



**ORANGE**  
MINERALS NL

(ASX: OMX)

*Orange is the new Gold.*

Investor Presentation

May 2022

GOLD AND BASE  
METALS EXPLORER

PROJECTS IN  
WORLD CLASS  
REGIONS  
(NSW AND WA)

RECENT DRILLING  
CONFIRMS  
HIGH GRADE GOLD

DIAMOND DRILL  
CAMPAIGN IN  
PROGRESS

STRONG CASH  
POSITION FOR  
GROWTH



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## Competent Person’s Statement – Exploration Results

The information in this report that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Phil Shields, a Competent Person who is a Member of the Australian Institute of Geoscientists. Mr Shields is an employee of Orange Minerals NL 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 Resources and Ore Reserves. Mr Shields consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

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, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the original market announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the competent persons findings have not been materially modified from the original announcement.

# HIGHLIGHTS - Significant exploration results - next door to world class gold deposits



- ✓ Gold and base metals exploration in two major regions – Lachlan Fold Belt (NSW) and Eastern Goldfields (WA).
- ✓ Experienced team with a background in Lachlan Fold Belt exploration projects.
- ✓ Two key exploration assets – Calarie and Wisemans Creek.
- ✓ Calarie:
  - Located close to major (1Moz+) gold projects.
  - 1900s era mine - shallow high grade (30g/t) gold production.
  - 2021 RC drill campaign confirmed historic high grade deposit:
    - 21m @ 4.5g/t Au from 34m
    - 5m @ 13.5g/t Au from 143m
  - Deposit open along strike and at depth.
- ✓ Wisemans Creek:
  - Gold, silver, copper, zinc and lead mineralisation.
  - Term sheet entered into to acquire 100% of the tenement from Godolphin Resources in March 2022.
  - 1900s era gold and silver production.
  - Historic drill results indicate gold and base metals mineralisation.
  - Diamond drilling currently in progress.



## CAPITAL STRUCTURE

ASX Code	OMX
Share Price (20 May 2021)	\$0.11
Shares on Issue	81,990,000
Market Cap	\$9.02M
Options	11,350,000
Monthly Average Volume	112,427
Cash (31 March 2022)	AUD\$6.1M
Debt	Zero



Figure 1 - OMX 3 Month Share Price Chart

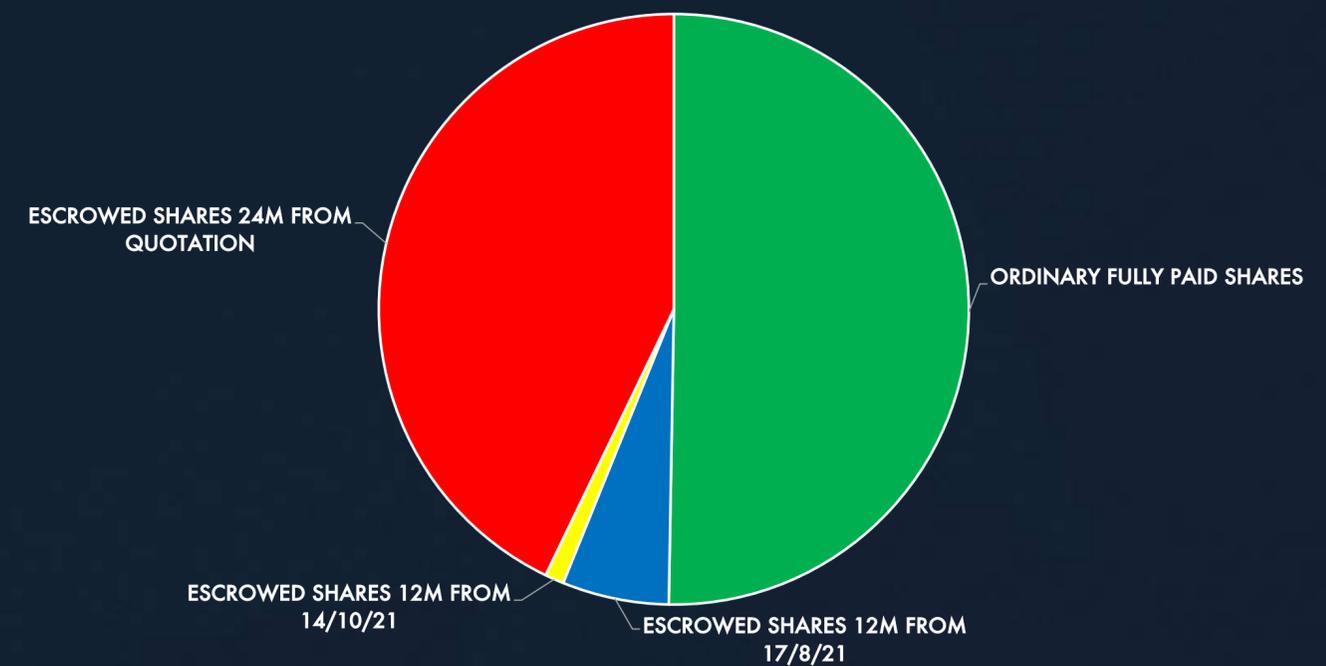


Figure 2 - Ordinary and Escrowed Shares



## MANAGING DIRECTOR

### David Greenwood

David Greenwood has an in-depth knowledge and more than 35 years' broad based experience in the resources industry across a range of commodities including precious metals, base metals, industrial minerals, mineral sands, and bulk commodities. Mr Greenwood was Executive General Manager for Straits Resources Ltd, where he was responsible for exploration, marketing, corporate affairs, investor relations and investments. Mr Greenwood has held board positions with junior resource companies, including President (CEO) of Goldminco Corporation. Mr Greenwood is currently a non-executive director of Argent Minerals Ltd (ASX:ARD) and Askari Metals Ltd (ASX:AS2).



## NON-EXECUTIVE CHAIRMAN

### Campbell Smyth

Mr Smyth has over 25 years of experience in the fund management, capital markets and corporate finance of the venture capital and resource sectors. He is a graduate of the University of Western Australia, (Bachelor of Commerce) and postgraduate of Pembroke College, Oxford. He is currently director of Orange Minerals NL (ASX:OMX), GoldOz Ltd (ASX:G79), Nubian Resources (TSXV), and chairman of Norseman Silver (TSXV).



## NON-EXECUTIVE DIRECTOR

### Conrad Karageorge

Conrad Karageorge is a corporate adviser and resources executive with experience in precious and base metals in Australia and Africa. He has degrees in law and commerce and is admitted to practice law in Western Australia. Mr Karageorge is Chief Executive Officer with Amani Gold Limited (ASX:ANL) and has undertaken strategy consulting roles with Argent Minerals Limited, MinRex Resources Limited, Bassari Resources, and Nkwe Platinum. Conrad is non-executive director of gold explorer Orange Minerals NL (ASX:OMX).



## COMPANY SECRETARY

### Johnathon Busing

Mr Busing is currently the founder and director of Everest Accounting and is joint company secretary of Desert Metals Ltd. He specialises in advising ASX listed companies on compliance, mergers and acquisitions, consulting and statutory accounting requirements. Mr Busing was a forensic accountant at RSM before joining Mining Corporate in 2011 and was responsible for multiple ASX listed and unlisted entities. Mr Busing is the current Company secretary for multiple ASX listed entities. Mr Busing is a member of Chartered Accountants Australia and New Zealand and holds a public practice certificate.

# ORANGE MINERALS - PROJECT REGIONS



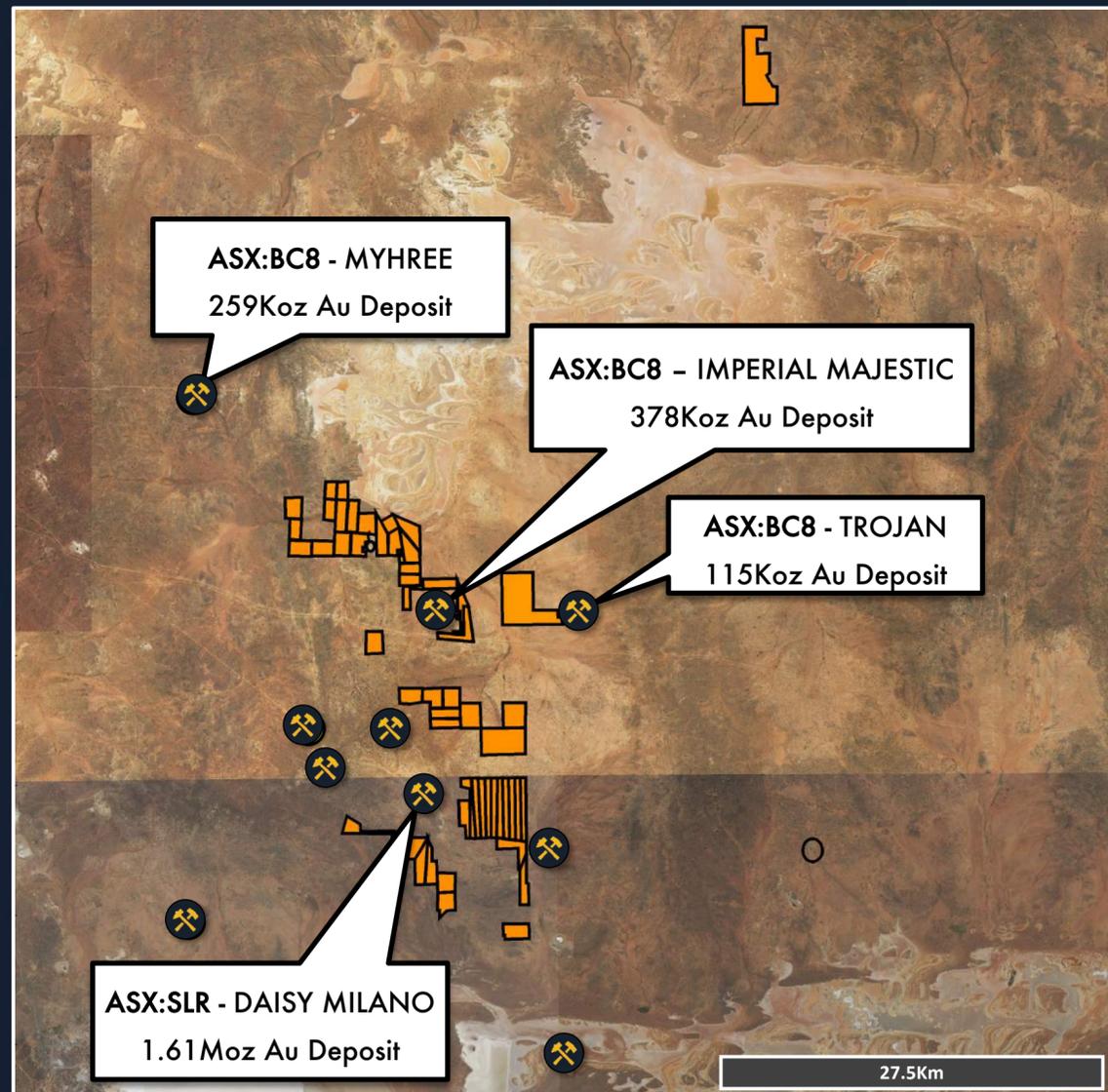
## MAJESTIC AND KURNALPI (WA)

### TENEMENT PORTFOLIO

- 5 Exploration Licences
- 1 Mining Lease
- 30 Prospecting Licences
- 22 Prospecting Licence Applications

### TOTAL AREA

119km<sup>2</sup>



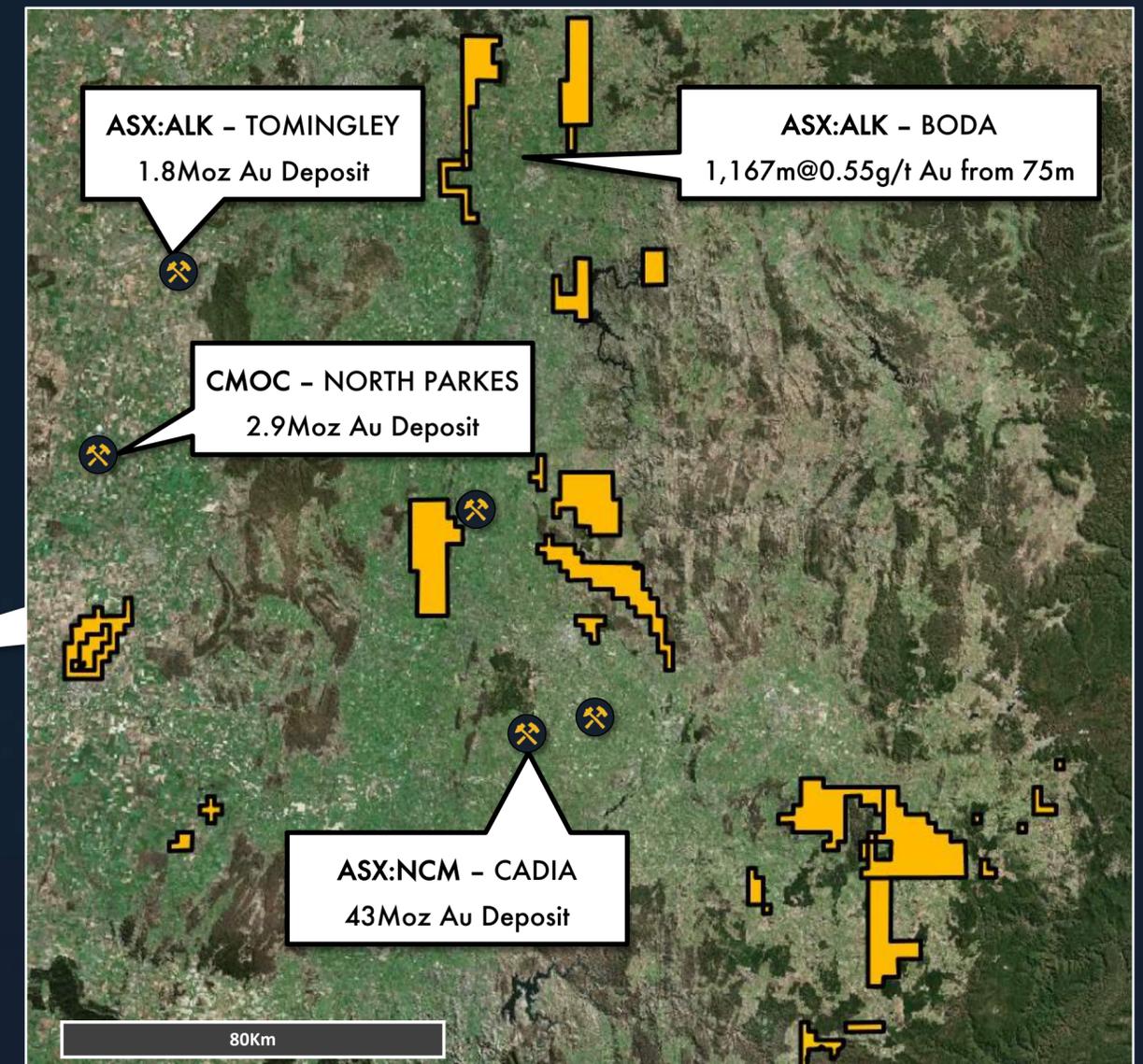
## ORANGE (NSW)

### TENEMENT PORTFOLIO

- 12 Exploration Licences
- 1 Mining Lease
- 1 Exploration Licence Application

### TOTAL AREA

1,605km<sup>2</sup>



# LACHLAN FOLD BELT NSW - A WORLD CLASS GOLD REGION

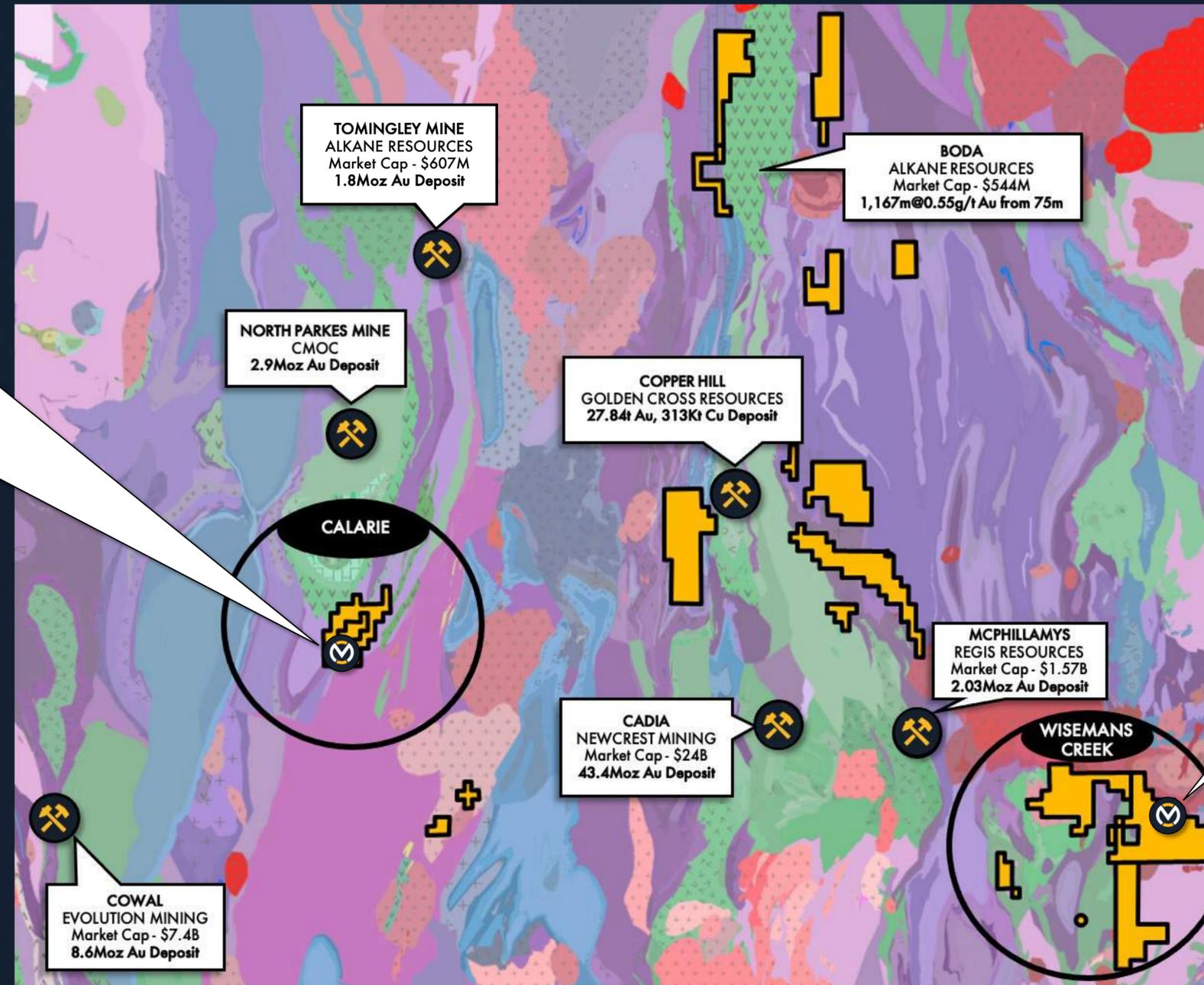


## CALARIE DRILL PROGRAM DECEMBER 2021



### CALARIE

- Located close to major (1Moz+) gold projects.
- 1900s era mine - shallow high grade (30g/t) gold production
- 2021 drill campaign confirmed historic high grade deposit.
- Deposit open along strike and at depth



**ORANGE MINERALS  
PROJECT REGION**



## WISEMANS CREEK DRILL PROGRAM CURRENTLY DRILLING



### WISEMANS CREEK

- Term sheet entered into to acquire 100% of the tenement from Godolphin Resources in March 2022.
- 1900s era gold and silver production
- Historic drill results indicate gold and base metals mineralisation.
- Diamond drilling currently in progress.

# NSW PROJECT - CALARIE



Orange Minerals – one of only two junior explorers on the Junee-Narromine belt.

Calarie is located on the Parkes Thrust Fault along strike of the 2.9Moz North Parkes Mine, 108Koz Peak Hill Gold Mine and the 1.8Moz Tomingley Mine.

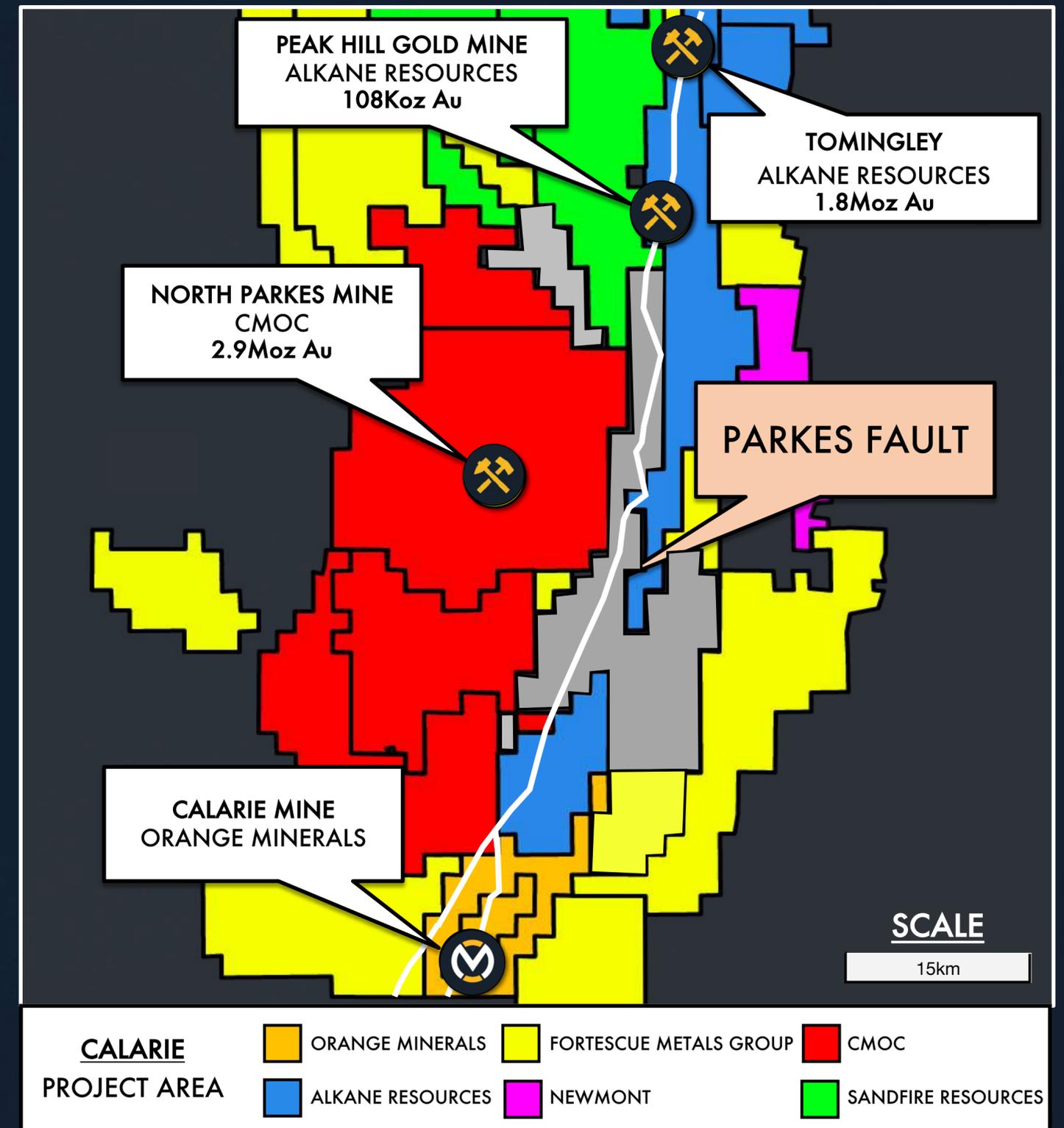
## Along Strike

North Parkes  
Tomingley  
Peak Hill Mine  
Freeport McMoRan  
Sandfire Resources

## Surrounded by

Fortescue Metals Group  
Alkane Resources  
CMOC (Owners of North Parkes Mine)

Fortescue and Alkane have acquired all ground around Calarie in the past 18 months.



# NSW GOLD PROJECT – CALARIE



- 1900s era mine – 40,000oz Au produced.
- Earn in Joint-venture with Godolphin Resources Limited.
- High grade historic drill results include:

## HISTORIC DRILL RESULTS

DRILLHOLE	SIGNIFICANT INTERCEPT
CARC69	16m @ 16.28g/t Au from 98m
CARCD001	9.6m @ 10.61g/t Au from 55.3m
CA030	4m @ 18.50g/t Au from 15m
CARC055	5m @ 12.53g/t Au from 82mm
CAO83	13m @ 6.18g/t Au from 53m

For further information, see ASX announcement 'Excellent Drill Results at Calarie' dated 4 April 2022

- Pre-Feasibility study on Calarie at a USD\$525/oz Au price in 1997.
- Mineralization open along strike and at depth.



# NSW GOLD PROJECT - CALARIE 2021 RC DRILLING



- Ten RC drill holes totalling 1,044 metres were completed at Calarie Project in December 2021
- Drilling was planned to validate historical drill holes and look to extend mineralised horizons intersected in previous drill programs
- High grade results received, significant intercepts below:

## 2021 RC DRILL RESULTS

DRILLHOLE	SIGNIFICANT INTERCEPT
OCRC006	21m @ 4.5g/t Au from 34m
<i>including</i>	1m @ 48.77g/t Au from 42m
OCRC003	14m @ 3.4g/t Au from 112m
OCRC008	5m @ 13.5g/t Au from 143m
OCRC009	2m @ 5.1g/t Au from 94m

For further information, see ASX announcement 'Excellent Drill Results at Calarie' dated 4 April 2022

- Results received give strong confidence that high grade mineralisation extends to depth.
- Planning underway for a number of deeper RC and/or diamond drill holes to test the Calarie mineralisation at depth.

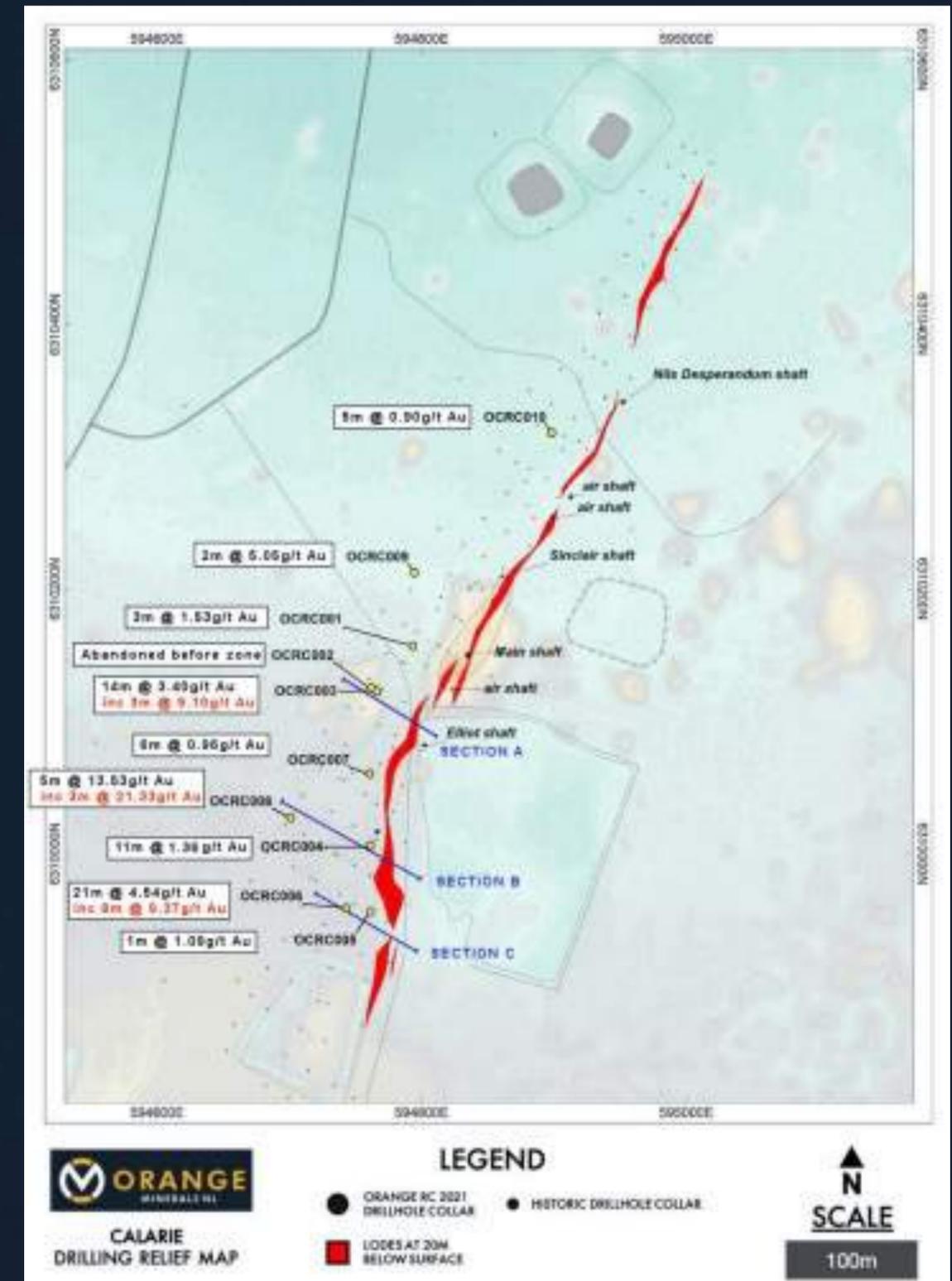


Figure 1 - Map of Calarie Drill Results

# NSW GOLD PROJECT - CALARIE 2021 RC DRILLING

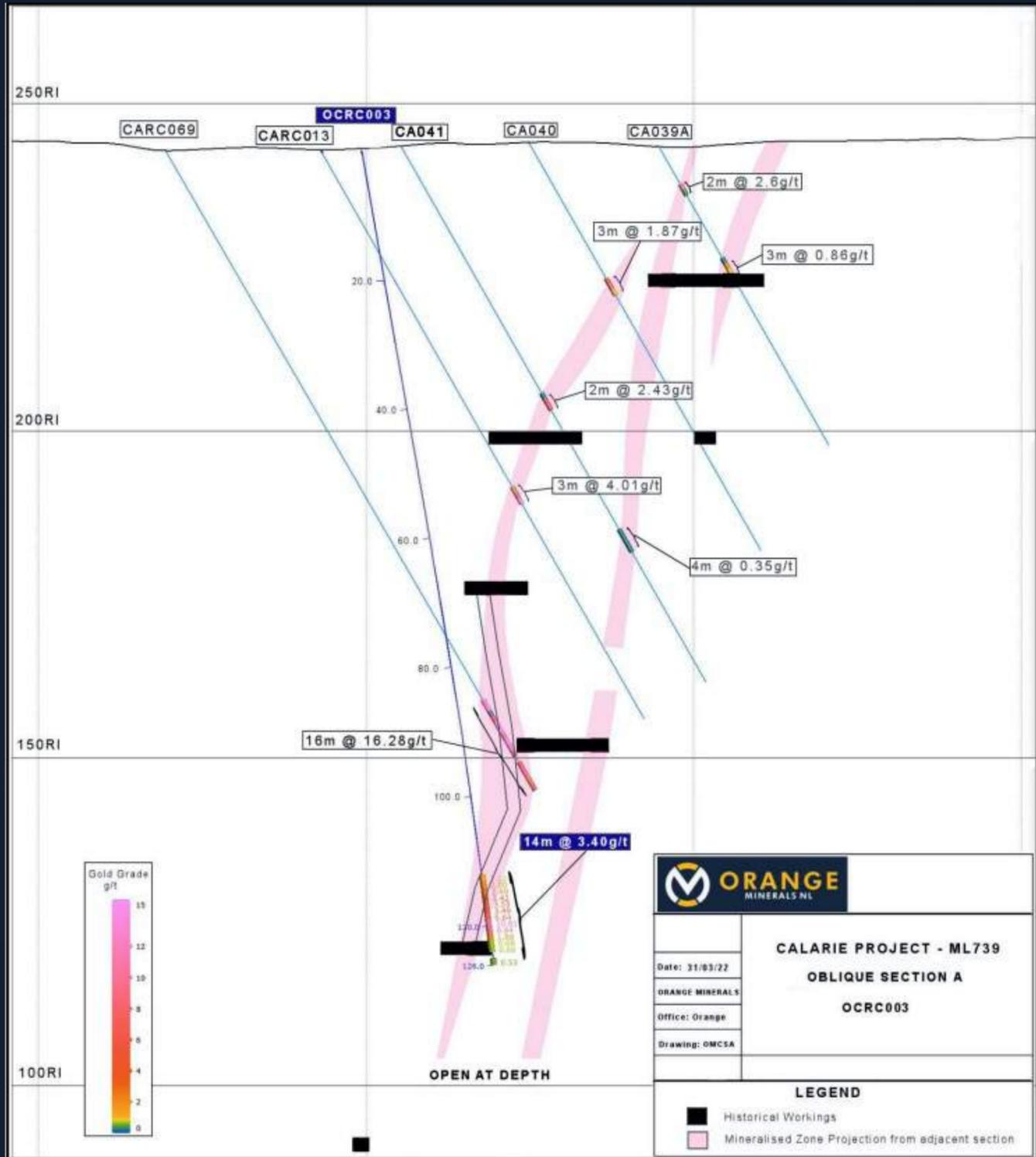


Figure 1 - Calarie Oblique Section A

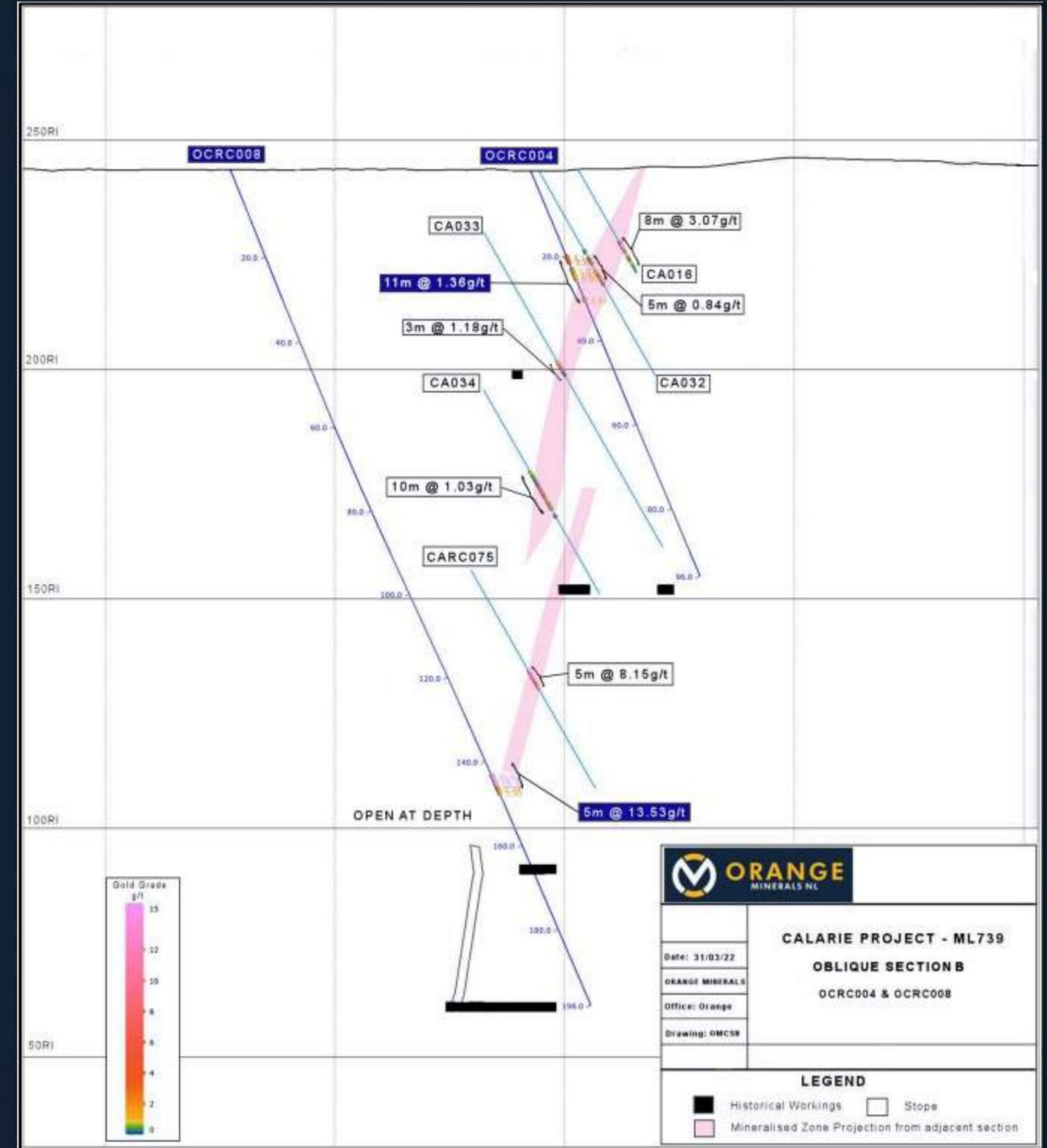
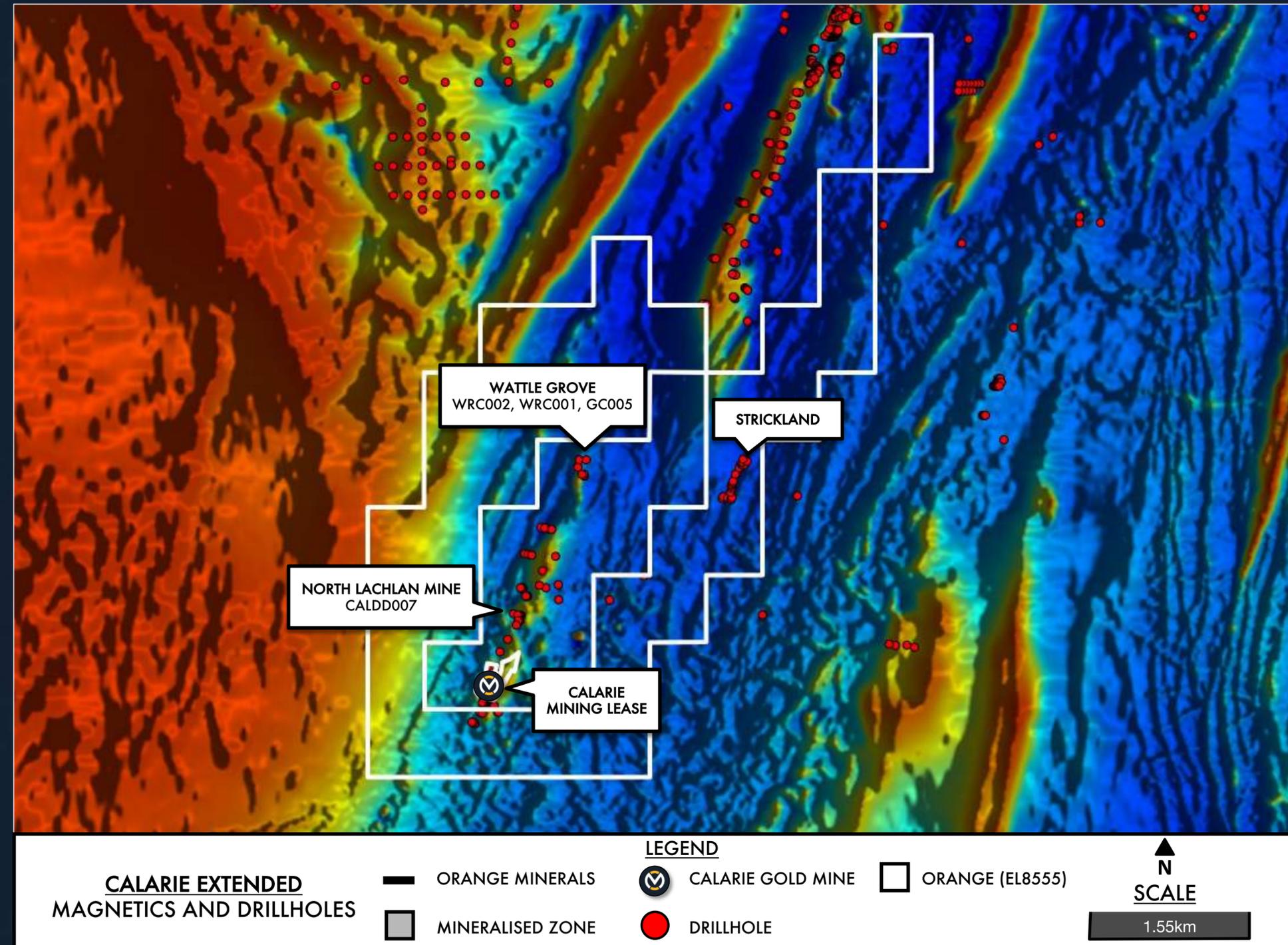


Figure 2 - Calarie Oblique Section B

# NSW GOLD PROJECT – CALARIE EXTENSIONS



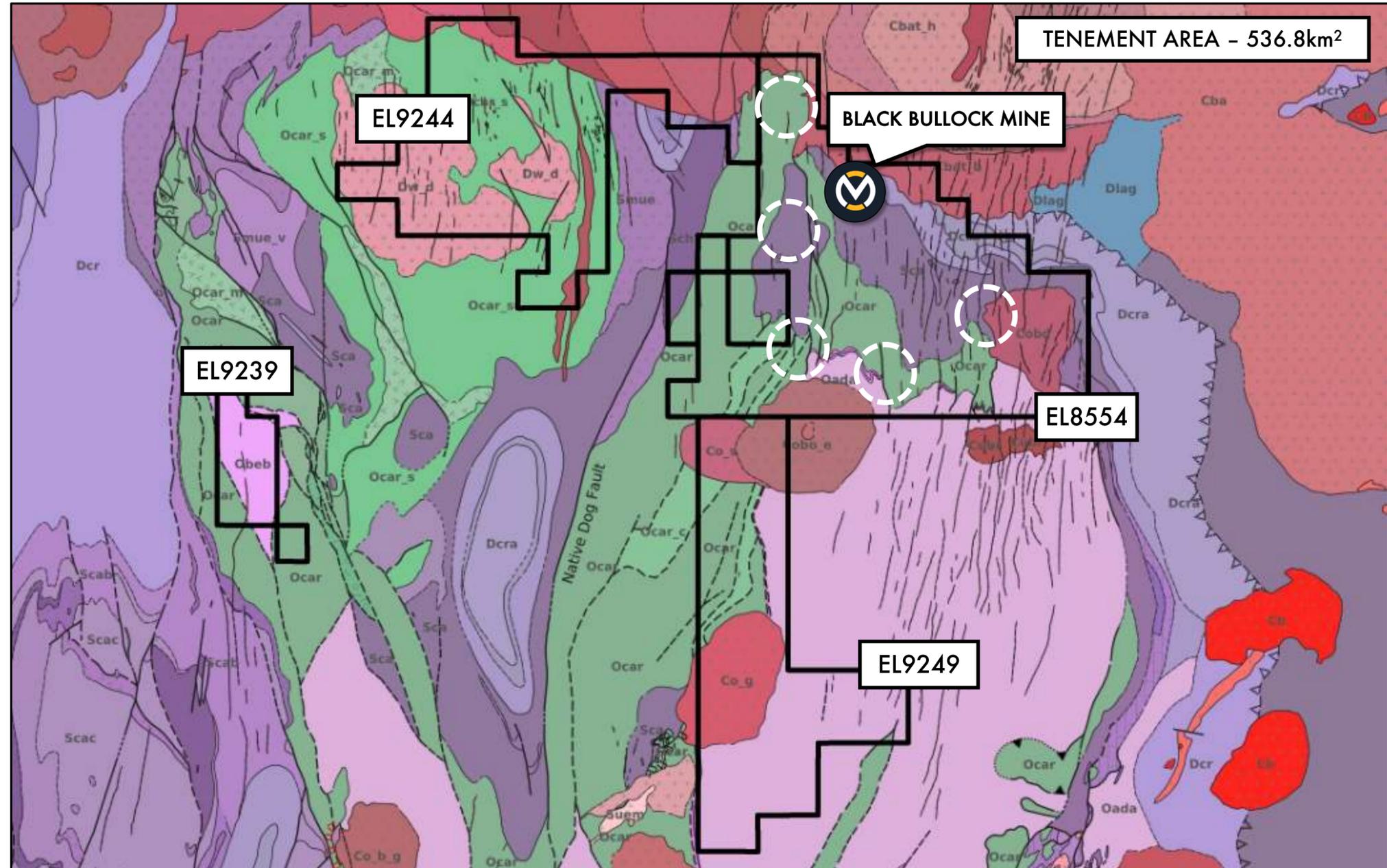
- Calarie Project area lies on the Parkes Thrust (2.9Moz North Parkes Mine, 108Koz Peak Hill Gold Mine and the 1.8Moz Tomingley Mine).
- Licences covers approximately 21km of the fault.
- Geophysical data and historic drilling have revealed key targets for follow-up drilling.
- Land access negotiations are underway for access to areas prospective for strike extensions of the Calarie Gold Mine.



# NSW PROJECT – WISEMANS CREEK



- 4 Exploration Licences approx. 30Km from Bathurst.
- Binding Term Sheet entered into to acquire 100% of EL8554 from Godolphin Resources in March 2022.
- Key project area is Black Bullock Mine:
  - 1900s era gold and silver production
  - Historic drill results include high grade gold and base metals mineralisation.
  - Multiple mineralisation types.
- Diamond drill program to commence in May 2022 to confirm historic mineralization.



## LEGEND



**WISEMANS CREEK  
REGIONAL GEOLOGY**

Orange Minerals

Rockley Volcanics

Oberon Granite

Campbells Group Sandstone

Tarana Granite

Faulted Boundary

Native Dog Fault

Black Bullock Mine

Mineral Occurrence



SCALE

6km



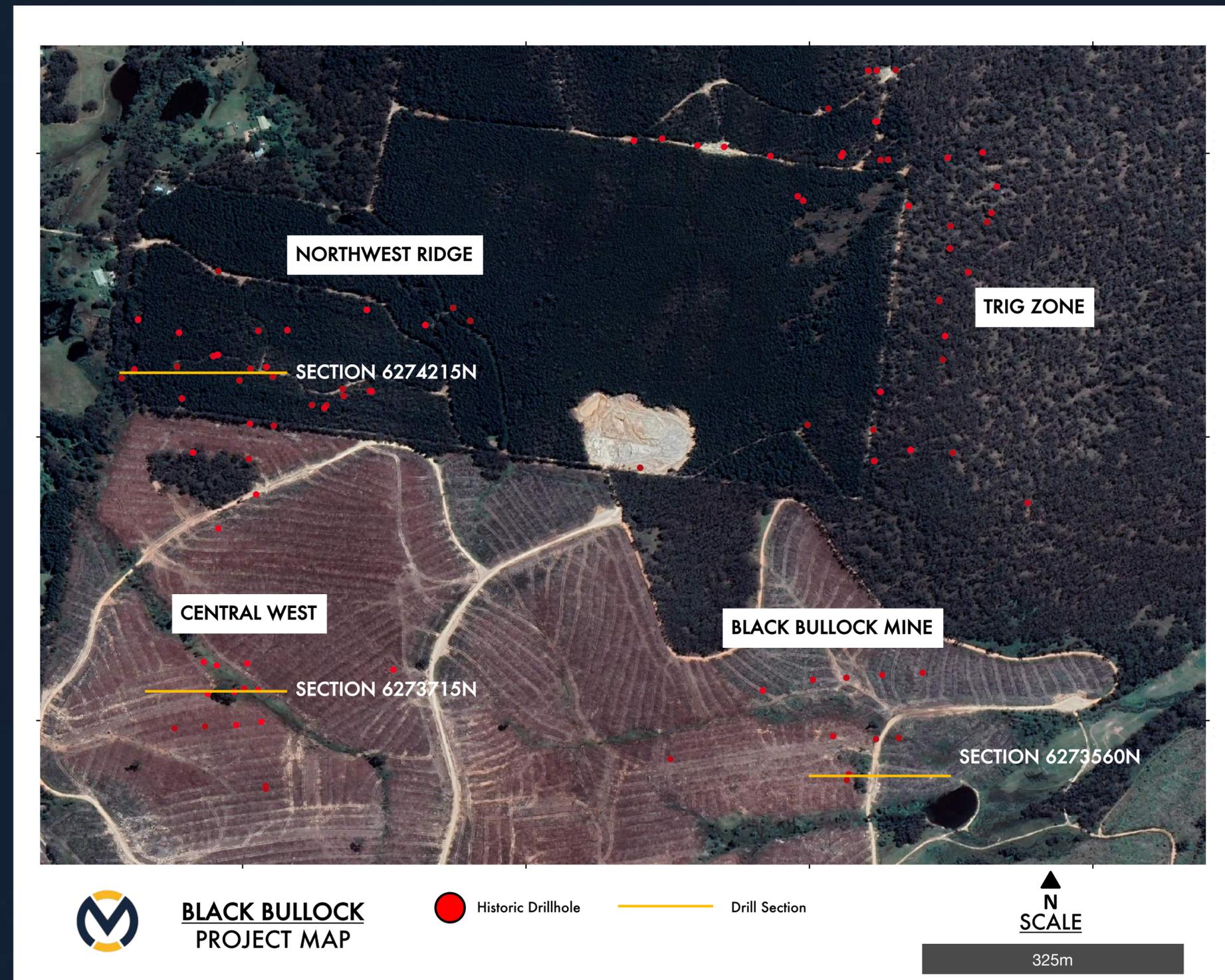
- 1900s era mine - 2,098oz Au, 40,000oz Ag produced.
- Significant historical intersections include high grade gold results:

## BLACK BULLOCK HISTORIC DRILL RESULTS

DRILLHOLE	SIGNIFICANT INTERCEPT
WCD004	19m @ 4.04 g/t Au, 15.0 g/t Ag, 0.14% Cu, 0.38% Pb, 0.09% Zn from 81m
<i>includes</i>	5m @ 12.78 g/t Au, 23.2 g/t Ag, 0.20% Cu, 0.27% Pb, 0.15% Zn from 95m
PWC021	26m @ 1.56g/t Au from 8m
NRP001	17m @ 2.13 g/t Au, 65.0 g/t Ag, 0.28% Cu, 0.70% Pb, 0.88% Zn from 102m
<i>includes</i>	3m @ 8.01 g/t Au, 194.0 g/t Ag, 0.76% Cu, 1.89% Pb, 2.57% Zn from 111m
PWC014	14m @ 2.25 g/t Au, 4.0 g/t Ag, 0.02% Cu, 0.06% Pb, 0.02% Zn from 30m
PWC021	12m @ 3.10 g/t Au, 77.0 g/t Ag, 0.11% Cu, 0.24% Pb, 0.31% Zn from 74m

For further information, see ASX announcement 'Excellent Drill Results at Calarie' dated 4 April 2022

- A diamond drill programme of approximately 600 metres is currently in progress.
- Drilling aims to validate historical drill holes and look to extend mineralised horizons previously intersected.



**BLACK BULLOCK  
PROJECT MAP**



Historic Drillhole



Drill Section

N  
SCALE

325m

# NSW GOLD PROJECT - BLACK BULLOCK MINE

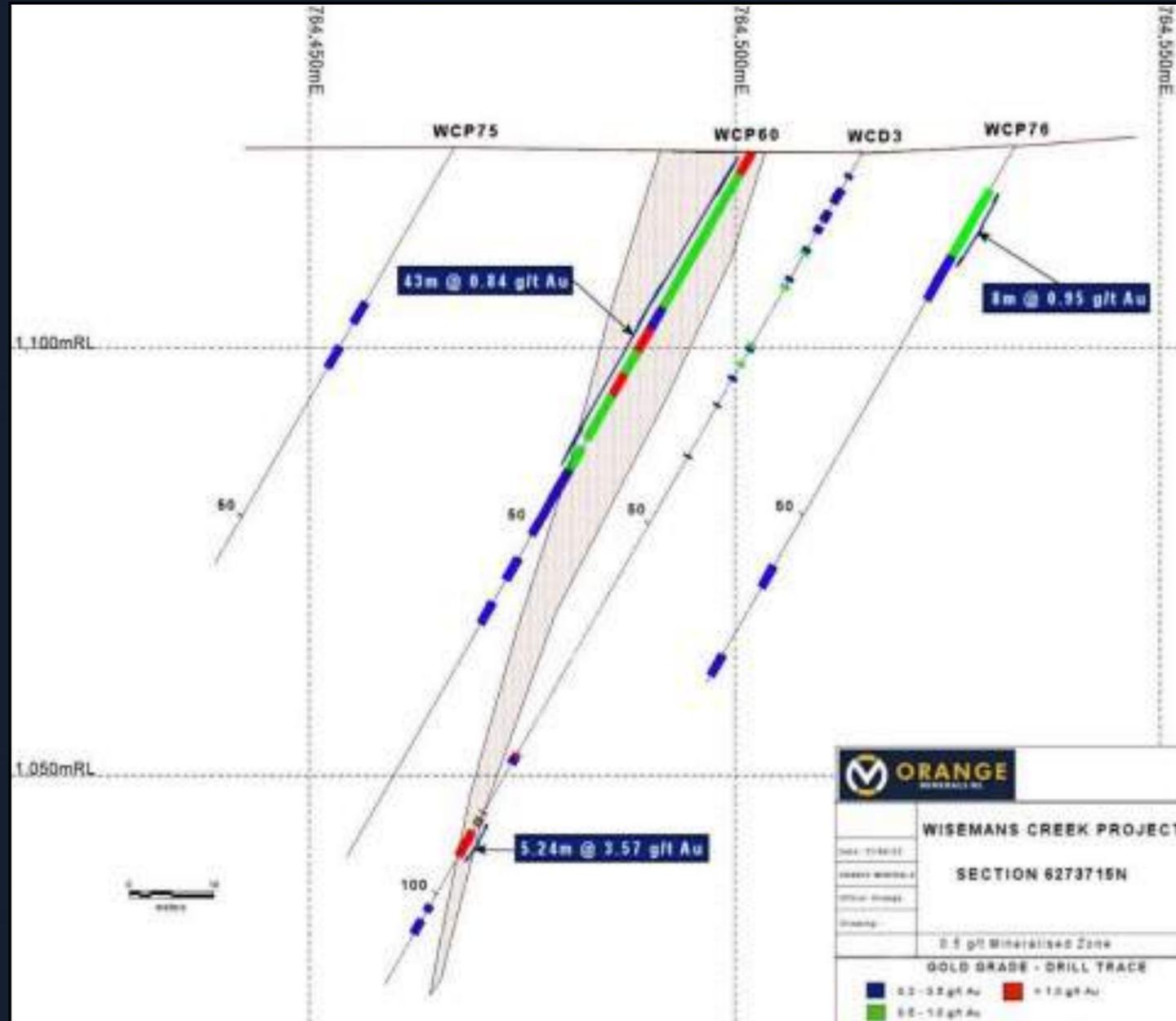


Figure 1 - Wisemans Creek Section 6273715N

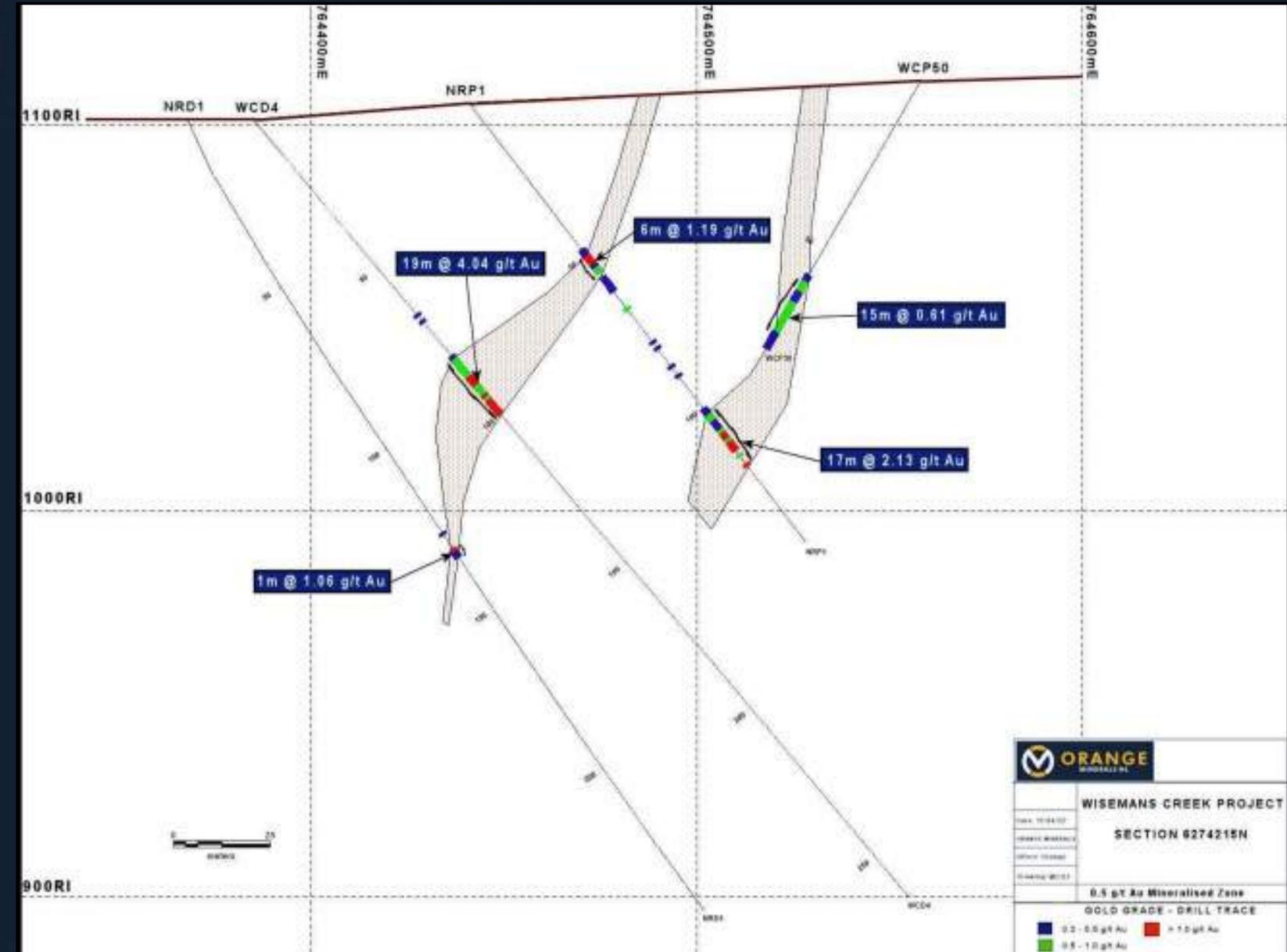
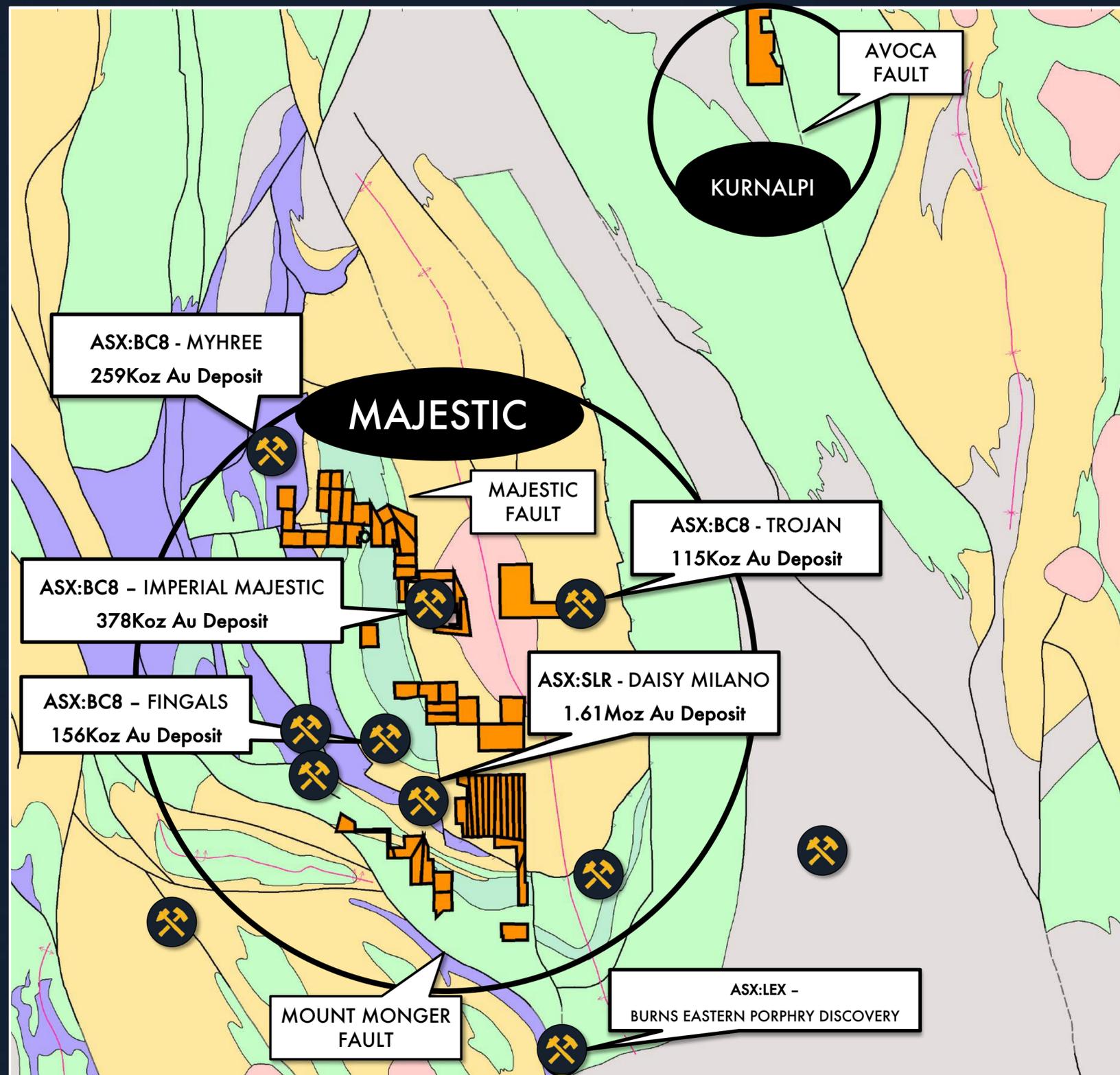


Figure 2 - Wisemans Creek Section 6274215N

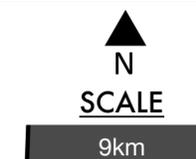


## EASTERN GOLDFIELDS WESTERN AUSTRALIA

- Tenements surround the Black Cat Syndicate (ASX:BC8) Imperial Majestic Project (472,000oz)
- Multiple POW for drilling approved.
- Orange ground located within very close proximity to the Jones Find Resource (55,000oz Au)



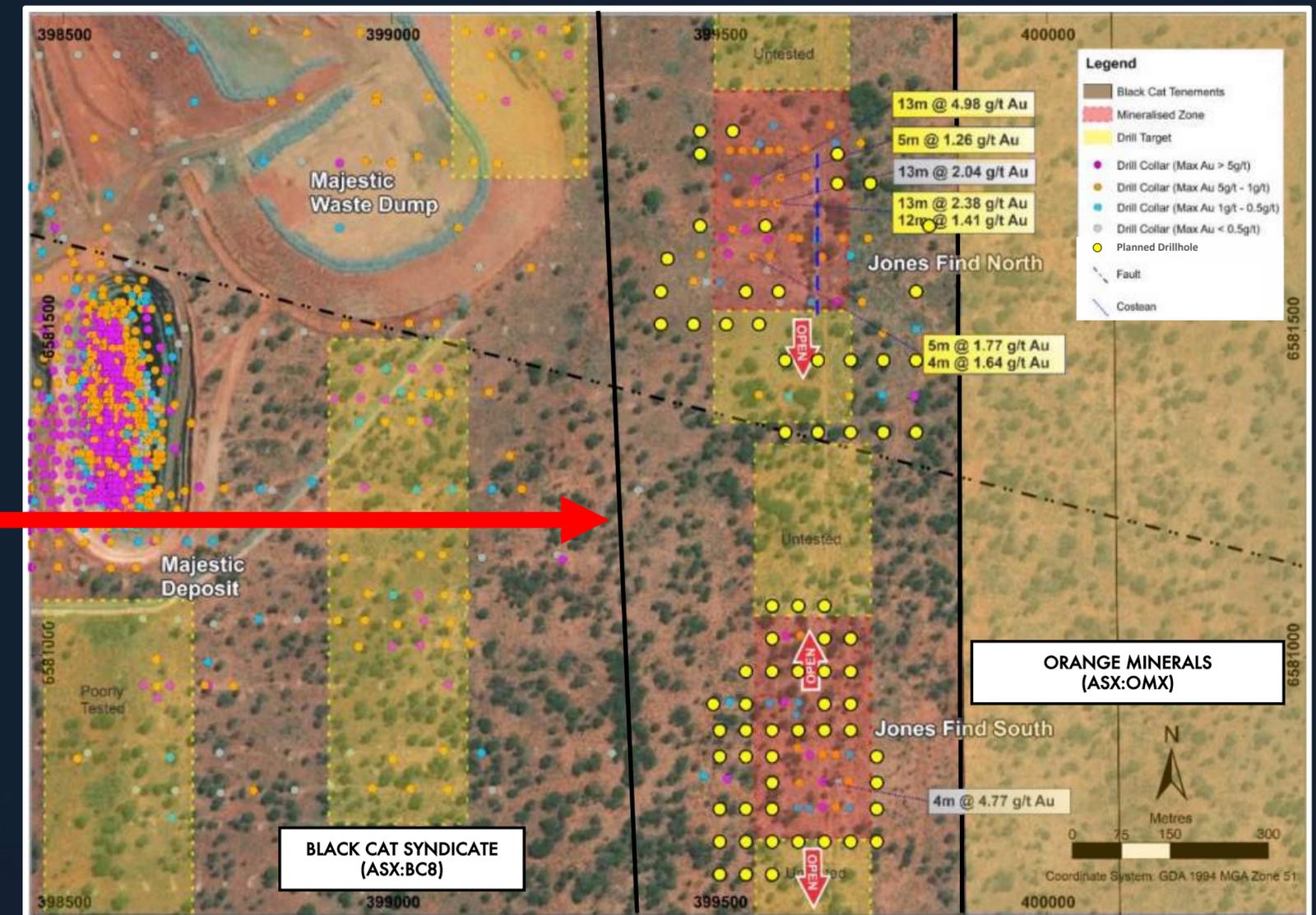
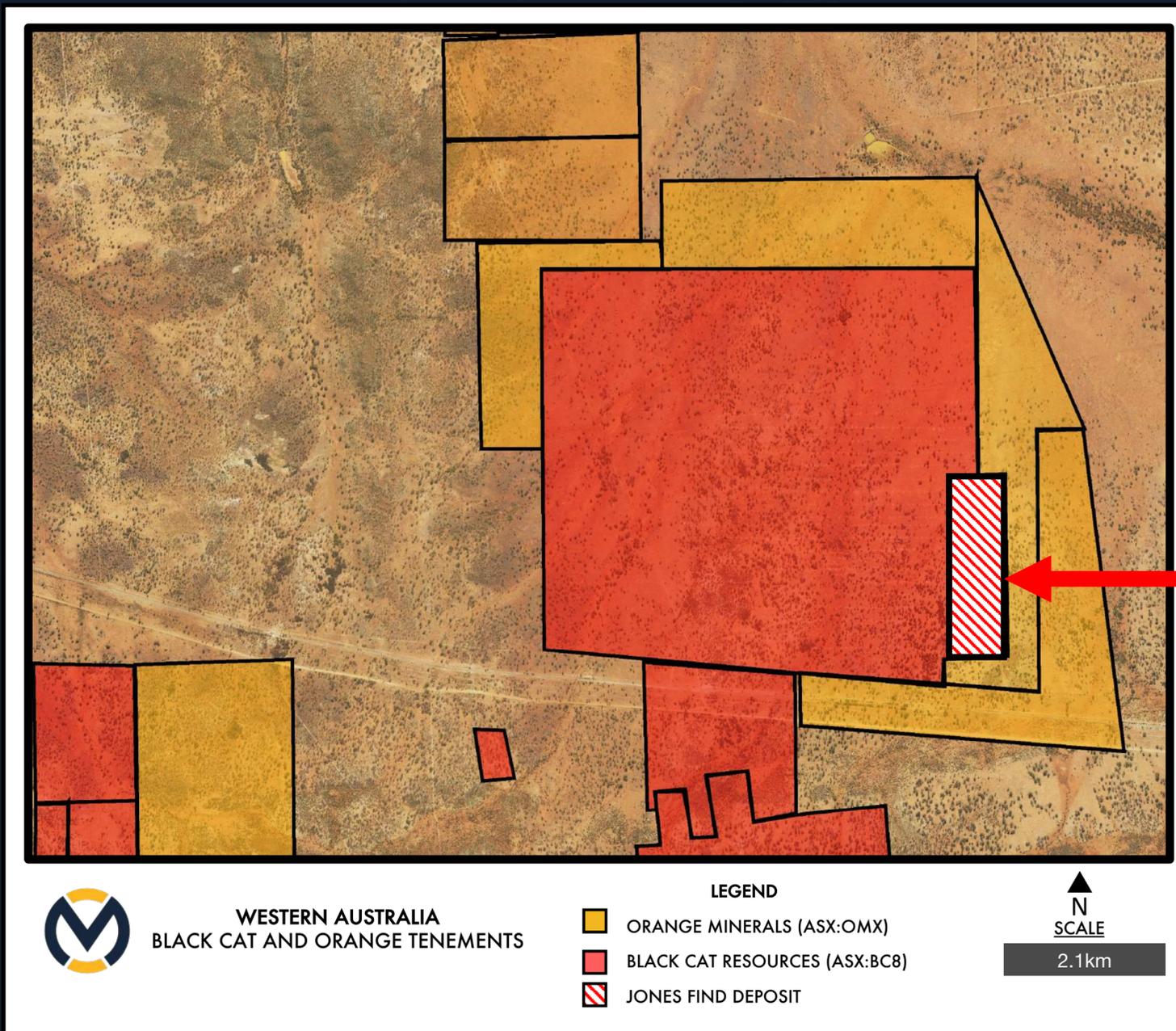
### ORANGE MINERALS PROJECT REGION



# WA PROJECT – MAJESTIC



- Tenements surround the Black Cat Syndicate (ASX:BC8) Imperial Majestic Project (472,000oz)
- Are within very close proximity to the Jones Find Resource (55,000oz Au).
- POW approval received for a drill program at the Orange Minerals Jones Find tenement.



ASX Announcement "Fourth Rig on Site as Drilling Commences at Jones Find" dated 8 September 2021



- ✓ Gold exploration in two major gold regions – Lachlan Fold Belt (NSW) and Eastern Goldfields (WA).
- ✓ Two key gold assets in NSW – Calarie and Wisemans Creek.
- ✓ Calarie:
  - Located along strike of Alkane Resources 1.7Moz Tomingley gold project.
  - 1900s era mine - shallow high grade (30g/t) gold production
  - 2021 RC drill campaign confirmed historic high grade deposit.
  - Deposit open along strike and at depth
  - Orange Minerals to undertake follow-up drilling in 2022.
- ✓ Wisemans Creek:
  - Term sheet entered into to acquire 100% of the tenement from Godolphin Resources in March 2022.
  - 1900s era gold and silver production
  - Historic drill results indicate gold and base metals mineralisation.
  - Diamond drilling to commence in May 2022
- ✓ Western Australian gold assets located close to 1.6Moz Daisy Milano, 1.2Moz Black Cat Resources Kal East Gold Project.
- ✓ Experienced team with a background in Lachlan Fold Belt exploration projects.



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## Key Contacts

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