

Orange is the new Gold.

Investor Presentation

October 2022

GOLD AND BASE
METALS EXPLORER

PROJECTS IN
WORLD CLASS
REGIONS
(NSW AND WA)

RECENT DRILLING
CONFIRMS
HIGH GRADE GOLD

DRILLING COMPLETED
ASSAYS PENDING

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 in OCRC006
 - 5m @ 13.5g/t Au from 143m in OCRC008
 - Deposit open along strike and at depth.
 - Follow-up diamond drilling to test depth extensions completed in September 2022, assays currently awaited.
- ✓ Wisemans Creek:
 - Gold, silver, copper, zinc and lead mineralisation.
 - 100% of the tenement acquired from Godolphin Resources in June 2022.
 - 1900s era gold and silver production, historic drill results indicate gold and base metals mineralisation.
 - Phase 1 diamond drilling completed in May 2022 intersected 24.6m @ 1.3g/t Au from 34.4m in OWCD004.
- ✓ Strategic investment in ASX listed Godolphin Resources Ltd (5.96%)



CAPITAL STRUCTURE

ASX Code	OMX
Share Price (10 Oct 2022)	\$0.07
Shares on Issue	84,089,047
Market Cap	\$5.89M
Options	11,350,000
Monthly Average Volume	112,427
Cash (30 June 2022)	AUD\$5.2M
Debt	Zero

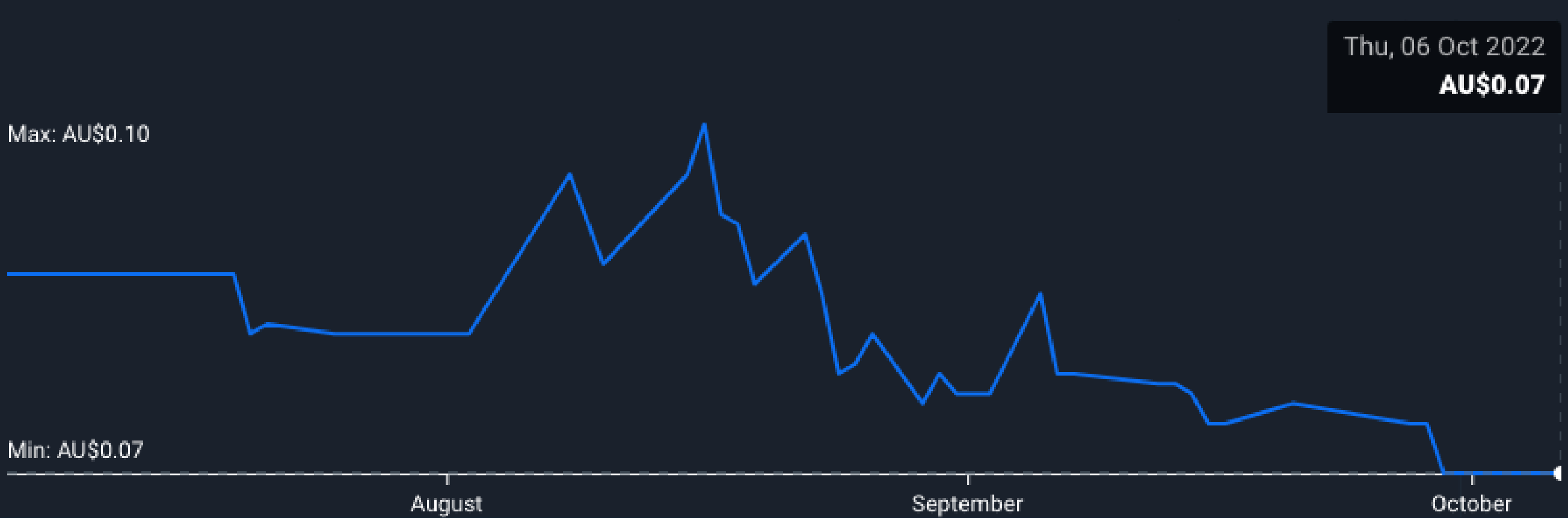


Figure 1 – OMX 3 Month Share Price Chart

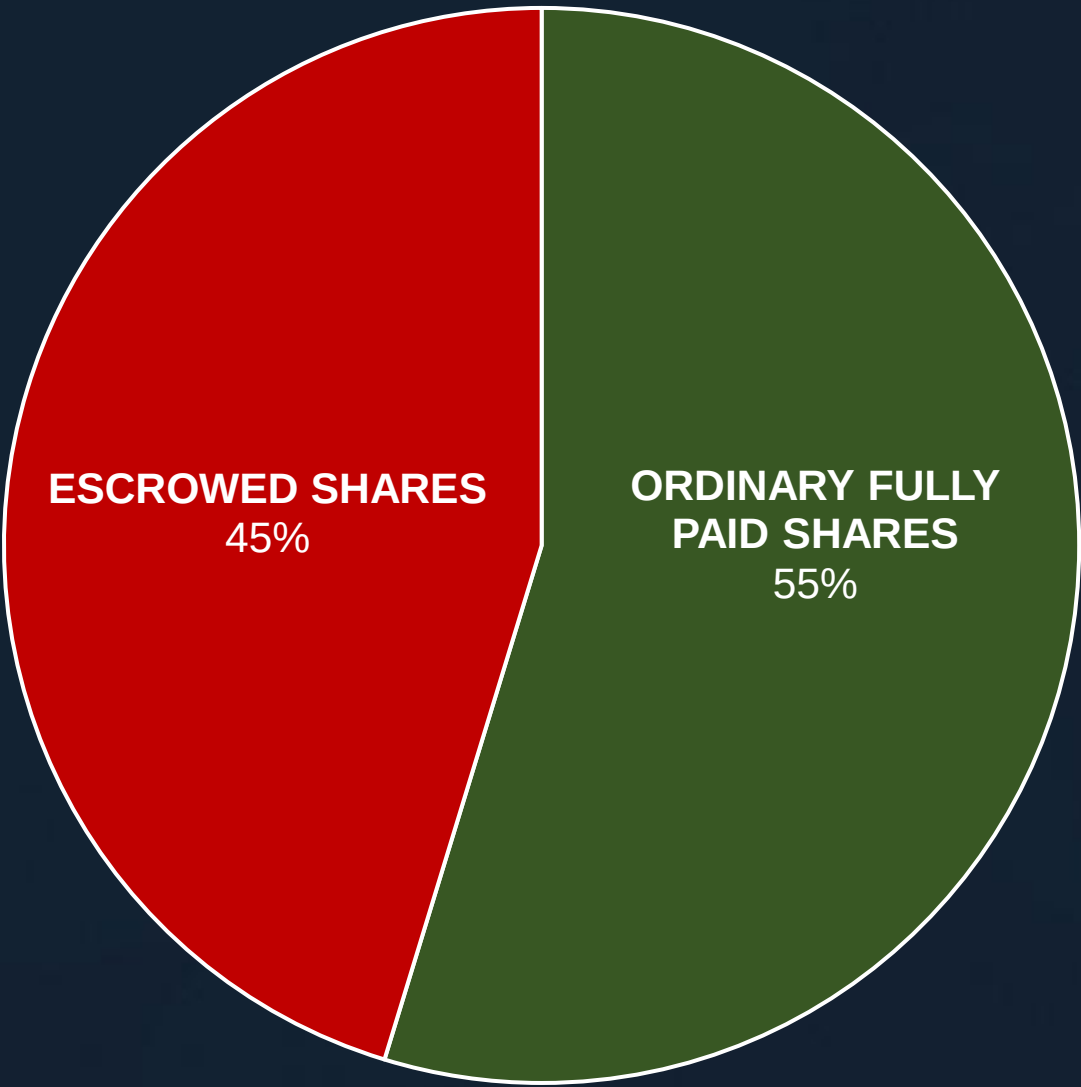


Figure 2 – Ordinary and Escrowed Shares

BOARD AND MANAGEMENT



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) .



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), 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



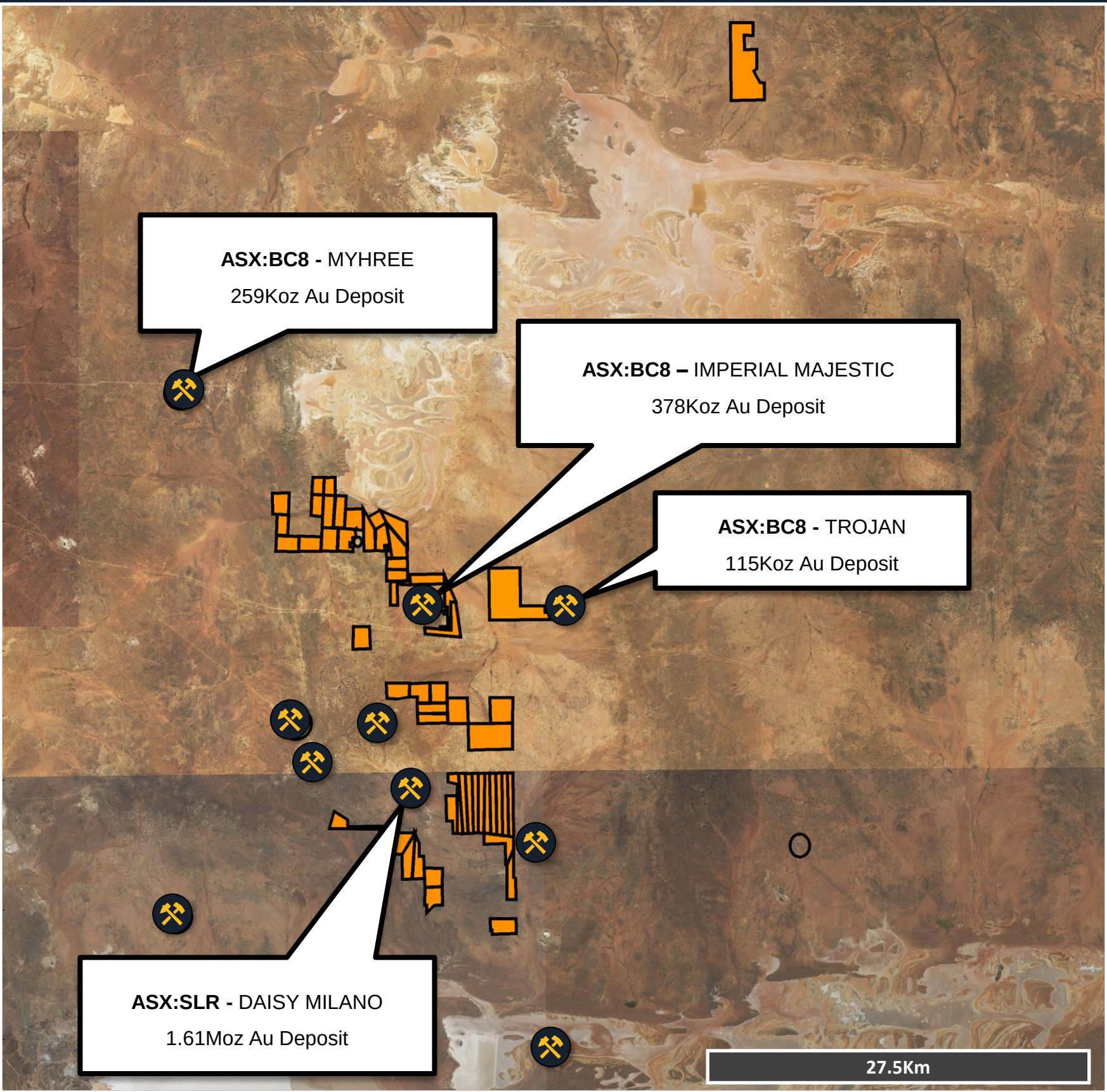
MAJESTIC AND KURNALPI (WA)

TENEMENT PORTFOLIO

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

TOTAL AREA

119km²



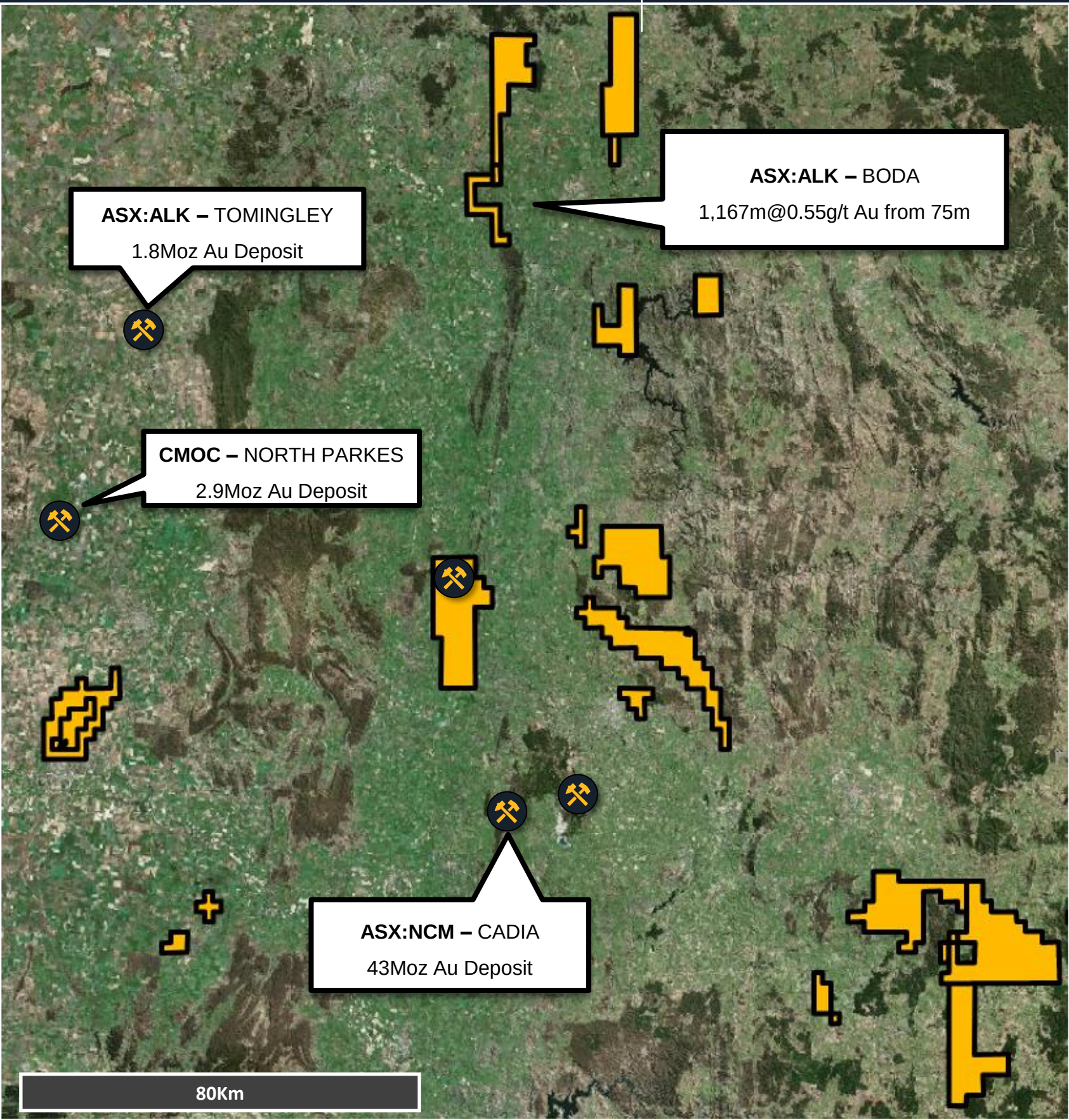
ORANGE (NSW)

TENEMENT PORTFOLIO

13 Exploration Licences
1 Mining Lease

TOTAL AREA

1,605km²



LACHLAN FOLD BELT NSW – A WORLD CLASS GOLD REGION

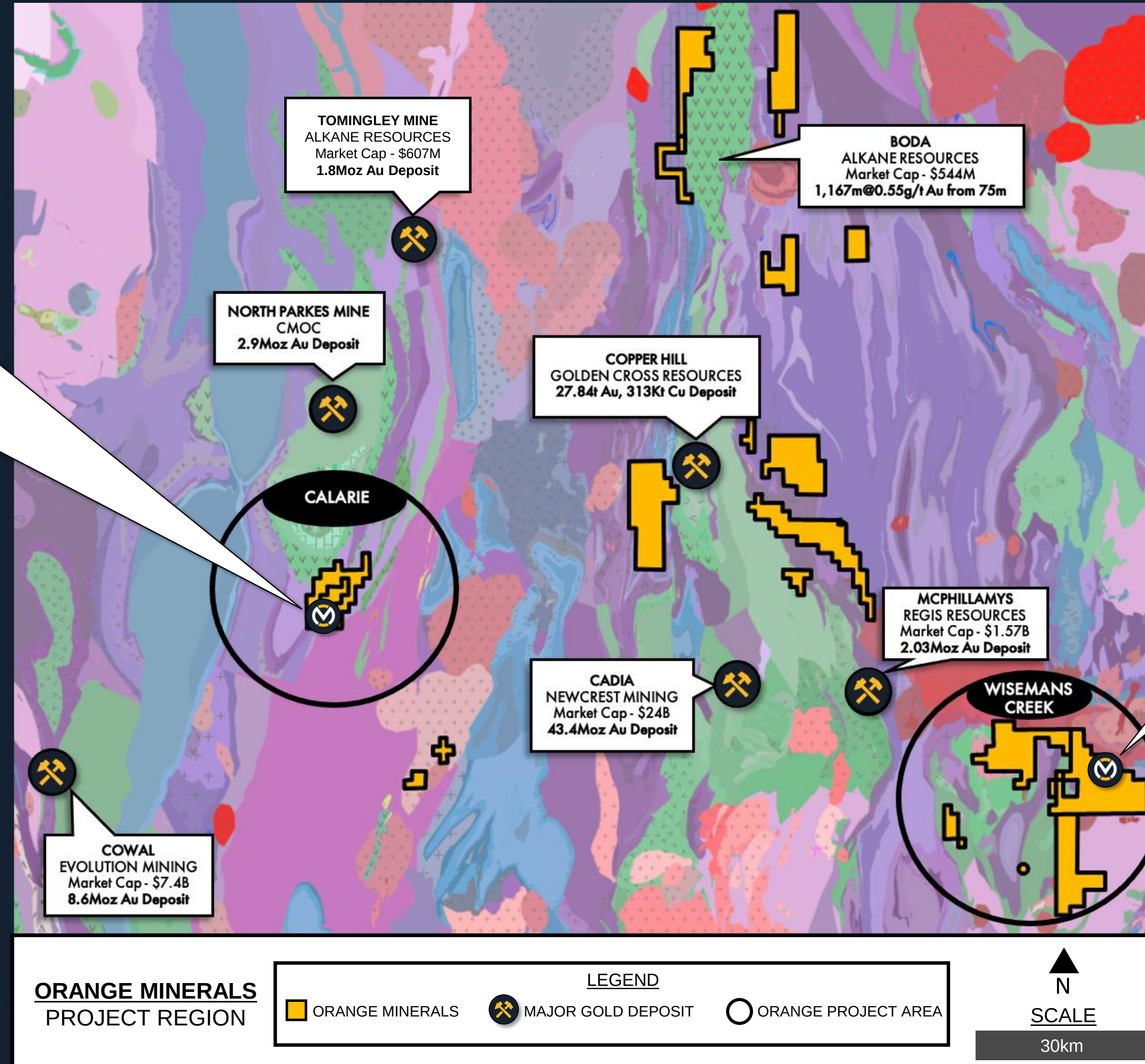


CALARIE DRILL PROGRAM DECEMBER 2021



CALARIE

- Assay results inbound for September 2022 diamond campaign.
- 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



WISEMANS CREEK DRILL PROGRAM May 2022



WISEMANS CREEK

- 1900s era gold and silver production
- Historic drill results indicate gold and base metals mineralisation.
- Diamond drilling May 2022 confirmed gold mineralization open along strike & at depth.

NSW PROJECT - CALARIE

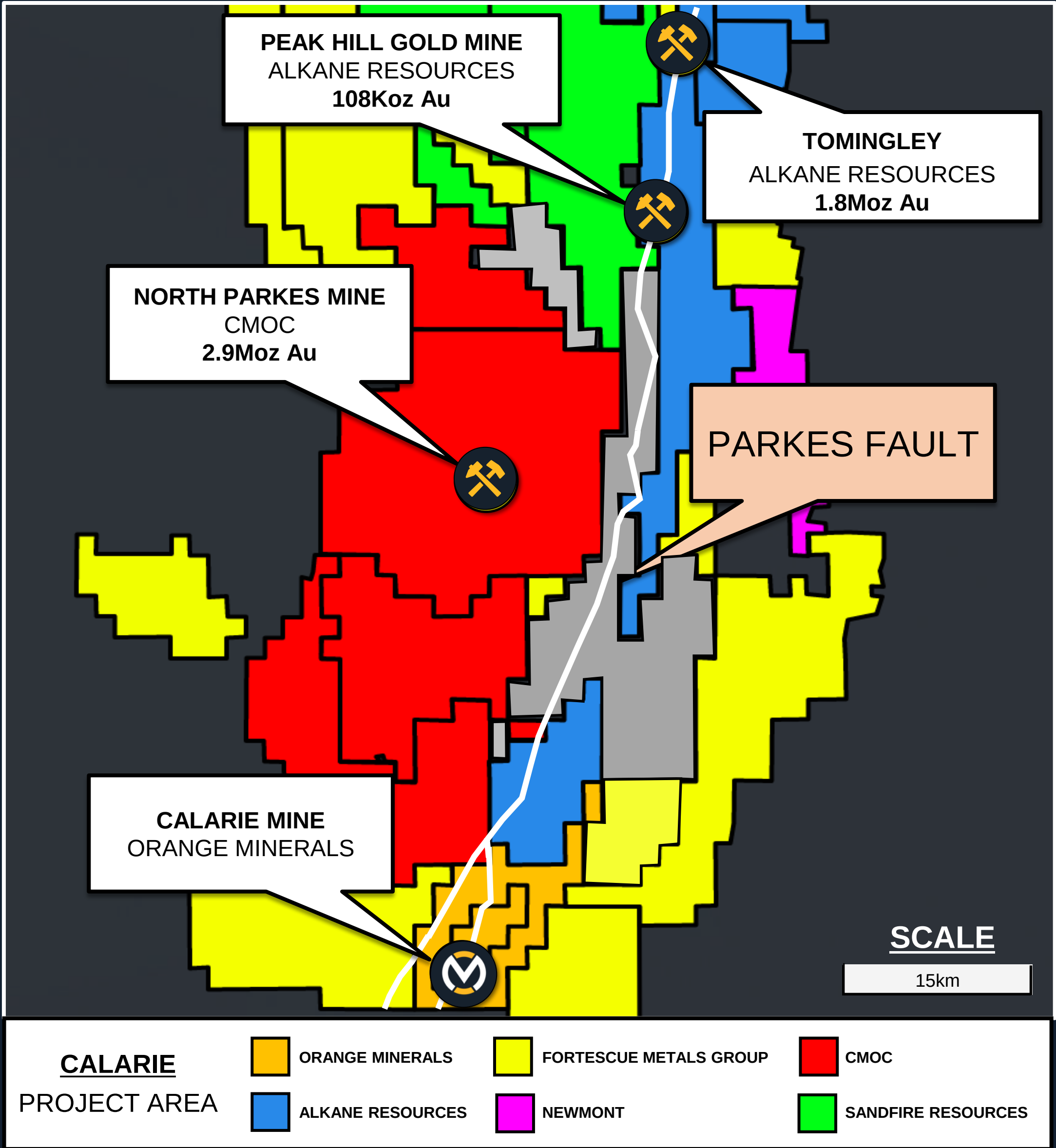


Orange Minerals – one of only two junior explorers on the Junee-Narromine belt.

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	Surrounded by
North Parkes	Fortescue Metals Group
Tomingley	Alkane Resources
Peak Hill Mine	CMOC (Owners of North Parkes Mine)
Freeport McMoRan	
Sandfire Resources	

Fortescue and Alkane have acquired all ground around Calarie in the past 24 months.



NSW GOLD PROJECT – CALARIE



- 1900s era mine – 40,000oz Au produced.
- Earn in Joint-Venture (up to 70%) with Godolphin Resources Limited.
- High grade historic drill results include:

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 significant intercepts from 2021 RC drill programme 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.
- Phase 2 diamond drilling programme completed in September 2022 intersected the sheared mineralised contact of sediments and volcanics in three deep holes.
 - Assay results currently pending.

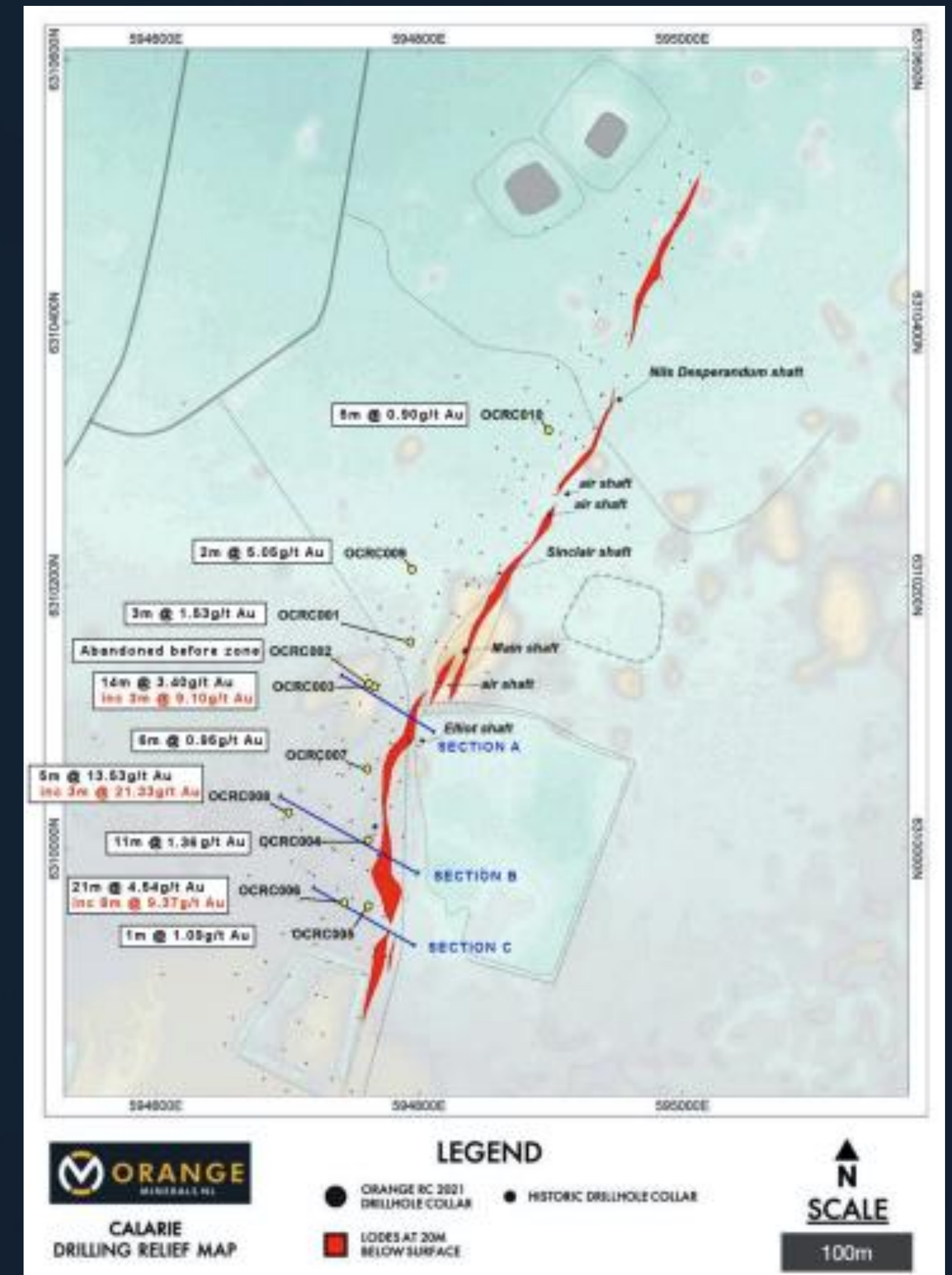


Figure 1 - Map of Calarie Drill Results

NSW GOLD PROJECT – CALARIE 2021 RC DRILLING

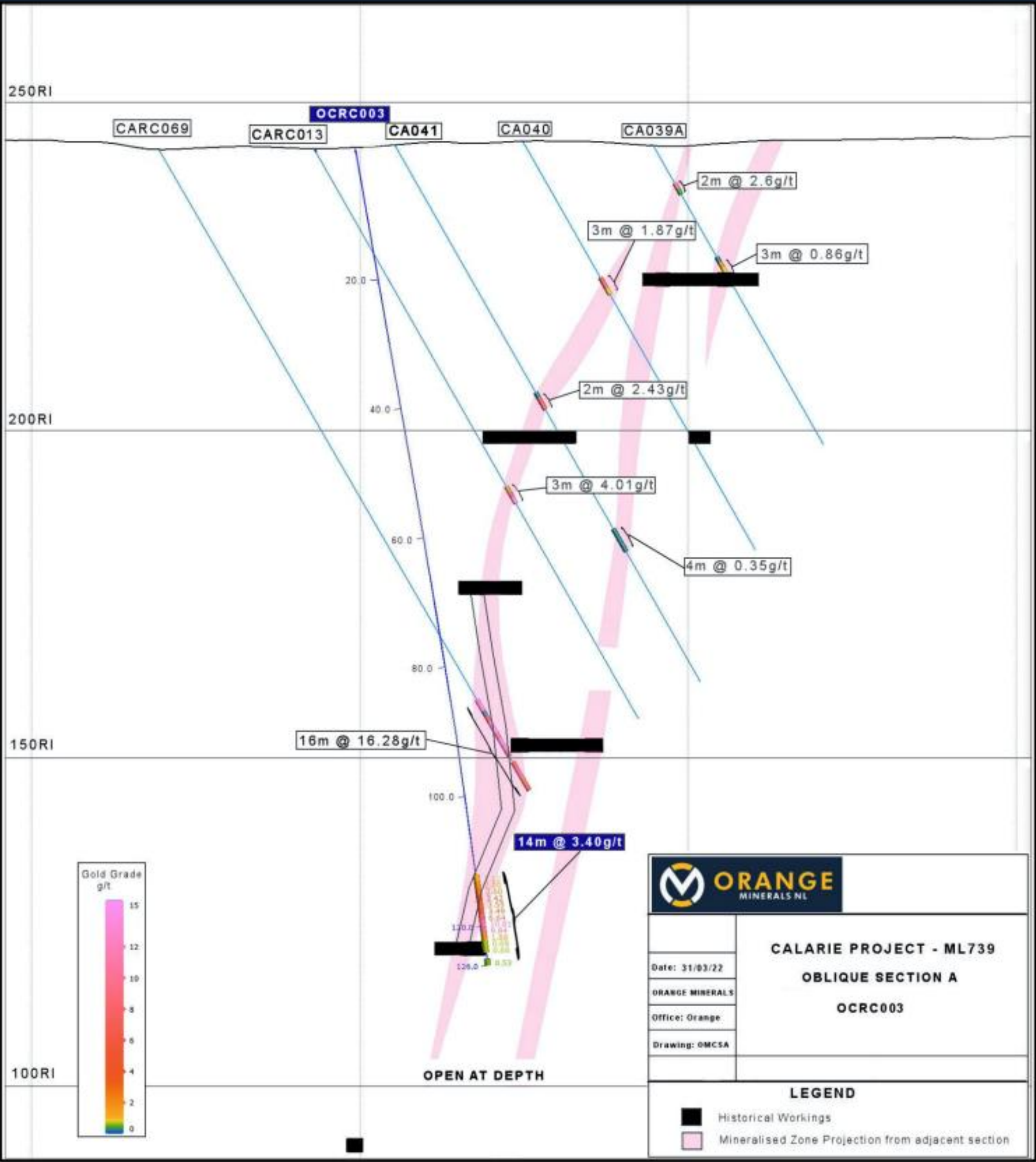


Figure 1 – Calarie Oblique Section A

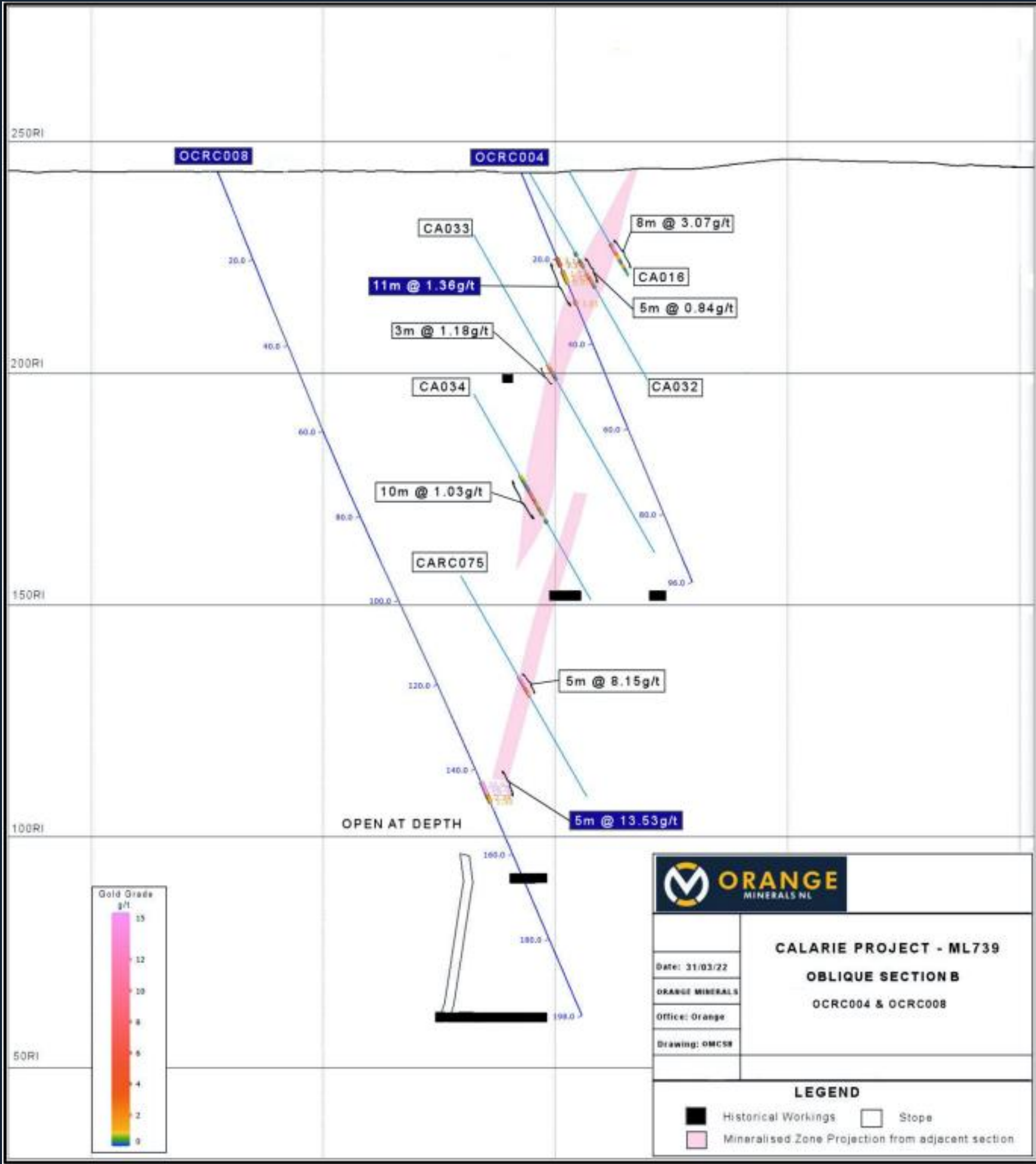


Figure 2 – Calarie Oblique Section B

NSW GOLD PROJECT – CALARIE 2022 DIAMOND DRILLING

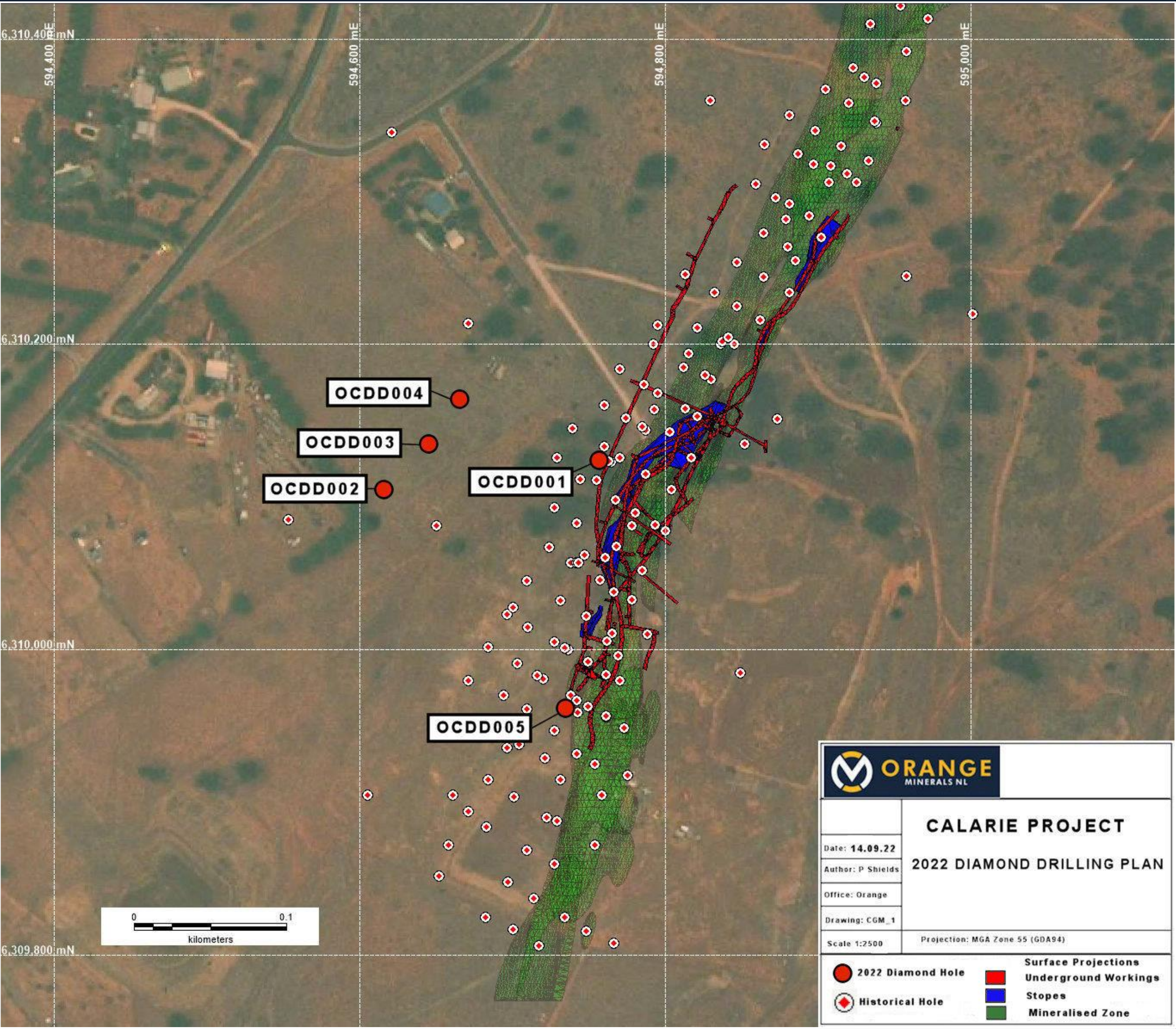


Figure 1 - Calarie Plan of Diamond Drilling Programme Completed September 2022

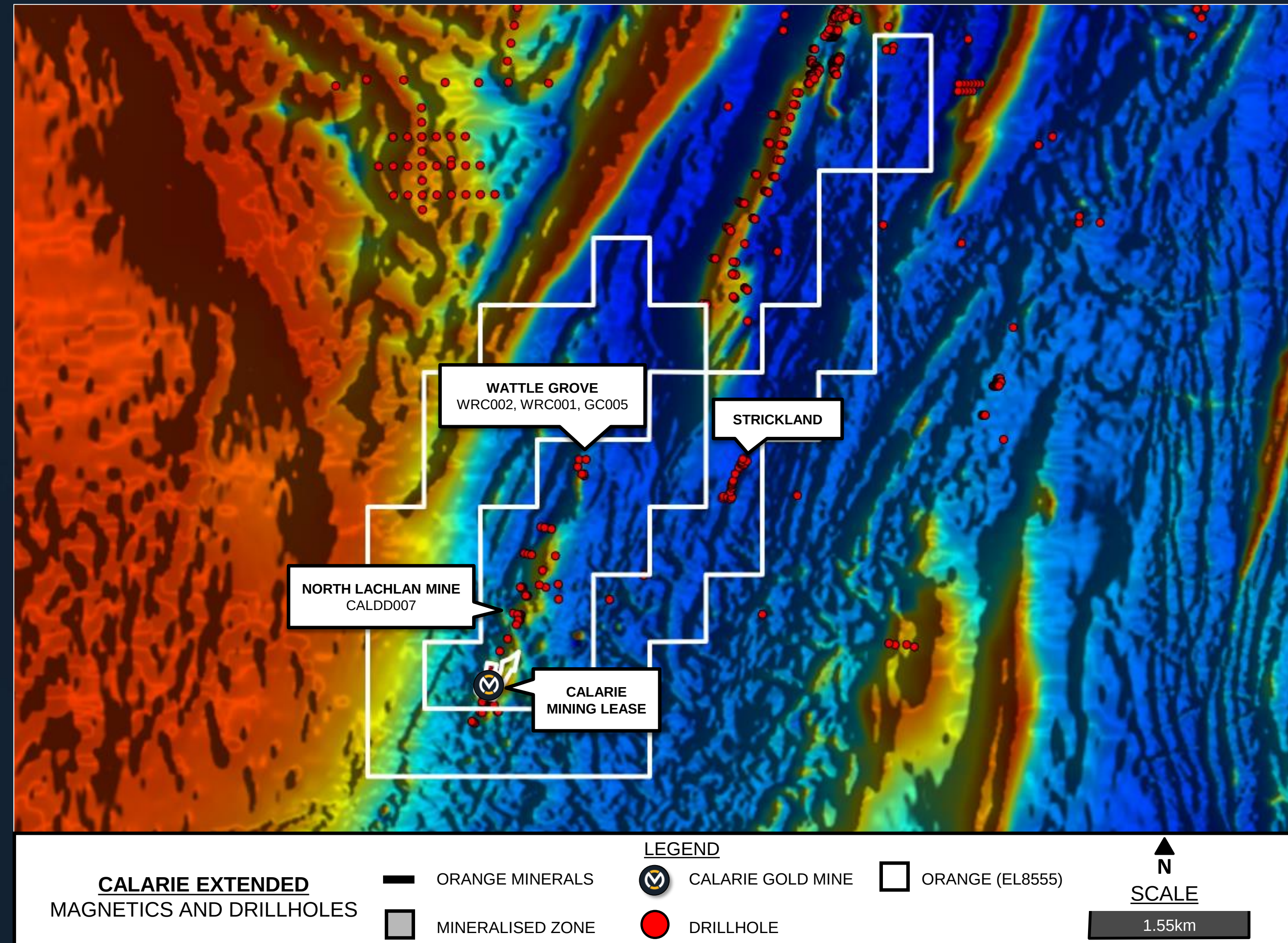


Figure 2 - Mineralised Parkes Shear OCDD002 (266.0-271.6m)

NSW GOLD PROJECT – CALARIE EXTENSIONS



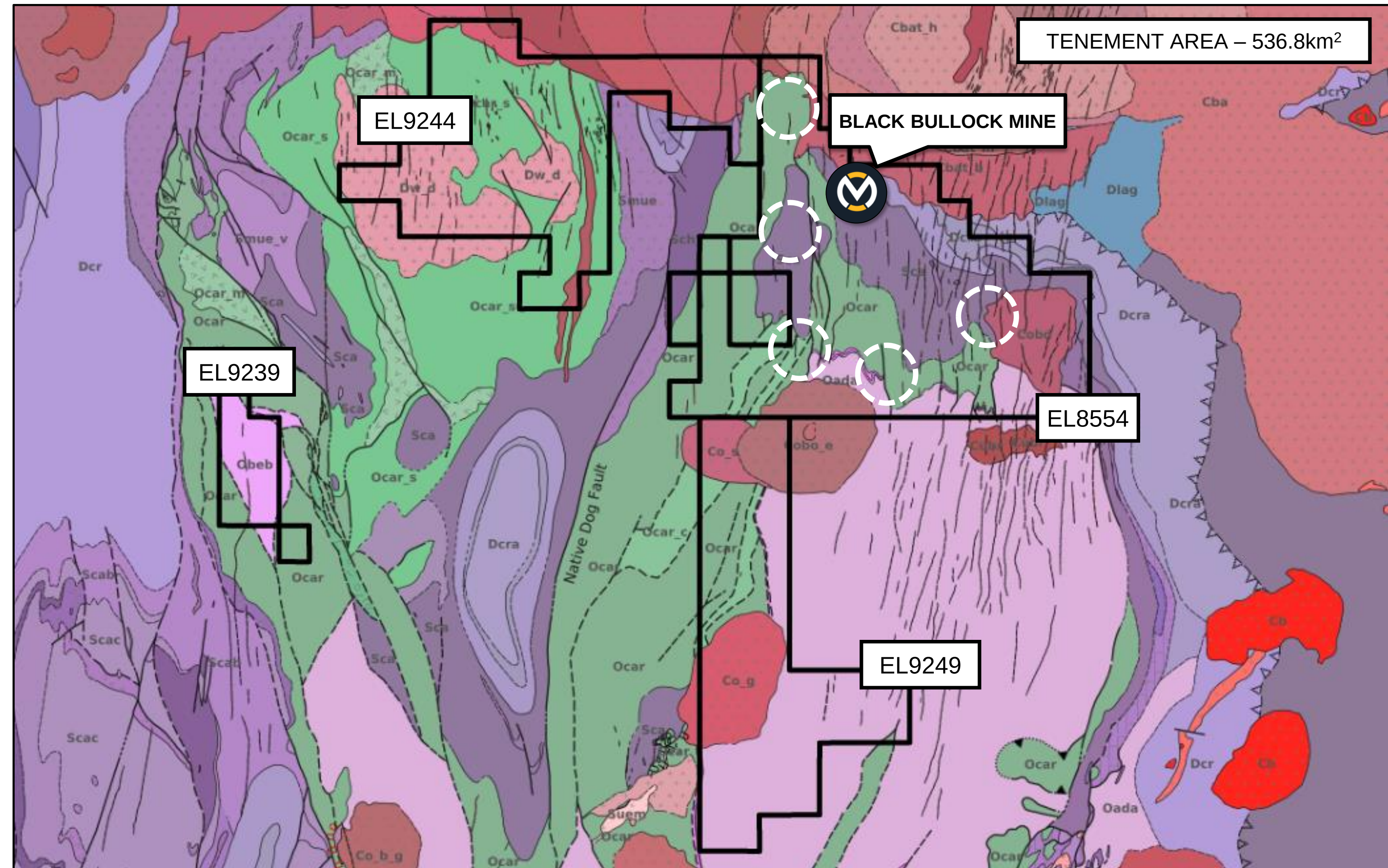
- Calarie Project area lies on the Parkes Thrust (2.9Moz North Parkes Mine, 108Koz Peak Hill Gold Mine and the 1.8Moz Tomingley Mine).
- Licences covers approximately 21km of the fault.
- Geophysical data and historic drilling have revealed key targets for follow-up drilling.
- Land access negotiations 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 completed in May 2022 intersected 24.6m @ 1.3g/t Au from 34.4m in OWCD004.
- Follow-up exploration currently in planning stage.



WISEMANS CREEK
REGIONAL GEOLOGY

Orange Minerals

Tarana Granite

Mineral Occurrence

Rockley Volcanics

Faulted Boundary

Oberon Granite

Native Dog Fault

Campbells Group
Sandstone

Black Bullock Mine

LEGEND

N

SCALE

6km



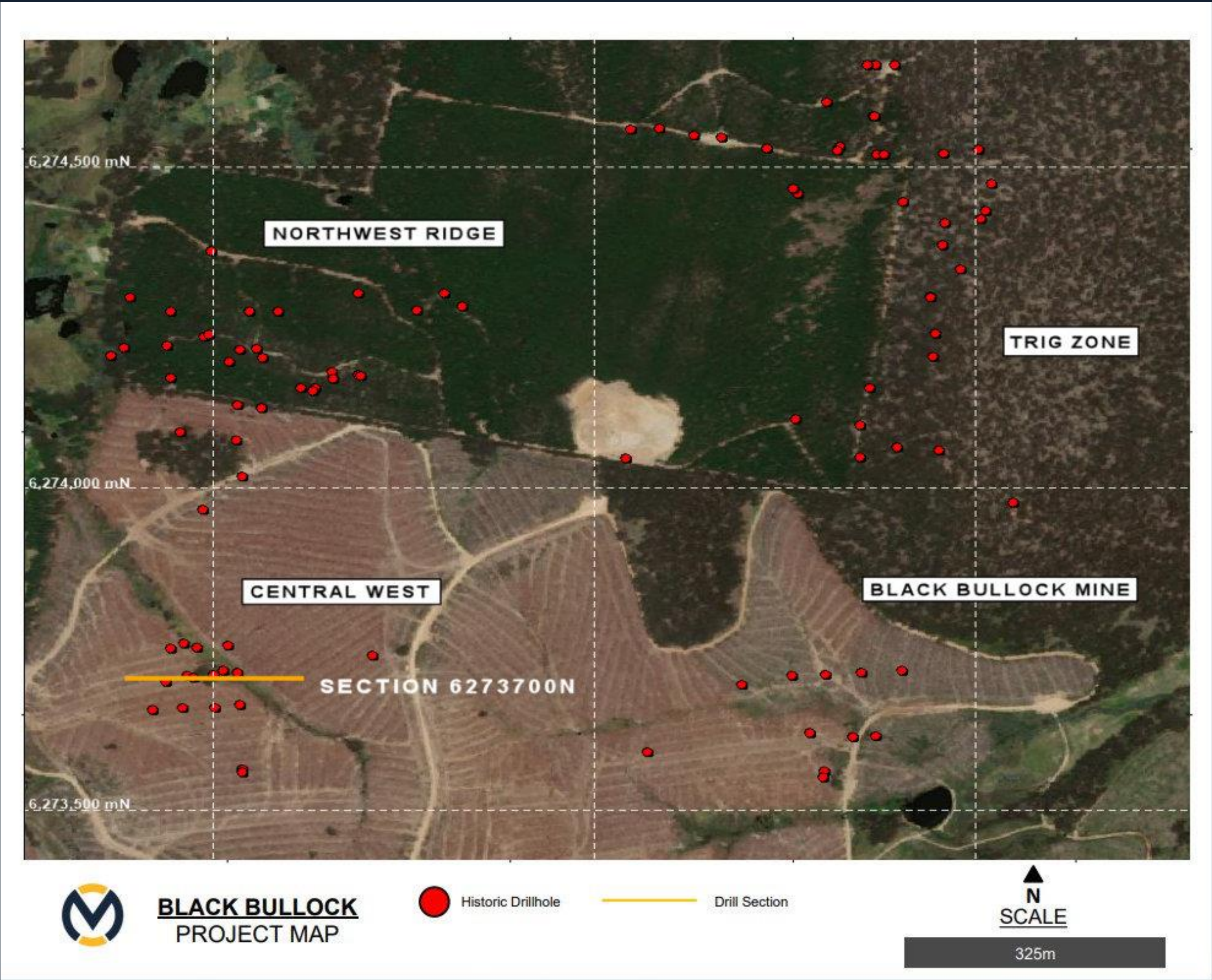
- 1900s era mine - 2,098oz Au, 40,000oz Ag produced.
- Significant historical intersections include high grade gold results:

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

- 618m diamond drilling campaign competed in May 2022
- Mineralisation intersected in all holes, with significant intersection of 24.4m @ 1.3 g/t Au from 34.4m in OWCD004.



NSW GOLD PROJECT – BLACK BULLOCK MINE

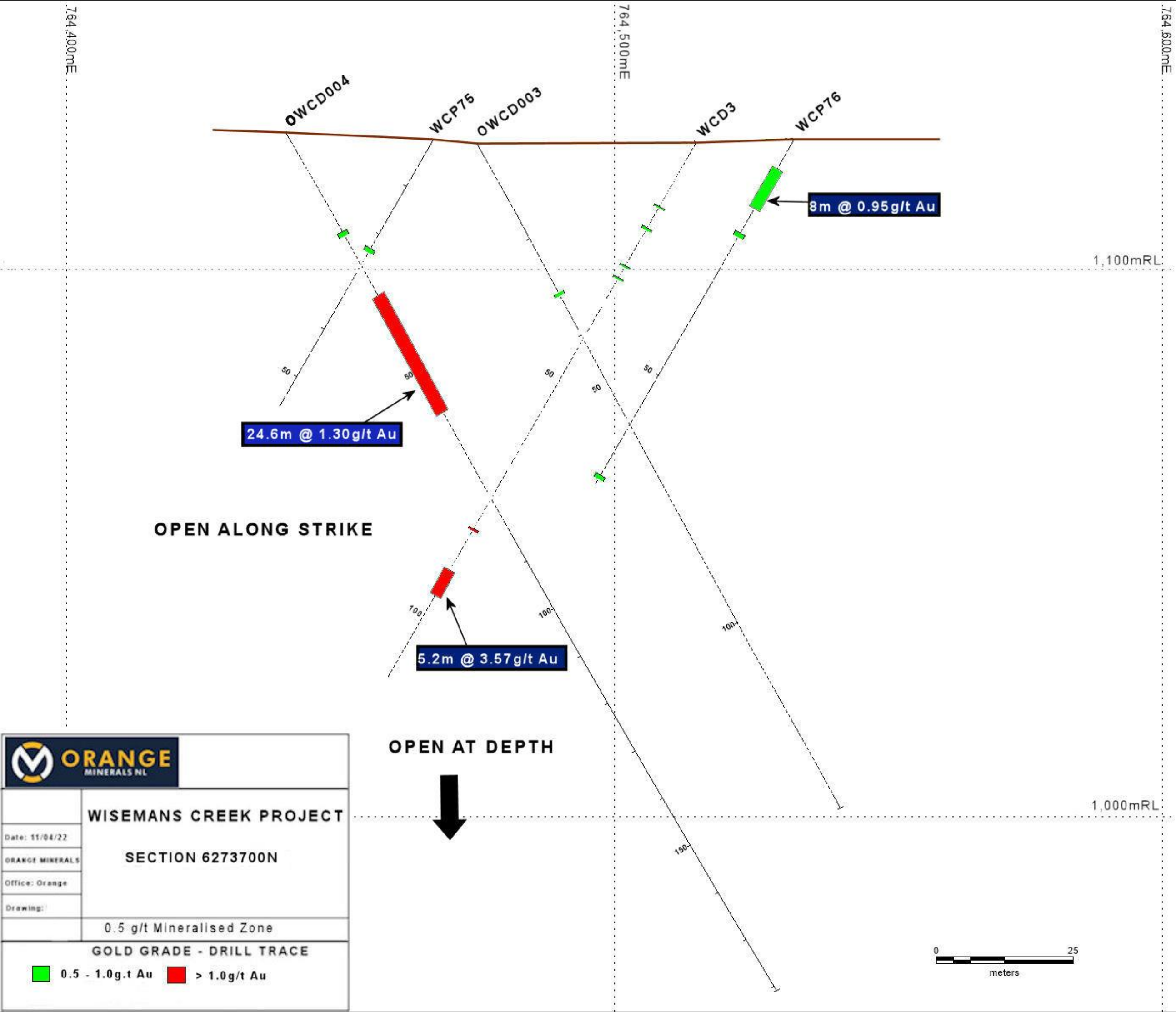
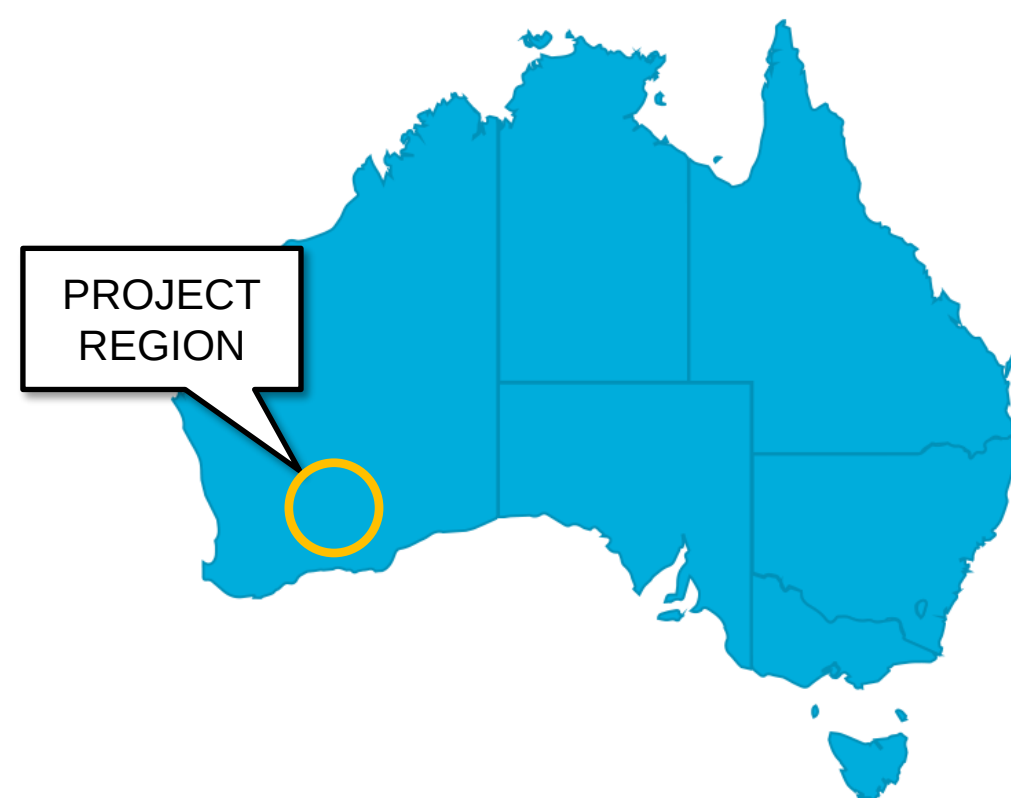


Figure 1 – Wisemans Creek Section 6273700N

OWCD004 – 24.6m @ 1.30g/t Au				
MINERALISATION	OWCD004 Gold- pyrite, arsenopyrite. Sulphides in vein Selvedge.		DESCRIPTION	Quartz veining breccia in sericite altered siltstone.
	Carbonate and Sericite			Microfaulted quartz veins and breccia
ALTERATION			VEINS	
FROM	39m		TO	46m

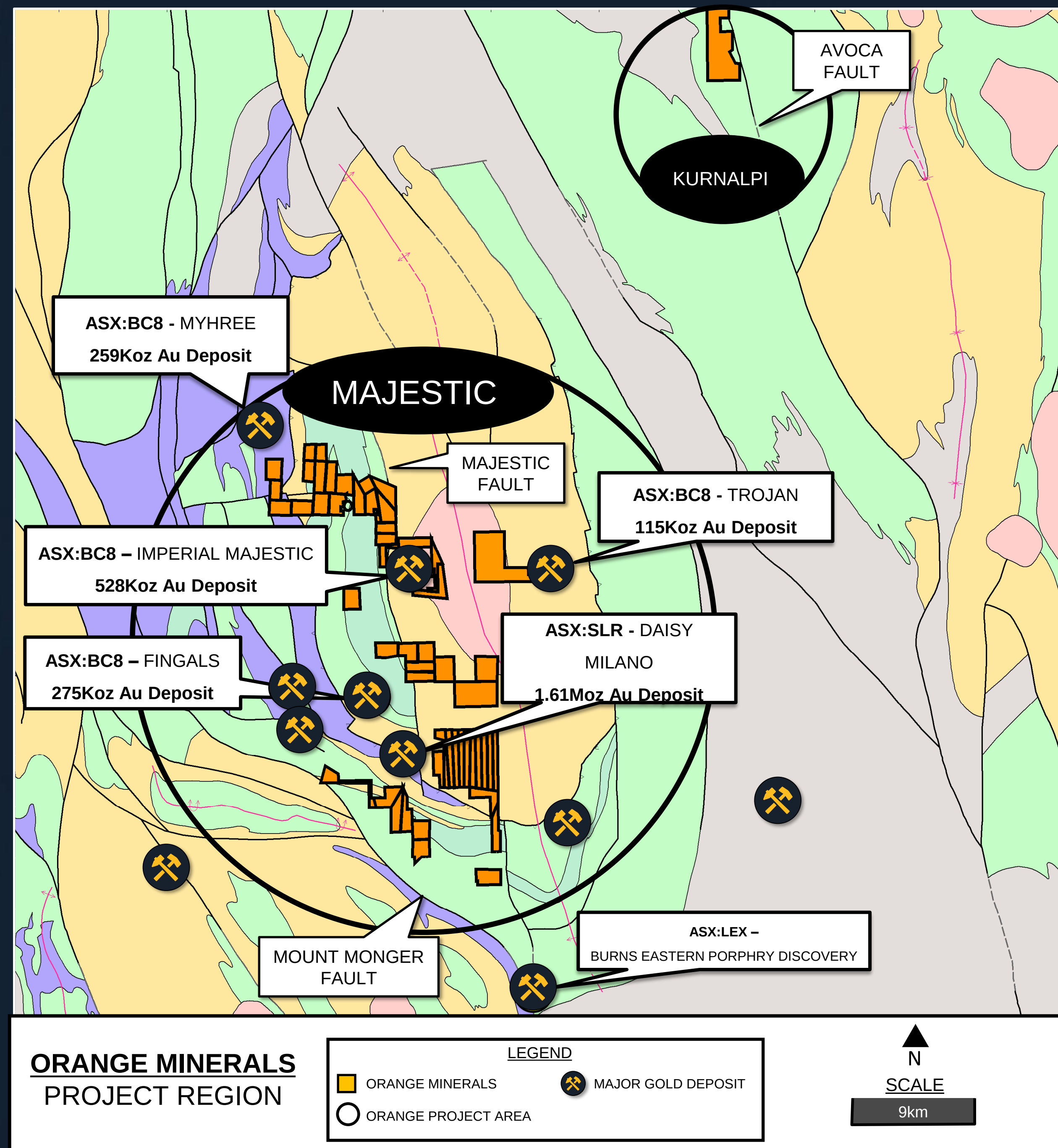


Figure 2 – Wisemans Creek OWCD004 – Core Tray



EASTERN GOLDFIELDS WESTERN AUSTRALIA

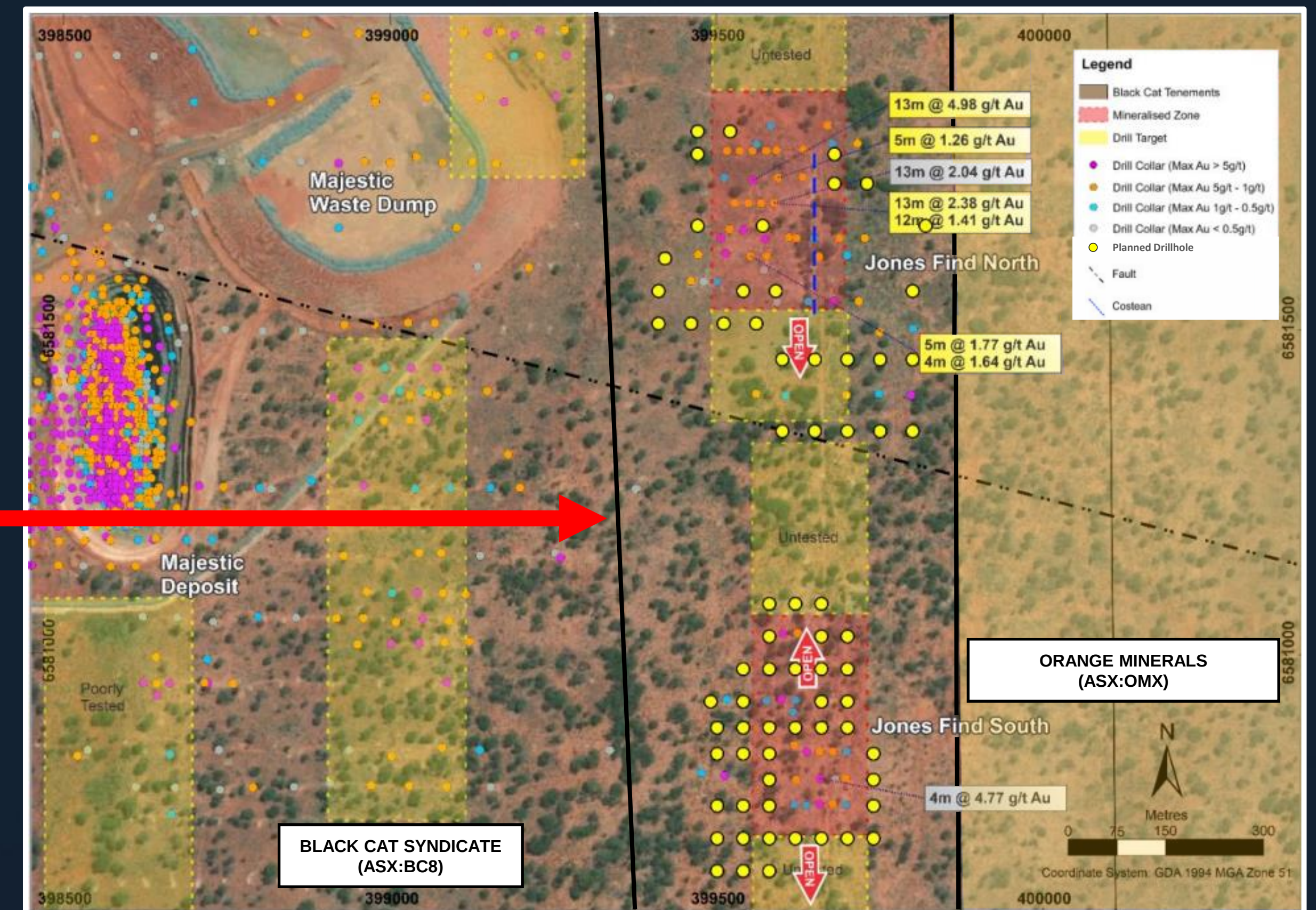
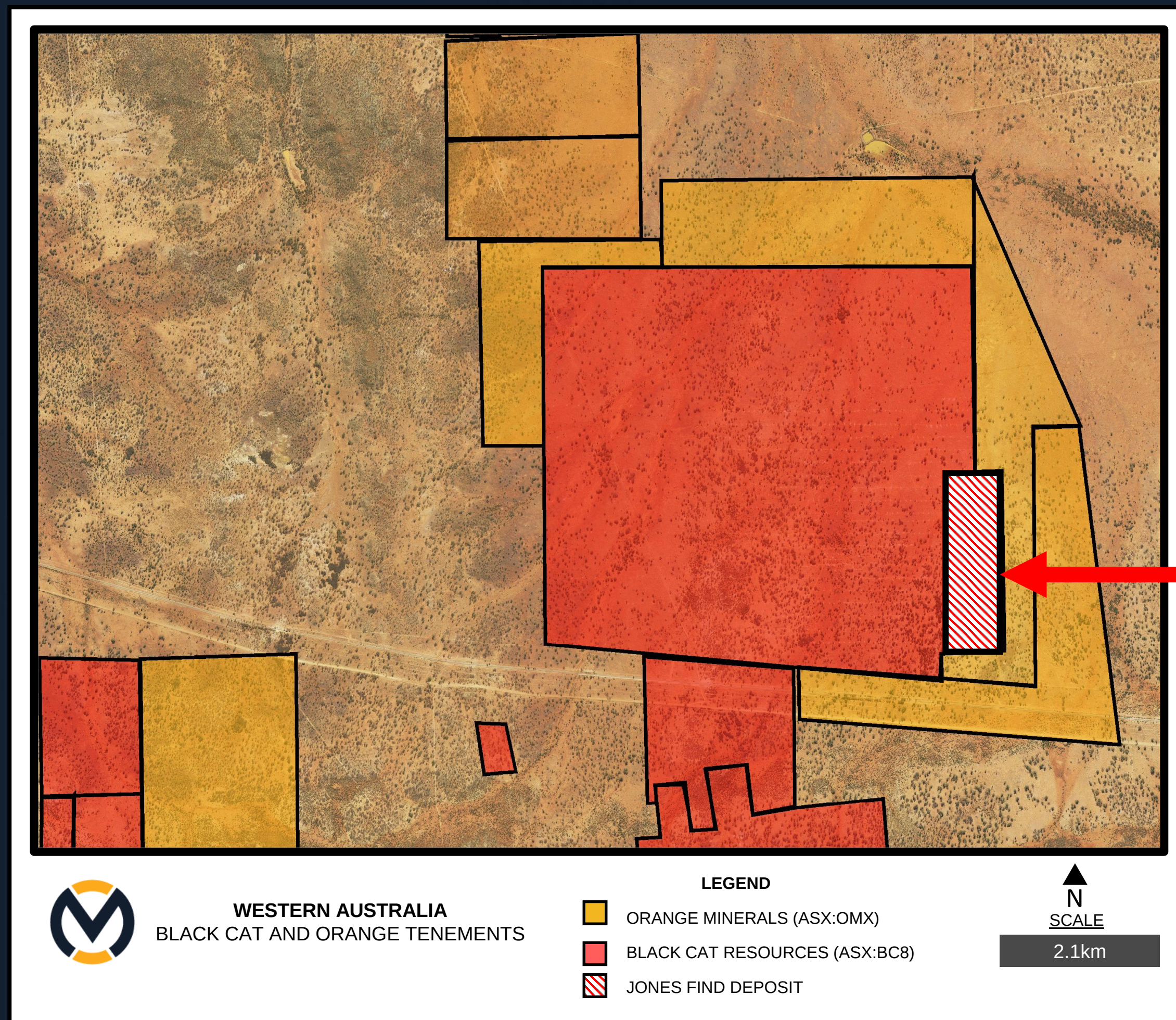
- Tenements surround the Black Cat Syndicate (ASX:BC8) Imperial Majestic Project (528,000oz)
- Multiple POW for drilling approved.
- Orange ground located within very close proximity to the Jones Find Resource (55,000oz Au)



WA PROJECT – MAJESTIC



- Tenements surround the Black Cat Syndicate (ASX:BC8) Imperial Majestic Project (528,000oz)
- 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
 - Diamond drilling completed in September 2022 with assay results pending.
- ✓ Wisemans Creek:
 - Acquired 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 completed in May 2022 with excellent intersection in OWCD004 of 24.6m @ 1.3g/t Au from 34.4m.
- ✓ 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.
- ✓ Strategic Investment in Godolphin Resources Ltd (5.86%)



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