

Drilling commences on key gold and nickel targets at Roe Hills Project, east of Kalgoorlie

Initial RC drilling underway at the exciting Caliburn prospect with Talc Lake and Black Cat to follow

Highlights

- Kairos' 2021 exploration program advancing with Ausdrill commencing the planned drilling program at the highly prospective Roe Hills Project, 120km east of Kalgoorlie.
- The program consists of approximately 3,000m of RC drilling and is designed to test for both gold and nickel mineralisation at the Caliburn, Talc Lake and Black Cat prospects.
- An Ultrafine+ soil sampling program is also underway to assist in generating additional drill targets.
- The planned 20,000m drill program at the Mt York Gold Project in the Pilbara will now commence directly after the Roe Hills drilling.



Figure 1: Location of the Roe Hills Project, WA.

Kairos' Executive Chairman, Terry Topping, said: *"It's great to have a rig spinning once again at Roe Hills, with the 3,000m Reverse Circulation program foreshadowed in March now well and truly underway. The Ausdrill RC rig is on site and already well into the program, with the initial focus at the highly prospective Caliburn gold target, located near Silver Lake Resources' French Kiss gold deposit.*

"Our drilling will revisit some previous broad anomalous intercepts within a significant shallow gold zone that remains open in all directions. The rig will then test a significant nickel sulphide target at Talc Lake and then move on to test the extensive gold-in-soil anomaly at Black Cat. In parallel with the drilling, an extensive Ultrafine+ soil sampling program is also in progress at Roe Hills to help us define additional drill targets.

"In the meantime, our exploration team has been hard at work setting up camp at the Mt York Project in the Pilbara following the cessation of the wet season. The team is already out in the field and has commenced a major new soil sampling program. We are now able to commence the planned 20,000m program outlined last month directly after the drilling at Roe Hills. We will provide further updates on this in the near future.

"This is the start of an active period for Kairos, with the 2021 exploration field season now stepping up a gear. We are looking forward to seeing what our team can deliver from this next concerted program of activity across both of our key projects in the Eastern Goldfields and the Pilbara region of WA."

Further to its announcement of 18 March 2021, Kairos Minerals Ltd (ASX: KAI; "Kairos" or "the Company") is pleased to advise that it has now commenced a program of Reverse Circulation (RC) drilling at its 100%-owned **Roe Hills Project** in WA, the first drilling to be undertaken at the project in a number of years.

The program, comprising approximately 3,000m of RC drilling in total, has commenced at the Caliburn gold target.

The Talc Lake prospect will then be drilled, to follow up previous significant nickel sulphide results and to test a new interpreted ultramafic unit. The rig will then be moved to the Black Cat prospect area to test a recently generated gold-in-soil anomaly.

Kairos is also conducting an Ultrafine+ soil sampling program across the Roe Hills Project area to assist with the generation of additional drill targets.

RC Drilling Program

Kairos' drilling contractor, Ausdrill, has commenced a ~3,000m Reverse Circulation (RC) drill program over the Roe Hills Project, located east of Kalgoorlie.

Drilling is currently underway at the Caliburn prospect before moving to Black Cat and Talc Lake prospects. Refer to Figure 3 for the location of these prospects. Further details regarding this drill program were provided in the Company's ASX announcement of 18 March 2021 (Kairos March Exploration Update).

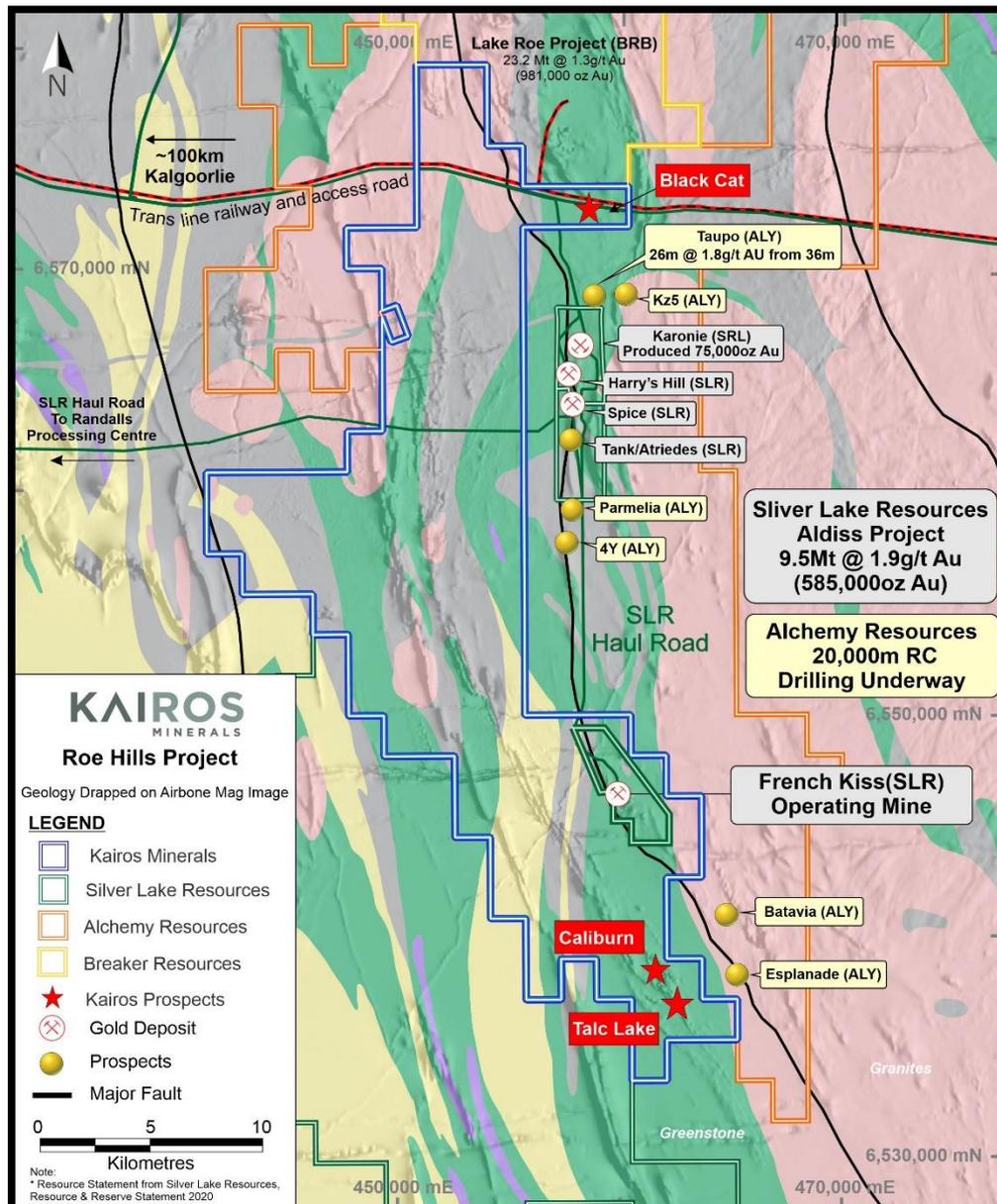


Figure 2: Black Cat, Caliburn and Talc Lake prospects location within the Roe Hills Project area.

Soil Geochemistry Program

Approximately 1,200 Ultrafine+ soil samples are planned to be collected at the Roe Hills Project, covering the Caliburn and Talc Lake prospect areas, as well as prospective areas further to the north, south and east. The program will be conducted on a 200m line spacing and 50m sampling spacing. The Ultrafine+ soil sampling technique has been developed by CSIRO to explore areas under transported cover, and it is expected that this technique will allow the Company to detect geochemical anomalies over the margins of the salt lakes.

Next Steps

- Ongoing RC drilling at Roe Hills Project.
- Ongoing soil sampling program at Roe Hills Project.
- Ongoing Rock chip/mapping and soil sampling program at Mt York Project.
- 20,000m Mt York RC drilling program.
- Aircore drilling of the Kangan Project.

With the authority of the Board.

About Kairos Minerals

Kairos Minerals (ASX: KAI) is a diversified West Australian-based exploration company which is focused on the exploration and development of two key project hubs located in WA's premier mining districts.

The Company's 100%-owned Pilbara Gold-Project has its central "hub" located ~100km south of Port Hedland in the world-class Pilgangoora district immediately adjacent to the major lithium-tantalum projects owned by Pilbara Minerals and Altura Mining, which are both currently in production.

Since acquiring the project in early 2016, Kairos has established a JORC Indicated 8.56Mt at 1.3 g/t for 366,000oz and Inferred 12.36Mt at 1.28 g/t for 507,000oz for a Total Mineral Resource of 20.93Mt @ 1.3g/t Au for 873,000oz (ASX announcement, 4 March 2020). The Project encompasses the historical Lynas Find gold project, which produced over 125,000oz of gold between 1994 and 1998.

Kairos's 100%-owned Roe Hills Project, located 120km east of Kalgoorlie in WA's Eastern Goldfields, comprises an extensive tenement portfolio where the Company's recent exploration work has confirmed the potential for significant discoveries of high-grade gold, nickel and cobalt mineralisation. Kairos' tenure adjoins the emerging Lake Roe gold discovery, owned by Breaker Resources (ASX: BRB).

In the Pilbara, Kairos also holds 1,547 square kilometres of tenure (granted and applications) which is highly prospective for gold discoveries.

Kairos has been well recognised for its industry leading technical team that includes its Chairman Terry Topping (Taipan Resources NL, Cauldron Energy Ltd), Technical Director Neil Hutchison (Poseidon Nickel, Jubilee Mines) and consulting specialists.

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COMPETENT PERSON STATEMENT:

Competent Person: The information in this report that relates to Exploration Results or Mineral Resources is based on information compiled and reviewed by Mr Terry Topping, who is a Director of Kairos Minerals Ltd and who is also a Member of AusIMM. Mr Topping has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity which they are undertaking to qualify as Competent Persons as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves.' (the JORC Code 2012). Mr Topping has consented to the inclusion in the report of the matters based on their information in the form and context in which it appears.

The Australian Securities Exchange has not reviewed and does not accept responsibility for the accuracy or adequacy of this release.