

## TEM | Meleya Project Update - Drilling Commencement

### Key Points

- Drilling at the Meleya Project has commenced
- Two initial diamond holes to test the Orion Target
- Drillholes will provide unprecedented geological context to new geological terrain
- Ongoing fieldwork

### News Item

Tempest Minerals Ltd (TEM) is pleased to inform the market of the commencement of drilling at the Meleya Project. This initial program at Meleya will consist of two diamond drillholes which (in line with the proposal for government co-funding), will be the first subsurface exploration ever conducted in this region and will provide an unprecedented level of new data to this new geological terrain going forward.

### Meleya Project

#### Commencement Of Drilling

Following on from the successful application for EIS co-funding in 2021 <sup>1</sup>, TEM recently announced that preparations for the maiden drilling campaign at the Company's flagship Meleya Project was in the final stages <sup>2</sup>. TEM is pleased to inform the market that drilling has now commenced with the first of the two planned EIS holes at the Orion target zone now in progress.



Figure 01: DDH1 drill rig setup on hole WARDH72

## Background

While studying the nearby Warriedar Intrusive Related Gold occurrence (to the west of Meleya) in 2019, TEM geologists identified discordant geophysical signatures which did not correlate with existing geological maps of the region. This was interpreted as a possible extension of the Yalgoo Greenstone belt including the critical Golden Grove formation.

The Yalgoo Greenstone belt is an extremely fertile mineral field with an abundance of mineralisation styles, including: Intrusion Related Gold (IRG), Lode Hosted / Orogenic gold, Gold Tungsten Skarn and Iron Ore. In addition there is the notable presence of the world class Volcanogenic Massive Sulphides (VMS) style Golden Grove (Copper Zinc Gold Silver) Mine only 20km along strike to the north.

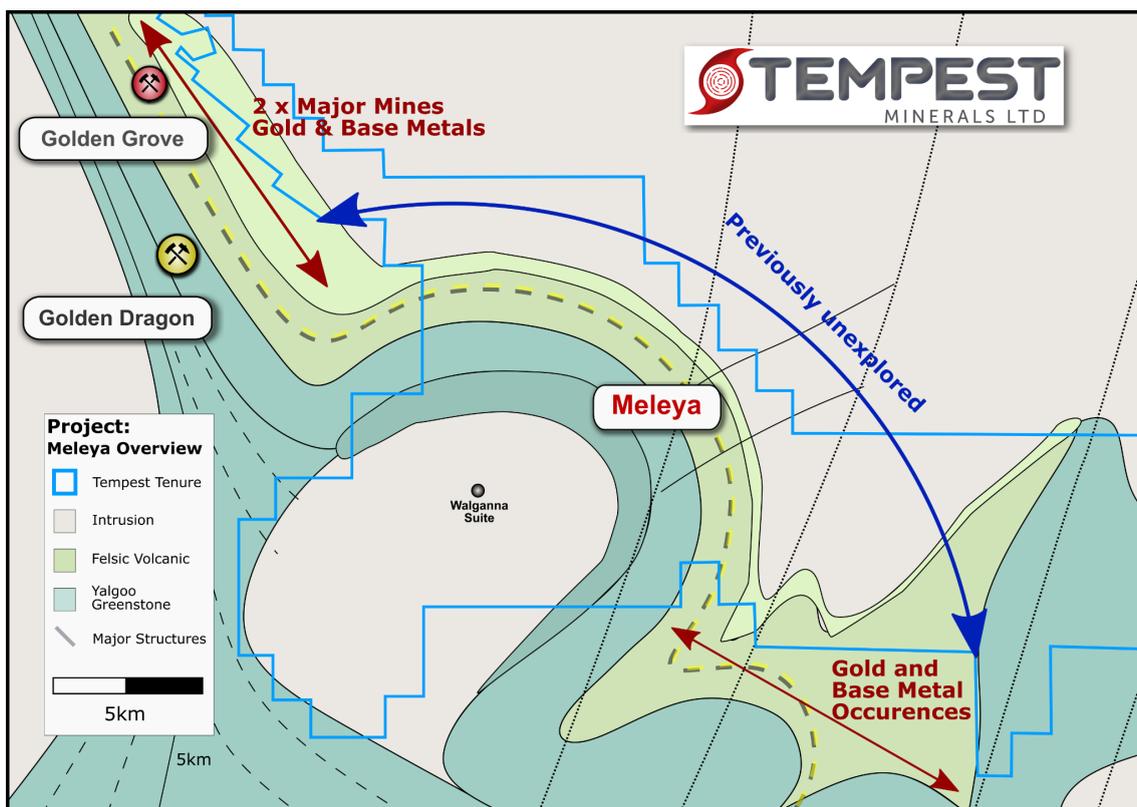


Figure 02: Schematic view of the Meleya Project

## Geology

In 2020, wide spaced mapping and surface sampling was conducted over the greater Meleya Project area which identified the presence of multiple gold and base metal anomalies <sup>3</sup>.

Further mapping of the project identified large scale outcrops of metamorphosed supracrustal mafic and felsic 'greenstone' units wrapped around a shallow intermediate intrusion known as the Walganna Suite.

Additional whole rock geochemistry studies along the interpreted strike of the target zone confirmed the likely presence of the Golden Grove formation and the strong prospectivity of the project <sup>4</sup>. This was followed up with reprocessing of geophysics <sup>5</sup> (magnetic) datasets which assisted the field mapping to identify the presence of numerous large scale structures considered to be highly favourable for feeder zones for mineralisation.

Ongoing field and interpretive work also identified the presence of multiple coincident geophysical and geochemical anomalies including the 'Orion' target.



Figure 03: Evolution of the Meleya Project (Legacy map, outcrop, 2021 interpreted geology and targets)

### Orion Target

The Orion Target is a coincidental geophysical (magnetic high) and geochemical (multi-elemental) anomaly. The maiden drilling program will be two holes testing the Orion target which is a coincident geochemical, geophysical and structural anomaly.

The 2 holes currently planned (Holes WARDH72 and 73) will test the Orion target and will also be drilled to approximately 700m and 1000m depth respectively in order to gather data critical for furthering the understanding of this new geological terrain. All core will be subjected to an extensive suite of established and cutting edge geoscientific analyses and will provide unprecedented information for future exploration in the region which will include core to be presented to the GSWA for inclusion in the core library<sup>6</sup>.

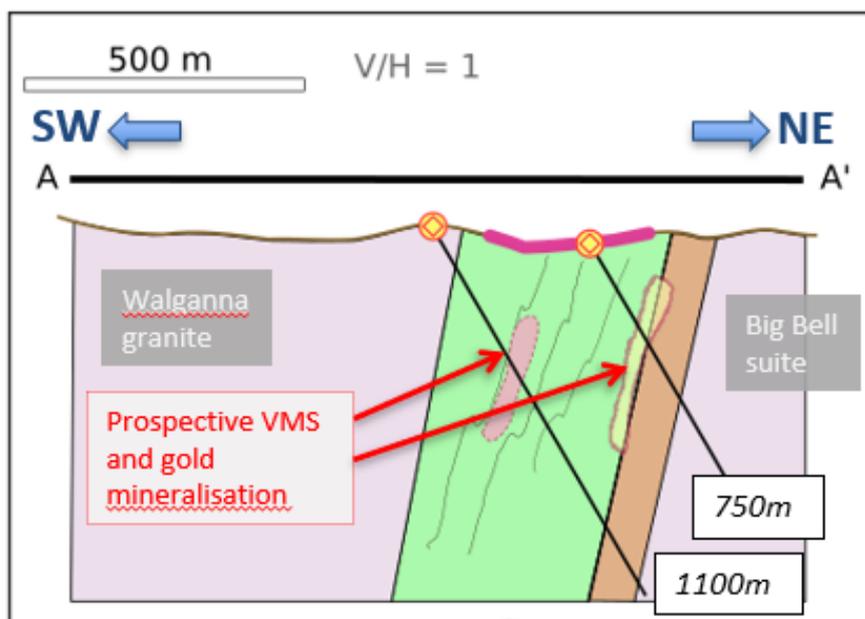


Figure 04: Schematic profile of the planned drilling at the Orion target with possible geology

### Next Steps

- Drilling at the Meleya Project / Orion target to continue this quarter
- Planning and preparation for additional drill programs at Euro and Meleya in progress
- Ongoing fieldwork across the Company's projects

The Board of the Company has authorised the release of this announcement to the market.

## About TEM

Tempest Minerals Ltd is an Australian based mineral exploration company with a diversified portfolio of projects in Western Australia considered highly prospective for precious, base and energy metals.

The Company has an experienced board and management team with a history of exploration, operational and corporate success.

Tempest leverages the team's energy, technical and commercial acumen to execute the Company's mission - to maximize shareholder value through focussed, data-driven, risk-weighted exploration and development of our assets.

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The inclusion of such statements should not be regarded as a representation, warranty or prediction with respect to the accuracy of the underlying assumptions or that any forward-looking statements will be or are likely to be fulfilled. Tempest undertakes no obligation to update any forward-looking statement to reflect events or circumstances after the date of this document (subject to securities exchange disclosure requirements).

The information in this document does not take into account the objectives, financial situation or particular needs of any person or organisation. Nothing contained in this document constitutes investment, legal, tax or other advice.

## Competent Person Statement

The information in this announcement that relates to Exploration Results and general project comments is based on information compiled by Don Smith who is the Managing Director of Tempest Minerals Ltd. Don is a Member of AusIMM and AIG and has sufficient experience relevant to the style of mineralisation under consideration and to the activities 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'. Don consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

## **Appendix A: References**

1. TEM ASX Announcement dated 18 November 2021 "Meleya Exploration Update - EIS Funding Granted"
2. LI3 ASX Announcement dated 20 March 2020 "Exploration Update"
3. LI3 ASX Announcement dated 18 August 2020 "Meleya Zone Targets Identified From New Geophysical Data"
4. LI3 ASX Announcement dated 06 August 2020 "Enhanced prospectivity at the Meleya Zone"
5. EIS Application "DAG2022/00399707 - Meleya greenstone stratigraphic"