

ASX ANNOUNCEMENT

18 June 2020

Kairos substantially expands Croydon Gold Project with new strategic licence applications

New Exploration Licence Applications covering 389.8 km² are prospective for both intrusive-related and structural hosted mineralisation

Highlights

- New tenement area located adjacent to existing granted Exploration Licences.
- Doubles the size of the Croydon Project to 773.6km².
- Licences include granitic rocks of the Sisters Supersuite intrusion.
- Prospective for both intrusive-related (Hemi) style and structurally hosted gold discoveries.
- Further strengthens Kairos' exploration pipeline across its Pilbara Gold Project.



Figure 1: Recent mapping of units of the East Pilbara Terrane, during the recent helicopter-supported field trip on the southeastern area of the Croydon Project.

Kairos' Executive Chairman, Terry Topping, said: "As our 2020 exploration field season continues to gear up quickly, we are pleased to have taken the opportunity to expand the Croydon Project by securing these strategically located tenements immediately south-east of our current granted land-holding. This effectively doubles the size of our land-holding at Croydon and gives us coverage of a highly prospective suite of rocks including the regionally significant Sisters Supersuite intrusions.

"Evidence from the recent Hemi gold discovery suggests that the margins of these large intrusive features where they intrude granites is now highly prospective for new gold discoveries. The land package also includes prospective granite-greenstone rock units that are prospective for more conventional structurally-hosted gold deposits. This further strengthens our extensive pipeline of exploration opportunities across the Pilbara gold district."

Kairos Minerals Ltd (ASX: KAI; "Kairos" or "the Company") is pleased to advise that it has further expanded its 100%-owned **Pilbara Gold Project** in Western Australia after securing a strategic tenement package located immediately to the south-east and adjacent to its Croydon Project.

New Exploration Licence Applications

Kairos has applied for two new Exploration Licenses, ELA47/4384 and ELA47/4385, which are located adjacent to the two granted Exploration Licenses of the Croydon Project. The two new applications cover a total area of 389.8km² bringing the total area of the project to 773.6km².

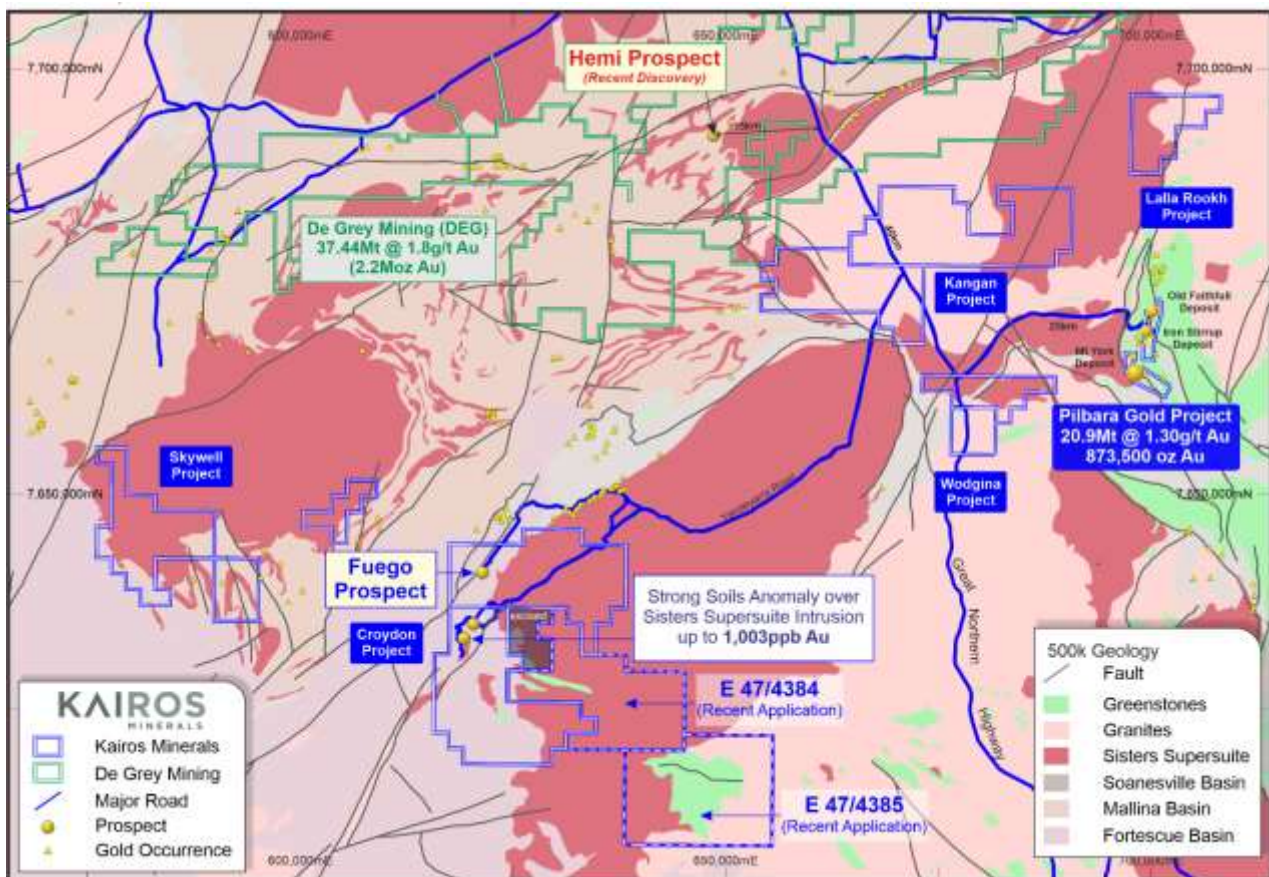


Figure 2: Pilbara Gold Project with new applications ELA 47/4384 and ELA 47/4385.

ELA47/4384

This Exploration Licence Application covers mostly the granitic rocks of the Sisters Supersuit intrusion. Paleo-archaeoan mafic/ultramafic rocks are mapped within the ELA (Satirist Sheet 2555 – GSWA) and are prospective for gold and base metals mineralisation that could be associated with the granitic intrusion. Pegmatites were discovered during a recent helicopter-supported field trip conducted by Kairos geologists.

ELA47/4385

This Exploration Licence Application covers the south-eastern edge of one of the Sisters Supersuit intrusions, which is in contact with granite-greenstones units of the East Pilbara Terrane. The greenstone units are comprised mostly of amphibolites, actinolite-schists, peridotitic komatiite, and serpentine-talc-tremolite rocks (Hooley Sheet 2554 – GSWA). The granitic rocks of the Elizabeth Hill Supersuit are mapped in the eastern part of the licence and are older than the Sisters Supersuit intrusions.

Next Steps

- **Results from Aeromagnetic surveys across the Pilbara Gold Project.**
- **Earthworks for track access and drilling at Mt York and Fuego.**
- **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 1,547 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.

For further information, please contact:**Investors:**

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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.