tightly held Goldfield.**

**Paddington Operations** 202koz Au produced in 2019, owned by Norton Gold Fields.

**Golden Cities Mining Centre** re-opened in 2020 by Norton Gold Fields.

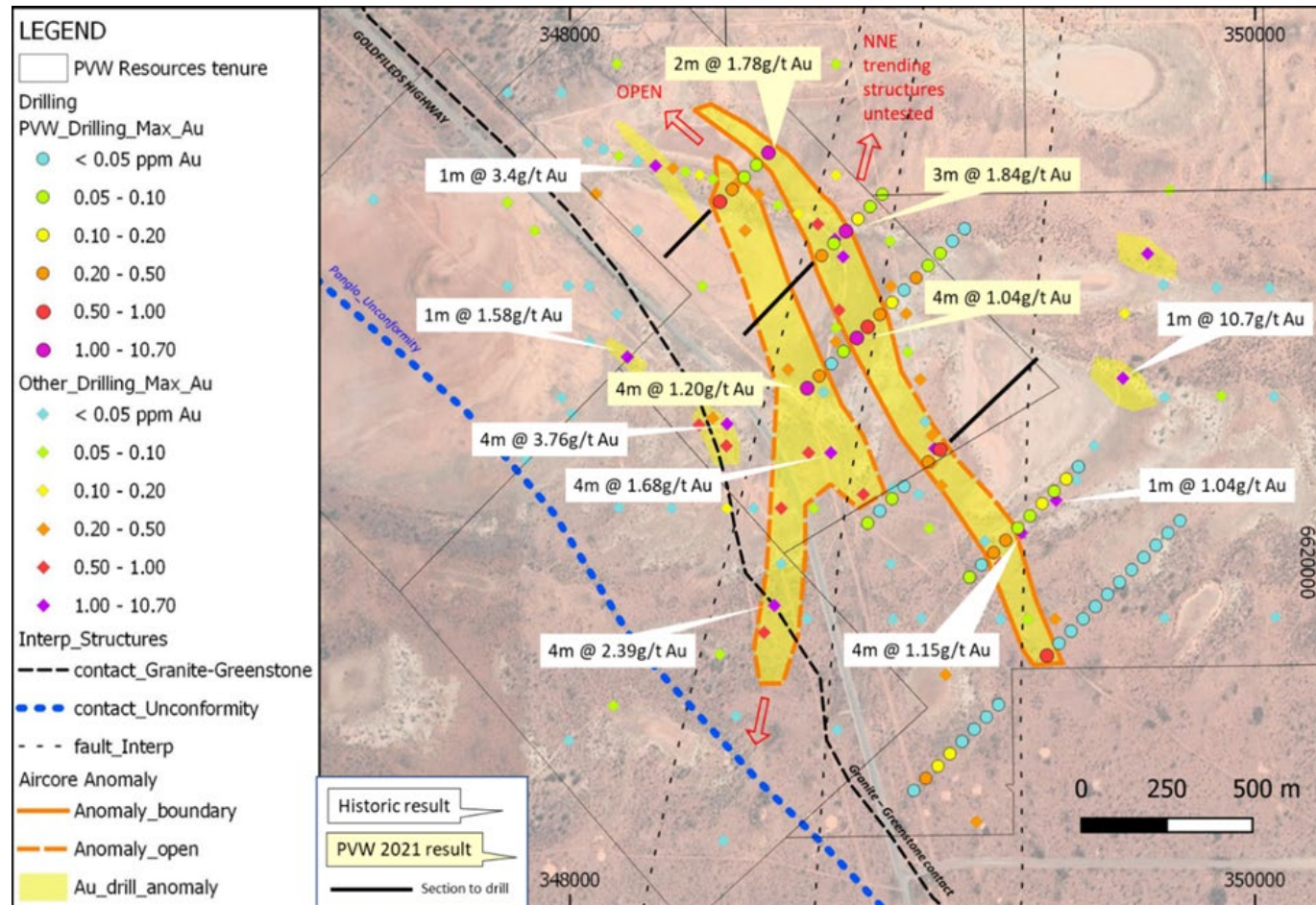
**Kanowna Belle** +100koz Au per annum producer and has a resource of 2.2Moz Au owned by Northern Star.

**Gordon Sirdar** similar geology to recently defined Pappy Prospect E27/571.

**Positive results and growth. PVW have completed two transactions to increase the tenure by 50% to 150km<sup>2</sup>**



# KALGOORLIE – PROJECTS ADVANCING

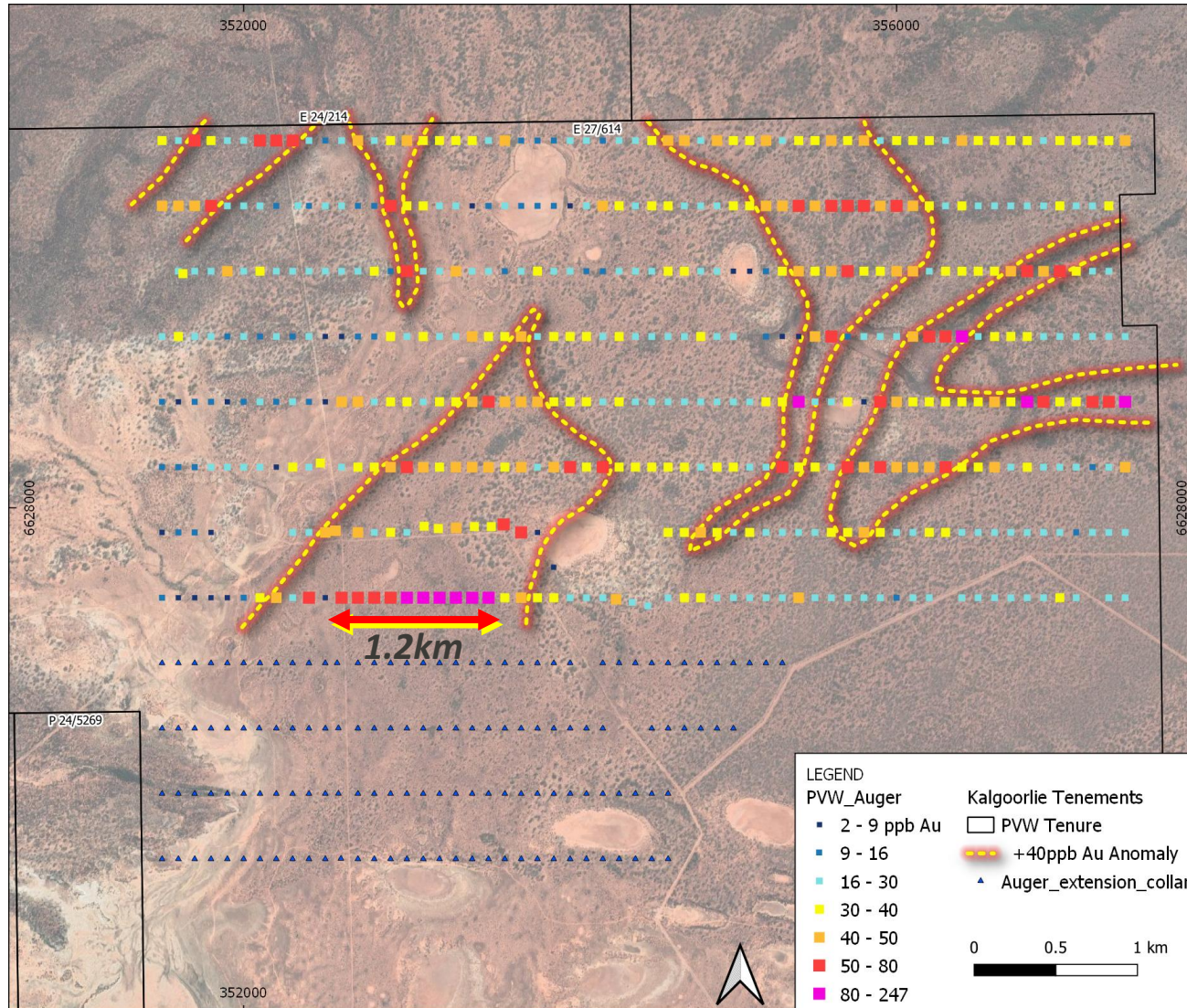


## Black Flag Prospect Aircore confirms bedrock Au anomaly

- 21BFAC043, 3m @ 1.84g/t Au, from 45m
- 21BFAC031, 4m @ 1.04g/t Au, from 40m
- 21BFAC027, 4m @ 1.20g/t Au, from 60m
- 21BFAC051, 7m @ 0.88g/t Au, from 43m including 2m @ 1.78g/t Au, from 43m
- Black Flag Prospect drilled 61 holes / 3200m Aircore. Multi-element bottom analysis pending.
- +1g/t intercepts associated with quartz veining, disseminated sulphides or iron-oxide after sulphides within weathered bedrock.
- North-south structure observed in the magnetics. This structure also corresponds with a significant embayment in the magnetic response of greenstone to the west.



# KALGOORLIE – PROJECT TARGETS



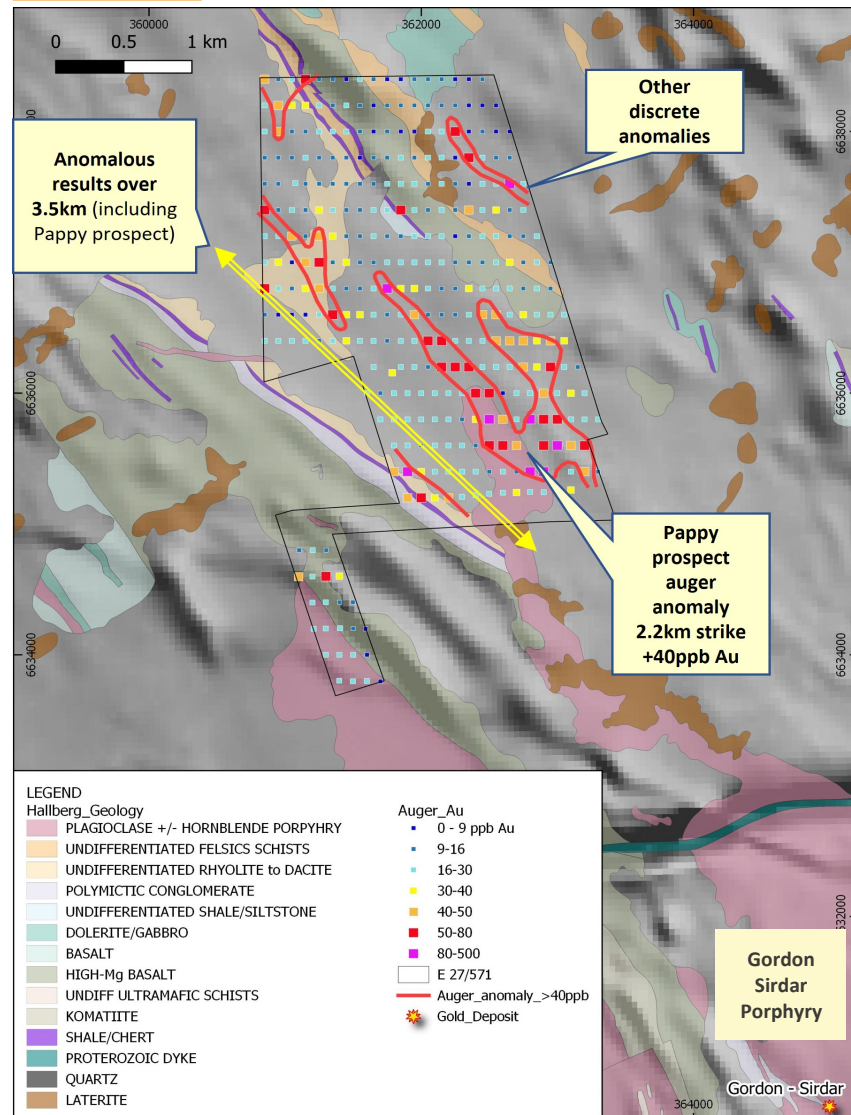
## Concepts advancing into drill targets

- Recent auger results are positive increasing the priority of the project.
- Large +40ppb Au anomalies including the southern most line with **1.2km of consecutive +50ppb results**.
- Anomalies open into newly acquired tenement E24/214
- Extension auger complete, results awaited.





# GORDON SIRDAR – PAPPY PROSPECT EXPLORATION






























## Pappy Prospect

- 3.5km strike of anomalous results returned from auger on the northwest trend.
- **246ppb Au** peak over intersection of two magnetic units and mapped porphyry intrusives, numerous +80ppb Au samples.
- Geological prospectivity
  - Continuation of the Plagioclase/Hornblende Porphyry from Gordon Sirdar into E27/571.
  - The Pappy Prospect **2.2km strike of +40ppb Au**.
  - Coincident with a magnetic low at the interpreted boundary between intrusive Plagioclase / Hornblende Porphyry and Felsic volcanic lithologies.
- Aircore drilling scheduled to test the auger anomaly.

## 2021 WORK PLAN – KALGOORLIE



		September			October			November			December		
Kalgoorlie	Black Flag			AC Drilling				Heritage Survey		RC Follow up			
	King of the West			AC Drilling				Heritage Survey		RC Follow up			
	Gordon Sirdar			AC Drilling				Heritage Survey		RC Follow up			

Previously released ASX material references that relate to PVW Kalgoorlie include:

**9 Mar 2021, Auger Drilling Commences at Kalgoorlie**

**19 Apr 2021, Kalgoorlie Project – Auger Results Confirm Gold Target**

**17 Jun 2021, Kalgoorlie West – Positive Auger Results Outline Targets**

**3 Jul 2021, Kalgoorlie – King of the West project expanded by 50%**

**6 Sept 2021, Kalgoorlie Exploration – Positive Aircore and Auger Results**



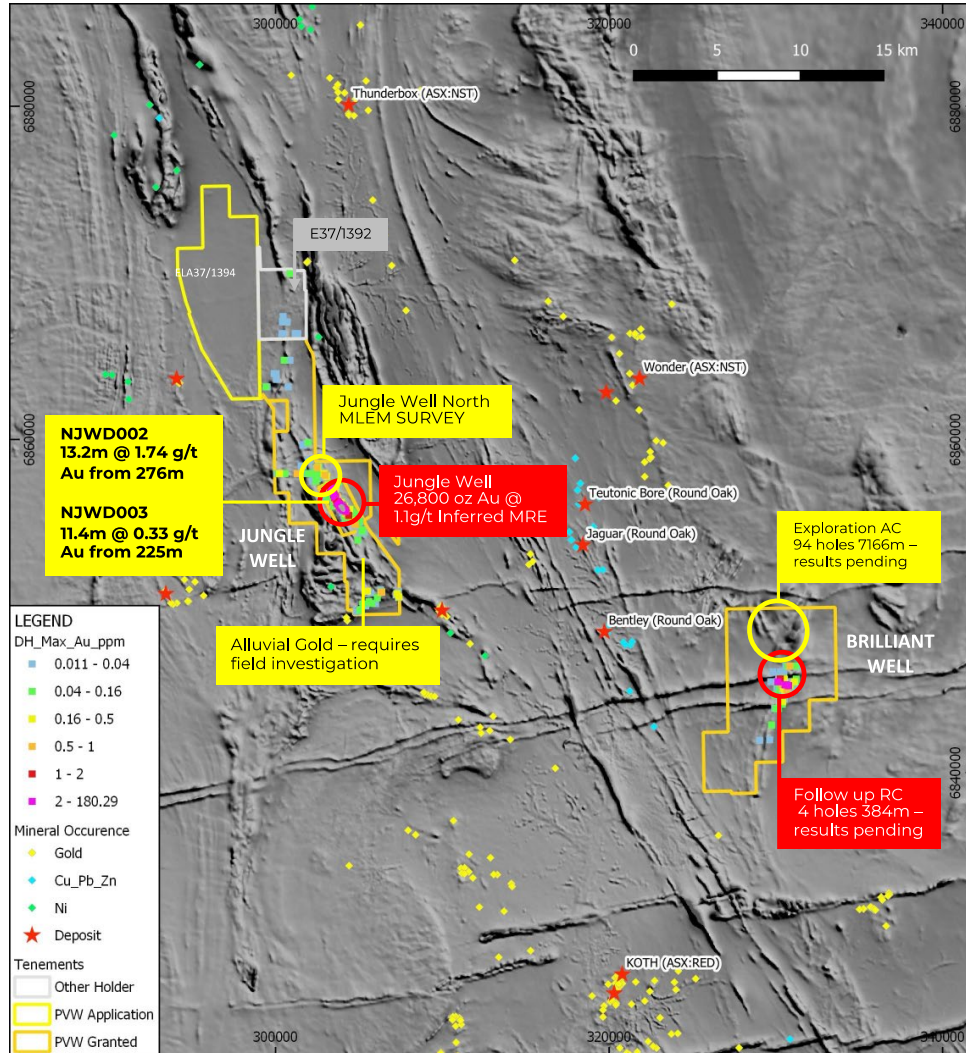
# LEONORA

OPPORTUNITIES TO GROW AND DISCOVER

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# LEONORA – SIGNIFICANT UPSIDE

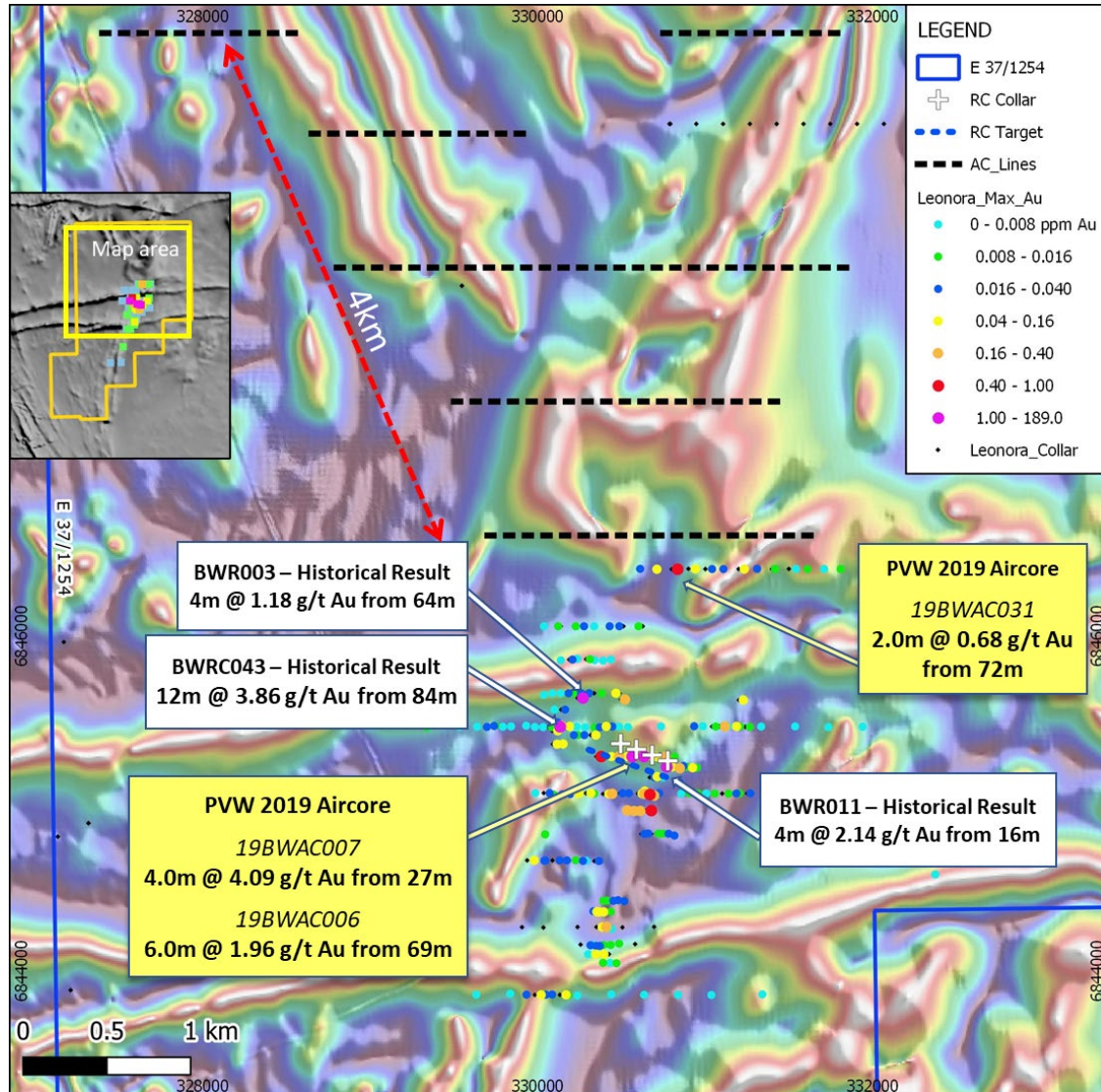


## Jungle Well – continuous tenure over ~15km strike

- Brilliant Well Project – Regional Aircore and targeted RC. **Results pending.**
- Brilliant Well Project, significant upside along underexplored greenstone belt.
- 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.
- Nugget patch identified – requires field confirmation prior to drilling.
- Leonora hosts high-grade gold mines.



## BRILLIANT WELL TARGETS



## Brilliant Well – untested tenure over 4km north of Au anomaly

### Historical drill results:

- **12m @ 3.86g/t Au** from 84m
- **4m @ 1.18g/t Au** from 64m
- **4m @ 2.14g/t Au** from 16m

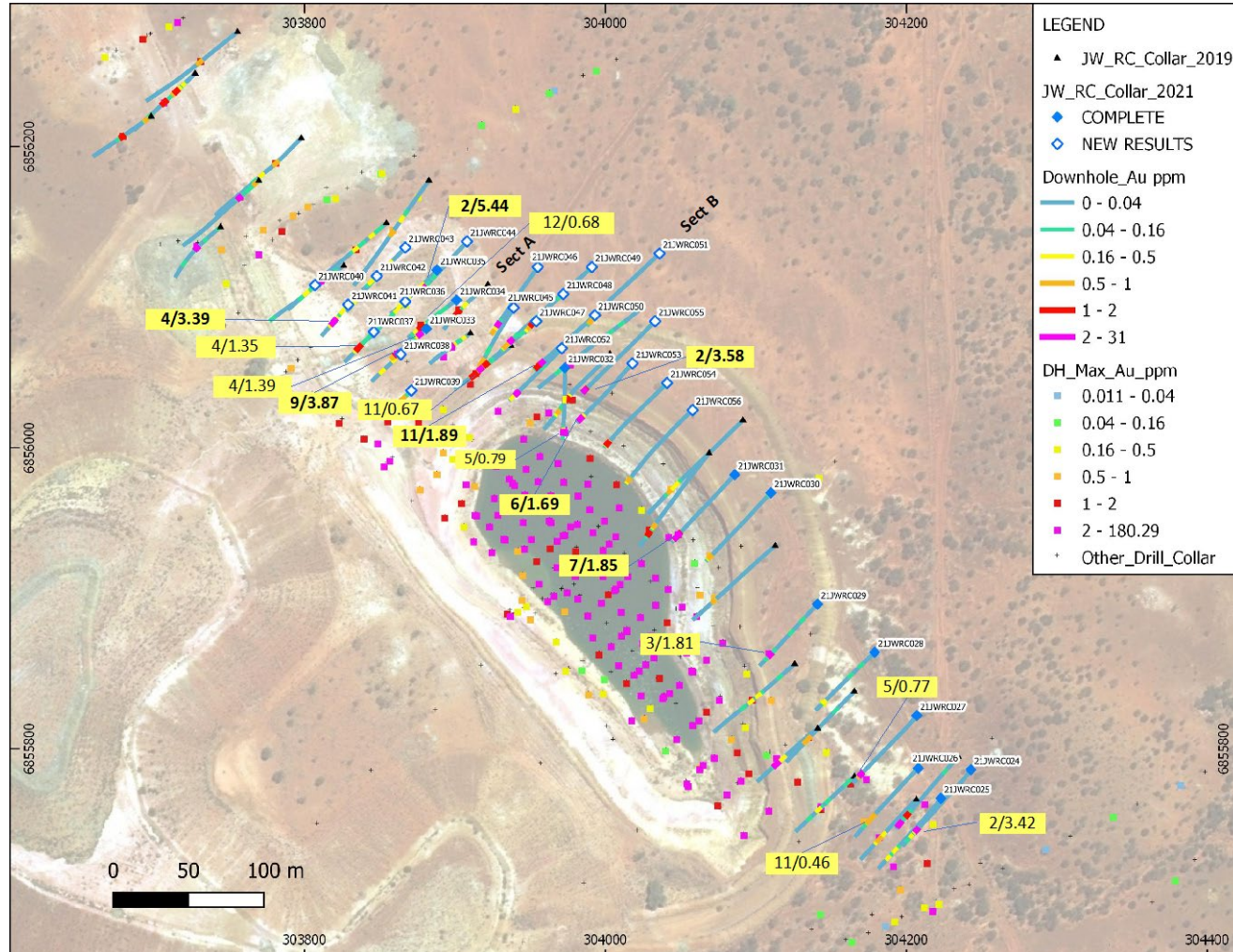
### PVW 2019 Aircore results:

- **4m @ 4.09g/t Au** from 27m
- **6m @ 1.96g/t Au** from 69m
- **2.0m @ 0.68g/t Au** from 72m

### PVW 2021 drilling (results pending):

- 94 holes 7,166m of Aircore to test 4km of strike on two trends north of anomalous gold results in drilling.
- 4 holes 384m of RC to test WNW trend of previous results, drilling has intersected vein, sulphides and shearing consistent with previous drilling.
- The RC target orientation, is analogous to the Wonder North open pit (Bundarra Gold Project – 35km south of Thunderbox).

# JUNGLE WELL – RESOURCE DRILLING

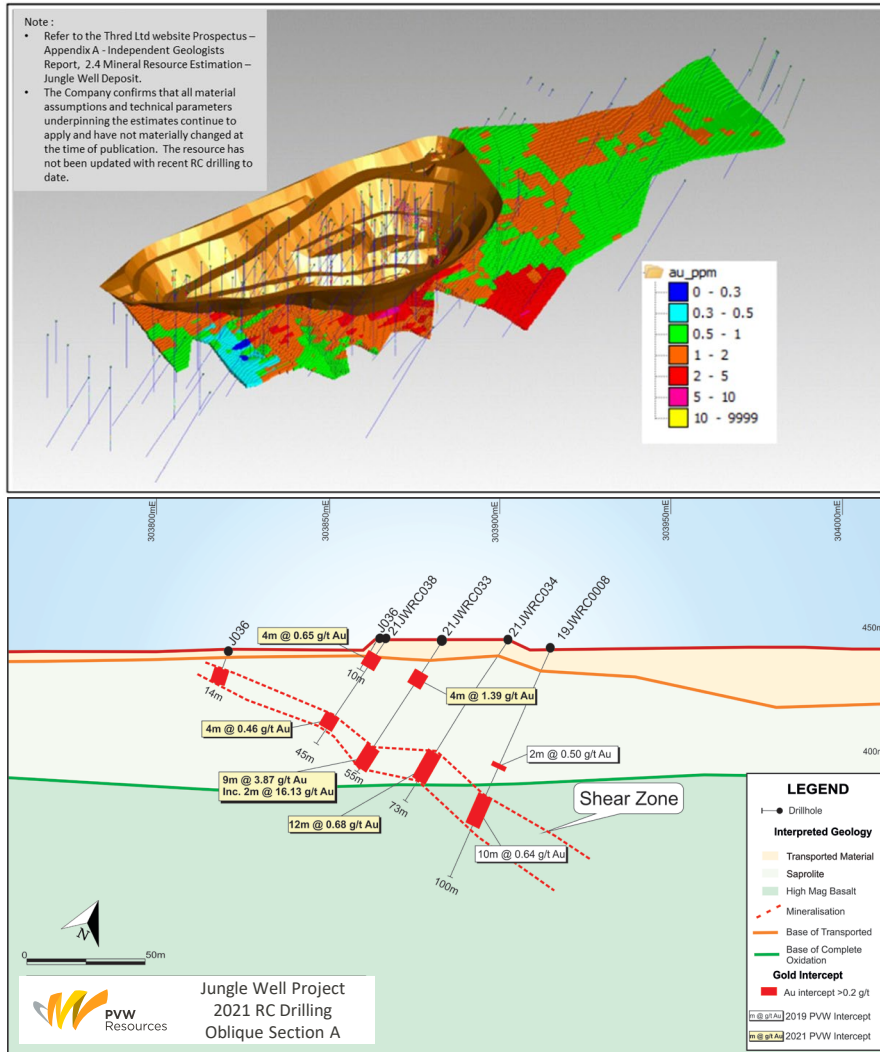


## Jungle Well Resource – continual improvement

- November 2019 Inferred MRE
  - 26,800oz Au @ 1.1g/t
- 2021 RC drilling 33 holes 2,890m
  - **Open** along strike.
  - **Open** plunge to the north confirmed.
  - **Shallow** oxide mineralisation confirmed.
  - 4m comp results awaited to complete grade model.
  - Metallurgical testwork for Heap Leach is being assessed. Fremantle Metallurgical have undertaken column tests and agglomeration tests.
- Pit optimisation will follow metallurgical test work.
- Updated Mineral Resources Estimate planned for Q4.



# HEAP LEACH INVESTIGATION



# Heap Leach project investigation

Low Grade Stockpile ~ 7,000t sampled and quantified with 300oz @ 1.3g/t included in November 2019 Mineral Resource Estimate.

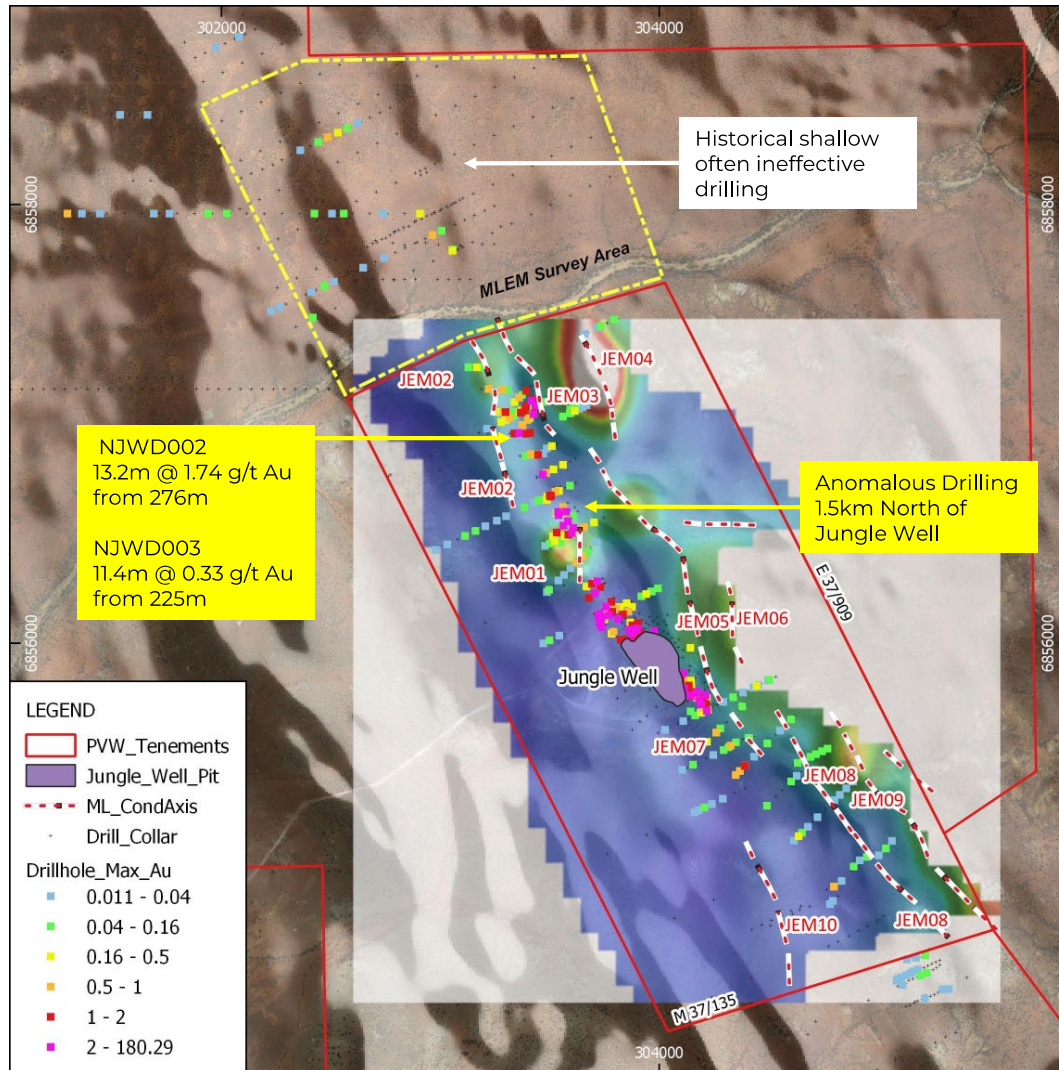
Trenching of stockpile, provided +400 samples from 3 trench's and 3 levels.

The stockpile provides a bulk sample for test work and in pit water provide site water for test work.

## Heap Leach investigation outcomes to date:

- Agglomeration required, cement 8kg/t provides good stability no loss of percolation.
- 6m column tests show a 60 day leach period, and 66% – 71% gold Recoveries.

# JUNGLE WELL NORTH – EXPLORATION



## Jungle Well North – open for interpretation

Southern Geoscience Consulting (SGC) have completed the ground MLEM survey north of Jungle Well. Data processing underway.

- Target extension of historical conductors that are considered prospective for gold mineralisation (and base metals).
- The potential for Gold mineralisation demonstrated by previous exploration diamond drilling (testing a strong conductor for Nickel mineralisation) returning significant intersections:

– NJWD002 13.2m @ 1.74g/t Au from 276m

– NJWD003 11.4m @ 0.33g.t Au from 225m

### Shallow, anomalous results in drilling north of Jungle Well

- require follow up at depth.
- minimal drilling away from the Jungle Well trend – leaving a lot of ground untested.



## 2021 WORK PLAN – LEONORA



		September			October			November			December		
Leonora	Jungle Well Resource		MRE models		Met test/pit opt								
	Jungle Well Regional					AC Results							
	Brilliant Well		AC Results		AC Results				RC Drilling				

Previously released ASX material references that relate to Leonora include:

**15 Apr 2021, Leonora Project – Jungle Well RC Drilling Underway**

**2 Mar 2021, Updated Announcement – Leonora Jungle Well Project EM Data**

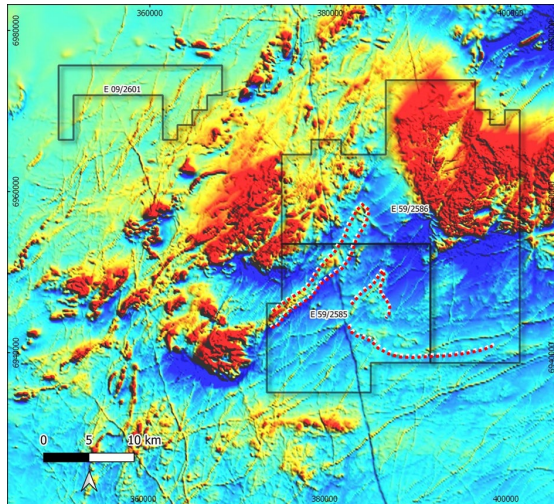
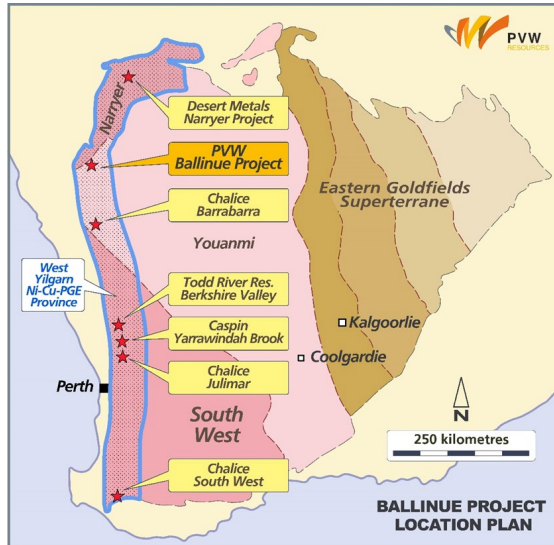
**24 Jun 2021, High Grade Gold in RC Drilling at Jungle Well**

**28 Jun 2021, Leonora – Brilliant Well Exploration Drilling Underway**

**3 Aug 2021, Leonora – Continued Positive Drilling Results at Jungle Well**

For reference to relevant historical data, Independent Geologists Report and Jungle Well Inferred Mineral Resource Estimate please refer to the **Prospectus, 15 Feb 2021**

# BALLINUE – NI-CU-PGE PROJECT



PVW has made three exploration licence applications 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, tenement applications are in place for three large exploration licenses (E59/2585, E59/2586 and E09/2601) covering an area of 950km<sup>2</sup>.
- Data compilation and review of available datasets in underway. Field appraisal and assessment of magnetics to commence in the September Quarter.

Previously released ASX material references that relate to PVW Ballinue include:

**8 July 2021, PVW Expanding into West Yilgarn Ni-Cu-PGE Province**

For reference to relevant historical data, Independent Geologists Report and Jungle Well Inferred Mineral Resource Estimate please refer to the **Prospectus, 15 Feb 2021**



## 2021 ACTIVITIES

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### Leonora Region

- **Jungle Well** – Au
  - Drilling results
  - Mineral Resource upgrade
  - Heap Leach investigation
  - MLEM Ground Geophysics complete
  - Follow up drilling scheduled
- **Brilliant Well** – Au
  - Drill results
  - Follow up drilling scheduled

### Tanami Project

- **Tanami** – Au and REE
  - Compile historical Gold and REE results
  - Field program including soils, XRF and Radiometrics
  - Airborne Mag Survey Completed

### Kalgoorlie Region

- **Black Flag** – Au
  - Drill results
  - Follow up drilling scheduled
- **King of the West** – Au
  - Auger Results from auger anomaly extension
  - First Pass drilling
- **Gordon Sirdar** – Au
  - Identification of the Pappy Prospect
  - Drilling scheduled

### Ballinue Project

- **Ballinue** – Ni-Cu-PGE
  - Field program

## POSITIONED FOR SUCCESS

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- ✓ The Company has **outstanding strategic land positions** in three world class gold-producing provinces.
- ✓ Tanami project has potential to give PVW a **company-making discovery**. Land holding increase by 40% over prospective areas.
- ✓ **Exposure to Critical Minerals** and the EV evolution with **REE** potential at the Tanami and the Ballinue **Ni-Cu-PGE** project.
- ✓ **Increased land holding** in Kalgoorlie by 50% following the discovery multiple gold anomalies, open into new tenements.
- ✓ Cash reserves of **\$5M** to explore the four project areas.
- ✓ **Gold** is an attractive commodity with a short path to commercialisation no product marketing and a promising outlook.
- ✓ An **experienced board and management** that has developed projects from discovery to operation.
- ✓ **Western Australia** is a world class investment and mining jurisdiction and COVID-19 has been very well managed by the state government.



# THANK YOU

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## Contacts

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