QMINES Sustainable Australian Copper

26 MAY 2025

ANNOUNCEMENT

CONTOUR MAPPING UNCOVERS SIGNIFICANT GROWTH POTENTIAL AT MT CHALMERS

Highlights

- New grade contour mapping reveals potential for significant extensions of high-grade copper and gold zones at Mt Chalmers;
- **The review highlights several high-grade gold (+10g/t) and copper (+10%) zones that remain open along strike offering exciting new drilling targets**;
- The analysis has also identified several other areas where the Mt Chalmers, Woods Shaft, Botos and Mt Warminster deposits remain open;
- The ongoing data review and interpretation has also identified a large number of new gold exploration targets along the 20km Cawarral Gold Trend; and
- With a large-scale resource and significant growth potential, QMines is well-positioned to unlock shareholder value through discovery and development.

Introduction

QMines Limited (**ASX:QML**)(**QMines** or **Company**) is pleased to announce the results of an ongoing data review, interpretation and exploration targeting exercise at its 100% owned Mt Chalmers copper and gold project. The study initially focused on the area surrounding the historic Mt Chalmers copper and gold mine, where the Company has several JORC Compliant Resources[1] and Exploration Targets. These include the Mt Chalmers, Woods Shaft, Botos and Mt Warminster deposits, located 20km North East of Rockhampton in central Queensland (Figure 1).

From April 2021 through November 2022, QMines have delivered several Mineral Resource Estimate's (**MRE**) for the Mt Chalmers project totalling **11.3Mt @ 0.75% Cu, 0.42g/t Au, 0.22% Zn and 4.5g/t Ag**[1]. QMines later released a Pre-Feasibility Study (**PFS**) on 30th April 2024, which included an Ore Reserve Estimate of **9.6Mt @ 0.65% Cu, 0.48g/t Au, 0.27% Zn, 5.2g/t Ag and 4.3% S**[2] in the Proved and Probable categories (JORC 2012).

The PFS assesses the development of a standalone copper and gold mining and processing operation at Mt Chalmers based on a one million tonne per annum (1Mtpa) processing facility that could extract base metals (Cu, Zn, S) and precious metals (Au, Ag). Following the announcement of the acquisition of the Develin Creek and Mt Mackenzie projects and a further resource upgrade at Develin Creek, QMines is now working towards an updated PFS based on a larger scale mining and processing operation.

[1] ASX Announcement, Resource Increases by 104% with 84% now in Measured & Indicated, 22nd November 2022.
[2] ASX Announcement, Mt Chalmers PFS Supports Viable Copper & Gold Mine, 30th April 2024.

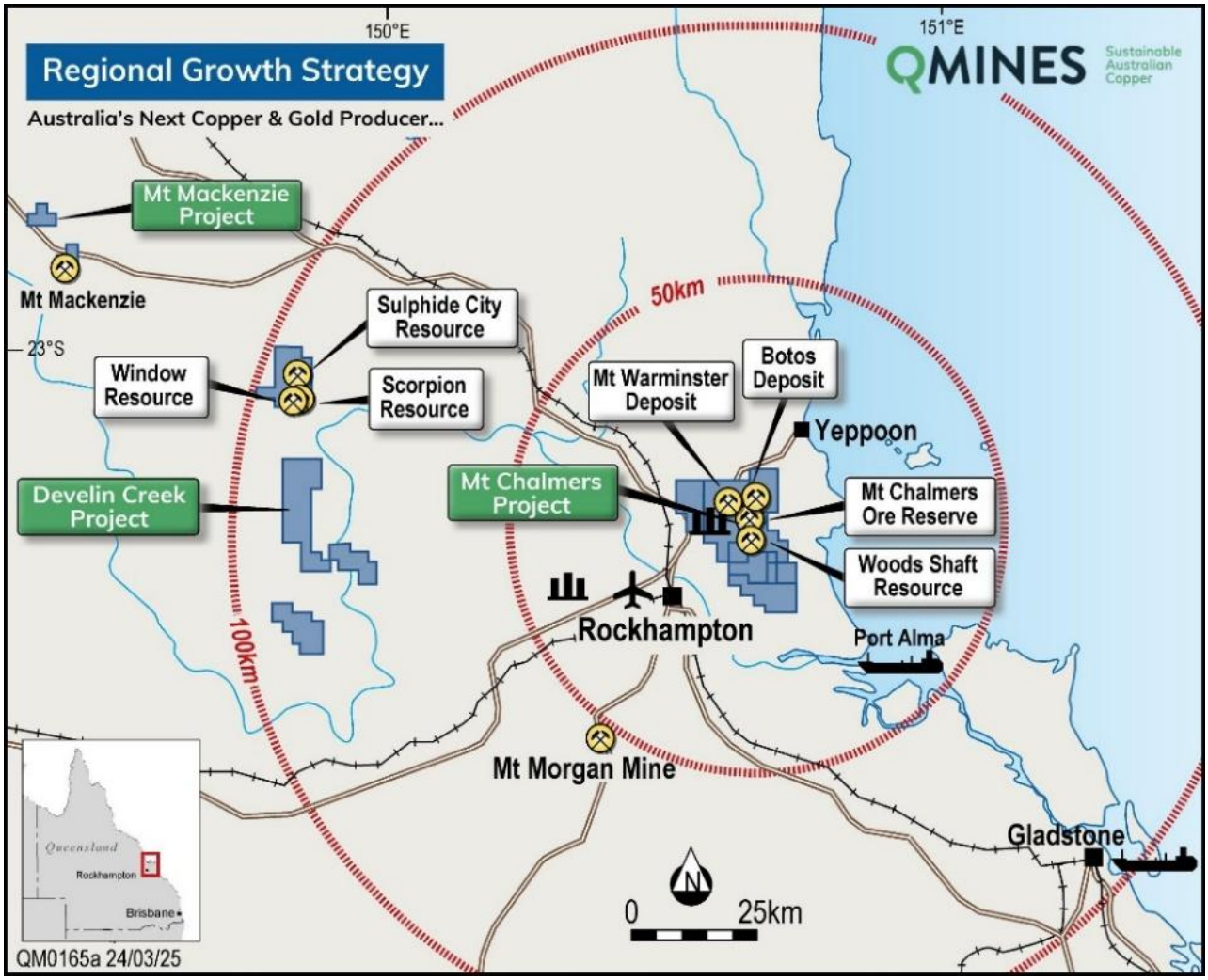


Figure 1: Project Location Map.

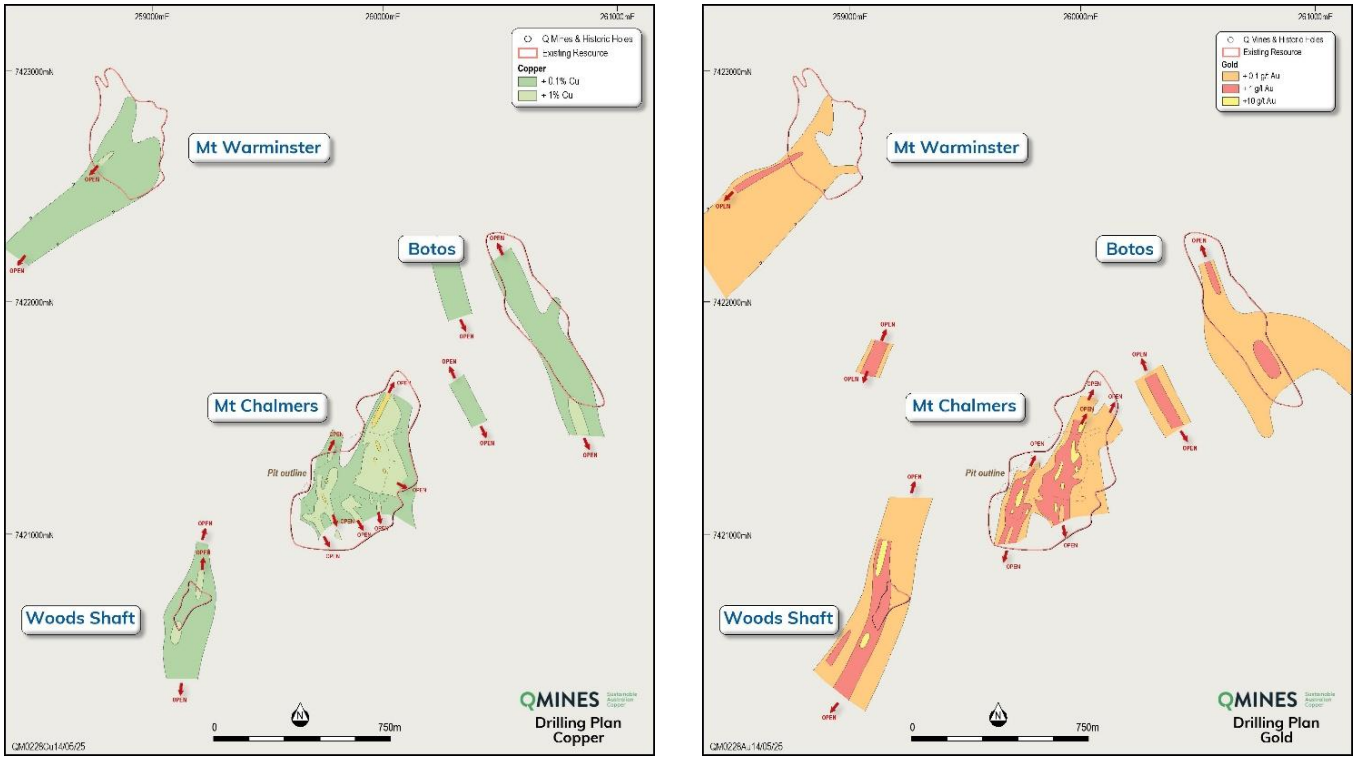
Reinterpretation Demonstrates Significant Potential

The following interpretation is based on pre-existing drill data (from QMines and previous workers) already reported to the market via the ASX. To date, the Company has been heavily focused on delivering a PFS for the Mt Chalmers Deposit, and more recently on expanding that study to include the Develin Creek deposits and acquiring the Mt Mackenzie deposit all with the view to delivering a project with significant scale. While the drilling at Develin Creek continues, the Company has taken the opportunity to look for additional gold and copper targets at the Mt Chalmers Project. The discovery of the Artillery Road skarn deposit highlighted the potential for other styles on mineralisation previously not recognised in the district.

The diagrams below show the contoured values of copper and gold from existing drilling at the Mt Chalmers project. The analysis shows that there are significant gaps in the drilled areas largely due to the historic focus on drill testing either soil geochemical anomalies, geophysical anomalies and areas of mapped outcropping mineralisation.

As can be seen in the diagrams, most of the mineralised areas remain open along strike. Note that the mineralisation is clustered and potentially, in the case of Woods Shaft, Mt Chalmers and Botos, a stacked system of repetitive mineralisation events suggesting greater potential.

Additional information can also be found in Appendix 1 where similar contours for Zinc and Silver are also presented as well as enlargements for individual target zones. This new interpretation is suggesting significantly greater potential exists in this area then has been previous considered.



Figure(s) 2: Copper and Gold Contours.

These deposits lie along the Cawarral Gold Trend, where the Company has favourable geology along a 20km strike length (Figure 3). The Company intends to announce a series of updates related to other known gold targets as the work proceeds.

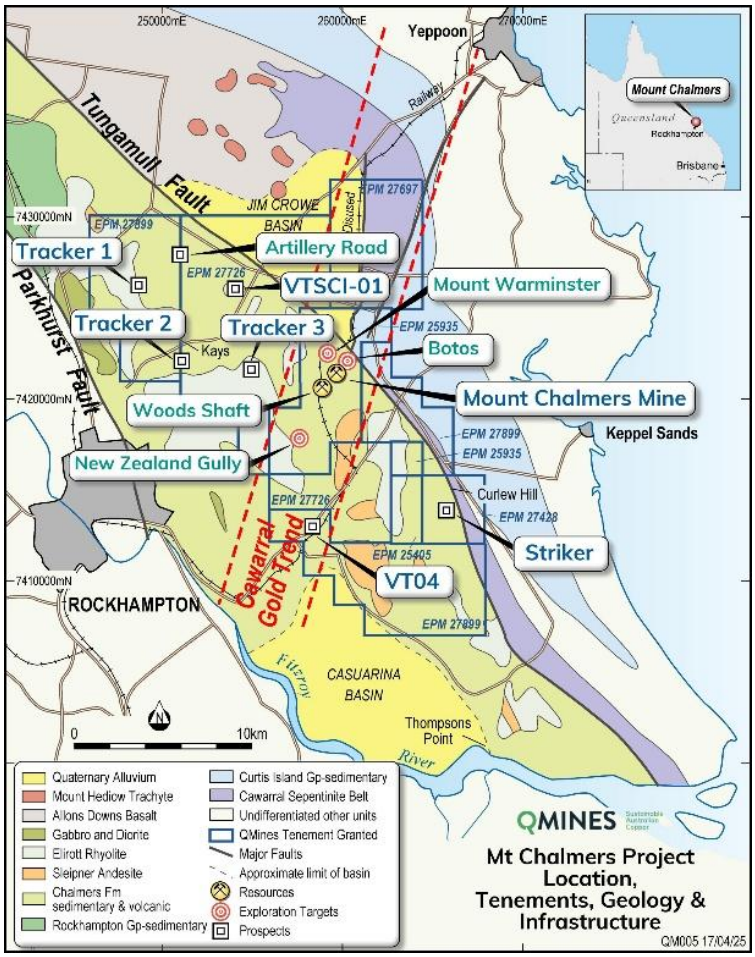


Figure 3: Geology map of the Mt Chalmers project showing the Cawarral Gold Trend.

Background

Mt Chalmers was first mined in the late 1800's as an outcropping gold deposit. The base metals at Mt Chalmers were discovered later. Given this, the Company is of the view that significant potential remains to discover further gold deposits along this 20km trend.

As previously announced, the Company has invested heavily in its geological data base which to date has generated in excess of 50 exploration targets for follow up. This data base re-interpretation is designed to generate further gold and copper targets near the proposed Mt Chalmers processing plant.

The maps below show drill hole locations at the various deposits. They also show, in the case of Mt Chalmers, the outline of the existing open pit, and in the case of the Mt Chalmers and Woods Shaft maps, the outline of the existing resources. In the case of the Botos and Mt Warminster deposits, the below maps show the outline of the JORC compliant exploration target.

The contours on the maps were interpreted by hand and represent down hole assay values projected to surface. Precious metals (Au and Ag) were contoured at 0.1g/t, 1g/t, and 10 g/t, while base metals were contoured at 0.1%, 1%, and 10%. The contours highlight broad and discrete trends in the metal distribution and also highlight areas of further potential.

Mt Chalmers

The Mt Chalmers deposit has long been interpreted as a Kuroko style VHMS deposit which extends over a 1,200m strike length. The mineralisation thickness at Mt Chalmers is up to 50m in parts, with average thickness being approximately 10-30m. Mineralisation extends to approximately 200m below surface.

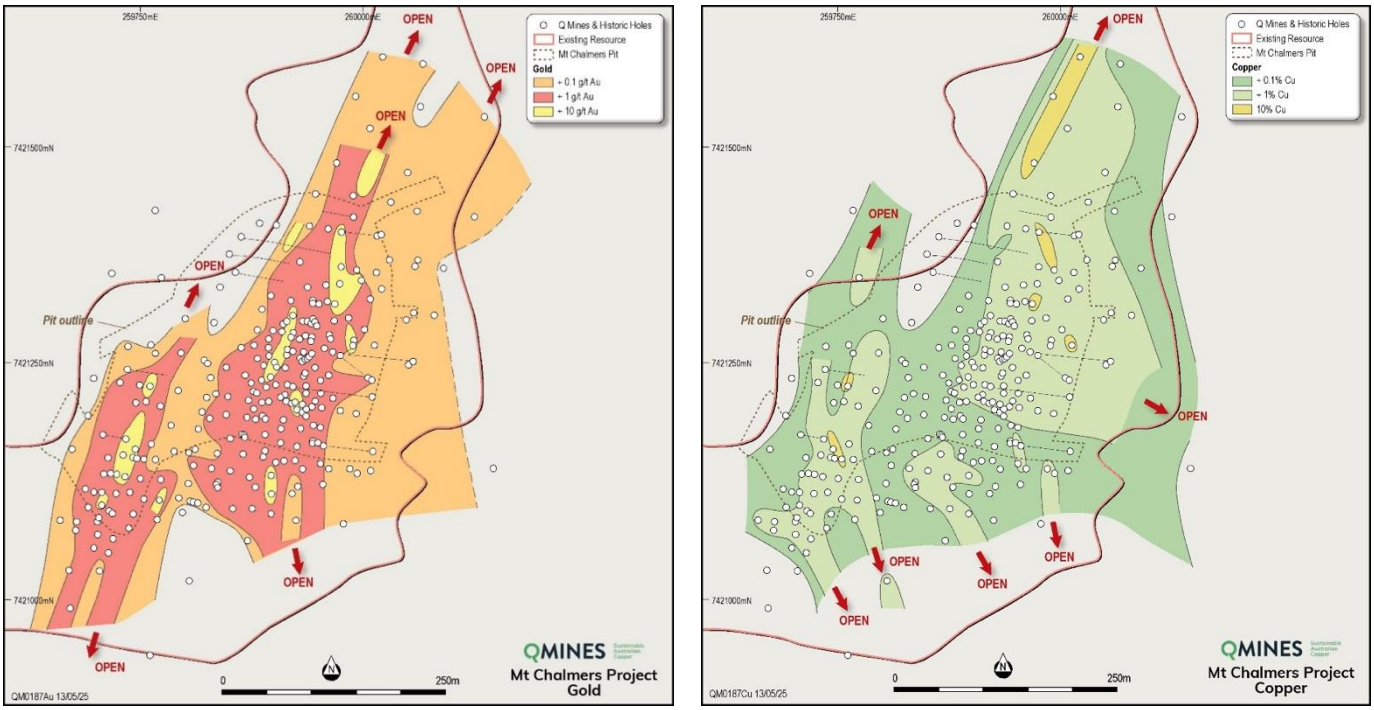
At Mt Chalmers, the resource is divided into three mineralisation types, namely the Massive Sulphide, Exhalite and Stringer zones and their oxide equivalents. The resource has an overall strike length of approximately 700m north-south and an east-west extent ranging between 250m and 350m. The difference in strike length between the known Mt Chalmers deposit and the current resource demonstrates that mineralisation outside of the resource extends at least 500m beyond the resource. The extent of the deposit is constrained by the limit of resource drilling undertaken at the project.

Work on Mt Chalmers by researchers[3] at CODES (University of Tasmania) in 2003 suggested that the at least some of the copper and gold mineralisation seen at Mt Chalmers was from a magmatic source rather than the typical sea-water recirculation through the volcanic pile which is typical of Kuroko style mineralisation. The implication is that additional copper and gold has been deposited at Mt Chalmers and that the copper and gold mineralisation could potentially have different controls. Further, gold and copper mineralisation could extend beyond the known resource.

While the deposit is relatively undeformed, there is some evidence that gold and copper mineralisation may have structural controls. These controls extend both along strike and at depth.

As seen in Figure 4, there are two parallel and higher-grade gold zones that lie approximately 100m apart. The higher-grade zones contain areas of greater than 10g/t Au mineralisation striking NNE with strike lengths of between 50 and 100m.

[3] *Zaw et al (2003). Microthermometry and chemical composition of fluid inclusions from the Mt Chalmers volcanic-hosted massive sulfide deposits, central Queensland, Australia: implications for ore genesis. University of Tasmania. Journal contribution. https://hdl.handle.net/102.100.100/594327*



Figure(s) 4: Gold and Copper Contours – Mt Chalmers.

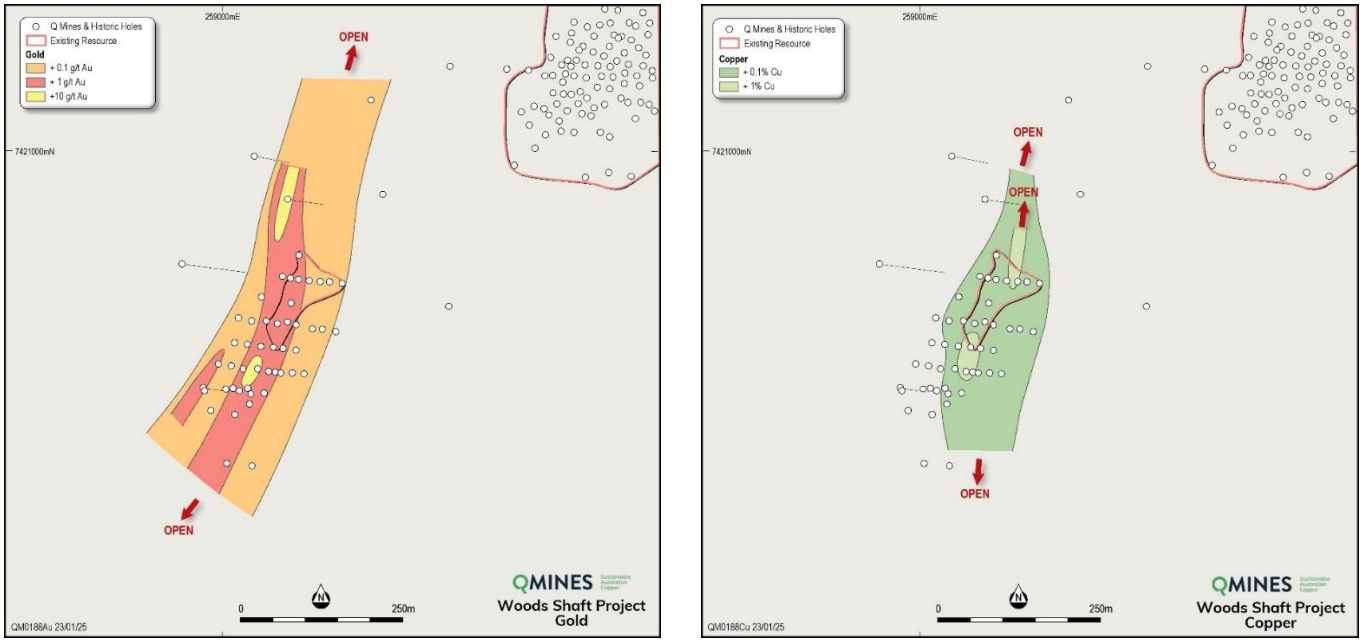
The higher-grade copper mineralisation at Mt Chalmers also occurs in two pods, spaced approximately 100m apart. Interestingly, there is a spatial association with the +10% Cu values and the +10g/t Au values to the north of the deposit that appear to be structurally controlled. Importantly, this high-grade gold and copper mineralisation remains open to the north. This represents an exciting and high-grade copper and gold exploration target that the company intends to pursue.

Woods Shaft

The Woods Shaft deposit, situated approximately 700m to the southwest of the Mt Chalmers deposit, currently has a strike length of at least 500m. The deposit is open along strike in both directions with values exceeding 10g/t Au in drilling to the north. The south of the deposit also remains open in +1g/t gold values. There is evidence of a second parallel zone lying to the west, approximately 50m away from the main zone. This zone is also open to the south with values of greater than 1g/t Au.

The Woods Shaft resource has been defined by historic drilling to be over 250m in strike length and up to 40m wide. Mineralisation is from surface to a depth of 90m in places and contains gold and base metal mineralisation.

The difference in strike length between the known Woods Shaft deposit and resource demonstrates that there is at least 250m of additional strike length of known extensions. The extent of the deposit is constrained by the limit of resource drilling undertaken at the project.

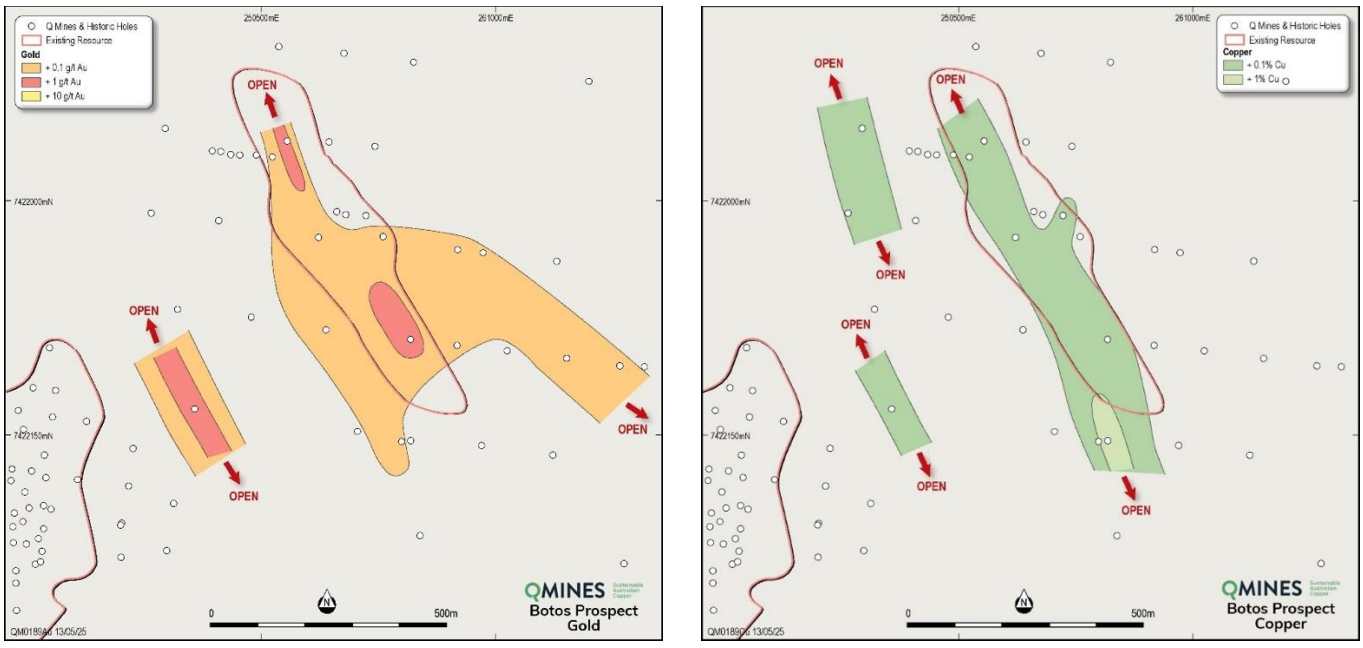


Figure(s) 5: Gold and Copper Contours – Woods Shaft.

Botos Prospect

The Botos prospect, lies approximately 700m north east of the Mt Chalmers deposit. The deposit is flat lying, and measures approximately 750m in strike and 200m in width with a thickness ranging from 4m to 10m. Botos has limited historic drilling and remains open to the north with values of greater than 1g/t Au and possibly open to the south.

There is evidence of a second parallel structure, approximately 200m to the south west, partway between Botos and Mt Chalmers. This additional zone only has broad scale reconnaissance drilling and remains open along strike with values of greater than 1g/t Au.



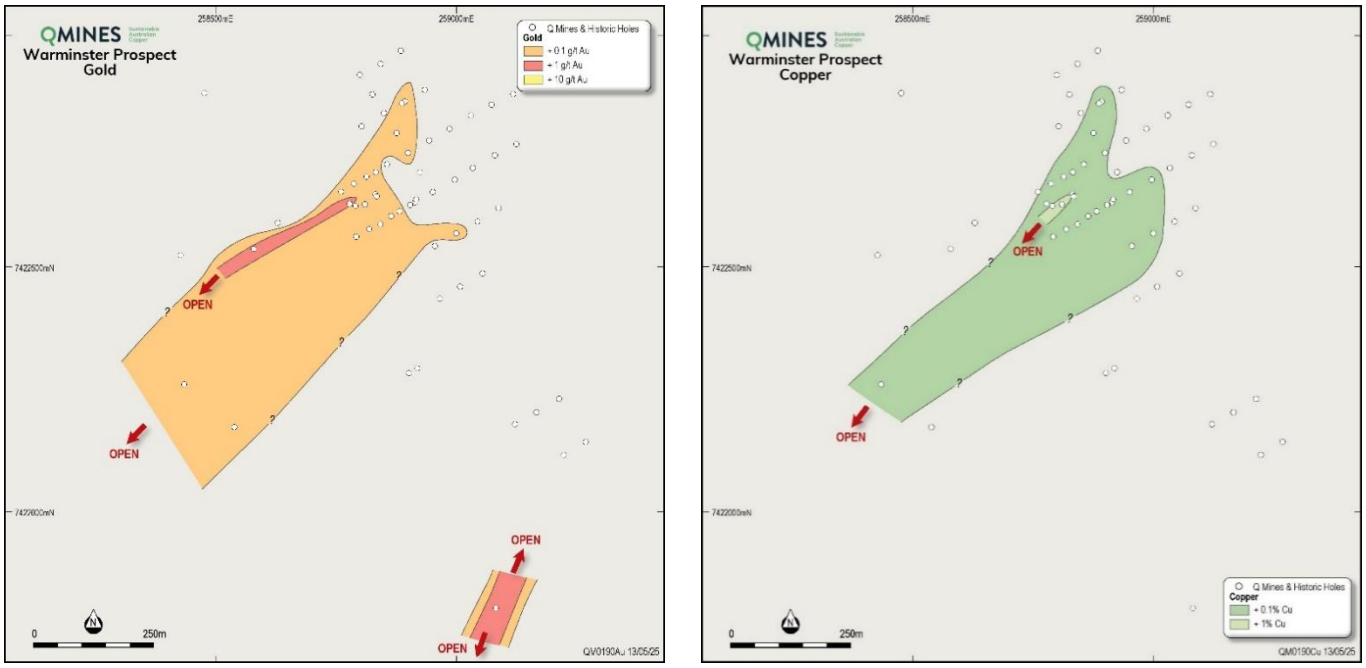
Figure(s) 6: Gold and Copper Contours – Botos.

Mt Warminster Prospect

The Mt Warminster prospect lies approximately 2km north-west of the Mt Chalmers open pit. This area has received a modest amount of historic drilling and remains open in several directions.

This target measures approximately 500m in strike, 120m to 350m in width with thickness ranging from 6m to 40m. The deposit outcrops in the west. The interpretation suggests that the mineralisation is open to the northwest and southwest.

At Mt Warminster, there is evidence of a second zone, approximately 800m southeast of the deposit, partway between Mt Warminster and Mt Chalmers. This area has received only sparse drilling and remains open in all directions with values greater than 1g/t Au.

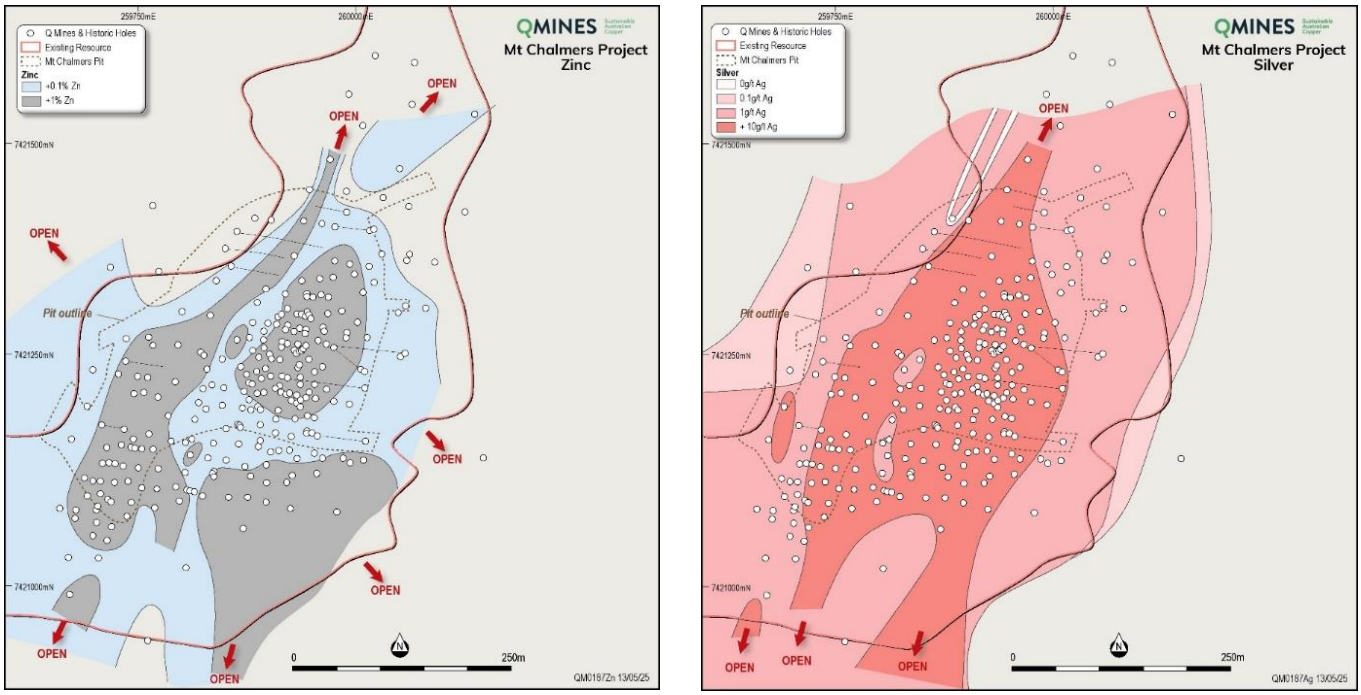


Figure(s) 7: Gold and Copper Contours – Mt Warminster.

Zinc and Silver contours have also been generated for these zones of mineralisation, see Appendix below for further details.

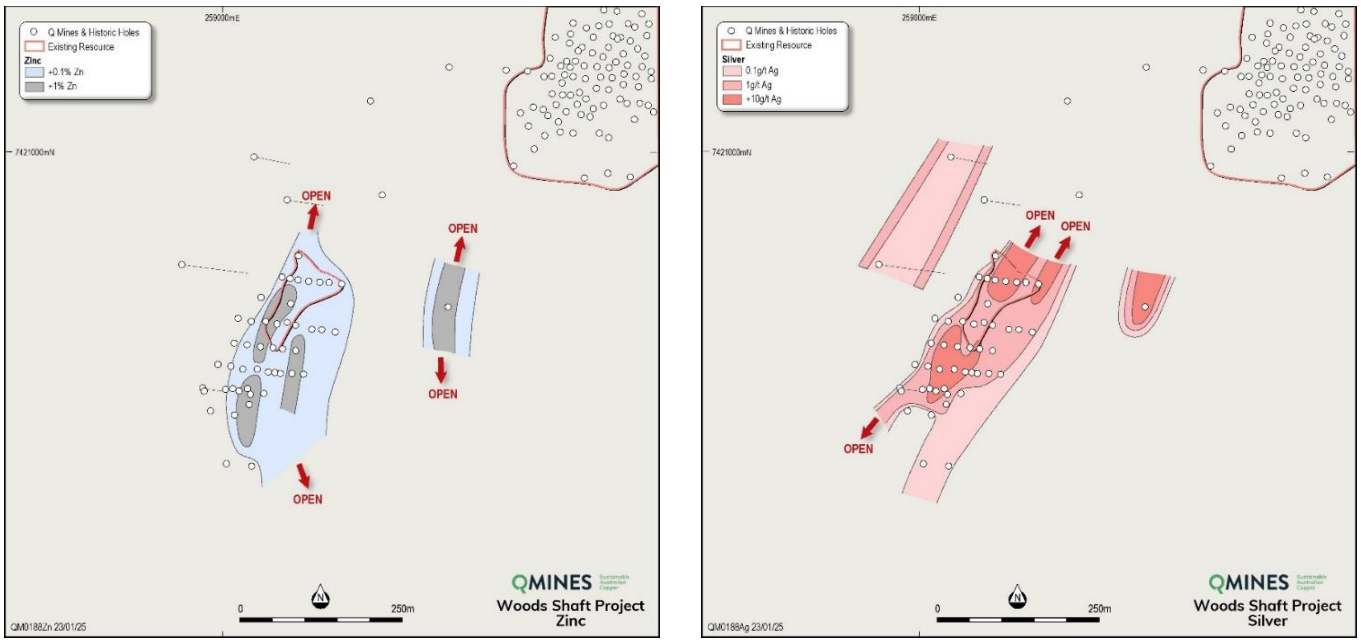
Appendix 1

Mt Chalmers



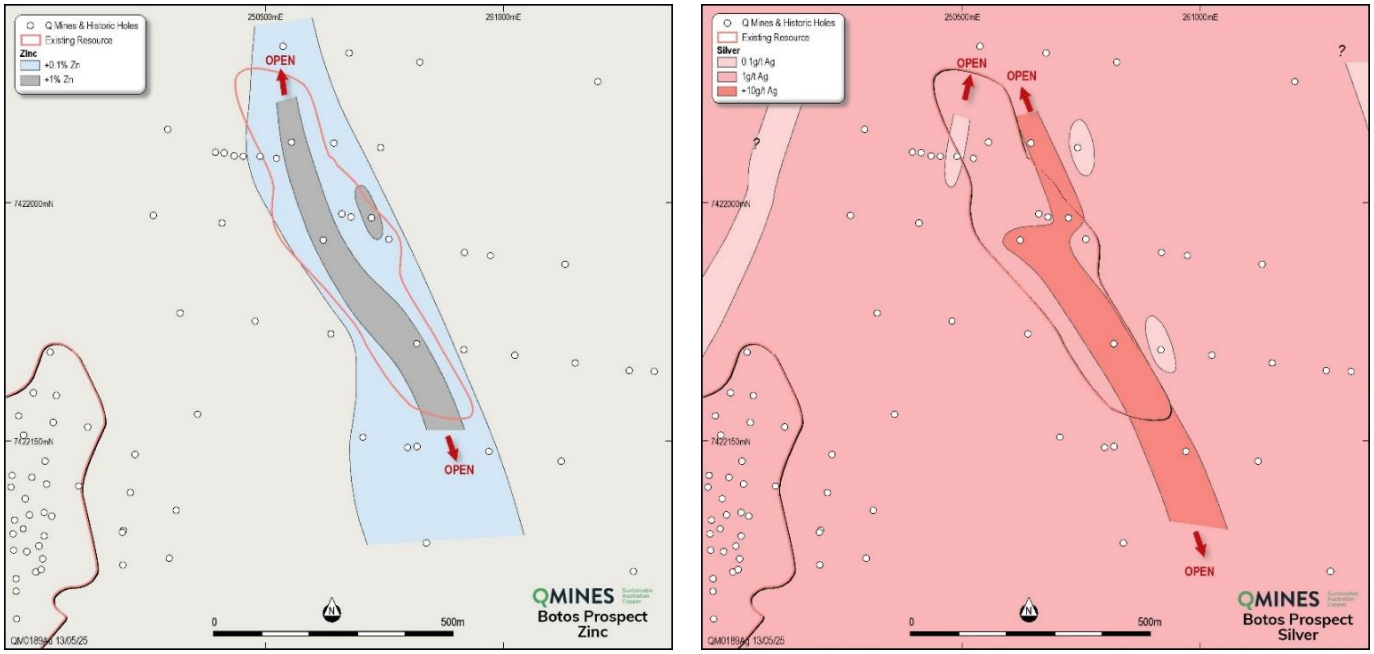
Figure(s) 8: Zinc and Silver Contours – Mt Chalmers

Woods Shaft



Figure(s) 9: Zinc and Silver Contours – Woods Shaft

Botos



Figure(s) 10: Zinc and Silver Contours – Botos

Mt Warminster

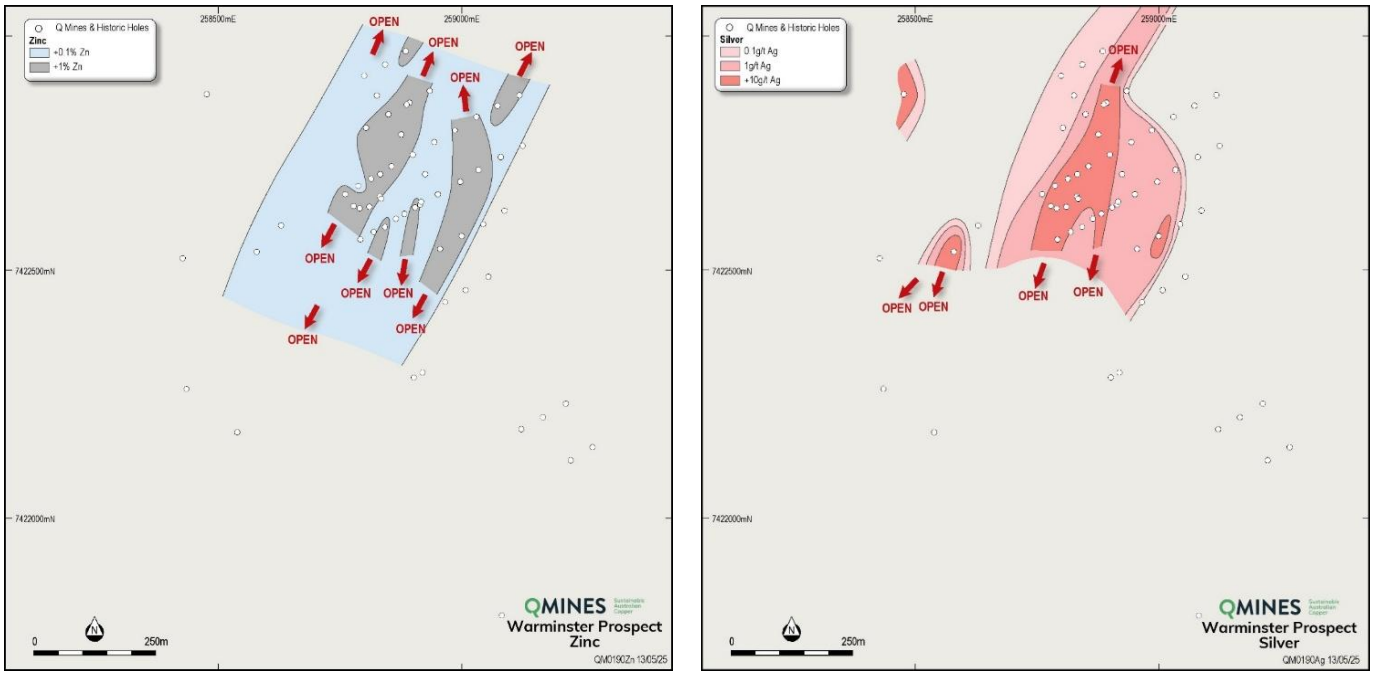


Figure 11: Zinc and Silver Contours – Mt Warminster

Cautionary Statement

The PFS supports the development of an open pit mining operation to a depth of 220m at Mt Chalmers. The integrated Production Target Inventory schedule that forms the basis of the economic analysis for the Mt Chalmers open pit project comprises 91% Measured and Indicated resources and Inferred resource representing 9% of the overall tonnage to be mined and processed over the Life Of Mine (LOM) based on the current Mineral Resource Estimate (MRE). The Company is satisfied that the viability of the Project is not dependant on the Inferred Mineral Resources included in the Production Target Inventory.

Forward-Looking Statements

This document may include forward-looking statements. Forward-looking statements include, but are not limited to, statements concerning QMines Limited planned exploration program and other statements that are not historical facts. When used in this document, the words such as "could," "plan," "expect," "intend," "may", "potential," "should," and similar expressions are forward-looking statements. Although QMines believes that its expectations reflected in these forward- looking statements are reasonable, such statements involve risks and uncertainties and no assurance can be given that further exploration will result in the estimation of a Mineral Resource.

Competent Person Statements

Ore Reserve Estimate

The Information in this Report that relates to the Open Pit Optimisation and Ore Reserve Estimate and is based on information compiled by Mr Gary McCrae, a Competent Person who is a Member of the Australasian Institute of Mining and Metallurgy. Mr McCrae is a full-time employee of Minecomp Pty Ltd. Mr McCrae 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 McCrae consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Mineral Resource Estimate

The information in this report that relates to mineral resource estimation is based on work completed by Mr. Stephen Hyland, a Competent Person and Fellow of the AusIMM. Mr. Hyland is Principal Consultant Geologist with Hyland Geological and Mining Consultants (HGMC), who is a Fellow of the Australian Institute of Mining and Metallurgy and holds relevant qualifications and experience as a qualified person for public reporting according to the JORC Code in Australia. Mr Hyland is also a Qualified Person under the rules and requirements of the Canadian Reporting Instrument NI 43-101. Mr Hyland consents to the inclusion in this report of the information in the form and context in which it appears.

Exploration

The information in this document that relates to mineral exploration and exploration targets is based on work compiled under the supervision of Mr Glenn Whalan, a member of the Australian Institute of Geoscientists (AIG). Mr Whalan is QMines' principal geologist and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity that he is undertaking 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' (JORC 2012 Mineral Code). Mr Whalan consents to the inclusion in this document of the exploration information in the form and context in which it appears.

About QMines

QMines Limited (**ASX:QML**) is a Queensland focused copper and gold development Company. The Company owns 100% of the Mt Chalmers (copper-gold) and Develin Creek (copper-zinc) deposits, located within 90km of Rockhampton in Queensland.

Mt Chalmers is a high- grade historic mine that produced 1.2Mt @ 2.0% Cu, 3.6g/t Au and 19g/t Ag between 1898-1982.

Following several resource updates, Mt Chalmers and Develin Creek now have Measured, Indicated and Inferred Resources (JORC 2012) of **15.5Mt @ 0.82% Cu, 0.35g/t Au, 0.47% Zn & 5g/t Ag**.[1]

QMines' objective is to make new discoveries, commercialise existing deposits and transition the Company towards sustainable copper production.

Project & Ownership

Mt Chalmers	100%
Develin Creek	100%

QMines Limited

ACN 643 312 104

ASX:QML

Unlisted Options

5,750,000

Shares on Issue

428,902,886

Directors & Management

Andrew Sparke
Executive Chairman

Peter Caristo
Non-Executive Director (Technical)

Glenn Whalan
Geologist (Competent Person)

James Anderson
General Manager Operations

Elissa Hansen
Non-Executive Director & Company Secretary

Compliance Statement

With reference to previously reported Exploration results and mineral resources, the Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources or Ore Reserves, that all material assumptions and technical parametres underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

1. ASX Announcement - Develin Creek Resource Upgrade, 12 March 2025.

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