

1 December 2025

Maiden drilling underway at Laverton Gold Project targeting Resource growth

Highlights

- Latitude66 has commenced its maiden drilling campaign at the Laverton Gold Project, comprising a planned 3,000m of Reverse Circulation (RC) drilling across the Red Dog and Tin Dog Prospects, both situated on granted Mining Leases.
- Drilling will test extensions of the Red Dog Mineral Resource Estimate (MRE)¹ both along strike, at depth, and extensions of the historical drilling at Tin Dog with results anticipated in the first quarter of the 2026 calendar year.
- Potential is high for further stacked lodes at depth, with a deeper syenite intrusion, which is responsible for the genesis of the multiple flat lodes closer to surface, being probable at Red Dog.
- An accompanying Exploration Target for the Red Dog and Tin Dog Prospects highlights excellent upside potential and provides an early indication of the potential near term scale and gold endowment of the Project.

Latitude 66 Limited, ACN 115 768 986 (ASX: LAT) (“Lat66” or “the Company”) is pleased to announce that an RC drill rig has mobilised to the Laverton Gold Project in Western Australia, and has commenced Lat66’s maiden drilling program, accelerating the technical evaluation of the recent acquisition¹, located approximately 300 km north-west of Kalgoorlie.

The drilling program comprises approximately 3,000m of Reverse Circulation (RC) drilling across both the Red Dog and Tin Dog Prospects, both situated on granted Mining Leases. Assay results from the program are expected within 6–8 weeks.

At Red Dog, the maiden program is designed to extend known mineralisation, targeting both along-strike growth from the existing JORC (2012) Mineral Resource Estimate¹ and down-dip potential beneath the historically mined open pit.

At Tin Dog, drilling will focus on confirming historical results, testing strike extensions of the known lodes, and assessing the potential for additional mineralisation at depth.

An accompanying Exploration Target for the Red Dog and Tin Dog Prospects has been defined providing an early indication of the potential scale and gold endowment of the Project.

Latitude 66’s Managing Director, Grant Coyle, commented:

“We are excited to commence our maiden drill campaign at the newly acquired Laverton Gold Project. It has been a tremendous effort from the team to ensure approvals were in place and a rig mobilised to the project, so soon after its acquisition.

“The Exploration Target highlights the initial potential gold endowment across the Red Dog and Tin Dog Prospects and importantly there are drilling results below the 200m depth cut-off of the Exploration Target, which indicate further growth potential at depth.

¹ LAT ASX Announcement 27 November 2025 “Binding Option and JV Agreements over Laverton Gold Project”

“The speed we are moving to get straight into drilling at the Laverton Gold project emphasises the excitement within the team for the significant near term potential, particularly at both Red Dog and Tin Dog, which are located on granted mining leases near several gold processing facilities. We look forward to providing ongoing updates to shareholders and investors as we accelerate work across the new Project.”



Photo 1: RC Drilling rig on site at Red Dog, Laverton Gold Project

Laverton Gold Project

Red Dog and Tin Dog Exploration Target

An Exploration Target of 6.5-11 million tonnes at 1.0 - 1.3 g/t Au has been defined for the Tin Dog and Red Dog prospects, representing potential for 200-450 koz of contained gold. The target extends from surface to a depth of 200m, below which mineralisation remains open. Drilling existing below 200m with mineralised intervals being identified but have not been including within the Exploration Target.

Combined Red Dog and Tin Dog Exploration Target

Tonnes (Mt) Low	Tonnes (Mt) High	Grade (g/t Au) Low	Grade (g/t Au) High	Contained gold (Koz) Low	Contained gold (Koz) High
6.5	11	1	1.3	200	450

Cautionary Statement: The potential quantity and grade of the exploration target is conceptual in nature, as there has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource.

The Exploration Target is based on data from 307 drillholes completed by multiple operators, including Matsa Resources Limited, Saracen Mineral Holdings and Sons of Gwalia Ltd. Drilling methods comprise diamond, Reverse-Circulation (RC) and RAB drilling, for a total of 13,893m. Drill spacing is variable with some drilling being 40 x 20m within the most heavily drilled areas. Snowden Optiro were engaged to assist in the review of the potential of the Tin Dog and Red Dog prospect.

The lower volume estimate (i.e. 6.5Mt) has been derived from detailed wireframing of 15 mineralised lodes, comprising:

- syenite hosted/contact and NW-trending shear-hosted lodes at Tin Dog, and

- flat-lying sulphidised lodes at the Red Dog Prospect.

These wireframes have been modelled to 200m vertical depth. The upper volume estimate (i.e 11Mt) reflects the potential for:

- down-dip and along-strike continuation of the flat-lying lodes beneath the Red Dog open pit toward the tenement boundary; and
- one additional sub-parallel flat lode positioned beneath existing mineralisation where current drill spacing provides only limited constraint but is within the 200m vertical extent from surface.

Bulk density values applied to the model are based on 35 measurements collected during the Red Dog Mineral Resource estimation, averaging $\sim 2.7 \text{ t/m}^3$. While no density measurements have yet been taken from Tin Dog, this average has been applied uniformly across all mineralised domains, producing a tonnage range of 6.5–11 Mt.

The grade range has been determined as follows:

- The lower grade estimate (1.0 g/t Au) represents the average of all assay grades captured within the wireframes between surface and 200m depth, reduced by 10% to provide a conservative estimate.
- The upper grade estimate (1.3 g/t Au) represents the average of wireframe-constrained grades between surface and 200m depth with a 0.7 g/t Au lower cut applied.

An isometric view of the more conservative (lower-case) volume estimate—comprising the modelled mineralised wireframes for both Red Dog and Tin Dog is presented in **Figure 1**.

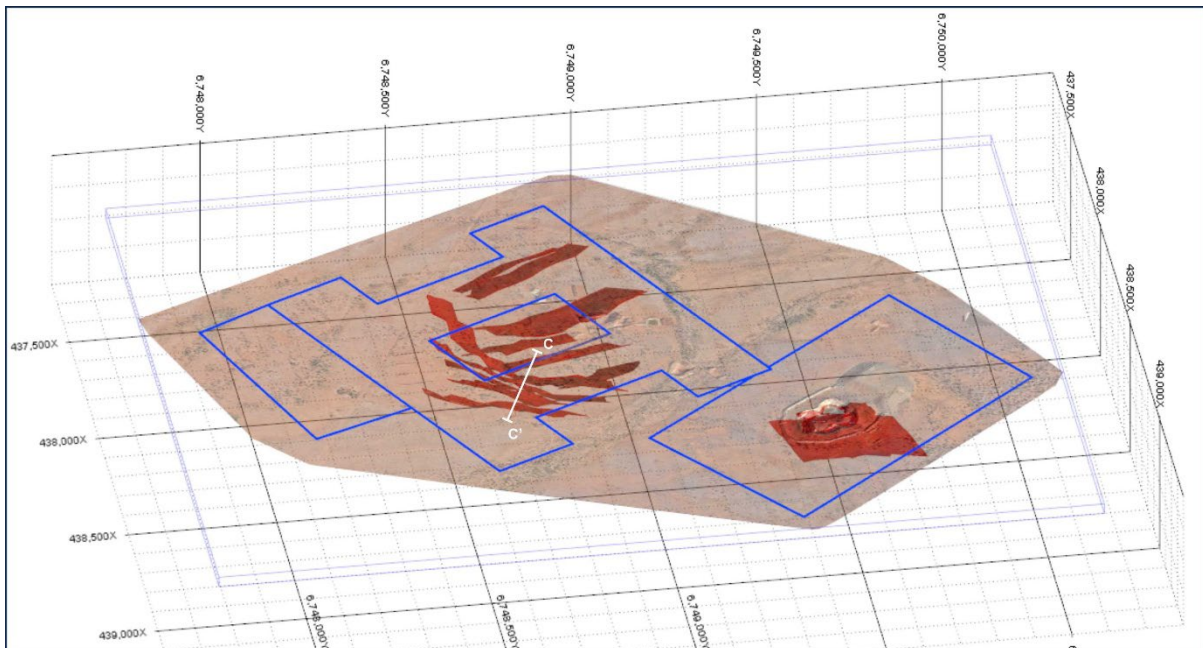


Figure 1: Oblique view looking west of wireframed mineralisation at both the Tin Dog and Red Dog Prospect areas

Exploration activities aimed at converting the entire Exploration Target into a Mineral Resource have commenced, with an RC drill rig now mobilised to site for a planned 3,000m program. This initial campaign is designed to test along-strike and down-dip growth potential at Red Dog, while also validating key RAB and RC drill intersections at Tin Dog.

Drilling activities are expected to continue for approximately three weeks, with samples to be submitted during and immediately following completion of the program. Assay results are anticipated to be received during the first quarter of calendar year 2026.

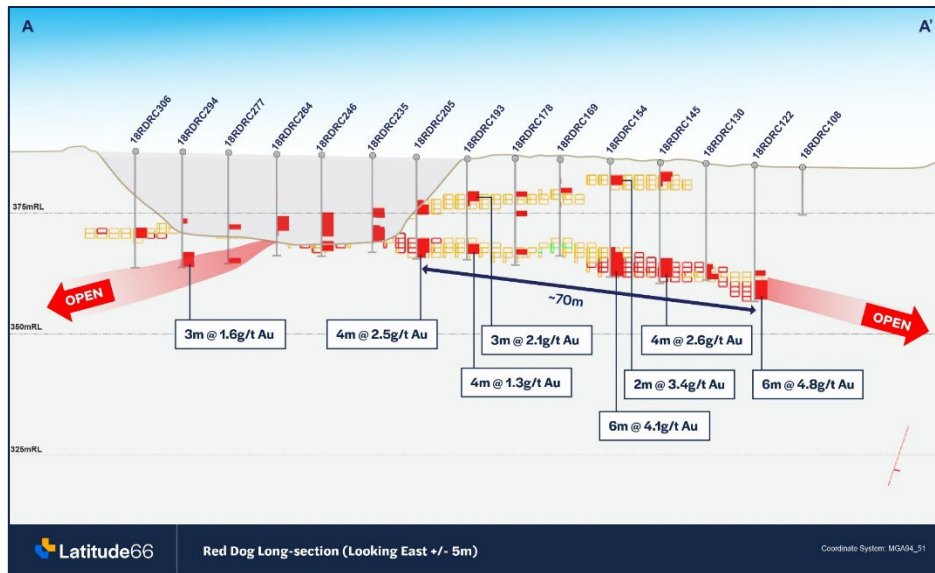


Figure 2: Red Dog Long-Section A-A' through historically mined open pit. N.B. block model shown relates to the existing Red Dog Resource¹

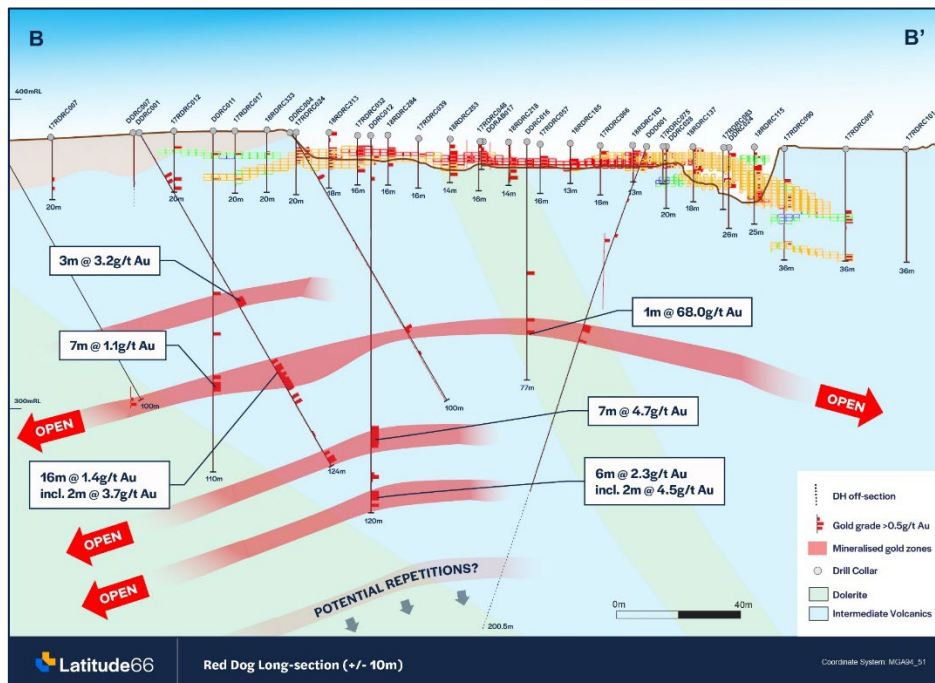


Figure 3: Red Dog Long-Section B-B' showing interpreted potential for repetitions at depth. N.B. block model shown relates to the existing Red Dog Resource¹

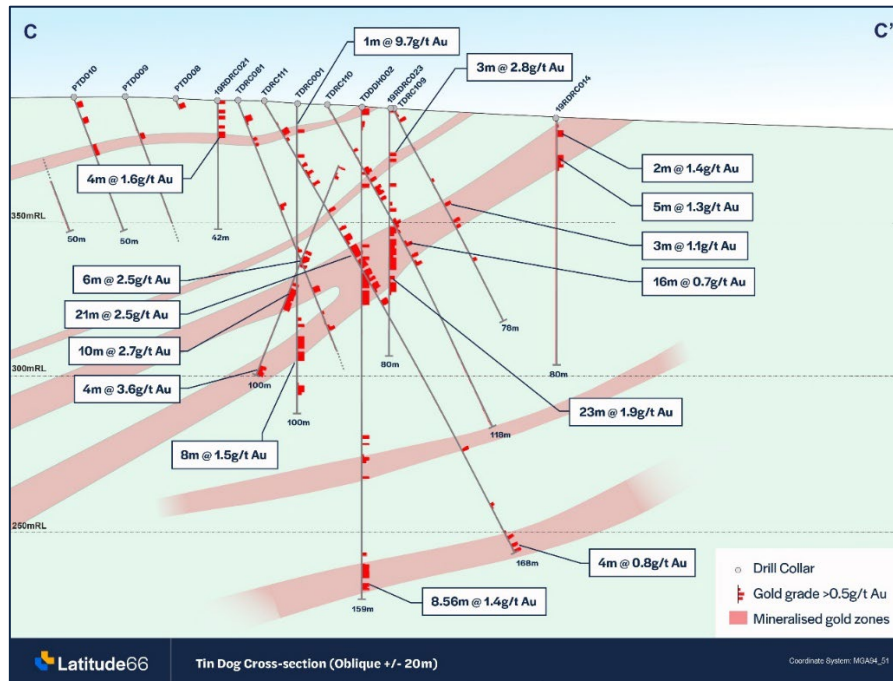


Figure 4: Cross-section looking north-east through the Tin Dog Prospect¹

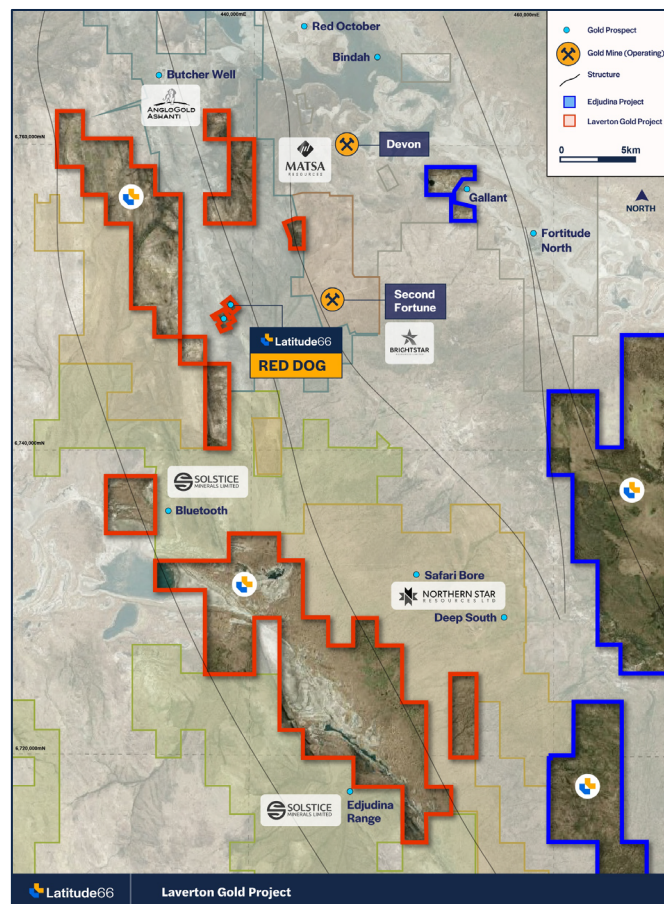


Figure 5: Regional map of the Laverton Gold Project plus nearby gold prospects and operating mines

- Ends -

This announcement has been authorised for release by the Board of Latitude 66 Limited.

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Competent Persons Statement

The information in this announcement that relates to the Exploration target is based on and fairly represents information and supporting documentation compiled by Mr Toby Wellman, a competent person who is a Member of The Australasian Institute of Mining and Metallurgy (MAusIMM). Mr Wellman has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which 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 (the “JORC Code”). Mr Wellman is the Technical Director of Latitude 66 Limited and consents to the inclusion in this announcement of the Exploration Target in the form and context in which they appear.

Table 1: Existing Red Dog Resource¹

Red Dog			
Classification	Tonnes	Grade	Ounces
Indicated	196,000	1.90	12,000
Inferred	35,000	1.38	1,500
Total	231,000	1.82	13,500

The information that relates to the Mineral Resource Estimate is based on information compiled by Ms Susan Havlin MAusIMM, a full-time employees of Optiro Pty Ltd. Both Competent Persons have sufficient experience relevant to the style of mineralisation and type of deposit under consideration to qualify as Competent Persons as defined in the 2012 Edition of the JORC Code, and both have consented to the inclusion of their respective information in the form and context in which it appears.