

13 February 2025

RC drilling to commence at KSB North Project

Highlights

- Reverse Circulation (RC) drilling trial to test defined geophysical and geochemical anomalies at K6E and K6W Prospects.
- This program will be the first known use of the RC drilling technique in the KSB region.
- The drilling campaign will target previous significant boulder results at both the K6E and K6W Prospects, including:

K6E	K6W
○ 490.0 g/t Au & 0.07% Co	○ 8.8g/t Au & 0.6% Cu
○ 53.7 g/t Au & 0.05% Co	○ 3.7g/t Au & 0.04% Cu
○ 32.0 g/t Au & 0.09% Co	○ 2.2g/t Au & 0.1% Cu
- If successful, the RC drilling technique will enable more efficient exploration in both cost and time allowing more rapid drilling of multiple targets throughout the KSB project area.

Latitude 66 Limited, ACN 115 768 986 (ASX: LAT) (“Lat66” or “the Company”) is pleased to provide an update on exploration activities at the KSB Project in Finland. The Company has reached an agreement with a local contractor to trial reverse circulation (RC) drilling on selected targets approximately 1km south of the existing resource base of **7.2MT @ 2.7g/t Au & 0.08% Co for 650,000oz Au and 5,840t of Co¹**.

Targets identified for testing include the K6E and K6W Prospects where induced polarisation (IP) anomalies are coincident with mineralised boulder samples and interpreted favourable geological stratigraphy. Both anomalies are beneath approximately 2-3m of transported till cover, with RC drilling ideal for shallow testing of the underlying bedrock geology.

RC drilling is not widely used in Europe, particularly outside of mine development drilling, with this program representing an innovative approach by the Company to reduce costs and increase turnaround time to progress the exploration potential of the asset. If successful, the technique will be utilised throughout the broader project area, to test multiple EM anomalies in an efficient manner.

Mobilisation of the rig and associated supporting equipment is anticipated in March 2025 and results will follow in Q2 2025.

¹ Previously reported by ASX:DCX on the 26/4/2024 “Prospectus”

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

“Both the K6E and K6W Prospects have previously returned significant high-grade boulder results only 1km south of the existing K2 Mineral Resource, which has been identified in Scoping Study activities as the prominent option for high-grade feed early in the KSB Project production schedule².

“RC drilling is less common in Europe, however if this trial proves to be effective, the technique could provide significant time and cost savings for Lat66 going forward.

“As we finalise the KSB Scoping Study for release later this quarter, the RC drilling trial is a timely opportunity to drill test the exciting K6E and K6W Propsect targets and demonstrate the potential for future nearby expansion of the KSB Project.”

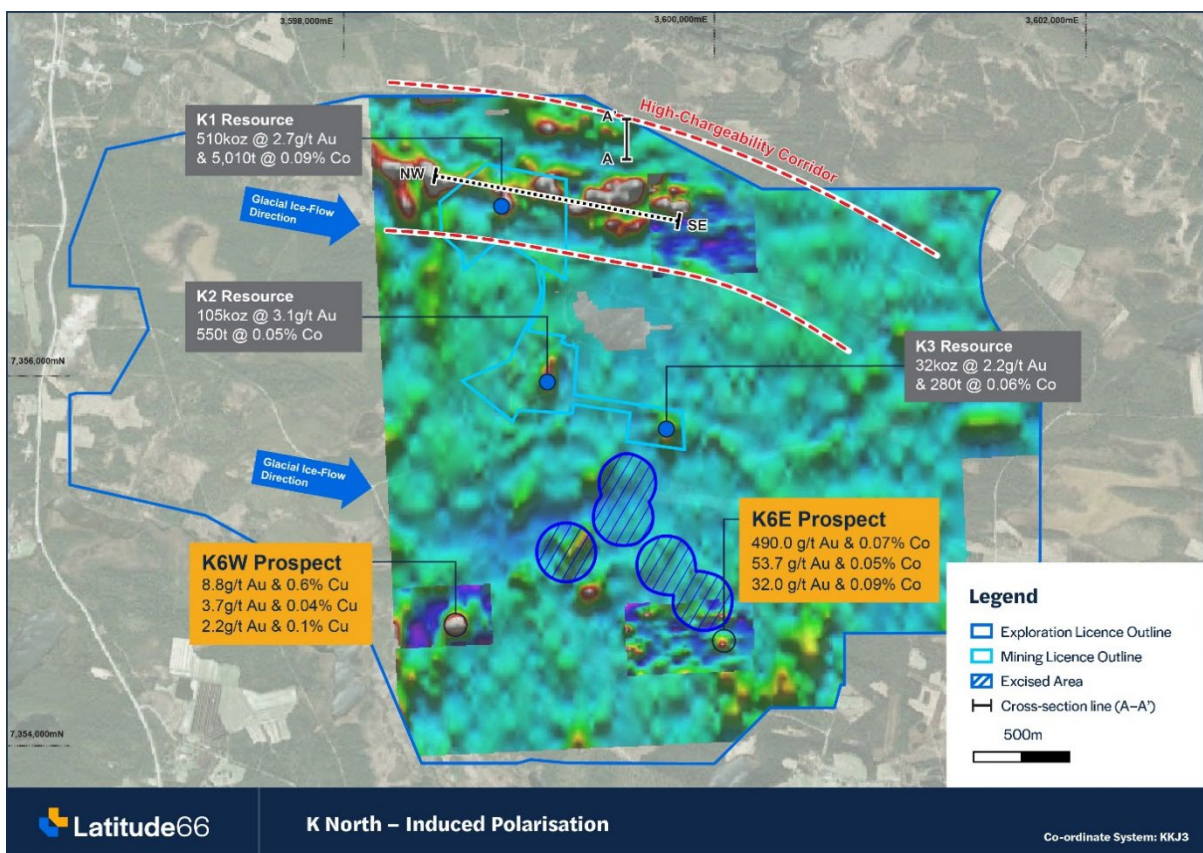


Figure 1: KSB North Project area showing K1, K2 & K3 Mineral Resource¹ location plus K6E & K6W Prospect target areas to be tested with RC drilling.

² ASX Announcement 20 January 2025 – KSB Project Scoping Study Update

K6E and K6W Prospects

The K6E and K6W Prospects are both located approximately 1km south of the Indicated and Inferred Mineral Resource at K2 (Figure 1), with both targets identified through the presence of multiple high-grade boulder samples coincident with the down-ice flow orientation from IP chargeability highs.

A pattern of vertical RC holes will be completed over the top of the geophysical target to locate the source of the mineralised boulder where multiple high-grade results have been previously returned, including³:

K6E

- 490.0 g/t Au & 0.07% Co
- 53.7 g/t Au & 0.05% Co
- 32.0 g/t Au & 0.09% Co
- 15.2 g/t Au & 0.03% Co
- 14.6 g/t Au & 0.04% Co

K6W

- 8.8 g/t Au & 0.6% Cu
- 3.7 g/t Au & 0.04% Cu
- 2.2 g/t Au & 0.1% Cu
- 0.8 g/t Au & 0.3% Cu

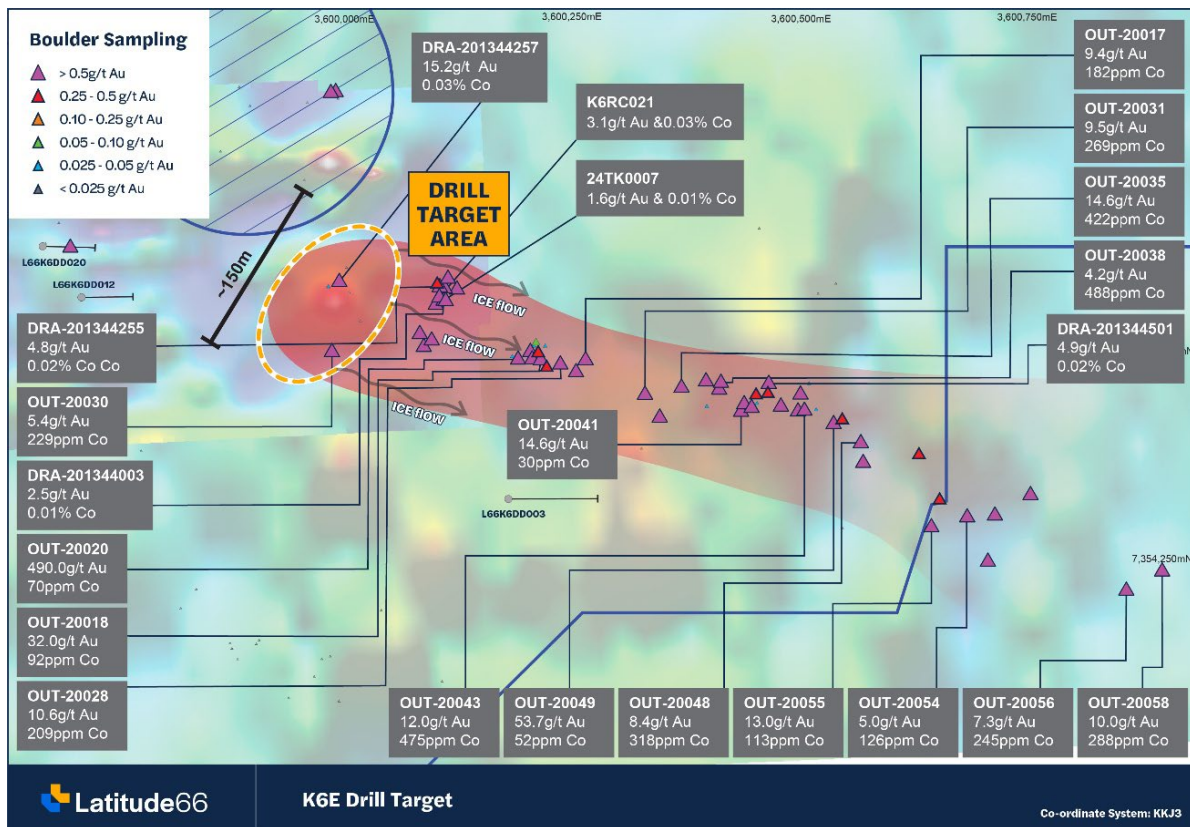


Figure 2: K6E Prospect IP chargeability anomaly to be tested with RC drilling.

³ Previously reported by ASX:LAT on the 29/11/2024 "KSB Project Development Pathway and Exploration Update"

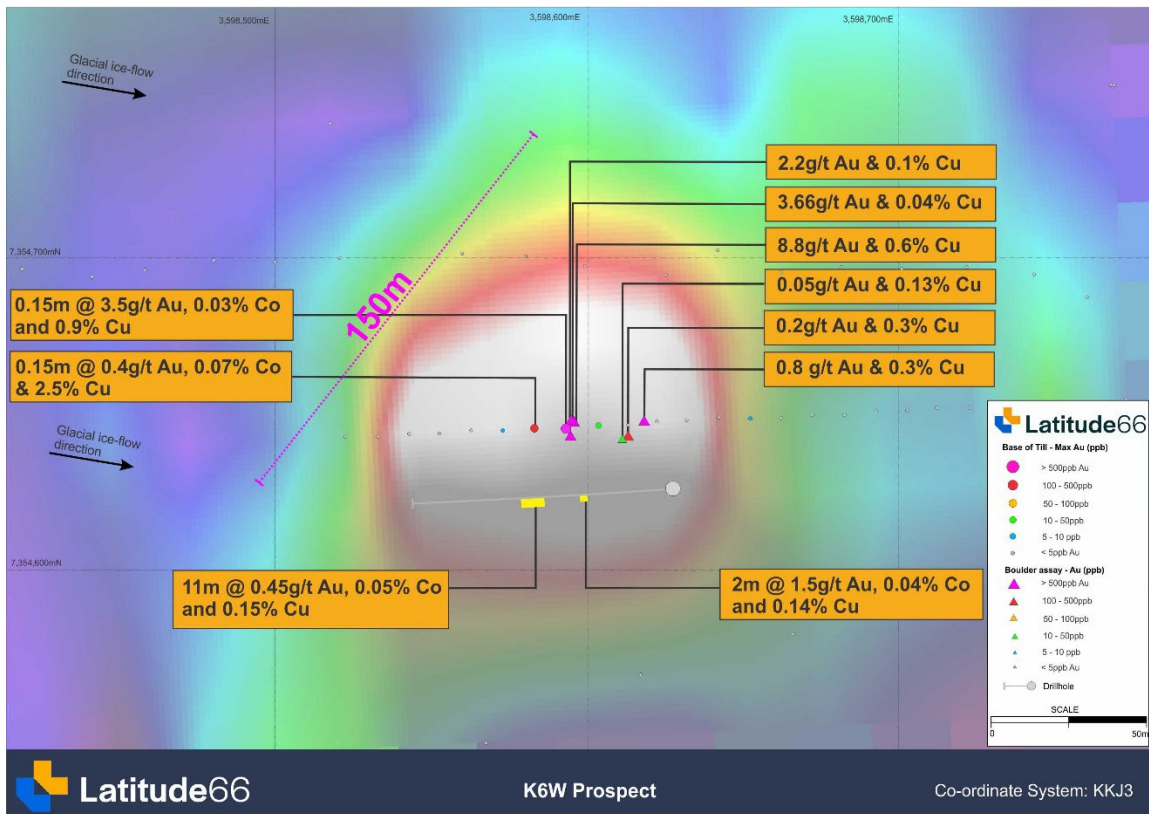


Figure 3: K6W Prospect IP chargeability anomaly to be tested with RC drilling.



Figure 4: The RC drilling rig that will be mobilised to KSB Project site.

- Ends -

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

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KSB Project - JORC Mineral Resource Statement

Deposit	Category	Tonnage (kt)	Au (g/t)	Co (%)	Au (oz)	Co (t)
K1	Indicated	4,600	2.9	0.10	430,000	4,400
	Inferred	1,200	2.1	0.05	80,000	570
	SUB-TOTAL	5,800	2.7	0.09	510,000	5,010
K2	Indicated	960	3.2	0.05	100,000	500
	Inferred	90	1.7	0.05	5,000	50
	SUB-TOTAL	1,050	3.1	0.05	105,000	550
K3	Indicated	340	2.2	0.06	24,000	210
	Inferred	120	2.0	0.06	8,000	70
	SUB-TOTAL	450	2.2	0.06	32,000	280
GRAND TOTAL		7,300	2.7	0.08	650,000	5,840

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 Statements

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.