

Carolina Mine Circa 1900



LOCKSLEY RESOURCES LIMITED

ACN 629 627 144

APRIL 2022

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Disclaimer

Competent Persons Statement

The information in this report related to Exploration Results is based on information compiled by Ian Cooper BSc(Hons) BE(Mining) MSc, MAUSIMM, (member # 106609). Mr Cooper has over 35 years' experience in the mineral and mining industry. Mr Cooper is a full-time employee and shareholder of Locksley Resources. Mr Cooper 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 Resources and Ore Reserves. Mr Cooper consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.

The Competent Person for the 2022 Resource is Mr Jeremy Peters FAusIMM CP(Geo, Min), a Director of Burnt Shirt Pty Ltd. The Mineral Resource estimate is stated in accordance with the provisions of the JORC Code (2012). Mr Peters has more than five years' experience in the estimation and reporting of Mineral Resources for base metals mineralisation in Australia and overseas, 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 Peters consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.

Previous Disclosure

The information in this presentation that relates to Exploration Results has been extracted from historic open file exploration reports and various Locksley Resources' ASX announcements, all of which are available at locksleyresources.com.au. Locksley Resources confirms that it is not aware of any new information or data that materially affects the information included in these original market announcements and that all material assumptions and technical parameters underpinning the relevant market announcements continue to apply and have not materially changed.

Locksley Resources confirms that the form and context in which the Competent Person's findings are represented have not been materially modified from the original market announcements.

The Board of Directors of Locksley Resources Limited authorises the release of this presentation.

A Team That Delivers

Passionate management with a track-record of generating shareholder returns...



Steve Woodham

Managing Director

- Mr Woodham has over 30 years' experience in the mining and exploration industry in Western Australia, New South Wales and overseas.
- His area of specialisation includes field logistics land access in rural and remote environments and company management.
- He also has an extensive track record of tenement acquisition, mining investment and commercial and cross-cultural negotiation.
- Mr Woodham was a founding director of Centaurus Resources, YTC Resources (Aurelia), and managing director of Kingwest and Tellus Resources.
- Mr Woodham will not be considered an independent director.



Adam Giles

Non Executive Chair

- Adam was the 10th Chief Minister of the Northern Territory and held office from 2013 until 2016. During his political career Adam held the portfolios of Northern Australia, Major Projects, Economic Development, Indigenous Affairs, Transport and Infrastructure and Treasury.
- Prior to politics, Adam had a long career in the Indigenous affairs, housing, training and employment sectors and previously worked as a social and economic policy adviser in the Department of Prime Minister and Cabinet and led Indigenous Economic Policy for the Australian Government.
- Adam now provides consultancy advice on agriculture and mining, politics, media, Indigenous policy and employment and training.
- Mr Giles will be considered an independent director.



Steve Brockhurst

Non Executive Director

- Mr Brockhurst is the founding Director of Mining Corporate Pty Ltd and has over 15-20 years' experience in the finance and corporate advisory industry and has been responsible for the preparation of the due diligence process and prospectuses on a number of initial public offers.
- His experience includes corporate and capital structuring, corporate advisory and company secretarial services, capital raising, ASX and ASIC compliance requirements.
- Mr Brockhurst will be considered an independent director.



Ian Cooper

Operations Manager

- Ian graduated from Sydney University in 1987 with BSc (Hons) and BE (Mining).
- He then worked at Broken Hill as a miner, ventilation and planning engineer.
- Ian completed an MSc in geology whilst working at Browns Creek in 1998. Ian has also worked on Cadia Hill, Cadia Quarry, Cadia East and Ridgeway deposits before becoming a founder of YTC Resources.
- Between 2004 and 2015 Ian was involved with exploration and mine development as Principal Geologist for YTC Resources / Aurelia Metals.
- During 2018 and 2019 also helped list and establish Kingwest Resources with a series of projects in the Leonora – Leinster – Darlot area.
- Since 2019 Ian consulted to a wide variety of mineral exploration projects in N.S.W. before helping to establish Locksley Resources.

Executive Summary

Project is in the highly prospective Lachlan Fold Belt, Cobar-Girilambone district...

- Australian exploration company with the purpose of identifying and assessing resource opportunities within Australia
- Focused on the exploration and development of the mineral resources project at **Tottenham** NSW
- Highly prospective Lachlan Fold Belt Tottenham district and includes a 50 km strike length of sulphide copper corridor
- **JORC 2012 Compliant Resources**
- **Multiple exploration targets**

Historic Production

- Previous production from the Bogan River, Mount Royal – Orange Plains, Carolina, Underlay and Ace Mines. The most active period of production was between 1905 and 1917. After 1917 production continued sporadically until 1990.
- **Recorded production is estimated to be 3907 tonnes Cu** with minor gold (4.5kg) and silver (24.1kg).

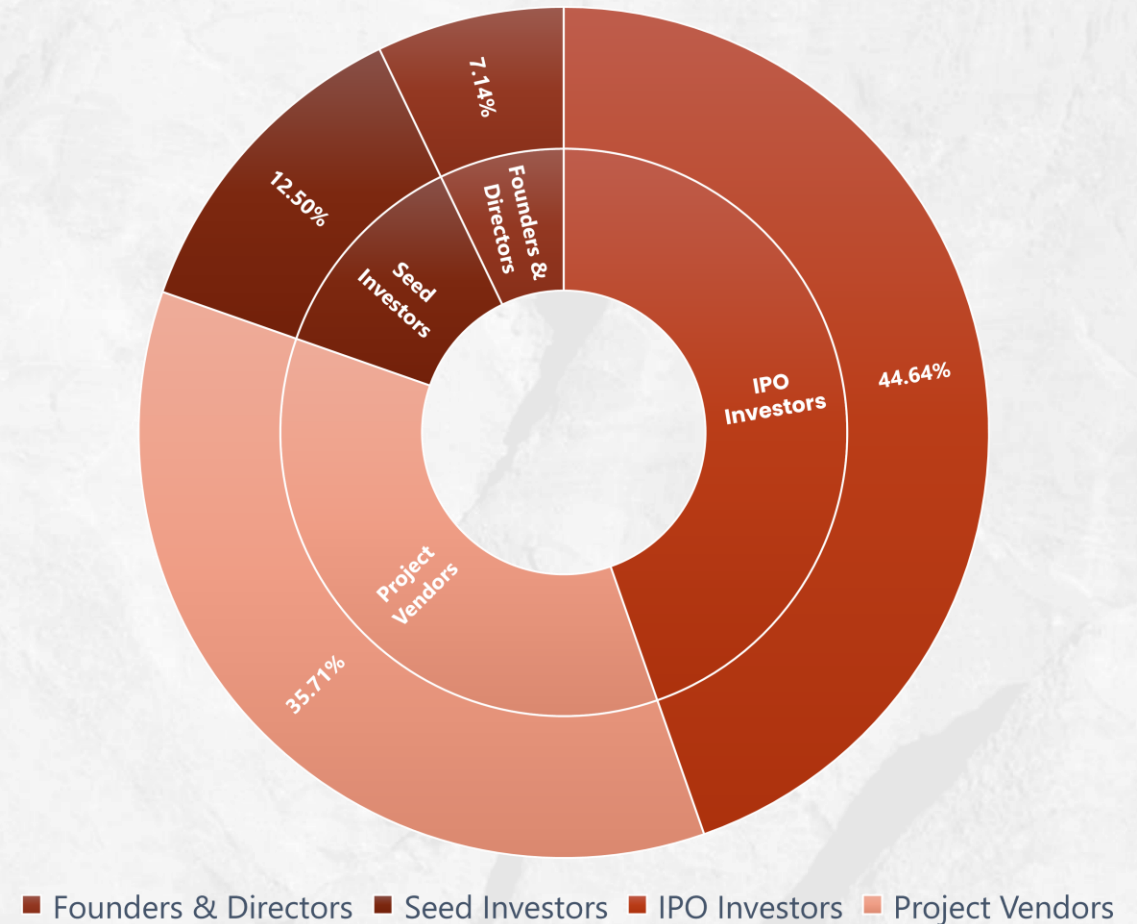


Corporate Overview

ASX Code	LKY
Shares in Issue	56,000,001
Options in Issue	9,000,000
Market Capitalisation (\$0.15)	\$8.4m
Cash at Bank (31 Dec 2021)	\$2.84m
Freehold Property Ownership	\$100,000
Enterprise Value (31 Dec 2022)	\$5.5m

Shareholder Breakdown

(July 2021)



Tottenham Project

Overview

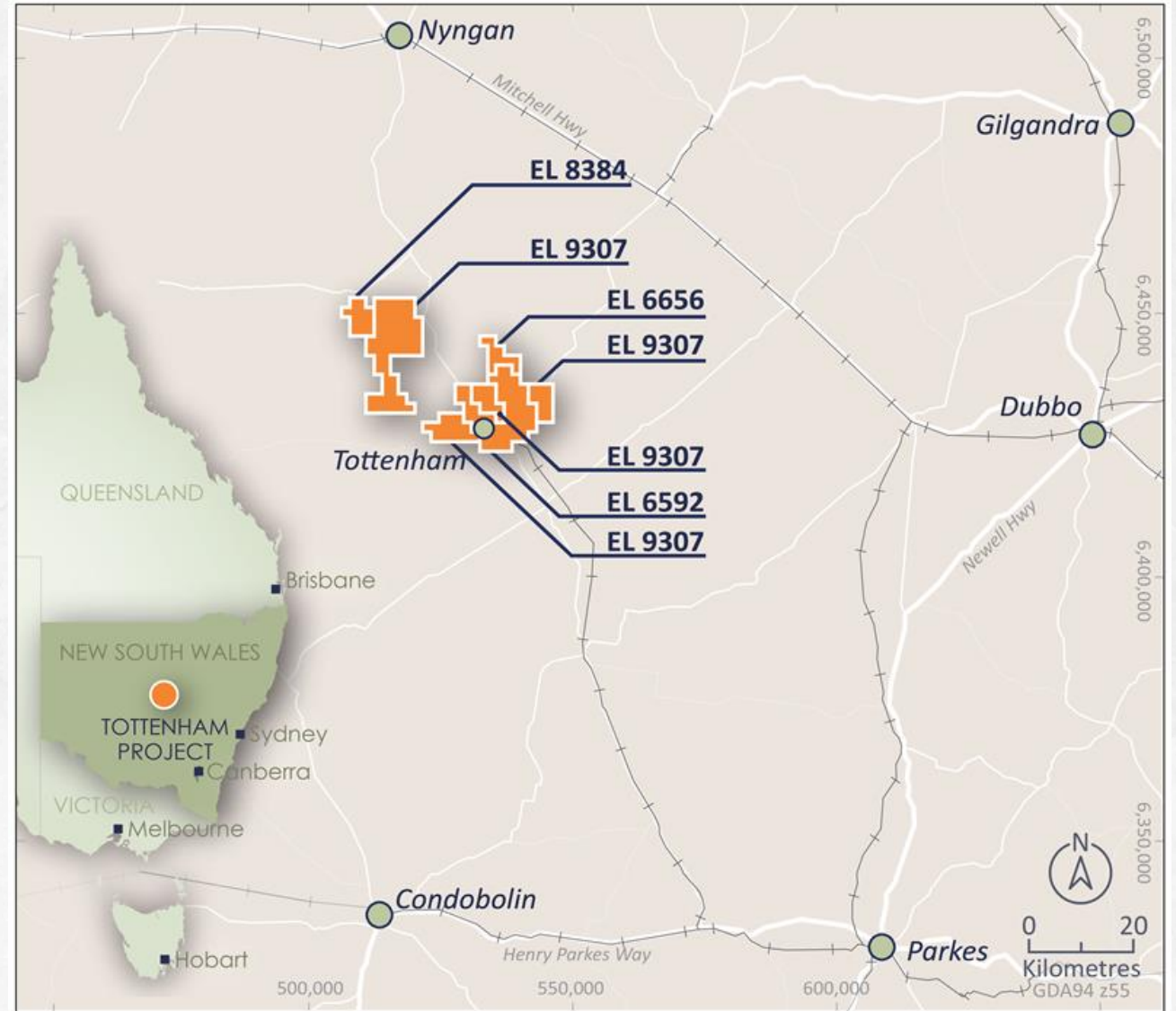
- Australian mineral exploration company
- Focused on the exploration and development of Copper & Gold Deposits
- Located in the highly prospective Lachlan Fold Belt, NSW
- **Multiple Known Deposits**

4 Granted Exploration Licences

- 470km² Land Package
- **All tenements granted until at least 2026**

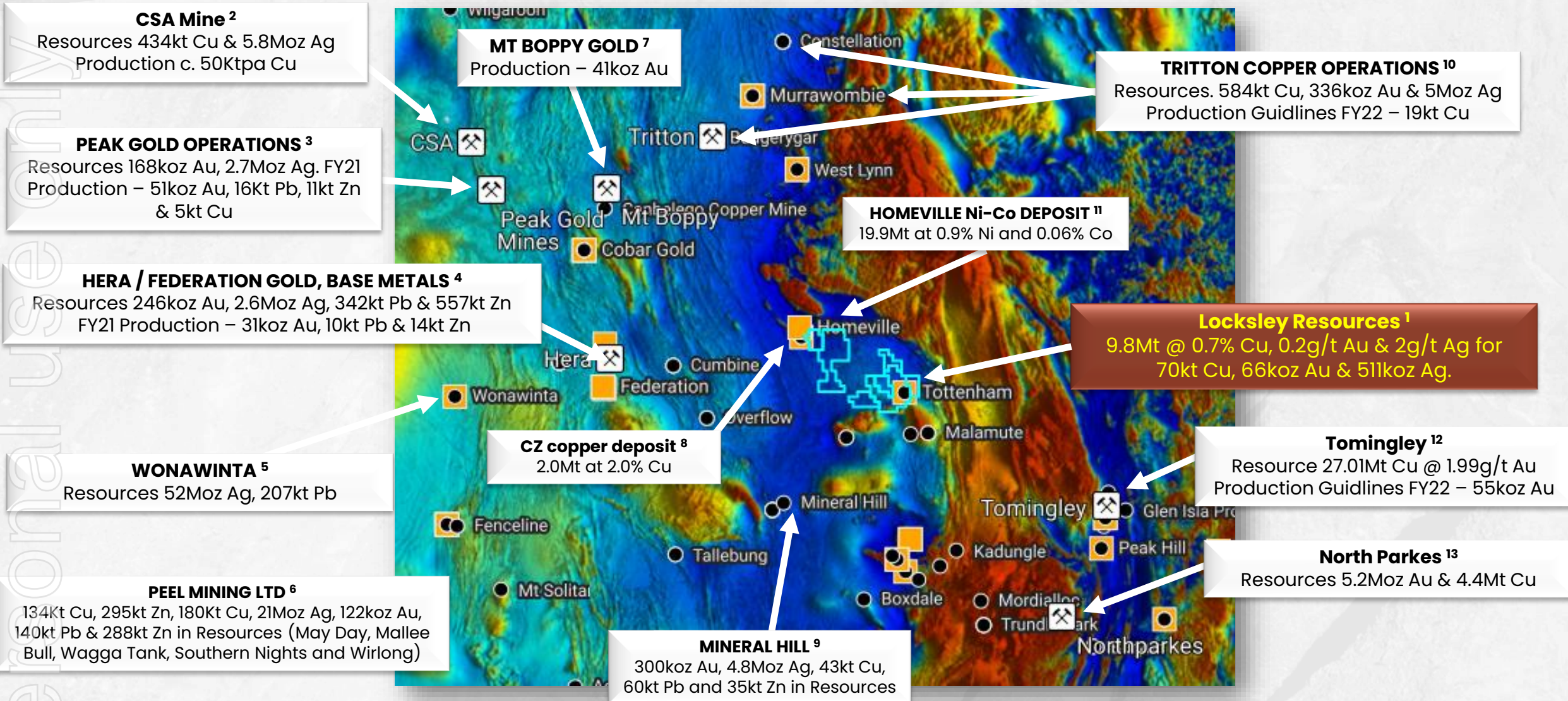
JORC 2012 Compliant Resource

- Initial resource calculated on two areas, being Carolina and the Mount Royal to Orange Plains Deposits
- **9.8Mt @ 0.7% Cu, 0.2g/t Au & 2g/t Ag**
for 70kt copper, 66koz gold & 511koz Ag.



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Highly Prospective Lachlan Fold Belt & Tottenham district



Tottenham Project

50km of prospective horizon

Multiple historic prospects have been drilled and returned encouraging copper-gold intersections that require further testing. Significant results include:

Bogan River

16m @ 6.94% Cu from 3m (TPRC043)

Ace

2m @ 1.26% Cu from 25m (ACRC002)

Jimmy Woodser

24m @ 0.73% Cu from 32m (TPRC057)

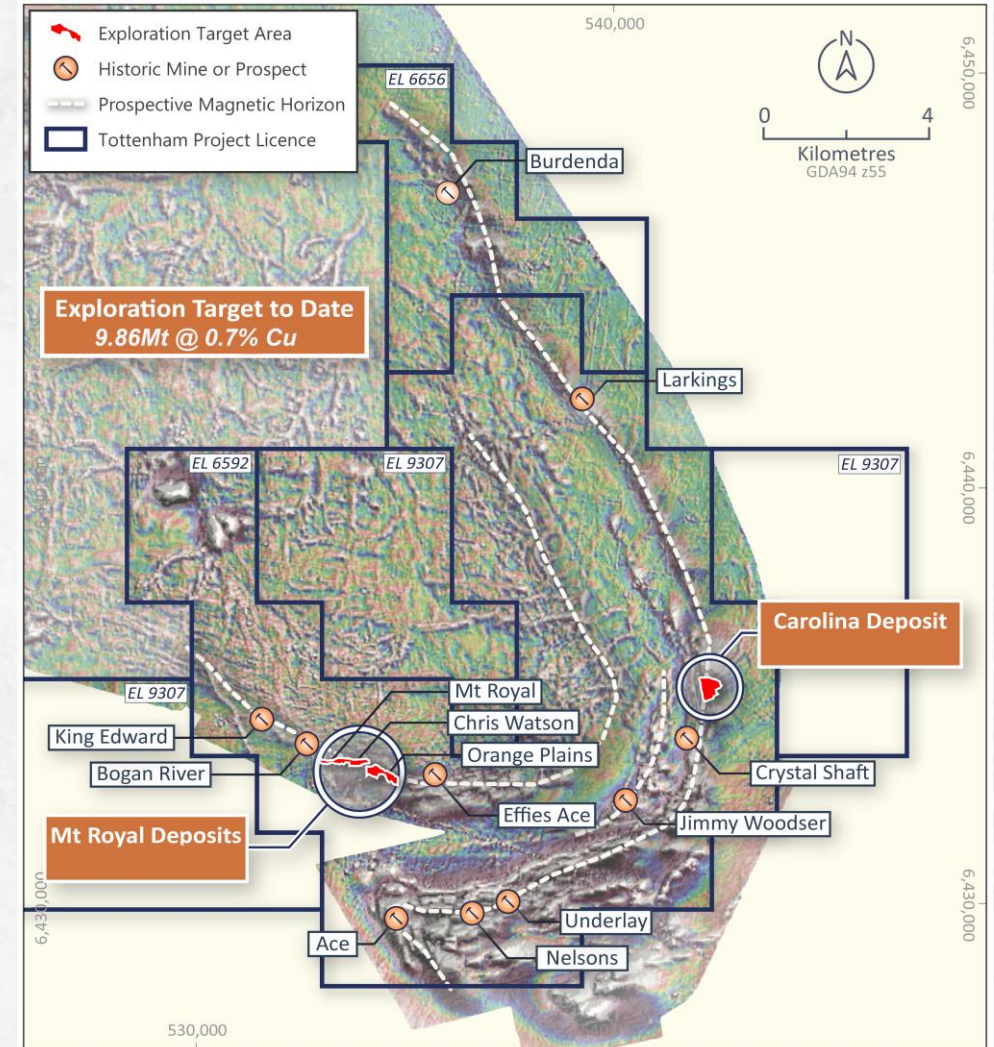
Underlay

2m @ 3.7% Cu 0.8g/t Au from 35m (TPRC045)

Burdenda

14m @ 0.31% Cu from 33m (TMAC003)

Outside of the known resources are multiple, poorly tested EM/soil/magnetic anomalies and 50km of near surface mineralised horizon.



Tottenham area magnetic image and prospective horizons

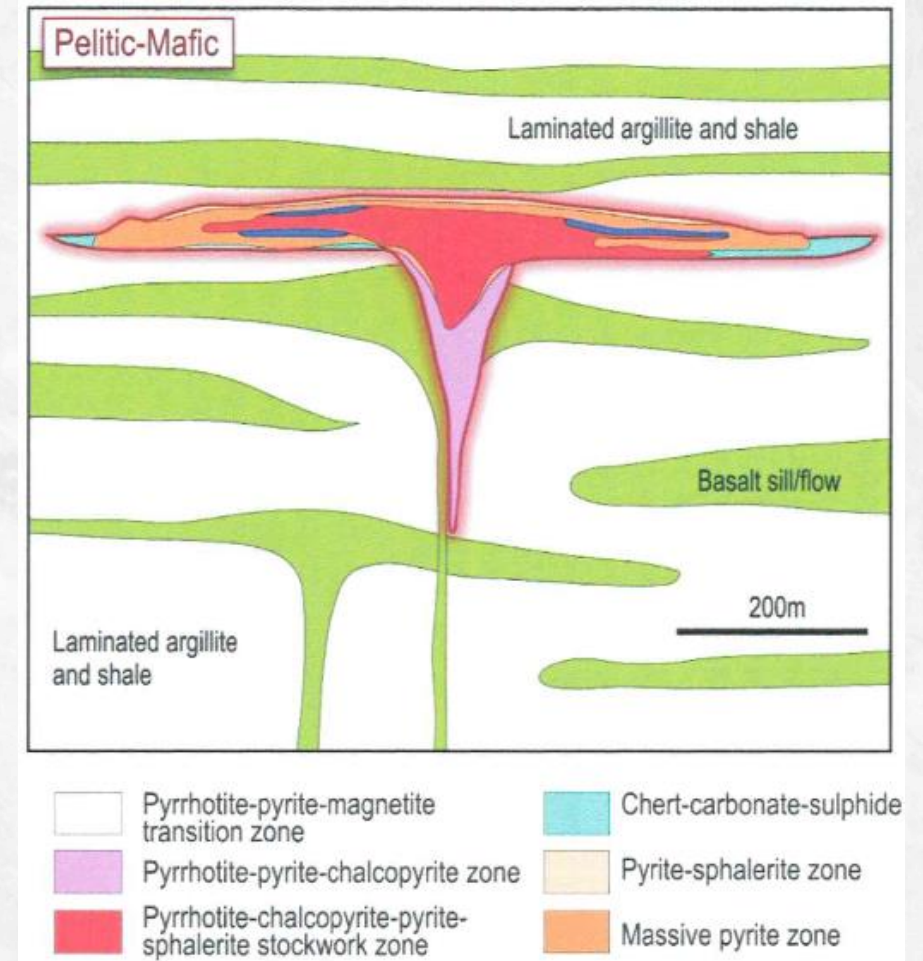
Beshhi Type Cu/Au/Zn/Ag Deposits

Tottenham Deposits

are considered to be Beshhi - Type sulphide Cu-Au-Zn deposits, modified by deformation. Beshhi - Type deposits are named after deposits on the southern Japanese island of Shikoku. The mineralisation in these systems is **typically copper-rich** with lesser zinc, silver, gold and minor cobalt within well-developed iron-sulphide (pyrite / pyrrhotite) bodies. The host rocks are commonly sedimentary rocks, and, as at Tottenham, these have been interlayered with basaltic igneous rocks. Mineralised horizons tend to be **narrow but extensive**. The best copper and zinc grades are typically proximal to the source of the fluids that formed these bodies – possibly “black smokers” erupting from the sea floor, driven by underlying igneous activity. Alternatively, unconsolidated sediments may be impregnated by metal bearing solutions below the sea floor. Deposits range in size from <1Mt to 200Mt and **often occur in clusters** such as at Girilambone and Tottenham.

Substantial Beshhi - Type Deposits include:

- Beshhi (Japan) 30Mt @ 2.5% Cu, 0.3% Zn, 0.2g/t Au
- Ducktown (USA) 163Mt @ 1.0% Cu, 0.9% Zn
- Windy Craggy (Canada) 198Mt @ 1.8% Cu, 0.2g/t Au
- Britannia (Canada) 48Mt @ 1.9% Cu, 0.7% Zn, 0.7g/t Au
- Soucy (Canada) 4.3Mt @ 1.4% Cu, 1.1% Zn, 2g/t Au



Schematic layout of Beshhi - Type deposits.

Tottenham Resource 2022

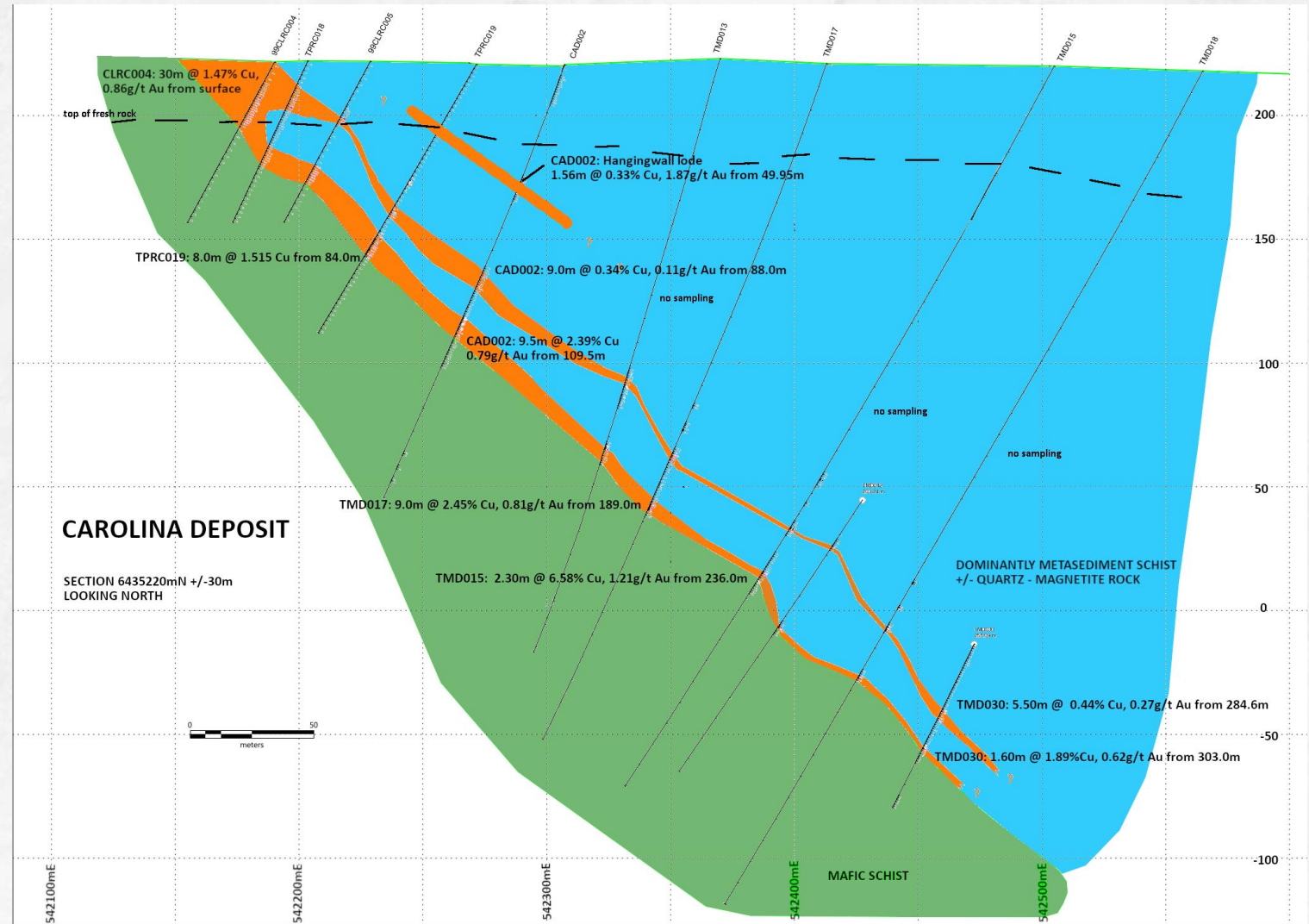
Prospect	Tonnes (Mt)	Cu (%)	Cu (kt)	Au (g/t)	Au (koz)	Ag (g/t)	Ag (koz)
Carolina	2.68	1.1	29.2	0.4	33	1	109
Mount Royal	7.18	0.6	41.6	0.2	34	2	402
Total	9.86	0.7	71	0.2	66	2	511

*Tottenham, inferred mineral resource estimate above a 0.3% Cu cutoff.
 Note discrepancies may occur due to rounding. Figures rounded to the nearest 10,000 tonnes, 0.1% Cu grade,
 0.1 g/t Au grade, 1g/t Ag grade, 1000 copper tonnes, 1000 ounces gold, and 1000 ounces silver.*

Carolina Deposit

Carolina is the **most consistently mineralised deposit** containing **significant intersections** such as:

- 20m @ 2.1% Cu, 0.4g/t Au from 10m (CLRC004)
- 2.18m @ 11.2% Cu, 2.8g/t Au from 184.6m (TMD002)
- 1.35m @ 11.3% Cu, 2.1g/t Au from 236.9m (TMD015)
- 4.19m @ 5.7% Cu, 1.6g/t Au from 190.8m (TMD017)

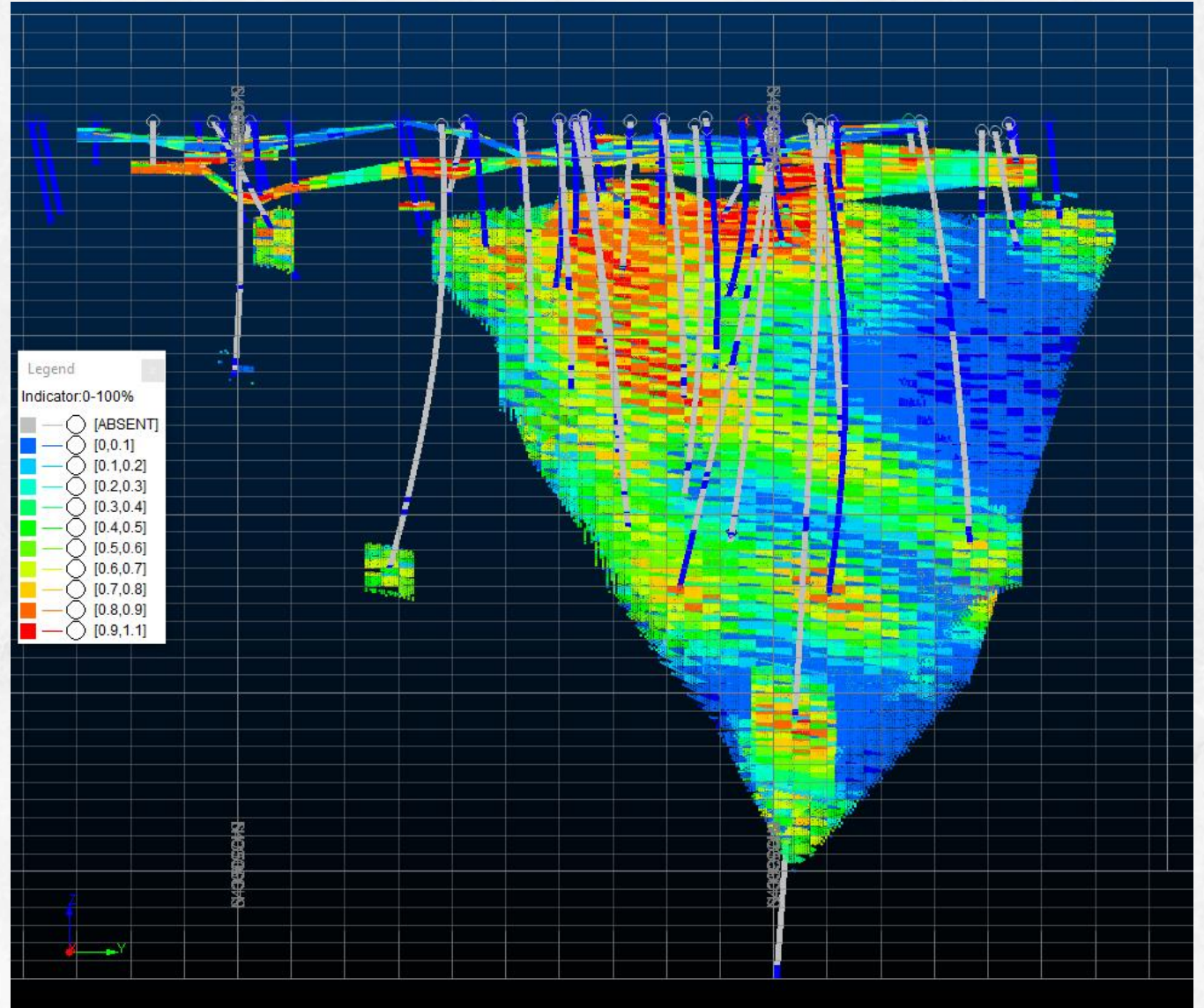


Carolina Deposit

Carolina Resource of;

**2.68Mt at 1.1% Cu, 0.4 g/t Au & 1 g/t Ag
for 29.2Kt Cu and 33koz Au & 109koz Ag.**

Deposit remains open to the **north** and
at **depth**.



Visual validation of drill holes against model grade
(Source: SnowdenOptiro)

Mount Royal – Orange Plains Deposit

Largest mine in the field with

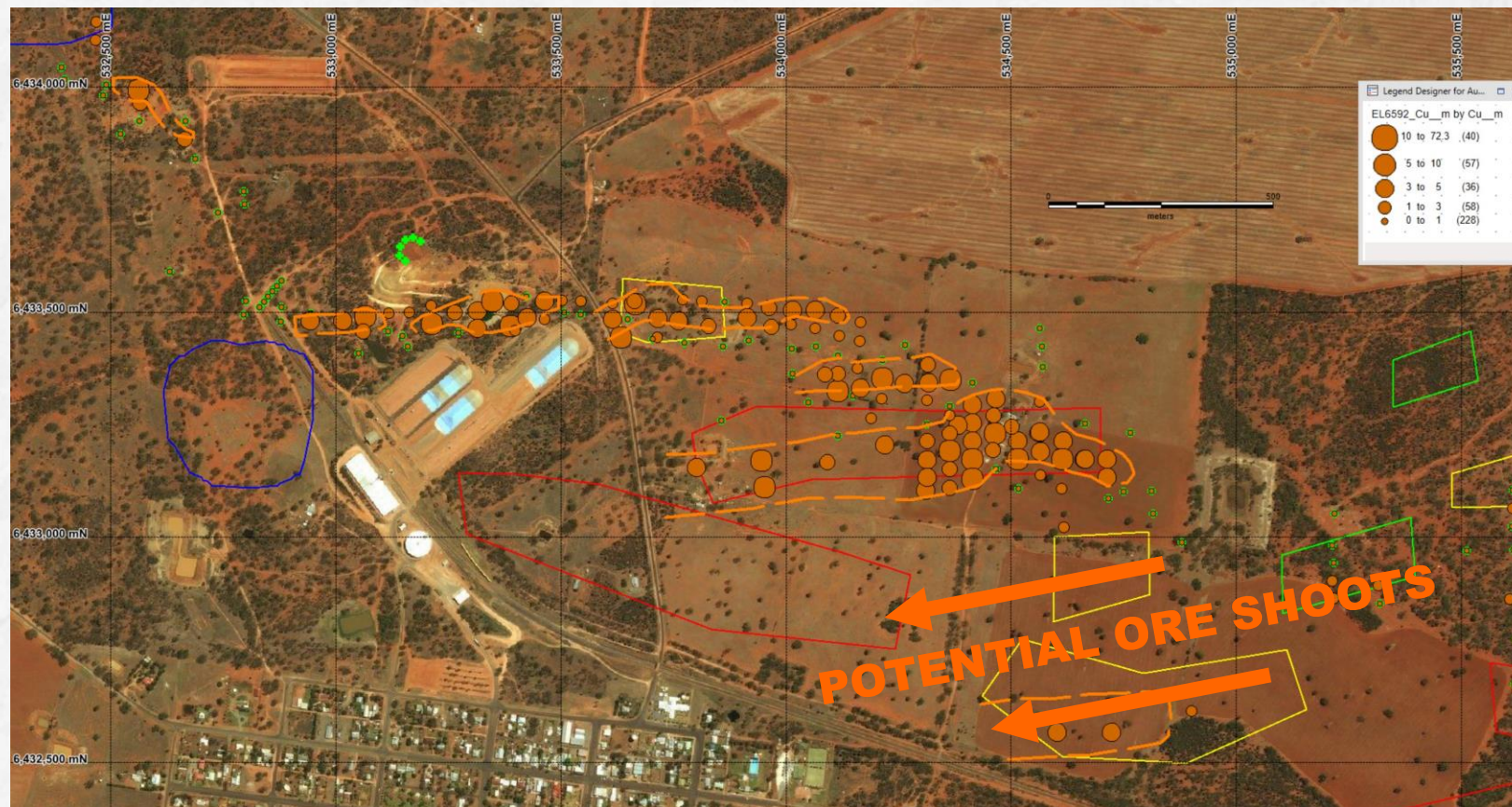
workings to 106.5m, (350')

Site of the main historic smelter.

55km railway extension built from Tullamore to service this mine in 1916, remains in place for grain transport.

Mineralisation occurs as west plunging sulphide shoots with **significant extension potential.**

EM and Drilling indicate **two** more potential sulphide shoots.

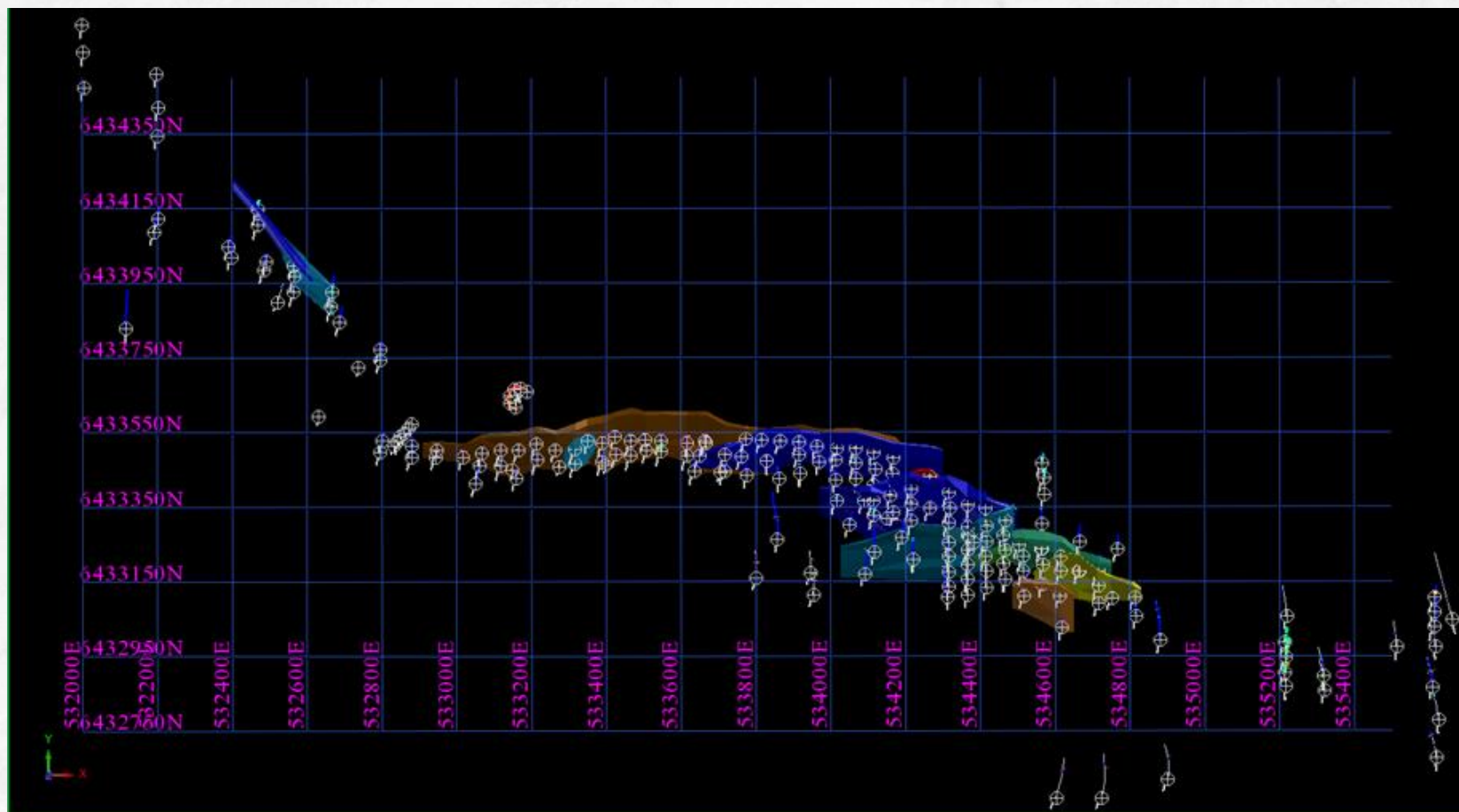


Tottenham area, %m Cu accumulation plot with 3% m Cu outline

Mount Royal – Orange Plains Deposit

JORC 2012 Compliant Resource

**7.18Mt at 0.6% Cu, 0.2g/t Au &
2g/t Ag for 41.6kt Cu and 34koz
Au & 402koz Ag.**



Tottenham area, drilling and resource domains

Bogan River Mine

Bogan River is a **high grade**, historic mine, 2km north of Tottenham.

Mine developed to **70m** vertical.

Area faulted continuation of Mount Royal Deposit.

Mineralisation disrupted by N-S faulting. All drilling north directed, hence faulting poorly located.

Much of the historic drilling **too shallow** to adequately test mineralisation.

Best result

16m @ 6.94% Cu from 3m (TPRC043)

Area for infill drilling to define **additional resources**.



Jimmy Woodser

Jimmy Woodser is a **historic mine**, 6km east of Tottenham.

Abundant azurite, malachite, tenorite, pyrite, chalcopyrite, bornite on mine dumps. Malachite in former railway cutting to east of North Shaft.

Broad low grade intercepts in **all 7 previous drill holes**.

Best result

24m @ 0.73% Cu from 32m (TPRC057)

Historic EM and IP interfered with by grounded fences.

VTEM anomaly potentially down plunge of old workings and drill intercepts. **Untested by drilling.**

VTEM anomaly coincident with 1970 IP anomaly.



Ace Mine

The Ace Mine is a **historic mine** 3km south of Tottenham.

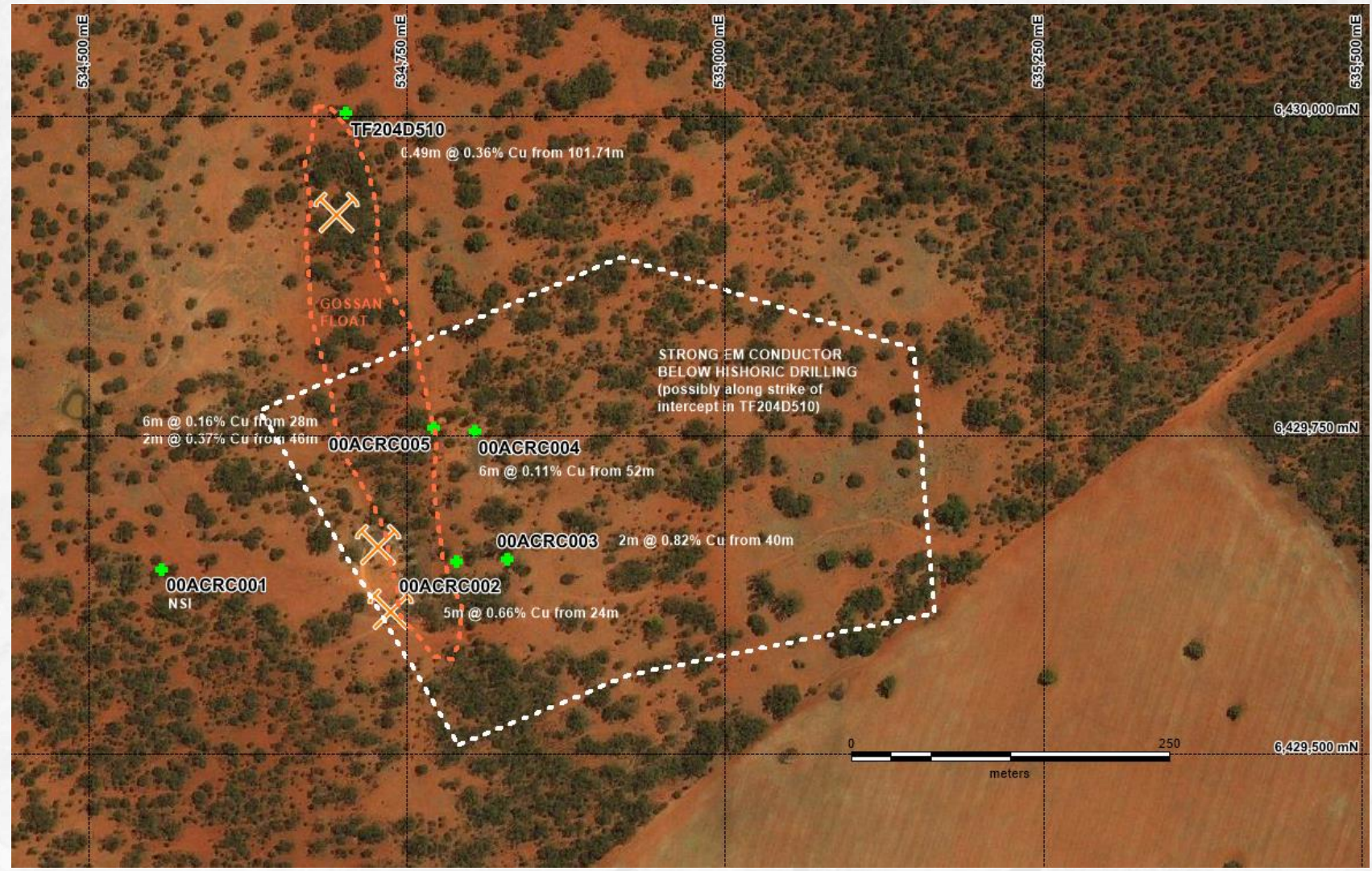
Workings developed to **98m**.

No drilling since **shallow RC in 2000**, before EM surveys.

Historic RC tested immediately about old workings.

Strong untested EM conductor below previous drilling that may be along strike from intercept in TF204D510.

Priority diamond drill target.



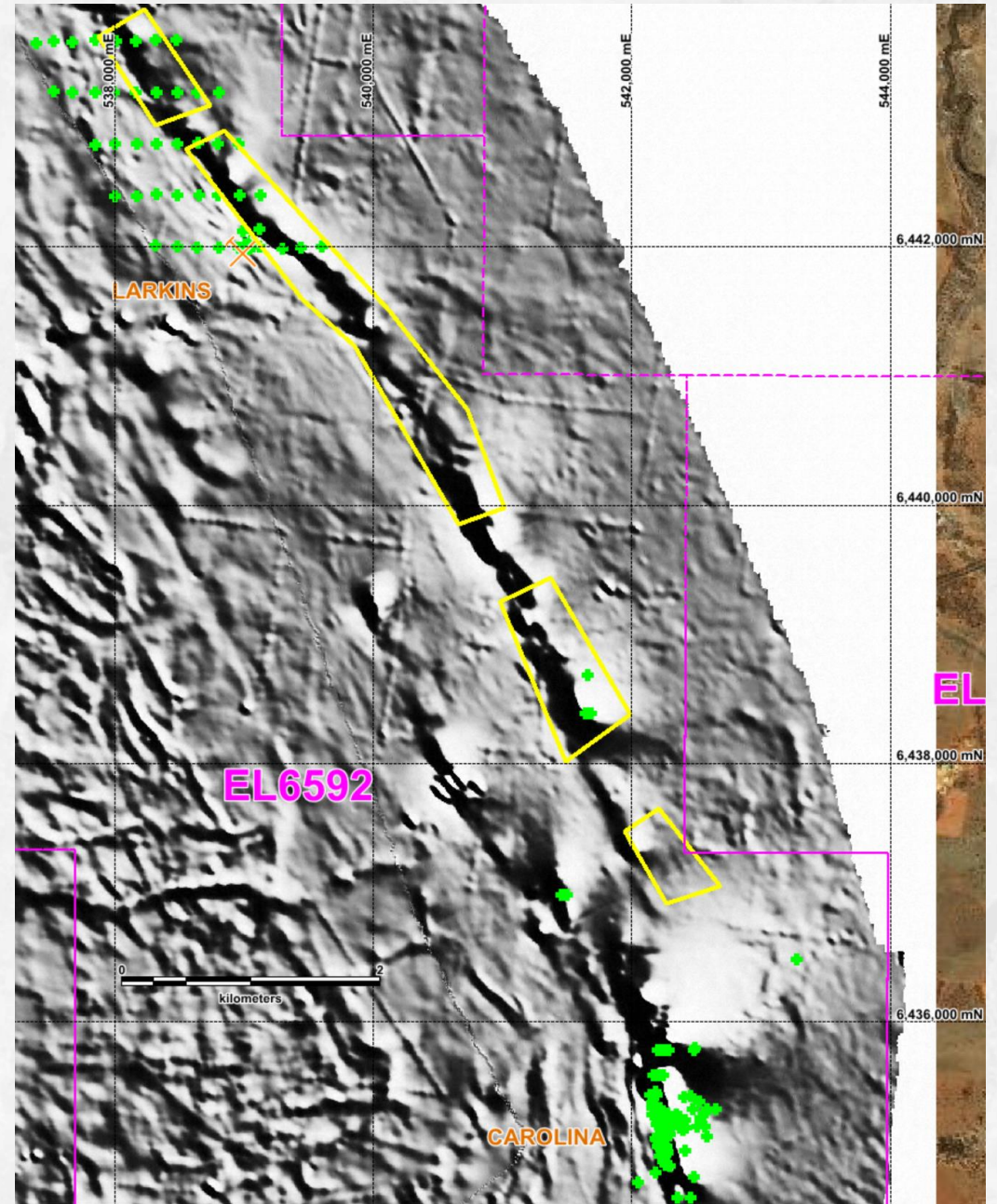
Carolina to Larkins

Continuous **10km** long zone of coincident magnetic and airborne VTEM anomalies to the north of the Carolina Deposit.

Area largely under cover.

Very **sparsely tested** with deepest hole only 138m.

Total magnetic intensity background with interpreted VTEM anomalies (yellow polygons). Green crosses represent previous drill holes.



Burdenda

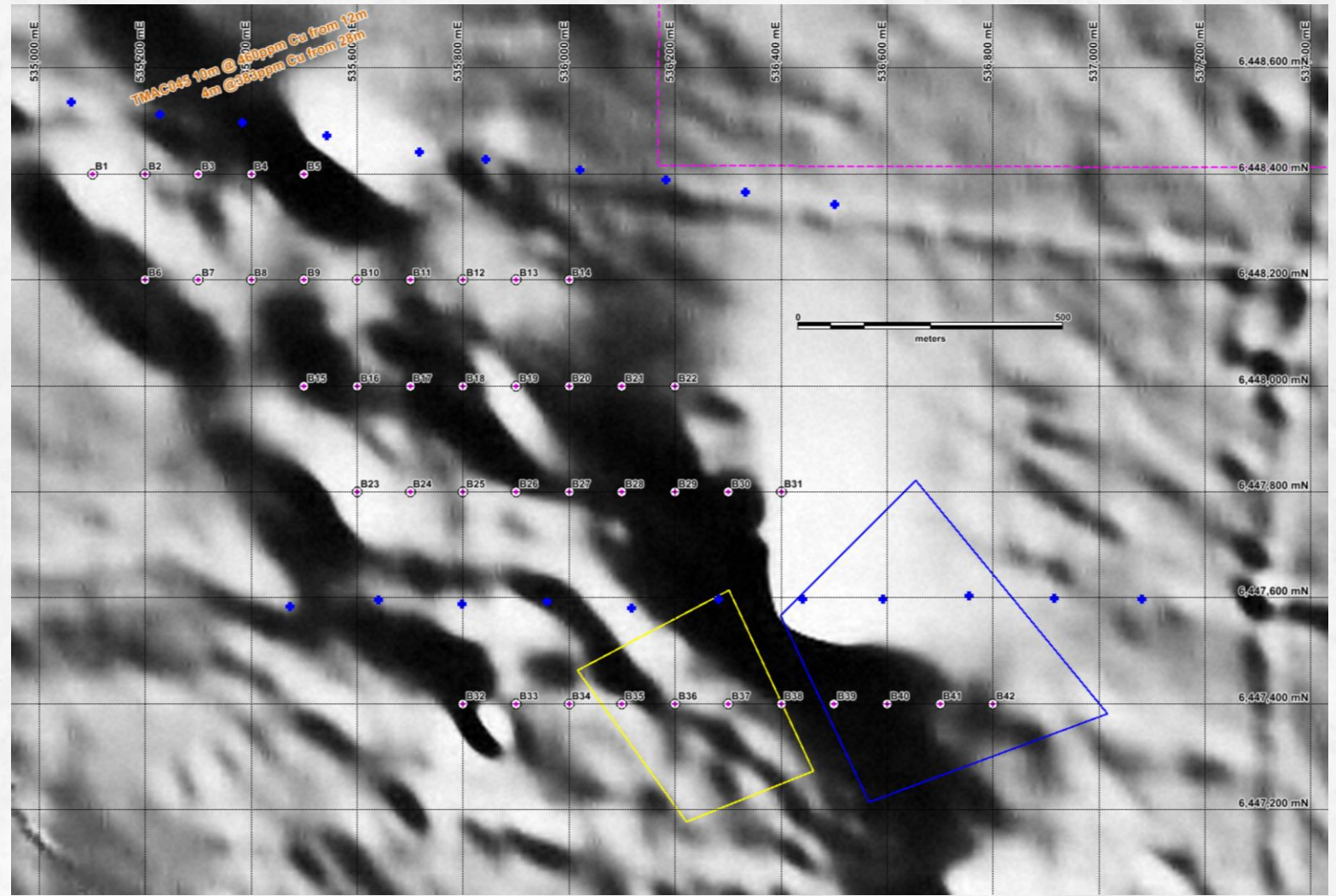
Anomalous Geochemistry

Magnetic and electromagnetic (EM) anomalies present on EL6656.

Area along trend from Carolina and Larkins prospects.

Previous hole TMAC045 returned elevated copper and zinc with 10m @ 460ppm Cu from 12m and 4m @ 383ppm Cu from 28m.

Drilling in May.



Reduced to pole magnetics, previous Mincor aircore drilling, airborne EM anomalies and proposed Locksley aircore. (MGA94 zone 55)

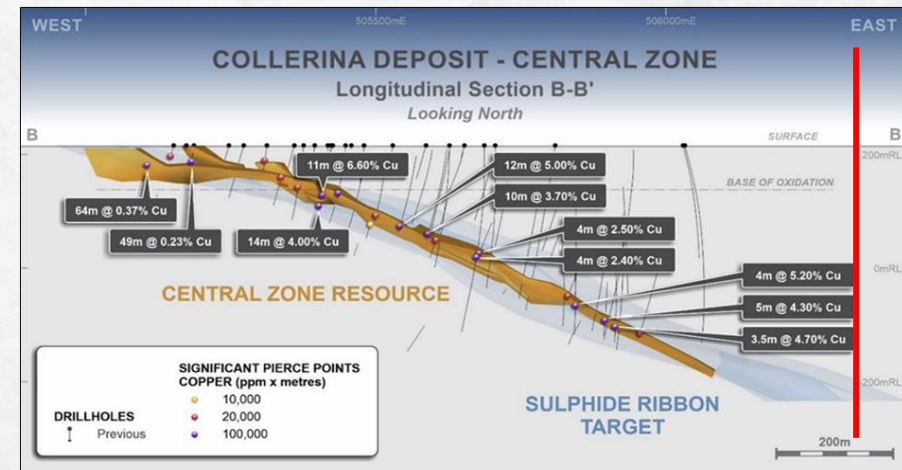
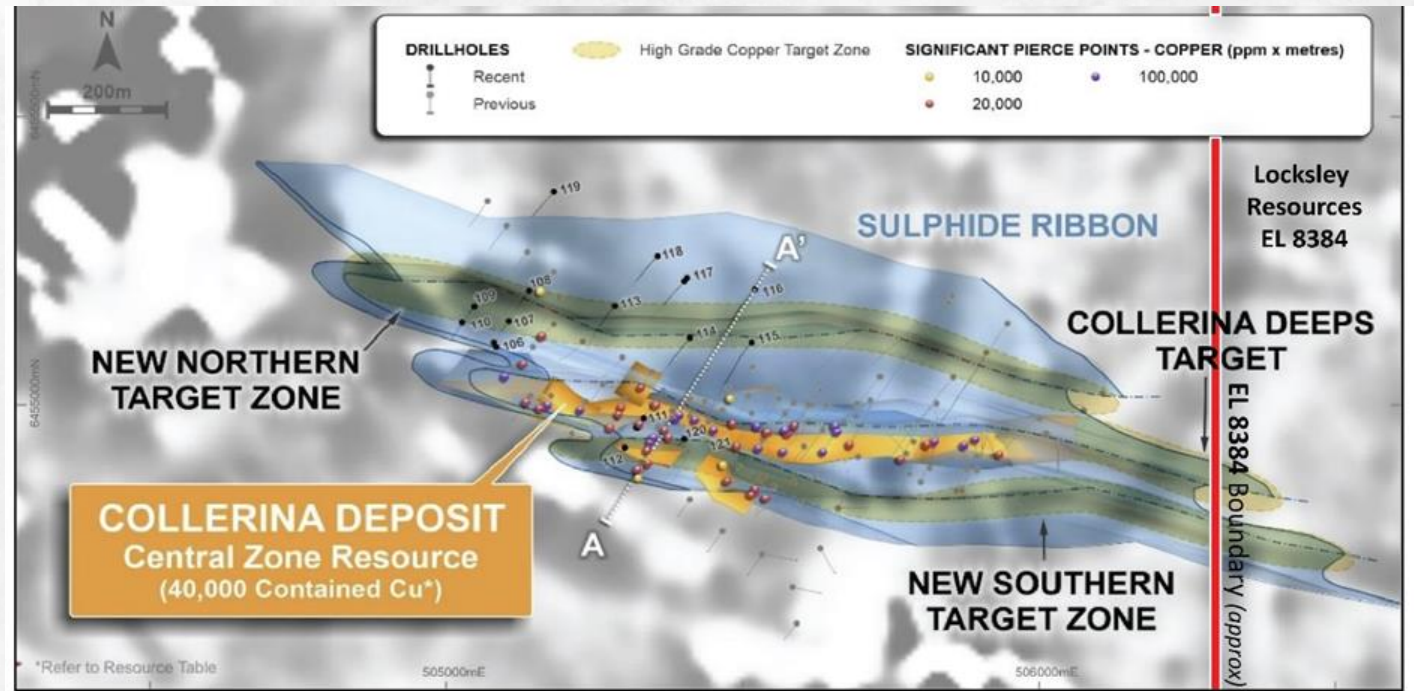
CZ Deposit Depth Extensions

The adjoining tenement CZ Deposit (*Helix*) lies just to the west of Locksley's EL8384, **35km NW of Tottenham** and has a current announced resource of

2.03 Mt @ 2.0% Cu 0.3g/t Au

(HLX ASX release 11 June 2019, Interim Maiden Resource at Collerina Copper Project)

The currently defined deposit is trending directly onto EL8384 and is projected to cross onto EL8384 at a depth of approximately **450m below surface**.



Plan view of the CZ Deposit, showing the current resource (orange) within the new sulphide ribbon (blue) interpretation. EL8384 boundary has been superimposed on the image. Image from ASX:HLX 24th March 2020. Schematic long section of the Collerina Central Zone Resource. Image from ASX:HLX 25th May 2020

Locksley's Growth Strategy

Organic / Exploration Growth

- Multiple Geophysics Anomalies
- Multiple Exploration Targets
- Significant exploration potential, with resources that remain open
- Active Exploration Program for 2022, including, airborne EM, gravity surveys, air-core drilling, RC drilling and diamond drilling
- Scoping studies including environmental, community, metallurgical and resources

Inorganic Growth

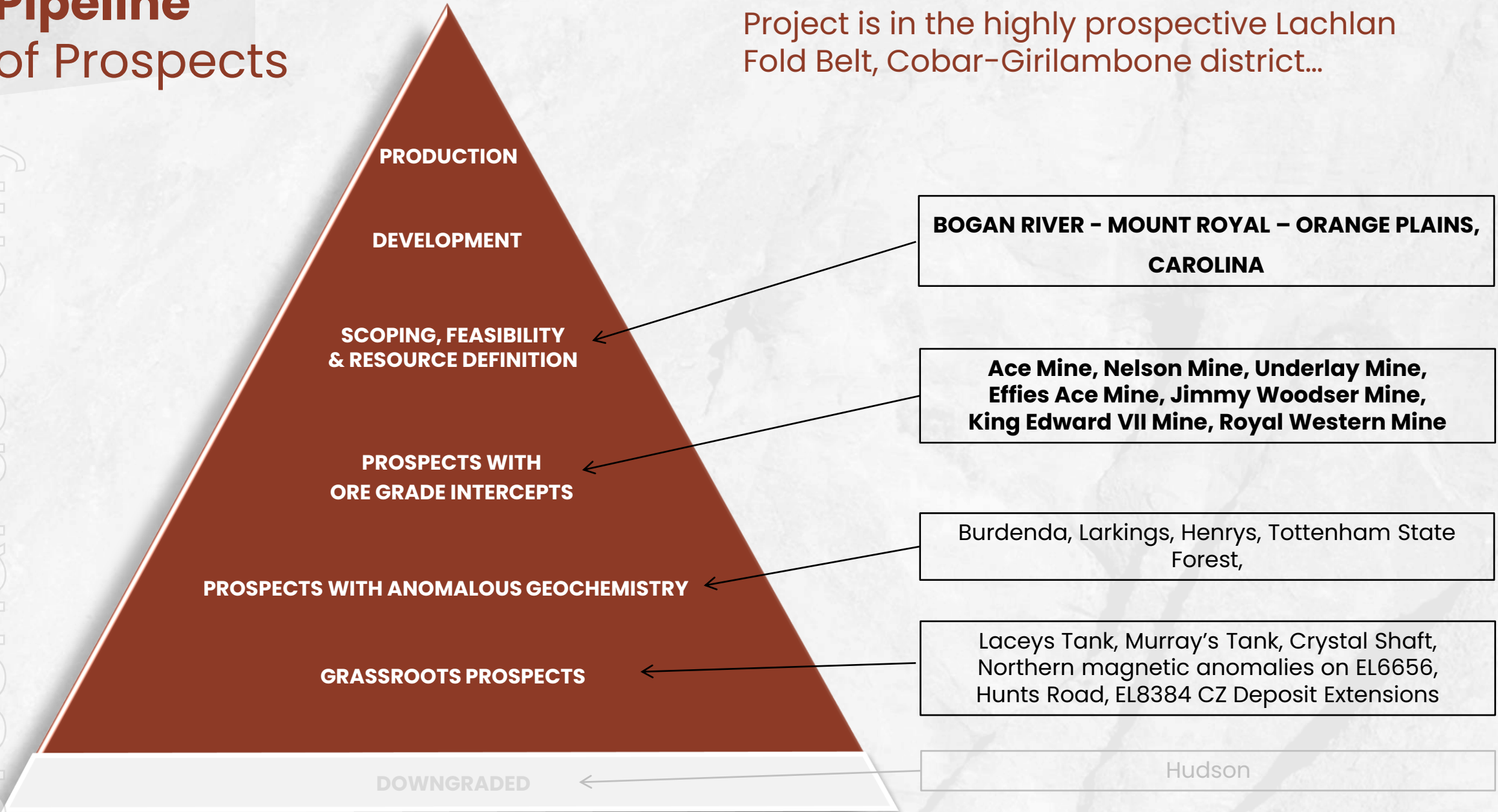
- Land acquisitions
- Project acquisitions
- Global Copper supply deficit looming



Pipeline of Prospects

Project is in the highly prospective Lachlan Fold Belt, Cobar-Girilambone district...

ersonal use only



Contact

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Locksley Resources Limited
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E – woodhams@locksleyresources.com.au

APPENDIX A – Regional Producers and Deposits

Locksley Resources¹

- www.locksleyresources.com.au
- ASX announcement – 1 April 2022

CSA Mine²

- www.glencore.com.au
- 2021 Reserves and Resources Report

PEAK GOLD OPERATIONS³

- www.aureliametals.com.au
- 2021 Annual Report

HERA / FEDERATION GOLD, BASE METALS⁴

- www.aureliametals.com.au
- ASX announcement – 23 July 2021

WONAWINTA⁵

- www.manukaresources.com.au
- Resources Report in 2021 Annual Report

PEEL MINING LTD⁶

- www.peelmining.com.au
- ASX announcement – 29 November 2021 & 2021 Annual Report

MT BOPPY GOLD⁷

- www.manukaresources.com.au
- Resources Report in 2021 Annual Report

CZ copper deposit⁸

- www.helixresources.com.au
- ASX announcement – 2 September 2021

MINERAL Hill⁹

- www.kingstonresources.com.au
- ASX announcement – 18 November 2021

TRITTON COPPER OPERATIONS¹⁰

- www.aerisresources.com.au
- ASX announcements – 3 August 2021, 1 December 2021 & 16 December 2021 & 2021 Annual Report

HOMEVILLE Ni-Co DEPOSIT¹¹

- www.helixresources.com.au
- ASX announcement – 2 September 2021

Tomingley¹²

- www.alkane.com.au
- ASX announcement – 15 July 2021

North Parkes¹³

- www.northparkes.com.au

Historic ASX Announcements

- ❖ Exploration Update ASX: LKY 1 April 2022
- ❖ 9.8Mt RESOURCE AT TOTTENHAM ASX: LKY 1 April 2022
- ❖ QUARTERLY ACTIVITIES REPORT AND APPENDIX 5B: LKY 31 January 2022
- ❖ EXPLORATION UPDATE: LKY 19 January 2022
- ❖ TOTTENHAM DRILLING RESULTS SUPPORT RESOURCE DEFINITION: LKY 25 November 2021
- ❖ GRANT OF EL9307 EXPLORATION UPDATE ASX: LKY 26 October 2021
- ❖ RC DRILLING COMMENCES AT THE TOTTENHAM COPPER PROJECT & EXPLORATION UPDATE ASX: LKY 30 September 2021
- ❖ LOCKSLEY RESOURCES EXPLORATION UPDATE DRILLING COMMENCES AT TOTTENHAM ASX: LKY 24 August 2021
- ❖ LOCKSLEY RESOURCES PROSPECTUS 6 July 2021
- ❖ TOTTENHAM JV MINERAL RESOURCES – ANNUAL UPDATE ASX: MCR 10 September 2018
- ❖ TOTTENHAM JV EXPLORATION DRILLING UNDERWAY ASX: MCR 9 March 2018
- ❖ TOTTENHAM COPPER JOINT VENTURE ADVANCES ASX: MCR 27 November 2017
- ❖ HIGH GRADE DRILLING RESULTS AT TOTTENHAM COPPER PROJECT, NSW ASX: MCR 21 September 2017
- ❖ TOTTENHAM JV DRILLING UNDERWAY ASX: MCR 3 July 2017
- ❖ TOTTENHAM EARN-IN AND JOINT VENTURE ASX: MCR 17 February 2016
- ❖ EXPLORATION UPDATE: COPPER AND GOLD AT TOTTENHAM ASX: MCR 31 March 2011
- ❖ HIGH-GRADE COPPER-GOLD INTERSECTED IN EARLY DRILLING AT TOTTENHAM, NSW ASX: MCR 17 February 2011
- ❖ MINCOR INTERSECTS WIDESPREAD COPPER MINERALISATION AT TOTTENHAM PROJECT, NSW ASX: MCR 9 October 2007