

ASX ANNOUNCEMENT

25 May 2022

## Wide drill intersections highlight scope for significant resource upgrade at Mt York Gold Project in Pilbara

*Latest drill results extend known mineralisation, paving way for an upgrade of the existing 873,500 oz mineral resource*

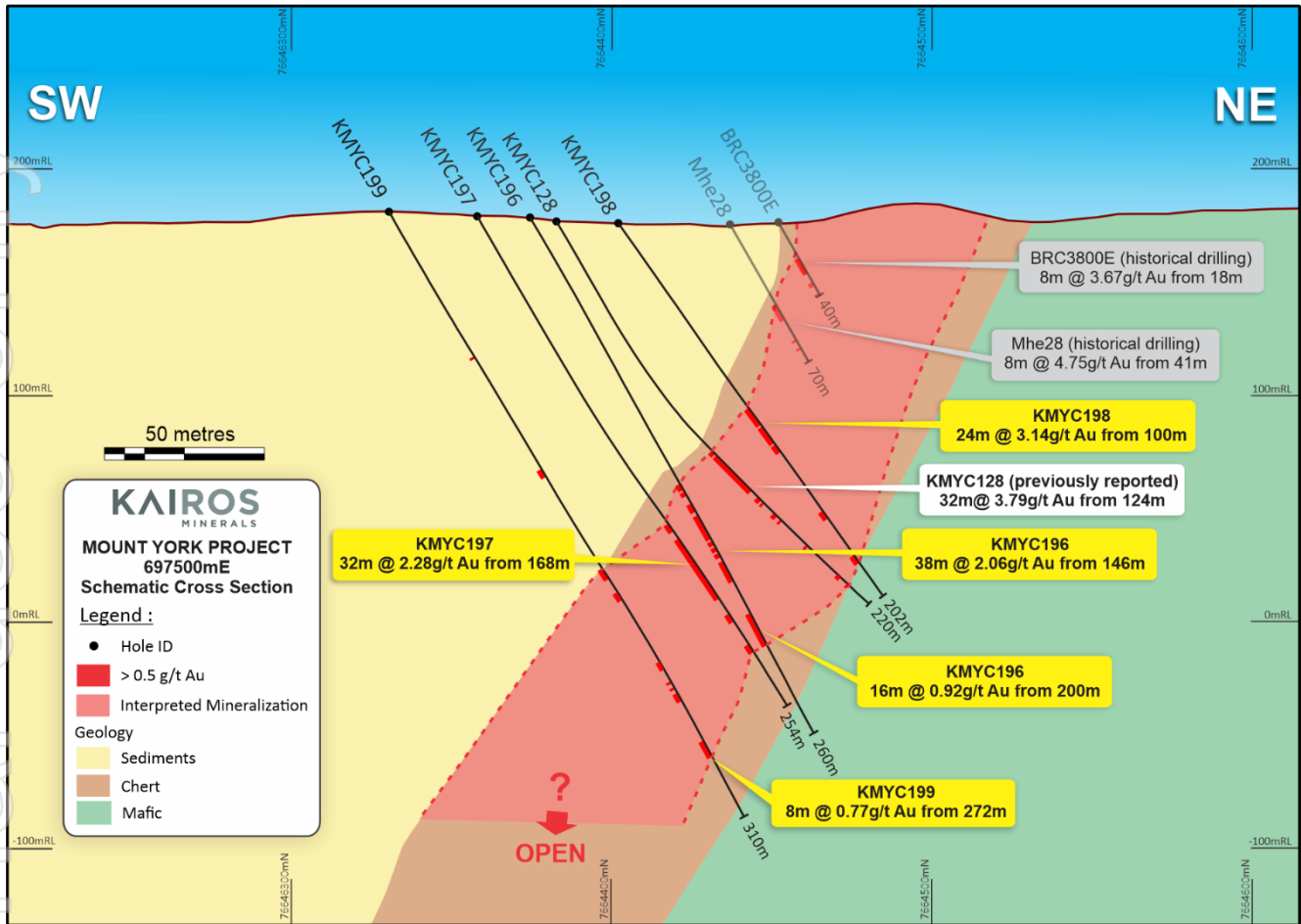
### Highlights

- Final 4m-composite sample results received from the 14,988m Reverse Circulation drilling program completed in 2021 at the 873,500oz Mt York Gold Project
- Latest results include:
  - 49m @ 1.75g/t Au from 135m in KMYC196 (The Gap), including:
    - 19m @ 3.29g/t Au from 153m
  - 24m @ 3.14g/t Au from 100m in KMYC198 (The Gap), including:
    - 14m @ 4.30g/t Au from 104m
  - 28m @ 1.66g/t Au from 32m in KMYC194 (Main Hill), including:
    - 12m @ 3.26g/t Au from 32m
- Results extend the new high-grade lode down-dip at “The Gap”, with intercepts including 8m @ 6.16g/t Au from 172m (KMYC197)
- These highly encouraging new results will help underpin a resource upgrade
- 1m re-splits submitted with results expected in June

Kairos Managing Director Dr Peter Turner said: “These results confirm that the Mt York Gold Project is a big system that is yet to be fully understood. The technical team has done a superb job targeting parts of the orebody that are either under-drilled or not drilled at all and have provided the Company with excellent results that it will take into the next round of resource estimation. These are some of the best grade and widths we have seen at Mt York to date.

“We have commenced a technical review of the deposit and are looking for more opportunities to increase our confidence in the mineralisation and importantly, substantially grow the resource. I remain extremely positive about delivering cost-effective exploration to deliver value with this highly promising asset.

“Organic growth through targeted drilling is in our view the best way to create shareholder value and is entirely in line with our strategy. We anticipate a further 10,000m drill programme at Mt York in the second half of the year”.



**Figure 1: Schematic cross-section from “the Gap”, including the recent assay results from holes KMYC196 to KMYC199.**

Kairos Minerals Ltd (ASX: KAI) is pleased to advise that it has received all final 4m-composite sample results from the RC drilling program conducted in 2021 at its 100%-owned **Mt York Gold Project** located in the Pilbara region of Western Australia. The 2021 RC drilling program at Mt York project comprised 95 drill holes for a total of 14,988m, and it was completed on the 19<sup>th</sup> of November. A breakdown of the drilling program is shown in Table 1. Previous results of this programme were announced in press releases by Kairos Minerals on 15<sup>th</sup> September 2021, 23<sup>rd</sup> November 2021 and 13<sup>th</sup> January 2022.

**Table 1: RC drill holes completed last year at Mt York Project.**

Prospect	Drill Holes	Total Meters
Old Faithful	16	2,403
Green Creek	5	400
Iron Stirrup North	6	752
Iron Stirrup	7	1,337
Zakanaka	10	1,293
Mt York	49	8,555
Batavia	2	248
<b>Total</b>	<b>95</b>	<b>14,988</b>

The RC holes drilled at the Mt York deposit continue to deliver exceptional results, including **49m @ 1.75g/t Au from 135m in KMYC196**. See Figure 1 for a cross-section and Figure 3 for a plan view.

The Company is expecting results of the 1m resplit samples of mineralised intervals next month in preparation for a mineral resource update later in the year.

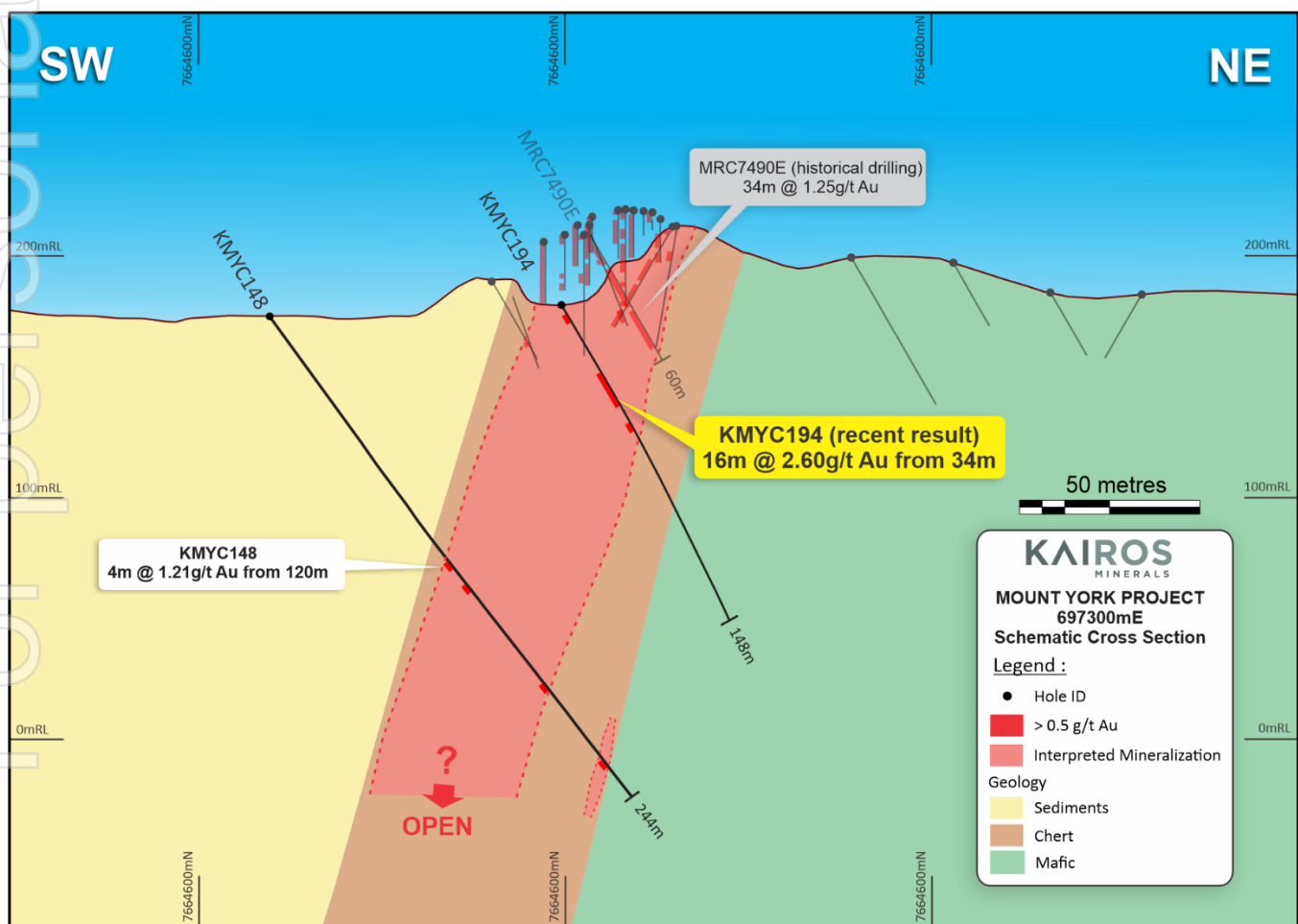
## Mt York RC Drilling Program

This follow-up drilling at “The Gap” prospect, between Main Hill and Breccia Hill historic pits extends the mineralization zone approximately 75m down-dip with mineralisation remaining open at depth. KMYC197 returned exceptional intercepts of **8m @ 6.16g/t Au**, extending the high-grade lode previously intercepted in hole KMYC128 (see ASX release, 15 September 2021).

These latest results will likely have a positive impact on the next mineral resource estimate, especially for the Gap prospect, where the previous estimate relied on only shallow drilling (see press release dated 4th March 2020).

Figure 1 shows the cross-section with the RC holes drilled to follow up the results from the KMYC128.

In-fill drilling conducted underneath the historic Main Hill pit, returned exceptional grades of up to **6.31 g/t Au** (KMYC194), within a thick and shallow zone of **16m @ 2.60 g/t Au from 32m**. See Figure 2 for a cross-section and Figure 3 for a plan view.



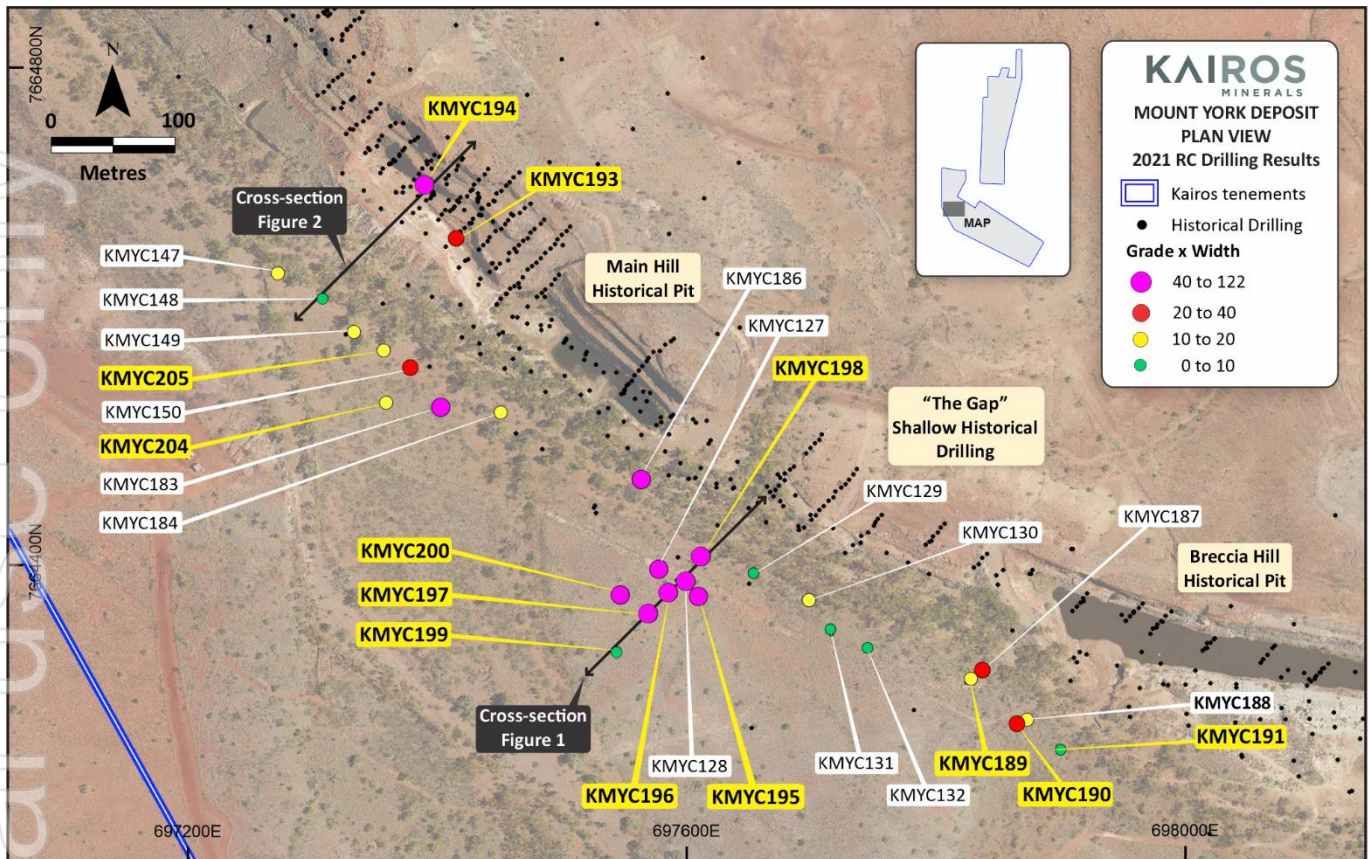
**Figure 2: Schematic cross section at Main Hill, including the recent assay results from hole KMYC194.**

Other significant results returned from holes drilled at the western end of the historical Breccia Hill Pit, and included an intercept of 4m @ 2.01g/t Au from 100m (KMYC190). These significant intercepts returned from a zone of the deposit where only inferred resources were previously estimated and will support the resource classification upgrade.

The most significant results from the last assays received are reported below:

- **32m @ 0.62g/t Au from 92m in KMYC190 (Breccia Hill), including:**
  - 4m @ 2.01g/t Au from 100m
- **28m @ 1.35g/t Au from 0m in KMYC193 (Main Hill), including:**
  - 8m @ 2.16g/t Au from 0m
- **28m @ 1.66g/t Au from 32m in KMYC194 (Main Hill), including:**
  - 12m @ 3.26g/t Au from 32m
- **49m @ 1.75g/t Au from 135m in KMYC196 (The Gap), including:**
  - 38m @ 2.06g/t Au from 146m, including:
  - 19m @ 3.29g/t Au from 153m
- **40m @ 1.92g/t Au from 160m in KMYC197 (The Gap), including:**
  - 32m @ 2.28g/t Au from 168m, including:
  - 8m @ 6.16g/t Au from 172m
- **24m @ 3.14g/t Au from 100m in KMYC198 (The Gap), including:**
  - 14m @ 4.30g/t Au from 104m, including:
  - 6m @ 5.39g/t Au from 111m
- **60m @ 1.05g/t Au from 148m in KMYC200 (The Gap), including:**
  - 5m @ 3.40g/t Au from 149m, including:
  - 5m @ 1.82g/t Au from 172m, including:
  - 4m @ 2.14g/t Au from 194m

The list of drill-holes and significant intercepts is provided at the end of this announcement in Table 2.



**Figure 3: Plan view showing the drill holes with the latest assay results as grade x width (note: grade x width calculation not undertaken for historic drilling).**

## Next Steps

- Resplit sample results from Mt York Gold Project
- Complete technical and strategic review of the Company's lithium and gold projects, including Mt York
- Review of regional projects for lithium pegmatite potential.
- Further mapping and surface geochemistry program at Lalla Rookh project.
- Assay results from the Kangan and Mt York AC drilling.
- Results from geochemistry sampling programs from Croydon, Mt York and Roe Hills projects.
- Additional heritage surveys at Kangan, Wodgina and Skywell Projects.

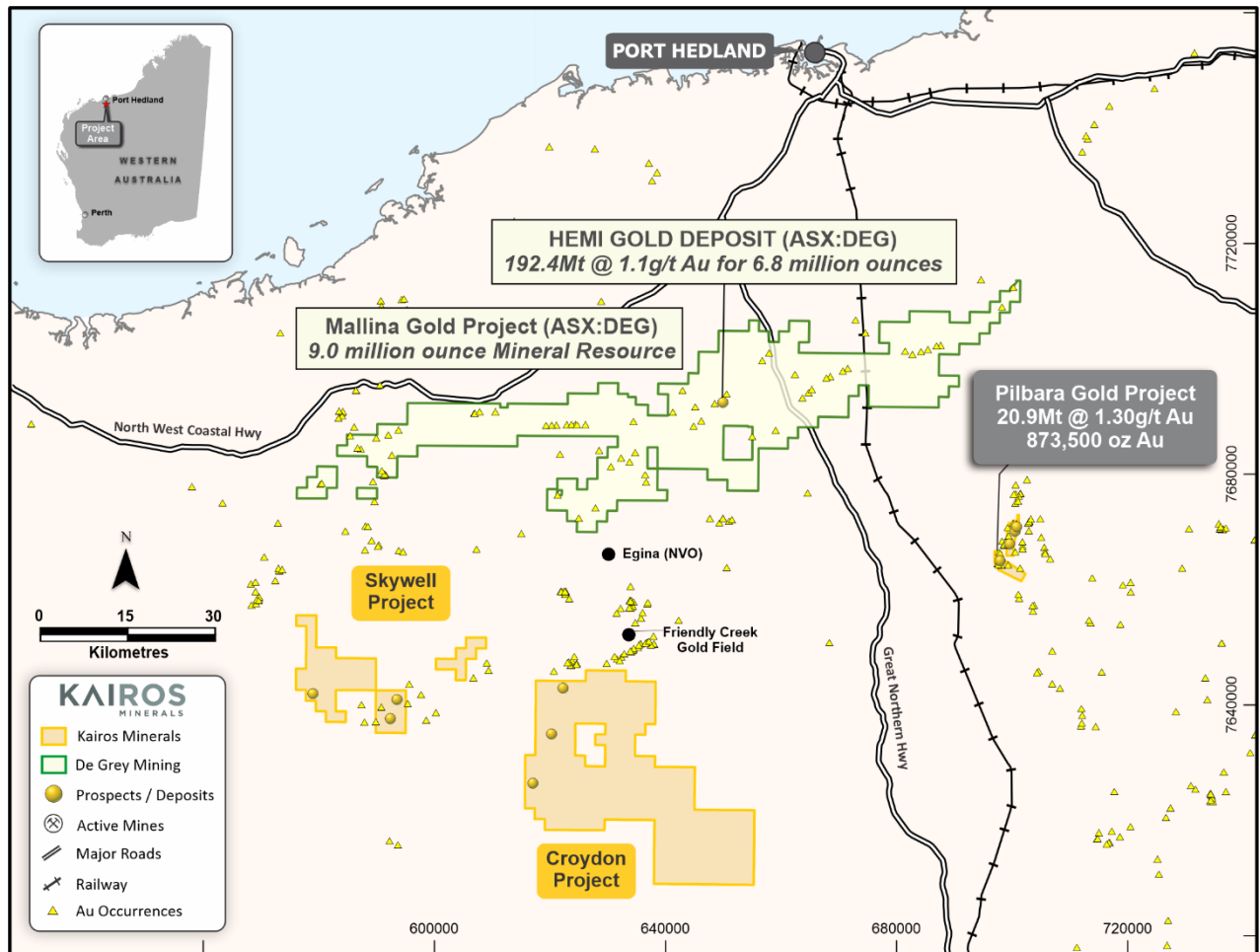


Figure 4: Pilbara Gold Project, WA.

## About Kairos Minerals

Kairos Minerals (ASX: KAI) is a diversified West Australian-based exploration company which is focused on the exploration and development of two key project hubs located in WA's premier mining districts. The Company's 100%-owned Pilbara Gold-Project has its central "hub" located ~100km south of Port Hedland in the world-class Pilgangoora district immediately adjacent to the major lithium-tantalum projects owned by Pilbara Minerals and Altura Mining.

In the Pilbara, Kairos also holds 2,026 square kilometres of tenure which is highly prospective for gold and copper discoveries.

Since acquiring the project in early 2016, Kairos has rapidly established an 873,000oz JORC 2012 compliant Gold Mineral Resource by re-evaluating the previously known resources from the historical Lynas Find gold project, which produced over 125,000oz of gold between 1994 and 1998 and by executing highly focused cost-effective exploration.

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 and cobalt mineralisation. Kairos' tenure adjoins the emerging Lake Roe Gold Project, owned by Breaker Resources (ASX: BRB) and Silver Lake Resources' (ASX: SLR) Aldiss Gold.

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This announcement has been authorised for release by the Board.

**Dr Peter Turner**  
Managing Director

**Zane Lewis**  
Non Executive Director

**For further information, please contact:**

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Kairos Minerals Limited

**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 Eduardo Ruaro, who is a consultant to Kairos Minerals Ltd and who is also a Member of the Australian Institute of Geoscientists (AIG). Mr Ruaro 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 Ruaro has consented to the inclusion in the report of the matters based on their information in the form and context in which it appears.*

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**Table 2: List of drilled holes and significant intercepts completed at Mt York Project**

Prospect	Hole	MGA_E	MGA_N	RL	Dip	Az	Total Depth (m)	From (m)	Length (m)	Au (ppm)
Mount York	KMYC111A	696959	7665422	180	-60	45	60			NSA
Mount York	KMYC121	696996	7665337	180	-60	45	80	8	4	1.26
Mount York	KMYC122	697055	7665066	179	-60	45	114			NSA
Mount York	KMYC123	697074	7665094	182	-60	45	100			NSA
Mount York	KMYC124	697104	7665122	182	-60	45	70			NSA
Mount York	KMYC125	697110	7664976	190	-60	40	200	96	16	0.56
Mount York	KMYC126	697003	7665206	180	-60	70	192	156	4	1.25
Mount York	KMYC127	697576	7664397	177	-60	45	204	124	36	1.18
							<i>including</i>	<b>124</b>	<b>4</b>	<b>2.09</b>
								188	4	0.50
Mount York	KMYC128	697598	7664387	177	-60	45	220	<b>124</b>	<b>32</b>	<b>3.79</b>
							<i>including</i>	<b>132</b>	<b>16</b>	<b>6.62</b>
							<i>including</i>	<b>144</b>	<b>4</b>	<b>15.7</b>
								200	4	0.66
Mount York	KMYC129	697652	7664394	175	-60	40	204	92	4	0.6
								136	4	1.17
								156	4	1.63
Mount York	KMYC130	697697	7664372	176	-60	45	132	104	8	1.45
							<i>including</i>	<b>108</b>	<b>4</b>	<b>2.21</b>
								128	4	0.68
Mount York	KMYC131	697714	7664349	176	-60	40	198	104	8	1.06
							<i>including</i>	108	4	1.62
Mt York	KMYC132	697744	7664334	177	-60	40	114	100	4	1.03
Mt York	KMYC133	698235	7664189	178	-60	0	180	<b>124</b>	<b>8</b>	<b>2.1</b>
Mt York	KMYC134	698274	7664208	181	-60	0	120	116	4	1.01
Mt York	KMYC135	698317	7664194	180	-55	0	160	124	8	1.18
Mt York	KMYC136	698357	7664192	181	-55	0	148	<b>124</b>	<b>4</b>	<b>2.14</b>
Mt York	KMYC137	698436	7664195	182	-55	0	142	100	4	0.81
								112	4	1.57
Mt York	KMYC138	698401	7664254	187	-60	0	100	28	4	0.58
								44	8	1.04
							<i>including</i>	48	4	1.26
								60	4	0.66
Mt York	KMYC139	698398	7664221	186	-60	0	118	<b>96</b>	<b>4</b>	<b>2.51</b>
Mt York	KMYC140	698357	7664253	187	-60	0	94	<b>68</b>	<b>4</b>	<b>3.38</b>
Mt York	KMYC141	698437	7664268	192	-60	0	80	16	4	0.76
								<b>28</b>	<b>20</b>	<b>1.58</b>
							<i>including</i>	<b>44</b>	<b>4</b>	<b>4.42</b>
Mt York	KMYC142	698190	7664185	177	-60	0	190	132	12	1.72
							<i>including</i>	<b>136</b>	<b>4</b>	<b>2.9</b>
Mt York	KMYC143	698611	7664257	182	-55	0	88	8	4	1.12
								40	4	0.52
Mt York	KMYC144	698610	7664224	180	-60	0	118	84	12	1.34



Prospect	Hole	MGA_E	MGA_N	RL	Dip	Az	Total Depth (m)	From (m)	Length (m)	Au (ppm)	
Mt York	KMYC147	697270	7664635	176	-60	45	262	120	4	0.65	
								156	4	0.68	
								184	4	1.09	
								<b>196</b>	<b>8</b>	<b>1.73</b>	
								<i>including</i>	196	4	1.79
								220	4	1.43	
Mt York	KMYC148	697306	7664615	175	-60	45	244	120	4	1.21	
								132	4	0.54	
								184	4	0.57	
								224	4	0.71	
Mt York	KMYC149	697331	7664588	176	-60	45	280	192	4	1.36	
								216	4	0.69	
								232	20	0.97	
								<i>including</i>	232	4	1.66
Mt York	KMYC150	697376	7664559	175	-60	45	219	44	4	0.51	
								76	36	0.73	
								<i>including</i>	<b>96</b>	<b>4</b>	<b>2.18</b>
								152	4	1.55	
Mount York	KMYC183	697401	7664527	177	-60	45	244	<b>108</b>	<b>12</b>	<b>2.73</b>	
								<i>including</i>	<b>108</b>	<b>4</b>	<b>6.16</b>
								128	16	0.66	
								156	20	0.94	
								<i>including</i>	<b>172</b>	<b>4</b>	<b>2.37</b>
								220	4	0.98	
Mount York	KMYC184	697449	7664523	175	-60	45	196	84	4	0.68	
								116	4	0.56	
								132	4	0.73	
								<b>172</b>	<b>8</b>	<b>2.06</b>	
								<i>including</i>	<b>172</b>	<b>4</b>	<b>3.37</b>
Mount York	KMYC185	697480	7664495	174	-60	45	22			Abandoned	
Mount York	KMYC186	697562	7664469	175	-60	45	172	72	4	0.58	
								<b>96</b>	<b>56</b>	<b>0.99</b>	
								<i>including</i>	<b>108</b>	<b>4</b>	<b>3.38</b>
								<i>including</i>	<b>148</b>	<b>4</b>	<b>2.61</b>
Mount York	KMYC187	697836	7664316	176	-60	45	196	76	8	1.06	
								96	8	1.51	
								<i>including</i>	<b>100</b>	<b>4</b>	<b>2.22</b>
Mount York	KMYC188	697872	7664276	175	-60	45	196	96	8	1.31	
								128	8	0.53	
Mount York	KMYC189	697827	7664309	181	-60	0	208	124	16	0.73	
								<i>including</i>	124	4	1.22
Mount York	KMYC190	697864	7664273	180	-60	0	214	92	32	0.62	
								<i>including</i>	100	4	2.01
								136	8	0.94	
								152	4	0.67	

Prospect	Hole	MGA_E	MGA_N	RL	Dip	Az	Total Depth (m)	From (m)	Length (m)	Au (ppm)
Mount York	KMYC191	697899	7664252	179	-60	0	196	140	4	0.74
Mount York	KMYC192	697435	7664632	218	-60	45	58			Abandoned
Mount York	KMYC193	697413	7664663	215	-60	45	160	<b>0</b>	<b>28</b>	<b>1.35</b>
							<i>including</i>	<b>0</b>	<b>8</b>	<b>2.16</b>
								80	4	1.00
Mount York	KMYC194	697388	7664706	203	-60	45	148	4	4	1.09
								<b>32</b>	<b>28</b>	<b>1.66</b>
							<i>including</i>	<b>32</b>	<b>16</b>	<b>2.60</b>
							<i>including</i>	<b>32</b>	<b>4</b>	<b>6.31</b>
Mount York	KMYC195	697608	7664375	177	-60	45	240	124	81	0.57
							<i>including</i>	157	5	1.74
Mount York	KMYC196	697584	7664378	176	-60	45	260	<b>135</b>	<b>49</b>	<b>1.75</b>
							<i>including</i>	<b>146</b>	<b>38</b>	<b>2.06</b>
							<i>including</i>	<b>153</b>	<b>19</b>	<b>3.29</b>
								200	16	0.92
Mount York	KMYC197	697568	7664361	197	-60	45	256	<b>160</b>	<b>40</b>	<b>1.92</b>
							<i>including</i>	<b>168</b>	<b>32</b>	<b>2.28</b>
							<i>including</i>	<b>172</b>	<b>8</b>	<b>6.16</b>
								208	4	1.33
								224	4	1.00
Mount York	KMYC198	697610	7664407	173	-55	45	202	<b>100</b>	<b>24</b>	<b>3.14</b>
							<i>including</i>	<b>104</b>	<b>14</b>	<b>4.30</b>
							<i>including</i>	<b>111</b>	<b>6</b>	<b>5.39</b>
								156	4	0.52
								180	4	1.40
Mount York	KMYC199	697542	7664331	173	-60	45	310	132	4	0.88
								184	16	0.52
								232	20	0.42
							<i>including</i>	232	4	0.75
								272	8	0.77
Mount York	KMYC200	697545	7664376	175	-60	45	292	20	4	1.12
								<b>148</b>	<b>60</b>	<b>1.05</b>
							<i>including</i>	<b>149</b>	<b>5</b>	<b>3.40</b>
							<i>including</i>	<b>172</b>	<b>5</b>	<b>1.82</b>
							<i>including</i>	<b>194</b>	<b>14</b>	<b>1.34</b>
							<i>including</i>	<b>194</b>	<b>4</b>	<b>2.14</b>
								228	4	0.54
Mount York	KMYC204	697357	7664531	175	-60	45	274	133	7	1.32
							<i>including</i>	<b>137</b>	<b>3</b>	<b>2.33</b>
								163	2	0.99
								216	6	1.30
								247	17	0.61
							<i>including</i>	247	2	1.04
							<i>including</i>	260	4	1.25

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Prospect	Hole	MGA_E	MGA_N	RL	Dip	Az	Total Depth (m)	From (m)	Length (m)	Au (ppm)
Mount York	KMYC205	697355	7664573	175	-60	45	280	84	5	0.56
							<i>including</i>	88	1	1.08
								127	4	1.17
							<i>including</i>	127	1	2.73
								216	14	0.78
							<i>including</i>	216	3	2.04
Green Creek	KMYC112	699410	7670920	202	-60	90	80			NSA
Green Creek	KMYC113	699440	7670920	200	-60	90	80			NSA
Green Creek	KMYC114	699435	7671000	203	-60	90	80			NSA
Green Creek	KMYC115	699446	7671040	204	-60	90	80			NSA
Green Creek	KMYC167	699411	7671001	205	-60	90	80	16	<b>4</b>	<b>2.51</b>
Iron Stirrup North	KMYC116	699440	7670402	193	-60	105	100			NSA
Iron Stirrup North	KMYC117	699480	7670395	195	-60	105	112			NSA
Iron Stirrup North	KMYC118	699535	7670257	195	-60	105	124			NSA
Iron Stirrup North	KMYC119	699490	7670268	192	-60	105	124			NSA
Iron Stirrup North	KMYC120	699715	7670194	202	-60	285	172			NSA
Old Faithful	KMYC151	700113	7671617	217	-60	270	99			NSA
Old Faithful	KMYC152	700191	7671754	226	-60	270	105	36	8	0.58
Old Faithful	KMYC153	700316	7671717	226	-60	270	180	128	8	1.19
							<i>including</i>	128	4	1.71
								172	8	1.26
							<i>including</i>	172	4	1.77
Old Faithful	KMYC154	700341	7671714	227	-60	270	100	16	8	1.91
							<i>including</i>	<b>16</b>	<b>4</b>	<b>2.58</b>
Old Faithful	KMYC155	700394	7671707	229	-60	270	180	24	4	0.77
								172	4	0.51
Old Faithful	KMYC156	700226	7671606	221	-60	270	160	72	26	1.48
							<i>including</i>	76	4	1.13
							<i>including</i>	80	4	1.63
							<i>including</i>	<b>84</b>	<b>4</b>	<b>2.37</b>
							<i>including</i>	88	4	1.67
							<i>including</i>	92	4	1.65
Old Faithful	KMYC157	700272	7671605	221	-60	270	119			NSA
Old Faithful	KMYC158	700128	7671607	227	-60	270	120			NSA
Old Faithful	KMYC159	700181	7671360	216	-60	270	240	44	8	0.72
								76	4	0.54
								176	4	0.70
Old Faithful	KMYC160	700000	7671166	208	-60	270	140	16	4	0.58
Old Faithful	KMYC161	700048	7671166	209	-60	270	160	16	4	0.57
Old Faithful	KMYC162	700076	7671165	211	-60	270	180	104	8	0.58

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Prospect	Hole	MGA_E	MGA_N	RL	Dip	Az	Total Depth (m)	From (m)	Length (m)	Au (ppm)
Old Faithful	KMYC163	700102	7671168	214	-60	270	180	36	14	0.72
							<i>including</i>	<b>48</b>	<b>1</b>	<b>2.62</b>
								59	7	0.73
								72	4	1.53
							<i>including</i>	<b>72</b>	<b>1</b>	<b>4.21</b>
								82	4	0.67
Old Faithful	KMYC164	700043	7671116	212	-60	270	120			NSA
Old Faithful	KMYC165	700143	7671160	218	-60	270	180			NSA
Old Faithful	KMYC166	700083	7671113	216	-60	270	140	<b>13</b>	<b>2</b>	<b>2.55</b>
							<i>including</i>	<b>14</b>	<b>1</b>	<b>4.56</b>
								28	30	0.79
							<i>including</i>	<b>56</b>	<b>1</b>	<b>2.71</b>
Iron Stirrup	KMYC168	699560	7670375	199	-60	295	120			NSA
Iron Stirrup	KMYC169	699264	7669558	215	-60	100	80	<b>72</b>	<b>4</b>	<b>2.19</b>
Iron Stirrup	KMYC170	699259	7669502	224	-55	90	120			NSA
Iron Stirrup	KMYC171	699242	7669497	224	-55	90	150			NSA
Iron Stirrup	KMYC172	699112	7669319	200	-55	110	273			NSA
Iron Stirrup	KMYC201	699135	7669218	204	-50	90	238	28	16	0.86
							<i>including</i>	28	4	1.17
								184	4	0.74
Iron Stirrup	KMYC202	699423	7668782	215	-60	90	238			NSA
Iron Stirrup	KMYC203	699401	7668730	209	-60	90	238			NSA
Zakanaka	KMYC173	698008	7666281	195	-60	270	207			NSA
Zakanaka	KMYC174	697973	7666447	198	-60	270	260			NSA
Zakanaka	KMYC175	697928	7666454	198	-60	270	197			NSA
Zakanaka	KMYC176	697971	7666284	196	-60	270	120	<b>36</b>	<b>4</b>	<b>2.61</b>
								68	8	1.27
							<i>including</i>	<b>72</b>	<b>4</b>	<b>1.74</b>
Zakanaka	KMYC177	698117	7666219	194	-60	45	60	4	4	0.58
Zakanaka	KMYC178	698105	7666209	194	-60	45	60			NSA
Zakanaka	KMYC179	698098	7666199	194	-60	45	69	52	8	0.60
Zakanaka	KMYC180	697798	7666401	195	-60	45	150			NSA
Zakanaka	KMYC181	698046	7666007	190	-60	45	58			NSA
Zakanaka	KMYC182	698087	7666191	190	-60	45	112			NSA
Batavia	KMYC145	701578	7661555	204	-60	270	130			NSA
Batavia	KMYC146	701480	7661553	204	-60	90	118			NSA

*Selected intercepts at 0.5g/t Au lower cut, 4m maximum internal waste.  
 NSA: No Significant Assays.*

## Appendix 1 – Kairos Minerals – Pilbara Gold Project 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>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 style="list-style-type: none"> <li>In Mount York Project the samples from RC drilling were split on a 1 metre sample interval at the rig cyclone.</li> <li>Samples from this drilling program were collected on four meters composites, with single meter samples collected from the some zones of interest.</li> <li>Additional individual single meters samples are collected where significant results return from the four meters composites.</li> <li>All samples were delivered by Kairos personnel to RGR Road Haulage in Port Hedland for transport to Intertek Minerals Laboratory in Perth WA for final analysis.</li> <li>All samples from RC drilling are submitted for Four Acid Multi-Element Analysis (4A/OE33), Fire Assay for Gold (FA/ICP-OES).</li> </ul>
<b>Drilling techniques</b>	<ul style="list-style-type: none"> <li>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).</li> </ul>	<ul style="list-style-type: none"> <li>Reverse Circulation drilling is being carried out by Orlando Drilling company using a track-mounted rig. In general, the material is recovered as pulverised and rock chip samples.</li> <li>All the holes are surveyed by the drilling supervisor/senior driller at regular intervals downhole, approximately 10 meters, using a Gyroscope survey instrument.</li> </ul>
<b>Drill sample recovery</b>	<ul style="list-style-type: none"> <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 style="list-style-type: none"> <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>
<b>Logging</b>	<ul style="list-style-type: none"> <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 style="list-style-type: none"> <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 1m individual samples in number-coded plastic chip trays and stored at the Company's site storage facility in Perth.</li> <li>Lithology description is also cross-checked, applying ioGas geochemical analysis over the multi-element data received from the laboratory.</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>

Criteria	JORC Code explanation	Commentary
<b>Sub-sampling techniques and sample preparation</b>	<ul style="list-style-type: none"> <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 technique.</li> <li>Quality control procedures adopted for all sub-sampling 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 style="list-style-type: none"> <li>Most RC samples were dry. Minor water ingress occurred during rod/bit changes however samples were generally dry once active drilling recommenced.</li> <li>Samples were collected at 1m 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 (RC).</li> <li>Sampling sheets were prepared and checked by Kairos' site geologists and field technicians to ensure correct sample representation.</li> <li>In RC drilling QAQC samples are included at the rates 1:25 as certified reference material (standard). Duplicate samples were collected, and blanks were also included.</li> <li>The QAQC samples will be analysed, and the results compared with the original sample to provide an assessment of the sampling procedures and laboratory results.</li> </ul>
<b>Quality of assay data and laboratory tests</b>	<ul style="list-style-type: none"> <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 style="list-style-type: none"> <li>Kairos RC drilling samples are submitted to Intertek laboratory in Perth for Four Acid Multi-Element Analysis ICP-OES (4A/OE33). The 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 an industry-standard for gold, and it is considered appropriate.</li> <li>Certified Reference Materials (CRM or standards) are inserted every 25th sample to assess the assaying accuracy of the external laboratories.</li> <li>No laboratory audits were undertaken.</li> </ul>
<b>Verification of sampling and assaying</b>	<ul style="list-style-type: none"> <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 style="list-style-type: none"> <li>Primary data (geological) was collected using previously defined standard codes and the information uploaded in Excel files 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>
<b>Location of data points</b>	<ul style="list-style-type: none"> <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 style="list-style-type: none"> <li>All location data are in MGA94 Zone 50 (GDA94).</li> <li>Kairos collars surveyed by handheld GPS with an accuracy of +/- 5m.</li> <li>All holes are in MGA94 Zone 50 (GDA94).</li> </ul>
<b>Data spacing and distribution</b>	<ul style="list-style-type: none"> <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</li> </ul>	<ul style="list-style-type: none"> <li>Minimal sample spacing for assay samples is 1m and maximum composite sample spacing is 4m.</li> </ul>

Criteria	JORC Code explanation	Commentary
	<p><i>grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i></p> <ul style="list-style-type: none"> <li>• <i>Whether sample compositing has been applied.</i></li> </ul>	<ul style="list-style-type: none"> <li>• In RC drilling at Mount York Project, the hole spacing varies according to the target and geological setting along section lines.</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>• RC holes are drilled at -60 deg and -55 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>
<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>• 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 weave sacks by Kairos' geological and field personnel.</li> <li>• All samples were delivered directly to the responsible laboratory or associated carrier by Kairos personnel before being transported to the laboratory in Perth WA for final analysis.</li> </ul>
<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 completed.</li> </ul>

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## 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>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.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Kairos Minerals owns the Tenements 100%.</li> <li>The Mount York Project has eleven granted Prospecting Licenses 45/2987 to 2989 and 45/2991 to 45/2998.</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>
<b>Exploration done by other parties</b>	<ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<ul style="list-style-type: none"> <li>In Mount York Project significant historical gold exploration including surface geochemical sampling, airborne and ground electromagnetic surveys, RAB, AC, RC, and DD drilling was already acknowledged in previous ASX announcements.</li> </ul>
<b>Geology</b>	<ul style="list-style-type: none"> <li>Deposit type, geological setting, and style of mineralisation.</li> </ul>	<ul style="list-style-type: none"> <li>Mount York Project is in the Strelley greenstone belt of Pilbara Craton. The local style indicates that the gold mineralisation is hosted mainly by the banded iron formation associated with quartz-veins and breccias.</li> </ul>
<b>Drill hole Information</b>	<ul style="list-style-type: none"> <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:             <ul style="list-style-type: none"> <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> </ul> </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>	<ul style="list-style-type: none"> <li>The coordinates and other attributes of the drill holes relevant to the work performed at Mt York Project is included in Table 2 at the end of the release.</li> </ul>



Criteria	JORC Code explanation	Commentary
<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 (e.g., 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>The result from the Mount York drilling program was reported with 0.5g/t cut-off for Au. With a maximum internal dilution of 16m.</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 (e.g., 'down hole length, true width not known').</i></li> </ul>	<ul style="list-style-type: none"> <li>All intercepts reported are measured in down-hole metres.</li> <li>All holes are oriented to provide intersections that are orthogonal to the respective targeted horizon.</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>Relevant diagrams have been reported in this document.</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 widths should be practiced avoiding misleading reporting of Exploration Results.</i></li> </ul>	<ul style="list-style-type: none"> <li>All relevant results for this stage have been reported.</li> </ul>
<b>Other substantive</b>	<ul style="list-style-type: none"> <li><i>Other exploration data, if meaningful and material, should be reported including</i></li> </ul>	<ul style="list-style-type: none"> <li>All relevant and meaningful data has been reported.</li> </ul>

Criteria	JORC Code explanation	Commentary
<b>Exploration data</b>	<ul style="list-style-type: none"> <li><i>(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>The qualitative analysis relies on <i>in situ</i> geological observations and correlation with local and regional previous results.</li> </ul>
<b>Further work</b>	<ul style="list-style-type: none"> <li><i>The nature and scale of planned further work (e.g., 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>Complete technical review of the Mt York Gold Project, understanding the relationship of the current drilling in respect to the existing resource model</li> <li>Review of the deposit in 3D software to better target high-grade plunging shoots for future drilling campaigns</li> <li>Resource estimation of the Mt York deposit with all additional drilling, geological and structural data</li> <li>Additional heritage surveys at Kangan, Wodgina and Skywell Projects.</li> </ul>