



## ASX Announcement

ASX: GML

6 February 2024

# Follow-Up RC Drilling Commences to Follow-up High-Grade Duplex Gold Discovery

Drilling underway to test interpreted strike extensions from initial intercept of 18m @ 5.0g/t

### HIGHLIGHTS

- **Reverse Circulation (RC) has commenced at Duplex, to follow-up the initial results announced in January<sup>1</sup>:**
  - **GRC1022: 18m @ 5.0g/t Au from 103m**
  - **GRC1021: 12m @ 1.1g/t Au from 94m**
- **Drilling to be undertaken over an interpreted strike length of over 700m, where encouraging bottom-of-hole anomalism has been recorded in existing shallow air-core drilling.**
- **Further interrogation of initial RC drilling data and existing geophysical datasets suggests potential for a series of mineralised structures within the gabbro/dolerite intrusion along the margin of the Montague Granodiorite.**
- **The identification of this new style of mineralisation has the potential to provide step-change growth opportunity at the 526,000oz Montague Gold Project.**

<sup>1</sup> See ASX release 18 January 2024

Gateway's Managing Director, Mr Mark Cossom, said: "We are excited to have an RC rig back on site so quickly this year to follow-up the exciting new gold discovery we announced recently at Duplex. This is a new mineralisation style for the Montague Project and, because of its structural location and potential scale, is consistent with our focus on 'step-change' discovery opportunities.

"The follow-up drill program has been designed to rapidly build our understanding of the orientation and size of the mineralised zone.

"This is an exciting time for Gateway shareholders, with the new discovery at Duplex coming hard on the heels of our recent breakthrough in unearthing a series of potential magmatic copper-nickel targets. We are looking forward to delineating further opportunities that will increasingly change the game for us at Montague and help unlock shareholder value."

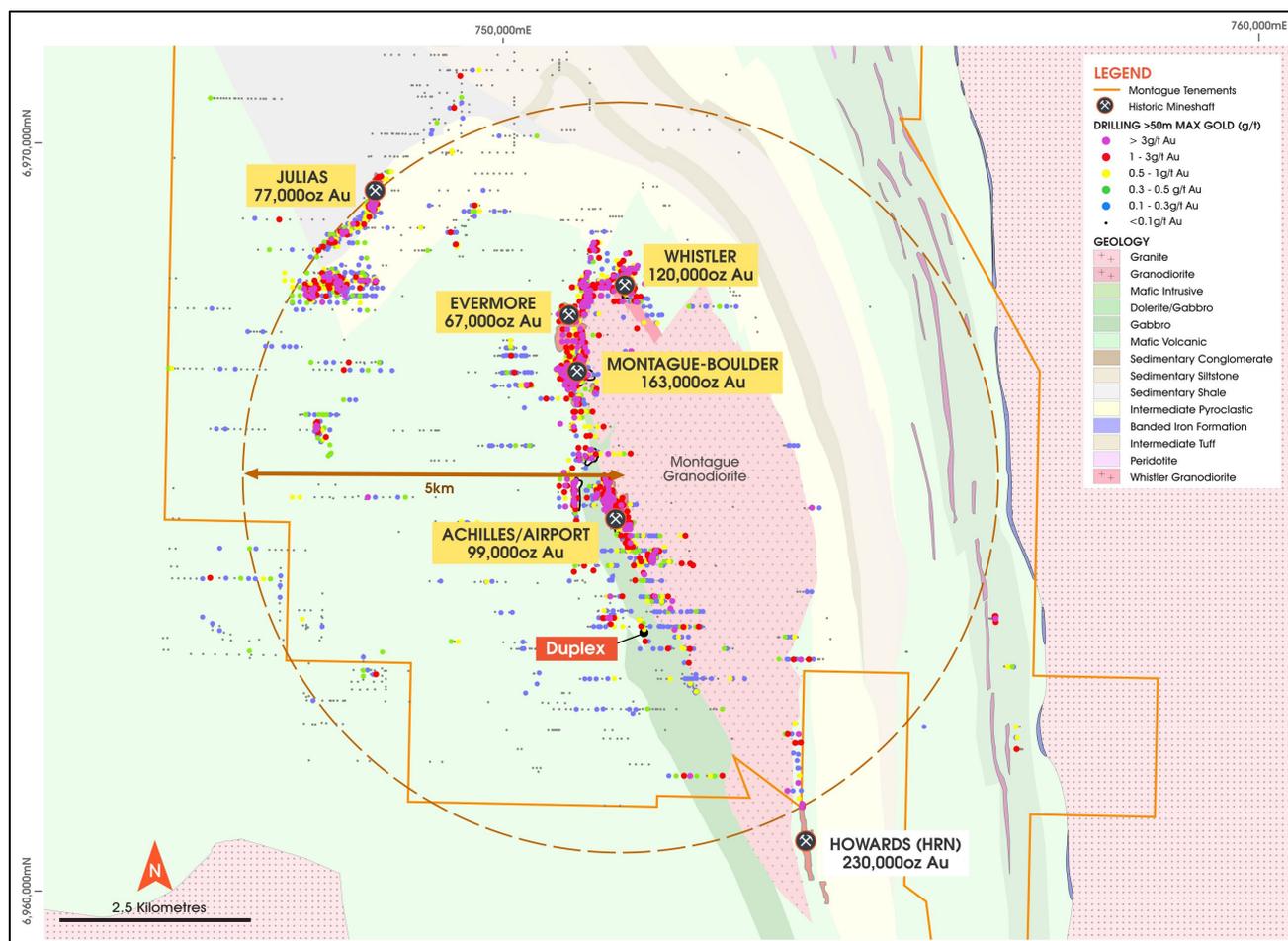
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**Figure (1): Montague Grandiorite Dome with current Mineral Resources, and new Duplex Target.**

Gateway Mining Limited (ASX: GML) (**Gateway** or **Company**) is pleased to advise that Reverse Circulation (RC) has commenced to test the strike potential of the new Duplex discovery at its 526,000oz<sup>2</sup> Montague Gold Project, located in the Murchison Gold District of Western Australia. Duplex is located approximately 3.5km south of the cornerstone 163,000oz Au Montague-Boulder Mineral Resource, along the western margin of the Montague Grandiorite Dome (see Figure 1).

Initial drilling was designed to test a conceptual target situated within a large (~6km long) series of gabbro/dolerite intrusive units along this dome margin. The target was generated as part of Gateway's ongoing strategy of exploring for new, step-change discoveries within the Montague Gold Project.

This new 10-hole, 1,200m RC drilling campaign has been designed to test the strike extensions to mineralisation intersected by the initial round of RC drilling at Duplex (Figure 2), which returned best results of:

- **GRC1022:**                **3m @ 2.3g/t Au from 90m, and  
18m @ 5.0g/t Au from 103m**
- **GRC1021:**                **12m @ 1.1g/t Au from 94m**

Recent detailed examination of the drill chips generated by the first round of RC drilling at Duplex has identified a biotite-chlorite alteration system associated with gold mineralisation, associated demagnetisation (through the destruction of magnetite) and crystallisation of pyrite-chalcopyrite sulphides. The recognition of this magnetite destruction, which results in a "negative" magnetic signature within the generally highly magnetic gabbro/dolerite unit, has resulted in the identification of several parallel structures within the ~6km strike length of this unit.

The current RC program will test a strike extent of approximately 700m, which has been identified through both interpretation of aerial magnetic data, as well as coincident bottom-of-hole gold anomalism in earlier air-core drilling completed by Gateway. It is anticipated that this new round of drilling will take approximately seven days to complete, with assay results due within 4-5 weeks.

<sup>2</sup> 10,073,000t @ 1.6g/t Au for 526,000oz Indicated and Inferred. GML attributable 507,000oz Indicated and Inferred. See ASX Release dated 27 September 2022.

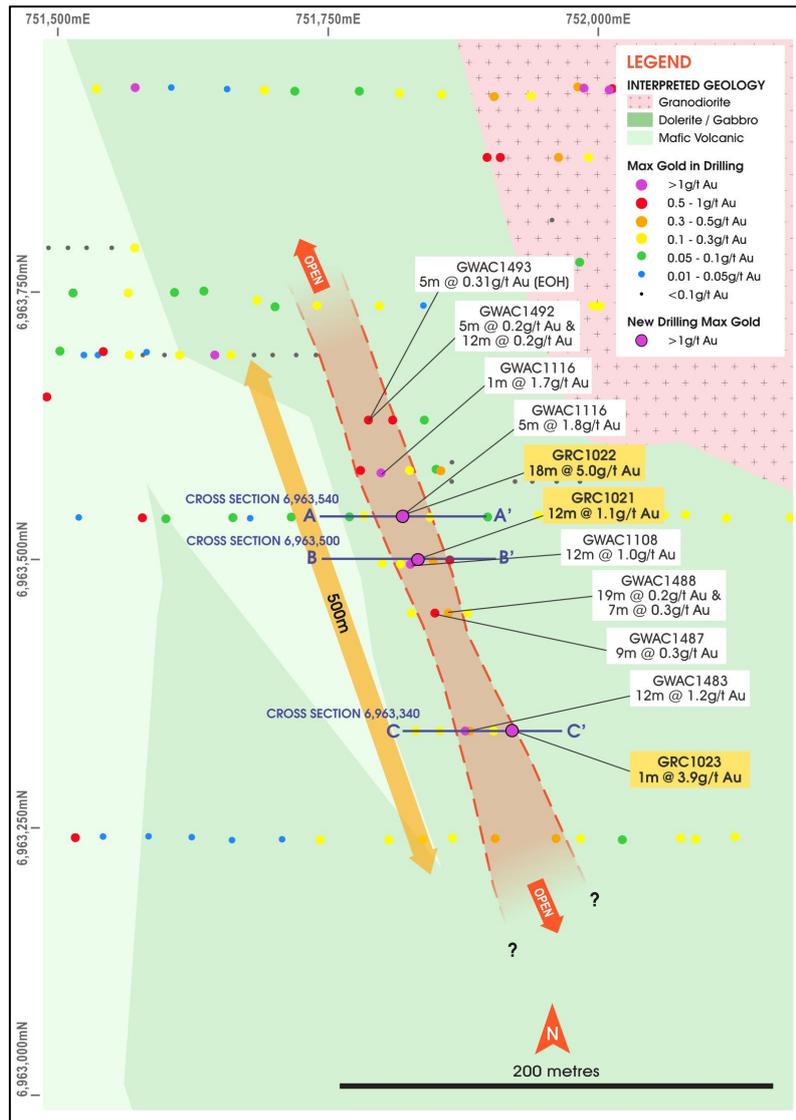


Figure (2): Duplex target with recently completed RC drilling and existing air-core drill coverage.

This release has been authorised by:

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*For and on behalf of*  
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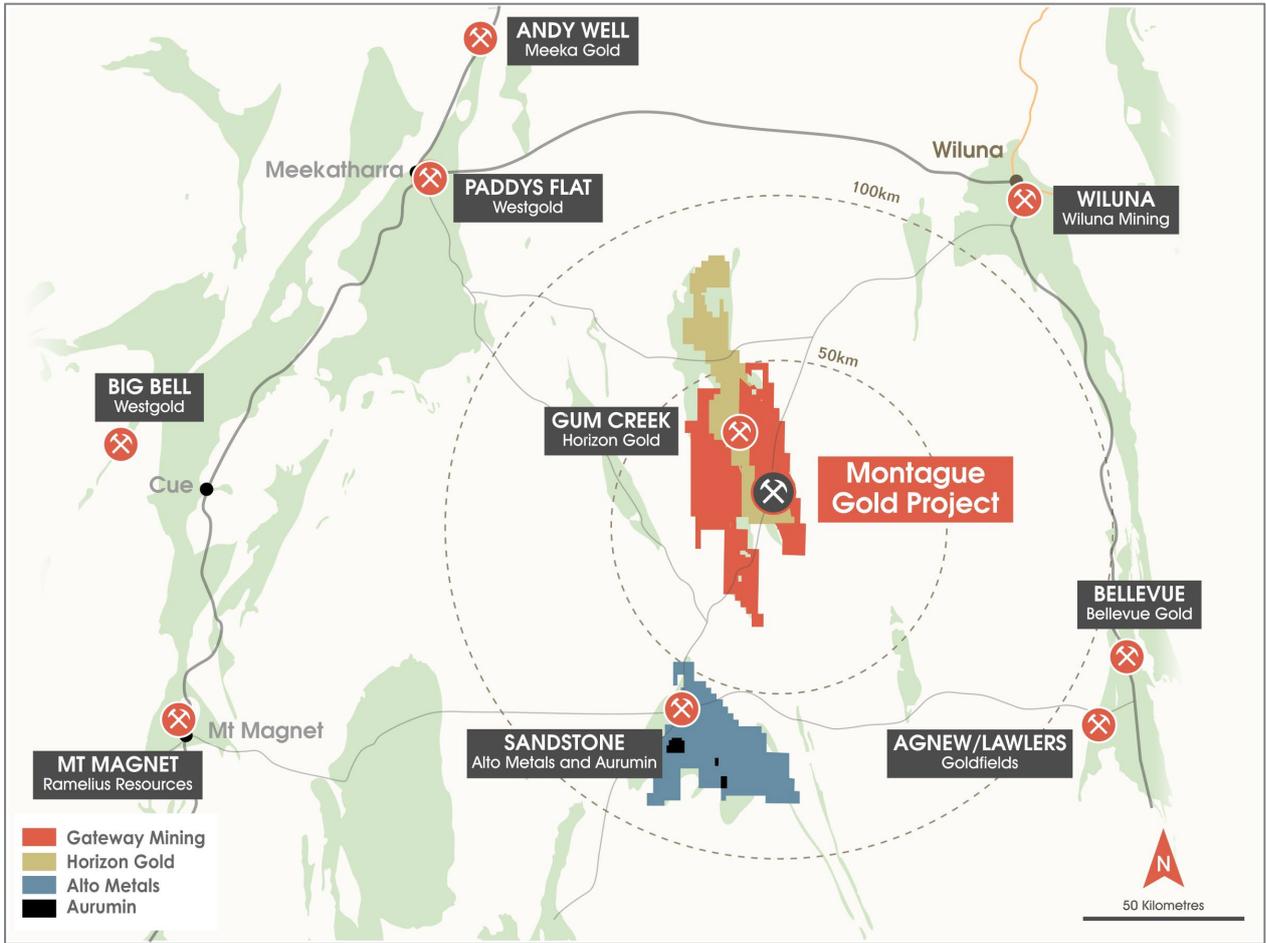
### **Competent Person Statement**

The information in this announcement that relates to Exploration Results and Mineral Resources has been extracted from various Gateway ASX announcements and are available to view on the Company's website at [www.gatewaymining.com.au](http://www.gatewaymining.com.au) or through the ASX website at [www.asx.com.au](http://www.asx.com.au) (using ticker code "GML").

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. 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.

# APPENDIX (1)

## About the Montague Gold Project



Montague Gold Project Tenement Location Diagram