

ASX ANNOUNCEMENT

27 July 2020

Kairos to commence 5,000m RC drill program in mid-August as Pilbara exploration program gains momentum

RC drilling to start at Mt York before moving to the exciting Fuego prospect (Croydon Project)

Highlights

- Drill contractor appointed for the Mt York and Croydon RC drilling programs, with the first program to commence at the Mt York deposit in mid-August.
- First-pass regional soil sampling program completed at the Kangan Project, with 1,587 samples collected and assays pending.
- The ultrafine soil samples from the Kangan project are part of the CSIRO research program that utilizes the latest advanced technologies for geochemical mapping and targeting.
- Exploration camp moved to the Skywell Project area for a soils and rock chip sampling program, mapping and drone surveys.
- Raw data from the airborne magnetic and radiometric survey received with levelling and interpretation underway.
- Sub-audio magnetics (SAM) surveys expected to start in early-August to cover drill target areas at the Fuego and Tierra prospects (Croydon Project) as well as the Old Faithful and Iron Stirrup deposits (Mt York Project).



Figure 1: Recent photo from the Fuego Prospect (Croydon Project), peak soil anomaly (648ppb Au) on the top of the hill.

Kairos' Executive Chairman, Terry Topping, said: "With the recent closure of the rights issue marking the completion of our \$4.2 million capital raising, the Company is fully-funded for upcoming exploration activities across our flagship Pilbara Gold Project. The 2020 campaign is about to move up a gear with the imminent commencement of a 5,000m RC program across the Mt York and Croydon Projects.

"Drilling will initially target extensions of the Mt York, Iron Stirrup and Old Faithful deposits at Mt York before moving on to test the exciting greenfields targets at Fuego and the Tierra prospects within the Croydon Project. We are also making excellent progress with other key elements of our exploration campaign, with the ultrafine soil sampling program over the Kangan Project now complete and the exploration team now relocated to the Skywell Project for mapping, soil sampling and rock chip sampling.

"We are also currently processing data from the airborne magnetic and radiometric survey, which will help us enormously in trying to identify prospective target areas for intrusive-related gold discoveries."

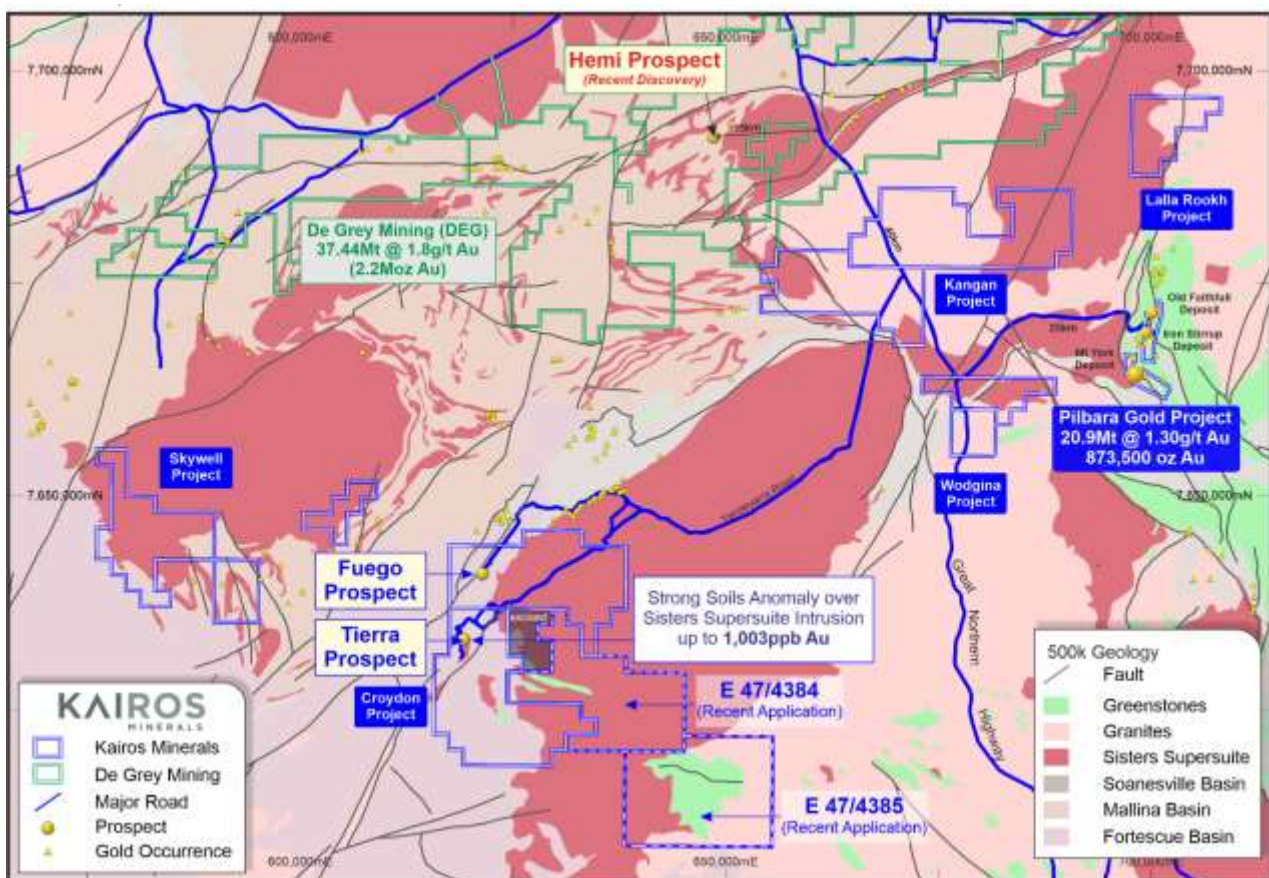


Figure 2: Pilbara Gold Project, WA.

Kairos Minerals Ltd (ASX: KAI; "Kairos" or "the Company") is pleased to advise that its 2020 exploration program continues to make excellent progress across its 100%-owned **Pilbara Gold Project in WA**. Current and planned exploration activities include soil and rock chip sampling, mapping, airborne magnetic and radiometric surveys, sub-audio magnetic surveys and RC drilling.

RC Drilling Program

Kairos has engaged Mt Magnet drilling company to undertake a 5,000m Reverse Circulation (RC) drill program over its Mt York and Croydon Projects. A track-mounted rig is expected to arrive on site in mid-August, starting the first program at the Mt York deposit to test the north-west extension of the mineralisation. Only one historical hole has been drilled over this target area within Kairos' ground.

Pilbara Minerals holds the adjacent ground to the west and recently conducted an RC drilling program to test gold mineralisation similar to Kairos' Mt York deposit (see PLS: ASX announcement 28 April 2020).

Hole MYRC007 returned an intercept of 16m @ 2.43 g/t Au from 16m. This hole is located 1.2km from Kairos' Mt York Mineral Resources, within the same geological setting.

The RC drilling program is designed to test targets at Mt York, Iron Stirrup and Old Faithful deposits, as well as the Green Creek and Zakanaka prospects. After completing the drill program at Mt York, the rig will be moved to the Croydon Project area to test the greenfields Fuego and Tierra prospects.

There is no previous drilling on these prospects, and the targets are supported by strong geochemical anomalies coincident with magnetic features defined by Kairos' recent airborne geophysical survey.

Soil Geochemistry Program

Kairos has now completed the first-pass regional soil geochemical program for the Kangan Project.

Soil sampling was conducted on 200m and 400m line spacing by 80m and 160m sample intervals covering intrusion-related gold mineralisation targets and structural targets defined by mapping and by the preliminary data from the airborne geophysical survey.

A total of 1,587 samples were collected, with 1,071 samples sent to Labwest in Perth for the CSIRO's ultrafine analysis. The remaining 516 samples were collected over structural and geological targets utilizing traditional -80 mesh sieving and were sent to Intertek Laboratory in Perth for gold and multi-element analysis.

Field personnel have now moved the exploration camp to the Skywell Project area to commence a soils and rock chip sampling program, mapping and drone surveys.

Airborne Magnetic and Radiometric Program

An extensive airborne magnetic and radiometric survey comprising 2,146 lines for 13,920km has been completed across Kairos' Pilbara Gold Project.

Preliminary data received from the survey has been used to generate targets for the current soil geochemistry program. Consultant geophysicist Russell Mortimer from Southern Geoscience Consultants is currently processing the data for further interpretation and targeting.

Sub-Audio Magnetism (SAM) Survey

A ground-based geophysical program has been designed to support drill targeting at the Fuego and Tierra prospects (Croydon Project) as well as the Old Faithful and Iron Stirrup deposits (Mt York Project). The survey has been delayed due to COVID-19 restrictions and is expected to start early-August.

Next Steps

- Mapping, soils and rock chip sampling at the Skywell Project.
- Compile and evaluate assay results from the soil sampling program conducted at the Kangan Project.
- Data levelling and processing for the airborne geophysical survey, with further interpretation and target generation.
- Undertake the SAM survey at Mt York and Croydon Projects.
- Commence RC drilling at the Mt York and Croydon Projects.

Released 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.