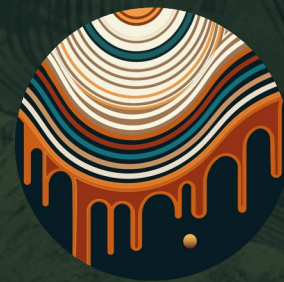


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# INVESTOR PRESENTATION Fiery Creek Georgetown

PRECIOUS AND BASE METALS EXPLORER

# Forward Looking Statements



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# Competent Person's Report



## Competent Person Disclosure

The information in this disclosure relates to the exploration activities undertaken by EMU NL conducted over its exploration tenements in Australia. All information in this presentation has previously been recorded in the public domain.

EMU NL is not aware of any new information or data that materially affects the information included in the original market announcements.

The information in this presentation is based on, and fairly represents information and supporting documentation compiled by Mr Nigel Maund, a Competent Person who is consulting economic geologist to EMU NL. Mr Maund is a Fellow of the Australian Institute of Geoscientists, a Fellow of the Australian Institute of Mining and Metallurgy and has sufficient experience in the activities in which he undertakes 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 Maund consents to the inclusion herein of the matters based upon his information in the form and context in which it appears, and the Company confirms the form and context in which the Competent Persons findings are presented, have not been materially modified from the relevant original market announcements.

## Authorisation

This presentation has been authorized for release by Chief Executive Officer



# Georgetown Project



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## FIERY CREEK COPPER PROSPECT

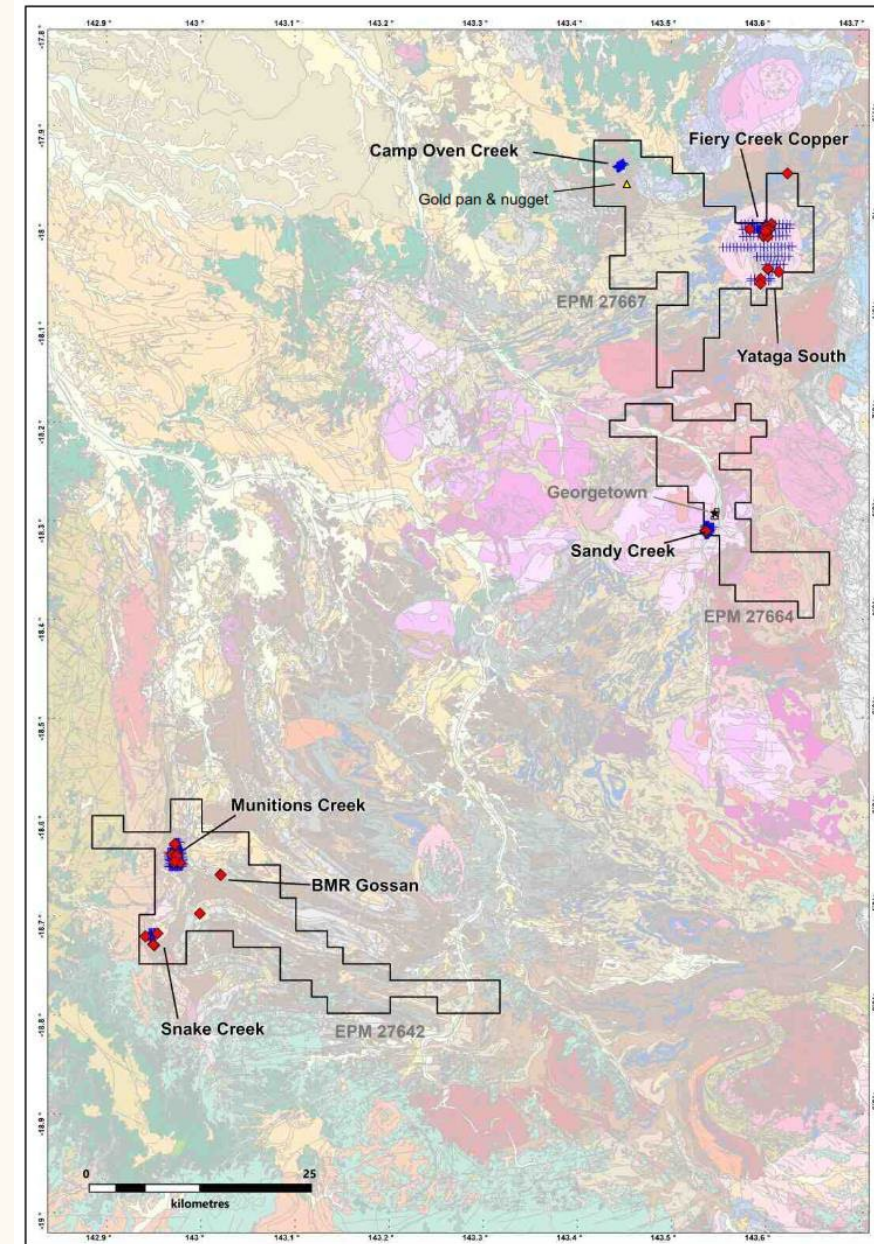
- Georgetown Project Queensland
- Fiery Creek Copper Prospect
- 29 square kilometre Yataga Granitoid Intrusive Complex
- Identified as potential massive scale constrained copper porphyry system
- Targeting millions of tonnes of contained copper in “pencil porphyry style” Cadia type system



# Georgetown Project

## SUBSTANTIAL SCALE MINERAL ENDOWMENT

- 1,000 mines, prospects, mineral occurrences in Georgetown District
- 3 exploration permits covering 850km<sup>2</sup>
- Significant historical gold production, very little systematic modern exploration
- Gold, lithium, silver, lead, zinc, copper, tin, tantalum, niobium, uranium, fluorine and molybdenite
- 8 potential scale prospects gold, copper, silver lead identified to date

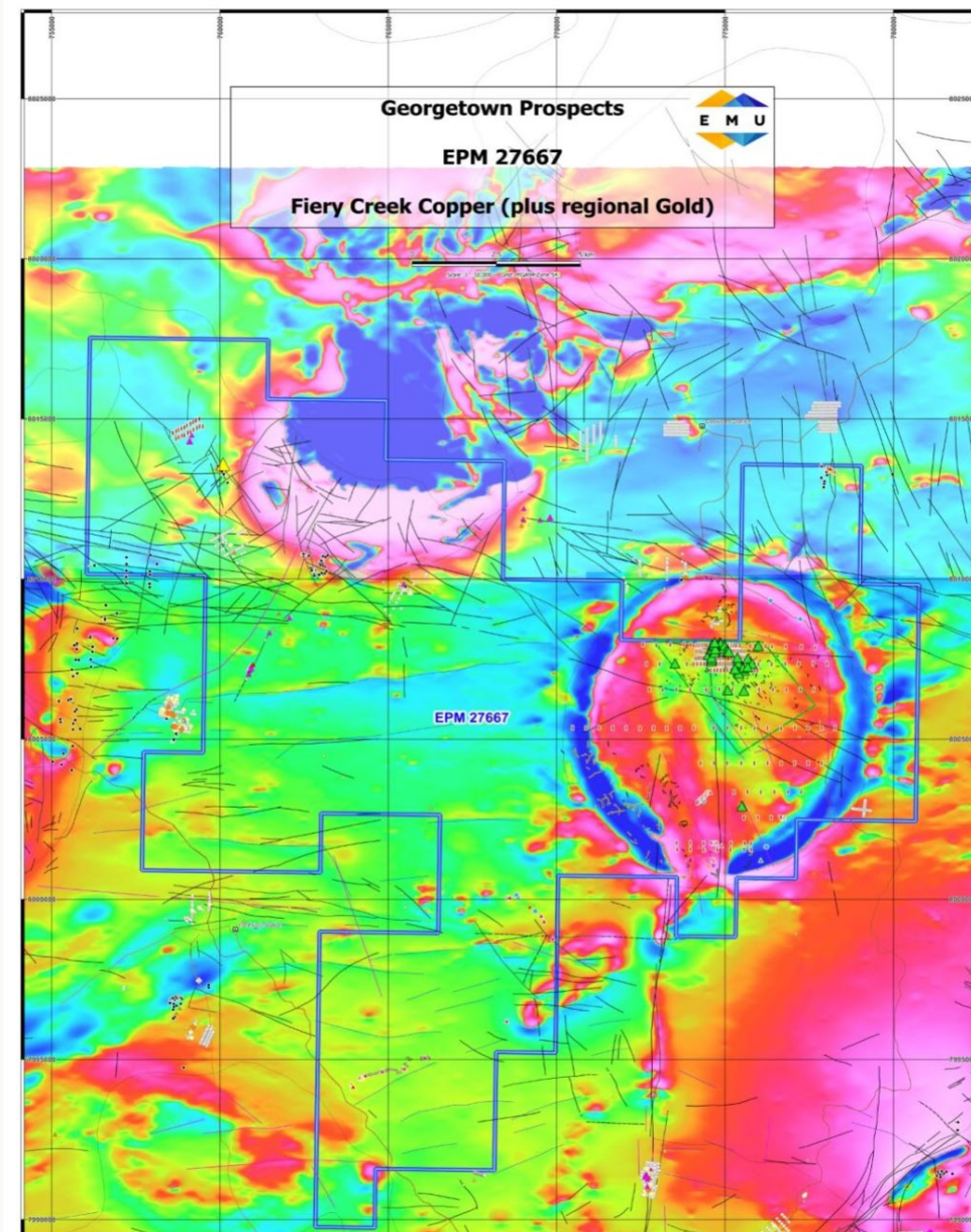




# Georgetown Project

## FIERY CREEK COPPER PROSPECT

- 23% copper, 14 ounces silver (460 g/t)\* from rock samples in quartz breccia hosted veins at Fiery Creek
- Hosted within the massive Yataga Granitoid Complex
- 1600m x 750m outcropping copper veining up to 2m wide
- Interpreted shallow constrained, scale porphyry copper system
- Veining has extensive secondary copper mineralisation at surface
- Multi element assays point to possibility of a significant copper polymetallic system
- Pathfinder element anomalism widespread
- 2 geochemistry surveys completed by EMU

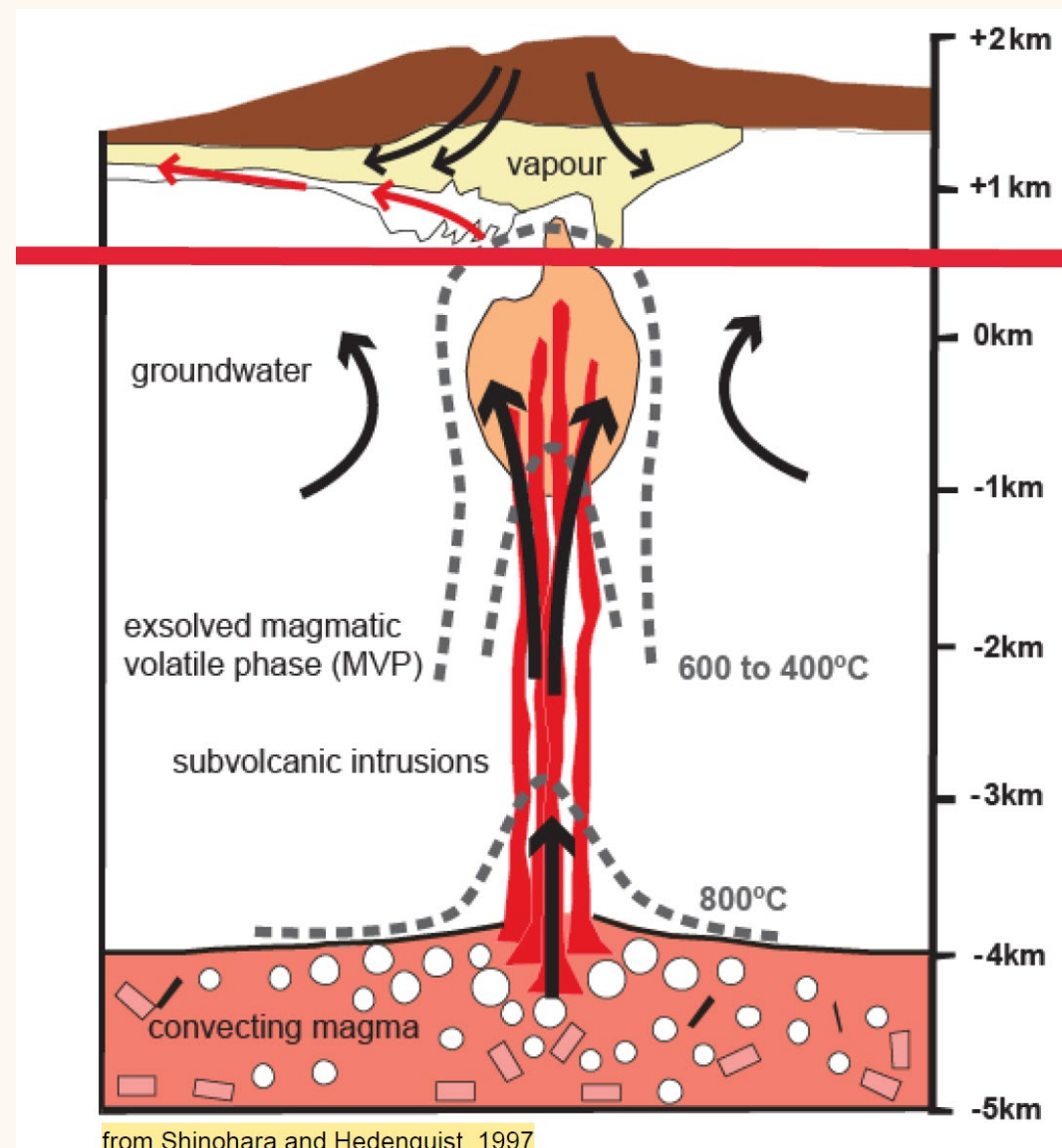


# Georgetown Project



## FIERY CREEK COPPER PROSPECT

- Granodiorite, a massive, brittle and largely unreactive host
- Constrained system - unvented
- System potentially comprises a high-grade copper porphyry system
- High grade, polymetallic, copper dominated quartz veins have infilled late brittle fractures
- Hydrothermal “leakage structures” developed with the roof of the potential subjacent porphyry copper system
- The geometry is suggested to be “dyke like pencil, porphyry systems”, similar to those of the Lachlan Fold Belt of NSW.
- Vein system is likely to be within the deep phyllic alteration zone developed 200 m ± above the porphyry copper – potassic main ore system



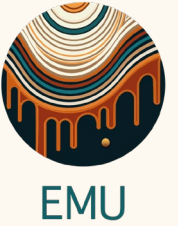
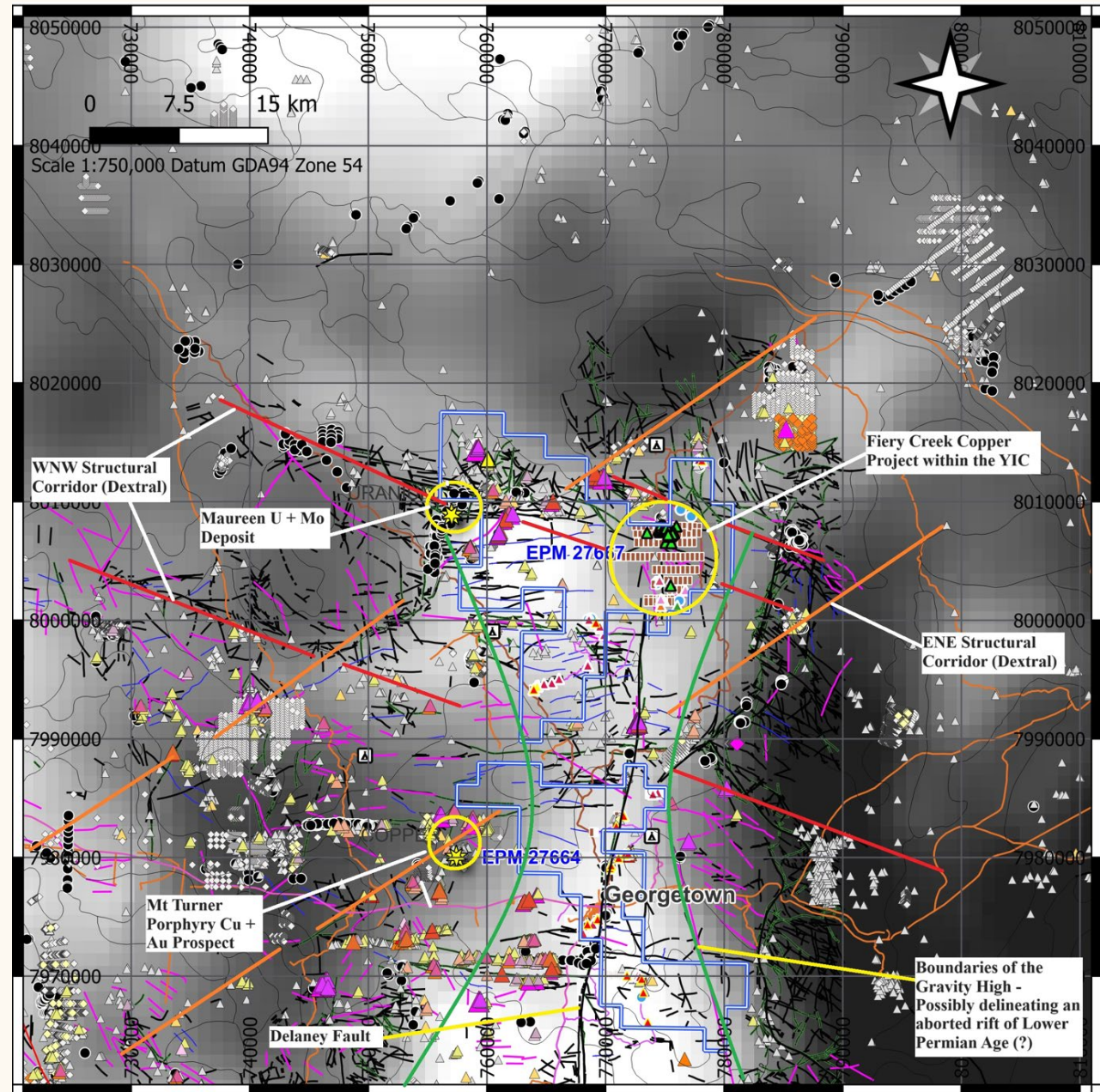
from Shinohara and Hedenquist, 1997



# Georgetown Project

## FIERY CREEK COPPER PROSPECT

- Structural setting
- Mineralised corridors
- Gravity anomalism
- Delaney Fault dominant gold structural feature
- Possible aborted arc rift setting

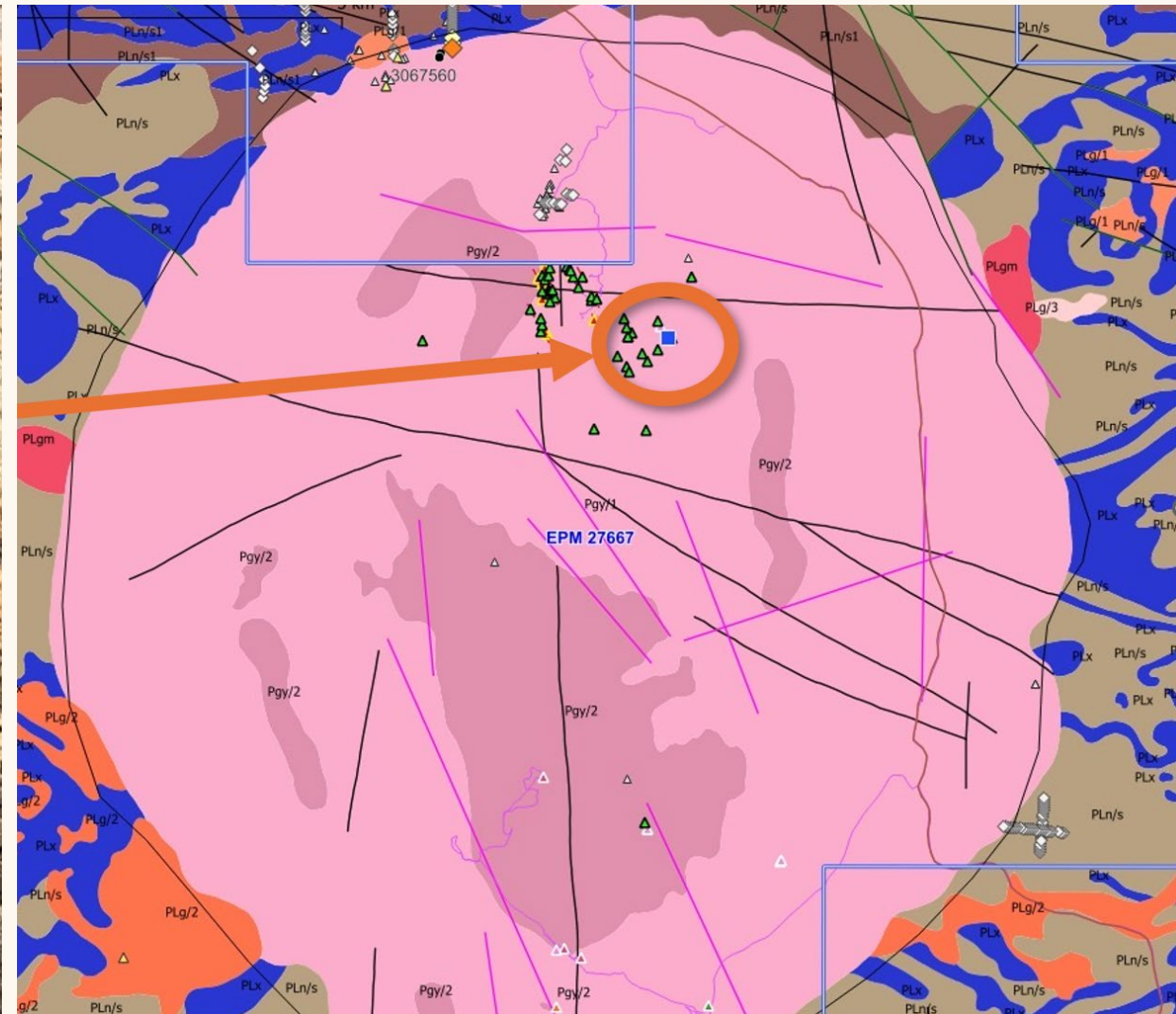




# Fiery Creek Argillic Alteration



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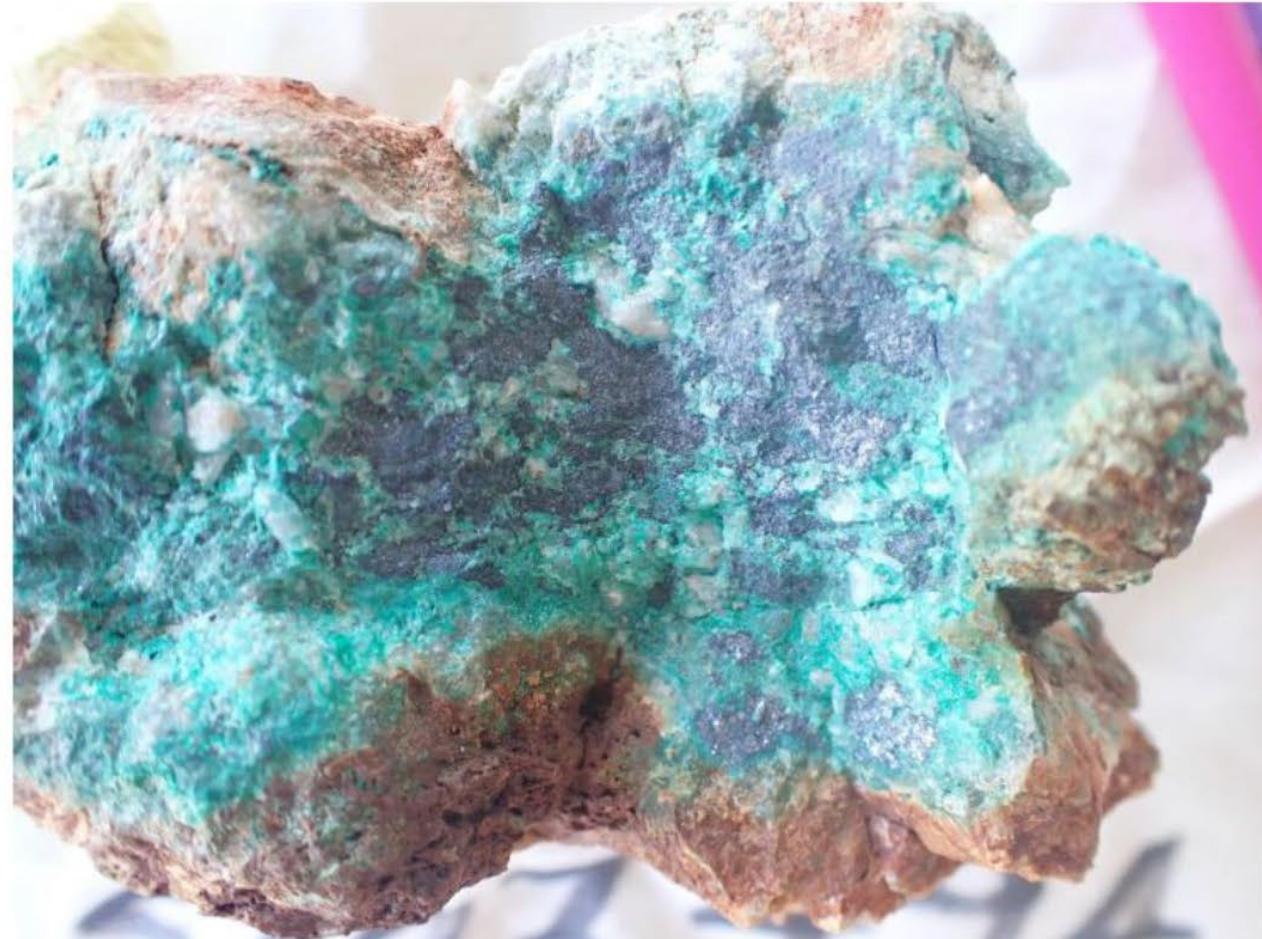




# Fiery Creek Vein Samples



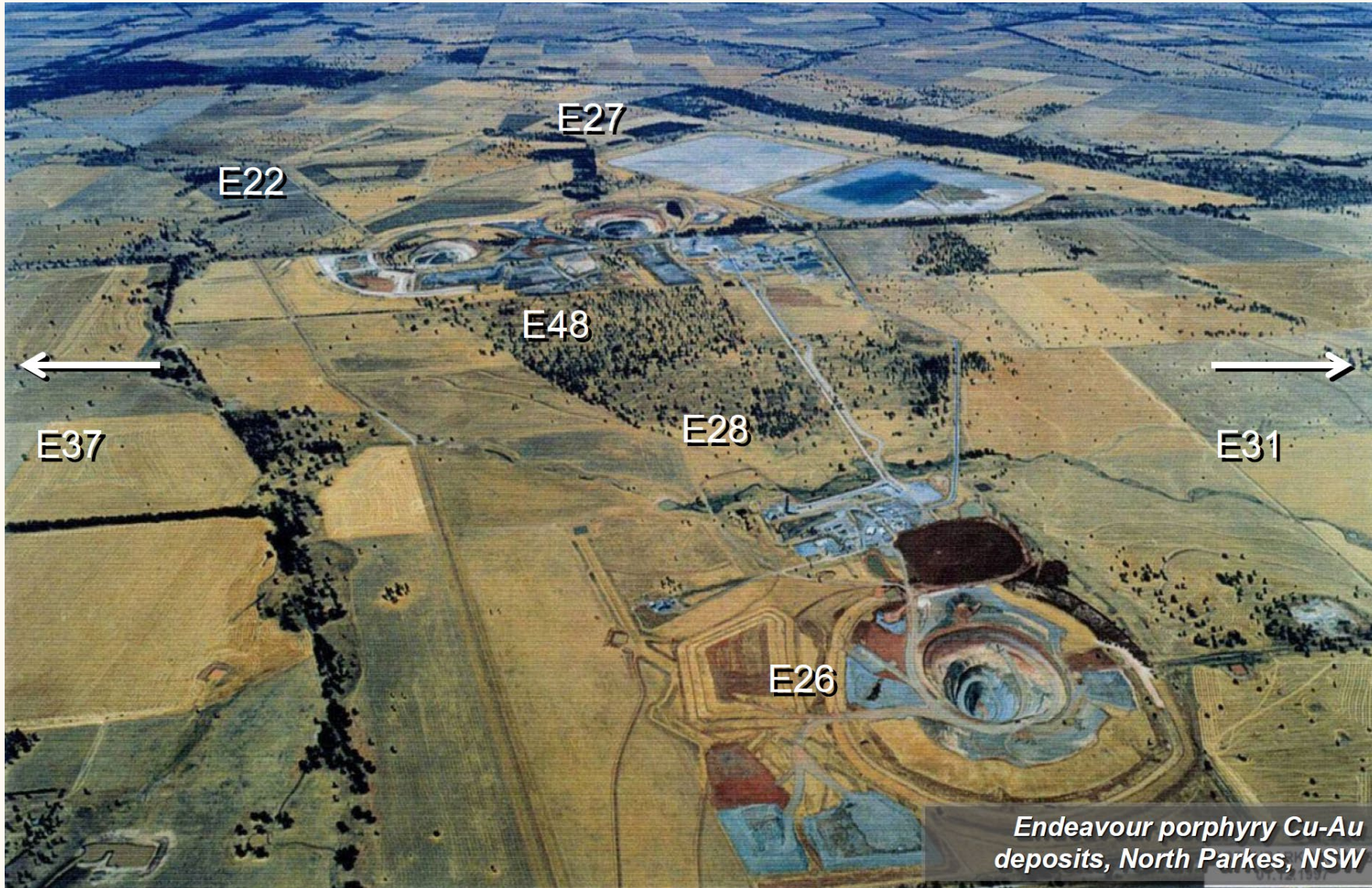
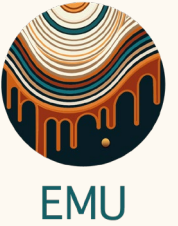
Sample ESS02045 - A white, frosty to glassy quartz vein hosting abundant drusy cavities lined with euhedral prismatic quartz crystals encrusted with supergene malachite and chrysocolla developed over sooty tenorite (Coordinates Location 774873E 8007987N)



Sample ESS02494 – (460ppm Ag, 1.25% Ba, 23.51% Cu, 14ppm In). White frosty quartz vein invaded by a later massive sulphide event as a mix of black tenorite (CuO) and sooty to dark grey chalcocite ( $\text{Cu}_2\text{S}$ ) replaced at its margins by crystalline fibrous malachite and minor chrysocolla (Coordinates Location 773511E 8007365N).



# Georgetown Project



*Endeavour porphyry Cu-Au  
deposits, North Parkes, NSW*



# Georgetown Project



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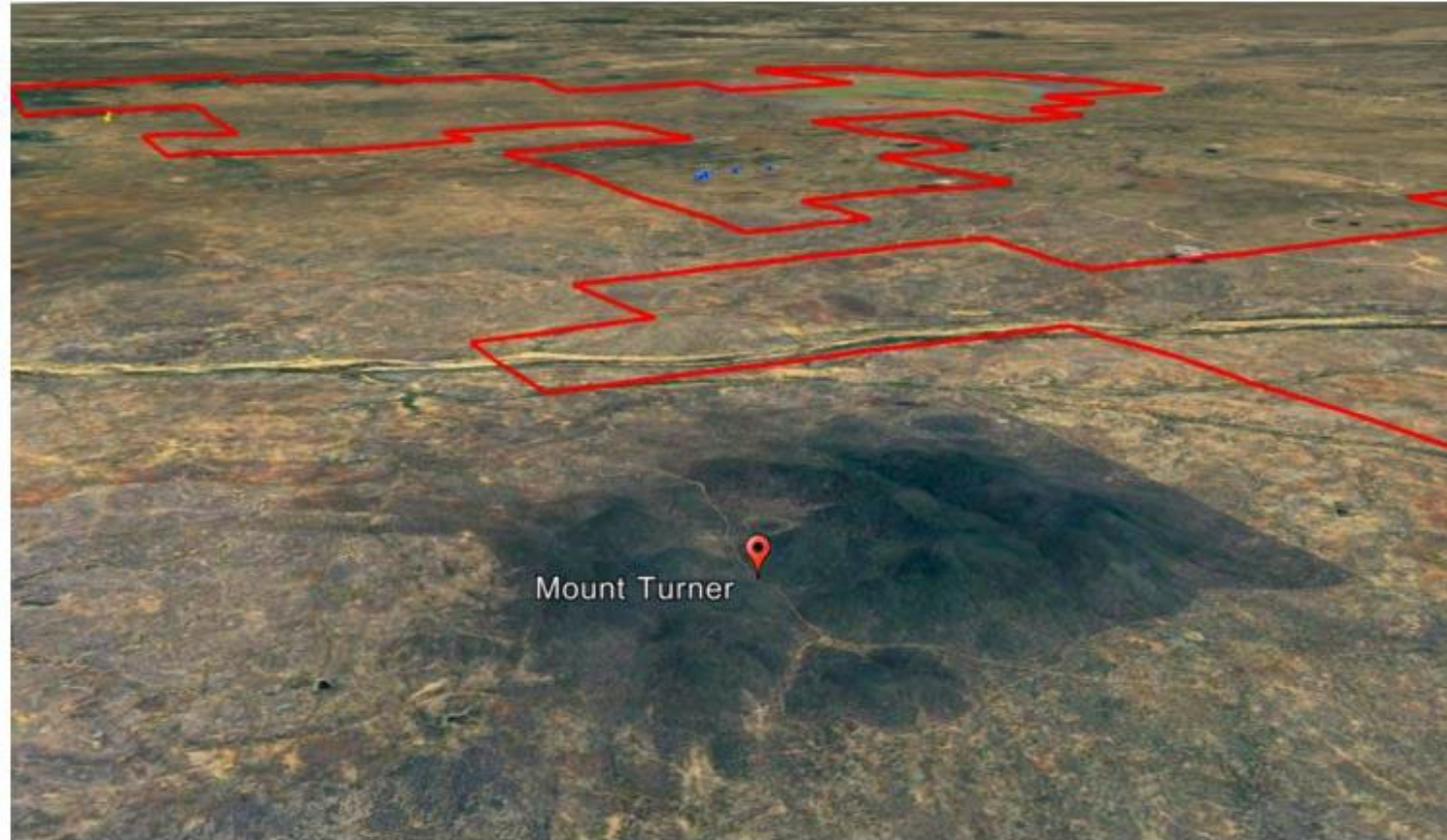


# Georgetown Project

## MT TURNER



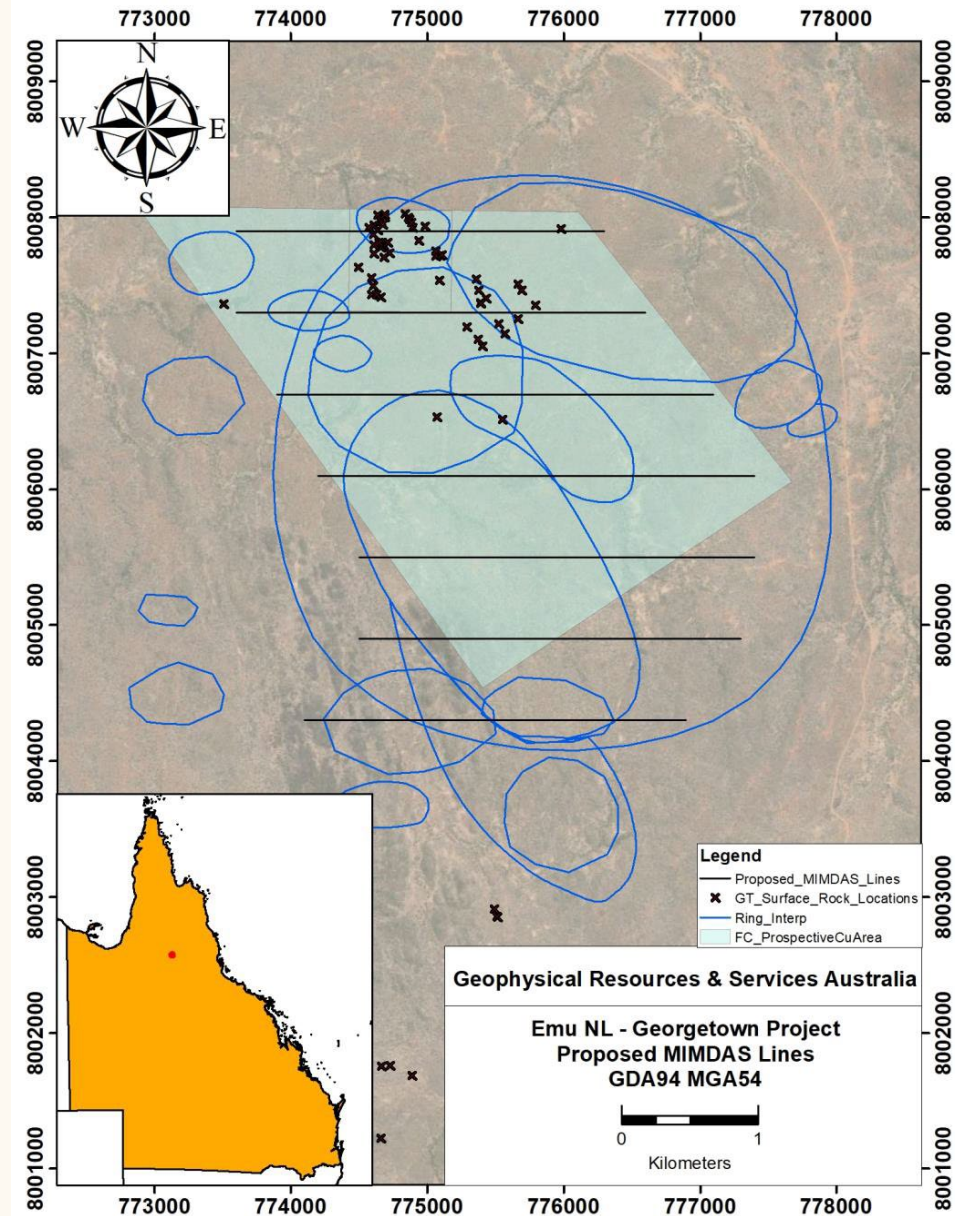
- Identified Cu Mo porphyry 15km from Fiery Creek
- Last explored in the 1970's
- 6km diameter mineralised system
- Multiple phases of dykes, stocks, and breccia
- Unconstrained system - core hosts a hydrothermal and collapsed breccia intruded by dykes.
- Volcanics suggest depth of erosion being considerably less than Fiery Creek
- Potentially untested porphyry potential at depth



# Georgetown Project

## 2024 FIELD PROGRAMME

- Geochemistry programmes Fiery Creek, Camp Oven Creek, Dagworth, Georgetown, Ancient Britton, Mistletoe, Munitions, Snake Creek
- 2 geological teams currently in field
- Collecting 2,000 – 2,500 samples for full 61 suite multielement testing
- 20.6km line of pole dipole IP, resistivity, MT Geophysics
- Comprehensive mapping survey of Fiery Creek Copper
- XRF sampling to generate heatmaps over Fiery Creek
- Prepare drill programme for execution early 2025





# Georgetown Project

## SIGNIFICANT HISTORIC GOLD PROSPECTIVITY

- Camp Oven Creek rock assay results ranging from 12.9 up to 224 g/t gold and 24 to 135 g/t silver
- 15.4 g/t gold assay rock samples at Dagworth prospect
- 15 rock samples assays greater than 31.1 g/t gold (> 1 Ounce) Camp Oven Creek prospect area
- 3 rock samples in the Quartz 130 prospect with values ranging from 51 g/t gold to 73 g/t gold.
- Drill intersects at Turtle Arm returned assays of 2m at 15.8g/t Au and 3m at 2.8g/t Au.
- 86 historic rock samples greater than 1 g/t gold with a weighted average of 17.3 g/t within Georgetown - Camp Oven Creek prospect area
- Rock samples from EMU field work returned 36.1 g/t gold and 25.6 g/t gold from Sandy Creek prospect just south of Georgetown
- Historic drilling at Munitions Creek returned assays 4m at 2.73/t Au and 1m at 10.85g/t Au.

\* ASX Release "EMU Records Gold Assays to 36.1 g/t at Georgetown QLD" 7 December 2023





# Why Georgetown?

- Fiery Creek Copper system potentially emerging as a significant Australian porphyry discovery
- Substantial gold mineralisation at multiple locations throughout Georgetown Project with strong newsflow expected from field work which commenced in late April 2024
- Extensive base metals and previous mineral endowment at Georgetown with the potential to deliver a number of scale economic possibilities





# Activities and Newsflow



850 km<sup>2</sup> Georgetown project QLD. More than 1,000 mineral occurrences recorded in Georgetown District— no modern exploration identified for decades

More than 2000 samples to be collected during May 2024 and assayed for gold and multi element suite for 61 elements

Results of geophysics work at Fiery Creek expected Q4 2024

Georgetown endowed with significant Gold, Copper and base metals scale potential

Maiden geophysics work programmed in Q3 2024 at Fiery Creek Copper Prospect. 20.6 line kms of pole dipole IP, resistivity, MT

Drill programme based on geophysics work and assay results to be completed end Q4 2024

EMU has geological teams on the ground at Georgetown during April/May 2024

Assay results from the sampling programme scheduled to be reported from August 2024

Drilling programme scheduled at Fiery Creek Prospect in early 2025



Mayon Volcano Philippines,

Photo Credit Jay-Rness Ceria Photography



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## Contact Us

**DOUG GREWAR CEO**  
doug@emunl.com.au

**EMU NL**  
10 Walker Avenue  
West Perth WA 6005

+61 (0)419 833604  
[www.emunl.com.au](http://www.emunl.com.au)  
Investorhub.emunl.com.au



EMU Investor Hub Signup

[info@emunl.com.au](mailto:info@emunl.com.au)

ABN 50 127 291 927

ASX:EMU  
ASX:EMUCA