



Battery Metal Focused Exploration Company

Investor Presentation

ASX: **FTL**



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Compliance Statement

With reference to previously reported Exploration results and mineral resources, the company confirms that it is not aware of any new information or data that materially affects the information included in the Prospectus dated 25 February 2022 and, in the case of estimates of Mineral Resources or Ore Reserves that all material assumptions and technical parameters underpinning the estimates in the Prospectus dated 25 February 2022 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 Prospectus dated 25 February 2022.

This presentation has been authorised for release by the Board of Directors

Why Firetail?



Portfolio of highly prospective battery minerals projects in Australia, including Li, Ni, Cu, Au, Mn and Co



Yalgoo-Dalgaranga Project contains high-grade lithium in an area previously only targeted for gold

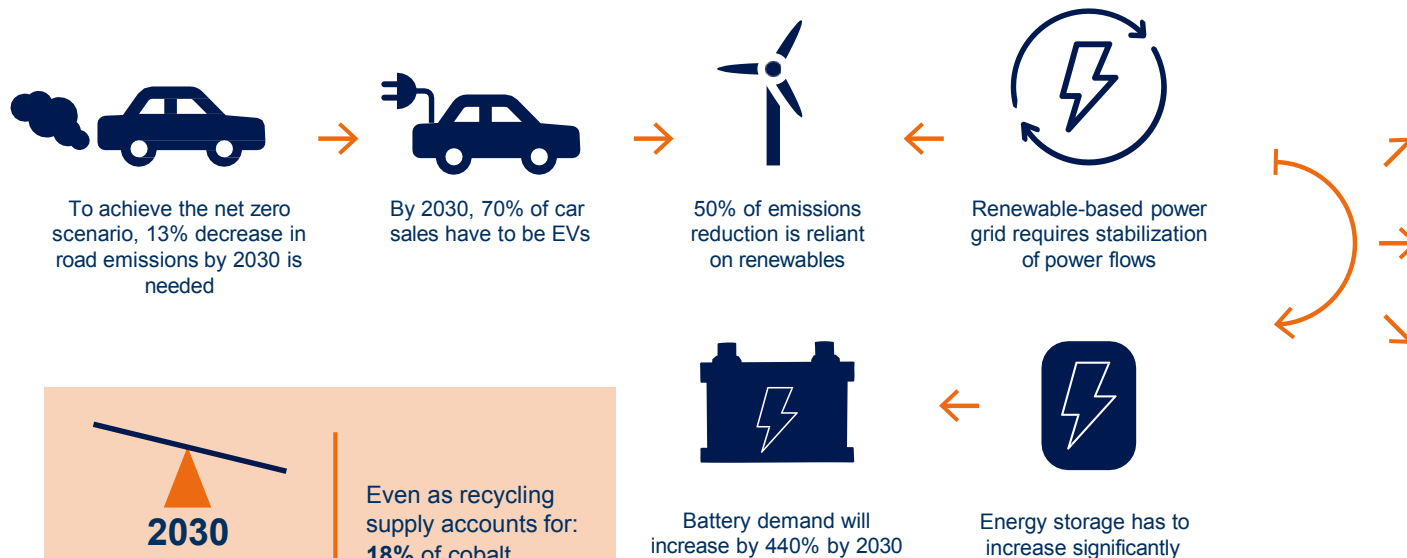


Advanced projects with substantial on-ground activity commenced and moving toward resource drilling

Structural Support for Battery Metals

“Battery demand is not cyclical, rather it is structurally underpinned by strong policy incentives and rapid EV market momentum”

Battery Metals in the Green Transition



2030

32% Cobalt in deficit
22% Nickel in deficit
13% Lithium in deficit

Even as recycling supply accounts for:
18% of cobalt
15% of lithium &
7% of nickel demand by **2030**

²⁷Co Cobalt



95% is produced as a by-product of copper and nickel

67% of cobalt mine supply comes from DRC

²⁸Ni Nickel

Changes in chemistry mix are slow moving

95% of EV batteries are nickel based in the US & EU (45% of global Battery sales)

Green Demand projected to rise **+418%** between **2020 and 2025**

50% of nickel supply is currently coal fuelled

³Li Lithium



An increment in China's lepidolite projects is raising supply

7 fold increase in green demand

~50% Of lithium brine production located in water scarce countries

CAPITAL STRUCTURE

FTL

ASX Code

\$7.4M

Cash & Script
(7 Nov 22)

\$12.7M

Market Cap
Share price \$0.165 7 Nov 2022

7.0M

Options –
\$0.30 strike

\$5.3m

Enterprise Value

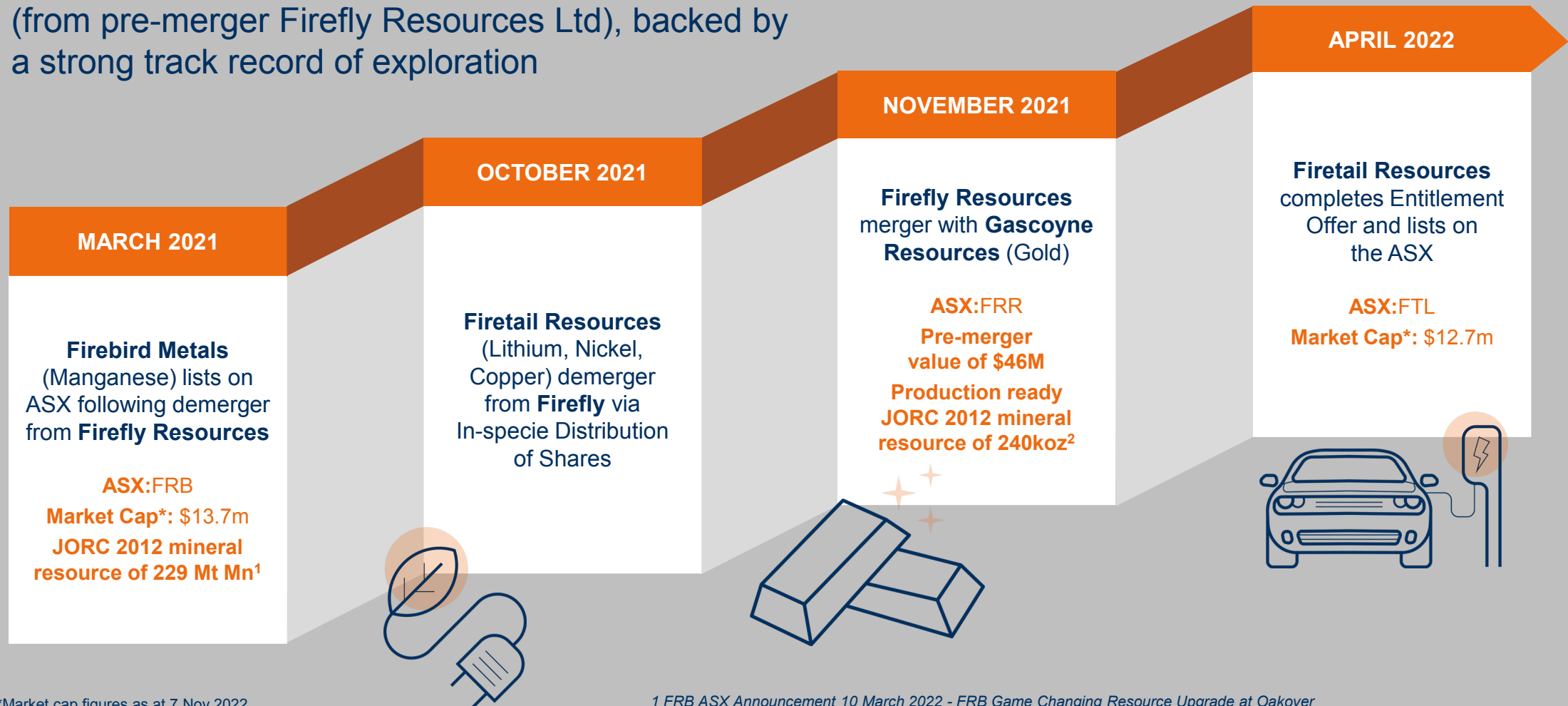
77.0m

Total Shares

Top 20 hold 72% of the Register

Strong Company Pedigree

The Board and shareholder base has a solid history of unlocking value by monetising non-core assets (from pre-merger Firefly Resources Ltd), backed by a strong track record of exploration



*Market cap figures as at 7 Nov 2022

1 FRB ASX Announcement 10 March 2022 - FRB Game Changing Resource Upgrade at Oakover

2 GCY ASX Announcement 6 December 2021 - 24% Increase In Yalgoo Gold Resource to 243,613oz Strengthens Dalgaranga Growth Pipeline

Project Portfolio

LITHIUM

Yalgoo – Dalgaranga
Forrestania Investment

NICKEL

Mt Slopeaway

COPPER

Paterson

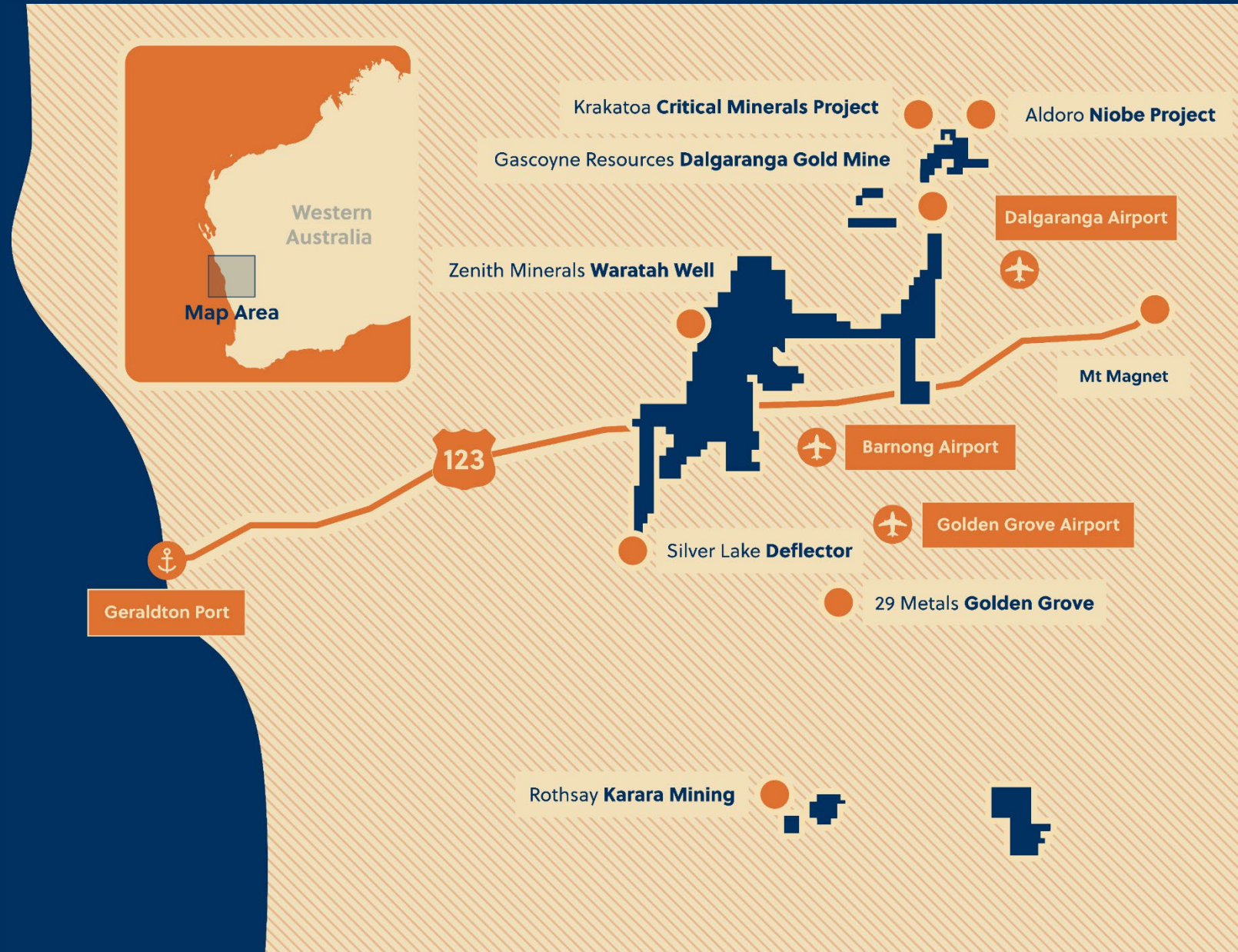
GOLD - LITHIUM

Forrestania Investment
Paterson



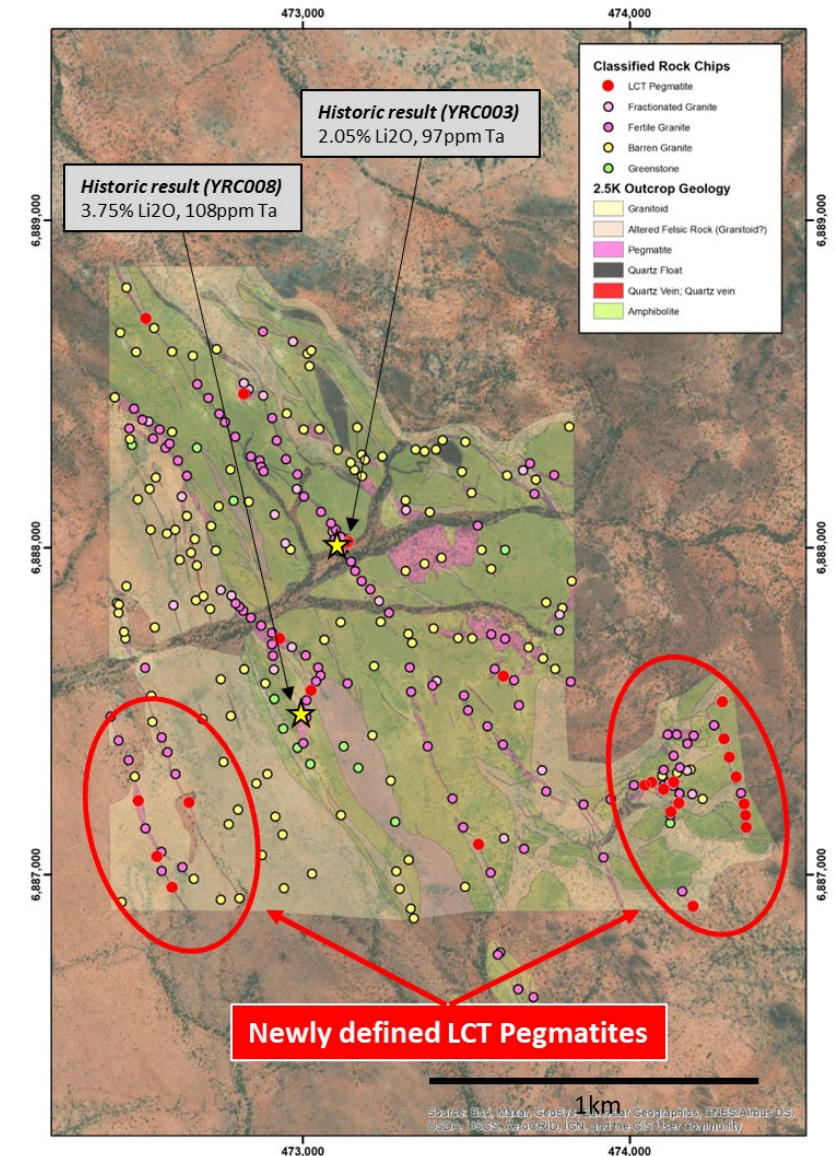
Yalgoo Lithium

- **14 granted** concessions covering over **1750km²** in area
- **Located near Geraldton Port** in the growing Mid-West mining region of WA
- **Close to all necessary infrastructure**, including mine camp **powered by renewable energy**



Confirmation of Lithium-bearing system at Yalgoo from detailed mapping

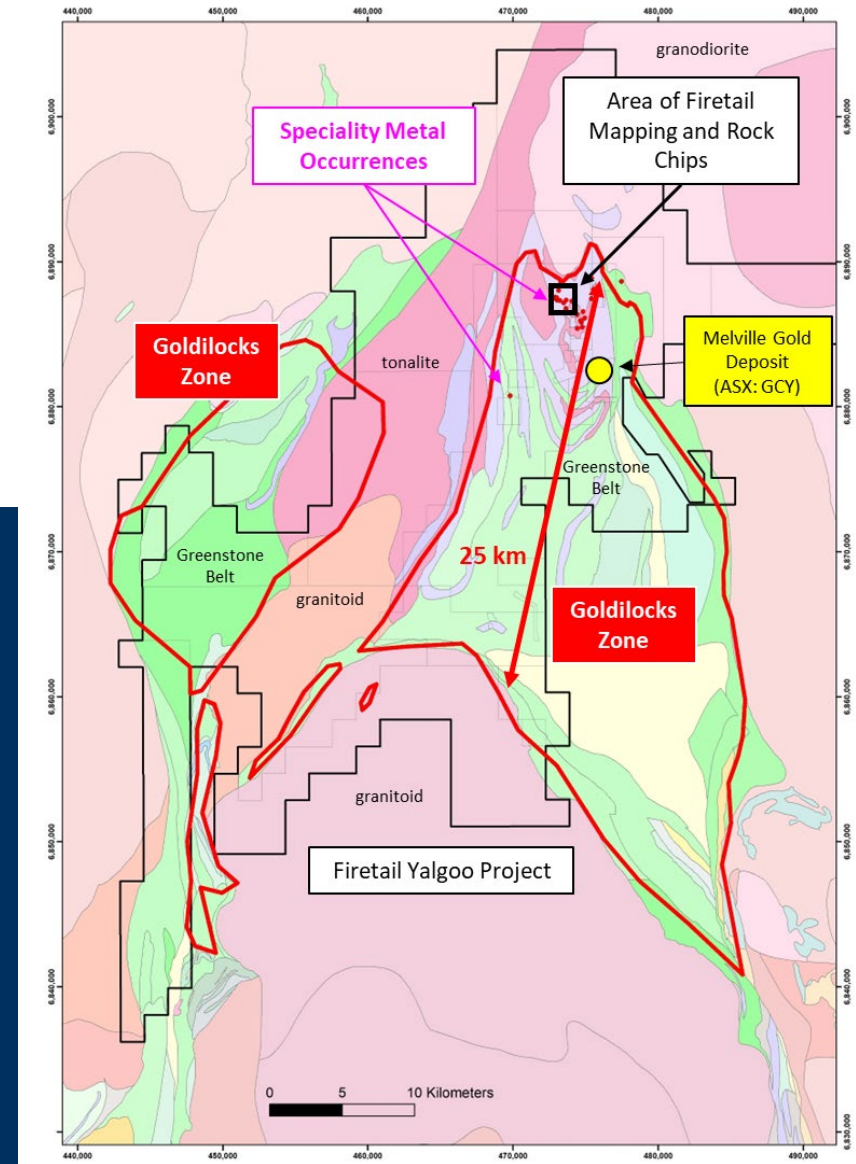
- Assay results from rock-chips revealed multiple new LCT pegmatite bodies
- 231 rock-chip samples collected in 2nd phase mapping **defined** as predominantly **fertile granite**, **LCT pegmatite** and **fractionated granite**
- 19 samples classified as **LCT pegmatite** located in **areas outside previously identified** as containing LCT pegmatites



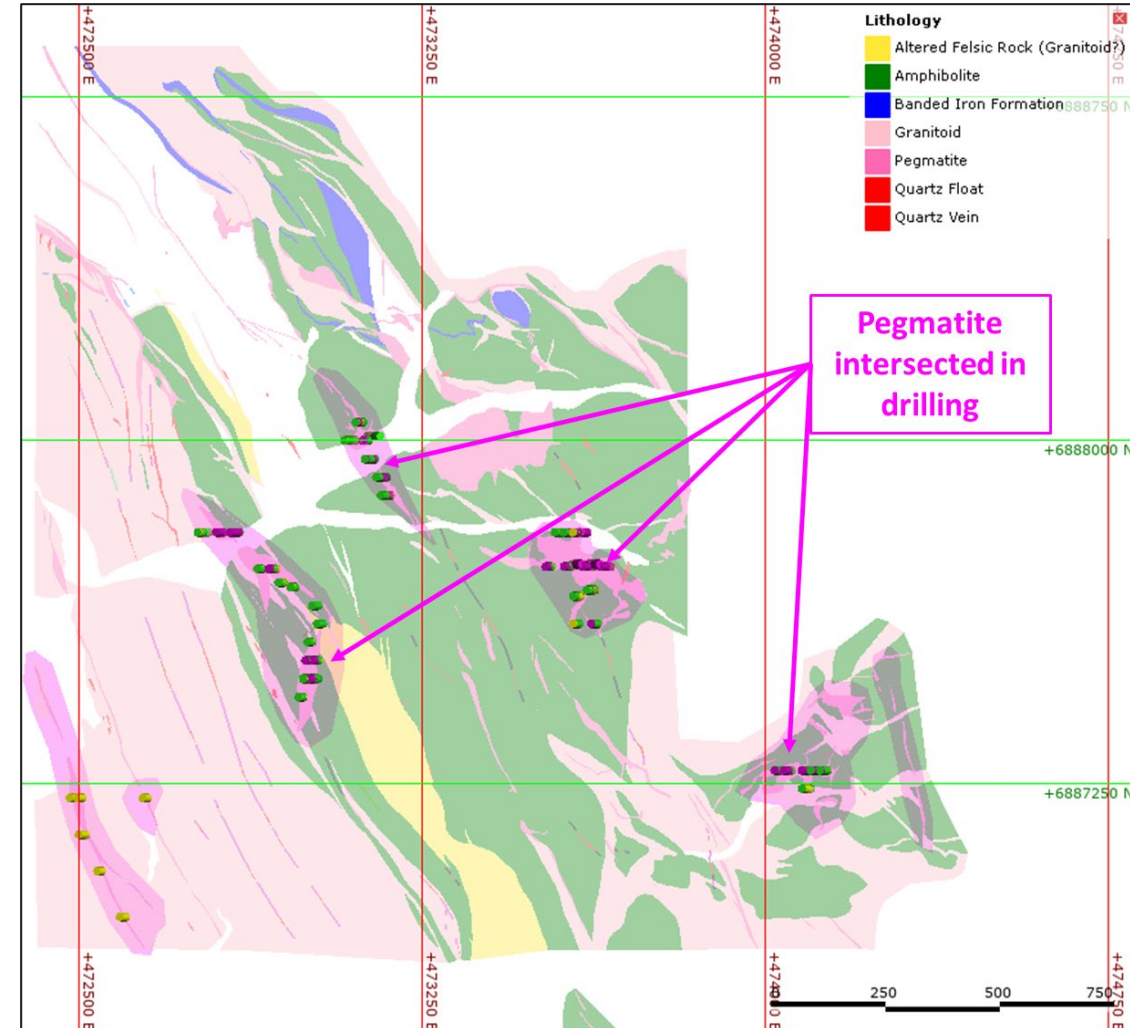
Exploration success from proven technique of surface mapping and geochemical sampling

+25km "Goldilocks Zone" confirmed to host Lithium Caesium-Tantalum (LCT) pegmatites

- Corridor confirmed to envelope high-grade Lithium-Caesium-Tantalum rock-chip samples, historic results up to 3.75% Li₂O
- Maiden drilling campaign completed over an area of just 1km by 2km, intersecting multiple wide zones of pegmatite
- Results from maiden drilling will refine strategy for exploration of +25km scale "Goldilocks Zone"



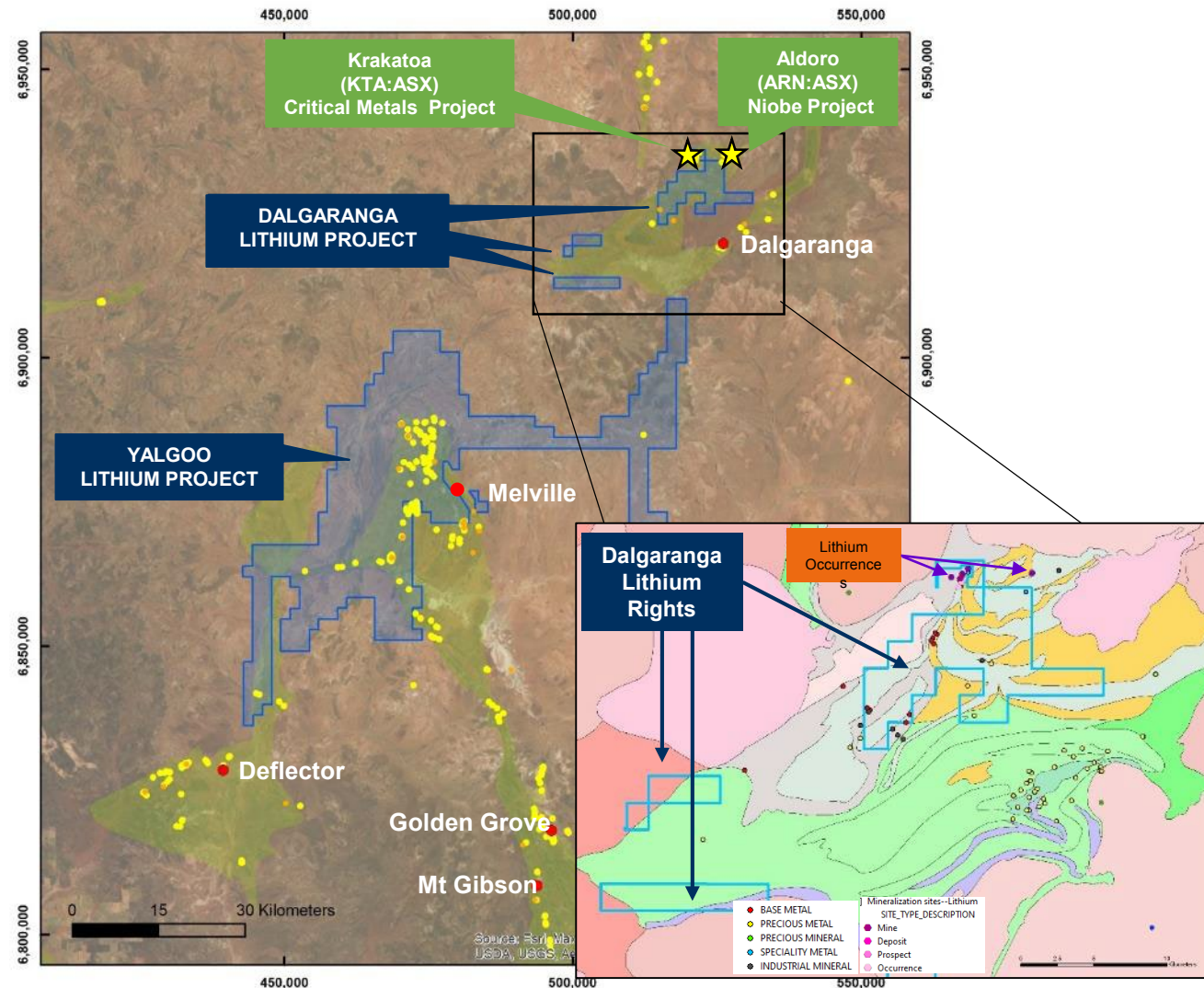
Hole ID	East	North	RL	Dip	Azimuth	Depth	Logged Pegmatite
22YGRC001	472800	6887800	400	-60	90	36	0-36m (EOH)
22YGRC004	473160	6888010	400	-60	270	60	20-22m, 29-30m, 45-49m
22YGRC008	473125	6887960	400	-60	90	48	2-6m, 30-40m
22YGRC009	473150	6887920	400	-60	90	50	17-47m
22YGRC010	472830	6887800	400	-60	90	46	0-42m
22YGRC011	473580	6887800	400	-60	90	66	2-9m, 12-66m (EOH)
22YGRC016	473640	6887725	400	-60	90	50	0-46m
22YGRC017	473600	6887725	400	-60	90	54	0-52m
22YGRC020	473160	6887880	400	-60	90	48	26-42m
22YGRC039	474040	6887280	400	-60	90	40	0-24m
22YGRC040	474020	6887280	400	-60	90	36	0-7m, 21-22m, 26-29m
22YGRC044	473600	6887730	400	-60	270	40	0-35m
22YGRC045	473640	6887730	400	-60	270	54	0-53m
22YGRC046	473560	6887800	400	-60	90	78	9-75m
22YGRC047	473540	6887800	400	-60 <td 90	86	13-14m, 28-84m	
22YGRC049	472936	6887690	400	-60	90	30	0-36m (EOH)



Firetail holds the **Lithium rights** on **3 granted tenements** in the Dalgaranga Greenstone Belt in the **Murchison Province** of Western Australia

Neighbouring advanced projects confirm prospectivity of the region:

- **Dalgaranga Critical Metals Project (ASX:KTA)** includes several **known** and **mapped pegmatite** occurrences enriched with rubidium, tantalum, caesium, niobium and lithium, with **resource drilling now complete**¹
- **Aldoro Resources Ltd (ASX:ARN) Niobe Ta-Li project** has delivered a Maiden inferred JORC Mineral Resource Estimate² of 4.6Mt @ 0.17% Rb₂O and 0.07% Li₂O, with mineralisation open at shallow depth allowing potential to upgrade.



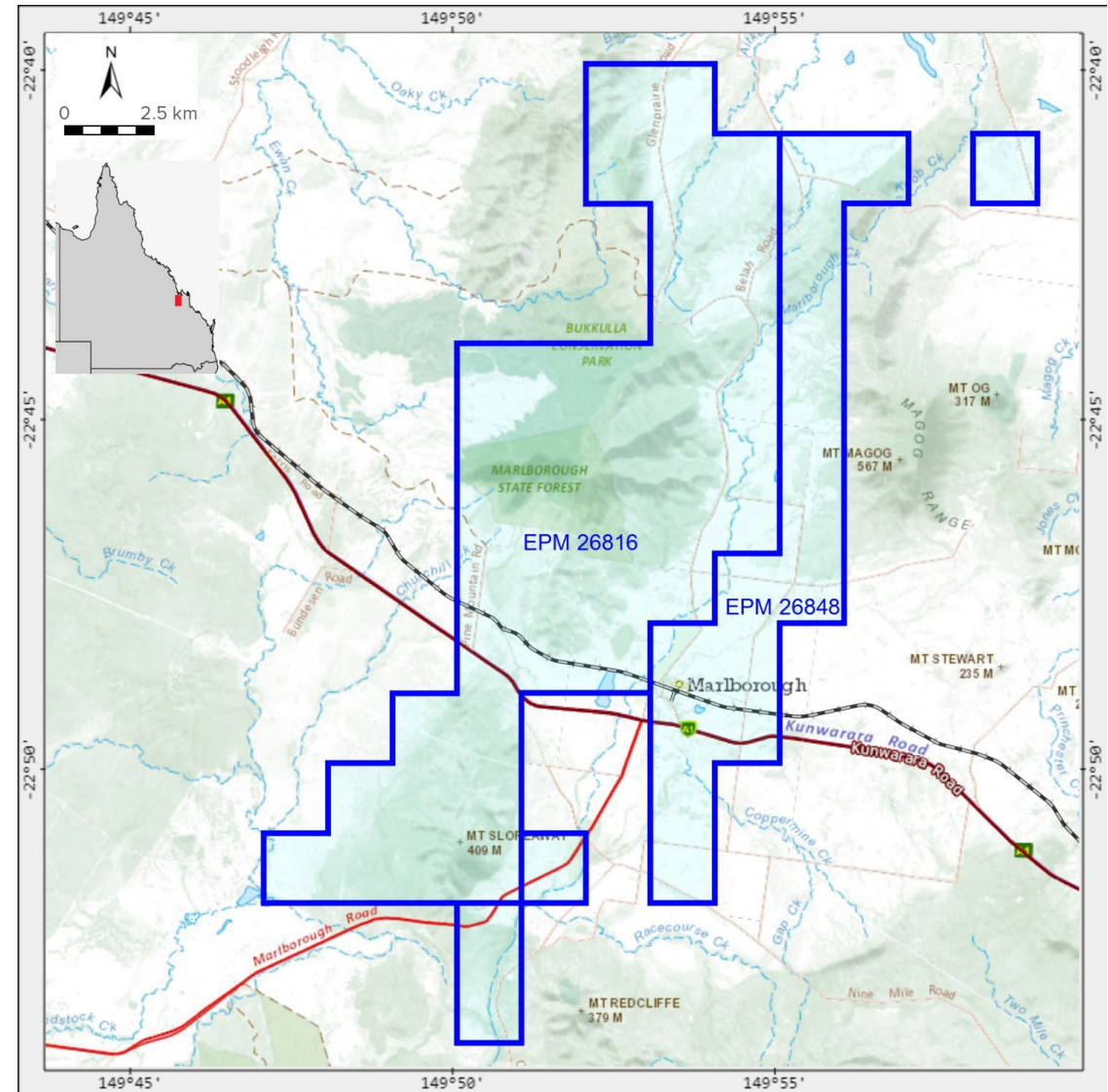
Yalgoo and Dalgaranga Project landholdings, regional geology, and mineral occurrences

¹ Refer to Krakatoa Resources (ASX: KTA) ASX announcement dated 5 July 2022 for further details on the Dalgaranga Critical Metals Project

² Refer to Aldoro (ASX:ARN) ASX announcement dated 12 October 2021 for further detail on the Niobe Rubidium & Lithium Maiden Mineral Resource

Mt Slopeaway Ni-Co-Mn

- JORC-2012 Inferred Resource¹ of **4Mt @ 1% Ni, 0.2% Co, 1% Mn** with excellent exploration upside
- Well-located **close to road, rail, port** and smelter **infrastructure**, 90km NNW of Port of Rockhampton
- **2 granted EPMs** covering an area of **188.5km²**
- **Region has significant potential** as relatively **underexplored** by modern-day techniques
- Potential to investigate **simple excavator – crush – screen – truck** processing method



Mt Slopeaway Project Location, Marlborough, QLD

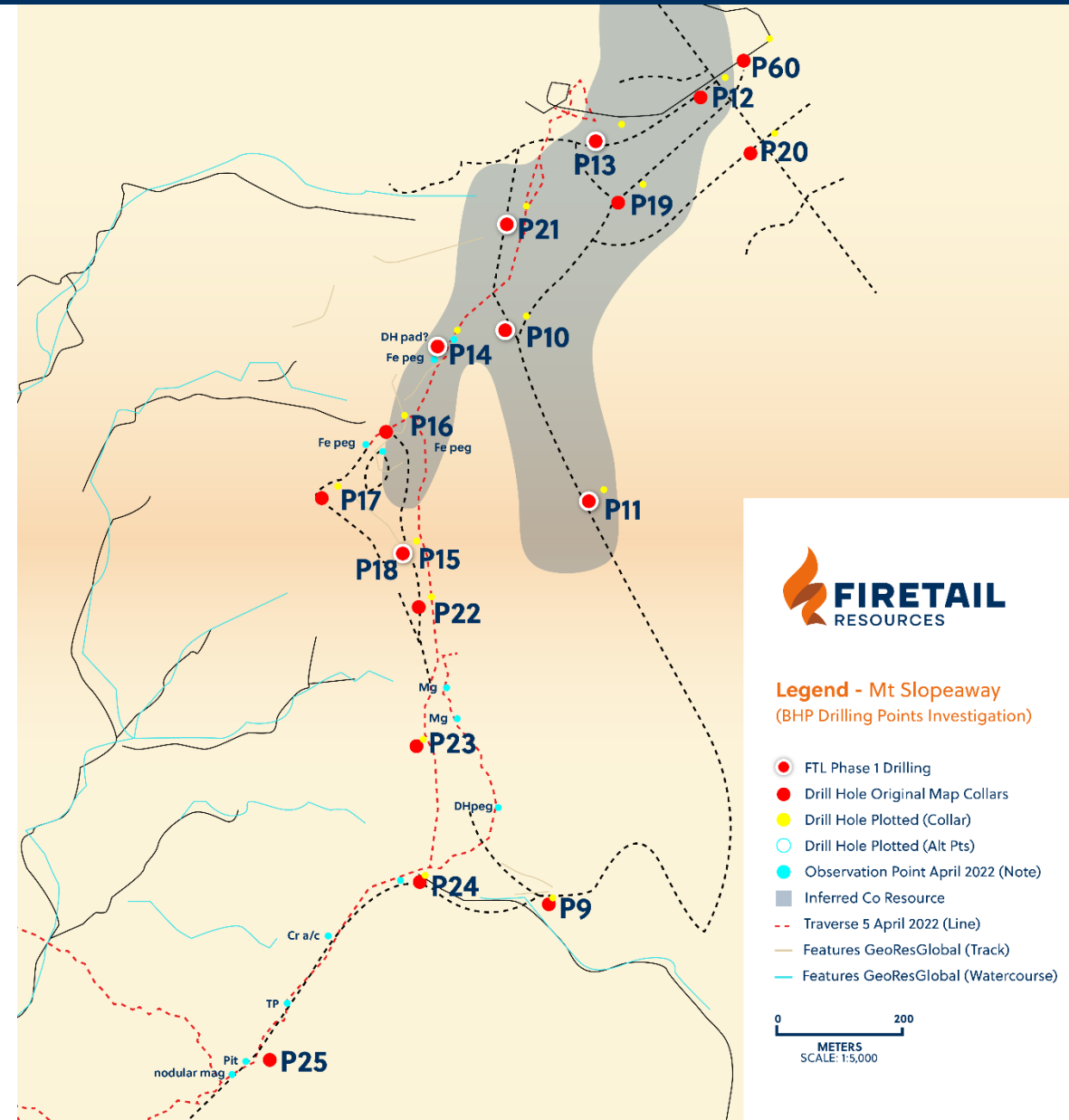
¹ Refer to Firetail prospectus 11 April 2022 for historical work on the Mt Slopeaway Project

Exploration activities advanced with drilling to commence imminently

- Environmental **permitting** and Land Access approvals completed
- Senior Exploration Geologist engaged, and reconnaissance trip completed
- Construction of access tracks and drill pads completed
- Drilling contractor to commence **drilling Q4 2022**

“First Holes in the area for 60 years”

Refer ASX Announcements 19 May 2022; 20 July 2022 and 13 October 2022 for activities completed and planned at Mt Slopeaway

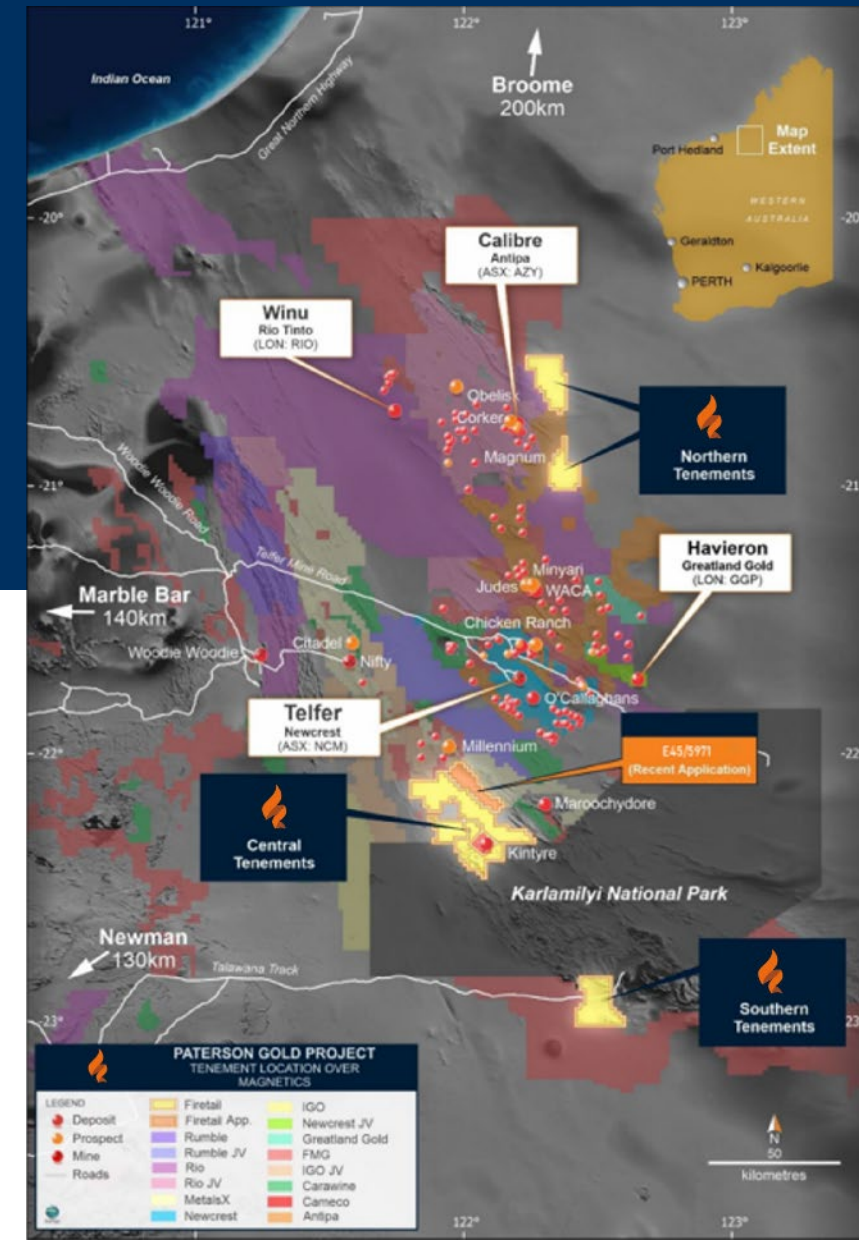


Paterson Copper - Gold

- **6 granted** tenements and one exploration application in the **highly prospective Paterson Province** in northwest WA covering ~1,000km²
- Shallow high-grade copper-gold-molybdenum targets delineated by CRA exploring for uranium in the 1980's
- Project data compilation and desktop studies have revealed **high priority areas prospective for Cu, Au, Mo, Pb, Zn and Li²**
- Experienced Senior Exploration Geologist engaged to guide exploration and define targets for the drilling program

- **Historical drilling results¹ included:**

- 87WDR2 - 17m @ 1.6% Cu, 317ppm Mo, including 9m @ 2.6% Cu, 456ppm Mo from 84m,
- 87WDR6 - 9m @ 2.0% Cu, 272ppm Mo, including 5m @ 3.1% Cu, 430ppm Mo from 84m,
- 87WDR8 - 11m @ 1.5% Cu, 181ppm Mo, including 7m @ 2.1% Cu, 250ppm Mo from 83m, and
- 87WDR14 - 13m @ 1.1% Cu including 6m @ 2.0% Cu from 107m

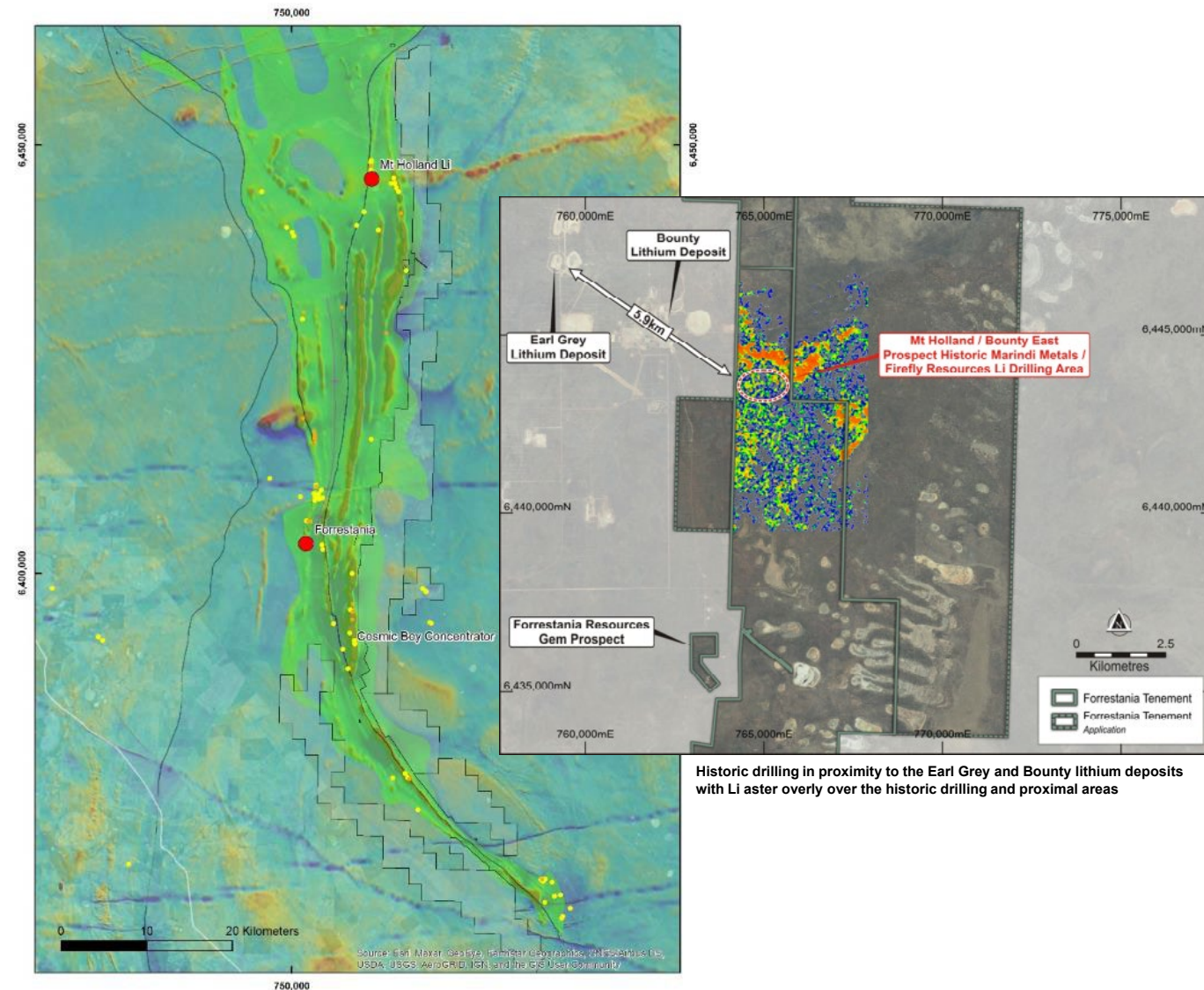


¹ Refer to Firetail Prospectus for further details on Paterson historical Cu-Au drilling results
² ASX Announcement 24 May 2022 – Paterson Copper-Gold Project Update

Forrestania Resources Investment (ASX: FRS)



- Firetail holds 6.25M shares (10.7%) of the current issued capital, released from escrow 21 Sept 2022
- **Current value ~\$1,187,500** (7 Nov share price \$0.19)
- A milestone sum of A\$500,000 is payable to Firetail on the definition of a JORC Mineral Resource of **250,000oz of gold over 2.0 g/t Au**
- 1.0% Net Smelter Royalty will be payable over all minerals sold by FRS from the tenements
- FRS is actively exploring the **Forrestania** leases for **lithium potential** as well as **gold**



Why Invest in Firetail Resources?



Strategic EV Metal Projects



Proven Board & Management team



Existing granted project portfolio
across Li, Ni, Cu, Au, Mn and Co



Significant upside for substantial Li, Cu and Ni
resources in proven geological domains



Advanced exploration projects with high
priority targets defined

Appendix: Directors & Key Management Team

Board

Brett Grosvenor Executive Chair

Mr Grosvenor is an experienced executive with over 25 years' experience in the Mining and Power industry. Holding a dual tertiary qualification in Engineering and a Master in Business.

He is currently a director of ASX listed Perpetual Resources Ltd. Firebird Metals Limited and sits on the Industry Consultation Group for Battery and Critical Minerals.

Simon Lawson Non-Executive Director

Mr Lawson is the Managing Director of Gascoyne Resources Limited.

He holds a Master of Science in Geology from Auckland University and has more than 15 years of exploration, production and management experience in gold and base metals.

Steve Brockhurst Non-Executive Director

Mr Brockhurst has 20 years experience in the finance and corporate advisory industry. His experience includes corporate and capital structuring, corporate advisory and company secretarial services.

He is currently a Director of Nelson Resources Ltd and Locksley Resources Ltd.

Frank Bierlein Non-Executive Director

Dr Bierlein has over 30 years experience as a geologist. Dr Bierlein has held exploration and generative geology roles with QMSD Mining, Qatar Mining, Afmeco Australia and Areva NC.

He is currently a director of ASX-listed PNX Metals Ltd, Blackstone Minerals and Impact Minerals.

Management

Melanie Leighton Exploration Manager

Melanie is a geologist with over 20 years' experience in the mining industry, spanning multiple commodities and deposit types.

Melanie is a Non-Executive Director of Great Boulder Resources and has held management and senior geological roles with Hot Chili Limited, Harmony Gold, Hill 50 Gold and Northwest Resources, gaining practical and management experience within the areas of exploration, mining and resource development.

Leon Bagas Senior Exploration Geologist

Leon is an Exploration Geologist with 40 years industry experience. He has held senior exploration roles with Australian companies and Senior Research positions for the University of Western Australia.

Leon is highly experienced with developing mineralization models using geochemistry and geochronology. Combined with his proficiency in the field, Leon is assisting the development of the exploration and drilling programs at the Paterson Orogen and Yalgoo-Dalgaranga project areas.

Phillip Mackenzie Senior Exploration Geologist

Phill has worked in Central Queensland over several decades exploring the Marlborough and Yeppoon terrain assessing and exploring for nickel, cobalt, chromite, magnesite and gold related to the Princhester Serpentinite.

The work included management of projects and teams to perform activities ranging from regional sampling to resource drilling. Several hundred drill holes targeting lateritic nickel (with cobalt) were assessed and an indicated resource determined for a Mining Lease.



Contact

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Executive Chairman

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