

## **Extensive lithium and pathfinder elements anomaly defined at Roe Hills Project – East Kalgoorlie**

**Coherent 2.7km long anomaly is located just 10km south of the Manna lithium prospect and represents a priority drill target**

### **Highlights**

- **A review of the soil sampling program conducted in 2020 has identified a coherent lithium and pathfinder elements anomaly at the 100%-owned Roe Hills Project in WA.**
- **The 2.7km x 0.4km northeast-trending lithium anomaly is similar in terms of its orientation, interpreted geology and geochemistry to the Manna Lithium Prospect, now 80%-owned by Global Lithium Resources (ASX: GL1), located ~10km north of the Roe Hills project area.**
- **The soil sampling program was initially designed to target gold and base metal mineralisation, based on geophysical interpretation.**
- **A detailed mapping and rock chip sampling program has been initiated, with air-core and potentially follow-up Reverse Circulation (RC) drilling planned as a priority.**

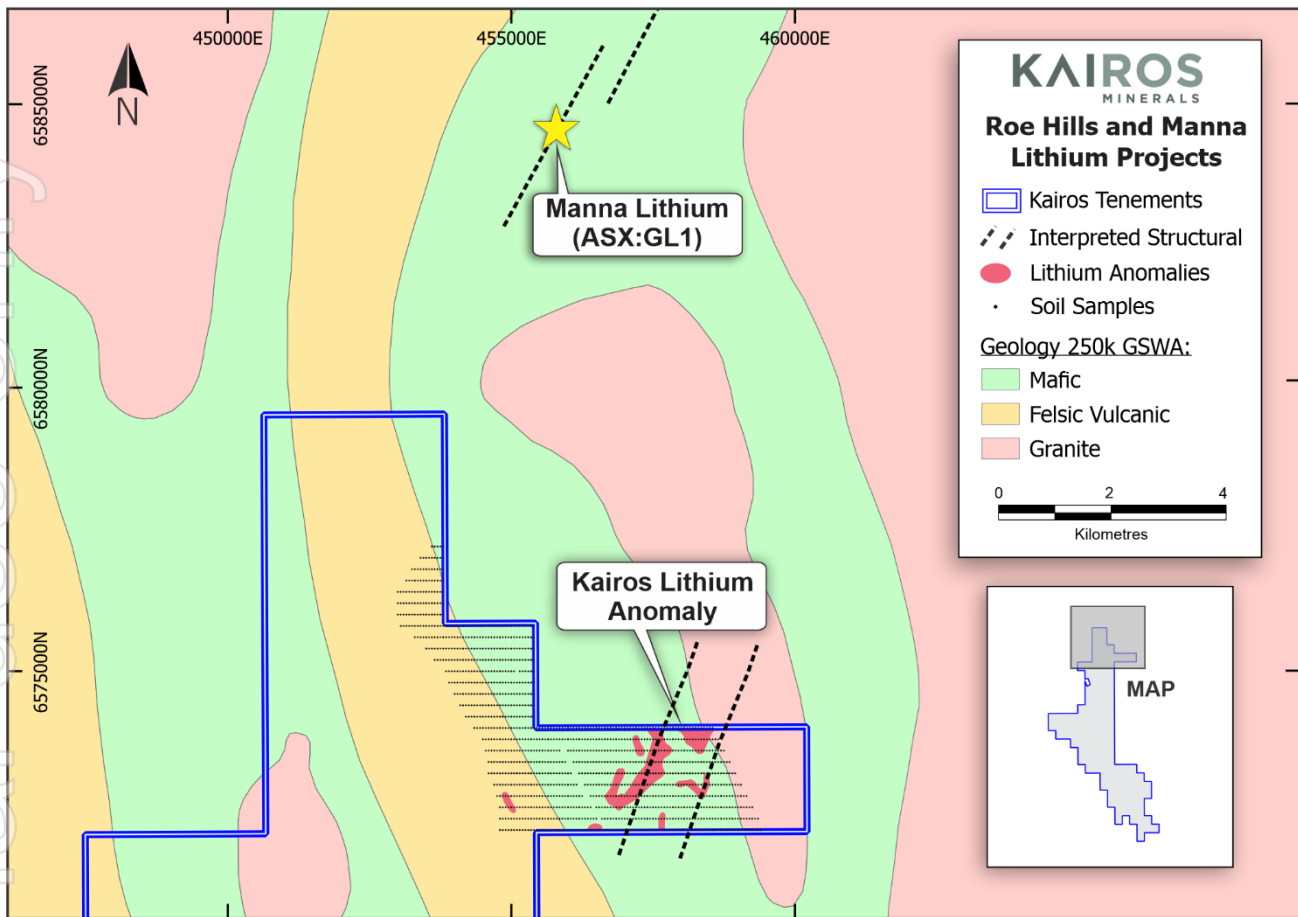
Kairos' Executive Chairman, Terry Topping, said: *"This is an exciting discovery, which was made following a detailed review of the extensive geochemical sampling program completed in 2020. The significance of this extending north-east trending anomaly has been further enhanced by the discovery of the Manna lithium prospect, located 10km to the north, by Breaker Resources (ASX: BRB).*

*"Breaker has recently transacted on this exciting emerging discovery in a deal with Global Lithium Resources (ASX: GL1), which has acquired an 80% interest in the tenements.*

*"Given the scale and potential significance of the anomalism, we recently conducted a site visit which has shown that the anomalous area is suitable for AC drilling and potential follow-up RC drilling. We have initiated an extensive field program with additional soil sampling and mapping underway and, with heritage clearances already in place, we will prioritise drilling as soon as we can secure a suitable drilling rig.*

*"In light of this significant development, the Kairos geology team recently completed a desktop study based on existing available data to identify other potential lithium targets at Roe Hills. This work has been successful in delineating at least eight areas of interest, which will also now be followed up by our field teams.*

*"This is an exciting new lithium exploration opportunity which complements the significant lithium targets we have defined recently within our Pilbara exploration portfolio."*



**Figure 1: Kairos lithium anomaly and Manna Lithium Project location, on GSWA 1:250k Geology.**

Kairos Minerals Ltd (ASX: KAI “Kairos” or “the Company”) is pleased to advise that it has identified a new coherent lithium and pathfinder elements anomalous corridor at its 100%-owned **Roe Hills Project**, located east of Kalgoorlie in WA. This high-priority lithium target is located approximately ~10km south of the Manna Lithium Project, owned by Global Lithium Resources and Breaker Resources (ASX: GL1 and ASX: BRB).

The 2.7km x 0.4km northeast-trending lithium and pathfinder elements anomaly is similar in terms of its orientation, interpreted geology and geochemistry to the Manna Lithium Project (Figure 1). There is no recorded past exploration for lithium within the Roe Hills Project area.

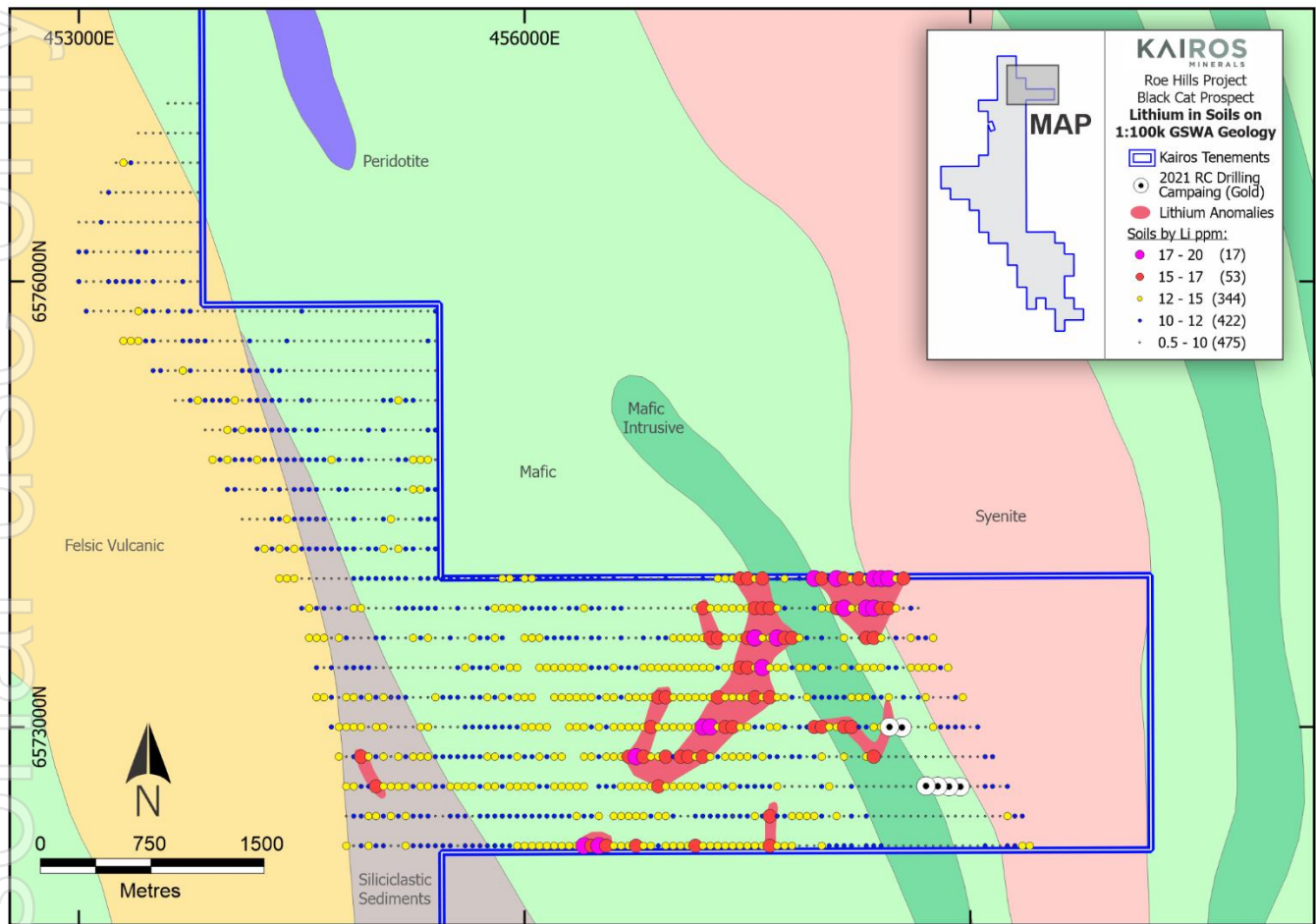
### Soil Geochemistry Program

In 2020, Kairos conducted a soil sampling program in the northern part of the Roe Hills Project to target regional structures that are associated with gold mineralisation in the region. The program consisted of 1,311 soil samples collected at 200m x 50m spacing. The samples were sent to Intertek Laboratory in Perth for gold and multi-element analysis.

The results generated a gold target and, in 2021, the Company drilled six RC drill holes for 901m to test it. Drill hole RHRC120 returned the best gold intercept of 4m @ 1.63g/t Au from 48m. In addition, the same drill hole returned a zinc sulphide zone of 20m @ 0.42% Zn from 96m, which could indicate the presence of VMS mineralisation in the region (KAI-ASX announcement 13 July 2021). There is no spatial relationship between the gold and zinc results and the lithium-in-soils anomaly (see Figure 2 for the location of the drill holes).

A recent review of the multi-element geochemistry has highlighted a coherent lithium and associated pathfinder elements anomalous corridor (see Figure 2).

The 2.7km x 0.4km anomalous area returned elevated values for lithium, rubidium, beryllium, tin, caesium and tungsten. The interpreted geology is favourable for LCT pegmatites and very similar to the interpreted geology of the Manna Lithium Project.



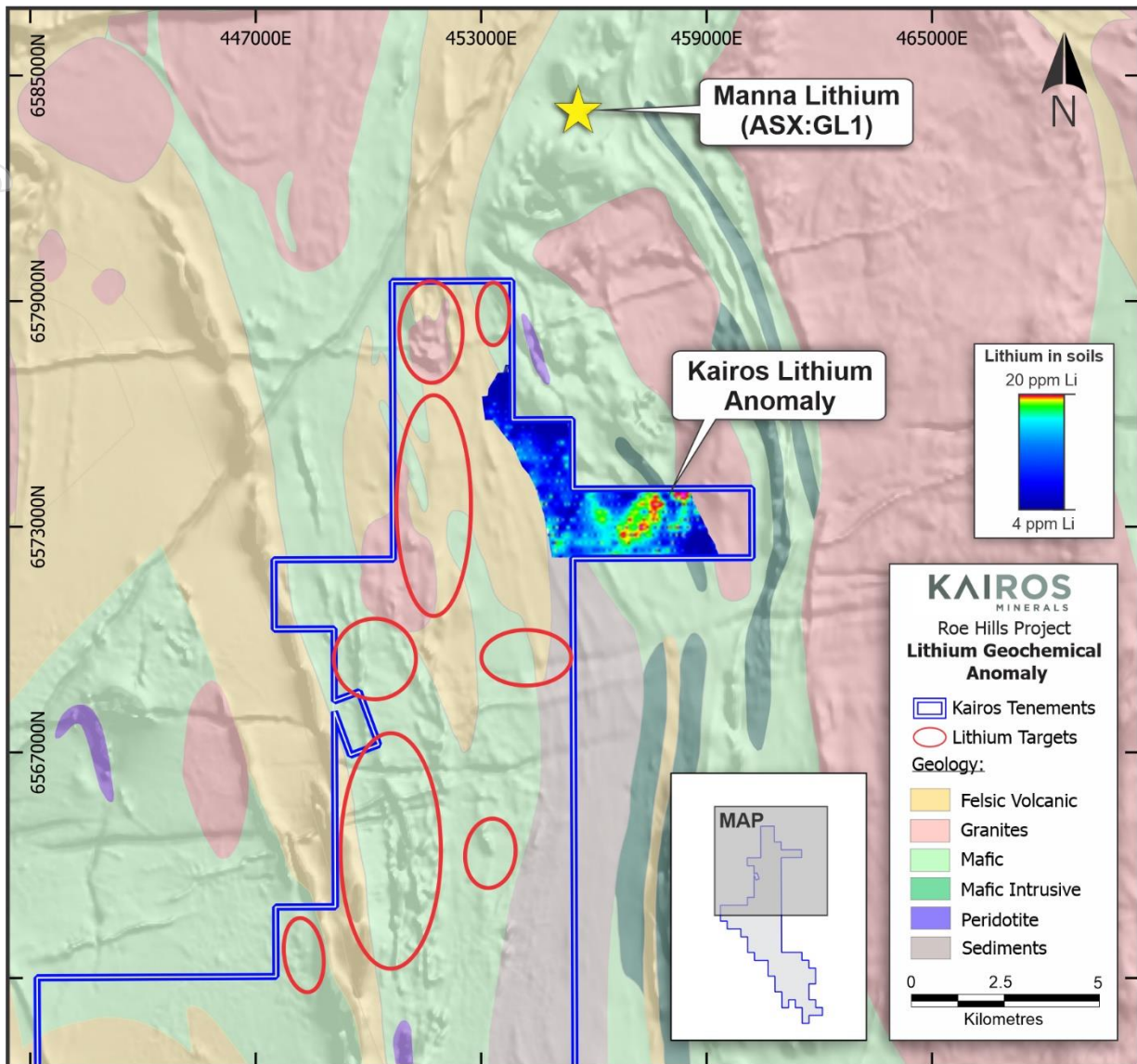
**Figure 2: Detailed image of the soil sampling program and the lithium results on 1:100k GSWA geology.**

### Additional Targets and Field Exploration

Kairos has recently completed a desktop study and generated additional lithium targets for the Roe Hills Project. The study was based on existing data, and was therefore limited by the absence of historic exploration for lithium within the project area.

A total of eight additional targets were generated based on the analysis of the GSWA geological maps combined with the airborne magnetic and radiometric survey results (Figure 3).

Kairos' geologists have commenced field mapping of these target areas. The first-pass mapping and rock chip sampling program will explore the presence of pegmatite outcrops near the lithium indicator geochemistry. In addition, several dykes and sills of granitic composition were mapped by GSWA within the Roe Hills Project area that warrants further investigation.



**Figure 3: Additional lithium targets at Roe Hills Project, on the GSWA 1:250k Geology overlaying AMAG.**

The Company's exploration team is investigating these targets, and subsequent exploration will be conducted pending the outcome of these fieldwork programs.

### **Next Steps**

- Field exploration at Roe Hills Project.
- Soil geochemistry sampling results from the Mt York, Kangan, Skywell and Croydon Projects.
- Additional heritage surveys at Kangan and Skywell Projects.
- Assay results from the Mt York RC drilling.
- Assay results from the Kangan AC in-fill drilling.



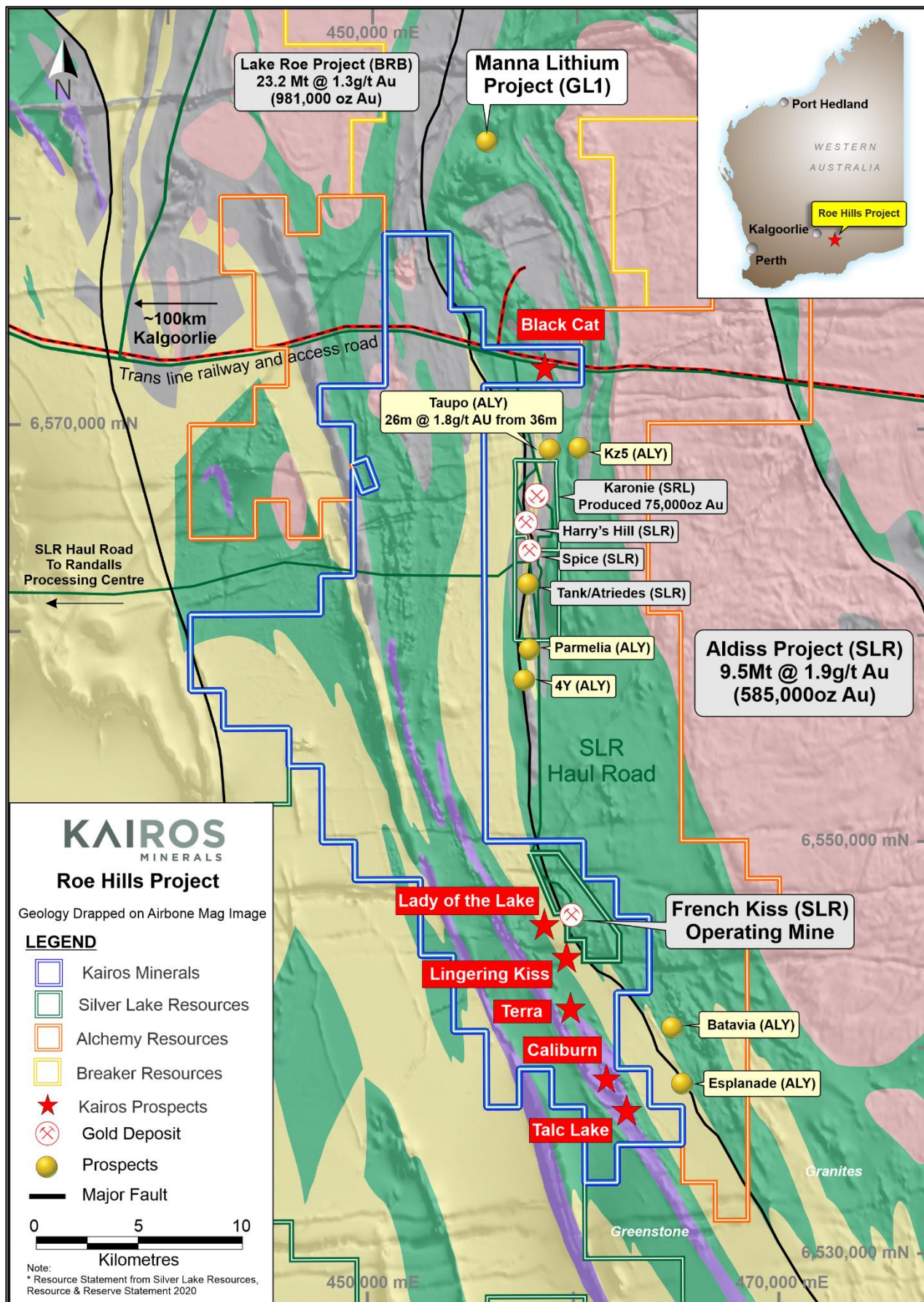


Figure 4: Roe Hills Project and prospect locations, WA.

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, which is 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 873,500oz (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 gold, lithium, 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 2,026 square kilometres of tenure (granted and applications) which is highly prospective for gold and lithium-caesium-tantalum pegmatite 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:**

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 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.*