

10 March 2025

Lat66 to drill multiple highly prospective gold targets at Edjudina Project, WA

Highlights

- Lat66 will undertake drilling activities in March 2025, on the highly prospective Edjudina Project located in the Laverton region of Western Australia.
- Planned drilling program of up to ~9,000m of Aircore (AC) and Reverse Circulation (RC) drilling to test multiple surface gold anomalies.
- Multiple gold targets to be tested, including:
 - Hercules¹: 7km long soil anomaly (+10ppb Au) with grades up to 92 ppb Au.
 - Falcon²: 1.3km long soil anomaly (+25ppb Au) with grades up to 98ppb Au.
 - Colossus/Spartan³: Follow-up previous top of fresh rock AC intersections including 1m @ 3.4g/t Au, 5m @ 0.6g/t Au & 1m @ 1.4g/t Au.
 - Systematic testing of additional targets including along the 20km long Great Victoria Granite margin.
- Drill for Equity Agreement reached with leading Kalgoorlie-based drilling company to provide drilling services on a 25% equity basis for upcoming Edjudina drilling program.
- The Edjudina Project is one of the largest exploration tenement packages located in the Laverton Hub and within close proximity to recently announced drilling and corporate activity of Kalgoorlie Gold and Matsa Resources.

Latitude 66 Limited, ACN 115 768 986 (ASX: LAT) (“Lat66” or “the Company”) is pleased to announce the planned commencement of a drilling program at the Company’s 100% owned Edjudina Project, located in the Laverton region of Western Australia, and within close proximity to recently announced drilling and corporate activity of Kalgoorlie Gold and Matsa Resources.

The planned drilling program will commence in March 2025 and is comprised of up to 9,000m of Aircore (AC) and potentially follow up Reverse Circulation (RC) drilling to test multiple significant gold-in-soil surface anomalies, following on from previous exploration work completed across the project area. Many of the target areas show potential for substantial upside given their scale and proximity to known mineral occurrences and supporting infrastructure.

Further, Lat66 has signed a Drill for Equity Agreement with Raglan Drilling Pty Ltd (Raglan), allowing the Company to complete up to 9,000m of drilling, with 25% of the cost payable through the issue of new shares under its available capacity pursuant to ASX listing rule 7.1.

¹ DCX ASX Announcement 5 March 2024 – Hercules Soil Anomaly Continues To Grow

² DCX ASX Announcement 5 March 2024 – Hercules Soil Anomaly Continues To Grow

³ DCX ASX Announcement 9 February 2024 – Spartan Delivers Bedrock Gold

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

“As part of our strategy to unlock latent value from our Australian assets, Lat66 is excited to be commencing a drilling program across multiple targets at the highly prospective Edjudina Project in WA to follow up on previous work.

“With record high gold prices, it’s a rewarding environment for exploration success and Lat66 will commence drilling in March at both the KSB Project in Finland and now Edjudina in WA. The accompanying Drill for Equity Agreement with Raglan for the Edjudina program is assisting to maximise our exploration activities and provide shareholders with potential value creation on multiple fronts.”

Edjudina Project

The Edjudina Project is located 75km south of Laverton and contains thirteen granted Exploration Licences, one Exploration Licence Application and two granted Prospecting Licences for a total land holding of approximately 1,193km². The project is within close proximity to recently announced drilling and corporate activity of Kalgoorlie Gold and Matsa Resources.

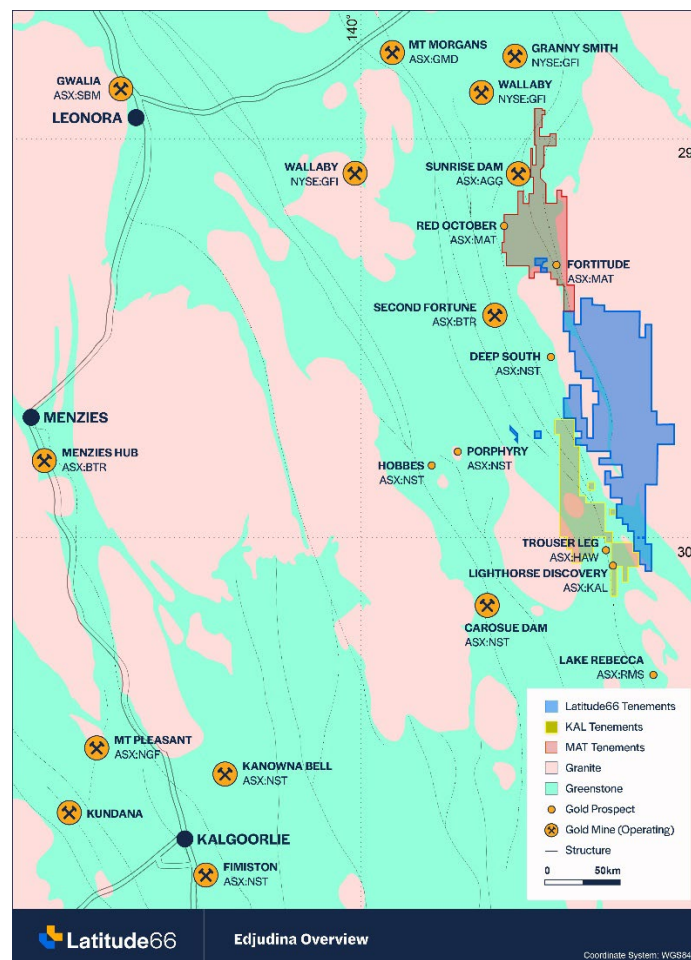


Figure 1: Location of the Edjudina Project, WA showing regional and nearby gold operations plus tenements of Kalgoorlie Gold and Matsa Resources.

The majority of target areas within the Edjudina Project have been generated through completion of first pass greenfields exploration techniques including geophysics (magnetics and gravity) together with soil sampling and AC drilling (Figure 2).

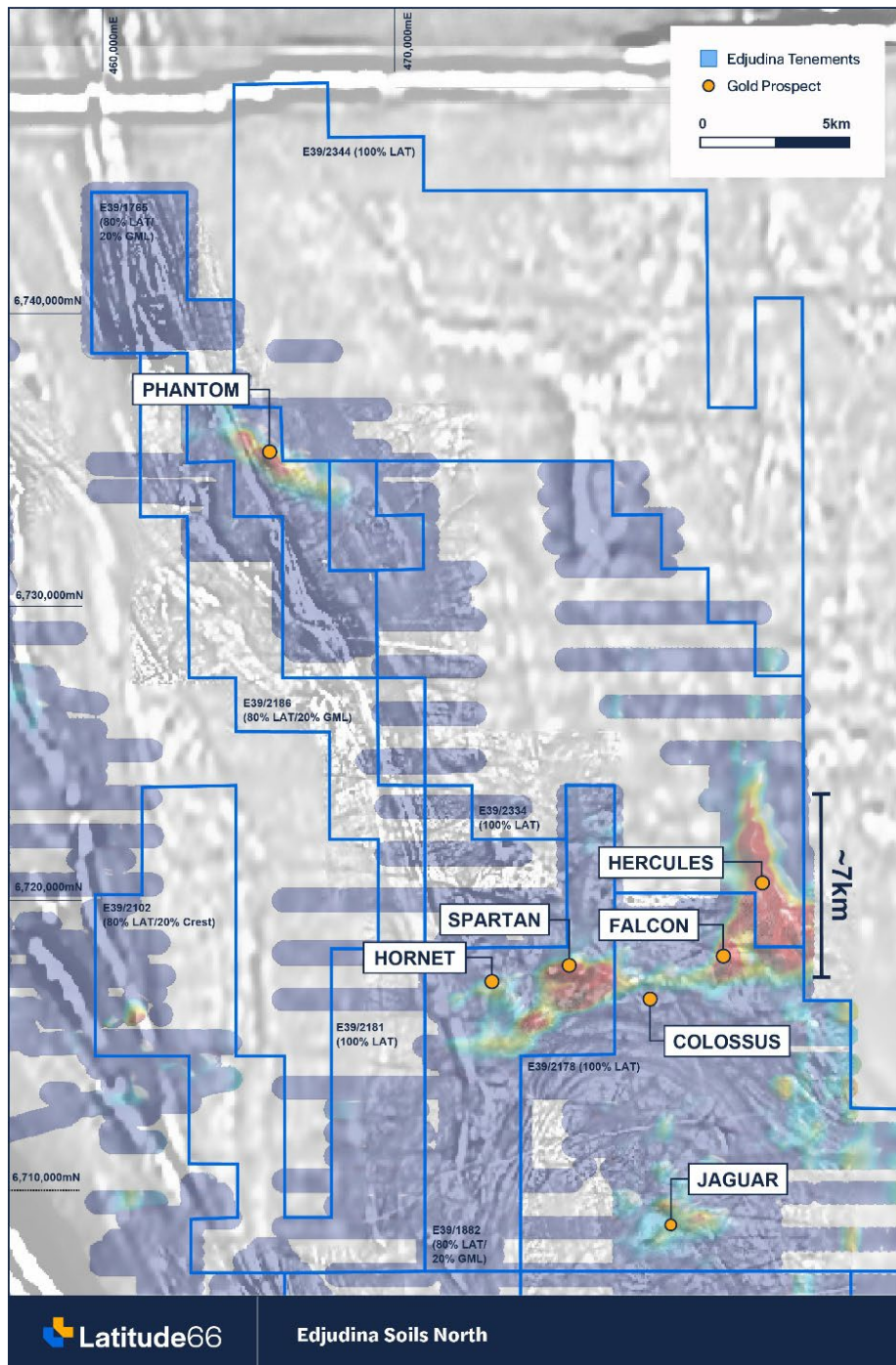


Figure 2: Plan view of the northern extents of the Edjudina Project, gridded by soil sampling results for gold.
Background image includes a TMI_1VD magnetics image

To date, many of the generated anomalies are spatially located proximal to the Great Victoria Granite (Figure 3), where interpreted flexures in the regional structure are potentially controlled by this younger,

more coherent intrusive body. It is interpreted that the entire length of the granite contact may be prospective for gold mineralisation, with over 30km untested by drilling. Targets generated to date that will be the primary focus of the planned drilling program include Colossus, Falcon, and Hercules with other targets potentially considered.

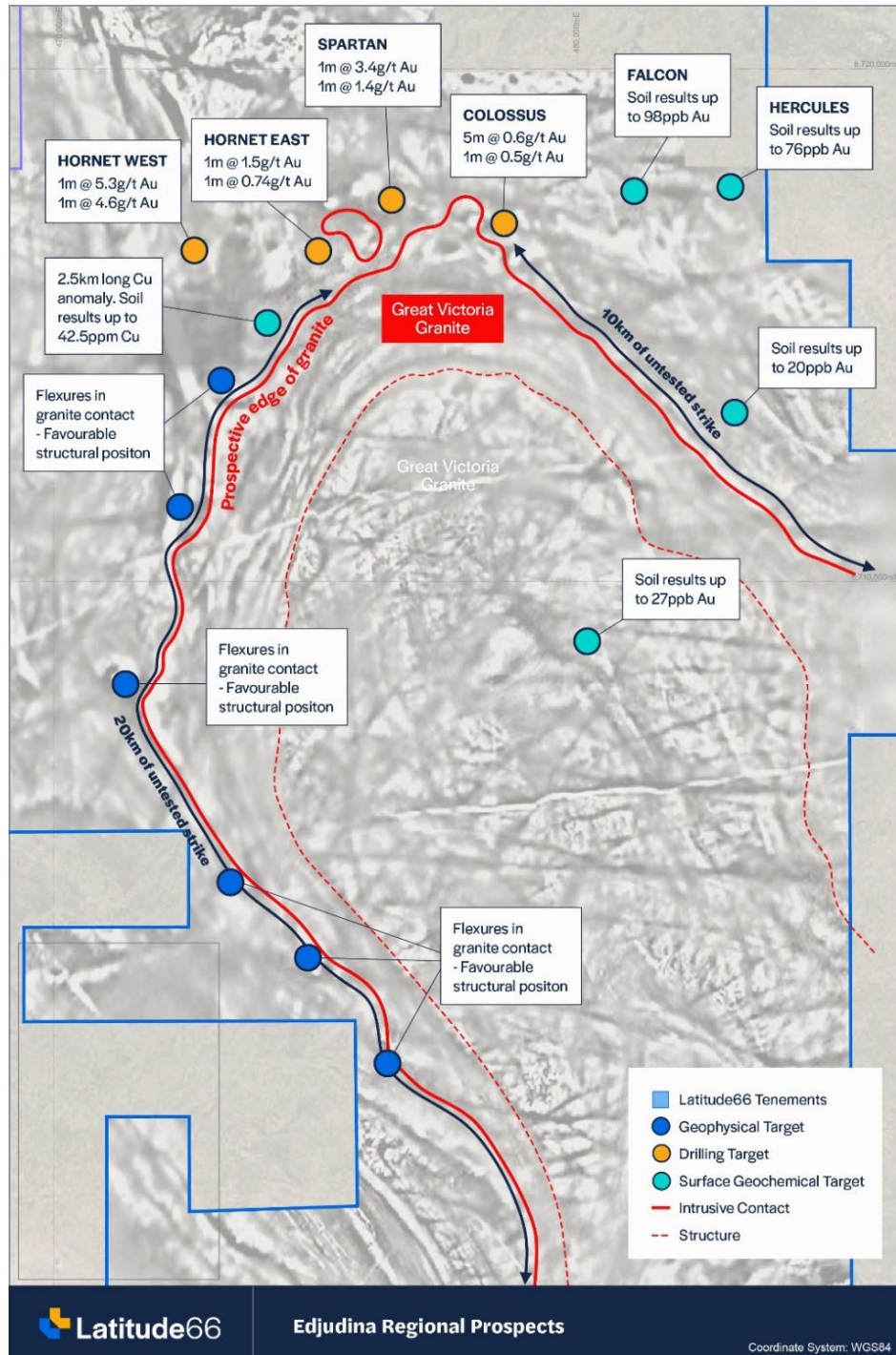


Figure 3: Edjudina Project drill target pipeline

The Colossus prospect was generated and subsequently drilled in 2024, following a review of the drainage patterns over the project, which highlighted the area as being coincident with a regional scale north-south drainage divide (i.e. topographic high). Drilling confirmed bottom of hole weathered bedrock gold mineralisation with best results up to 4m@ 0.4g/t with mineralisation intersected from end of hole samples (i.e. close to the weathered/primary rock interface) This suggests the anomalous gold values may be proximal to a primary source beneath transported cover. Additional drilling has been planned to extend mineralisation to the south as it trends towards the contact with the Great Victoria Granite.

Both the Hercules and Falcon prospects are located within a larger surface gold anomaly up to 7km in length and 3.3km in width. Depth of cover, geology and source of mineralisation is currently unknown, with this program representing the first drillholes to be completed into both anomalies. Drilling has been designed to test beneath the highest and most coherent zones of surface gold anomalism.

Table 1: Target details for individual anomalies within the Edjudina Project⁴

| Target | Soil anomaly dimensions (>25ppb Au) | Best Soil Result | Best drilling result | Hole ID |
|----------------|-------------------------------------|------------------|----------------------|-----------|
| Spartan | 2,000 x 540m | 544ppb Au | 1m@3.42g/t Au | SPAC016 |
| Phantom | 2,000 x 240m | 76ppb Au | NSA | N/A |
| Hercules South | 1,500 x 700m | 92ppb Au | NOT DRILL TESTED | N/A |
| Hercules North | 1,200 x 500m | 47ppb Au | NOT DRILL TESTED | N/A |
| Falcon | 1,200 x 300m | 98ppb Au | NOT DRILL TESTED | N/A |
| Hornet West | 650 x 350m | 126ppb Au | 1m@5.3g/t Au | HOAC012 |
| Jaguar | 400 x 100m | 27ppb Au | NOT DRILL TESTED | N/A |
| Hornet East | 200 x 200m | 142ppb Au | 1m@1.5g/t Au | 1650/7545 |
| Colossus | - | 13ppb Au | 5m@0.55g/t Au | SPAC218 |

NSA = no significant assay, N/A – not applicable

Drill for Equity Agreement

A Drill for Equity Agreement has been signed with Raglan Drilling (Raglan), a leading Kalgoorlie based drilling company. The agreement allows Lat66 to elect to issue shares to Raglan following receipt of the drilling invoice, up to 25% of the total amount of the invoice.

The Issue Price for the shares will be based on the volume weighted average price (**VWAP**) of Shares as traded on the Australian Securities Exchange (ASX) for the five trading days immediately preceding the date that the Company elects to pay in equity. Shares will be issued under the Company's available placement capacity, pursuant to ASX listing rule 7.1.

- Ends -

⁴ DCX ASX Announcement 5 March 2024 – Hercules Soil Anomaly Continues To Grow

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

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About Latitude 66

Latitude 66 is a Finnish and Australian based company, focusing on the exploration and development of gold and critical minerals. The Company's primary focus lies in the Kuusamo Schist Belt Project (KSB Project) situated in Northern Finland. This flagship project boasts a substantial high-grade gold-cobalt mineral resource, with over 85% categorised as Indicated, totalling 650,000 ounces of gold at 2.7 grams per tonne (g/t) and 5,800 tonnes of cobalt at 0.08%. The information in this announcement that relates to mineral resources estimates for the K1-3 projects are extracted from the Company's previous announcement on 26 April 2024 titled "Prospectus". The Company confirms that it is not aware of any new information or data that materially affects the information included in this previous market announcement and the Company confirms that all material assumptions and technical parameters underpinning the mineral resources estimates continue to apply and have not materially changed.

Beyond the KSB, Latitude 66 is conducting regional exploration activities in Finland at the highly prospective Peräpohja Schist Belts (PSB), Kainuu Schist Belts (Kainuu) and Central Lapland Greenstone Belt (Kola and Kolari).

Latitude 66 holds a 17.5% free-carried interest in Carnaby Resources' Greater Duchess Project, strategically located in the Mt Isa Copper district in Australia. Furthermore, Latitude 66 is actively engaged in the exploration of a promising gold project in Western Australia: the Edjudina Project.

Forward Looking Statement

The forward-looking statements in this announcement are based on the Company's current expectations about future events. They are, however, subject to known and unknown risks, uncertainties and assumptions, many of which are outside the control of the Company and its Directors, which could cause actual results, performance or achievements to differ materially from future results, performance or achievements expressed or implied by the forward-looking statements.

Competent Person's Statement

The information in this announcement that relates to Exploration Results 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 Results in the form and context in which they appear.