

ASX ANNOUNCEMENT

29th September 2017

KAIROS LAUNCHES MULTI-PRONGED SEARCH FOR CONGLOMERATE-HOSTED GOLD IN WA'S PILBARA

Extensive sampling and prospector-supported exploration campaigns to commence across ~100km strike length of the highly prospective Mount Roe Basalt, Lower Fortescue Group

Highlights

- **Maiden exploration program to start next week targeting the conglomerate-hosted gold potential of Kairos' extensive Pilbara tenement portfolio, located adjacent to the recent gold discoveries announced by Artemis (ASX: ARV), Novo Resources (TSX-V: NVO) and De Grey Mining (ASX: DEG).**
- **Exploration field crew currently mobilising to site to begin systematic quad bike-assisted soil and stream sediment sampling and prospecting across the identified ~100km strike length of highly prospective lower Fortescue Group Rocks, including the basal Mount Roe Basalt, within its tenement portfolio.**
- **Exploration will focus initially on areas where the target stratigraphy coincides with areas of known historical gold mining activity.**
- **The team will initially focus on the Croydon Prospect, where Kairos has recently mapped thick sequences of the targeted conglomerate stratigraphy in close proximity to one of the major historical alluvial gold mining centres of the Pilbara in the late 19th century.**
- **Company-employed prospectors will be working in conjunction with Kairos' geological field team. Phase 1 of the program is expected to take 3-4 weeks to complete and significant results will be reported as they are received.**

Kairos Minerals Ltd (ASX: KAI; "Kairos" or "the Company") is pleased to advise that its maiden field exploration program targeting the conglomerate-hosted gold potential of its extensive Pilbara lithium-gold tenement portfolio in Western Australia (see Figure 1) is set to commence next week.

The Company's field exploration team is currently mobilising to site with support vehicles including quad bikes, and a major soil/stream sediment sampling program is scheduled to begin by the end of next week in parallel with more targeted, prospector-assisted programs focusing initially on areas of known historical alluvial gold mining activity.

A recent initial field review of the Company's tenements conducted by Kairos' exploration team confirmed their prospectivity for Paleo-Placer "Witwatersrand-style" conglomerate-hosted gold mineralisation similar to the discoveries reported recently in the region by Novo Resources Limited (TSX-V: NVO) and Artemis Resources (ASX: ARV) at Purdy's Reward and OscarWits and, most recently, by De Grey Mining (ASX: DEG) at the Loudens Patch prospect.

Kairos holds 1,158 square kilometres of tenure in this region, which has recently experienced a significant increase in exploration activity targeting conglomerate-hosted gold discoveries.

The recent field assessment, along with results from a review of available geological information for Kairos' tenements, has highlighted the presence of at least ~100 strike kilometres of prospective lower Fortescue Group rocks including both the base of the Hardey Formation and the basal sequence of the Mount Roe Basalt which Artemis/Novo describe as being "the key to the recent new conglomerate gold discoveries in the region."

Gold has been mined from conglomerates associated with both of these horizons historically at several locations in the Pilbara, including at Marble Bar and Nullagine.

Importantly, as early as 1968 the Pilbara region of WA was identified as having the potential to host "Witwatersrand-style" conglomerate hosted gold deposits with several major companies including Carpentaria Exploration and CRA targeting gold and uranium in Archaean aged, paleo-placers in the Hardey Formation of the Fortescue Group with early results being described as "technical successes".

Kairos' upcoming exploration program will focus initially on the Croydon Prospect, where the Company has recently mapped thick sequences of the targeted lower Fortescue Group including the Mount Roe Basalt in close proximity to the historical alluvial gold mining centre of Croydon. Historical accounts of Croydon include the following:

"In 1896 a prospector (Mr Anderson) picked up a 4.98kg gold nugget at Croydon." (Ref: GSWA Bulletin 127 The Geology of the Pilbara Block and it's Environs, Arthur H Hickman 1983)

"The most important occurrences are those that were discovered between 1888 and 1892...including Croydon....although there are no complete official production figures from these mining centres it is clear from early accounts of mining history that these were very rich areas for nuggets, slugs, and finer eluvial and alluvial gold." (Ref: Report 70 Mineral Occurrences and Exploration Potential of the West Pilbara, I. Ruddock GSWA, DOME 1999).

The Novo/Artemis and, most recently, De Grey discoveries, including a significant quantity of gold nuggets found at surface, are associated with a regionally extensive geological formation known as the Fortescue Group of rocks including the lower Hardey Formation and the Mount Roe Basalt. Importantly, the presence of these sequences has now been verified extensively throughout Kairos' tenements.

No recorded detailed sampling for gold has been undertaken along these horizons within Kairos' tenements, although significant alluvial gold nugget occurrences are reported in the historical records in close proximity at several locations including Croydon, Friendly Creek and Marble Bar.

The Company will adopt a dual exploration strategy comprising:

- Systematic soil and stream sediment sampling and mapping along the entire ~100km strike length of identified target stratigraphy within its tenement holding to vector in to areas of interest; and
- Prospector-assisted programs, initially commencing at the Croydon prospect and other historical alluvial mining centres.

The Phase 1 program will take 3-4 weeks to complete and significant results will be reported as they come to hand.

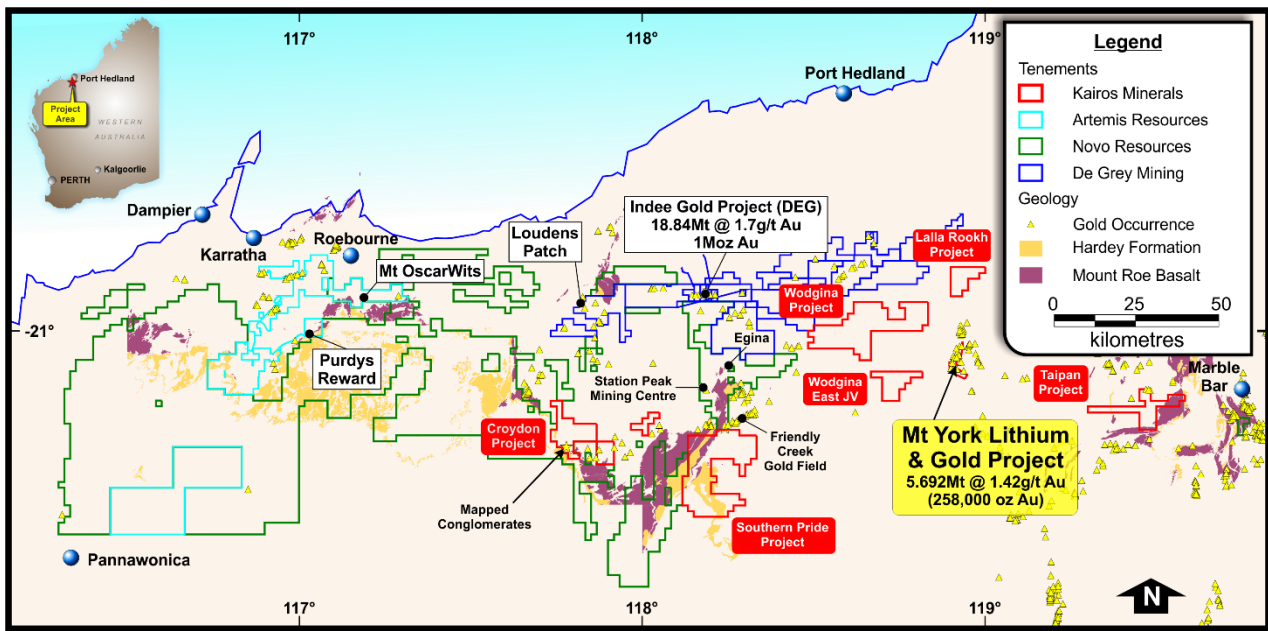


Figure 1. Prospective regional geology and tenure

Kairos cautions investors that further work is required to confirm the gold-bearing nature of the prospective conglomerate sequences which have been identified within Kairos Minerals tenure.



Plate 1. Typical exposure of lower Fortescue Group

ENDS

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 100%-owned Mt York Gold-Lithium Project is located ~100km south of Port Hedland in the world-class Pilgangoora district. Since acquiring the project in early 2016, Kairos has rapidly established a 258,000oz JORC 2012 compliant Mineral Resource inventory at Mt York by re-evaluating the known resources from the historical Lynas Find gold mine, which produced over 125,000oz between 1994 and 1998.

The 100%-owned Roe Hills Project, located 120km east of Kalgoorlie in WA's Eastern Goldfields, comprises an extensive tenement portfolio which is highly prospective for gold, nickel and cobalt discoveries. Kairos' tenure adjoins the emerging Lake Roe gold discovery, owned by Breaker Resources (ASX: BRB).

Kairos has completed maiden drilling programs across both projects over the past six months, delivering impressive results which have highlighted the significant potential of both projects to deliver significant new discoveries and host economic mineral deposits.

Kairos also holds a dominant 1,158.7km² lithium exploration footprint in the Pilbara region including the highly prospective Mt York and Wodgina east projects.

Kairos has been well recognised for its industry leading technical team that includes its Chairman Terry Topping (Taipan Resources NL, Cauldron Energy Ltd and Orinoco Gold Ltd), Technical Director Neil Hutchison (Poseidon Nickel, Jubilee Mines, Technical Manager Steve Vallance (WMC, ACM, Jubilee Mines, Xstrata, Kagara, LionOre), and consulting specialists Dr Robin Hill, Sarah Dowling, Dr Nigel Brand, Adrian Black and Bill Amman.

For further information, please contact:

Investors:

Mr Terry Topping
Executive Chairman
Kairos Minerals Limited

Media:

Nicholas Read/Paul Armstrong
Read Corporate
Ph: 08 9388 1474

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 Steve Vallance, who is the Technical Manager for Kairos Minerals Ltd and who is a Member of The Australian Institute of Geoscientists. The information was also reviewed by Mr Terry Topping, who is a Director of Kairos Minerals Ltd and who is also a Member of AusIMM. Both Mr Vallance and Mr Topping have 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 Vallance and Mr Topping have 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.