

## ASX ANNOUNCEMENT

12 August 2025



### West Tanami Airborne EM Survey commences

- WA Government Exploration Incentive Scheme ("EIS") co-funded Airborne EM geophysical survey has commenced in the West Tanami
- Survey testing for bedrock conductors within mafic-ultramafic intrusions that are prospective for copper-nickel-PGE sulphide mineralisation
- Copper-nickel-PGE mineralised intrusions first identified at Hawkeye and were the focus of a BHP Xplor funded investigation in 2024
- Co-funded grant to provide up to \$150,907 to complete the AEM survey with results to be reported in September 2025

Hamelin Gold Limited ("Hamelin" or the "Company") (ASX:HMG) is pleased to announce the commencement of the EIS co-funded airborne EM geophysical survey at the Company's West Tanami Project in Western Australia.

#### Commenting on the AEM survey, Managing Director Peter Bewick said:

*"The identification of copper-nickel-PGE mineralised intrusions in 2023 by Hamelin was a first for the district and further highlights the unexplored nature of the Tanami region. The study of these intrusions, fully funded through the 2024 BHP Xplor program, highlighted the presence of the key elements considered essential in the intrusion related mineral system model.*

*This is an ideal location for the application of airborne electromagnetics due to the shallow non-conductive cover over the area and absence of unmineralised stratigraphic conductors ("false positive anomalies"). We consider that any strong AEM anomalies generated would have a high likelihood of representing hidden sulphide occurrences.*

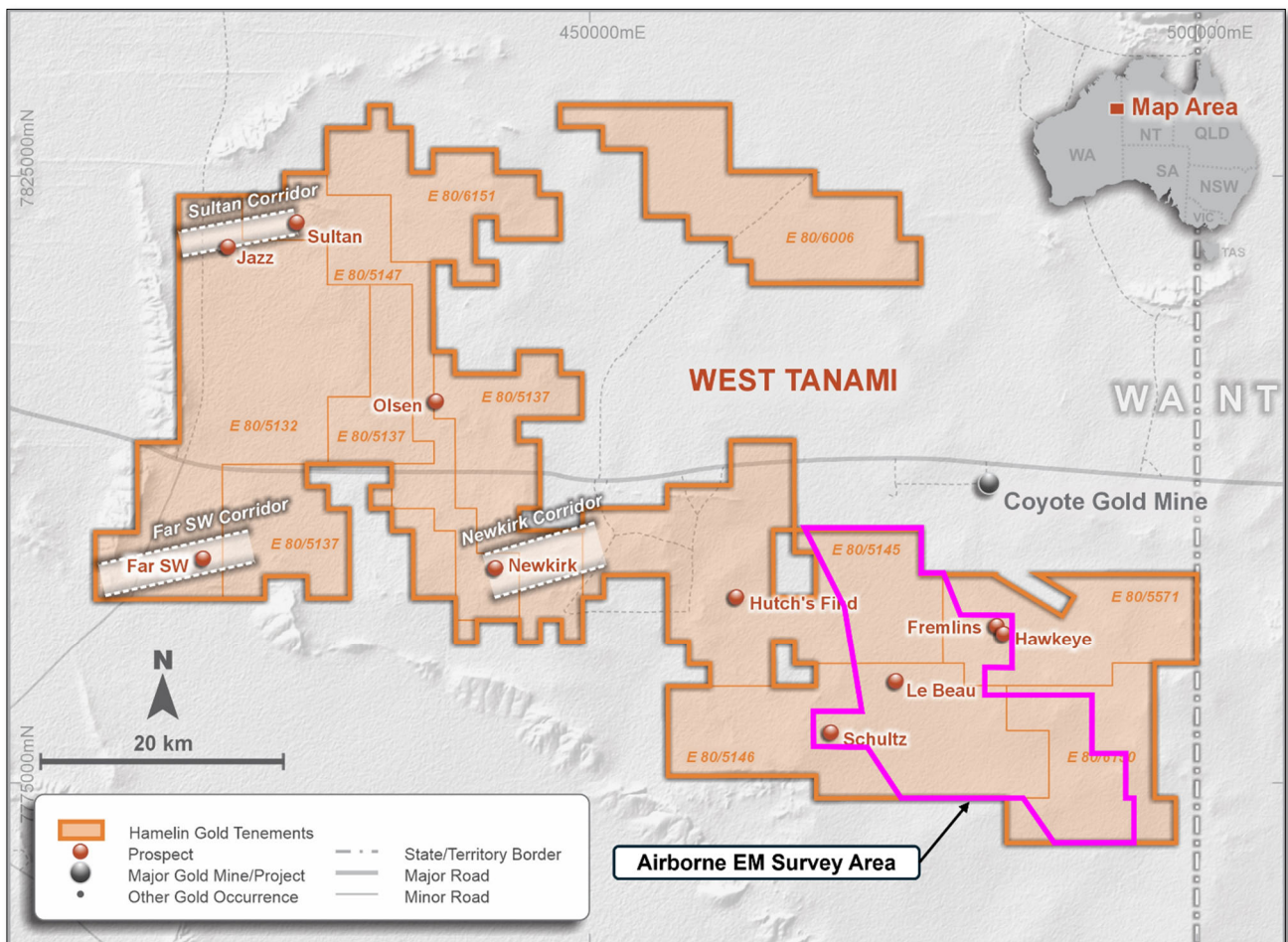
*Results of the AEM survey will be reported in September 2025 and drilling of any high priority targets generated would be expected late in 2025."*

## Cu-Ni-PGE Mineralisation in the Tanami

The identification of a mafic-ultramafic intrusion hosted primary magmatic copper, nickel and PGE mineralisation was first recorded by the Company in mid-2023 (see ASX announcement 27 July 2023). The identification of this style of mineralisation in the Tanami district represents a new exploration search space for Proterozoic aged copper-nickel-PGE deposits. Known deposits found in similar geological settings include the Nebo-Babel deposit in the West Musgraves Province of WA and the Voisey's Bay deposit in Canada.

Hamelin was selected as one of six companies from across the globe to participate in the 2024 BHP Xplor program (see ASX announcement 23 January 2024). This program provided the Company with US\$500,000 in non-dilutive funding and access to a network of internal and external experts to study and evaluate the significance of this mineral occurrence in our 100% owned Tanami project.

The fundamental result from these studies was confirmation of the presence of the key geological, structural and geochemical elements considered essential for the formation of significant intrusion related copper-nickel-PGE deposits.



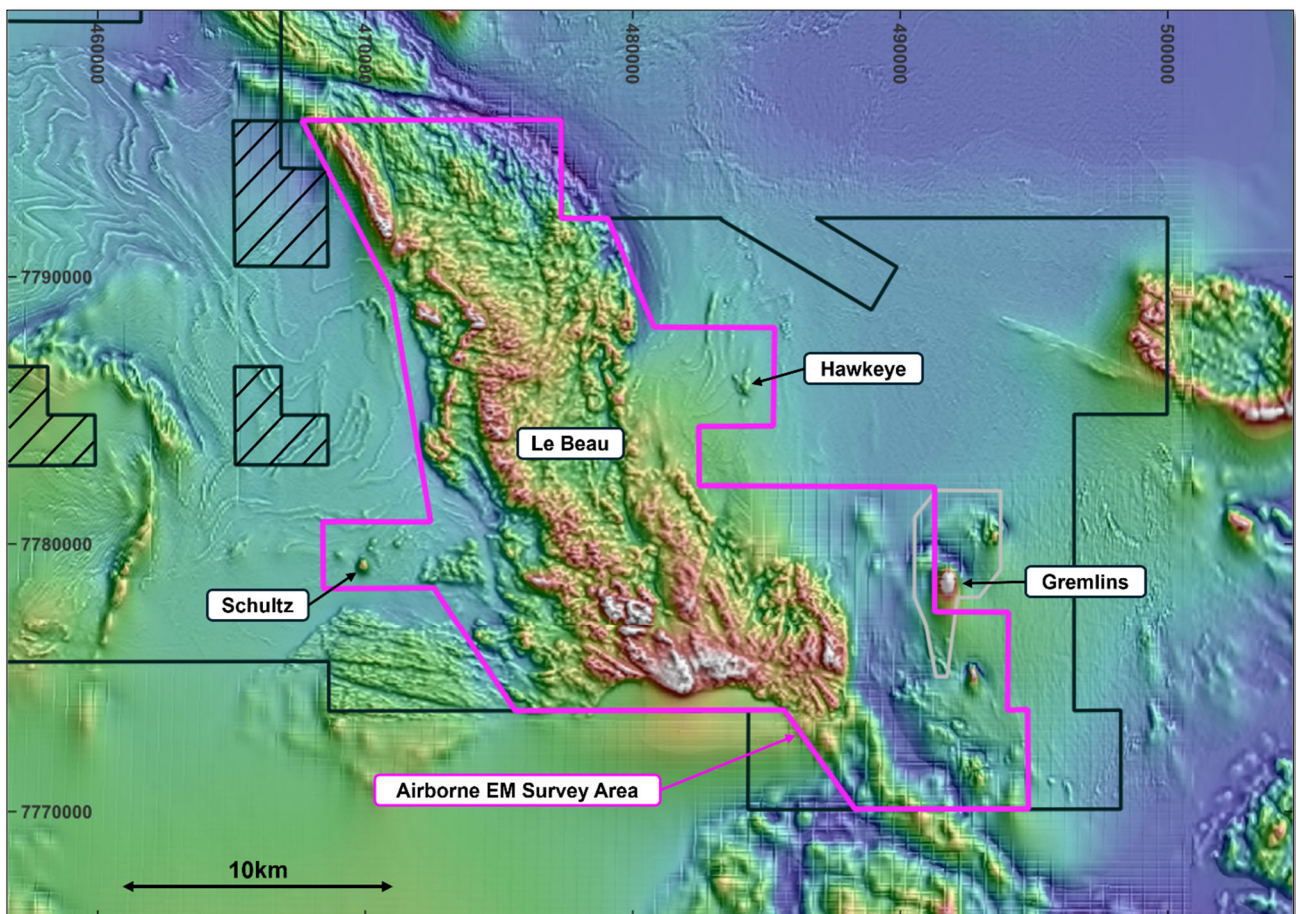
**Figure 1:** Hamelin's West Tanami Project – Round 31 EIS Airborne EM survey area

The next step in the evaluation of this high-value discovery opportunity is the definition of immediate drill targets. The area interpreted to potentially host mafic-ultramafic intrusions is centred around the north-north-east trending Le Beau intrusive complex ("Le Beau"). Le Beau, which extends over 30 kilometres in strike, is both a magnetic and gravity high and has been confirmed as a 1.805Ga aged sanukitoid intrusion. The mineralised intrusion at Hawkeye is a mafic / ultramafic, pipe-like chonolith

and has been dated at 1.795Ga. The Schultz and Gremlins suite of chonoliths (see Figure 2) are interpreted to be generated during the same magmatic event at Hawkeye. As these chonoliths are slightly younger than the Le Beau sanukitoid, the mineralised intrusions can occur both within the surrounding sedimentary rocks and within the older Le Beau intrusion itself. While interpretation of the detailed aeromagnetics has successfully defined a suite of prospective intrusions within the magnetically subdued sedimentary sequence, within the highly magnetic Le Beau intrusion these discrete targets are more difficult to define.

The application of airborne electromagnetics across Le Beau aims to define conductors within the bedrock that may represent accumulations of copper-nickel-PGE sulphides. This area is considered ideal for the application of this technology due to the extensive but thin, non-conductive cover and the likely absence of extensive unmineralised conductive units within the sedimentary sequence and the Le Beau intrusion. The lack of these likely sources of “false positive anomalies” and the strongly resistive nature of the sanukitoid, provides confidence that the AEM survey is an effective technology to define immediate bedrock drill targets across Le Beau.

The results from the EIS co-funded West Tanami AEM survey will be reported in September 2025 and the testing of high priority drill targets is planned for late 2025.



**Figure 2:** EIS Airborne EM survey area over magnetics.  
(West Tanami project leasing outline in black with tenement excisions shown in cross hatching)



## About Hamelin Gold

Hamelin Gold Limited (**ASX:HMG**) is an ASX-listed mineral exploration company based in Perth, Western Australia. Hamelin has landholdings in the Tanami Gold Province and Yilgarn District of Western Australian. The Tanami province is prospective for high value, large scale gold and base metal deposits and hosts Newmont's Tier 1 Tanami Gold Operations in the Northern Territory. Hamelin's Yilgarn project portfolio has been built following a district scale project generation exercise targeting covered segments of well mineralised terrains where new undercover exploration technologies can be applied.

The Company has a strong Board and Management team and is well funded.

Hamelin's shareholders include highly regarded gold miners Gold Fields Limited (JSE/NYSE:GFI) and Vault Minerals Limited (ASX:VAU).

This announcement has been authorised for release by the Board of Hamelin Gold Limited

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## Competent Person's Statement

*The information in this report that relates to Exploration Results is based on information compiled by Mr. Peter Bewick who is a Member of the Australasian Institute of Mining and Metallurgy. Mr. Bewick holds shares and options in and is a full time employee of Hamelin Gold Ltd and has sufficient experience which is relevant to the style of mineralisation under consideration to qualify as a Competent Person as defined in the 2012 Edition of the 'Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Bewick consents to the inclusion in the report of the matters based on the information compiled by him, 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 in the relevant ASX releases and the form and context of the announcement has not materially changed. This announcement has been authorised for release by the Board of Hamelin Gold Limited.*