

ASX ANNOUNCEMENT

7 October 2025

# Drilling continues to extend gold mineralisation below Main Hill at Mt York, WA

Encouraging results extend the 'Monster Zone' over 250m to the east and at depth; Mineralisation remains strong and open at depth along Mt York's 3km long trend, delivering increased resource scale potential and consistency to a large gold system

## Highlights

- Results received from a further 10 holes of shallow and deeper extensional drilling at Mt York Gold Project's Main Hill prospect. Best intercepts include:
  - 23m @ 2.18 g/t Au from 131m including 9m @ 4.44 g/t Au from 138m (25MYDD044)
  - 16m @ 1.53 g/t Au from 24m and 15m @ 3.20 g/t Au from 89m (25MYDD050)
  - 20m @ 1.32 g/t Au from 323m including 6m @ 3.04 g/t Au from 325m (25MYDD052)
- Results from 25MYDD052 extended the 'Monster Zone' deeper and 250m to the east
- 'Monster' zone remains open at depth and to the west, more drilling planned
- Drill results continue to confirm strong mineralisation at depth, raising the potential for deeper open pit and/or underground resources
- Validation of Kairos' new structural model predicting horizontal extensions of wide zones of gold mineralisation at Main Hill and elsewhere
- Kairos to increase in Stage 1 Mt York drilling from 20,000m to 30,000m with 68 holes for 18,055m now completed; More drilling results expected Oct-Nov
- Results expected to positively impact Mt York Mineral Resource Estimate (MRE) update.

**Kairos Minerals Ltd (ASX: KAI)** ("KAI" or the "Company") is pleased to announce results from a further 10 diamond holes at its 1.4Moz Mt York Gold Project in WA's Pilbara.

Latest results are from drilling at Mt York's Main Hill prospect, which remains a very large resource target for the Company. Results are contained in **Table 1** and are shown on the Leapfrog oblique-section (**Figure 1**), drill plan (**Figure 2**) and long-section (**Figure 3**).

**Kairos Managing Director Dr Peter Turner said:**

*"These results again reinforce why we remain excited about Mt York's Main Hill prospect – drilling has shown impressive, wide and higher-grade mineralisation from surface at the top of the hill to depths of 300m, with encouraging signs that the mineralisation continues well below the current levels of deepest drilling.*

*This raises the question again about how big the resource can grow to at Mt York as we look at depth extensions of higher-grade intercepts below current drilling and the additional 1,500m strike length of the Mt York mineralised stratigraphy on PLS' side of the fence that we are negotiating access to.*

*The Board supports increasing the Stage 1 drilling programme to 30,000m in 2025 based on results to date, which will enable the Company to expedite both extensional drilling for resource growth and infill current resources to upgrade confidence from Inferred to Indicated."*

## **Drill Results**

Results from 10 additional drill holes from Mt York's Main Hill prospect infill the resource model as well as extend mineralisation deeper in the model. Hole 25MYDD044 with a result of **23m @ 2.18 g/t Au from 131m** including **9m @ 4.44 g/t Au from 138m** infills the resource model and clearly shows a wide zone of higher-grade mineralisation (up to 28.9 g/t Au) in the banded iron formation (BIF) at relatively shallow depths at Main Hill.

Hole 25MYDD050 also fills an important gap in the resource model at shallow depths with very significant results of **16m @ 1.53 g/t Au from 24m** and **15m @ 3.20 g/t Au from 89m**. Both results will guide the new mineral resource estimate and importantly, provide higher-grade mineralisation close to surface at a higher confidence of resource category (i.e., increased resource category likely).

Holes 25MYDD048 and 25MYDD052 were drilled to extend mineralisation below Main Hill to vertical depths of approximately 300m, the deepest holes drilled to date under Main Hill. Both holes are 150m and 250m to the east of, and deeper from the 'Monster' hole 25MYDD031 respectively that returned a stellar result of **53m @ 1.45 g/t Au from 212m** including a higher-grade zone of **10m @ 2.95 g/t Au from 239m** (**Figure 1**).

The results of 25MYDD048 show multiple zones of lower grade mineralisation within the BIF between 313-362m downhole depths, with the best result of **10m @ 1.48 g/t Au from 352m**.

Hole 25MYDD052 hit consistent BIF-hosted gold with another significant result of **20m @ 1.32 g/t Au from 323m** including **6m @ 3.04 g/t Au from 325m**. This hole is 250m east of the 'Monster' hole and is one of the few, deeper holes under Main Hill.

### **Mineralisation is open at depth**

Deeper drilling to date at Mt York across all three prospects of Main Hill in the west, Breccia Hill and Gossan Hill in the east, has shown good widths of gold mineralisation with higher-grade components seen at Mt York to date. This suggests the gold system is very continuous with encouraging grades and widths at depths along the entire Main Trend (see **Figure 1**) meaning recoverable gold potential for both open pit and underground mining remains very high indeed.

With thick zones of moderate grade (1-2g/t Au) mineralisation and additional higher-grade (2-5 g/t Au) intercepts at the lowest parts of the system, it is possible that future pit optimisation work will require additional deeper drilling to define the base of the economic pit, especially with higher gold price inputs (compared to the November 2024 Scoping Study<sup>1</sup>).

This is demonstrated in intercepts from the 2025 (and earlier) drilling campaign to date across a 2,400m strike length at Main Trend **at the deepest levels** (from west to east) (shown on **Figure 1**) of:

- 25MYDD031: **53m @ 1.45 g/t Au from 212m** incl. **10m @ 2.95 g/t Au from 239m**
- 25MYDD052: **20m @ 1.32 g/t Au from 323m** incl. **6m @ 3.04 g/t Au from 325m**
- 25MYDD010: **5m @ 4.26 g/t Au from 299m**
- 25MYDD017: **48m @ 1.03 g/t Au from 227m** incl. **11m @ 3.38 g/t Au from 246m**
- 25MYDD016: **24m @ 1.17 g/t Au from 222m** incl. **7m @ 2.62 g/t Au from 222m**
- KMYD040: **10m @ 4.90 g/t Au from 257m** incl. **7m @ 6.02 g/t Au from 257m**.

These results demonstrate that the gold mineralisation is very much open at depth with potential for underground grades and widths on horizontal shoots that remain open.

Further drill holes have been completed around the 'Monster' zone and within moderately deep levels at Main Hill to test extensions of further high-grade mineralisation.

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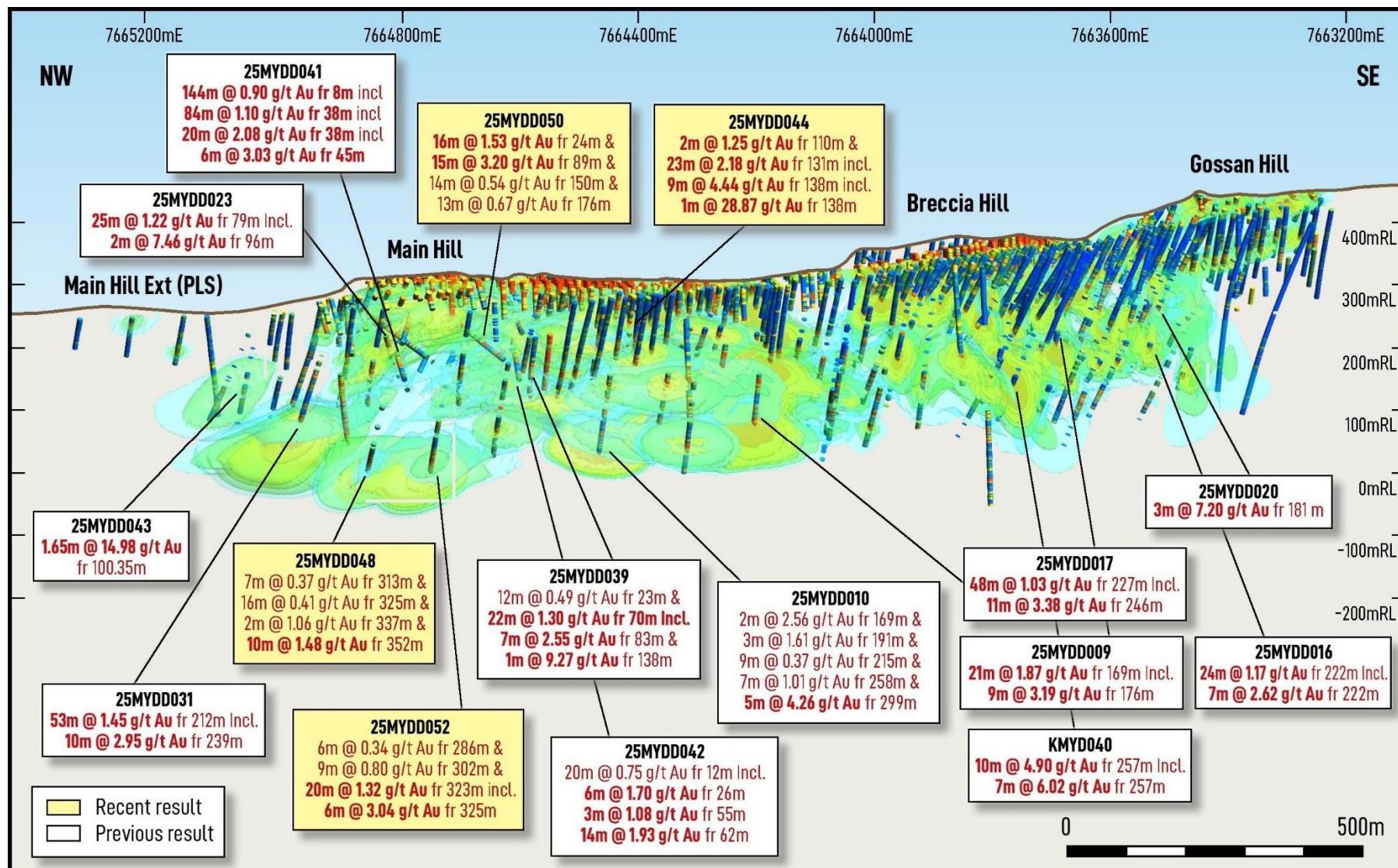
<sup>1</sup> See KAI ASX announcement dated 27 November 2024 and entitled 'Strong Scoping Study forecasts robust financial returns'

Based on results to date, Kairos plans to expand Stage 1 drilling to 30,000m, with 17,673m completed to date.

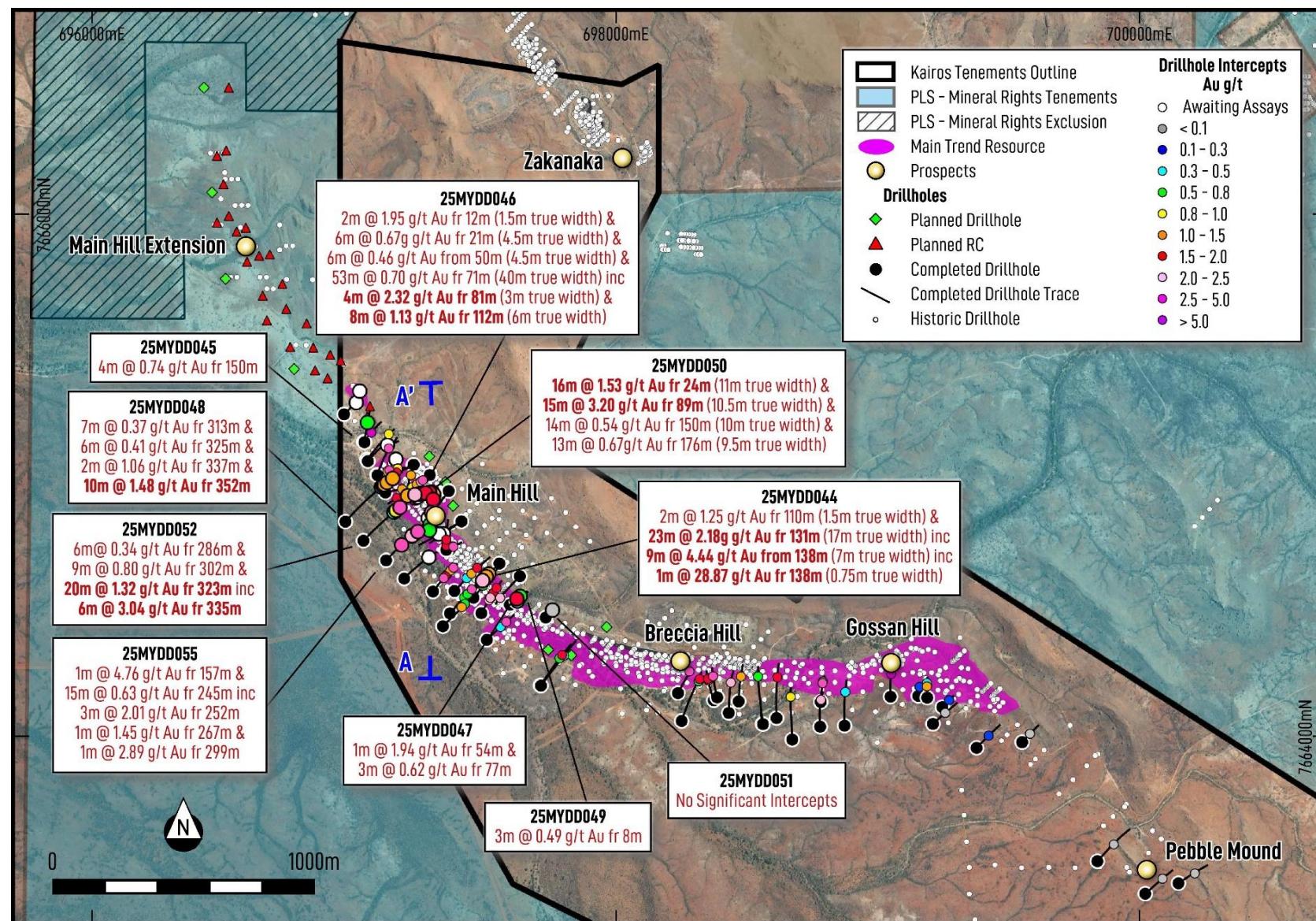
Further drill results from Mt York are expected throughout October and November and will be released to the ASX once routine quality-assurance, quality-control (QAQC) checks have been completed.

### **Next Steps**

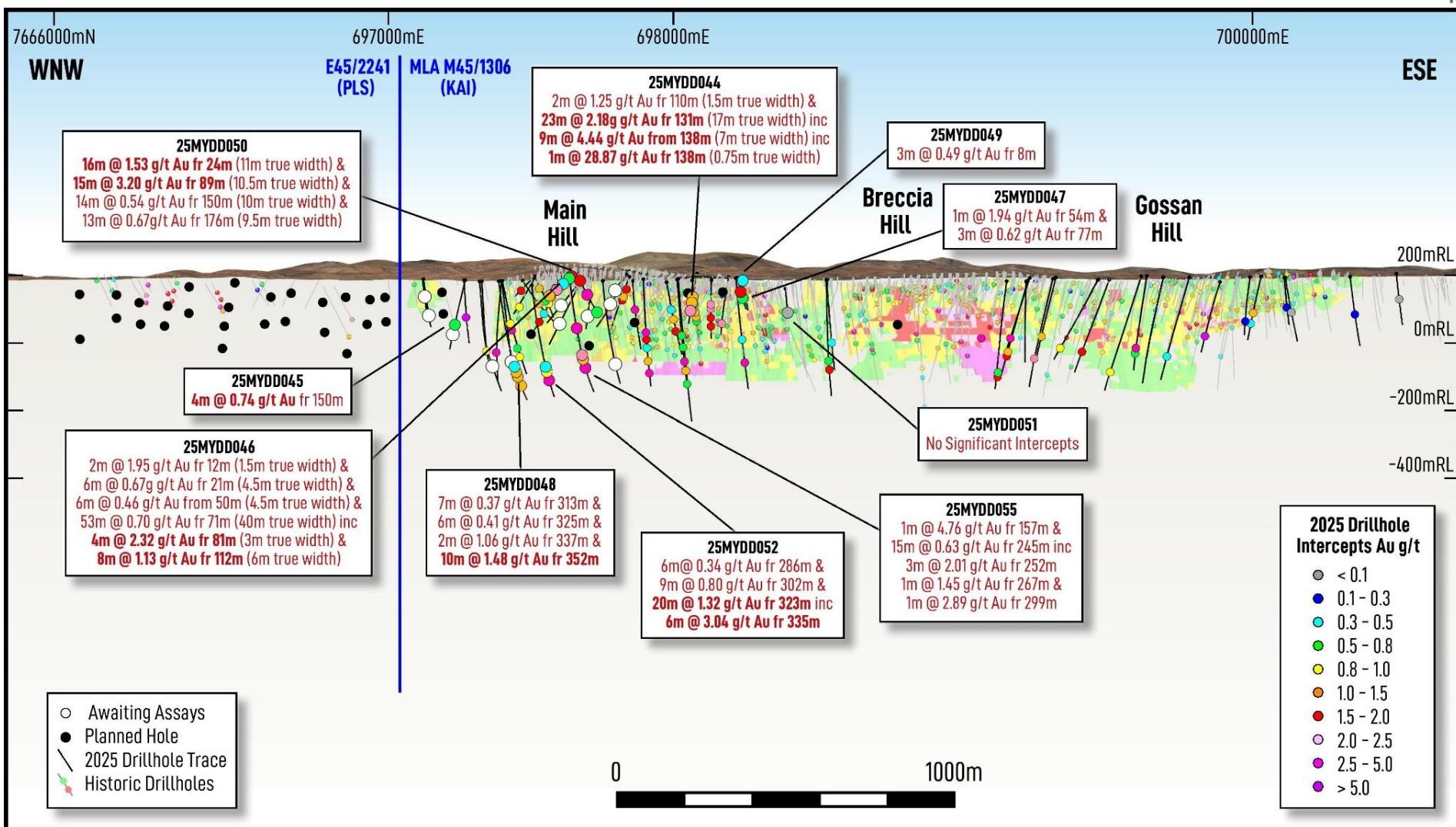
- Finalise Stage 1 drilling program on Main Trend, routine review of results
- Drilling activation on Main Hill Extension on PLS ground – Programme of Works (PoW) submitted for approval
- RC rig tender (x2) for Main Hill Extension programme
- Compile all geological and assay data in preparation for updated Mineral Resource Estimate
- Finalise the mineral rights agreement with PLS, to gain access to the Main Hill Extension Prospect and other 367km<sup>2</sup> of PLS licences and applications
- Progress Mining Agreement with Nyamal Aboriginal Corporation towards a signing
- Begin advanced metallurgical test work with Minescope Metallurgical Consultants from fresh, transitional and oxide zones.



**Figure 1.** Leapfrog 'grade shell' model of the Main Trend showing significant current results (in yellow boxes) and historic holes (white boxes). The model looks northeast. The outer grade shell is  $>0.1$  g/t Au. Looking northeast. Historic results are from drill results from ASX announcements dated 17 July, 6 August & 4 September 2025



**Figure 2.** Diamond drilling results at Main Trend. Tenement M45/1306 covers the Main Trend Resource. All results are from the current release.



**Figure 3.** Long-section of the Mt York Gold Deposit (looking 030 NNE) and extension on PLS licence E45/2241 (far left of figure). The intercepts shown are desurveyed, downhole intercepts on the projected drill string. Background image is the resource model filtered for indicated and inferred mineralisation that is >0.5 g/t Au. Note that the Main Hill Extension mineralisation on the PLS licence (far left of figure) is not included in the Kairos resource model. Drilling on PLS licence E45/2241 is subject to finalising a mineral rights agreement with PLS and then fulfilling relevant terms and conditions thereunder. Current drilling intercepts shown as large, coloured circles.

**Table 1.** Drill hole coordinates, details and results.

HoleID	Prospect	Easting	Northing	RL	Azi	Dip	Hole Depth	Hole	From	To	Interval	True Width	Grade
		MGA94	MGA94	(m)	Degrees	Degrees	(m)	Type	(m)	(m)	(m)	(m)	g/t Au
25MYDD044	Breccia Hill	697555	7664662	201	225	-50	192.65	DD	89	90	1	0.75	1.34
and									110	112	2	1.5	1.25
and									131	154	23	17	2.18
including									138	147	9	7	4.44
including									138	139	1	0.75	28.87
25MYDD045	Main Hill	697039	7665125	182	10	-60	237.8	DD	150	154	4		0.74
25MYDD046	Main Hill	697299	7664935	201	260	-35	168.3	DD	0	1	1	0.75	1.06
and									12	14	2	1.5	1.95
and									21	27	6	4.5	0.67
and									32	33	1	0.75	1.75
and									50	56	6	4.5	0.46
and									66	67	1	0.75	1.24
and									71	124	53	40	0.70
including									81	85	4	3	2.32
and									112	120	8	6	1.13
25MYDD047	Main Hill	697595	7664504	189	45	-50	123.7	DD	54	55	1		1.94
and									77	80	3		0.62
25MYDD048	Main Hill	696966	7664822	179	46	-55	454	DD	313	320	7		0.37
and									325	331	6		0.41
and									337	339	2		1.06
and									352	362	10		1.48
and									394	395	1		1.12
25MYDD049	Main Hill	697620	7664515	189	45	-60	111.9	DD	8	11	3		0.49
25MYDD050	Main Hill	697305	7664931	201	190	-35	200.7	DD	7	8	1	0.7	1.17
and									24	40	16	11	1.53
and									47	51	4	3	0.44
and									89	104	15	10.5	3.20
and									150	164	14	10	0.54
and									176	189	13	9.5	0.67
25MYDD051	Breccia Hill	697732	7664455	157	45	-60	95.1	DD	No significant intercepts				
25MYDD052	Main Hill	697035	7664749	167	45	-55	399.8	DD	286	292	6		0.34
and									302	311	9		0.80
and									323	343	20		1.32
including									335	341	6		3.04
25MYDD053	Main Hill	697409	7664823	200	242	-30	164.3	DD	Awaiting assays				
25MYDD054	Main Hill	697410	7664823	199	242	-45	240.2	DD	Awaiting assays				
25MYDD055	Main Hill	697122	7664674	174	45	-60	390.8	DD	157	158	1		4.79
and									245	260	15		0.63
including									252	255	3		2.01
and									267	268	1		1.45
and									299	300	1		2.89
25MYDD056	Main Hill	697191	7664604	180	44	-65	342.8	DD	Awaiting assays				
25MYDD057	Main Hill	697361	7664939	187	215	-40	234	DD	Awaiting assays				

HoleID	Prospect	<b>Easting</b>	<b>Northing</b>	<b>RL</b>	<b>Azi</b>	<b>Dip</b>	<b>Hole Depth</b>	<b>Hole</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>True Width</b>	<b>Grade</b>
		MGA94	MGA94	(m)	Degrees	Degrees	(m)	Type	(m)	(m)	(m)	(m)	g/t Au
25MYDD058	Main Hill	697052	7665053	179	38	-72	354.7	DD	Awaiting assays				
25MYDD059	Main Hill	697348	7664973	183	242	-45	327.3	DD	Awaiting assays				
25MYDD060	Main Hill	696961	7665232	185	45	-60	165.8	DD	Awaiting assays				
25MYDD061	Main Hill	697348	7664973	183	242	-32	243	DD	Awaiting assays				
25MYDD062	Main Hill	696992	7665253	188	45	-60	108.8	DD	Awaiting assays				
25MYDD063	Main Hill	697120	7664666	197	40	-70	324.7	DD	Awaiting assays				

## About Kairos Minerals

Kairos Minerals (ASX:KAI) owns 100% of the flagship 1.4 Moz **Mt York Gold Project** that was partially mined by Lynas Gold NL between 1994 and 1998. Kairos has recognised that the resource has significant potential to grow further from its current 1.4 Moz base with significant exploration potential existing within the Mt York 'Main Trend' and its extension towards the northwest where Kairos owns the mineral rights for gold. Scoping study results point to a robust, open-cut mining operation processing 4Mtpa of free-milling mineralisation over eight years. The next steps are to drill the extensions of Main Trend and nearby gold prospects for resource increases whilst targeting near-surface, high-grade shoots to further improve the project economics.

During the resource expansion work, Kairos will collect important additional information to fine-tune metallurgical processing, geotechnical engineering and mine scheduling for further development studies. Current resources at a 0.5 g/t Au cutoff grade above 325m depth are shown in the table below.

Deposit	Indicated			Inferred			Total		
	Tonnes (MT)	Au (g/t)	Ounces (kozs)	Tonnes (MT)	Au (g/t)	Ounces (kozs)	Tonnes (MT)	Au (g/t)	Ounces (kozs)
Main Trend	20.25	1.06	690	22.83	0.95	697	43.08	1.00	1,385
<b>Total</b>	<b>20.25</b>	<b>1.06</b>	<b>690</b>	<b>22.83</b>	<b>0.95</b>	<b>697</b>	<b>43.08</b>	<b>1.00</b>	<b>1,385</b>

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 exploration work has confirmed the potential for significant discoveries of high-grade gold, nickel, cobalt and importantly, rare earth element (REE) mineralisation. A 2023 drilling program at Black Cat intercepted significant, clay-hosted REE mineralisation.

This announcement has been authorised for release by the Board.

**Peter Turner**  
**Managing Director**

**Simon Lill**  
**Non-Executive Chairman**

### **For investor information, please contact**

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### **COMPETENT PERSON STATEMENT:**

The information in this report that relates to Exploration Results is based on and fairly represents information compiled and reviewed by Mr Mark Falconer, who is a full-time employee of Kairos Minerals Ltd and who is also a Member of the Australian Institute of Geoscientists (AIG). Mr Falconer 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 Falconer has provided his prior written consent to the inclusion in the report of the matters based on their information in the form and context in which it appears.

The information in this report that relates to Mineral Resources is based on information compiled and reviewed by Christopher Speedy a fulltime employee of Encompass Mining Consultants who is also a Member of the Australian Institute of Geoscientists (AIG). Mr Speedy 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). The Resource Estimation has been prepared independently in accordance with the JORC

Code. Mr Speedy has no vested interest in Kairos Minerals or its related parties, or to any mineral properties included in this report. Fees for the report are being levied at market rates and are in no way contingent upon the results. Mr Speedy 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 Mineral Resources were first reported in the announcement dated 15 May 2023 (Announcement) and subsequently updated in an announcement dated 5 September 2024. The Company confirms that it is not aware of any new information or data that materially affects the information included in the Announcement and, in the case of estimates of mineral resources, that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed.

## Appendix A - JORC Code, 2012 Edition – Table 1

### Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
<b>Sampling techniques</b>	<ul style="list-style-type: none"> <li><i>Nature and quality of sampling (eg 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.</i></li> <li><i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i></li> <li><i>Aspects of the determination of mineralisation that are Material to the Public Report.</i></li> <li><i>In cases where 'industry standard' work has been done this would be relatively simple (eg '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 (eg submarine nodules) may warrant disclosure of detailed information.</i></li> </ul>	<ul style="list-style-type: none"> <li>Sampling was undertaken using diamond drilling</li> <li>All drilling and sampling was undertaken using industry standard methods.</li> <li>Diamond drilling depths and run lengths were measured and recorded by the driller and written on core blocks and inserted into the core trays. Rod counts were conducted to verify drill hole and sample depths</li> <li>Diamond drill core was logged geologically, marked up for sampling, and photographed. Samples were selected on nominal 1m intervals in and around mineralised zones, with variations to interval lengths based on geological boundaries.</li> <li>Sampling was carried out under Kairos Minerals sampling protocols and QAQC procedures.</li> <li>The samples are considered representative and appropriate for the methods of drilling used.</li> <li>Diamond core samples were assayed for gold by Photon Assay at Intertek Genalysis Laboratory in Perth.</li> </ul>
<b>Drilling techniques</b>	<ul style="list-style-type: none"> <li><i>Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg 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).</i></li> </ul>	<ul style="list-style-type: none"> <li>Diamond drilling was conducted using HQ3 diameter (61mm) drilling to fresh rock with NQ2 diameter (51mm) drilling for the remainder of the hole.</li> <li>All NQ drill core is oriented using orientation tools at the drill site and then joined and marked up by Kairos field personnel.</li> </ul>
<b>Drill sample recovery</b>	<ul style="list-style-type: none"> <li><i>Method of recording and assessing core and chip sample recoveries and results assessed.</i></li> <li><i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i></li> <li><i>Whether a relationship exists between sample recovery and grade and whether sample bias may have</i></li> </ul>	<ul style="list-style-type: none"> <li>Sample recovery was routinely close to 100% recovery through the main banded iron formation mineralised host rock</li> <li>Weathered material near the top of holes had varying recoveries but was generally &gt;85% with care taken to maximise recovery.</li> <li>Drill core recovery is measured for each drilling run by the driller and recorded on core blocks inserted into the core trays.</li> </ul>

Criteria	JORC Code explanation	Commentary
	<p><i>occurred due to preferential loss/gain of fine/coarse material.</i></p>	<p>These measurements are verified by the geological staff during the mark up and logging process by physical measurement with a tape measure.</p> <ul style="list-style-type: none"> <li>• No sample bias has been observed.</li> </ul>
<b>Logging</b>	<ul style="list-style-type: none"> <li>• <i>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.</i></li> <li>• <i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i></li> <li>• <i>The total length and percentage of the relevant intersections logged.</i></li> </ul>	<ul style="list-style-type: none"> <li>• All drill core is geologically logged by company geologists using the Kairos Minerals logging scheme.</li> <li>• Logging of diamond core records colour, lithology, grain size, structure, mineralogy, alteration, weathering, rock quality and various other features of the samples.</li> <li>• All holes were logged in full.</li> <li>• All diamond core was photographed both dry and wet in core trays after logging and prior to cutting and sampling.</li> </ul>
<b>Sub-sampling techniques and sample preparation</b>	<ul style="list-style-type: none"> <li>• <i>If core, whether cut or sawn and whether quarter, half or all core taken.</i></li> <li>• <i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i></li> <li>• <i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i></li> <li>• <i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i></li> <li>• <i>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.</i></li> <li>• <i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i></li> </ul>	<ul style="list-style-type: none"> <li>• NQ and HQ drill core samples is cut in half, with half core samples submitted for analysis and the other half retained on site in core trays. Half core drill samples typically ranged in weight from 2.7kg – 3.6kg.</li> <li>• All drill core cutting is conducted at the Mt York project site.</li> <li>• Samples are prepared at Intertek Genalysis in Perth for PhotonAssay. Samples are dried and crushed to 3mm.</li> <li>• A &gt;500g split is created from the 3mm crushed material and placed in sample jars for the PhotonAssay process</li> <li>• All remaining crushed material is bagged retained for future use if required</li> <li>• Sample sizes are considered appropriate for the material sampled.</li> </ul>
<b>Quality of assay data and laboratory tests</b>	<ul style="list-style-type: none"> <li>• <i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i></li> <li>• <i>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.</i></li> <li>• <i>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks)</i></li> </ul>	<ul style="list-style-type: none"> <li>• Samples were analysed by Intertek Genalysis in Perth.</li> <li>• The analytical method used for gold analysis is PhotonAssay with laboratory code PAAU02 and a quoted detection range of limit of 0.03ppm – 350ppm Au.</li> <li>• PhotonAssay provides non-destructive analysis of a larger volume of sample material, is considered appropriate for the nature of the material and mineralisation, and is a well-established method within the gold industry</li> <li>• PhotonAssay results are periodically verified with a parallel 50g fire assay conducted on</li> </ul>

Criteria	JORC Code explanation	Commentary
	<p><i>and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</i></p>	<p>the same sample material to provide further QAQC information. Fire assay results received to date have been in line with PhotonAssay results and have not identified any systematic bias between the two methods.</p> <ul style="list-style-type: none"> <li>• A 48-element analysis is conducted on diamond samples at a minimum rate of 1:10 samples using Intertek Genalysis method 4A/MS48 involving a four-acid digest and ICP-MS and ICP-OES finish</li> <li>• Certified standards and blanks were regularly inserted into the sample sequence at a minimum rate of 1:25 for standards and 1:25 for blanks to assess the accuracy of the analysis method.</li> <li>• The laboratory performed regular performance checks through analysis of internal laboratory standards, repeats, and control blanks.</li> <li>• QAQC performance was monitored by Kairos staff with action taken with the laboratory if required.</li> <li>• Acceptable levels of accuracy and precision have been established through monitoring and assessment of QAQC performance.</li> </ul>
<b>Verification of sampling and assaying</b>	<ul style="list-style-type: none"> <li>• <i>The verification of significant intersections by either independent or alternative company personnel.</i></li> <li>• <i>The use of twinned holes.</i></li> <li>• <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i></li> <li>• <i>Discuss any adjustment to assay data.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Significant mineralised intersections were checked by the Exploration Manager and validated against the drill core and logging. Additional checks were performed by other members of the Kairos geology team.</li> <li>• No twinned drillholes were completed for this program.</li> <li>• All assay and geological data is stored in an electronic Micromine Geobank database on a secure Microsoft Azure cloud server.</li> <li>• Primary laboratory data is emailed directly to the company's database administrator for upload directly into the company database.</li> <li>• Laboratory data is also provided as a .pdf file for verification of original data files</li> <li>• Results are checked and verified by company geologists.</li> <li>• No adjustments have been made to the assay data.</li> <li>• Assay intersections are reported on a length-weighted basis.</li> </ul>
<b>Location of data points</b>	<ul style="list-style-type: none"> <li>• <i>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and</i></li> </ul>	<ul style="list-style-type: none"> <li>• Diamond collar locations were set out using handheld GPS, with an accuracy of +/- 5m in both easting and northing.</li> </ul>

Criteria	JORC Code explanation	Commentary
	<p><i>other locations used in Mineral Resource estimation.</i></p> <ul style="list-style-type: none"> <li>• <i>Specification of the grid system used.</i></li> <li>• <i>Quality and adequacy of topographic control.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Diamond collars were surveyed post-drilling with handheld GPS immediately post-drilling.</li> <li>• Collars will eventually be surveyed with DGPS system operated by a qualified surveyor supplied by an external survey company, with expected accuracies of +/- 20mm horizontally and +/- 30mm vertically prior to updating the resource model.</li> <li>• Downhole surveys were completed on all drill holes using Axis north-seeking gyro survey instruments.</li> <li>• All location data is recorded in GDA94 MGA Zone 50.</li> <li>• Topographic control is through a DTM generated through stereoscopic photogrammetry of 5cm resolution aerial imagery. The accuracy of the DTM is estimated as better than 0.5m in elevation.</li> </ul>
<b>Data spacing and distribution</b>	<ul style="list-style-type: none"> <li>• <i>Data spacing for reporting of Exploration Results.</i></li> <li>• <i>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.</i></li> <li>• <i>Whether sample compositing has been applied.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Drill spacing ranges from 100m x 100m for extensional exploration drillholes down-dip and along strike, to broadly 50m x 100m and 50m x 50m for infill and local extensional holes.</li> <li>• The data spacing and distribution is considered appropriate and sufficient to establish the geological and grade continuity required for the anticipated estimation procedures and classifications based on previous drilling, resource modelling and geological work.</li> <li>• No compositing of samples has been applied.</li> </ul>
<b>Orientation of data in relation to geological structure</b>	<ul style="list-style-type: none"> <li>• <i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i></li> <li>• <i>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.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Drilling was oriented approximately perpendicular to the strike and dip of mineralisation.</li> <li>• Drill holes were angled between -60° and -75° to provide good intersection angles with mineralisation that dips between -40° to -70°.</li> <li>• No biases have been identified based on drilling angles and known structures.</li> <li>• The drill orientation is considered appropriate and representative.</li> </ul>
<b>Sample security</b>	<ul style="list-style-type: none"> <li>• <i>The measures taken to ensure sample security.</i></li> </ul>	<ul style="list-style-type: none"> <li>• All samples were collected in the field at the project site in number-coded calico bags and placed within secure, labelled polyweave bags by company field personnel.</li> <li>• All samples were delivered directly to a freight contractor for secure transport to Intertek Genalysis in Perth for final analysis.</li> </ul>

Criteria	JORC Code explanation	Commentary
<b>Audits or reviews</b>	<ul style="list-style-type: none"> <li><i>The results of any audits or reviews of sampling techniques and data.</i></li> </ul>	<ul style="list-style-type: none"> <li>No audits have been conducted outside of routine QAQC reviews.</li> </ul>

## Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
<b>Mineral tenement and land tenure status</b>	<ul style="list-style-type: none"> <li><i>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.</i></li> <li><i>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.</i></li> </ul>	<ul style="list-style-type: none"> <li>The Mt York project comprises 6 Prospecting Licences P45/2987, P45/2989, P45/2990, P45/2991, P45/2994 and P45/2996, overlain by Mining Lease application M45/1306 (as reported to the ASX on 31/01/2023 - 'Quarterly Report for the Period Ending 31 December 2022').</li> <li>Kairos Minerals Limited owns 100% of the 6 Prospecting Licences and Mining Lease application that define the Mt York Gold Project through its wholly owned subsidiary Mount York Operations Pty Ltd. The security of the tenements is in good standing.</li> <li>The project is located on Wallarenya and Strelley Pastoral Co pastoral leases.</li> <li>Kairos is not aware of any existing impediments nor of any potential impediments which may impact ongoing exploration and development activities.</li> </ul>
<b>Exploration done by other parties</b>	<ul style="list-style-type: none"> <li><i>Acknowledgment and appraisal of exploration by other parties.</i></li> </ul>	<ul style="list-style-type: none"> <li>Significant past work has been carried out by other parties including open pit mining of previously defined gold resources.</li> <li>During the early to mid-1970's, the Lynas Find project area was part of a large area held and explored for volcanogenic base metal deposits, initially by McIntyre Mines Pty Ltd, and then by Esso Minerals. Esso completed some induced polarization and ground magnetic geophysical surveys, and some diamond drilling over the area including the Main Trend at Mt York.</li> <li>The Main Trend at Mt York was discovered by Carpentaria Exploration Company Pty Ltd in 1986. Lynas Gold NL acquired the project in the early 1990's and mined a number of deposits as a successful open pit operation by that company between 1994 – 1998. Other companies to have explored the area include Austamax, MIM and Trafford Resources.</li> <li>Significant historical Au exploration including, surface geochemical sampling, airborne and ground electromagnetic geophysical surveys,</li> </ul>

Criteria	JORC Code explanation	Commentary
		RAB, AC, RC, and DD drilling. This is acknowledged in past ASX announcements and Company reports.
<b>Geology</b>	<ul style="list-style-type: none"> <li><i>Deposit type, geological setting and style of mineralisation.</i></li> </ul>	<ul style="list-style-type: none"> <li>The Pilbara Gold Project lies within the East Strelley Greenstone Belt of the Archaean Pilbara Craton. The Pilbara Craton is composed of greenstone and sediment units which have been deformed by tight isoclinal folds during the intrusion of diapiric granites.</li> <li>The Main Trend system at Mt York is a structurally controlled, Banded Iron Formation-hosted orogenic gold deposit situated on the limb of a folded greenstone sequence</li> <li>The Main Trend geology comprises (from NE to SW) – felsic volcanics and cherts, mafic-ultramafic volcanics and amphibolite, banded iron formation (BIF), and fine to coarse-grained classic sediments.</li> <li>The sequence has been metamorphosed to amphibolite facies and has been broadly folded</li> <li>The dominant mineralogy of the BIF consists of magnetite, silica and Fe-rich grunerite amphibole.</li> <li>Gold mineralisation is hosted primarily within the BIF sequence, and is associated with weak to strongly disseminated arsenopyrite and disseminated to massive pyrrhotite associated with visible folding and deformation of the BIF layering.</li> <li>The Gilt Dragon prospect sits within the Euro basalt sequence of mafic-ultramafic greenstones. It is prospective for Mt York-style gold, and VMS base metal mineralisation</li> </ul>
<b>Drill hole Information</b>	<ul style="list-style-type: none"> <li><i>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:</i> <ul style="list-style-type: none"> <li><i>easting and northing of the drill hole collar</i></li> <li><i>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</i></li> <li><i>dip and azimuth of the hole</i></li> <li><i>down hole length and interception depth</i></li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>All drill hole location, orientation, hole length and interception depth and length information material to the understanding of the exploration results is provided in <b>Table 1</b> and figures included within the body of this announcement.</li> <li>Information from historic holes drilled by Kairos Minerals at Mt York can be found in previous ASX releases.</li> <li>No drill hole information from the reported program was excluded from this release.</li> </ul>

Criteria	JORC Code explanation	Commentary
	<ul style="list-style-type: none"> <li>○ <i>hole length.</i></li> <li>• <i>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.</i></li> </ul>	
<b>Data aggregation methods</b>	<ul style="list-style-type: none"> <li>• <i>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.</i></li> <li>• <i>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.</i></li> <li>• <i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Results are reported as down hole length weighted averages using a 0.3g/t gold minimum cut-off grade.</li> <li>• Reported intercepts may include a maximum of 4m of internal dilution below the 0.3g/t minimum cut-off grade.</li> <li>• No top cuts have been applied to the reporting of the assay results.</li> </ul>
<b>Relationship between mineralisation widths and intercept lengths</b>	<ul style="list-style-type: none"> <li>• <i>These relationships are particularly important in the reporting of Exploration Results.</i></li> <li>• <i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i></li> <li>• <i>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</i></li> </ul>	<ul style="list-style-type: none"> <li>• All mineralisation widths for exploration holes are reported as down hole lengths.</li> <li>• Where drilling is not perpendicular to the strike and dip of the mineralisation the true widths are less than down hole widths.</li> <li>• True widths have been estimated in Table 1.</li> </ul>
<b>Diagrams</b>	<ul style="list-style-type: none"> <li>• <i>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.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Refer to Figures and Tables provided in the body of this announcement.</li> </ul>
<b>Balanced reporting</b>	<ul style="list-style-type: none"> <li>• <i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or</i></li> </ul>	<ul style="list-style-type: none"> <li>• All verified and validated exploration results received from the drill program at the time of data compilation for this announcement have been reported, including drill holes with low</li> </ul>

Criteria	JORC Code explanation	Commentary
	<p><i>widths should be practiced to avoid misleading reporting of Exploration Results.</i></p>	<p>grades or no significant intercepts.</p> <ul style="list-style-type: none"> <li>The information reported is considered fair, balanced, and provided in context.</li> </ul>
<b>Other substantive exploration data</b>	<ul style="list-style-type: none"> <li><i>Other exploration data, if meaningful and material, should be reported including (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.</i></li> </ul>	<ul style="list-style-type: none"> <li>All meaningful and material exploration data has been included in the body of this document.</li> <li>Samples for further metallurgical test work are to be selected once all assay results have been returned from the program.</li> </ul>
<b>Further work</b>	<ul style="list-style-type: none"> <li><i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i></li> <li><i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i></li> </ul>	<ul style="list-style-type: none"> <li>Mineralisation at Mt York remains open at depth and along strike and additional diamond drill holes have been planned to extend the known mineralisation.</li> <li>Additional drillholes for metallurgical and geotechnical test work are also being planned.</li> </ul>