

13 July 2021

## Wide shallow gold zones at Roe Hills highlight potential to delineate oxide resources in active mining region

Encouraging drilling results from Caliburn prospect highlight the opportunity to delineate shallow open pit resources close to Silver Lake Resources' operations

#### <u>Highlights</u>

- All assay results received from the composite samples from the recently completed 20hole/2,992m Reverse Circulation (RC) drilling program targeting high-priority gold and nickel prospects at the 100%-owned Roe Hills Project in WA.
- Significant wide zones of shallow mineralisation intersected at the <u>Caliburn prospect</u>, highlighting the opportunity to delineate oxide resources. Best intercepts include:
  - 8m @ 1.32g/t Au from 32m in RHRC105, including:
     4m @ 2.29g/t Au from 36m
  - 16m @ 1.27g/t Au from 80m in RHRC106, including:
     4m @ 3.17g/t Au from 84m
  - 16m @ 1.36g/t Au from 80m in RHRC109, including:
     4m @ 3.90g/t Au from 92m
- Follow-up drilling planned to in-fill these results and potentially define oxide resources, given the strategic location of this project close to Silver Lake Resources' gold operations and an existing haul road. 3D modelling of drilling at Caliburn, Terra, Lingering Kiss and Lady of the Lake underway to underpin a maiden gold Mineral Resource Estimate (MRE).
- Broad zone of sulphides with anomalous zinc intersected at the Black Cat prospect. Combined with a soil anomaly located 900m from the drilling area, this supports the potential for a VMS base metal system. Best intercepts at Black Cat included:
  - > 4m @ 1.63g/t Au from 48m in RHRC120
  - > 20m @ 0.42% Zn from 96m in RHRC120
- At the Talc Lake nickel prospect, drilling intersected narrow zones of nickel and copper sulphides with associated cobalt, with best intercepts including:
  - 5m @ 0.55% Ni and 0.15% Cu from 96m in RHRC115
     ➢ including 1m @ 1.33% Ni and 0.45% Cu from 99m
  - 8m @ 0.14% Co from 24m in RHRC118
     > Including 4m @ 0.22% Co from 24m
- Airborne magnetic and radiometric survey commenced at the Woodcutters Project, approximately 30km east of Roe Hills.

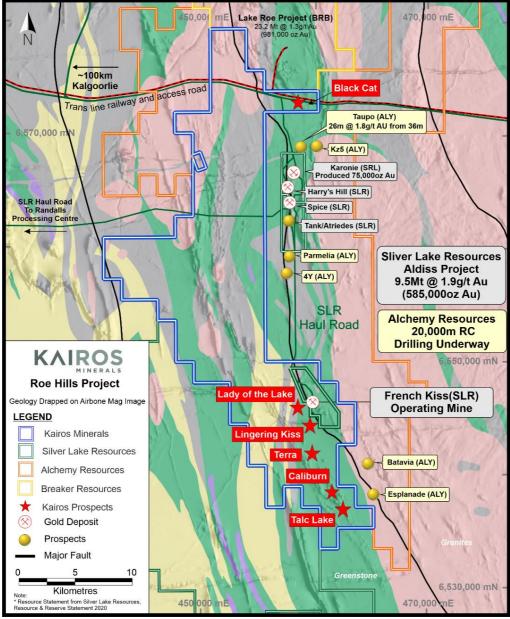


Figure 1: Roe Hills Project prospect locations.

Kairos' Executive Chairman, Terry Topping, said: "We recently completed ~3,000m of RC drilling at Roe Hills and we're pleased to report encouraging initial results from composite samples. The key area of focus is the Caliburn prospect, where we intersected wide zones of shallow gold mineralisation. These results have clearly demonstrated the potential to delineate potentially open pittable gold mineralisation at Caliburn.

"Given the proximity of Caliburn just 5km south of Silver Lake Resources' French Kiss operations, adjacent to a haul road and in the heart of an active mining region, we can make a compelling strategic case to return to this area with further drilling in the near future.

"In the meantime, three-dimensional modelling work has commenced on existing drill data from the Caliburn, Lingering Kiss, Terra and Lady of the Lake prospects to underpin a maiden gold Mineral Resource Estimate. This will give us a good idea of the commercial potential of this project.



"In other areas, the broad sulphide zones intersected at Black Cat have returned interesting gold and zinc results, highlighting a potential VMS signature which requires further evaluation – particularly in light of a nearby soil anomaly. At Talc Lake, we intersected some narrow zones of nickel and copper sulphides with associated cobalt. We will evaluate next steps here after we receive the final 1m assay results."

"In the meantime, our drilling program at the 873koz Mt York Gold Project in the Pilbara is making great progress with over 10,000m already completed. We look forward to providing updates on our work here and at the Kangan Project in the near future."

Kairos Minerals Ltd (ASX: KAI; "Kairos" or "the Company") is pleased to advise that all assay results from the composite samples have now been received from its recently completed Reverse Circulation (RC) drilling program at the 100%-owned **Roe Hills Project**, located east of Kalgoorlie in WA.

The drill program comprised 20 holes for a total of 2,992m testing high-priority gold and nickel targets at the Caliburn, Talc Lake and Black Cat prospects.

#### **Caliburn Prospect**

The Caliburn Prospect is located towards the southern end of the Roe Hills Project tenure, just north of Talc Lake and about 5km south-southeast of Silver Lake's French Kiss gold deposit (Figure 1).

Kairos completed 10 holes for 1,149m at the Caliburn prospect. Drilling was carried out along four sections spaced 40m apart with drill holes on three of the sections returning mineralised intercepts (Figure 2).

Significant assay results include:

#### RHRC105

- 8m @ 1.32g/t Au from 32m, including:
   4m @ 2.29g/t Au from 36m, and
- 8m @ 1.29g/t Au from 56m, including:
   5m @ 1.85g/t Au from 58m

#### RHRC106

- 15m @ 0.81g/t Au from 44m, including:
   4m @ 2.07g/t Au from 52m, and
- **16m @ 1.27g/t Au** from 80m, including:
  - > 4m @ 3.17g/t Au from 84m

#### RHRC109

- **16m @ 1.36g/t Au** from 80m, including:
  - > 4m @ 3.90g/t Au from 92m

Results from this drilling program indicate a possible offset of the mineralisation strike with the high-grade shoots remaining open at depth and to the south-west. A plan view of the previous and current drill holes, including the gold intercepts represented by coloured discs is provided in Figure 2.

A cross-section with the best assay results of this drilling program is shown in Figure 3.

Table 1 shows all the drilling results for Caliburn and Black Cat prospects.



6588100 mV RHRC111 RHRC110 RHRC105 RHRC106 RHRC107 RHRC108	Contraction           Legend :           •           Hole ID           Gold Assay Discs (g/t)           • </th
Section 6538000N RHRC114 RHRC113	1 to 2 > 2
461300 mE 461500 mE	0 50 100 Metres 461700 mE

Figure 2: Plan view of the drill holes with gold intercepts at Caliburn prospect .

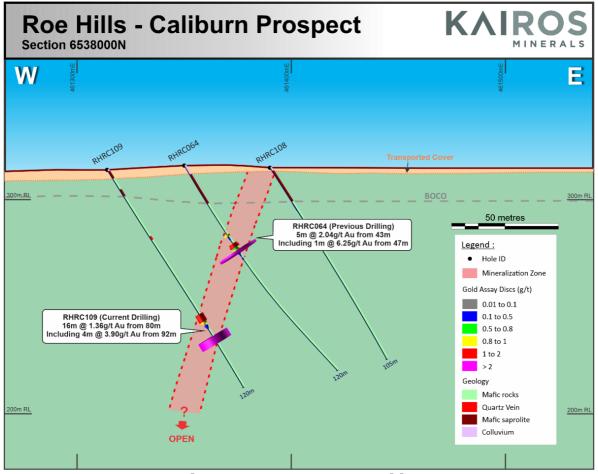


Figure 3: Schematic cross-section at Caliburn prospect.

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#### **Black Cat Prospect**

The Black Cat prospect lies at the northern end of Kairos' 100%-owned Roe Hills Gold Project. The prospect is located in a structurally and geologically complex area, adjacent to the regionally significant Keith-Kilkenny Shear zone, host to Breaker Resources Ltd (ASX: BRB) Bombora Gold Project (23.21Mt at 1.3 g/t Au for 981koz) and Silver Lake Resources (ASX: SLR) Aldiss Project (8.715Mt at 2.1 g/t Au for 579koz).

During the 2020 field season, Kairos completed a soil geochemistry sampling program, and a strong and consistent gold anomaly was delineated over a strike length of 1,800m within Kairos' tenure.

The Company completed six holes for 901m to test the gold-in-soil anomaly at the Black Cat Prospect. Hole RHRC120 returned the best gold intercept of 4m @ 1.63g/t Au from 48m (4m composite sample). The same drill hole returned a significant zinc anomaly, 20m @ 0.42% Zn from 96m from 4-metre composite samples. See table 1 for a complete list of results.

Kairos re-assessed the previous soil geochemistry results and delineated another soil anomaly 900m northwest of the drilling area with elevated copper, zinc, tungsten, molybdenum, thallium and bismuth. The Company is planning to conduct ground geophysics to study the potential for a VMS base metal system.

A plan view of the drill holes and the contours for the soil anomalies is shown in Figure 5. A cross-section of hole RHRC120 is provided in Figure 6.

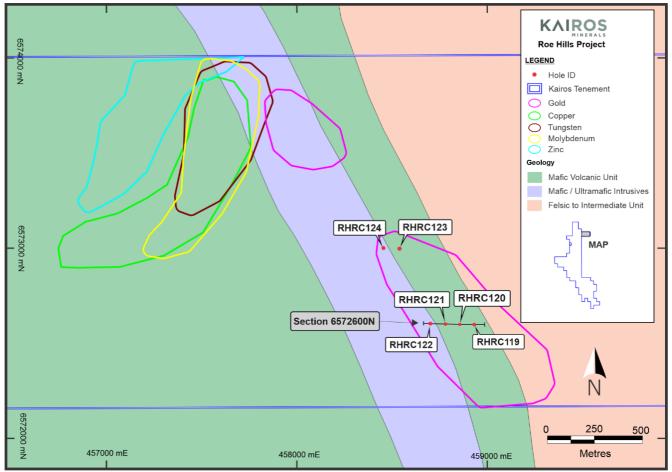


Figure 4: Plan view of the drilled holes and soil geochemical anomalies at Black Cat prospect.

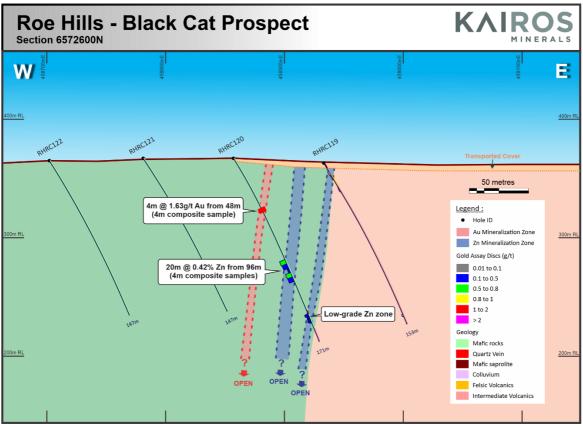


Figure 5: Schematic cross-section at Black Cat prospect.

#### Table 1: List of drilled holes and significant intercepts for Caliburn and Black Cat prospects.

Prospect	Hole ID	Туре	GDA_East	GDA_North	mRL	Dip	Az	Depth	From	Length	Au (a/h)	From	Length	Zn (%)
Calib	DUDC105		464224	6520044	24.4	60	~ ^ ^	(m)	(m)	(m) 8*	(g/t)	(m)	(m)	
Caliburn	RHRC105	RC	461334	6538041	314	-60	94	123	32	•	1.32			
							I	ncluding	36	4*	2.29			
								and	56	8	1.29			
								ncluding	58	5	1.85			
Caliburn	RHRC106	RC	461395	6538035	314	-60	282	123	44	15*	0.81			
							i	ncluding	52	4*	2.07			
								and	80	16*	1.27			
								ncluding	84	4*	3.17			
Caliburn	RHRC107	RC	461393	6538031	315	-60	90	105	16	4*	0.47			
Caliburn	RHRC108	RC	461390	6538000	315	-60	95	105			NSA			
Caliburn	RHRC109	RC	461314	6538005	314	-60	89	120	80	16*	1.36			
			includi	ng					92	4*	3.90			
Caliburn	RHRC110	RC	461356	6538081	314	-60	94	105	44	4*	0.87			
Caliburn	RHRC111	RC	461315	6538084	315	-60	87	165	108	4*	0.57			
Caliburn	RHRC112	RC	461391	6538077	315	-60	93	105			NSA			
Caliburn	RHRC113	RC	461429	6537958	314	-60	93	99			NSA			
Caliburn	RHRC114	RC	461406	6537958	312	-60	93	99			NSA			
Black Cat	RHRC119	RC	458933	6572598	363	-60	90	153			NSA			
Black Cat	RHRC120	RC	458857	6572599	367	-60	90	171	48	4*	1.63	96	20*	0.42%
Black Cat	RHRC121	RC	458781	6572601	367	-60	90	147			NSA			
Black Cat	RHRC122	RC	458702	6572603	365	-60	90	147			NSA			
Black Cat	RNRC123	RC	458540	6572997	372	-60	90	135			NSA			
Black Cat	RHRC124	RC	458456	6573000	370	-60	90	147			NSA			

Note: Significant intercepts reported with 0.3g/t cut-off for Au and 0.4% cut off for Zn (maximum 4m internal dilution). \*composite samples; NSA: No significant assays.

#### **Talc Lake Prospect**

The Talc Lake Prospect is located toward the southern end of the Project tenure, adjacent to the west of the Keith-Kilkenny Lineament – Aldiss Fault Corridor, within an area of considerable structural complexity. A major NE-SW trending sinistral fault offsets the regional stratigraphy, while numerous subordinate N – NNW trending fault splays disrupt the prospective basement sequences at the local scale.

Kairos completed four holes for 942m at the Talc Lake Prospect. Hole RHRC115 returned the best nickel and copper sulphide intercept of 5m @ 0.55% Ni and 0.15% Cu from 96m including 1m @ 1.33% Ni and 0.45% Cu from 99m.

Results from this hole confirmed the extension of nickel mineralisation targeted at the up-plunge position of historical nickel intercepts, extending now over 80m and remaining open down-deep and toward the surface.

Multiple thin stacked komatiite flows were logged in hole RHRC115, including at the bottom of the hole. A down-hole electromagnetic survey was conducted with minor local anomalism detected in mid-channel centred at 95 to 105m downhole. No apparent off-hole anomalism was detected for modelling, leaving the down-deep zone as a further drill target to test the basal unit of the komatiite flows. The Company is assessing further drilling options to test the target, including diamond drilling.

Prospect	Hole ID	Туре	GDA_East	GDA_North	mRL	Dip	Az	Depth (m)	From (m)	Length (m)	Ni (%)	Cu (%)	Co (%)
Talc Lake	RHRC115	RC	461708	6537582	303	-60	90	261	96	5	0.55	0.15	NSA
							i	ncluding	99	1	1.33	0.45	
Talc Lake	RHRC116	RC	462531	6538366	287	-60	52	195			NSA	NSA	NSA
Talc Lake	RHRC117	RC	462449	6538300	287	-60	52	238			NSA	NSA	NSA
Talc Lake	RHRC118	RC	462393	6538242	293	-60	52	249	24	8*	0.32	NSA	0.14
	including							24	4*	0.41		0.22	

Table 2: List of drilled holes and significant intercepts for Talc Lake Prospect.

Note: Significant intercepts reported with 0.3% cut-off for Ni, 0.08% cut-off for Cu and 0.06% cut off for Co (maximum 1m internal dilution).

\*composite samples; NSA: No significant assays.

The current drilling program was not able to test the interpreted eastern ultramafic unit due to depth constraints. However, a shallow zone enriched in cobalt and nickel was intersected in hole RHRC118.

Kairos is planning to collect the single-meter samples from the gold, zinc, nickel and cobalt intercepts in the three prospects drilled during the current program. As part of the target generation program, a field trip will be carried out once the Company receives the results from the current soil sampling program.

#### **Maiden Gold Resource Estimation**

The Company has commenced the 3D mineralisation modelling at the previously drilled Terra, Lingering Kiss, Lady of the Lake prospects, and will include the results from Caliburn prospect in the model once the assay results from the single-metre samples are returned. Kairos is aiming to calculate a maiden gold Mineral Resource with the data from the four prospects.

#### **Ultrafine+ Soils Geochemistry Program**

A total of 2,221 soil samples were collected and submitted to Labwest in Perth for Ultrafine+ analysis. Results are expected during the current quarter. The geochemical sampling program has covered the areas around



Caliburn, Lingering Kiss, Lady of the Lake prospects, including parts of the prospective corridor between Terra and Caliburn prospects. The program will assist the Company with further targets generation.

#### Airborne Geophysics - Woodcutters Project

Kairos's contractor, Magspec Airborne Surveys, has commenced a magnetic and radiometric survey at the Woodcutters Project, located approximately 30km east of the Roe Hills Project (see Figure 6 for project location).

Past exploration conducted by Kairos at this project involved a small soil geochemical sampling program of 86 samples. The airborne survey is planned with 653 lines to be flown for 9,028km to cover the whole project area.



Figure 6. Kairos Project Locations.

#### Next Steps

- Interpretation of the results from the Roe Hills RC drilling and further planning.
- 3D mineralisation modelling for Roe Hills gold Mineral Resource calculation.
- Mt York RC drilling.
- Mining studies for the Mt York Project.
- Results from the geochemistry sampling program at the Roe Hills and Mt York projects.
- Ongoing soil sampling program at the Wodgina Project.
- Ongoing air-core drilling at the Kangan Project.
- Geochemistry sampling program and mapping at the Skywell Project.
- Heritage survey and air-core drilling at the Skywell Project.

#### 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 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.

With the authority of the Board.

#### For further information, please contact:

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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.



### Appendix 1 – Kairos Minerals – Roe Hills Project JORC Code, 2012 Edition – Table 1

### Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul> <li>Nature and quality of sampling (e.g., cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g., 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g., submarine nodules) may warrant disclosure of detailed information.</li> </ul>	<ul> <li>Samples from the RC drilling were split on a 1 metre sample interval at the rig cyclone.</li> <li>Samples from this initial drilling program were collected on two and four meters composites, with individual single meters samples sampled from intervals where the rig geologist observed mineralisation.</li> <li>Additional individual single meters samples will be sampled where significant results returned from the two and four meters composites.</li> <li>All samples were delivered by Kairos personnel to Intertek Minerals Laboratory in Kalgoorlie WA for final analysis in Perth, WA.</li> <li>All samples will be submitted for Four Acid Multi-Element Analysis (4A/OE33), Fire Assay for Gold (FA/ICP-OES).</li> </ul>
Drilling techniques	• Drill type (e.g., core, reverse circulation, open- hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g., core diameter, triple or standard tube, depth of diamond tails, face- sampling bit, or other type, whether core is oriented and if so, by what method, etc).	<ul> <li>RC drilling was carried out by Ausdrill Pty Ltd using an ED1514 rig and a booster compressor. 4-1/2" diameter drill rods and 5-5/8" diameter face sampling hammer.</li> <li>All the holes were surveyed by the Drilling Supervisor/Senior Driller at regular intervals downhole, approximately 30 meters, using a Gyroscope survey instrument.</li> </ul>
Drill sample recovery	<ul> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</li> </ul>	<ul> <li>RC samples were logged in detail at the drill site by supervising geologists and recorded in the Company's database.</li> <li>Overall recoveries were excellent and there were no significant sample recovery problems.</li> <li>Sample depths are continually checked against the rod string depth during the drilling process by the Senior Driller.</li> </ul>
Logging	<ul> <li>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>	<ul> <li>Detailed geological logging of the entirety of each hole by Kairos geologists is carried out on the RC chips and recorded as a qualitative description of colour, lithological type, grain size, structures, minerals, alteration, and various other features.</li> <li>Representative material was sieved and collected as 1 m individual samples in number-coded plastic chip trays and stored at the Company's site storage facility in Perth.</li> <li>Photography of chips is not routinely done.</li> <li>Detailed petrological studies are planned for selected samples to assist in ongoing evaluation.</li> </ul>
Sub-sampling techniques and sample preparation	<ul> <li>If core, whether cut or sawn and whether quarter, half or all cores taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality, and appropriateness of the sample preparation</li> </ul>	• Most RC samples were dry. Minor water ingress occurred during rod/bit changes however samples were generally dry once active drilling recommenced.

Criteria	JORC Code explanation	Commentary
	<ul> <li>technique.</li> <li>Quality control procedures adopted for all subsampling stages to maximise representivity of samples.</li> <li>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul> <li>Samples were collected as 1 m intervals via on-board cone splitters then laid out on the ground in the case of RC work collected in large, numbered calico bags.</li> <li>Sample quality was ensured by monitoring sample volume and by regularly cleaning the rig cyclone &amp; sample splitters.</li> <li>Sampling sheets were prepared and checked by Kairos' site geologists and field technicians to ensure correct sample representation.</li> <li>QAQC samples were included at the rates 1:50 as certified reference material (standard). Duplicate samples were collected, and blanks were also included.</li> <li>The duplicate samples are analysed, and the results compared with the original sample to provide an assessment of the sampling representativity.</li> </ul>
Quality of assay data and laboratory tests	<ul> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</li> <li>Nature of quality control procedures adopted (e.g., standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e., lack of bias) and precision have been established.</li> </ul>	<ul> <li>Kairos RC drilling samples were submitted to Intertek Genalysis in Perth for Four Acid Multi- Element Analysis ICP-OES (4A/OE33). Gold analysis will be carried out via the FA 25/OE or MS technique being Fire Assay with 25g lead collection fire assay in new pots, analysed by Inductively Coupled Plasma Mass Spectrometry.</li> <li>Fire Assay is industry standard for gold and considered appropriate.</li> <li>Certified Reference Material (CRM or standards) were inserted every 50th sample to assess the assaying accuracy of the external laboratories.</li> <li>No laboratory audits were undertaken.</li> </ul>
Verification of sampling and assaying	<ul> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>	<ul> <li>Primary data was collected using Excel templates utilising lookup codes on laptop computers by Senior Supervising Geologists.</li> <li>No twin holes were drilled.</li> <li>All data is received and stored securely in digital format in the Company's database.</li> <li>Final data is rigorously interpreted by Kairos' geoscientific personnel.</li> <li>All RC holes were surveyed down hole with north seeking gyroscopic survey instruments by the Supervising/Senior driller</li> </ul>
Location of data points	<ul> <li>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>	<ul> <li>Kairos collars surveyed by handheld GPS with an accuracy of +/- 5m.</li> <li>All holes are in MGA94 Zone 51 (GDA94).</li> </ul>
Data spacing and distribution	<ul> <li>Data spacing for reporting of Exploration Results.</li> <li>Whether the data spacing, and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</li> <li>Whether sample compositing has been applied.</li> </ul>	<ul> <li>Minimal sample spacing for assay samples is 1m and maximum composite sample spacing is 4m.</li> <li>Hole spacing of Kairos' drilling varies between 40m-100m along section lines spaced between 40m and 200m apart.</li> </ul>
Orientation of data in relation to geological structure	<ul> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</li> </ul>	<ul> <li>Most RC holes were drilled at -60 deg to provide true width intersections of the targeted horizon.</li> <li>Holes are designed to intersect the geological contacts/targets as close to perpendicular as possible in order to provide approximate true width intercepts.</li> </ul>
Sample security	• The measures taken to ensure sample security.	<ul> <li>The sample chain of custody is managed by Kairos.</li> <li>All samples were collected in the field at the project site in number coded calico bags/secure labelled poly</li> </ul>

Criteria	JORC Code explanation	Commentary
		<ul> <li>weave sacks by Kairos' geological and field personnel.</li> <li>All samples were delivered directly to Intertek company in Kalgoorlie by Kairos personnel prior to being transported to Intertek Laboratory in Perth WA for final analysis.</li> </ul>
Audits or reviews	<ul> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>	• No audits have been completed.

### Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral • tenement and land tenure status	Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	<ul> <li>Kairos Minerals owns 100% of the Tenements that define the Roe Hills Project.</li> <li>The project consists of 09 EL's, E28/2585, E28/2548, E28/1935, E28/2118, E28/2584, E28/2593, E28/2117, E28/2695, E28/2696, and E28/2697.</li> <li>Kairos is not aware of any existing impediments nor of any potential impediments which may impact ongoing exploration and development activities at the project site.</li> </ul>
Exploration done by • other parties	Acknowledgment and appraisal of exploration by other parties.	• Significant historical gold exploration including surface geochemical sampling, airborne and ground electromagnetic surveys, RAB, AC, RC, and DD drilling. This is acknowledged in previous ASX announcements.
Geology •	Deposit type, geological setting, and style of mineralisation.	<ul> <li>The Roe Hills Project lies within the Kurnalpi Terrane of the Eastern Goldfields, Eastern Yilgarn Craton (EYC). In gold, nickel, and cobalt prospective areas.</li> <li>Gold mineralisation is associated to the Aldiss Fault system.</li> <li>Massive nickel sulphide mineralisation is related with Kambalda-style – Komatiite/Ultramafic host rocks.</li> </ul>
Drill hole Information •	<ul> <li>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:</li> <li>easting and northing of the drill hole collar.</li> <li>elevation or RL (Reduced Level - elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and interception depth</li> <li>hole length.</li> <li>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</li> </ul>	• The coordinates and other attributes of all drill holes relevant to the work being described are included in table 1 (Caliburn and Black Cat prospects) and table 2 (Talc Lake prospect) within the body of the release.

Criteria	JORC Code explanation	Commentary
Data aggregation methods	<ul> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g., cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<ul> <li>The results from Caliburn and Black Cat prospects were reported with 0.3g/t cut-off for Au and 0.4% cut off for Zn. With a maximum internal dilution of 4m.</li> <li>The results from Talc Lake prospect were reported with 0.3% cut-off for Ni, 0.08% cut-off for Cu and 0.06% cut off for Co. With a maximum internal dilution of 1m.</li> </ul>
Relationship between mineralisation widths and intercept lengths	<ul> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g., 'down hole length, true width not known').</li> </ul>	<ul> <li>All intercepts reported are measured in down hole metres.</li> <li>All holes are oriented to provide intersections which are orthogonal to the respective targeted horizon.</li> </ul>
Diagrams	• Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	• Relevant diagrams have been reported in this document.
Balanced reporting	• Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced avoiding misleading reporting of Exploration Results.	<ul> <li>All relevant results have been reported.</li> <li>In table 1 significant results of Caliburn and Black Cat prospects.</li> <li>In table 2 significant intercepts of Talc Lake prospect.</li> </ul>
Other substantive	• Other exploration data, if meaningful and material, should be reported including	• All relevant and meaningful data has been reported.

Criteria	JORC Code explanation	Commentary
Exploration data	<ul> <li>(but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</li> </ul>	<ul> <li>Qualitative analysis relies on in situ geological observations and correlation with regional previous results.</li> </ul>
Further work	<ul> <li>The nature and scale of planned further work (e.g., tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>	<ul> <li>Interpretation of the results from the Roe Hills RC drilling.</li> <li>Further drilling and soil geochemistry program planning.</li> <li>3D mineralisation modelling for Roe Hills gold resources calculation.</li> </ul>

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Appendix 2 – Drinnole Locations										
Hole_ID	Prospect	East	North	Grid	Dip	Azi	EOH (m)			
RHRC105	Caliburn	461334	6538041	MGA94_51	-60	94	123			
RHRC106	Caliburn	461395	6538035	MGA94_51	-60	282	123			
RHRC107	Caliburn	461393	6538031	MGA94_51	-60	90	105			
RHRC108	Caliburn	461390	6538000	MGA94_51	-60	95	105			
RHRC109	Caliburn	461314	6538005	MGA94_51	-60	89	120			
RHRC110	Caliburn	461356	6538081	MGA94_51	-60	94	105			
RHRC111	Caliburn	461315	6538084	MGA94_51	-60	87	165			
RHRC112	Caliburn	461391	6538077	MGA94_51	-60	93	105			
RHRC113	Caliburn	461429	6537958	MGA94_51	-60	93	99			
RHRC114	Caliburn	461406	6537958	MGA94_51	-60	93	99			
RHRC115	Talc Lake	461708	6537582	MGA94_51	-60	90	261			
RHRC116	Talc Lake	462531	6538366	MGA94_51	-60	52	195			
RHRC117	Talc Lake	462449	6538300	MGA94_51	-60	52	238			
RHRC118	Talc Lake	462393	6538242	MGA94_51	-60	52	249			
RHRC119	Black Cat	458933	6572598	MGA94_51	-60	90	153			
RHRC120	Black Cat	458857	6572599	MGA94_51	-60	90	171			
RHRC121	Black Cat	458781	6572601	MGA94_51	-60	90	147			
RHRC122	Black Cat	458702	6572603	MGA94_51	-60	90	147			
RNRC123	Black Cat	458540	6572997	MGA94_51	-60	90	135			
RHRC124	Black Cat	458460	6573000	MGA94_51	-60	90	147			

### **Appendix 2 – Drillhole Locations**