



Discover. Develop. Sustain.

Oct 2022

ASX:TEM

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Competent Persons Statement

The scientific and technical information contained within this Presentation is based on, and fairly represents information prepared by Mr Don Smith, a Competent Person who is a Member of the Australian Institute of Mining and Metallurgy (Ausimm), Australian Institute of Geoscience (AIG) and Geological Society of Australia (GSA). Mr Smith is the Managing Director of Tempest Minerals Ltd and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resource and Ore Reserves”. Mr Smith consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.



Our Company

Overview



Projects

Commodities

Copper
Gold
Lithium

Highlights

Proven potential
Exciting discoveries
Multiple drill campaigns
Project pipeline

- Experienced expert team
- Diversified commodity and jurisdiction exposure
- Innovative science and technology
- Modest capital structure and price point
- Invested management

Australia focus | International exposure



Company

ASX Code	Share Price
TEM	\$0.03
Shares on Issue	Market Cap
505m	\$15m
Cash @ June 30	Debt
\$7.8m*	\$0m

*Pre Lole Investment

Team



Directors and Management



BRIAN MOLLER

Non-executive Chairman

Brian has been a partner at the legal firm HopgoodGanim for 30 years and leads the Corporate Advisory and Governance practice. Brian is the chair or a non-executive director of several ASX listed companies; and was critical in the progression of LSE listed SolGold PLC to becoming one of the largest copper gold developments in the world.



DON SMITH

Managing Director

Don Smith is a Geologist and entrepreneur who holds a Bachelor of Science from Newcastle University and an MBA from The Australian Institute of Business. With over 20 years in the mining industry, he has held roles in junior through to multinational firms on projects spanning 6 continents and numerous commodities. Don is involved with a number of private and publicly listed resource companies.



ANDREW HAYTHORPE

Non-executive Director

Andrew Haythorpe has 30 years experience in geology, funds management and has been a Director and Chairman of a number of TSX and ASX listed companies including Crescent Gold. Andrew has been involved in over A\$300 million of mergers, acquisitions and capital raisings. Currently he is a Managing Director of Goldoz Ltd and Stunalara Metals Pty Ltd and chairman of Allup Silica Ltd.



OWEN BURCHELL

Non-executive Director

Owen Burchell is a Mining Engineer with 20 years of technical, operational and corporate experience including management positions at Rio Tinto, BHP and Barrick Gold through to numerous mining start-ups, closures and operational turnaround projects. Owen is Managing Director of imminent ASX IPO Abarta Resources Limited.

PAUL JURMAN

Company Secretary

Paul Jurman is involved with a diverse range of Australian public listed companies in company secretarial and financial roles. He is currently company secretary of Platina Resources Ltd, Carnavale Resources Ltd and Lord Resources Ltd.

TIMOTHY BEVIS

Senior Geologist

Timothy Bevis is an experienced Geologist having worked in mining and mineral exploration in all Australian states and territories and across a spread of commodities and mineralisation styles.

Sustainability



- ✓ Strong environmental focus with innovative low impact exploration techniques
- ✓ Working closely with local communities and stakeholders
- ✓ Experienced team ensures quality corporate governance

Innovation



- Strong innovation, technology and data focus
- Partnerships with multiple industry tech innovators
- Realtime field data acquisitions systems
- Pioneering user of Boxscan technology for multisensor data





Our Projects



Project Overview

 **Lithium**
USA



 **Lithium**
Africa



Gold
PNG 



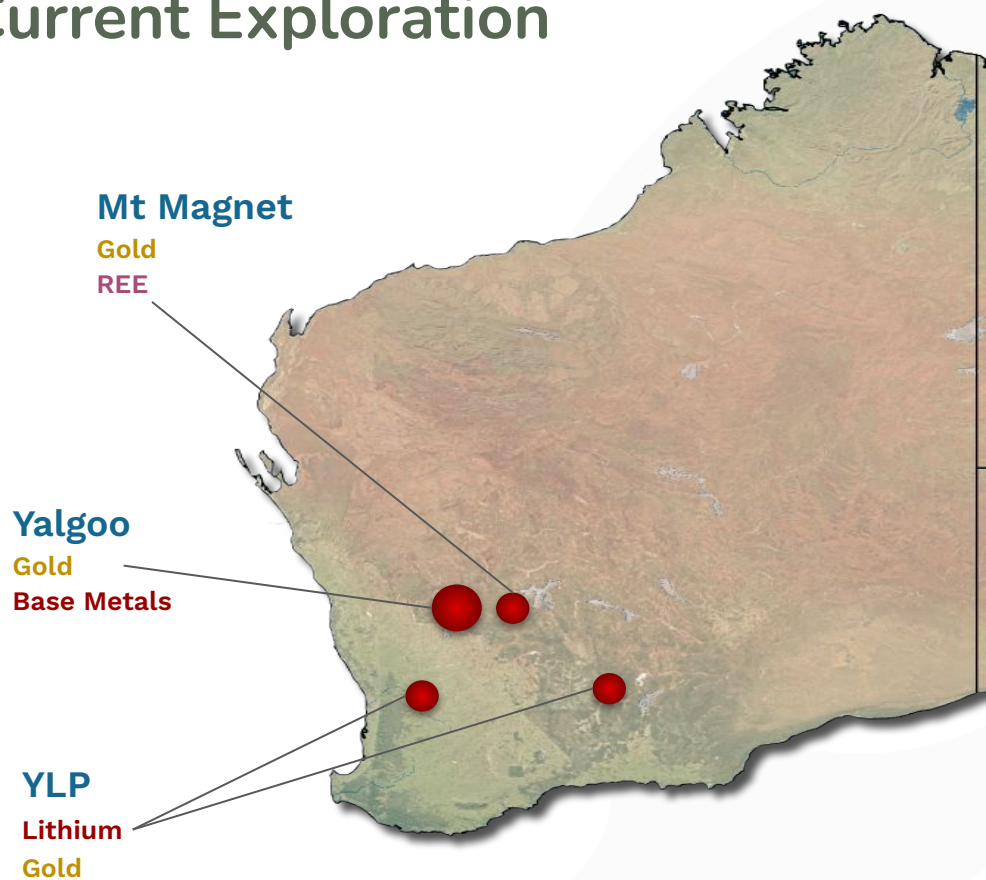
Copper
Gold
Lithium
Australia



-  - Exposure
-  - Exploration & Development Projects

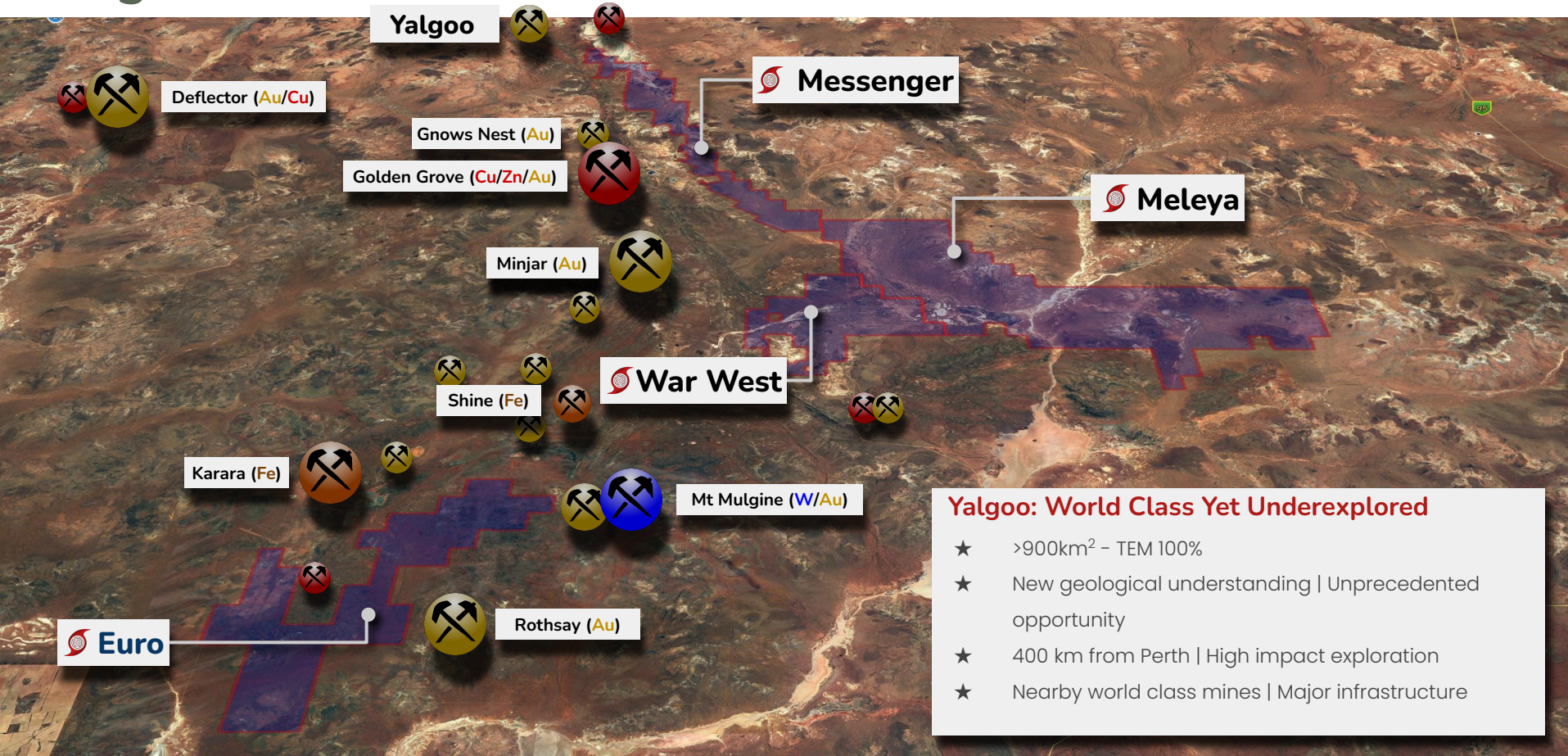


Current Exploration



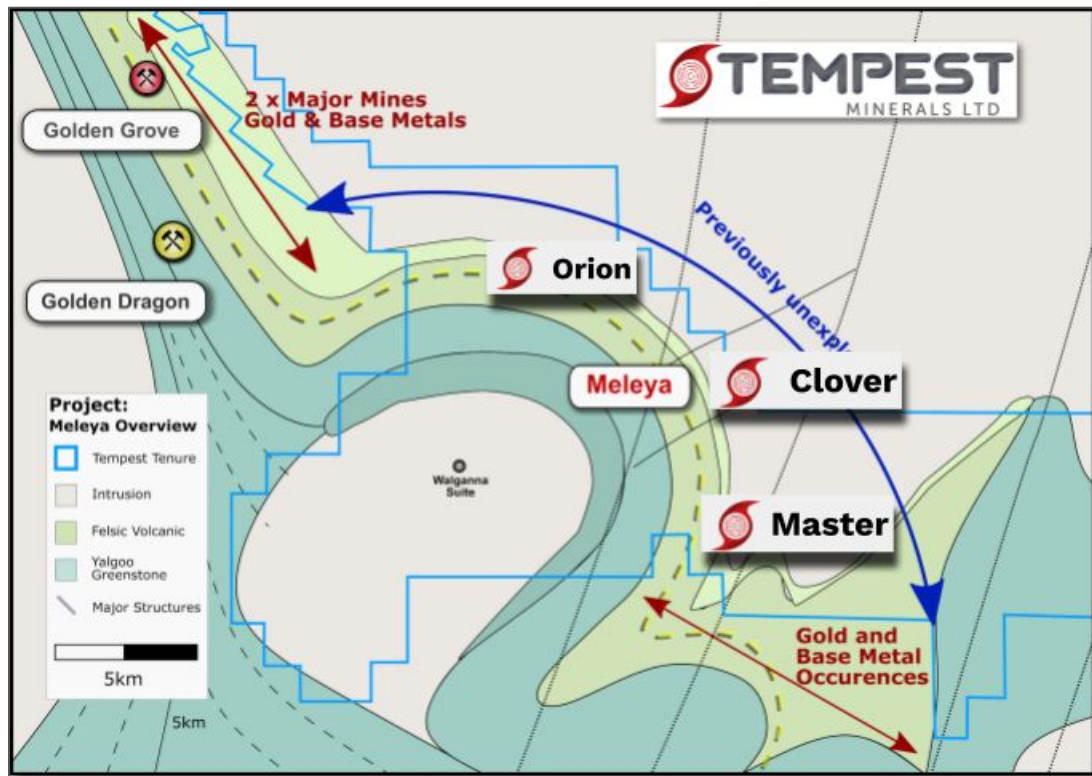
- ✓ Large exploration package (>1000km²)
- ✓ Recent Meleya mineralised belt discovery
- ✓ Currently drilling (+15,000m)
- ✓ 3 further drill programs by end of 2022
- ✓ Multi-commodity de-risked strategy

Yalgoo



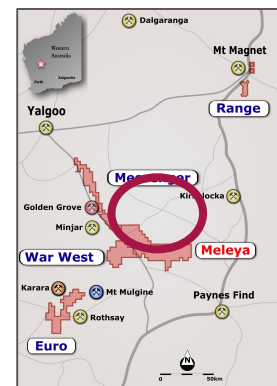


Meleya: A New Province



New Discovery

- 50+km of strike of previously unknown greenstone belt
- No previous leases and never explored
- Strong geophysical and geochemical signatures
- **First 3 holes ever - all mineralised**
- One of the most exciting exploration targets in Australia today



Meleya: Recent Work



Completed work

Orion:

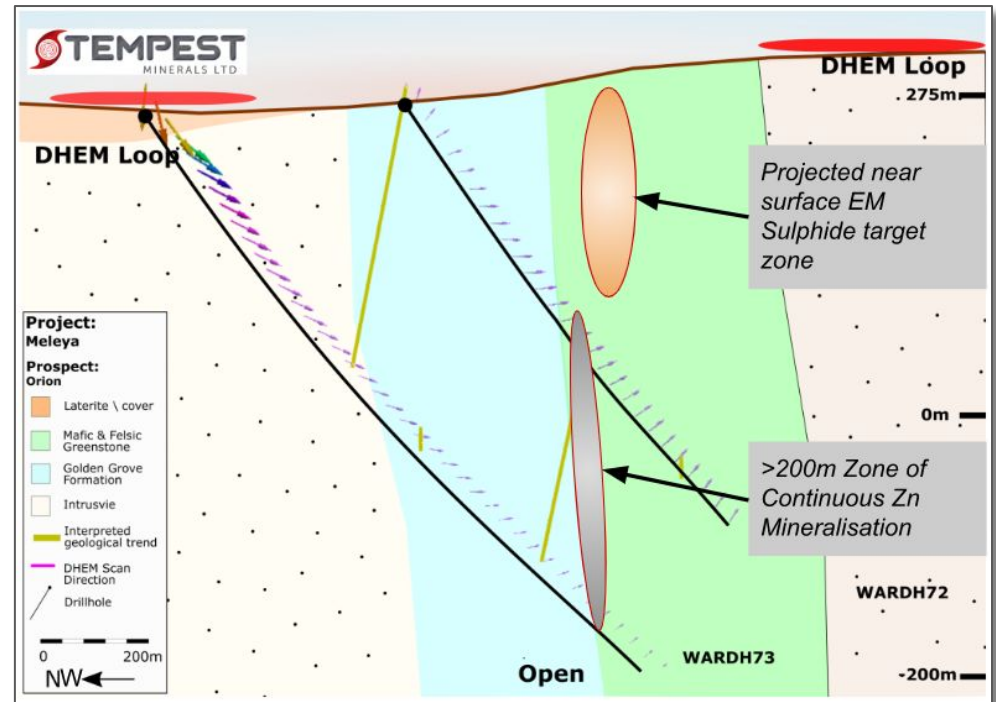
- ✓ 2 Diamond holes completed for 1800m
- ✓ Mineralisation discovery
- ✓ DHEM conducted on holes WARDH72 and WARDH73, identifying several key positions to follow up on with upcoming drill program

Master:

- ✓ Diamond hole completed for 450m early October
- ✓ Promising sulphide and silicified shear zone intersected

Geophysics

- ✓ Regional ElectroParaMagnetic (EPR) Survey recently completed identified over 250 signals to follow up





Meleya: Analysis Mode

Upcoming work

Drilling

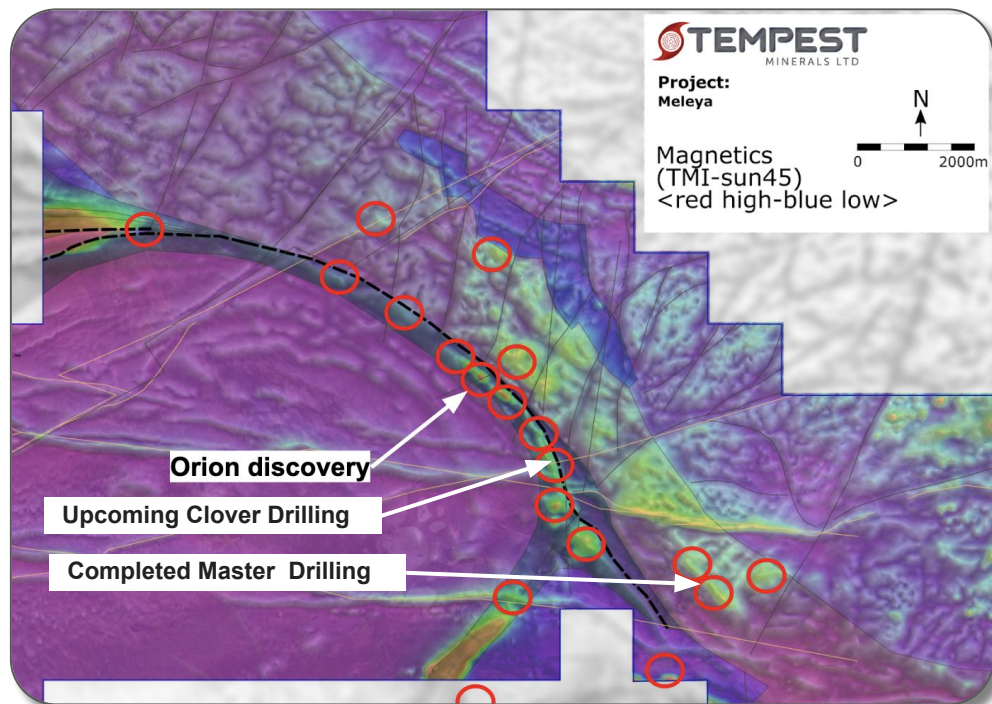
- Orion target discovery one of numerous similar magnetic anomalies along strike, Clover DD Program (~500m) to commence mid october.
- ~4000m RC Program to commence Mid October at Clover Target.
- Regional ~10000m AC Program commencing Early November targeting entire belt
- Follow up drilling planned to commence Q1 2023

Geophysics

- Multiple additional surveys being considered

Studies

- Current remodel of regional geology
- Assessment style and extent of mineralisation



Euro: Prime Real Estate

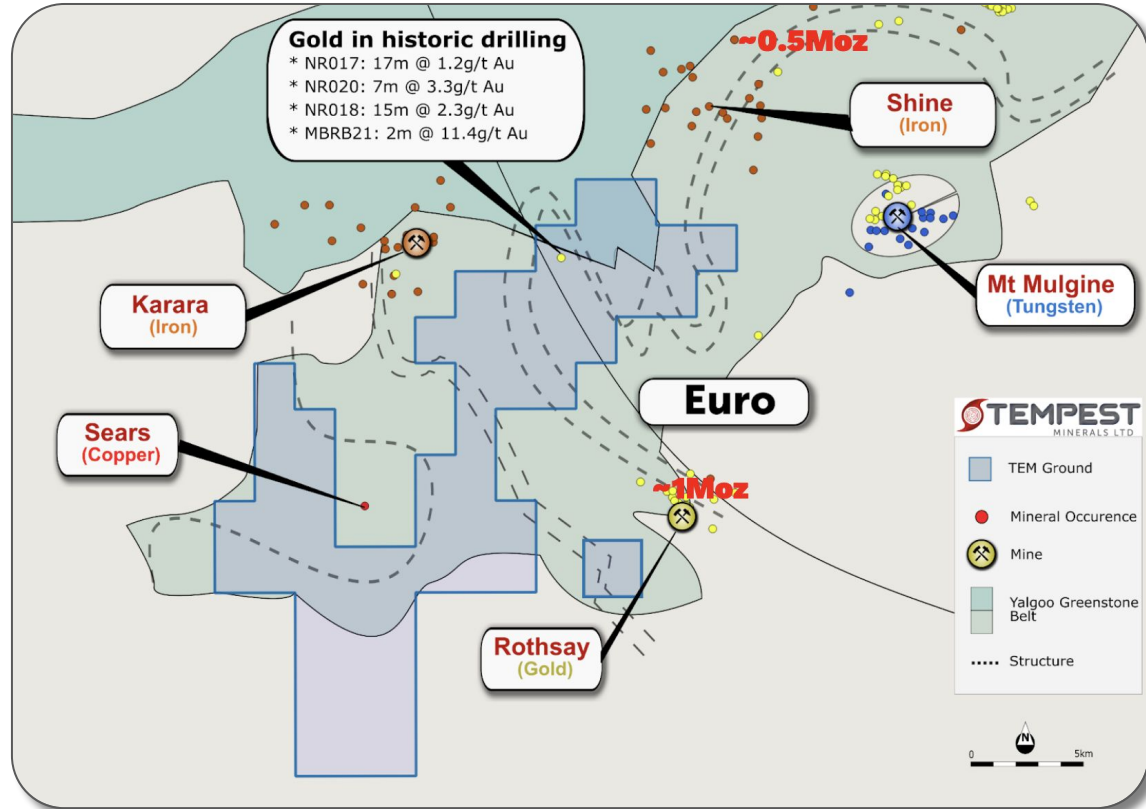
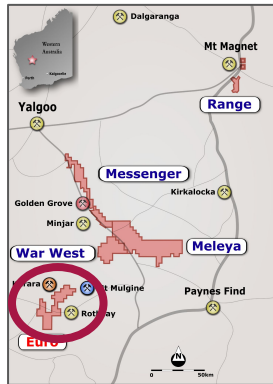


A Forgotten Gem

- High grade intercepts drilled in 1990's and 2000's never followed up
- New geological understanding
- Significant historic drilling

HOLE ID	DEPTH	INTERVAL
NR017	20m	17m @ 1.2g/t
NR020	20m	8m @ 0.9g/t (including 5m @ 1.3g/t)
NR018	15m	15m @ 2.3 g/t (including 7m @ 3.4g/t)
MBRB21	0	2m @ 11.4 g/t

- ★ Recent drilling intercepted thick polymetallic mineralisation
- ★ New geological understanding highlights exciting potential



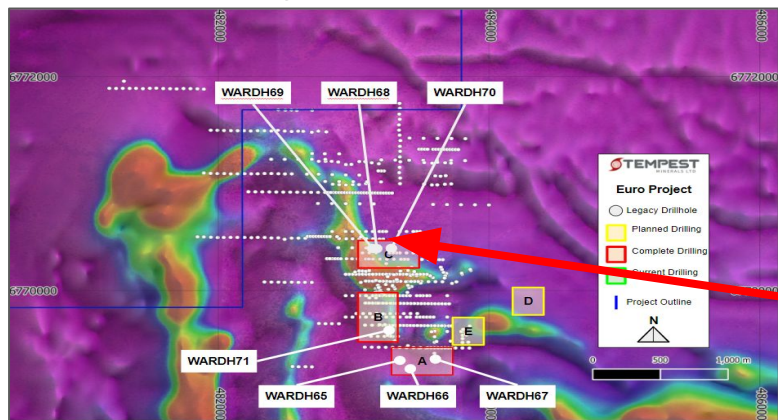
* DMIRS WAMEX reports A48951, a65803



Euro: Plenty Of Action

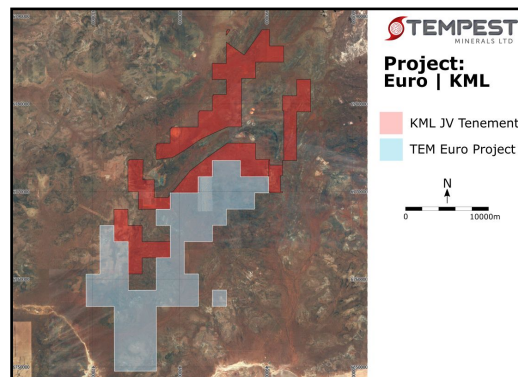
Polymetallic Recent Drilling

- Thick zones of sulphides with strong alteration intersected in all holes to date
- Results highlight project potential
- Polymetallic intercepts - what else is lurking?
 - 2.9m @ 4.1gpt gold from 130m;
 - Including 1.6m @ 6.9gpt gold from 131.3m
 - 0.9m @ 3.2gpt gold from 144m
 - 0.8m @ 1.7gpt gold from 9.2m
 - 2.5m @ 0.15% copper from 163m
 - 1.3m @ 0.20% zinc from 68.7m
 - 3.6m @ 0.16% arsenic from 12.4m
 - 4.0m @ 29.3% Iron from 4.9m



Karara MOU

- TEM have signed a non-binding MOU to progress a Joint Venture on the Karara Mining exploration leases adjacent Euro
- Deal is \$1.2M earn in for 70% of 138km² of highly prospective ground

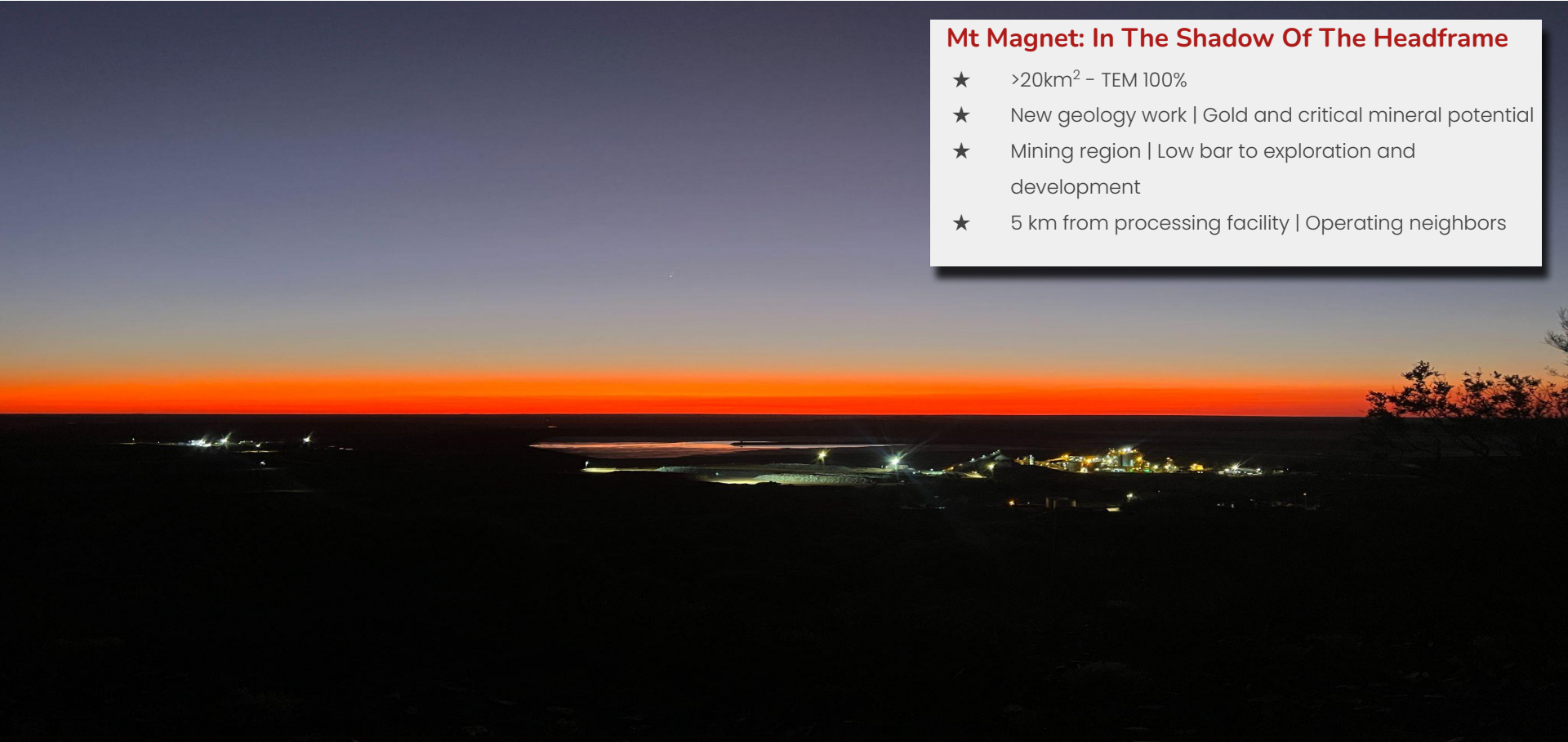


Pyrrhotite and chalcopyrite vein WARDH0068 (164.10m)



Mt Magnet: In The Shadow Of The Headframe

- ★ >20km² - TEM 100%
- ★ New geology work | Gold and critical mineral potential
- ★ Mining region | Low bar to exploration and development
- ★ 5 km from processing facility | Operating neighbors





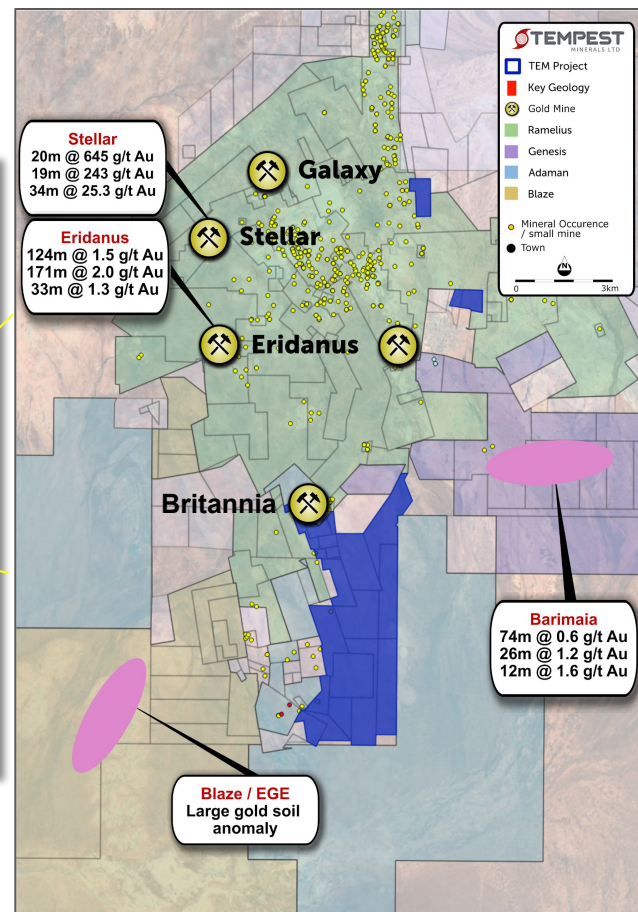
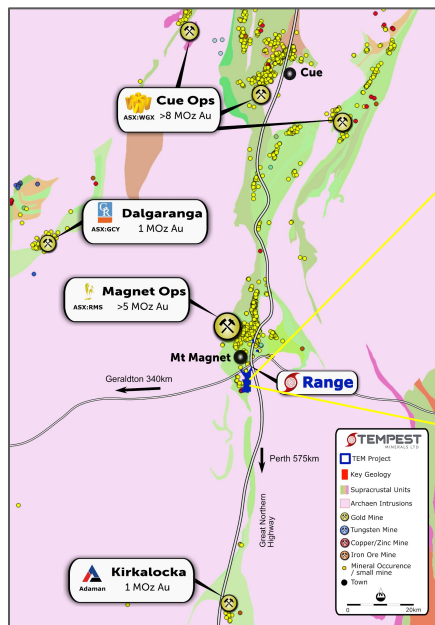
Range: A Piece Of The Puzzle

World Class Location

- Prolific gold region - >6Moz historical production in Mount Magnet alone
- Adjacent success stories include:
 - Ramelius ASX:RMS
 - Genesis ASX:GMD
 - Westgold ASX:WGX
- Tenements adjacent to Ramelius' Mt Magnet operations to the north and west and Genesis to East

Surrounded by Gold

- New geological models for the region include Intrusion Related Gold which further increases the prospectivity of the area.
- Undocumented historic workings along strike from Britannia open pit.
- Wide spread mineralized shears, intrusives and alteration confirmed in recent field work.
- Target generation in progress with drill testing in 2022



Papua New Guinea



PNG: Untapped Potential

- ★ Mining friendly jurisdiction
- ★ Supportive government and community
- ★ Experienced workforce
- ★ One of the most well endowed regions in the world
- ★ >180 million ounces of gold discovered to date



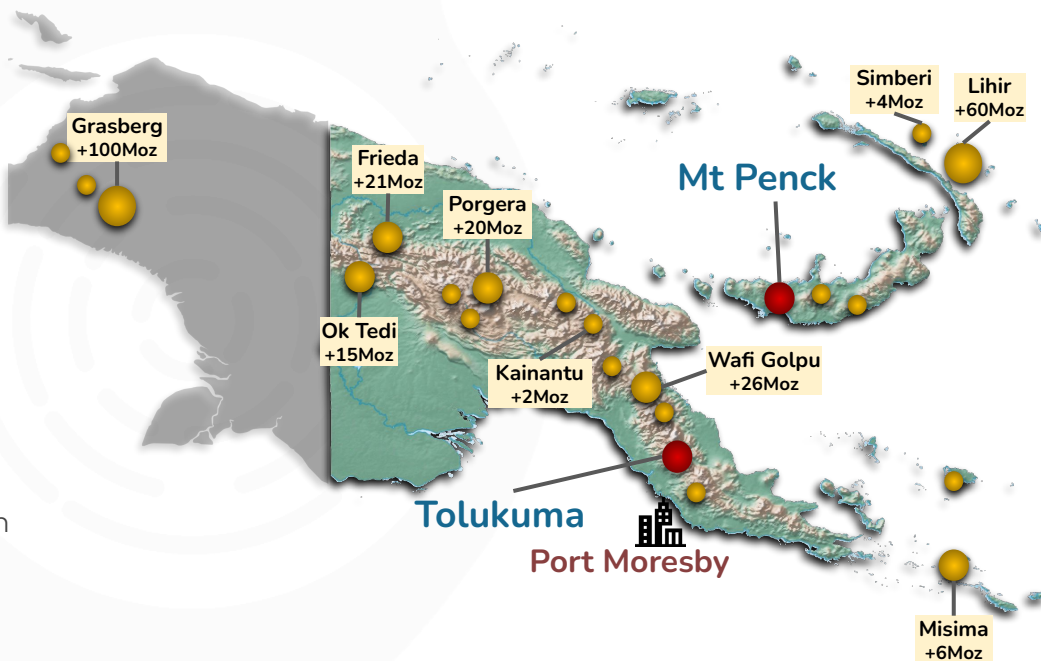
Lole Mining

Lole Mining

- Tolukuma Mine Development
 - Significant historic high grade production
 - JORC Resource assessment in progress
 - Mine planning and operational preparation in progress
- Mt Penck
 - High grade gold in historic exploration
 - Nearby deposits with similar geology

Tempest Investment

- TEM has invested \$1M in Lole Mining and retain various rights
- Funds to assist with the acquisition and development of the Tolukuma Mine
- Exposure to exciting high grade pre-production projects



Lithium



Lithium: Driving The Electric Future

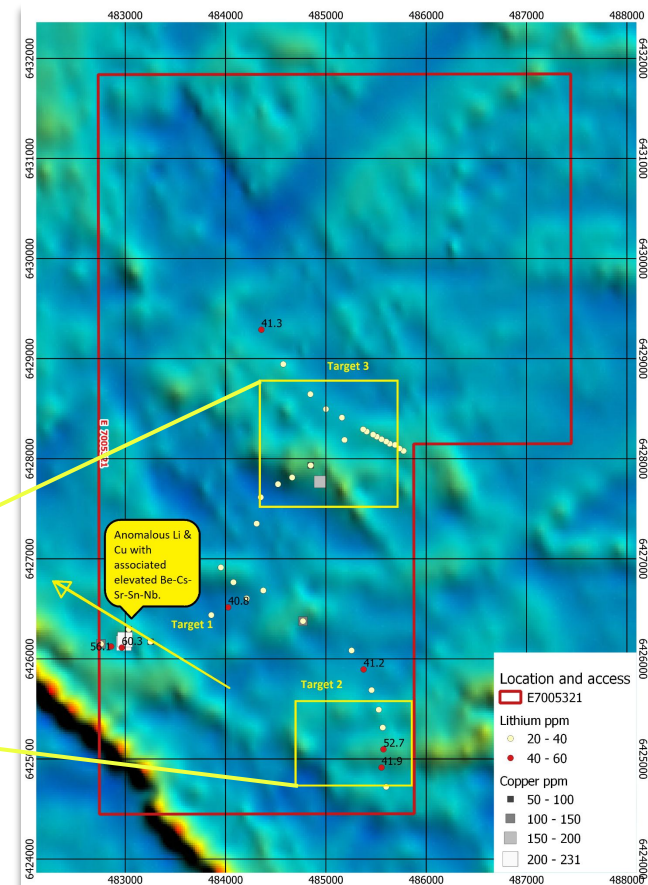
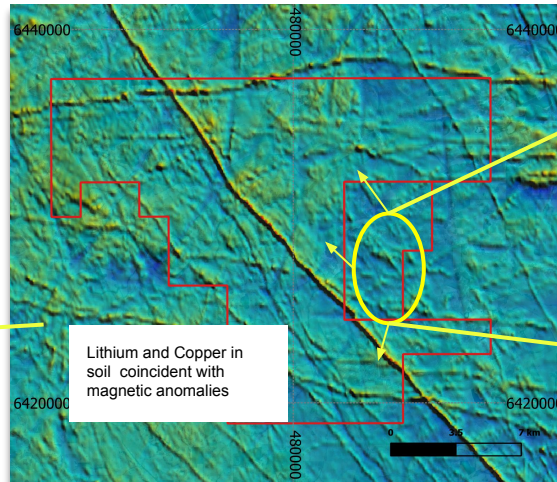
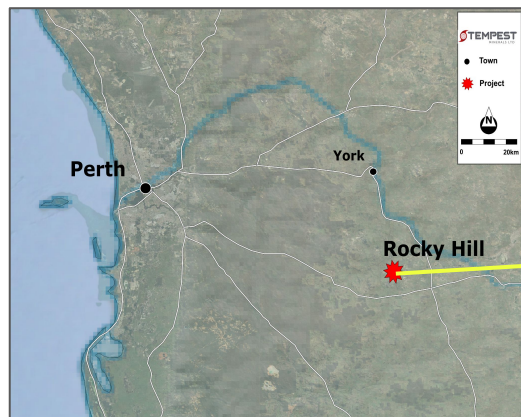
- ★ Multiple exploration projects in Australia
- ★ African hardrock lithium exposure
- ★ North American brine lithium exposure



Rocky Hill: New Lithium Exploration

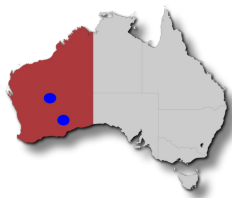
Recent Fieldwork and Project Extension

- Exciting recent soil results confirm potential:
 - Lithium (60ppm)
 - Copper (231ppm)
 - Strong LCT indicator elements signature
- Coincident geochemical and geophysical anomalies
- Neighbours include major companies
- Project extended with an additional 260km² (application)





Lithium Exposure



- YLP Australian lithium exploration project pipeline - 2 pending tenements (65 km²) in the Yilgarn craton of Western Australia.
- Tempest analysis has confirmed the Company view that these are highly prospective for Lithium and other commodities.



- ASX listed Argosy Minerals Ltd (ASX:AGY) is the operator of the Tonopah Lithium Project in Nevada, USA. Tempest has an agreed milestone payment upon Argosy announcing a JORC compliant reserve or the commencement of commercial production of lithium product.

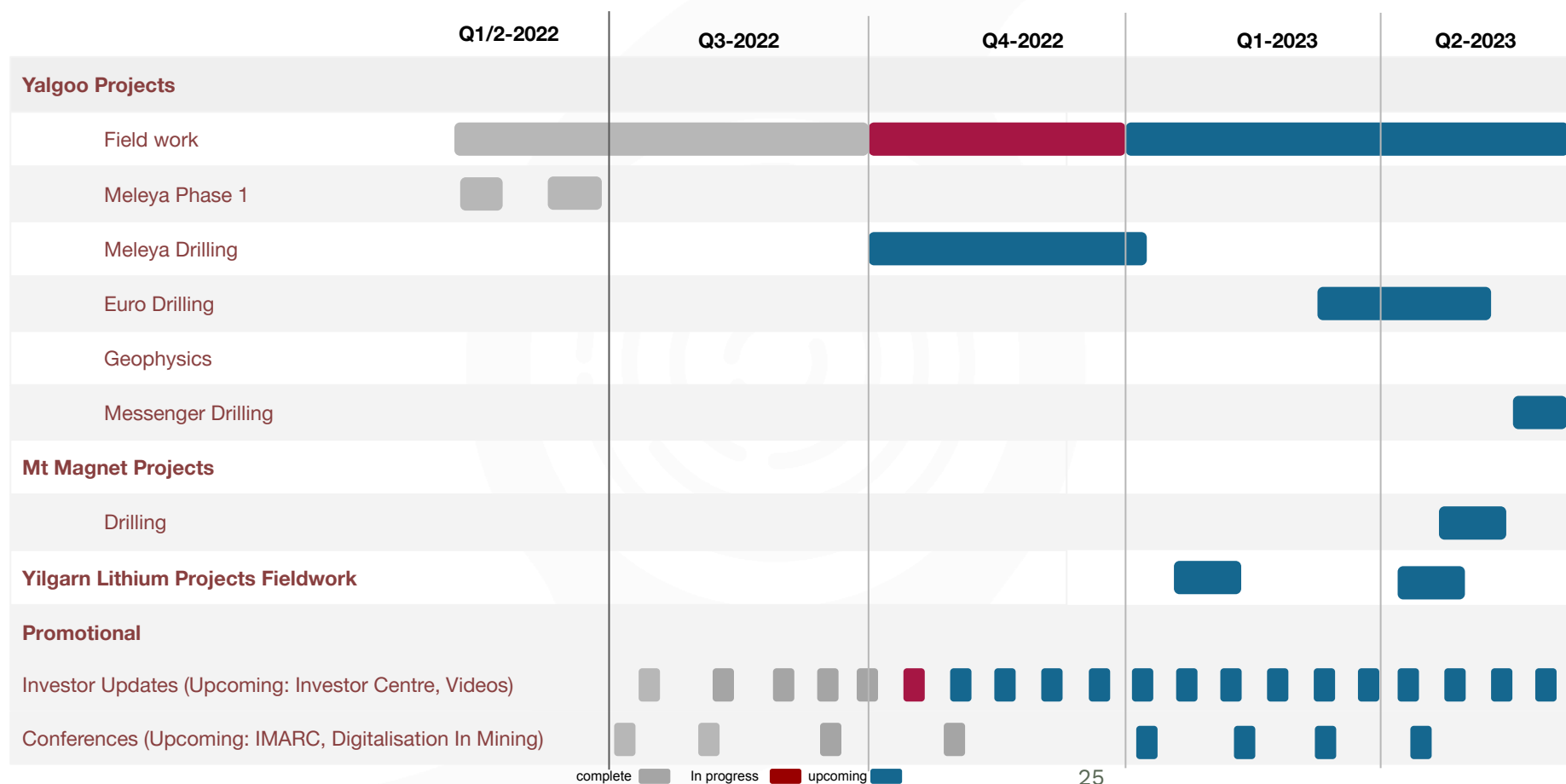


- Tempest retains exposure to lithium and other commodities through its current equity holding of 65 million shares in high profile Premier African Minerals.



What's next?

FY2022-23 Schedule



complete In progress upcoming



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