

Field Exploration Commences across Pilbara Gold Project, WA

New multi-pronged exploration initiatives include mapping, sampling, geophysics and planned drilling at the Fuego, Mt York and Kangan Projects

Highlights

- Field exploration has commenced across the 100%-owned Pilbara Gold Project, WA.
- Detailed Aeromagnetic survey approved to target Hemi-style intrusive features.
- CSIRO engaged for ultra-fine soil sampling analysis at the Kangan Project.
- Access to the Fuego prospect (Croydon Project) established with earthworks set to commence in the coming weeks.
- EIS Government Grant awarded for up to \$150,000 for drilling of the Fuego Prospect in the recent round of funding.
- All Government and Heritage approvals are in place for both trenching and drilling.
- Drilling planned to commence in July at both the 873koz Mt York Project and the Fuego Prospect (Croydon Project).



Figure 1: Recent photo from the Skywell Project, Pilbara WA.

Kairos' Executive Chairman, Terry Topping, said: *"We are excited to be back in the field for the first time this year following the lifting of the COVID-19 travel restrictions. Coming on the back of our highly successful recent \$2.5 million capital raising and amidst a \$1.7 million rights issue, this marks the beginning of a very busy period for the Company as we embark on a new multi-pronged exploration campaign across our extensive and highly prospective Pilbara Gold Project.*

"At a time when investor interest in gold exploration in the Pilbara is at an all-time high thanks to the rapidly emerging high-grade discovery at De Grey Mining's Hemi prospect, we are really looking forward to what this upcoming field season can deliver for our shareholders. Importantly, we have multiple targets and multiple opportunities to test – which should keep us busy for the foreseeable future. A key focus will be exploring for Hemi-style intrusive targets and developing a pipeline of drilling targets.

"Based on the current timetable, we expect to be drilling first at the advanced Mt York Project, where we have significant unfinished business from our drilling at the end of last year. We will most likely then move to drill the extensive Fuego gold anomaly, located on our Croydon Project. Subject to access and heritage surveys, we also hope to commence air-core drilling across the exciting Kangan Project, located 20km south of the Hemi discovery. This sequence may change subject to results and other factors beyond our control, but we are confident we will have a full book of activity for the rest of this year and beyond."

Kairos Minerals Ltd (ASX: KAI; "Kairos" or "the Company") is pleased to advise that it has commenced field activities across its 100%-owned **Pilbara Gold Project** in the Pilbara region of Western Australia.

The focus of this initial work has been to establish access to the numerous projects with a view to expanding our previous exploration efforts to include detailed exploration for Hemi-style intrusive targets.

This work will be complemented by series of detailed aeromagnetic surveys, commencing next week, over most of our tenements, and then follow-up soil sampling and mapping of target areas. The Company has also engaged the CSIRO to utilise its current program of ultrafine gold-in-soil techniques across the Pilbara.

Work has also commenced in preparation for drilling on the Mount York Resource (following up a truncated drilling program completed late last year) and also at the Fuego Prospect at the Croydon Project.

The Fuego Prospect is a 150m to 200m wide gold anomaly that extends over a strike length of 10km above a 30ppb Au cut-off and includes a high-grade 1.1km long core above a 100ppb Au cut-off which has returned peak values of up to 648ppb gold (0.64g/t).

The new discovery represents a significant step forward in Kairos' ongoing gold exploration program in the Pilbara. Given its scale, coherent nature and high tenor, the anomaly has the potential to represent a significant conventional gold exploration target alongside the well-established gold potential of the area.

There is typically minimal dispersion effect associated with gold-in-soil anomalism across the Pilbara, which means that a large and coherent anomaly such as this has strong potential to be associated with bedrock gold mineralisation.

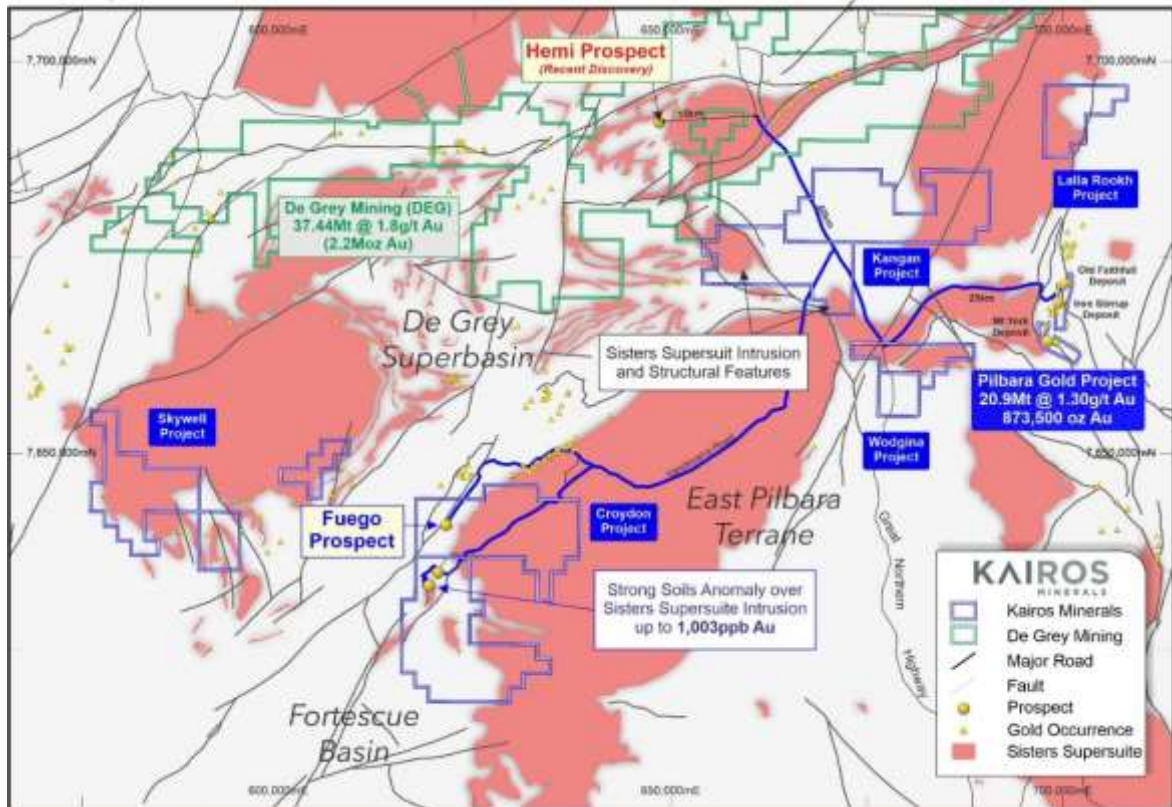


Figure 2 : Pilbara Gold Project, WA.

Airborne Magnetic and Radiometric Survey

An airborne magnetic and radiometric survey has been planned to cover the Skywell, Croydon, Kangan and Lalla Rookh Project areas. The survey will initially be completed on 50 to 100m line-spacing.

Kairos is finalising the design of this survey, which is expected to start next week. In addition, the Company has engaged the consultant geophysicist Russell Mortimer from Southern Geoscience Consultants to assist the Company with planning and managing the survey and with the interpretation of the results.

Ultra-fine+ Soils and CSIRO Research Project

Kairos has planned a geochemical soil sampling program to cover two different targets within tenement E45/4740 of the Kangan Project.

A total of 1,100 soil samples have been planned to test the Sisters Supersuit intrusions and the BIF unit of the Cleaverville Formation. Samples from the Kangan Project will be sent to Labwest (Perth) for Ultrafine+ analysis of gold and pathfinder elements and a range of other physical characteristics.

CSIRO has developed the Ultrafine+ method along with GSWA, the Mineral Research Institute of Western Australia and several exploration companies. They developed the Ultrafine+ process for particles less than two microns in size. Kairos has joined this ground-breaking CSIRO research program and the results will be assessed utilizing latest advanced technologies for geochemical mapping and targeting.

The Ultrafine+ geochemical program, combined with the results from the airborne geophysical survey, have great potential to generate drill targets.

EIS Co-Funded Drilling Program

Kairos has made a successful application for Round 21 of the co-funded Exploration Incentive Scheme.

Under this program, the WA State Government will contribute up to \$150,000 towards direct drilling costs that will support the drilling program planned for the Croydon Project. Kairos has planned 23 holes for a total of 4,210m of RC and diamond drilling to test the core of the 10km long soil geochemical anomaly at the Fuego Prospect.

No drilling or modern exploration has ever been completed within the Croydon Project area until the recent exploration conducted by Kairos Minerals. The diamond drilling program will greatly increase the Company's understanding of the geology and gold mineralisation in the area and assist in targeting future exploration.

Iron Stirrup Drilling Program

In 2019, Kairos planned an RC drilling program comprising 22 holes for a total of 3,840m at the Iron Stirrup deposit. In December 2019, the Company completed Phase 1 of this drilling program, completing 12 holes for 1,218m. A track-mounted drill rig is required to complete the remaining holes of the program.

Kairos is planning to start the Iron Stirrup second-phase drilling program before the end of July and move the same rig to Croydon Project for the co-funded drilling program. The timing is based on the work required to upgrade the access track to the Fuego Prospect and for processing the results of the ground and airborne geophysical surveys.

Drilling Program for Kangan Project

A heritage survey has been requested to clear access tracks for an air-core drilling program that is being designed for the Kangan Project area. Due to the health situation in WA related to the Covid-19 pandemic, access to aboriginal communities is restricted and the survey has been delayed.

In the meantime, Kairos is focusing on non-ground disturbing exploration and, by the time the heritage survey is allowed, the Company expects to have a better definition of the targets and possibly will shift from air-core to RC drilling. The 2019 auger drilling program indicated that the alluvium/colluvium cover can be shallow for some areas of interest.

Rights Issue Update

The Company is currently preparing for lodgement, the prospectus for the one-for-eight non-renounceable rights issue at 1.1 cents to raise up to \$1.7 million as announced on 25 May 2020. This is expected to be lodged this week and the timetable, including the record date, will be set in due course.

Next Steps

- **Earthworks for track access and drilling.**
- **Aeromagnetic surveys.**
- **Soil sampling and mapping utilising the CSIRO Ultrafine+ techniques.**
- **Drilling at Mount York and Fuego (July).**

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 1,158 square kilometres of tenure 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.