



## The background of the slide is a photograph of a vast desert landscape under a dramatic sunset sky. The sky is filled with warm, orange and yellow hues. In the foreground, there are scattered acacia trees and shrubs. Overlaid on the right side of the slide is a large graphic element consisting of three stylized flame shapes. These shapes are composed of thick, overlapping curves in shades of yellow, orange, and grey, creating a sense of motion and energy.

# Investor Presentation

August 2021

LON:ROCK

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**100%** owned assets

Lighthouse (gold)

Copperhead (copper)

Copper Dome (copper)

**2<sup>nd</sup>** ranked most attractive

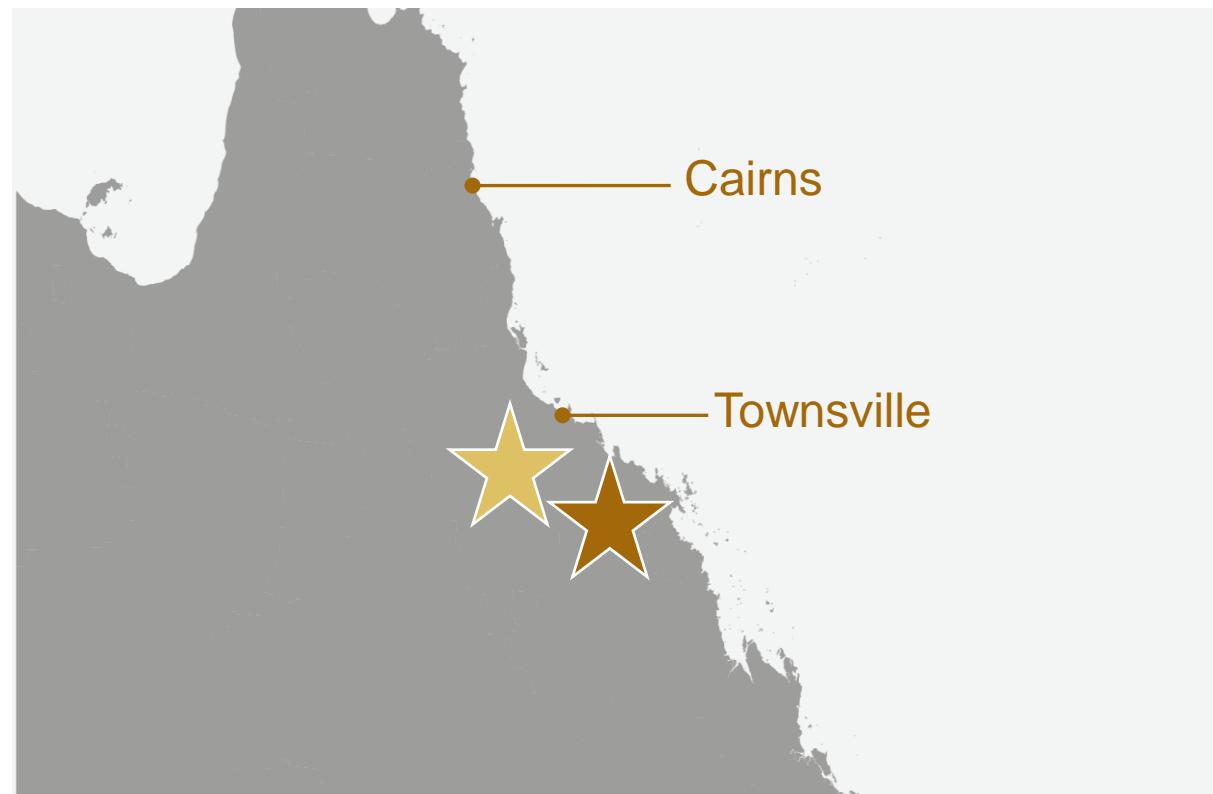
investment destination globally  
(Fraser Institute, 2019)

**3** gold processing plants

within 50 km trucking distance of  
Lighthouse

**2** large-scale porphyry copper

projects, both listed in the USGS  
Global Mineral Assessment



# Board & Management



**Gordon Hart**  
Chairman  
(GAICD)  
**Equities,**  
**Finance**  
(+35 years' experience)



**David Price**  
Managing Director / CEO  
(B.Sc., FAusIMM)  
**Geologist, Executive**  
(+30 years' experience)



**Ian Staunton**  
Director  
**Audit, Corporate Finance**  
(+40 years' experience)



**Nicholas Walley**  
Director  
**Business,**  
**Investor**  
(+35 years' experience)



**Patrick Elliott**  
Director  
**Mergers,**  
**Acquisitions,**  
**Investor**  
(+35 years' experience)



**Graeme Hogan**  
Company Secretary  
**Accounting,**  
**Secretarial,**  
**Governance**  
(+30 years' experience)

# Corporate snapshot



**AIM Code: ROCK**

Ordinary Shares 1,081,637,722

Market Cap (1.0p) £10.8M

**Percentage of shares not in public hands 9.83 %**

<b>&gt; 3% Shareholders and Board</b>	<b>Shares</b>	<b>%</b>
Nicholas Walley *	59,000,000	5.45
Michael Somerset-Leeke	49,101,126	4.54
David W Price *	13,850,000	1.28
Edward Fry *	13,000,000	1.20
Patrick Elliott *	11,641,420	1.08
Gordon Hart *	8,823,530	0.82
<b>* directors and management shareholdings total</b>		<b>9.83</b>



# Queensland, Australia



**6%**  
of Australia's  
annual gold  
production

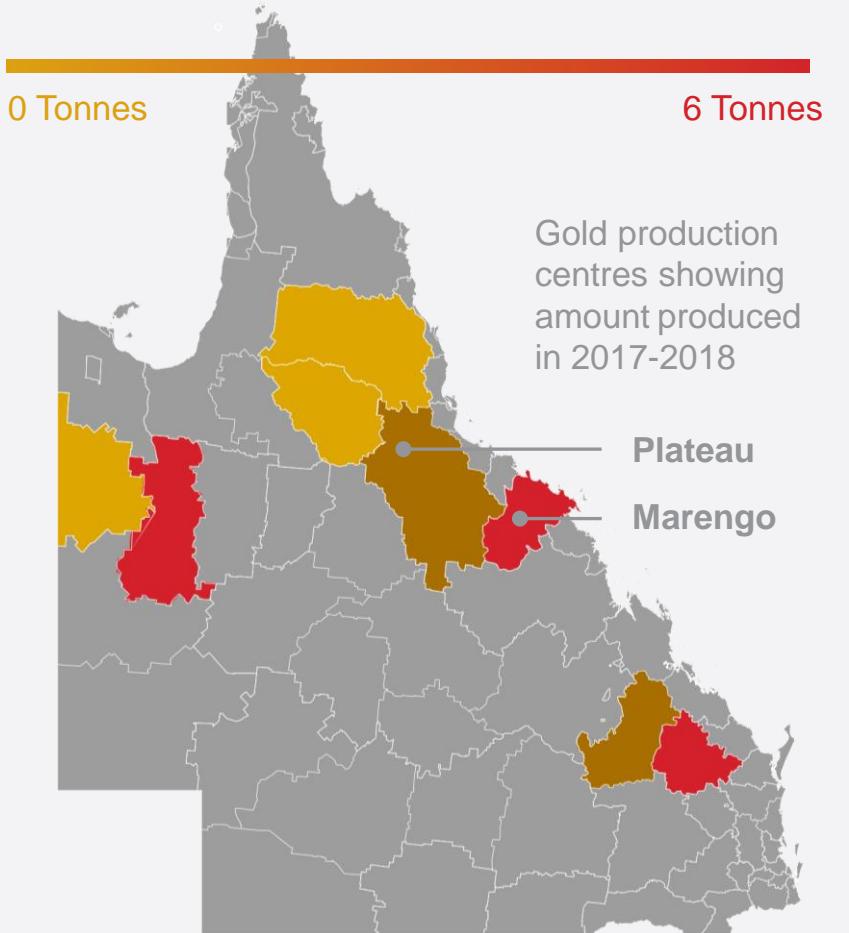
**\$127.4m**  
**(£71.3m)**  
expenditure on gold  
and copper  
exploration annually

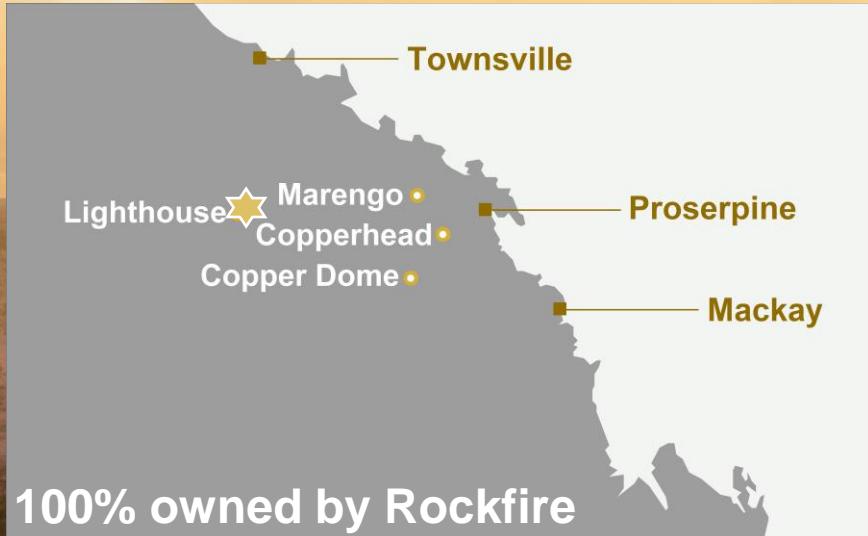
**14 operating  
gold mines**  
producing up to 16.4  
T gold annually  
(527,000 Oz)

**13 operating  
copper mines**  
producing up to  
245,000T per year

**995.3 tonnes**  
of defined gold  
(32 million Oz)  
in Resources &  
Reserves

**17.67 MT**  
of defined copper  
Resources &  
Reserves





# Lighthouse



**JORC Indicated and Inferred Resource (Jan 2021)  
using a 0.5 g/t Au low-grade cut-off:**

**3.9 MT @ 1.1 g/t Au and 6.4 g/t Ag**

**131,302 Oz. of gold and 800,000 Oz. of silver**

# Lighthouse



**Explored** by large companies including Kennecott, Penaroya, Esso Australia, Battle Mountain, CRA, WMC, Aberfoyle, Plutonic, Newcrest

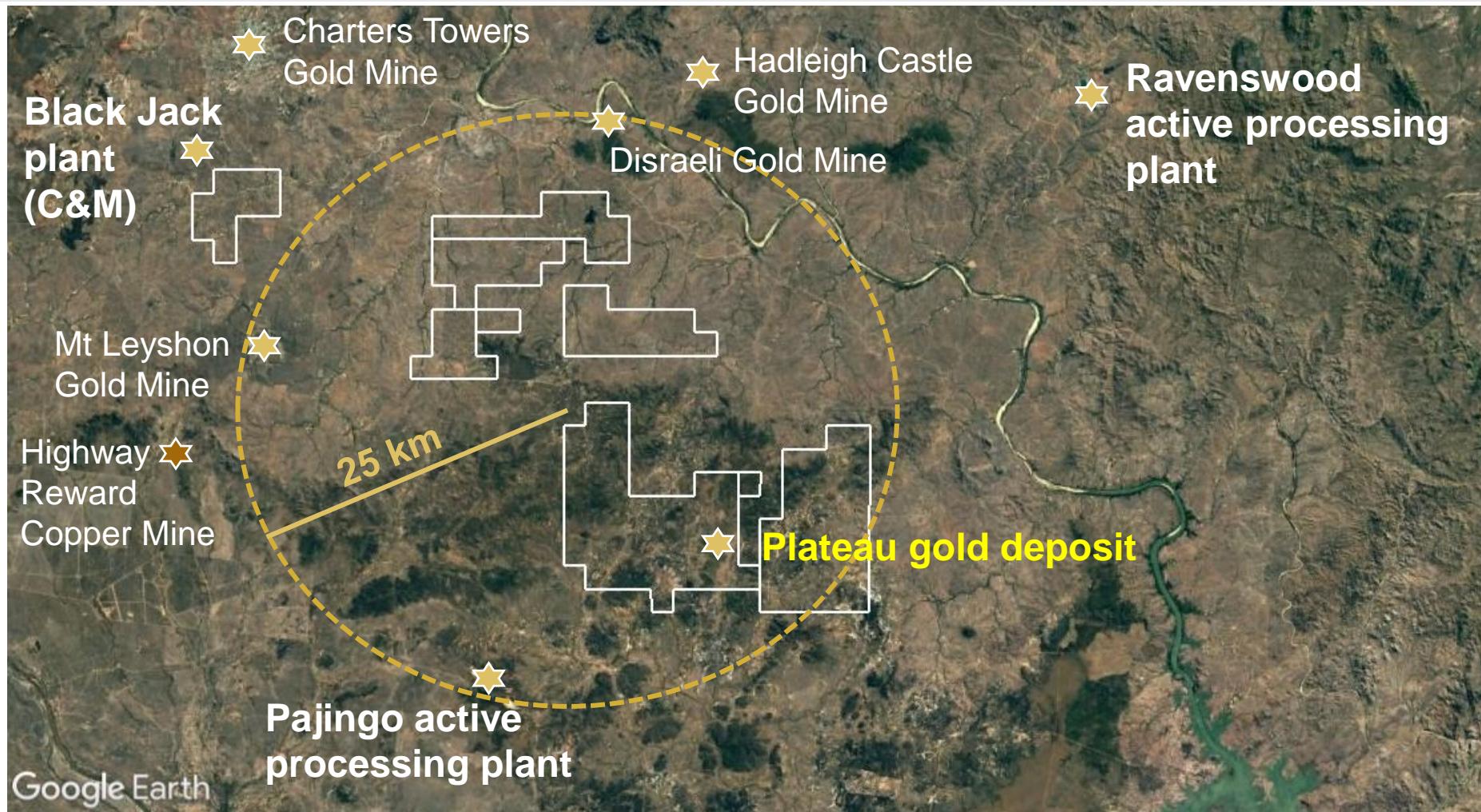
**15** prospects identified within the licence, including breccia-hosted, IRGS and structurally-controlled gold and silver deposits

**27 km** by road from the nearest, operating gold plant

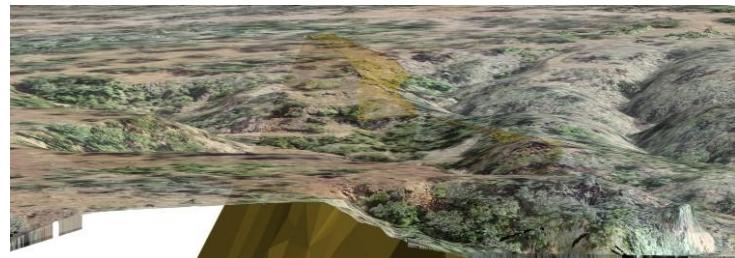
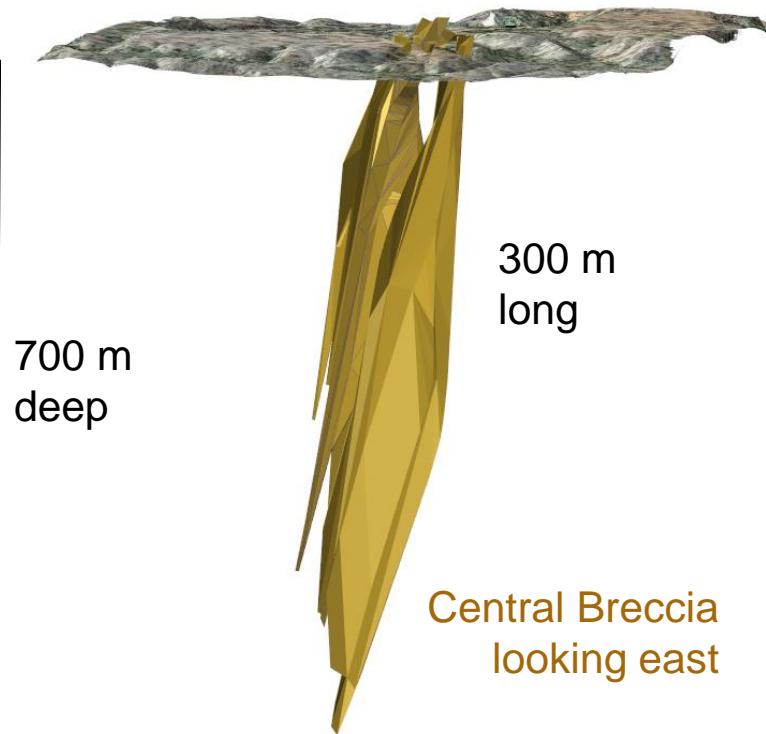
**Prospective** for gold, silver, copper and zinc



# Plateau – between multi-million-ounce gold mines



# Plateau Gold Deposit – JORC Resource defined



Using a 0.2 g/t Au low-grade cut-off:

**11.4 MT @ 0.6 g/t Au and 4.0 g/t Ag  
208,278 Oz. of gold and 1,500,000 Oz. of silver**



Using a 0.5 g/t Au low-grade cut-off:

**3.9 MT @ 1.1 g/t Au and 6.4 g/t Ag  
131,302 Oz. of gold and 800,000 Oz. of silver**

# Plateau Gold Deposit – Open Pit Potential



## Open pit potential

for low-medium grade gold down to 70 m depth.

### CENTRAL BRECCIA

- 4 m @ 2.6 g/t Au (PL004)
- 4 m @ 3.9 g/t Au (PLP145)
- 22 m @ 1.8 g/t Au (BPL002)
- 6 m @ 4.10 g/t Au (BPL013)
- 12 m @ 1.2 g/t Au (BPL014)
- 12 m @ 1.3 g/t Au (BPL015)
- 10 m @ 2.0 g/t Au (BPL025)
- 6 m @ 1.2 g/t Au (BPL029)
- 32 m @ 1.7 g/t Au (BPL034)
- 9 m @ 2.2 g/t Au (BPL035)

### EASTERN BRECCIA

- 10 m @ 1.83 g/t Au (PL103)
- 11 m @ 2.04 g/t Au (PLP127)
- 15 m @ 1.34 g/t Au (PLP128)
- 10 m @ 2.06 g/t Au (PLP129)
- 11 m @ 4.58 g/t Au (PLP130)
- 16 m @ 1.63 g/t Au (PLP138)
- 18 m @ 1.00 g/t Au (BPL004)
- 10 m @ 1.90 g/t Au (BPL008)
- 15 m @ 1.10 g/t Au (BPL018)
- 30 m @ 1.20 g/t Au (BPL020)
- 18 m @ 1.30 g/t Au (BPL021)
- 22 m @ 1.00 g/t Au (BPL022)

Top 100m:

**1.4 MT @ 1.2 g/t Au and 8.8 g/t Ag  
53,336 Oz. of gold and 390,000 Oz. of silver**

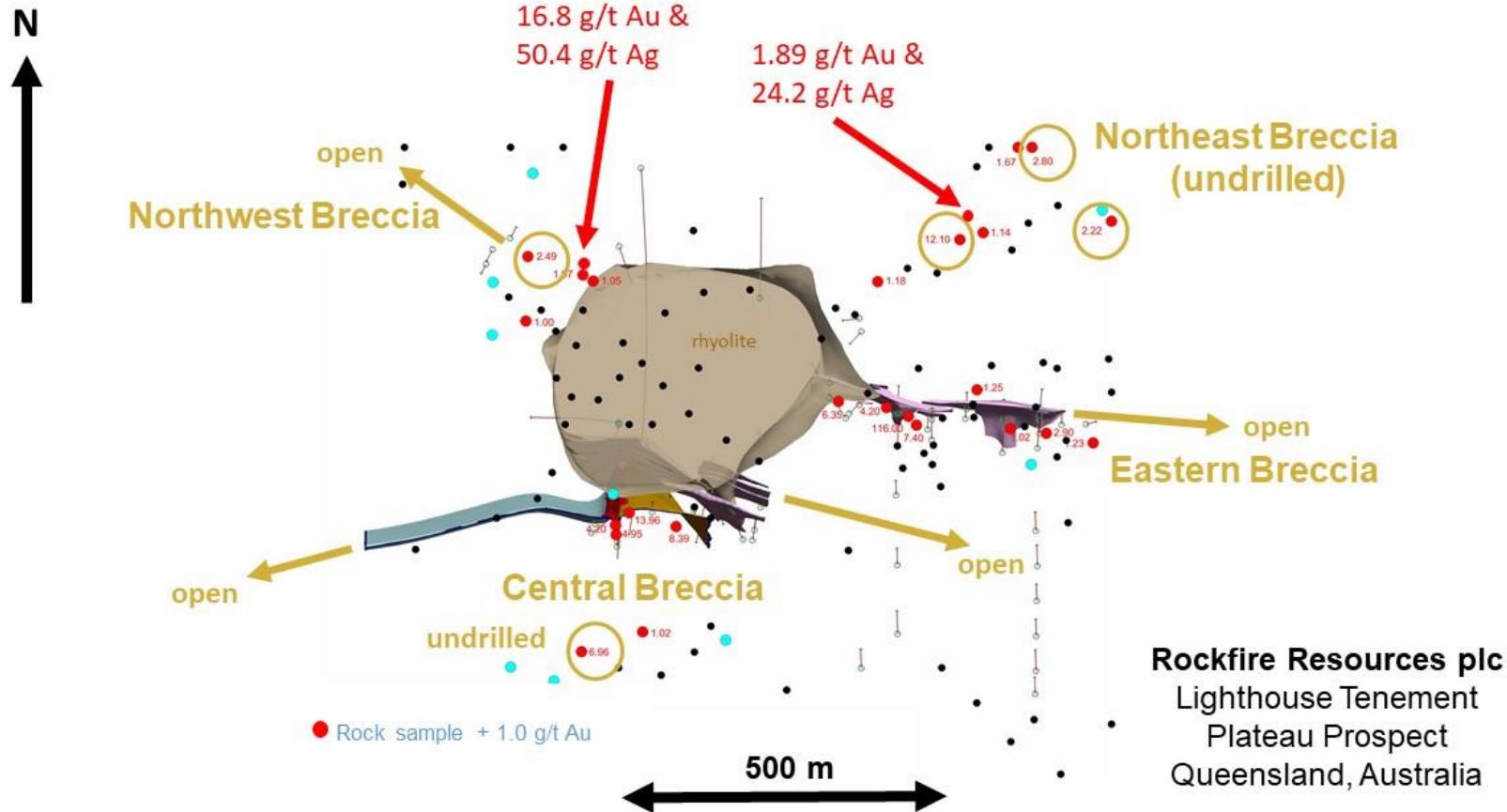


## Net positive cash flow indicated

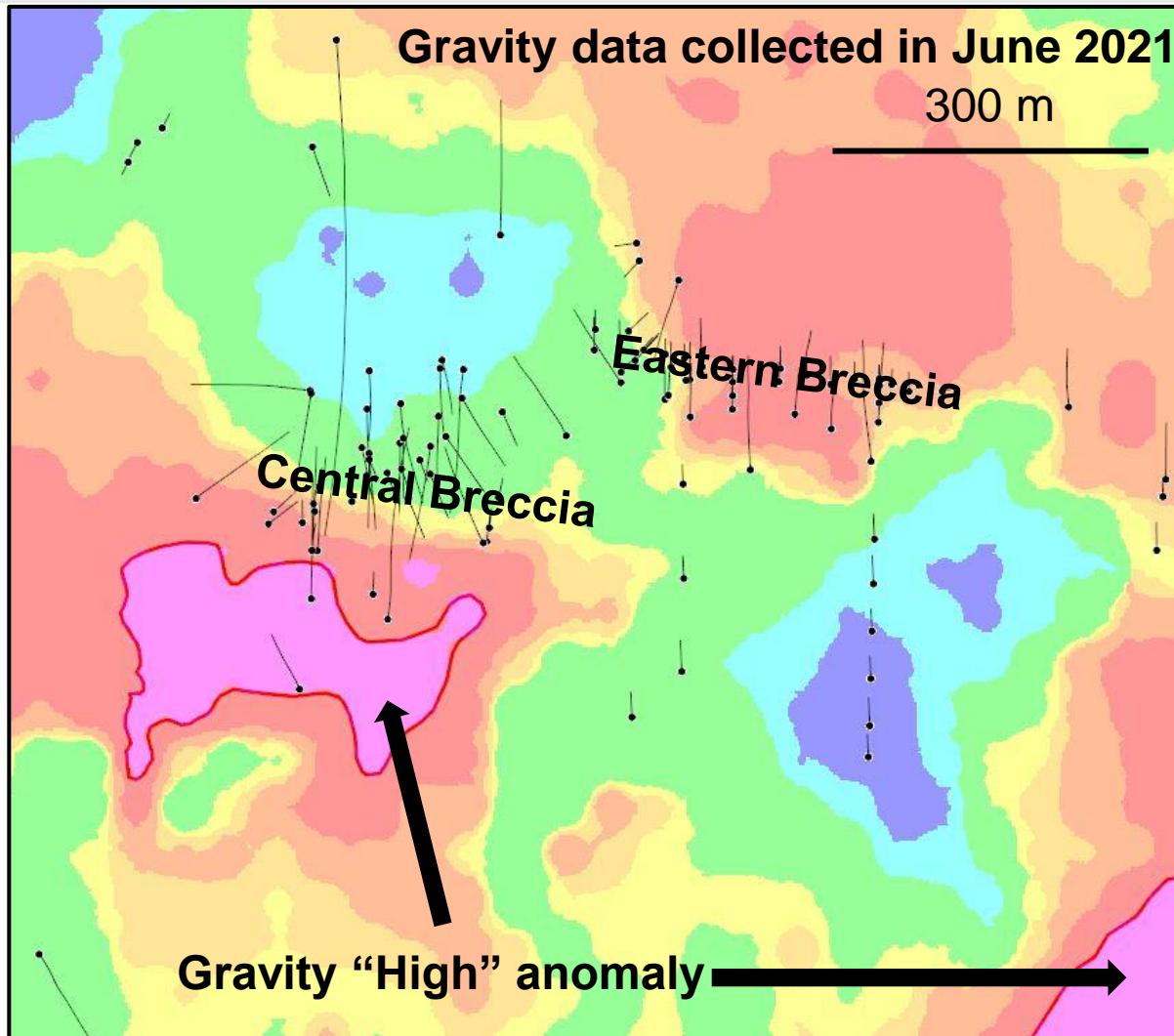
- Net positive cash flow ranging from AUD \$6.8m to AUD \$19.4m (GBP £3.7m to GBP £10.7m)
- Multiple targets within the proposed pit outlines are yet to be drilled. Numerous opportunities to increase gold ounces with additional shallow drilling.
- Only the top 100 m incorporated into the study, yet gold up to 16.9 g/t Au has been intersected approximately 400 m below surface.
- Assumes utilisation of one of the nearby existing processing facilities. Capital costs are deemed minimal.
- Average mined grades range between 1.26 g/t Au and 1.94 g/t Au from within the optimised pit outlines.
- A spot gold price of AUD\$ 2,220 (US\$ 1,718) per ounce used and the study excludes any contribution from recovery of silver. (As @ 23/8/2021, the spot price of gold is US\$ 1,788 per ounce).



# Plateau Gold Deposit – Expansion potential



# Plateau Gold Deposit – Expansion potential



# Lighthouse – tenement-wide, high grade prospects



## Jeddah

Continuous rock samples:  
10 m @ 1.68 g/t Au

## Bell Rock

High grade rock samples:  
23.4 g/t Au, 7.3 g/t Au, 5.8 g/t Au

## Split Rock

High-grade rock samples:  
3.5 g/t Au, 38 g/t Ag, 11.3 % Cu

## Double Event

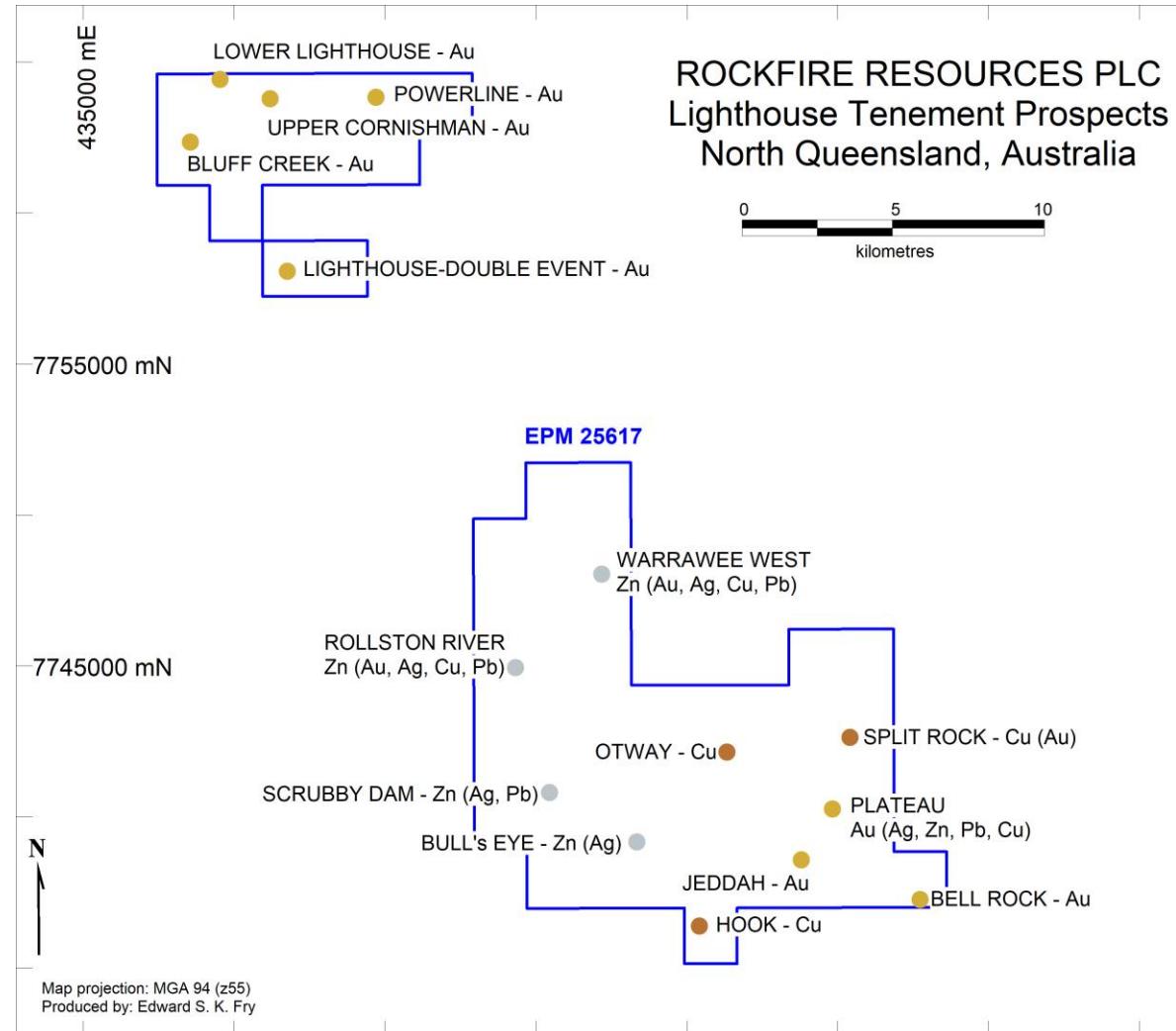
Drilling results:  
3 m @ 10.04 g/t Au

## Lower Lighthouse

Drilling results:  
2 m @ 6.25 g/t Au

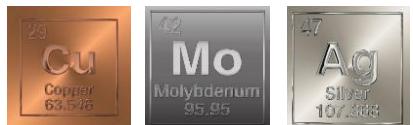
## Bluff Creek

Drilling results:  
2 m @ 7.3 g/t Au





# Copperhead



Listed in the United States Geological Survey (USGS)

## "GLOBAL MINERAL RESOURCE ASSESSMENT"

Porphyry Copper Assessment of Eastern Australia  
(listed under its historical name of Julivon Creek)

Scientific Investigations Report 2010-5090-L Dated 2014

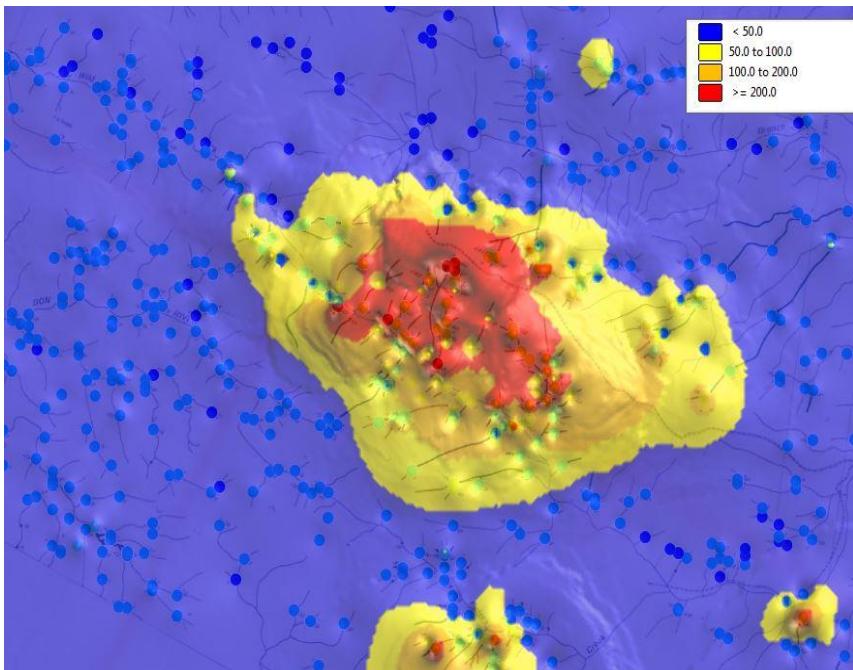


# Copperhead Copper Deposit

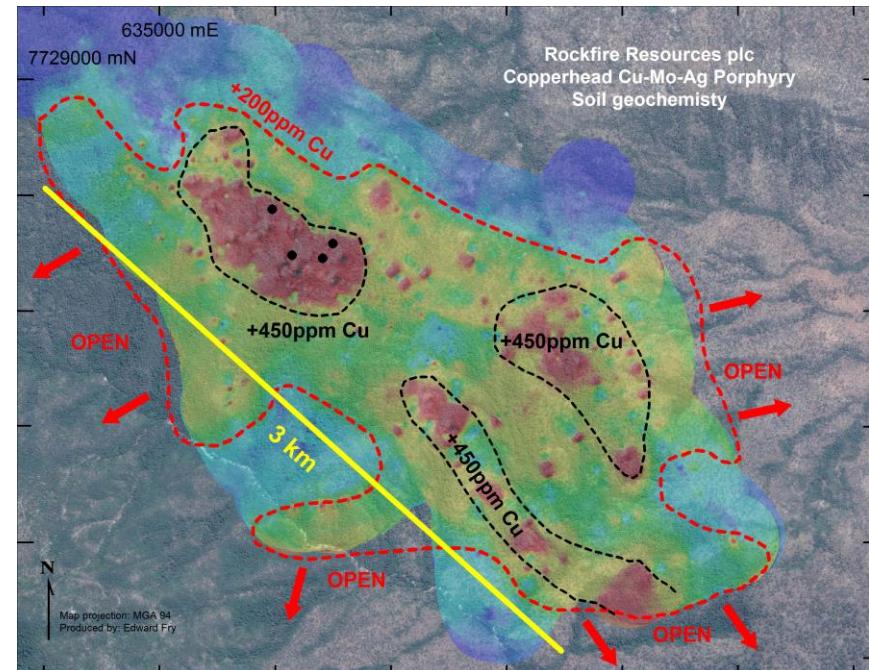
**13** companies have explored historically, including CRA (1963-64), Carpentaria (1970-72) and WMC (1988-89)

**200** km to Australia's largest copper refinery, owned by Glencore Australia

**5** drillholes in 1972 intersected visible copper minerals from surface to a maximum depth of 300 m



**6 km X 3.0 km** stream sediment anomaly

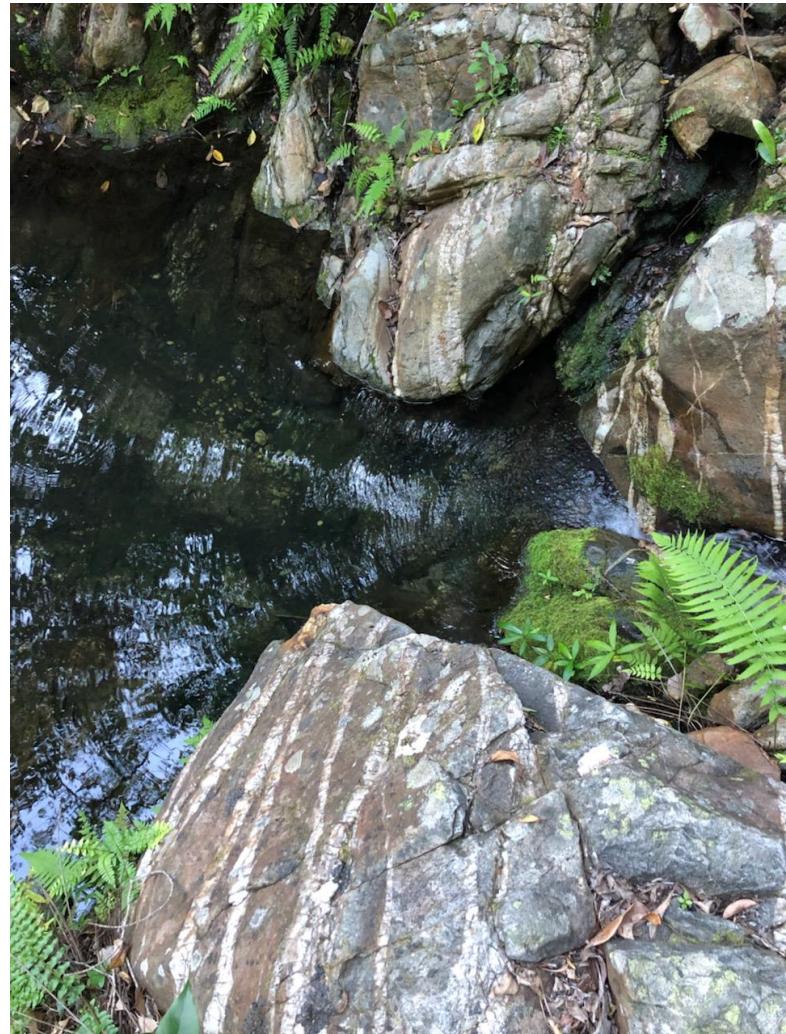


**3.0 km X 2.0 km** soil anomaly



# Copperhead Copper Deposit

**Geological** mapping by  
Carpentaria identified sheeted  
quartz veins, with visible copper  
minerals.





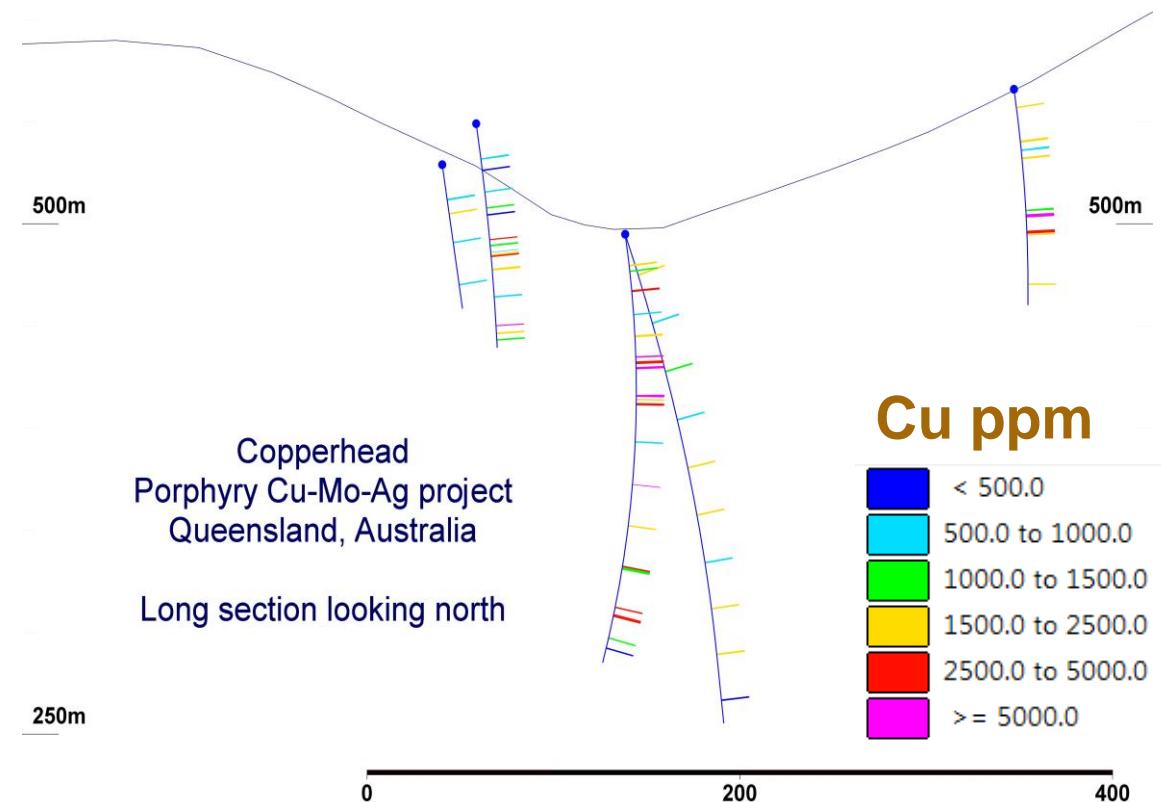
# Copperhead Copper Deposit

**Drilling** in 1972 tested a strike of approximately 400 m within a 3.0 km long x 2.0 km wide soil anomaly

**Intermittent** sampling of core in 1972. A sample was taken periodically down hole. No continuous core sampling

**Highest** grades in core sampling were 2.8 % Cu, 12 g/t Ag and 1.5 % Mo

**Open** in all directions and potential exists for a significant copper discovery





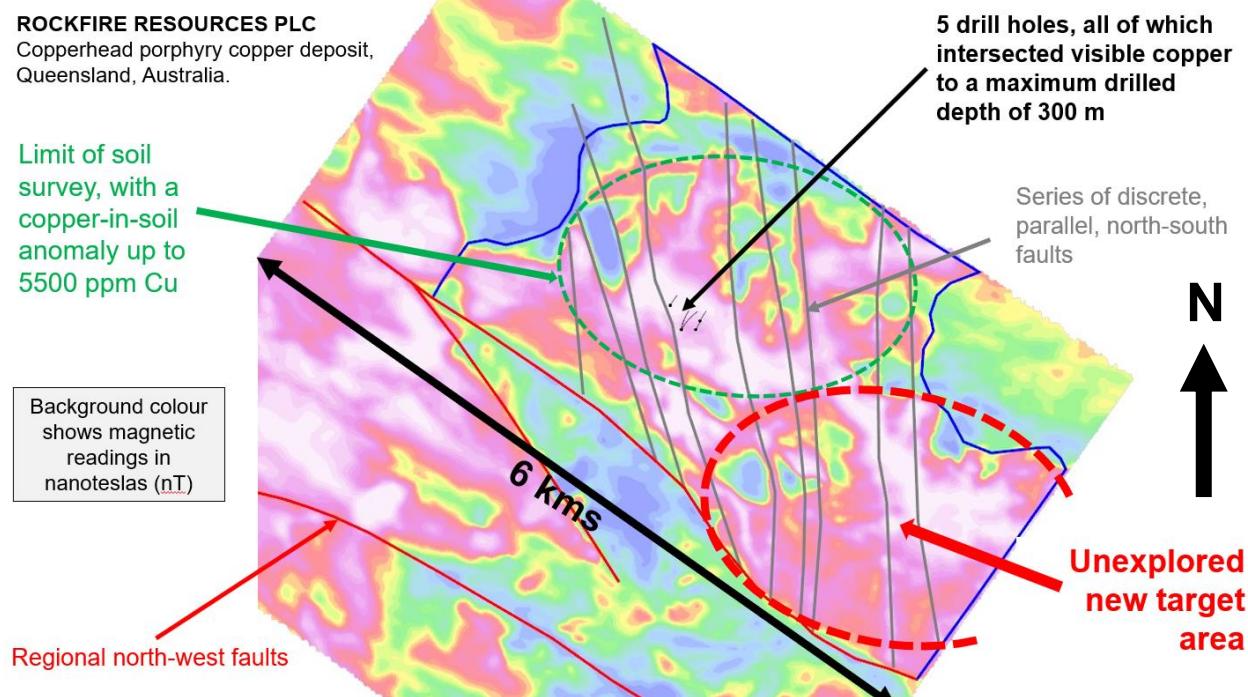
# Copperhead Copper Deposit

**Helimag** survey completed  
in December 2020

- line spacing 40 m
- height of 35 m

**Important** fracture  
intersections have been outlined  
where high-grade copper may be  
concentrated

**An extended** high-density fracture pattern has been identified to the south and east of historical drilling, thereby significantly expanding the potential tonnage



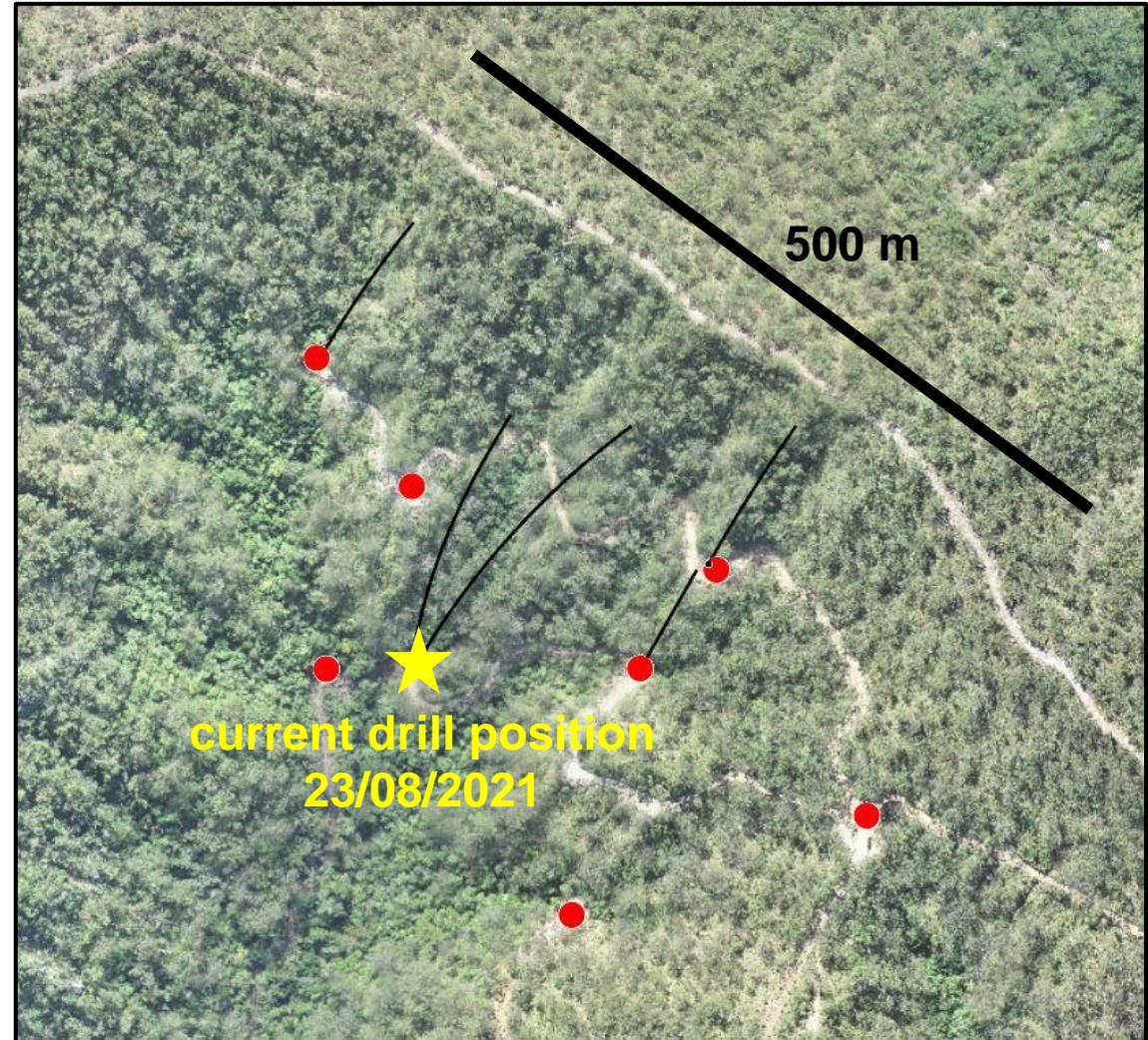
# Copperhead Copper Deposit



**Tracks** have been re-established to gain access to historical drilling sites.

The current drilling will include verification of copper grades, extension to the east and south and at depth

Trace of historical  
drill hole

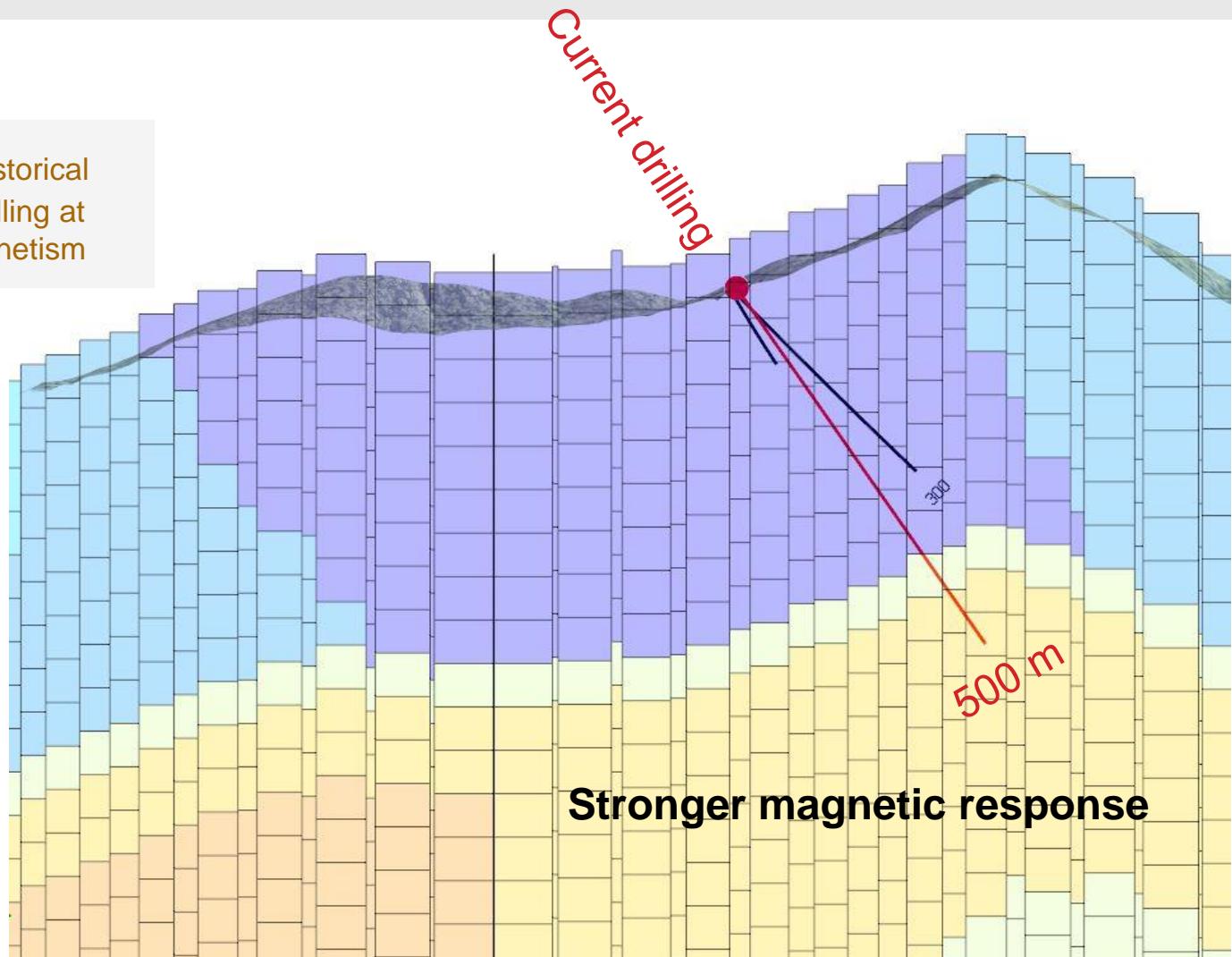




# Copperhead Copper Deposit

**Drilling** to verify historical grades and to extend drilling at depth to test higher magnetism

Cross section looking towards the west, showing magnetic response





# Copperhead: copper-rich veins

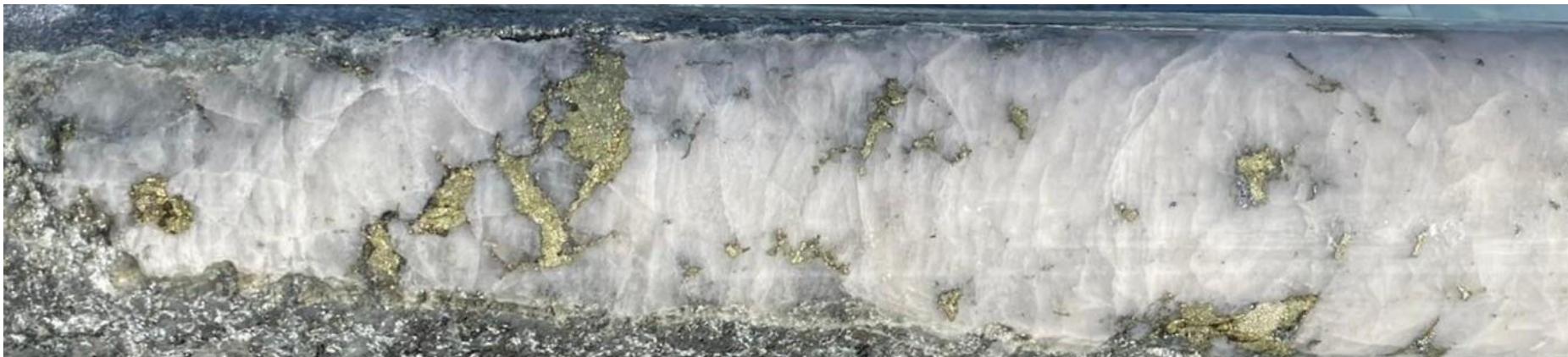
**Copper** is being regularly encountered in our current diamond drilling





# Copperhead: copper-rich veins

**Copper** is being regularly encountered in our current diamond drilling





# Copper Dome



Listed in the United States Geological Survey (USGS)  
**"GLOBAL MINERAL RESOURCE ASSESSMENT"**  
Porphyry Copper Assessment of Eastern Australia"  
(listed under it's historical name of Mt Leslie)

Scientific Investigations Report 2010-5090-L Dated 2014

# Copper Dome Copper Deposit – large-scale, under-explored



**Historical** workings exist with collapsed shafts being testimony to high grades

**23.4 % Cu, 952 g/t Ag and 3.2 g/t Au** are the highest-grade rock samples collected by Rockfire

**15.24 m @ 0.88 % Cu** from shallow drilling by Auselex Exploration in 1972

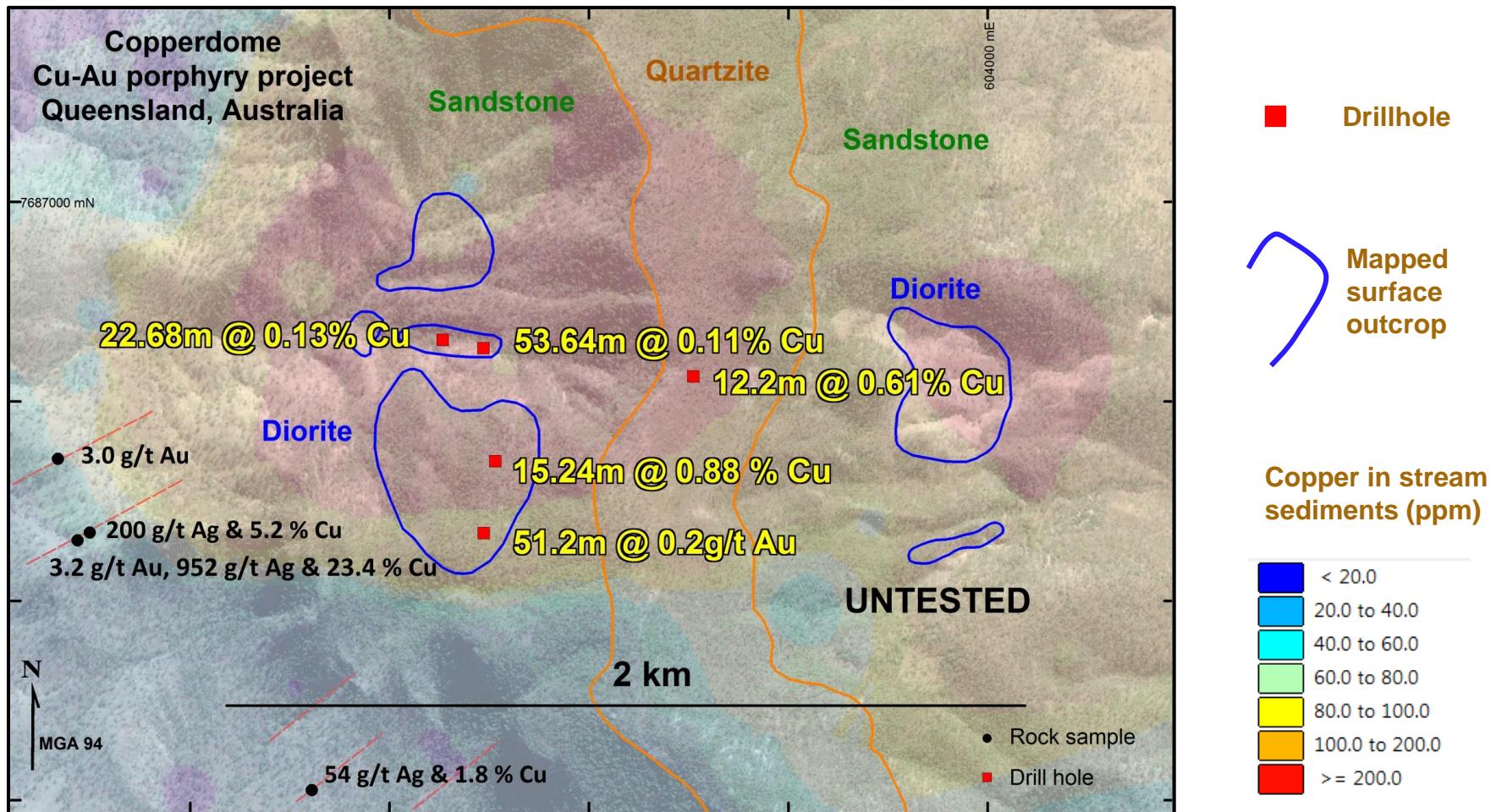
**51.20 m @ 0.2 g/t Au** from shallow drilling by Auselex Exploration in 1972

**2.0 km x 1.0 km** soil copper anomaly, delineating a large-tonnage target

**Under-explored,** with no boundaries to the mineralization identified so far

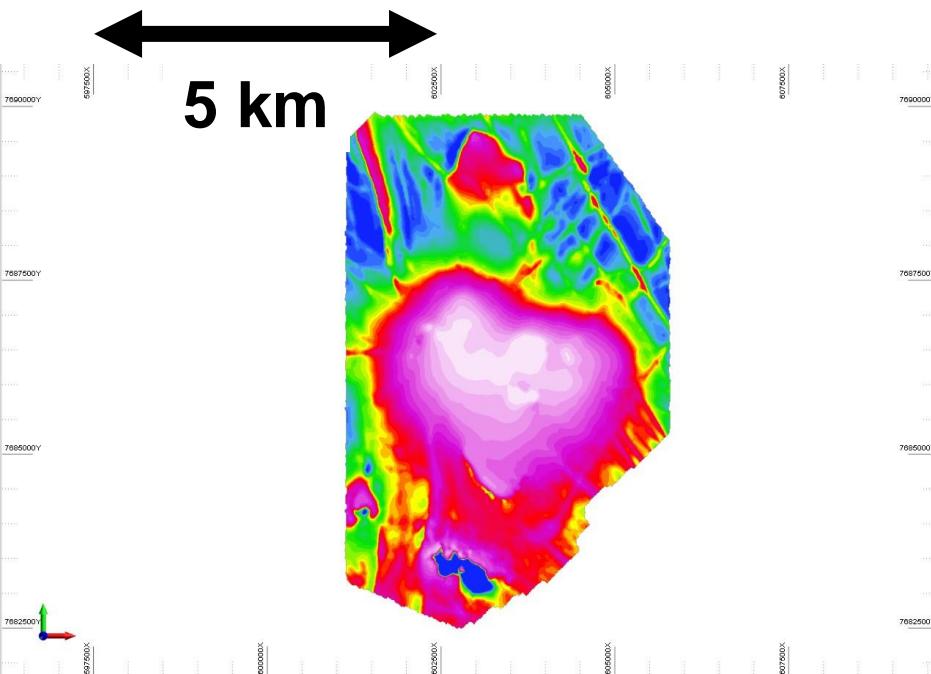


# Copper Dome Porphyry Copper Deposit





# Copper Dome Porphyry Copper Deposit



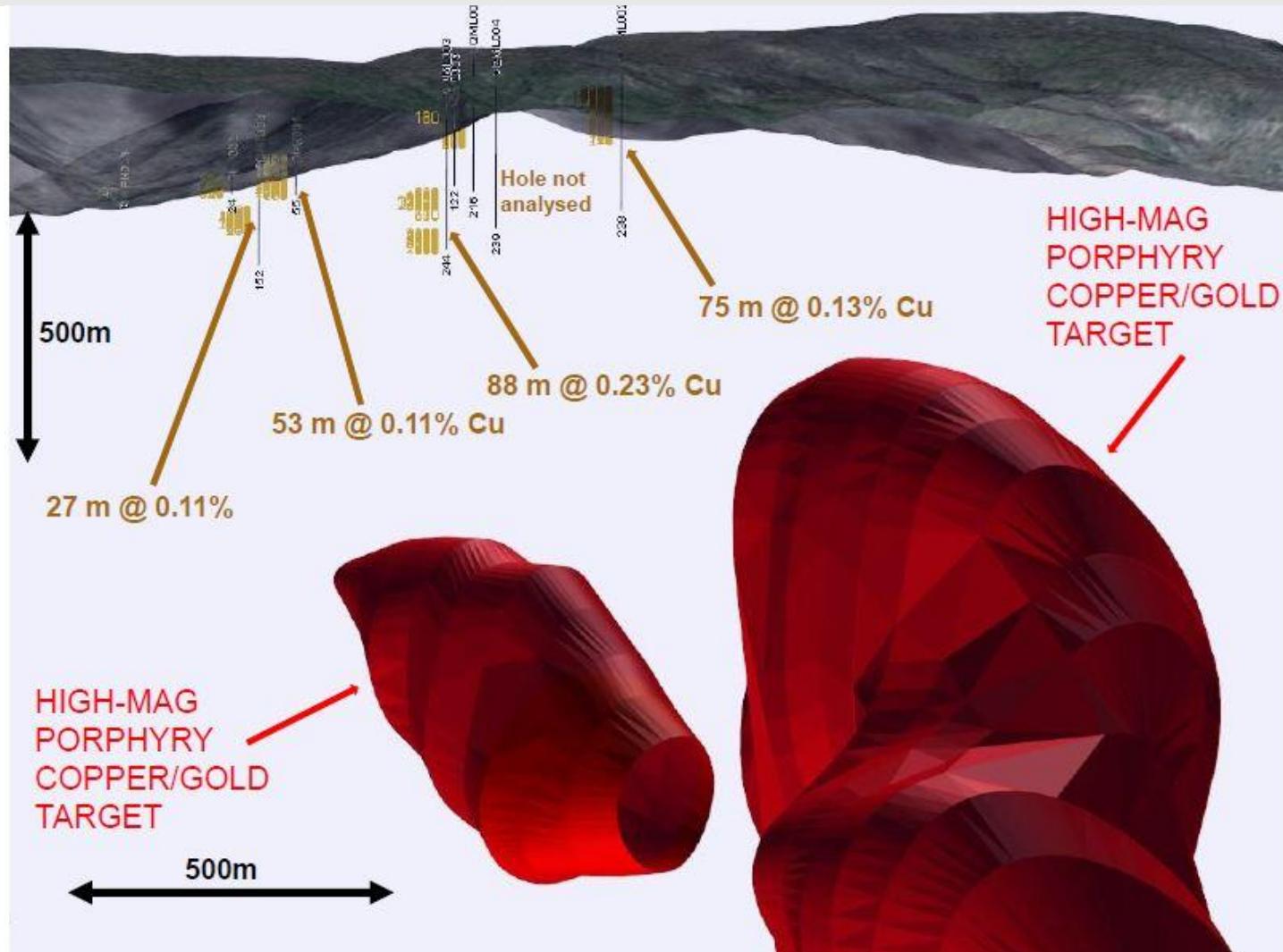
**Rockfire's helicopter magnetics RTP  
(Reduced to Pole)**



**Helicopter magnetics 1VD  
(1<sup>st</sup> Vertical Derivative)**



# Copper Dome Porphyry Copper Deposit



# Rockfire Resources – Summary



**Exploring in proven  
gold and copper  
mineralised areas**

**208,000 ounces of  
gold & 1.5M ounces  
of silver at Plateau**

**Two large-scale  
porphyry copper  
projects**

**Highly experienced  
and determined  
board of directors**

**Commodity  
exposure to Au, Cu,  
Ag and base metals**

**Targeting a maiden  
JORC copper  
resource**





# Rockfire Resources plc

## LON:ROCK

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