

Sub-Audio Magnetics (SAM) geophysical data guides upcoming RC drill program at Pinjin. Diamond drilling at Kirgella Gift and Providence to commencing soon.

Kalgoorlie Gold Mining (ASX:KAL) ('KalGold' or 'the Company') is pleased to report that data from its recent high-resolution Sub-Audio Magnetics (SAM) geophysical survey has been received and integrated into KalGold's existing datasets. The data has provided valuable insights to help guide and refine targets for extensive RC follow up drilling at the Pinjin Gold Project.

Highlights:

- Magnetometric conductivity data from the SAM survey has provided valuable additional insights into sub-surface structural features associated with gold anomalism and mineralisation over the Lighthorse corridor, helping to guide follow up RC drill planning. Data processing is ongoing.
- KalGold's largest RC drill program to commence in **mid-September 2025**. A total of 50 RC holes for approximately 6,200 m is planned, comprising:
 - Lighthorse (40 holes for 4,750 m): extending RC coverage to over 1.6 km of strike, testing the full extent of gold anomalism defined by recent aircore drilling.
 - Wessex (7 holes for 1,050 m): as an initial first pass test across a 2 km long zone of shallow gold anomalism and mineralisation.
- Providence South (3 holes for 400 m): to test very strong arsenic enrichment associated with gold anomalism and silcrete cap development.
- Diamond drilling at Kirgella Gift and Providence to commence soon, subject to rig availability.

Commenting on the results of the SAM survey and upcoming drill programs, **KalGold Managing Director Matt Painter** said:

"Exploration of the Lighthorse gold system remains KalGold's priority. The Company's most extensive RC drill program will commence in mid-September to test 1.6 km of strike at Lighthorse. The program will also include first-pass RC drilling at the Wessex prospect, where thick, shallow, aircore gold intercepts extend over 2 km of strike, adjacent to Hawthorn Resources' Anglo Saxon (Trouser Legs) deposit. Drilling will also test Providence South, targeting gold anomalism associated with strong arsenic enrichment and extensive silica cap development.

Recent SAM geophysical survey results over the Lighthorse, T12 and T15 prospects, and Kirgella Gift and Providence gold deposits highlight extensive elevated conductivity zones that correlate with known gold distributions. The SAM technique has been used to discover gold beneath cover elsewhere in the Eastern Goldfields, and this is the first time it has been used at Pinjin. Some of these enhanced targets will be tested in the upcoming RC drill program."

SAM geophysical survey targets

The SAM geophysical survey over the Lighthouse corridor and surrounds was successfully completed in June 2025, covering approximately 9.5 square kilometres and encompassing the Lighthouse, T12 and T15 prospects, and the Kirgella Gift and Providence gold deposits. Such surveys have been used successfully by major gold miners and explorers to discover gold mineralisation beneath cover. Data includes high resolution integrated Total Magnetic Intensity (TMI) and Magnetometric Conductivity (MMC) datasets.

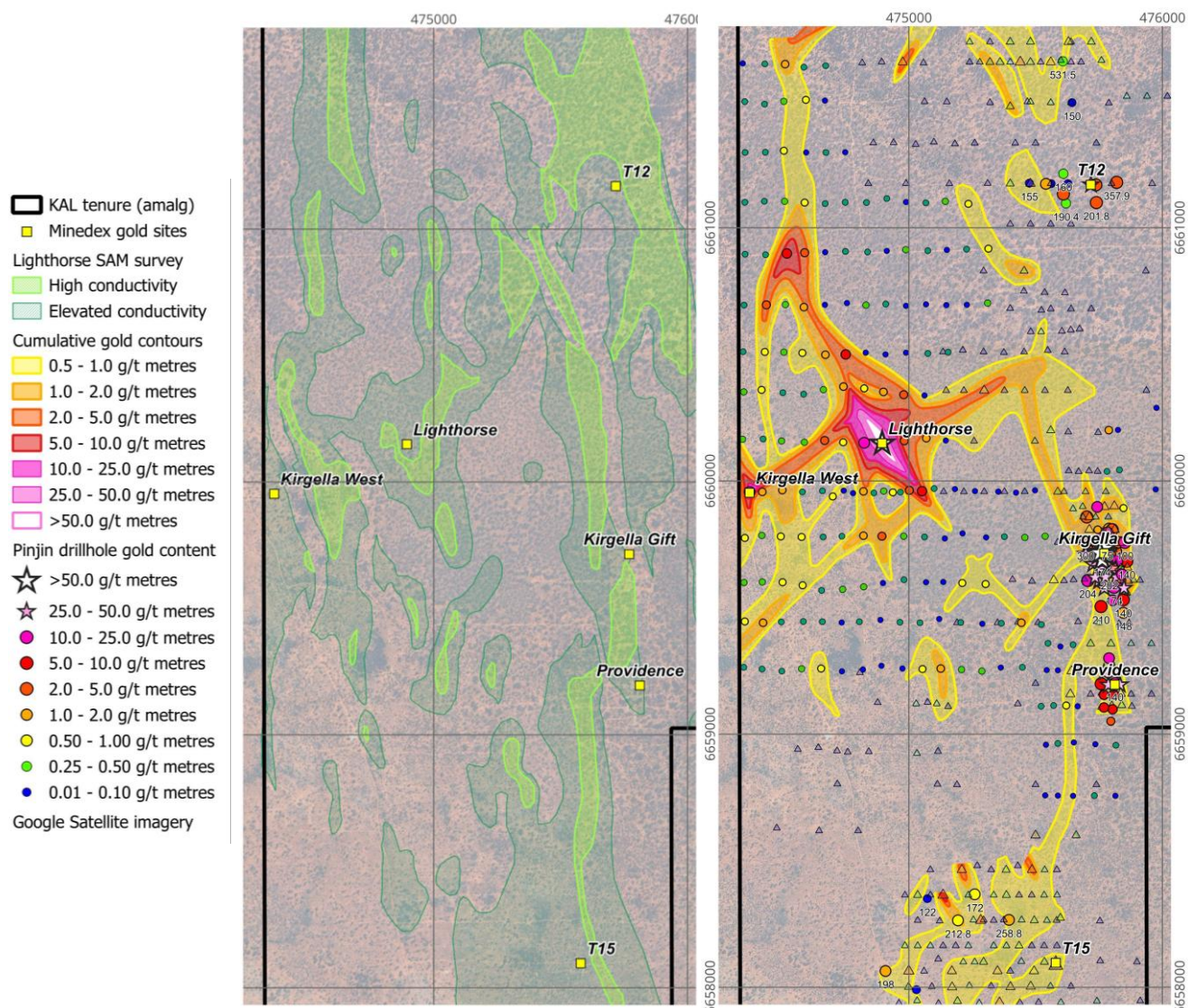


Figure 1 – Coarsely contoured magnetometric conductivity defined from the recent SAM survey at and around Lighthouse (left image). Distributions do not include potentially conductive units such as ultramafic schists. Comparison to previously published gold distributions shown (right image). Drill hole legend applies to all KalGold (circles) and historic (triangles, faded) aircore drill holes. Projection: MGA 94 Zone 51.

Initial review and analysis of magnetometric conductivity data highlights extensive zones of elevated relative conductivity throughout the survey area that commonly correlate with known gold mineralisation and anomalism (Figure 1). While conductivity highs can be intrinsically related to host rock type (e.g. sheared ultramafic rocks), elevated conductivity can also be attributed to structural features (e.g. shear zones) and hydrothermal alteration zones (e.g. sericite alteration associated with gold mineralisation). The spatial distribution of conductivity features provides a much improved understanding of the structural architecture associated with gold anomalism and mineralisation.

Observations from the survey have been integrated with existing geophysical and structural datasets and used to help refine follow up RC drill targets across the Lighthouse corridor. Geophysical inversion

modelling of the SAM data will commence shortly and is expected to further assist defining drill targets in 3D space.

RC follow up drilling to commence in September 2025

An extensive follow-up RC drill program comprising 50 holes for approximately 6,200 m is scheduled to commence in mid-September 2025. Drilling will include:

- **Lighthouse** (40 holes for 4,750 m): Testing over 1.6 km of strike throughout the corridor, targeting aircore gold anomalism, particularly where evident at or near bottom of hole and supported by favourable SAM geophysical features.
- **Wessex** (7 holes for 1,050 m): First pass, wide spaced RC drilling to test the 2 km strike of shallow, thick gold mineralisation previously defined in aircore drilling, located approximately 1 km southwest of Hawthorn Resources' Anglo Saxon (Trouser Legs) open pit mine.
- **Providence South** (3 holes for 400 m): Testing gold anomalism associated with elevated arsenic, located adjacent to and above a silica cap that prevented penetration by first-pass aircore drilling.

Diamond drilling at Kirgella Gift and Providence

KalGold has recently secured access to a reliable bulk water source to support diamond drilling activities, with planned drilling expected to commence shortly, subject to rig availability. The program is supported by \$130,000 in co-funding under the West Australian Government's Exploration Incentive Scheme (EIS) (ASX: KAL 23 October 2024). Previous work by the Company has defined a JORC Code (2012) Inferred Mineral Resource of 2.34 Mt @ 1.0 g/t Au for 76,400 oz at Kirgella Gift and Providence (ASX: KAL 25 July 2024), with the EIS program designed to provide key structural data, and to test a conceptual high grade structural intersection exploration target at depth between the two deposits.

A total of four holes for approximately 1,070 m are planned, with EIS funding available until the end of November 2025.

About the Pinjin Project

The Pinjin Gold Project is located in a Tier One location approximately 140 km northeast of Kalgoorlie Boulder and covers a substantial portion of the southern part of the prolific Laverton Tectonic Zone (LTZ). To the north, this major crustal structure hosts some of the Eastern Goldfields' largest gold mines and deposits.

The project is strategically located near Ramelius Resources' (ASX: RMS) Rebecca Gold Project, where a recent pre-feasibility study outlined a path to gold production by 2027.

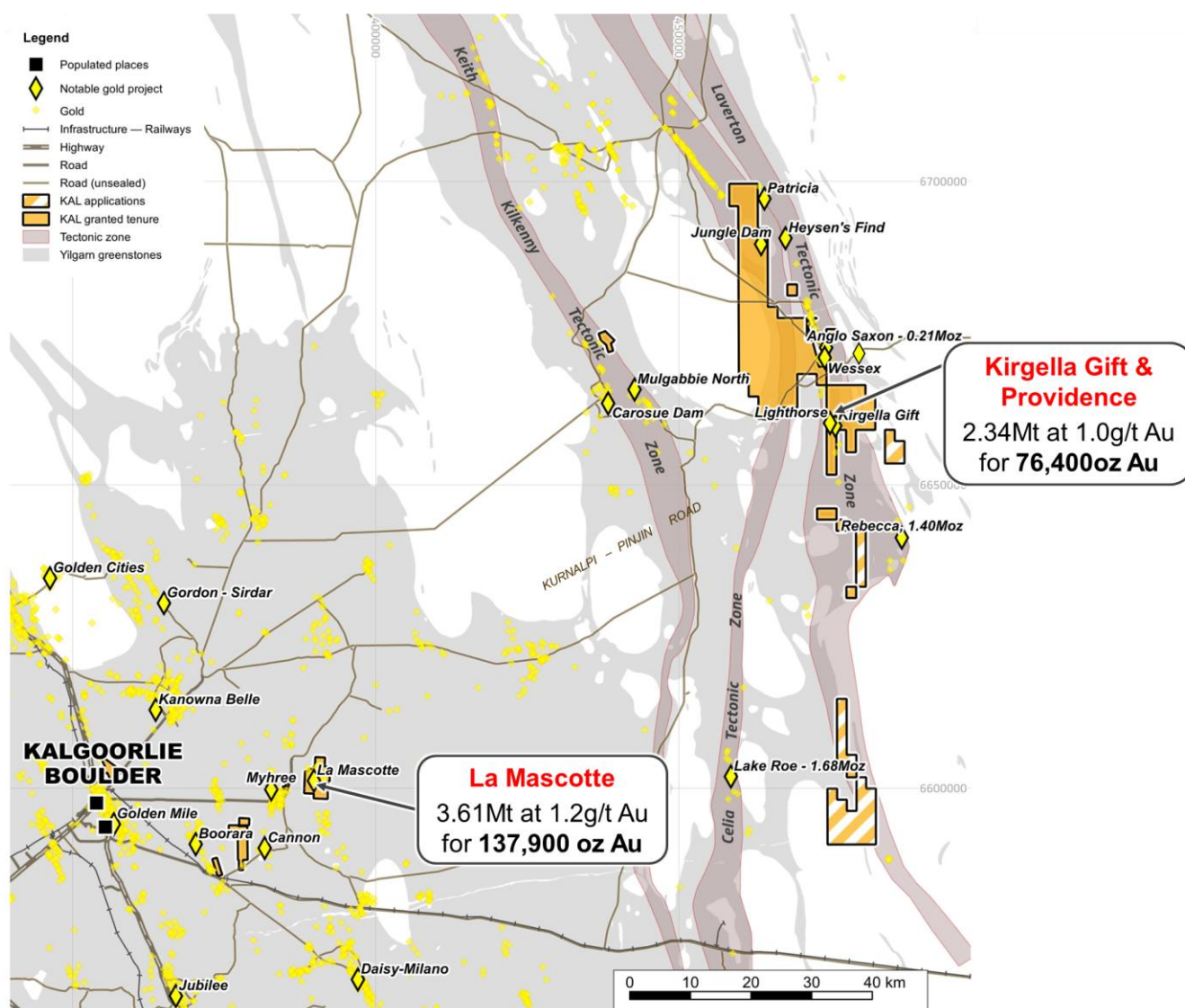


Figure 2 – Location map of the Lighthorse gold prospect at KalGold's Pinjin Project around 140 km northeast of Kalgoorlie-Boulder. The project is situated approximately 25 km north of Ramelius Resources' (ASX: RMS) Rebecca Gold Project. Also shown are KalGold's JORC Code (2012) Inferred Mineral Resources, the outcropping La Mascotte deposit 35 km east of Kalgoorlie, and the Kirgella Gift and Providence deposits from only 3m depth at Pinjin. Projection: MGA 94 Zone 51.

Authorised for lodgement by the Board of Kalgoorlie Gold Mining Limited.

For further information regarding KalGold, please visit www.kalgoldmining.com.au or contact:

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About KalGold

ASX-listed resources company Kalgoorlie Gold Mining (KalGold, ASX: KAL) is a proven, low-cost gold discoverer with a large portfolio of West Australian projects and a total gold resource in excess of 214,000 oz. KalGold prides itself on defining shallow, potentially open-pittable gold resources at very low costs, currently less than A\$4.60 per ounce of gold². Current focus includes:

- The **Pinjin Project** within the **30 Moz Laverton Tectonic Zone** (host to Sunrise Dam, Granny Smith, Rebecca, Anglo Saxon, and Wallaby projects) is located only 25 km north along strike from Ramelius Resources (ASX: RMS) **Rebecca Gold Project**. A first JORC Code (2012) Inferred Mineral Resource Estimate at Kirgella Gift and Providence (2.34 Mt @ 1.0 g/t Au for 76,400 oz¹) represents the first area targeted at Pinjin, with many more targets scheduled for testing. The company aims to define further resources as these targets are tested. Some tenure is the subject of a farm-in over two years. Between this tenure and KalGold's own tenure and applications, the Company has established a significant presence in a strategic and important gold producing region.
- The **Bulong Taurus Project**, 35 km east of Kalgoorlie-Boulder. Contains the outcropping **La Mascotte** gold deposit where KalGold has defined a JORC Code (2012) Inferred Mineral Resource Estimate of 3.61 Mt @ 1.19 g/t Au for 138,000 oz², plus a series of satellite prospects and historic workings of the **Taurus Goldfield**. Work continues at the project.



¹ See KalGold ASX release, "First Kirgella Gift Inferred Resource of 76,400oz from 3m". 25 July 2024.

² See KalGold ASX release, "La Mascotte gold deposit: First JORC (2012) Mineral Resource of 138,000 oz Au". 7 March 2023.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING INFORMATION

This news release contains forward-looking statements and forward-looking information within the meaning of applicable Australian securities laws, which are based on expectations, estimates and projections as of the date of this news release.

This forward-looking information includes, or may be based upon, without limitation, estimates, forecasts and statements as to management's expectations with respect to, among other things, the timing and amount of funding required to execute the Company's exploration, development and business plans, capital and exploration expenditures, the effect on the Company of any changes to existing legislation or policy, government regulation of mining operations, the length of time required to obtain permits, certifications and approvals, the success of exploration, development and mining activities, the geology of the Company's properties, environmental risks, the availability and mobility of labour, the focus of the Company in the future, demand and market outlook for precious metals and the prices thereof, progress in development of mineral properties, the Company's ability to raise funding privately or on a public market in the future, the Company's future growth, results of operations, restrictions caused by COVID-19, performance, and business prospects and opportunities. Wherever possible, words such as "anticipate", "believe", "expect", "intend", "may" and similar expressions have been used to identify such forward-looking information. Forward-looking information is based on the opinions and estimates of management at the date the information is given, and on information available to management at such time.

Forward-looking information involves significant risks, uncertainties, assumptions, and other factors that could cause actual results, performance, or achievements to differ materially from the results discussed or implied in the forward-looking information. These factors, including, but not limited to, fluctuations in currency markets, fluctuations in commodity prices, the ability of the Company to access sufficient capital on favourable terms or at all, changes in national and local government legislation, taxation, controls, regulations, political or economic developments in Australia or other countries in which the Company does business or may carry on business in the future, operational or technical difficulties in connection with exploration or development activities, employee relations, the speculative nature of mineral exploration and development, obtaining necessary licenses and permits, diminishing quantities and grades of mineral reserves, contests over title to properties, especially title to undeveloped properties, the inherent risks involved in the exploration and development of mineral properties, the uncertainties involved in interpreting drill results and other geological data, environmental hazards, industrial accidents, unusual or unexpected formations, pressures, cave-ins and flooding, limitations of insurance coverage and the possibility of project cost overruns or unanticipated costs and expenses, and should be considered carefully. Many of these uncertainties and contingencies can affect the Company's actual results and could cause actual results to differ materially from those expressed or implied in any forward-looking statements made by, or on behalf of, the Company. Prospective investors should not place undue reliance on any forward-looking information.

Although the forward-looking information contained in this news release is based upon what management believes, or believed at the time, to be reasonable assumptions, the Company cannot assure prospective purchasers that actual results will be consistent with such forward-looking information, as there may be other factors that cause results not to be as anticipated, estimated or intended, and neither the Company nor any other person assumes responsibility for the accuracy and completeness of any such forward-looking information. The Company does not undertake, and assumes no obligation, to update or revise any such forward-looking statements or forward-looking information contained herein to reflect new events or circumstances, except as may be required by law.

No stock exchange, regulation services provider, securities commission or other regulatory authority has approved or disapproved the information contained in this news release.

COMPETENT PERSON STATEMENT

The information in this report that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Dr Matthew Painter, a Competent Person who is a Member of the Australian Institute of Geoscientists. Dr Painter is the Managing Director and Chief Executive Officer of Kalgoorlie Gold Mining Limited (KalGold) and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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. Dr Painter consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. Dr Painter holds securities in Kalgoorlie Gold Mining Limited.

EXPLORATION RESULTS

The references in this announcement to Exploration Results were reported in accordance with Listing Rule 5.7 in the announcements titled:

- *Lighthouse Strike Extended to 1,450m. Extensive RC Program Beginning Shortly, 15 July 2025.*
- *SAM geophysical survey commencing around Lighthouse, and exploration update, 6 June 2025*
- *Farm-in at Pinjin Gold Project completed, 29 May 2025.*
- *Quarterly activities report for the quarter ending 31 March 2025, 30 April 2024*
- *Lighthouse RC program confirms primary gold mineralisation at depth, follow up drilling imminent, 15 April 2025*
- *Aircore drilling to test Lighthouse strike extensions in April, 10 March 2025*
- *Multi-kilometre target areas along strike at KalGold's Lighthouse discovery, 17 February 2025*

- *Lighthorse gold discovery follow-up RC drilling to commence first week of March, 13 February 2025*
- *'Lighthorse' gold discovery at Pinjin: thick, high-grade gold intercepted at new greenfields find, 7 February 2025*
- *First-pass aircore drilling at Kirgella West: broad gold anomalism and mineralisation over 1,200m strike, 18 December 2024*
- *Quarterly activities report for the quarter ending 30 September 2024, 30 October 2024*
- *More thick, shallow gold intercepts at Pinjin extend Wessex target to 2 km strike length, 9 October 2024*
- *Thick gold intercepts from initial drilling at Wessex near Anglo Saxon gold mine, 23 May 2024*
- *Providence: North plunging shallow gold mineralisation has significant potential, 7 December 2023*
- *Shallow, high-grade results extend Kirgella Gift and Providence corridor to over 1,150m of strike, 25 October 2023*
- *Thick, shear-hosted gold mineralisation intercepted at Kirgella Gift, 8 June 2023*
- *KalGold farms-in to Kirgella gold tenements and acquires Rebecca West tenure at Pinjin, 23 May 2023.*

The Company confirms that it is not aware of any new information or data that materially affects the information included in the previous market announcements noted above.

MINERAL RESOURCE ESTIMATES

The references in this announcement to Mineral Resource estimates were reported in accordance with Listing Rule 5.8 in the following announcements:

- *La Mascotte gold deposit: First JORC (2012) Mineral Resource of 138,000 oz Au, 7 March 2023.*
- *First Kirgella Gift Inferred Resource of 76,400 oz from 3m, 5 July 2024.*

In accordance with ASX Listing Rule 5.23, the Company confirms that it is not aware of any new information or data that materially affects the information included in the previous market announcement noted above and that all material assumptions and technical parameters underpinning the Mineral Resource estimates in the previous market announcements continue to apply.