



# Battery Metal Exploration Focus

**Investor Presentation**

**September 2023**

ASX: **FTL**



# Disclaimer



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The information in this presentation that relates to Exploration Results from the Picha Project, Peru is extracted from the ASX announcements *29 August 2023: Drill planning advances at Picha Copper Project Peru*; *4 August 2023: Valor Secures Final drilling approvals for Picha Copper Project, Peru* which are available to view on the Company's website ([www.firetailresources.com.au](http://www.firetailresources.com.au)).

The information in this presentation that relates to Exploration Results from the Yalgoo/Dalgaranga Projects is extracted from the ASX announcements: *15 September 2022: High Grade Lithium Rock Chips Enveloped by 25km+ Large Scale "Goldilocks Zone" at Yalgoo*; *28 October 2022: Wide Zones of Pegmatite Intersected at Yalgoo Lithium Project*; *3 April 2023: Maiden Drill Campaign confirms High-grade Rubidium at Yalgoo*; *23 May 2023: Rock Chips confirm Fertile System at Johnson Well, Yalgoo Lithium Project*; *23 August 2023: Yalgoo drill program confirms continuity of LCT pegmatites* which are available to view on the Company's website ([www.firetailresources.com.au](http://www.firetailresources.com.au)).

The information in this presentation that relates to the JORC Mineral Resource Estimate for the Mt Slopeaway Project is extracted from the ASX Announcement: *25 February 2022: Firetail Prospectus* and the information relating to Exploration Results from the Mt Slopeaway Project is extracted from the ASX Announcements: *19 May 2022: Reconnaissance Site Visit*; *20 July 2022: Project and Activities Update*; *13 October 2022: Drilling Campaigns set to commence at Yalgoo & Mt Slopeaway*; *25 November 2022: Drilling to commence at Mt Slopeaway Ni-Co-Mn Project*; and *3 May 2023: Mt Slopeaway Drilling Confirms & Exceeds Historical Results* which are available to view on the Company's website ([www.firetailresources.com.au](http://www.firetailresources.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 the material assumptions and technical parameters 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 announcement.

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

# Why Firetail?



Strategic EV Metal Projects with projects across Li, Ni, Cu, Au, Mn & Co



Drill ready. High priority targets defined and advanced exploration underway on multiple projects



Fully funded for exploration activities



Proven Board & Management team

## Peru Projects



## Australia Projects

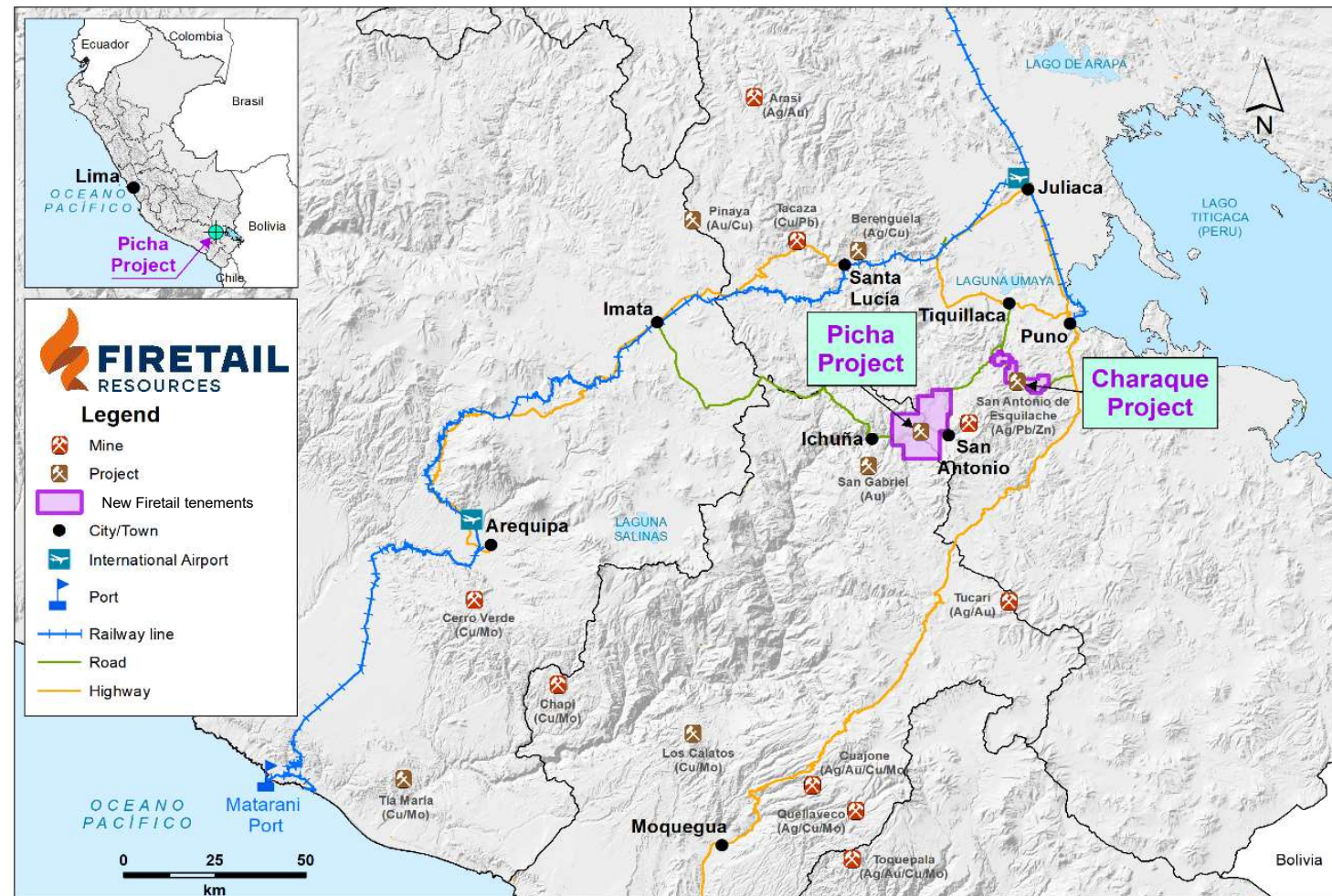




# Peruvian Project Overview

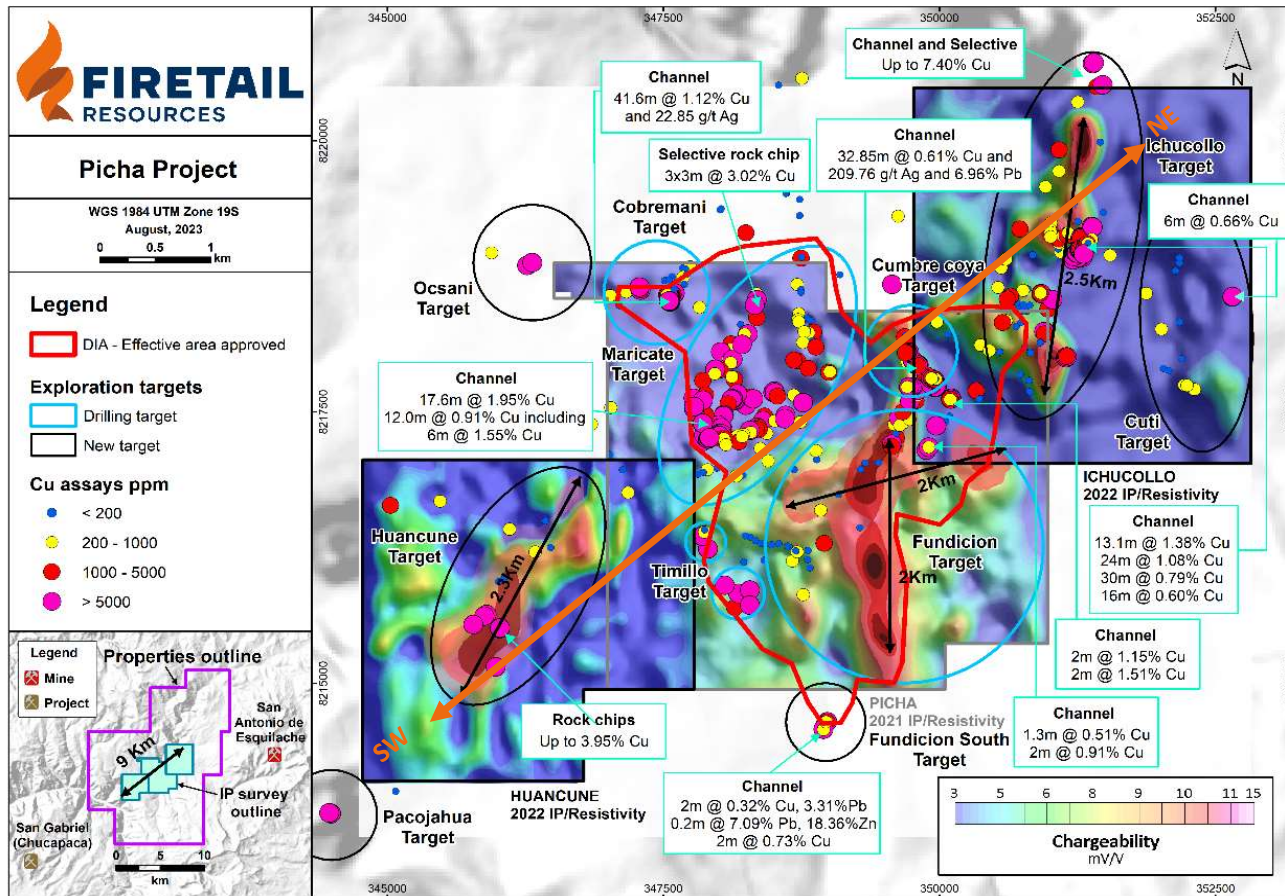


- Peru is a mining-friendly jurisdiction where 12% of GDP and 60% of total exports is attributed to the mining industry.
- Peru is currently the 2nd largest global producer of copper and silver.
- Projects located close to existing transportation & infrastructure.
- Farm in Deal completed with Barrick
- Surrounded by Gold and Copper Projects, including
  - **San Gabriel Gold Project** (Buenaventura NYSE: BVN) – fully permitted and in construction
  - **Berenguela Ag, Cu, Mn, Zn Deposit** (Aftermath Silver TSX-V:AAG)





# Significant Exploration Program Completed



**13 Exploration targets identified** through geological mapping, surface sampling and geophysical surveys

## Geochemistry sampling program:

- 651 rock chip and channel samples
- 289 soil samples

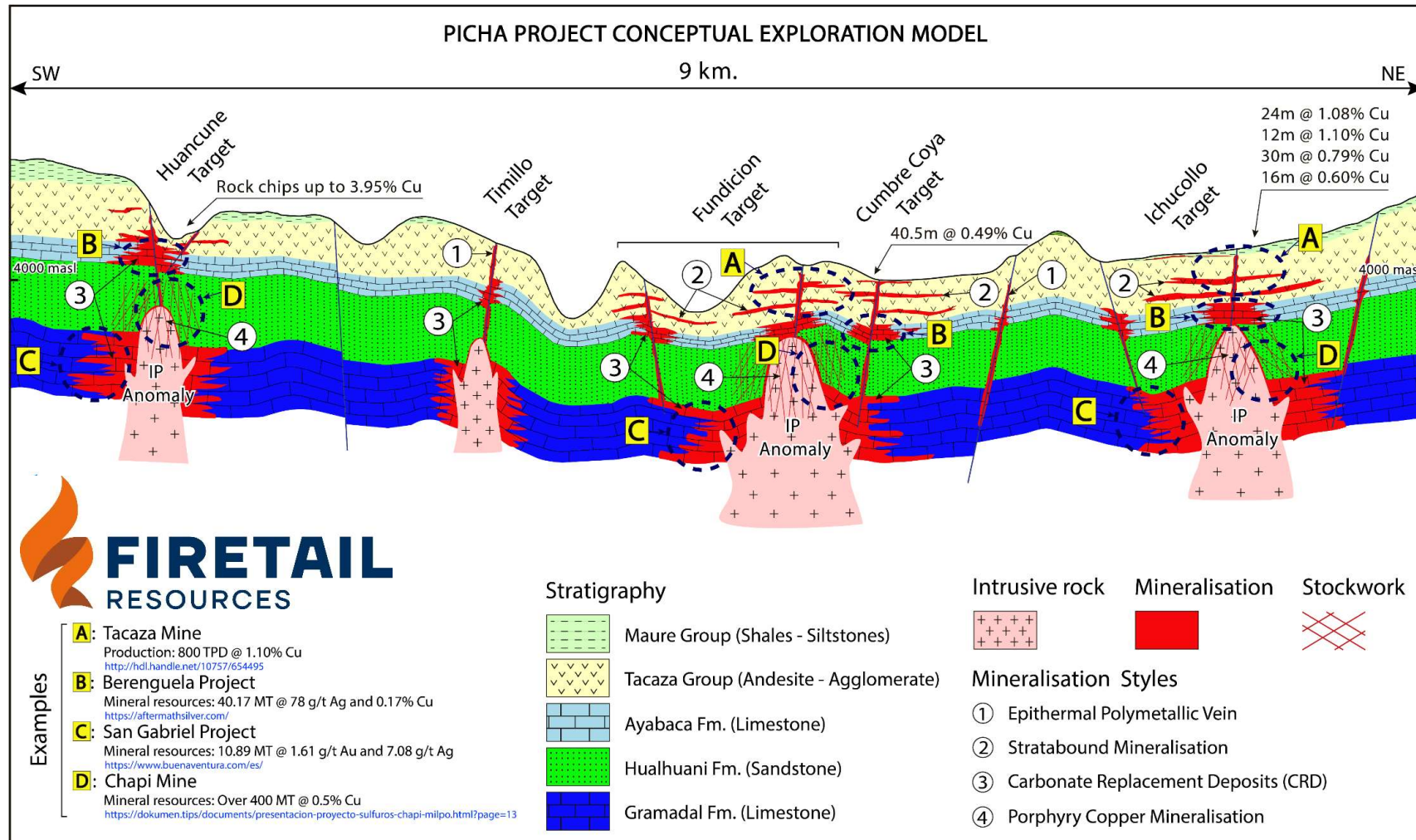
## Results (channel samples):

- 41.6m @ 1.12% Cu and 22.85 g/t Ag (Cobremani)
- 17.6m @ 1.95% Cu and 29.58 g/t Ag (Maricate)
- 32.85m @ 0.61% Cu and 209.76 g/t Ag (Cumbre Coya)

## Ground Geophysics – Induced Polarisation (IP) and Magnetic Surveys:

- IP/Resistivity Survey: 118 line-km
- Ground Magnetic Survey: 240 line-km

# Picha Mineralisation – Examples of Mines and Projects





# Picha Copper Project Drill Planning

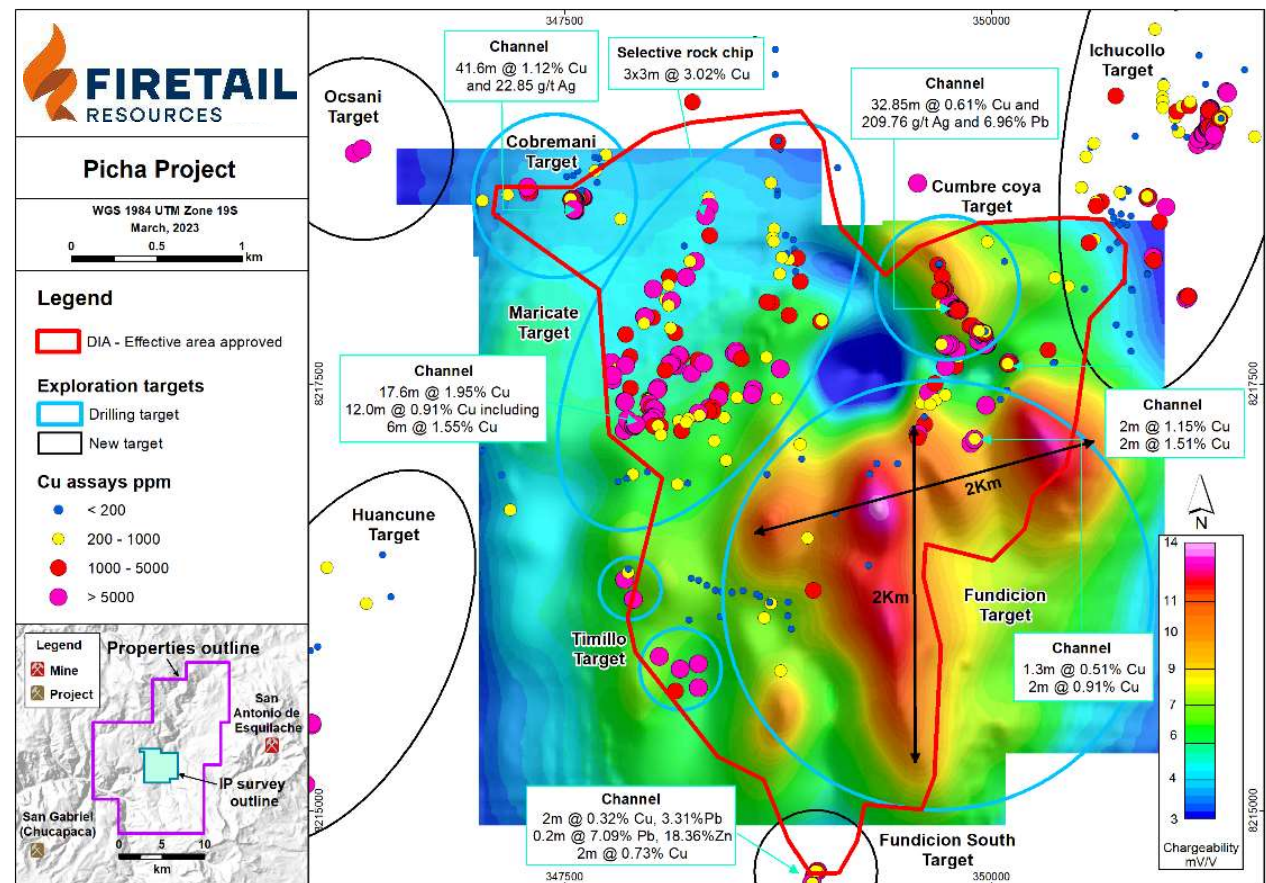


## Geochemistry & Geophysics confirms targets:

- Large chargeability anomaly identified by IP Survey at Fundicion Target reflects potential sulphide mineralisation and/or alteration at depth relating to a large porphyry body
- IP anomaly is approximately 2km long and 2km across at its widest point (NE-SW orientation)
- Widespread surface copper mineralisation coincident with IP anomalies

## Final Drilling Approvals Secured:

- Approvals received for Permission to drill (Autorizacion de Inicio) and DIA (Environmental Impact Statement for Exploration).
- Allows up to 120 holes to be drilled within the approved Effective Area
- Social agreements already in place for a minimum 5 years.



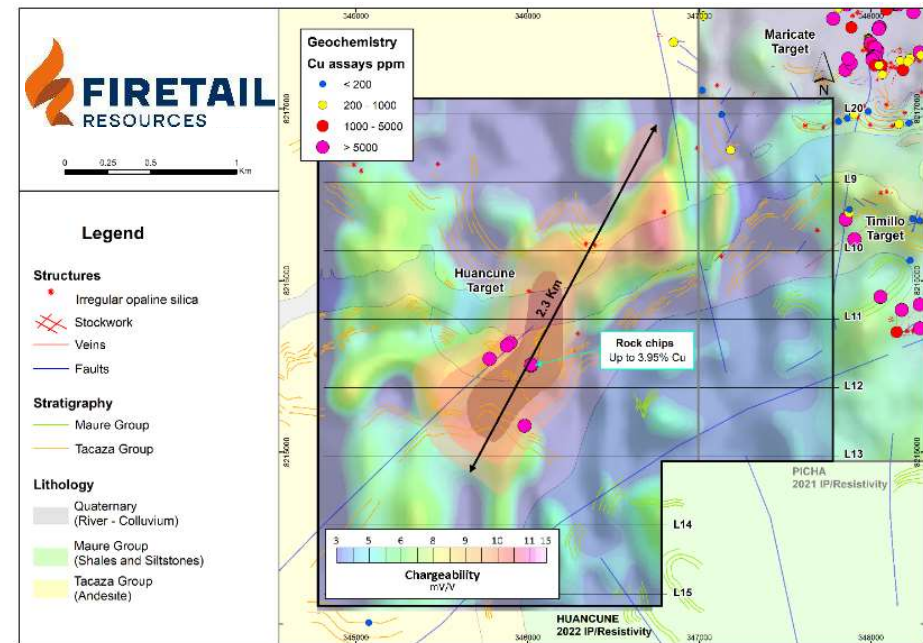
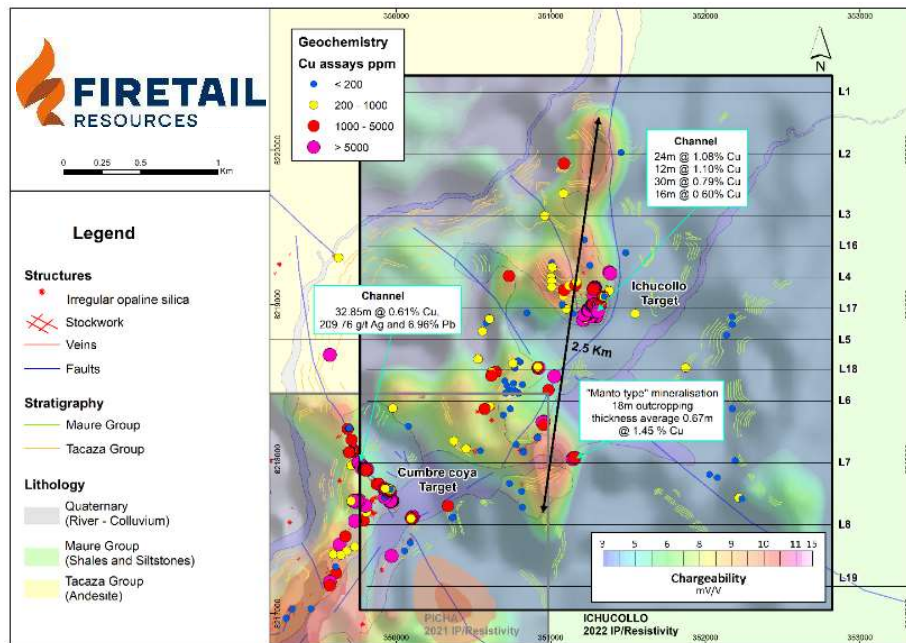


# Picha Copper Project Drill Planning



## Additional anomalies defined in second IP survey coincident with surface mineralisation – additional drill targets

- Ichucollo target – semi-continuous 2.5km long IP anomaly with coincident surface mineralisation (channel samples):
  - 24m @ 1.08% Cu, 13m @ 1.38% Cu, 30m @ 0.79% Cu
  - At southern end of target - Manto-type mineralisation over 18m averaging 1.45% Cu
- Huancune Target – 1.5km long IP anomaly coincident with surface mineralisation, multiple channel samples of >0.5% Cu up to 3.95% Cu





# Picha in Pictures

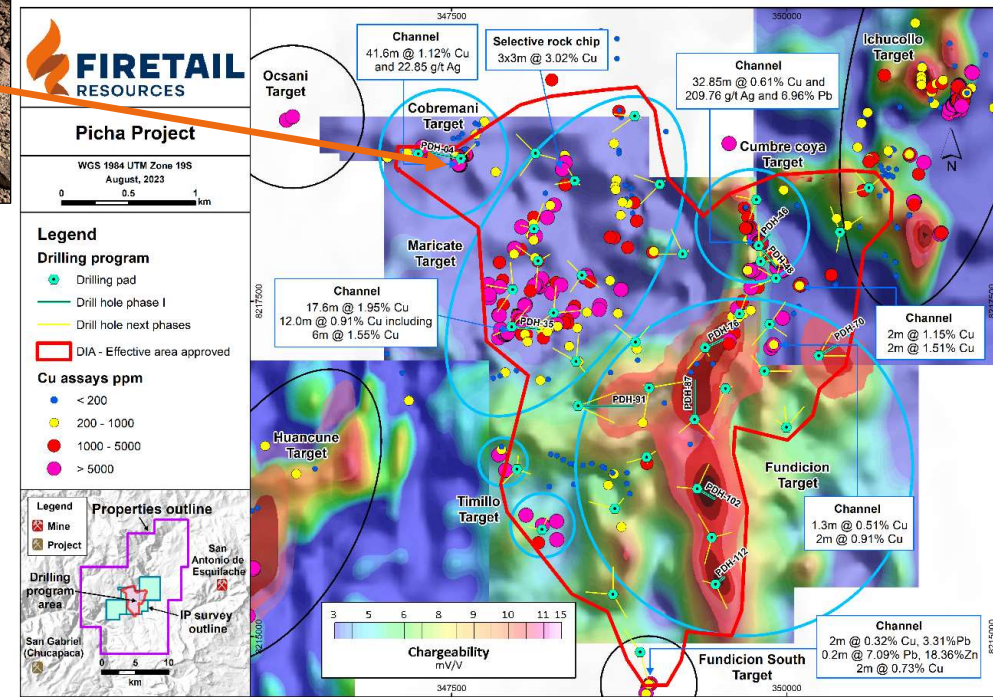
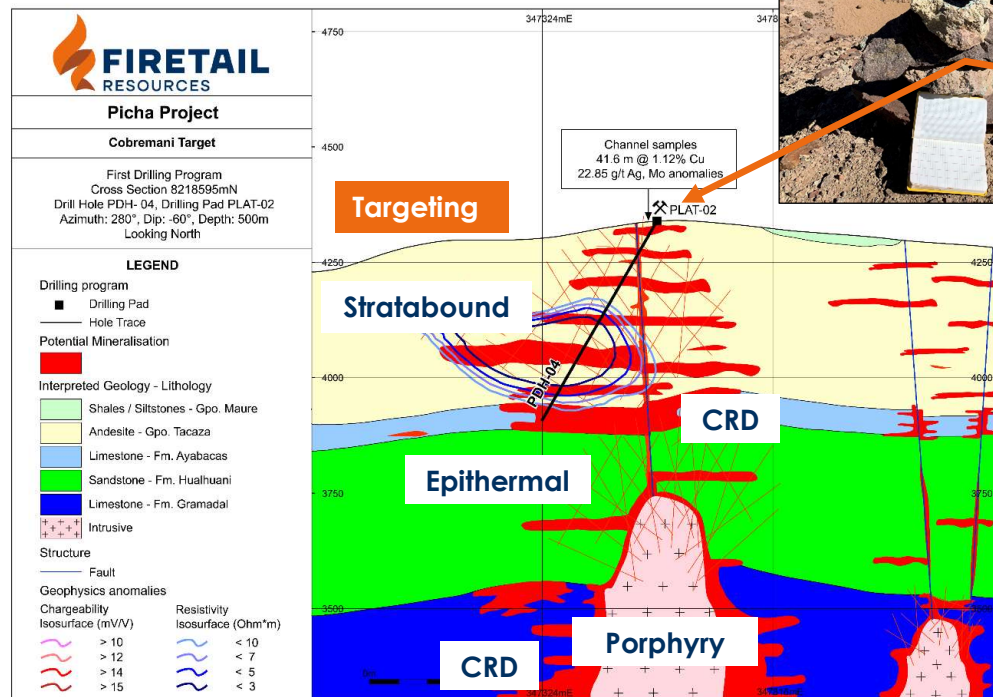




# Picha Project Exploration Program

## DRILLING PROGRAM PROPOSAL Cobremani Target: Drill hole PDH-04

- Geochemical anomaly, Channel: 41.6m @ 1.12% Cu and 22.85 g/t Ag on surface
- Geophysical anomaly: Resistivity at ~200m depth



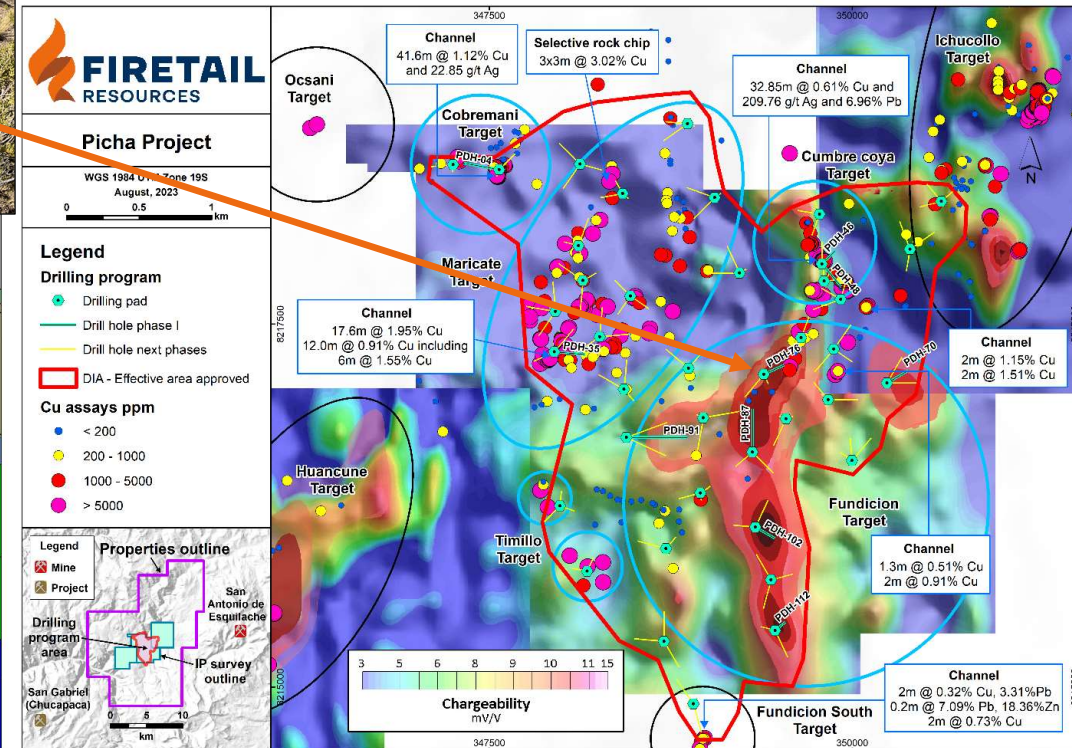
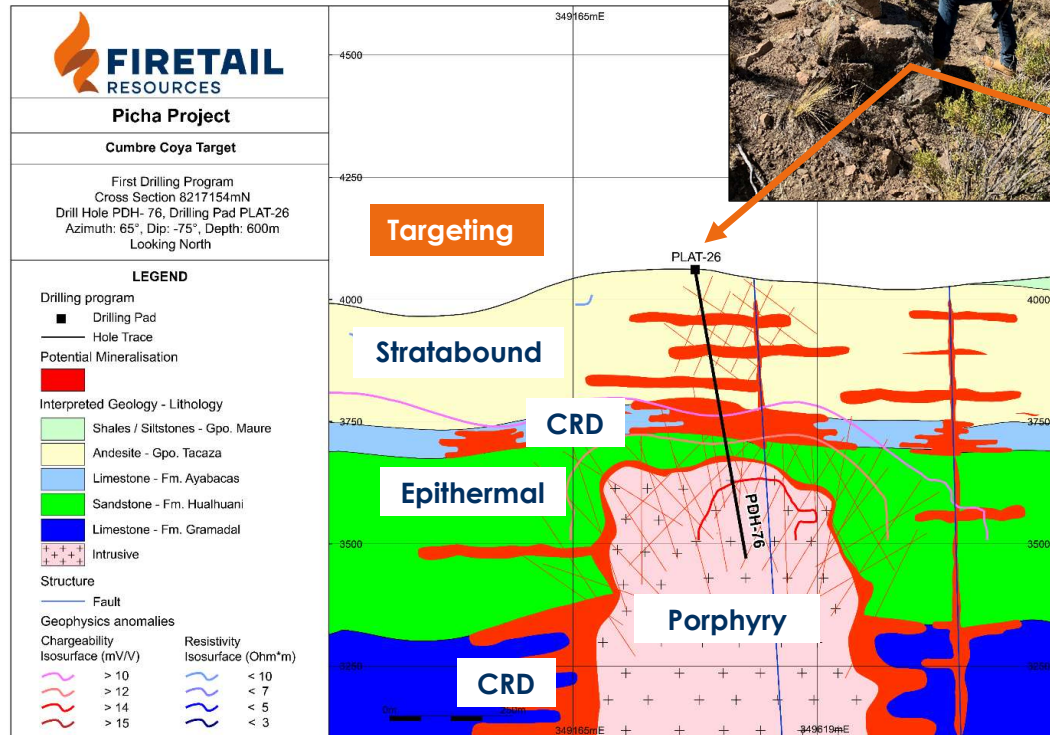


# Picha Project Exploration Program



## DRILLING PROGRAM PROPOSAL Cumbre coya Target: Drill hole PDH-76

- Geochemical anomaly, rock chip up to 1.2 % Cu
- Geophysical anomaly: Chargeability high ~250m



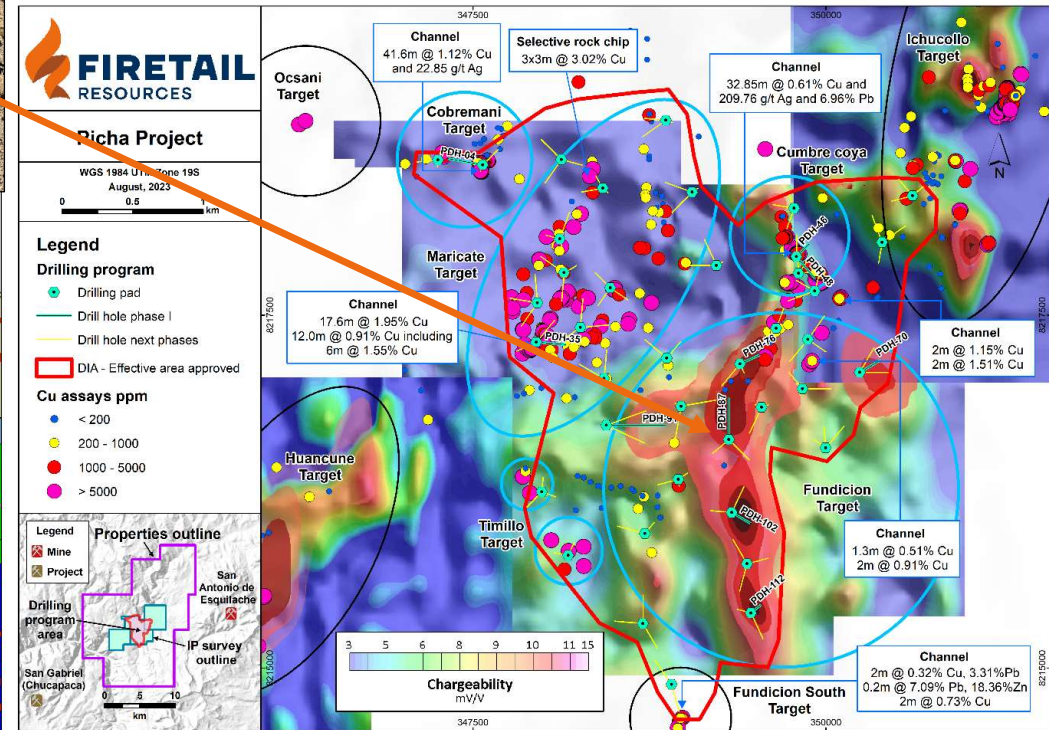
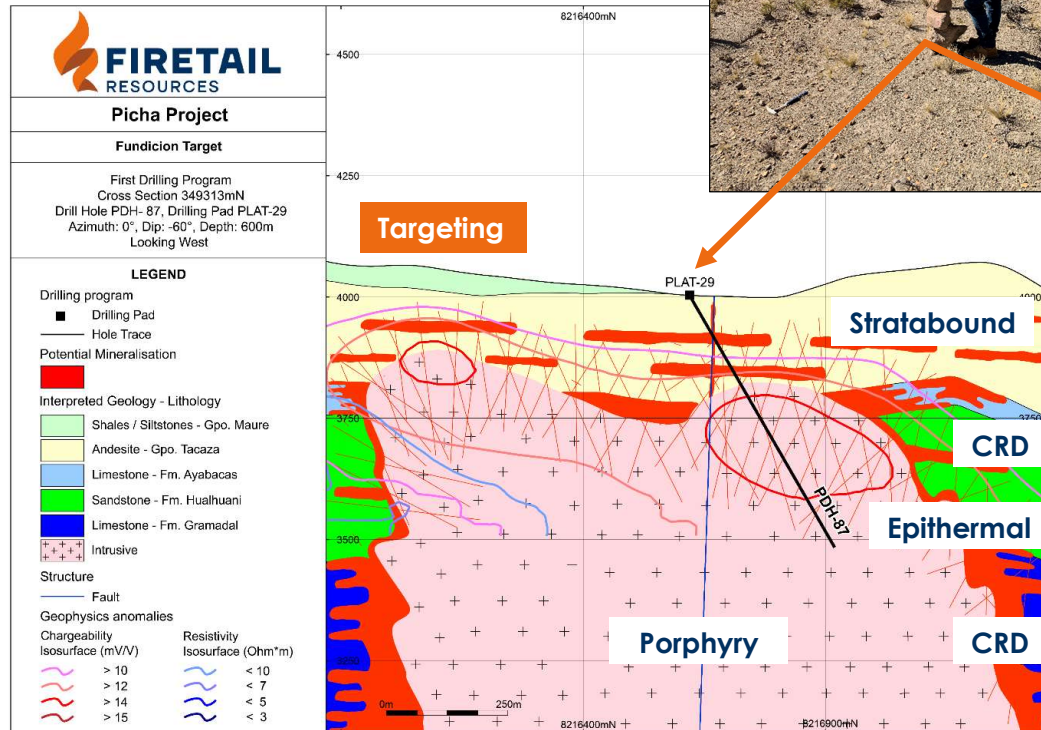


# Picha Project Exploration Program



## DRILLING PROGRAM PROPOSAL Fundicion Target: Drill hole PDH-87

- Geophysical anomaly: Chargeability and low resistivity ~250m deep.





# Yalgoo – Dalgaranga Lithium Project



- Located near Geraldton Port in the growing Mid-West mining region of WA
- Yalgoo hosts 14 granted concessions covering over 1750km<sup>2</sup>
- Dalgaranga lithium rights on 3 granted tenements
- Neighbouring advanced projects confirm regional prospectivity for Critical Minerals:
  - Dalgaranga King Tamba Project (ASX:KTA) Maiden MRE<sup>1</sup> of 5Mt @ 0.14% Rb<sub>2</sub>O with Li<sub>2</sub>O credit
  - Aldoro Resources Niobe Ta-Li Project (ASX:ARN) Maiden inferred MRE<sup>2</sup> of 4.6Mt @ 0.17% Rb<sub>2</sub>O and 0.07% Li<sub>2</sub>O

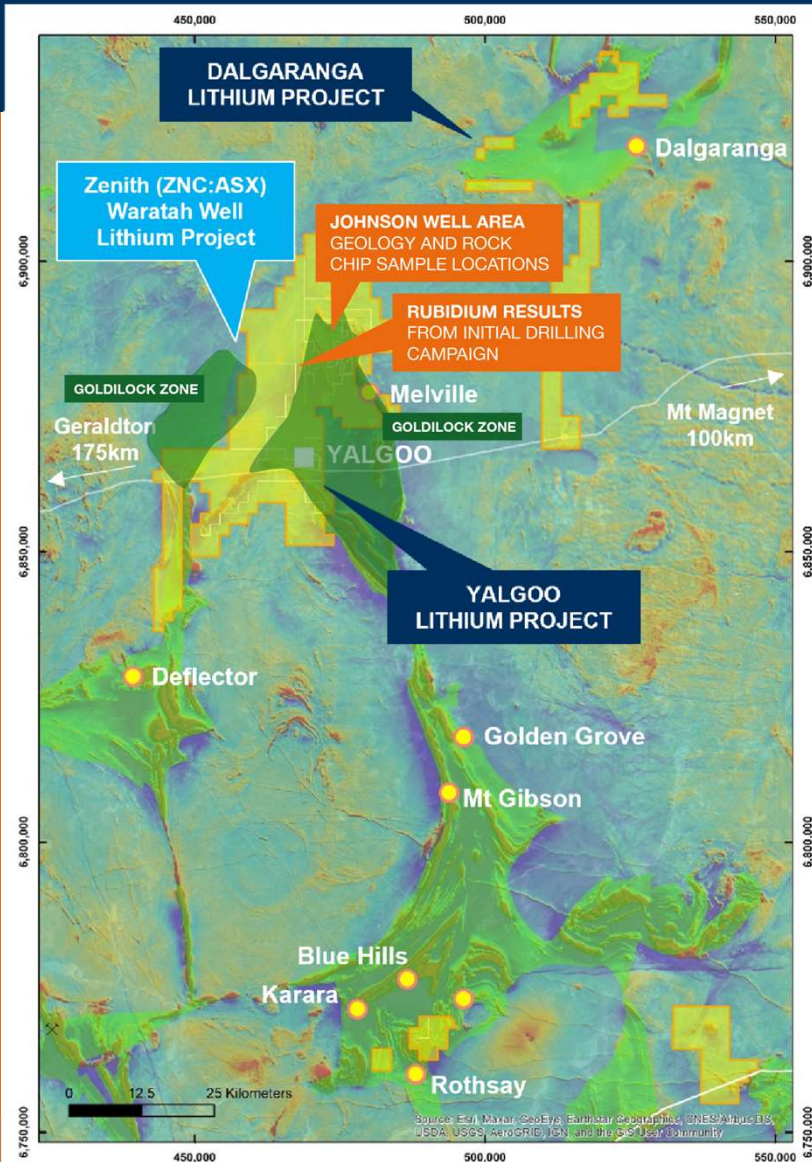


<sup>1</sup> Refer to Krakatoa Resources (ASX: KTA) ASX announcements dated 5 July 2022 & 12 October 2022 for further details on the Dalgaranga Critical Metals Project

<sup>2</sup> Refer to Aldoro (ASX:ARN) ASX announcement dated 12 October 2022 for further detail on the Niobe Rubidium & Lithium Maiden Mineral Resource



# Yalgoo Lithium Work To Date



Exploration success from proven technique of surface mapping and geochemical sampling

**+25km "Goldilocks Zone" confirmed to host Lithium Caesium-Tantalum (LCT) pegmatites, historic results up to 3.75%  $\text{Li}_2\text{O}$**

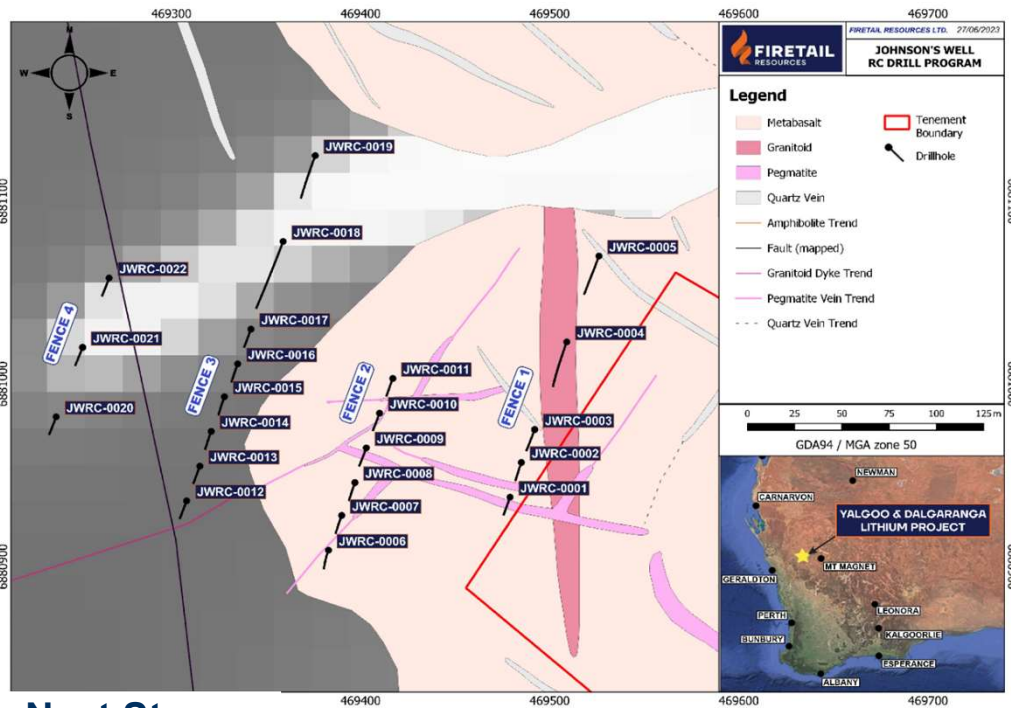
**Yalgoo initial drilling campaign completed over an area of just 1km by 2km confirms high-grade Rubidium.**

**Johnson Well:** Detailed mapping has confirmed a broad corridor of fertile pegmatites along strike to northwest of Johnson Well lepidolite mine.

**RC drill program of 22 holes for 589m at Johnson Well, followed up from geological mapping and rock-chip sampling.**

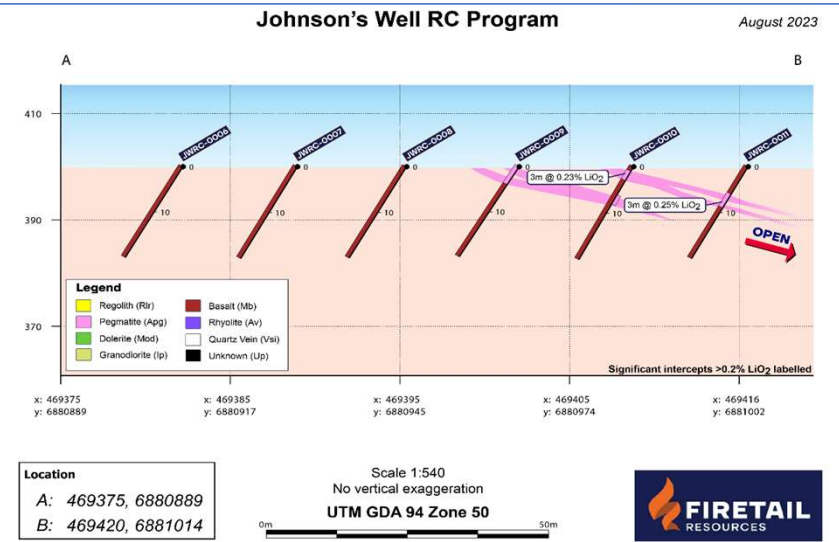
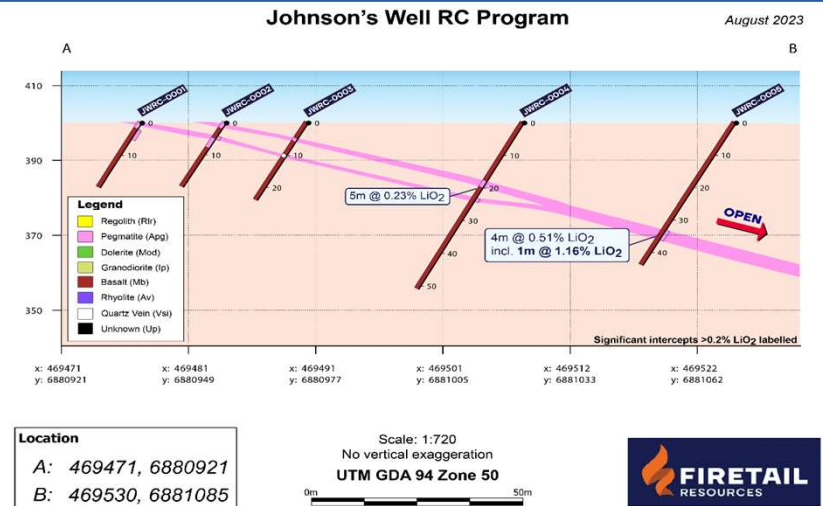
- Encouraging assay results include 3m @ 0.83%  $\text{Li}_2\text{O}$  from 32m including 1m @ 1.16%  $\text{Li}_2\text{O}$  from 34m.

# Yalgoo – Dalgara Lithium



## Next Steps:

- RC drill campaign to test down-dip extent of pegmatites at Johnson Well.
- Regional target generation at Yalgoo and Dalgara Lithium Projects.
- Further geochemical soil sampling in priority areas identified across the Project.
- Detailed petrographic and mineralogical studies in conjunction with a geochemical data study to better understand pegmatite mineralogy.



# Mt Slopeaway Ni-Co-Mn



- JORC-2012 Inferred Mineral Resource 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 **188.5km<sup>2</sup>**
- **Region has significant potential** as relatively **underexplored** by modern-day techniques
- Twin hole drilling completed in **Q4 2022 to confirm JORC 2012 Inferred Mineral Resource Estimate of 4Mt @ 1% Ni, 0.2% Co, 1% Mn**

**“First Holes in the area for 60 years”**



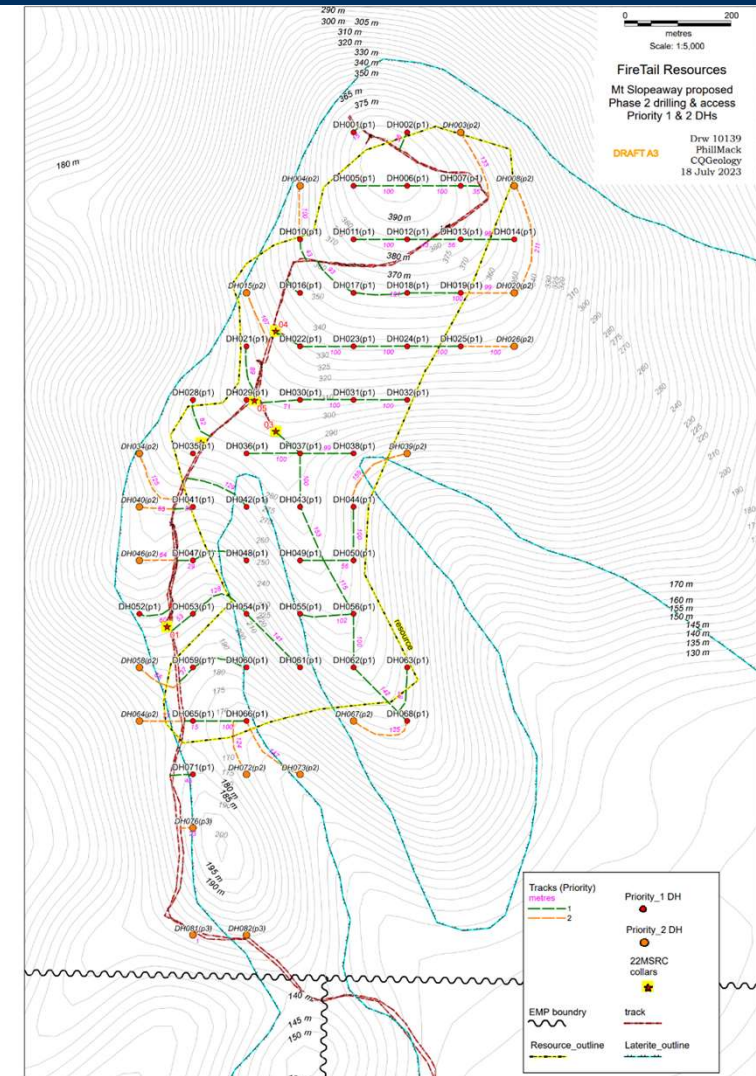
**Mt Slopeaway Project Location, Marlborough, QLD**



# Mt Slopeaway Ni-Co-Mn



- **Planning ~40 to 60 RC hole in-fill and step-out drilling program** of the area delineated by the historical MRE
- **Target Generation** - review historical data and geological context that underpins potential for further laterite Ni and Co resources across and beyond Firetail's EPM 26816 and EPM 26848 in the Mt Slopeaway region
- **Preliminary metallurgical testing program** to understand metallurgical properties and indicative recoveries
  - Ambient high Temperature Acid Leach
  - Autoclave HPAL Leach - test



# Corporate Overview



## CAPITAL STRUCTURE

ASX Code

**FTL**

Market Cap

**\$15.6M**

Share price \$0.105 (11Sep 23)

Total Shares

**148.9M**

Cash (11 Sep 23)

**\$7.9M**

Options – \$0.30 strike

**7.0M**

Enterprise Value

**\$7.3M**

## BOARD

Brett  
Grosvenor

Executive Chair

Mr. CAI  
Kecheng

Non-Executive Director

Simon  
Lawson

Non-Executive Director

George  
Bauk

Non-Executive Director

## KEY SHAREHOLDERS

Hong Kong Jayson Mining Ltd	13.17%
Valor Resources	10.07%
Spartan Resources	7.57%

Top 20 holds approx. 62% of the Register

# Why Invest in Firetail Resources?



Strategic EV Metal Projects with projects across Li, Ni, Cu, Au, MN & Co



Drill ready with high priority targets defined and advanced exploration underway on multiple projects



Fully funded for exploration activities



Proven Board & Management team



# 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 and Firebird Metals Limited. He sits on the Project Steering Group for Patriot Battery Metals and the Australian 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.

### **Mr. Cai Kecheng** Non-Executive Director

Mr. Cai Kecheng is a representative of Hong Kong Jayson Mining Co. Ltd (Jayson), a substantial shareholder of Firetail.

Mr. Cai has 18+ years experience in financial investment and corporate strategy. He is currently the Associate President and Head of Investment & Strategy for Jayson; and prior to this held Managing Director roles at a number of private equity firms in Shanghai.

### **George Bauk** Non-Executive Director

Mr Bauk is an experienced executive, with 30 years in the resources industry, having held global operational and corporate roles with WMC Resources and Western Metals.

Mr Bauk is Executive Chair of Valor Resources (ASX:VAL); Non-Executive Chairman for both Evion Group NL (ASX:EVG) and Lithium Australia Limited (ASX:LIT), and Executive Director of PVW Resources Limited (ASX:PVW).

## Technical Team

### **Robin Wilson** Exploration Manager

Robin has held senior exploration positions in several exploration and mining companies, plus 5 years working in oil and gas exploration. He is also Technical Director of Valor Resources (ASX:VAL)

During nearly 30 years of involvement in mineral exploration, he has worked on gold, nickel, REE, uranium, copper, lithium and phosphate projects throughout Australia, Africa, South America and North America and was involved in the initial discovery and outlining of several gold deposits in Australia.

### **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 Serpentine.

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.

### **Frank Bierlein** Technical Consultant

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

He served on the Firetail Board of Directors from until July 2023, before becoming a Technical Consultant for ongoing technical work on the Mt Slopeaway Project.

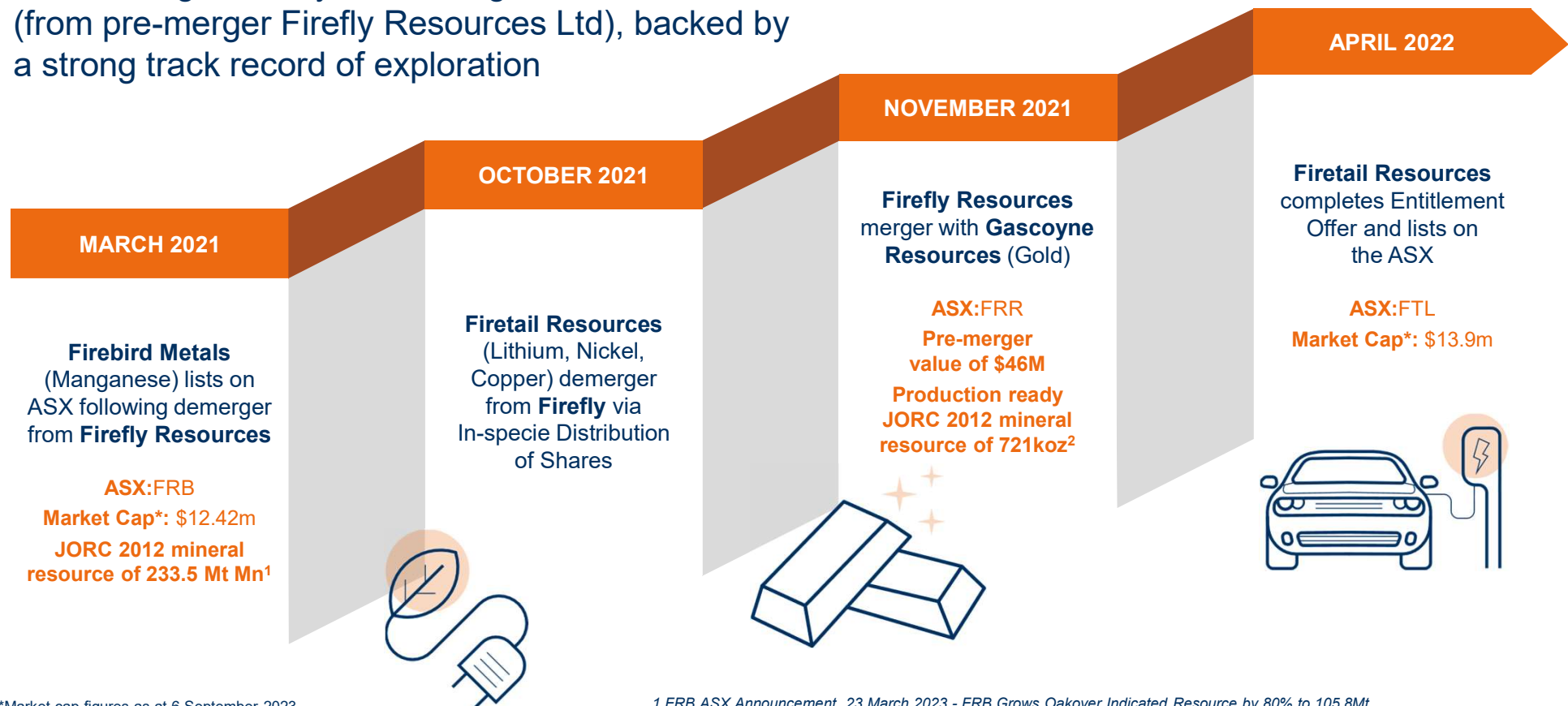
He is currently a director of ASX-listed PNX Metals Ltd, Blackstone Minerals, Impact Minerals, and Variscan Mines.



# 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 6 September 2023

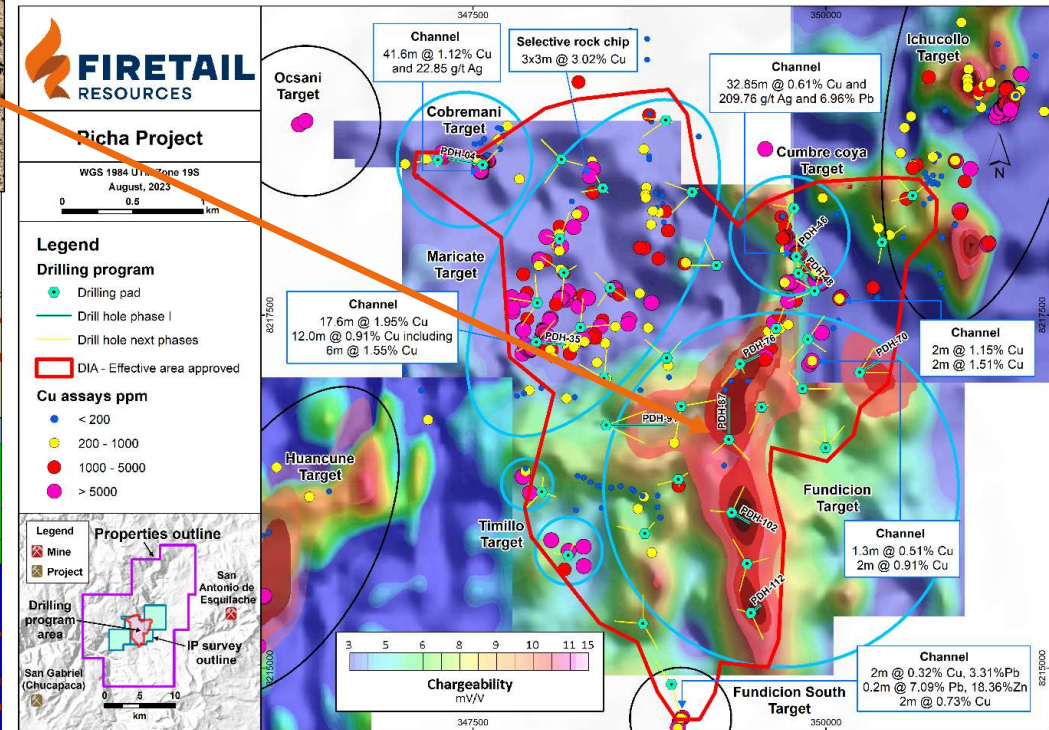
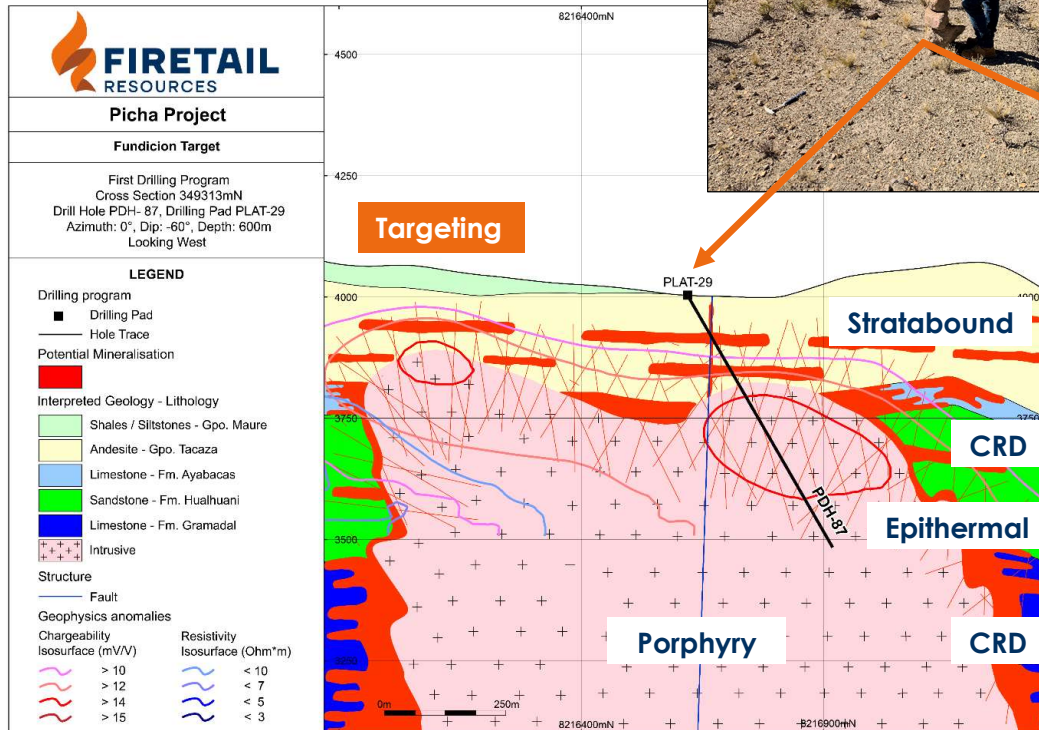
1 FRB ASX Announcement 23 March 2023 - FRB Grows Oakover Indicated Resource by 80% to 105.8Mt  
2 GCY ASX Announcement 24 July 2023 - Never Never Resource Increases to Over 720koz

# Picha Project Exploration Program



## DRILLING PROGRAM PROPOSAL Fundicion Target: Drill hole PDH-87

- Geophysical anomaly: Chargeability and low resistivity ~250m deep.

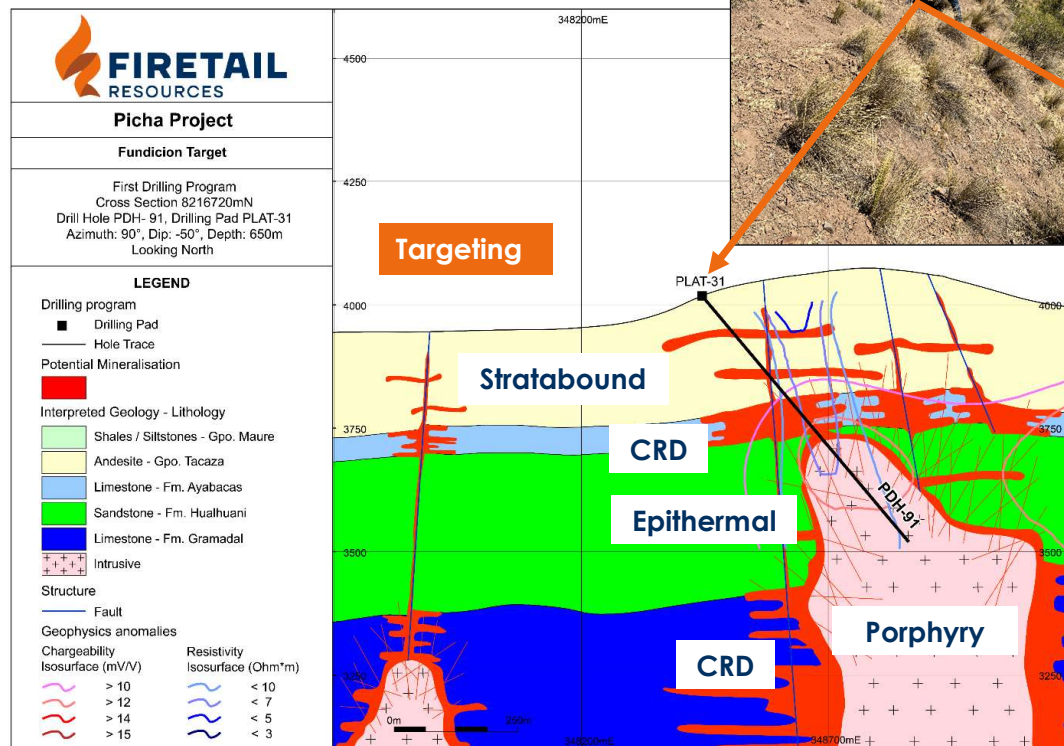




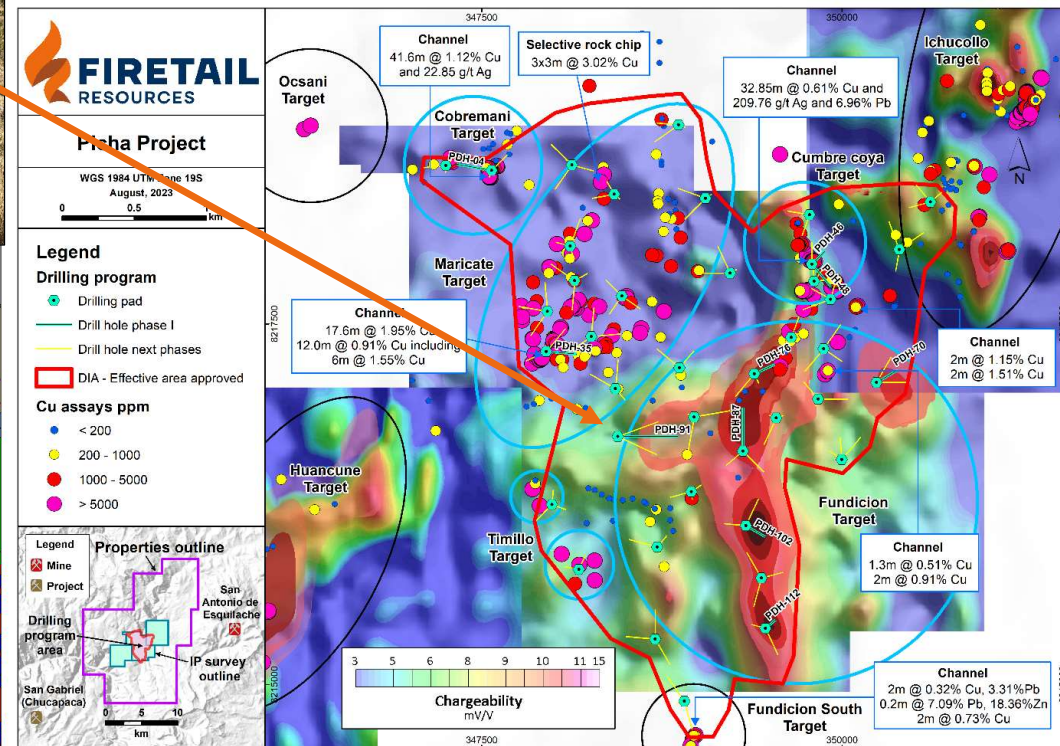
# Picha Project Exploration Program



## DRILLING PROGRAM PROPOSAL Fundicion Target: Drill hole PDH-91



- Geophysical anomaly: Chargeability and low resistivity ~300m deep

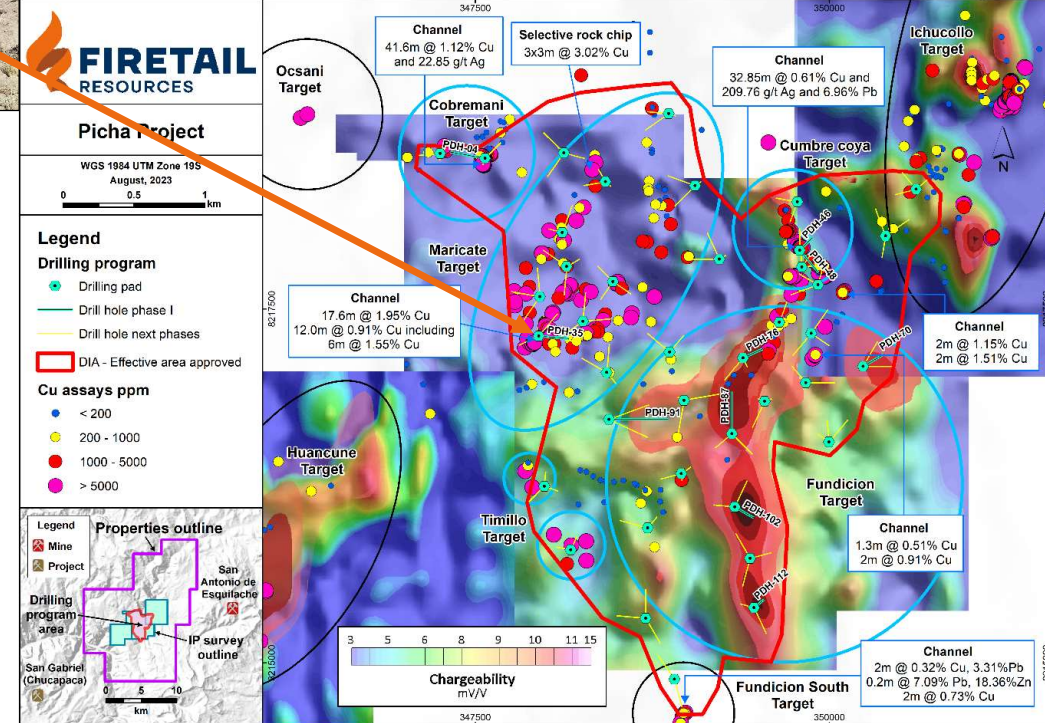
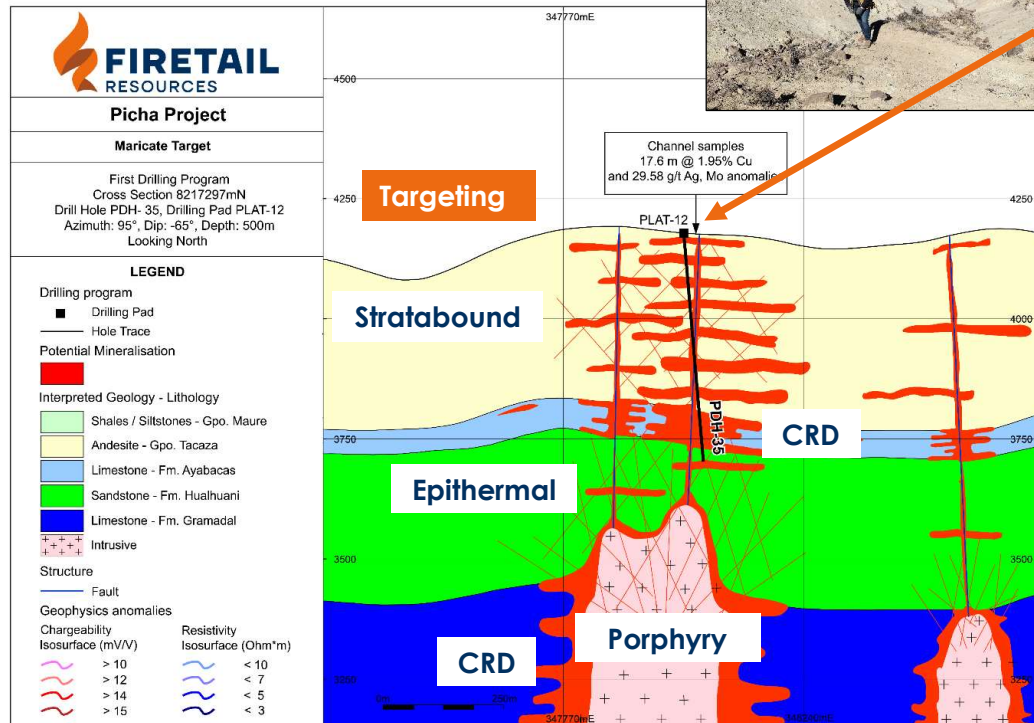


# Picha Project Exploration Program



## DRILLING PROGRAM PROPOSAL Maricate Target: Drill hole PDH-35

- Geochemical anomaly,  
Channel: 17.6m @ 1.95% Cu





# Picha Project Exploration Program

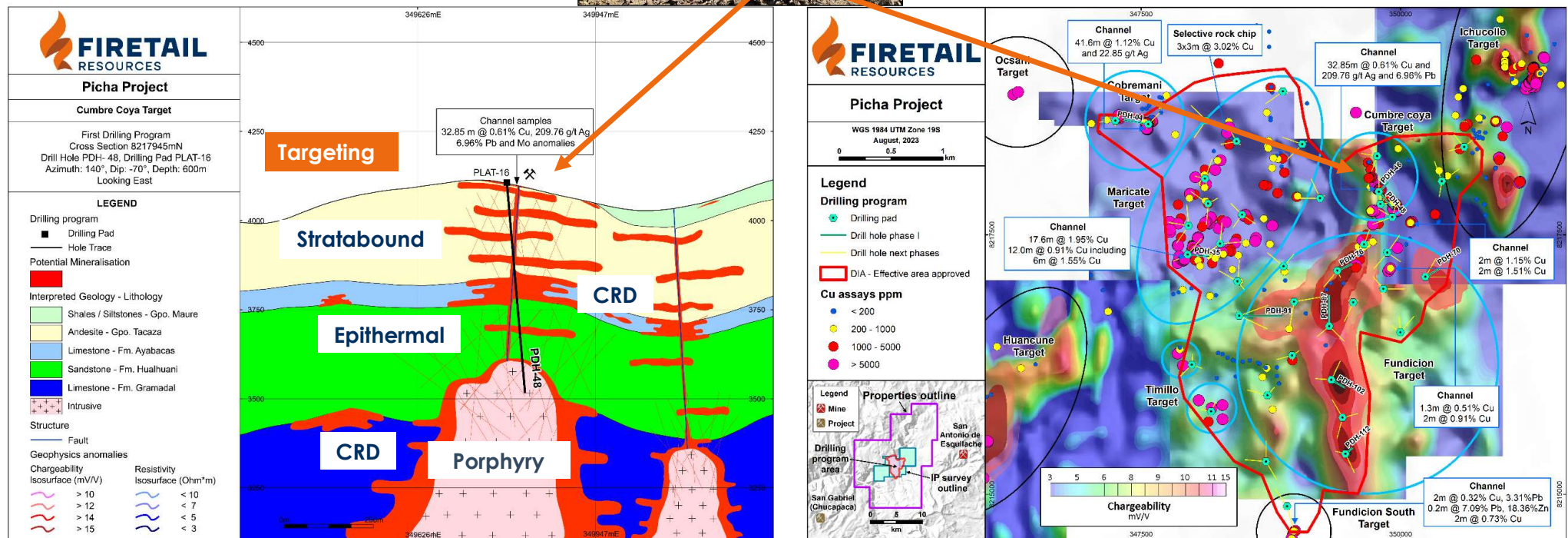


## DRILLING PROGRAM PROPOSAL

Cumbre coya Target:  
Drill hole PDH-48



- Geochemical anomaly, Channel: 32.85m @ 0.61% Cu and 209.76 g/t Ag and 6.96% Pb
- Geophysical anomaly: Chargeability



# Picha Project Exploration Program

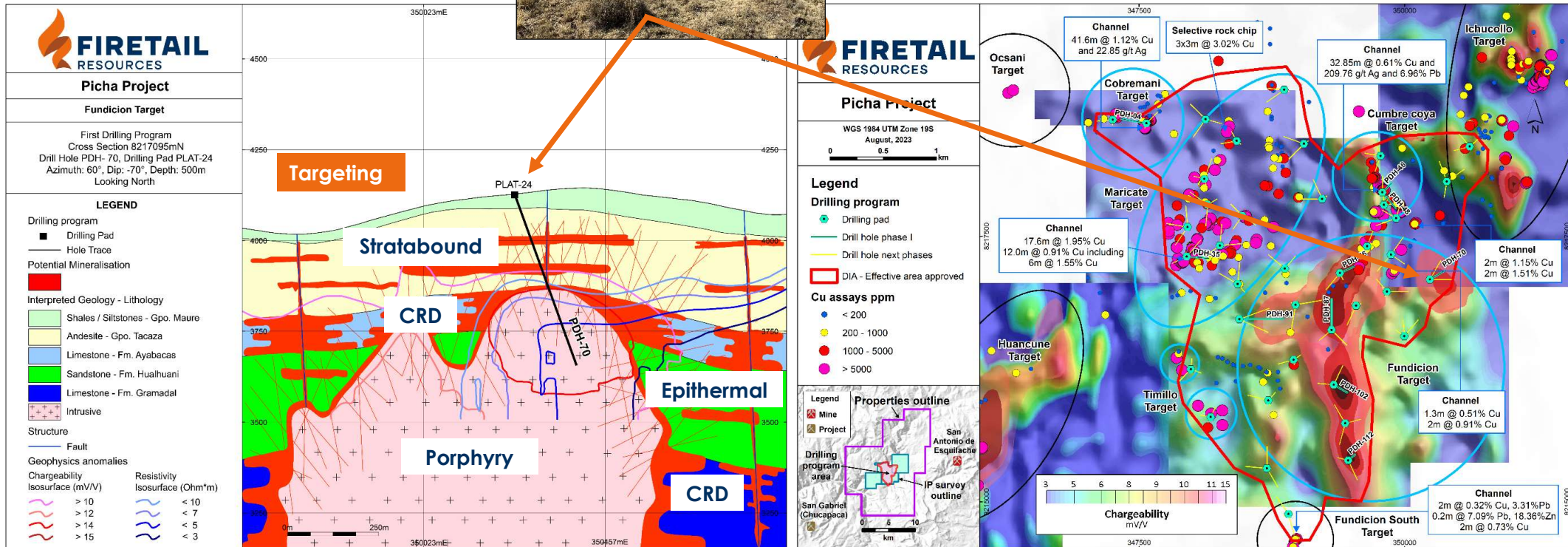


## DRILLING PROGRAM PROPOSAL

### Fundicion Target: Drill hole PDH-70



- Geophysical anomaly: Chargeability and low resistivity ~250m deep



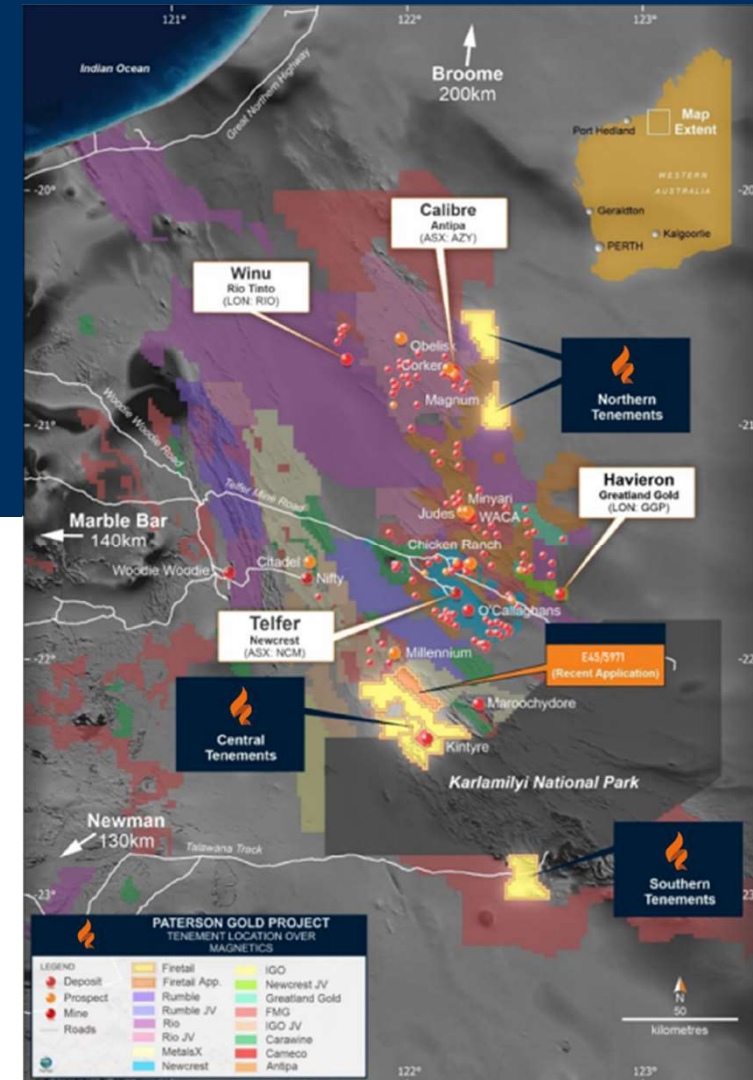
FTL ASX Announcement 29 August 2023 – Drill planning advances at Picha Project Peru



# Paterson Copper-Gold



- **6 granted tenements and one exploration application in the highly prospective Paterson Province** in northwest WA covering ~1,000km<sup>2</sup>
- Shallow high-grade copper-gold-molybdenum targets delineated by CRA exploring for uranium in the 1980s
- Project data compilation and desktop studies<sup>1</sup> have revealed **high priority areas prospective for Cu, Au, Mo, Pb, Zn and Li**
- Finalising site trip with TLO's for site investigation and confirmation of targets for the future drilling program
- **Historical drilling results<sup>2</sup> included:**
  - 87WDRC2 - **17m @ 1.6% Cu**, 317ppm Mo, including **9m @ 2.6% Cu**, 456ppm Mo from 84m,
  - 87WDRC6 - **9m @ 2.0% Cu**, 272ppm Mo, including **5m @ 3.1% Cu**, 430ppm Mo from 84m,
  - 87WDRC8 - **11m @ 1.5% Cu**, 181ppm Mo, including **7m @ 2.1% Cu**, 250ppm Mo from 83m, and
  - 87WDRC14 - **13m @ 1.1% Cu** including **6m @ 2.0% Cu** from 107m



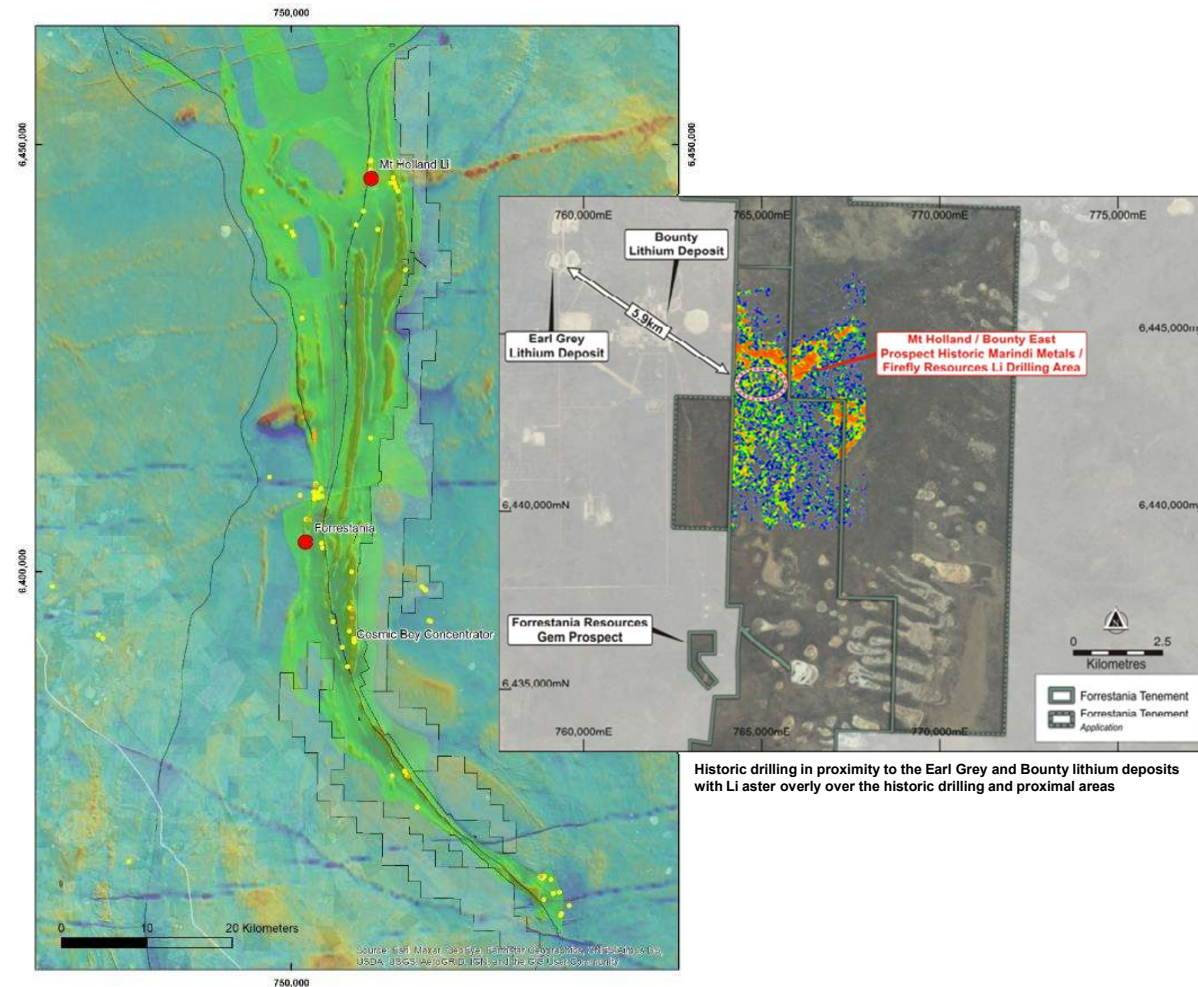
<sup>1</sup> ASX Announcement 24 May 2022 – Paterson Copper-Gold Project Update

<sup>2</sup> Refer to Firetail Prospectus 25 February 2022 for further details on Paterson historical Cu-Au drilling results

# Forrestania Resources Investment (ASX: FRS)



- Firetail holds 6.25M shares with a **current value ~\$312,500,000** (6 Sept 23 share price \$0.05c)
- 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**



Historic drilling in proximity to the Earl Grey and Bounty lithium deposits with Li aster overly over the historic drilling and proximal areas

Refer to Firetail Prospectus 25 February 2022 for further detail on the Forrestania Resources (ASX:FRS) equity holding





## Contact

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Executive Chairman

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