Trigg identifies multiple epithermal gold targets for drilling at Drummond Basin project, QLD

HIGHLIGHTS

- **Targeting process identifies multiple epithermal gold targets for geophysics and drilling across Trigg Minerals wholly owned Drummond Basin gold project in North Queensland**
- **Geotechnical consultant Global Ore Discovery has completed the integration of all historical datasets, and developed high priority field programs for immediate drilling**
- **Project-wide analysis of integrated datasets, including re-processing of historical geophysical data continues to define additional targets**
- **Priority epithermal gold targets identified at Old Glenroy and Sandalwood Creek for geophysical surveys and/or drilling**
- **Geophysical programs scheduled for March 2024 with drill program expected to commence Q2 CY2024**

Trigg Minerals Limited (ASX: **TMG**) ("**Trigg**" or the "**Company**") is pleased to report geological and technical consultancy Global Ore Discovery Pty Ltd ("**Global Ore**") has completed the integration of all historical datasets as part of a mineral systems analysis and targeting process at Trigg's 100%-owned 540km^2 Drummond Basin gold project in northern Queensland.

Additional third-party datasets continue to be reprocessed and incorporated into the targeting work, which has defined priority geophysical and drilling targets for follow-up by Trigg in March 2024, ahead of drilling planned immediately thereafter.

Datasets interrogated during the comprehensive mineral system analysis include stream sediments, soil samples, rock chips, drilling, SpecTIR hyperspectral mineral mapping, magnetics, radiometrics, induced polarisation, geological mapping, State Geological Survey Structures and State Mineral Occurrences.

Global Ore is a geological expert in the technical analysis and discovery of epithermal gold systems in Queensland and is assisting Trigg with compilation and analysis of all available technical data.

> **Chairman Timothy Morrison said:**
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> *"Work completed to compile all available datasets for our Drummond Basin gold project in Queensland has been very successful. Several promising targets have been identified for Trigg for immediate follow up with further exploration, including geophysical surveying and drill testing over the next few months. The Drummond Basin, is a well-endowed mineral province with more than 7 million ounces of contained gold regionally, and we are excited to be accelerating our exploration efforts to uncover the potential of our newly acquired gold projects in Queensland. I look forward to reporting on our progress as these activities ramp up in the next Quarter."*

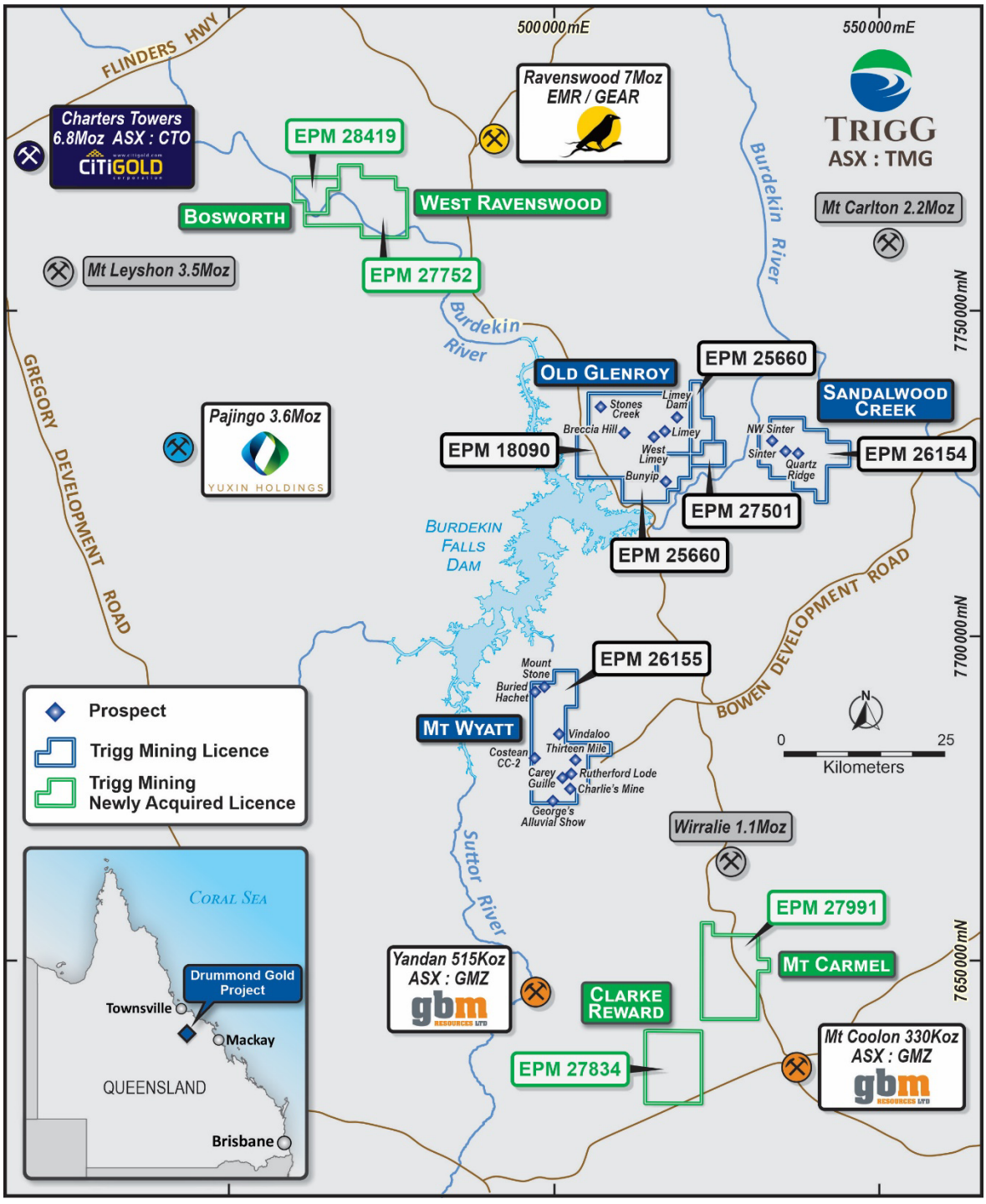

Figure 1: Trigg Minerals' Drummond Basin Gold Project including recently acquired permits

Data review identifies priority gold targets for geophysics and drilling

Old Glenroy Target - EPM 18090, EPM 25660, EPM 27501 (see Figure 2)

Breccia Hill covers a mineralised footprint measuring 500m x 750m, revealing the presence of a significant gold and arsenic soil geochemistry anomaly spanning 1.2km x 1.5km. To further explore

this promising anomaly, a comprehensive dipole-dipole induced polarization (IP) ground geophysics survey covering a line-distance of 10km is scheduled for March/April 2024.

This extensive survey will serve as the foundation for an upcoming drill hole program, allowing for precise targeting and exploration of the identified mineralised area. With careful consideration given to weather conditions and accessibility, these strategic initiatives aim to unlock the full potential of this promising gold-arsenic anomaly.

Sandalwood Creek Project - EPM 26154

Panhandle target

Data analysis at Quartz Ridge has identified a new 6km x 1km geochemical soil anomaly and an 800m x 700m mineralised footprint during the targeting process. This exhibits geochemical signatures analogous to other low sulphidation, gold-rich systems within the Drummond Basin Project and represents a new area of interest for the exploration team. This new under-explored surface geochemical anomaly is a high priority for follow-up field investigations.

Leichhardt Mineral System target

A newly identified Leichhardt Mineral System of 1.4km x 0.5km interpreted to be a Mount Leyshon-style intrusion-related gold system has also been identified by the team. Mapping and rock-chip sampling program will follow up on these newly identified soil anomalies.

Sinter target

A new sinter target has been identified across a 1.1km x 600m mineralisation footprint with a corresponding 400m x 600m gold-arsenic-antimony-silver geochemical soil anomaly. Sinter targets are characteristic of epithermal deposits as the epithermal flows finish at the surface. High levels of antimony and, a lack of gold and sinter textures indicate that the boiling/gold mineralisation zone may be at depth. A planned soil sampling grid will further define the anomaly and add to our confidence for further exploration.

Limey Trend Target

Within the Limey Trend a 2.1km x 800m mineralised footprint in the south and another 500m x 900m mineralised footprint in the north have been identified and are both supported by a 6.2km x 2km gold and arsenic soil anomaly. This extensive coincident anomaly will be subject of the planned Induced Polarisation (IP) geophysics with the aim of confirming precise drill targets.

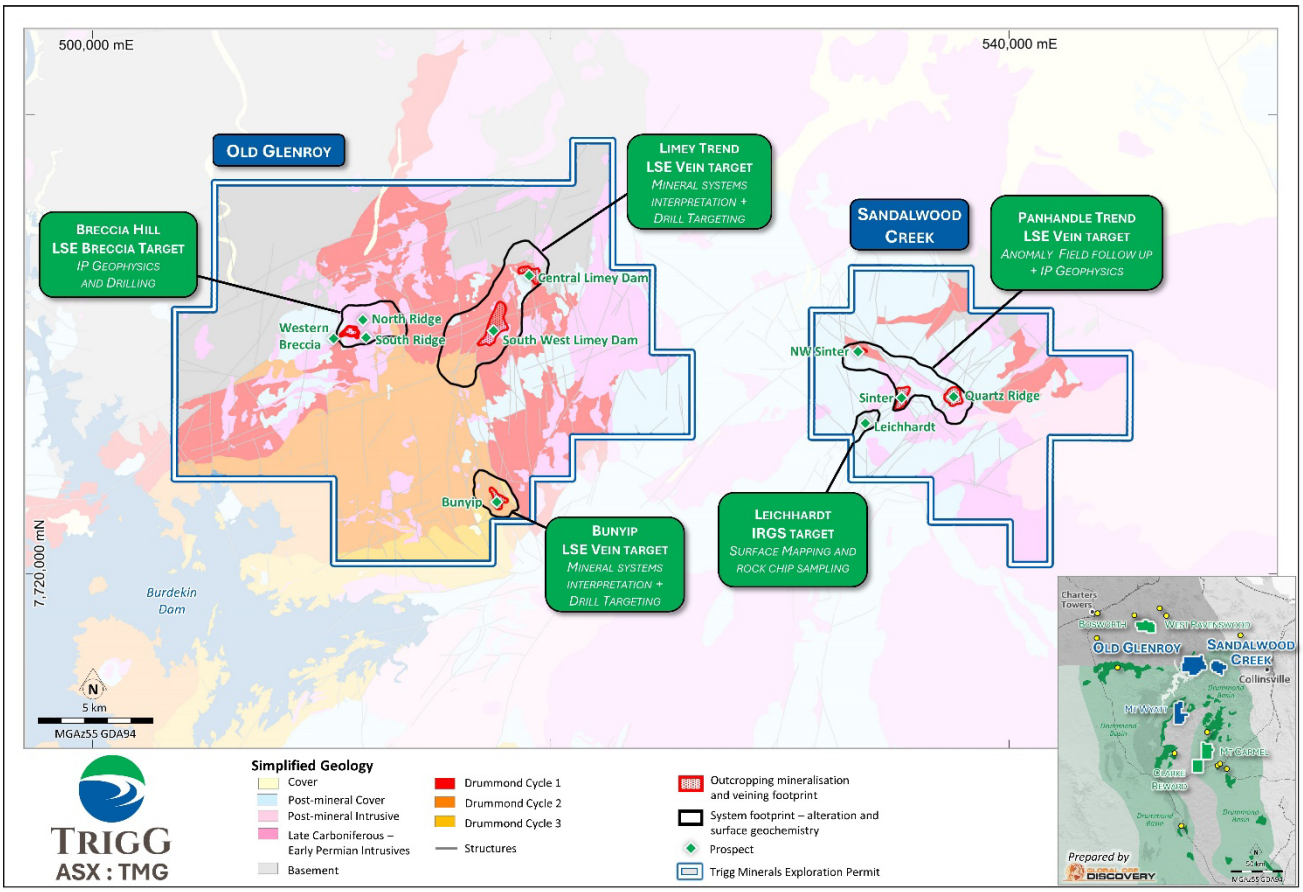

Figure 2: Old Glenroy and Sandalwood Creek targets within the Drummond Basin, QLD

Next Steps for Drummond Basin Project

- Conduct a Dipole-Diploe IP survey at Breccia Hill and other high-priority mineral systems including the Limey Trend and the newly discovered targets at Sandalwood Creek.
- Integrate IP results into the drillhole targeting process at the Breccia Hill Mineral System to define targets for drilling planned early in Q2 CY2024.
- Finalise additional drill testing of high-priority targets to coincide with drilling at the Breccia Hill Mineral System.
- Plan additional soil grids, rock chipping and mapping to further extend and understand the mineralisation footprint at the Leichhardt Mineral System.

This announcement was authorised to be given to ASX by the Board of Directors of Trigg Minerals Limited.

Timothy Morrison
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Forward Looking Statements

This report contains forward-looking statements that involve several risks and uncertainties. These forward-looking statements are expressed in good faith and believed to have a reasonable basis. These statements reflect current expectations, intentions or strategies regarding the future and assumptions based on currently available information. Should one or more of the risks or uncertainties materialise, or should underlying assumptions prove incorrect, actual results may vary from the expectations, intentions and strategies described in this announcement. No obligation is assumed to update forward looking statements if these beliefs, opinions, and estimates should change or to reflect other future developments.

Competent person statement

The information in this announcement that relates to Exploration Targets is based on information compiled by Stephen Ross of Trigg Minerals Limited, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy Stephen Ross is a director of Trigg Minerals Limited 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'. Stephen Ross consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.