

4 July 2019

# Further outstanding results from underground drill program and infill sampling of historical drill core at King of the Hills

Exceptional new assay results include:

Composite results of 459m at 1.5g/t Au, 162m @ 3.0g/t Au and 174m at 2.3g/t Au; and Broad, high-grade zones of 37.0m @ 10.2g/t Au, 25.9m @ 7.4g/t Au and 3.0m at 57.7g/t Au

- Ongoing in-fill drilling continues to reinforce the continuity and tenor of stockwork development at the King of the Hills (KOTH) gold mine, supporting the potential for an open pit bulk mining opportunity while also strengthening the potential for bulk underground mining using long-hole stoping.
- Significant 'whole of hole' composite assay results\* received from 67 underground diamond drill-holes located within and outside of the current 3.1Moz Resource envelope, with best results (>1g/t Au) including:
  - o 374.7m @ 1.24g/t Au (KHRD0195)
  - o 213.0m @ 1.13g/t Au (KHRD0212)
  - o 87.1m @ 1.92g/t Au (KHRD0245)
  - o 459.0m @ 1.52g/t Au (KUGC0007)
  - o 389.1m @ 1.15g/t Au (KUGC0009)
  - o 309.1m @ 1.21g/t Au (KUGC0011)
  - o 162.0m @ 3.03g/t Au (KUGC0019)
  - 174.0m @ 2.32g/t Au (KUGC0021)

- o 55.0m @ 1.22g/t Au (KUGC0028)
- o 135.0m @ 1.33g/t Au (KUGC0030)
- o 74.9m @ 1.89g/t Au (KUGC0041)
- o 70.0m @ 1.80g/t Au (KUGC0042)
- o 130.0m @ 1.24g/t Au (KUGC0044)
- o 130.1m @ 1.30g/t Au (KUGC0045)
- o 130.4m @ 2.10g/t Au (KUGC0046)
- Underground resource development drilling at KOTH continues to deliver exceptional high-grade intercepts as well as wide zones of moderate to high grade mineralisation\*, with best results including:
  - o 3.0m @ 57.7g/t Au (KHRD0194)
  - o 37.0m @ 10.2g/t Au (KHRD0195)
  - o 20.3m @ 6.0g/t Au (KHRD0197)
  - o 25.9m @ 7.4g/t Au (KHRD0212)
  - o 11.1m @ 10.8g/t Au (KHRD0216)
  - o 21.8m @ 6.4g/t Au (KHRD0245)
  - 9.6m @ 12.4g/t Au (KUGC0007)
  - 14.2m @ 7.5q/t Au (KUGC0009)

- o 20.3m @ 6.0g/t Au (KUGC0019)
- o 25.9m @ 7.4g/t Au (KUGC0019)
- 11.1m @ 10.8q/t Au (KUGC0021)
- o 3.8m @ 32.8g/t Au (KUGC0021)
- o 12.6m @ 8.2g/t Au (KUGC0029)
- o 0.7m @ 199g/t Au (KUGC0030)
- 12.6m @ 7.6g/t Au (KUGC0041)
- o 12.9m @ 14.9g/t Au (KUGC0046)
- Ongoing sampling and assaying of previously unsampled historical drill core continues to return outstanding assay results. More than 20,000 metres of prospective but unassayed historical core remains to be sampled.
- Best results\* from sampling of unassayed historical drill core from the Eastern Flanks area of the KOTH deposit, and within the current 3.1Moz Resource envelope, include:
  - o 10.6m @ 1.3g/t Au (KUD00006)
  - o 2.1m @ 14.2/t Au (KUD00015)
  - o 2.2m @ 18.8/t Au (KUD00059)
  - o 1.0m @ 15.7/t Au (KUD00168)

- o 8.8m @ 4.9g/t Au (KUD00183)
- o 0.8m @ 31.7g/t Au (KUD00183)
- o 2.6m @ 66.0g/t Au (KUD00239)
- o 8.0m @ 1.8g/t Au (KUD00399)

<sup>\*</sup> Note: No top-cut applied. Refer to Appendix 1, Tables 1, 2 and 3 for summary information, drill-hole collar locations, orientations, significant assays (including individual high-grade assays ≥10g/t Au), and reporting parameters used. Intercept lengths are reported as 'down-hole' lengths, not true widths.



Red 5 Limited ("Red 5" or "the Company") (ASX: RED) is pleased to report further outstanding assay results from the 30,000m underground diamond drill program at the King of the Hills (KOTH) gold mine, located in the Eastern Goldfields region of Western Australia.

The latest results continue to support and add to the emerging bulk mining opportunities at KOTH, both for a potential bulk open pit mining opportunity and for continued bulk underground mining utilising long-hole stoping.

Latest results from the sampling of un-sampled historical drill core, received since the last announcement of 8 November 2018, also continue to add to the bulk mining story. All unassayed intervals of core were assigned zero grade within the current KOTH Resource model, however the ongoing return of assay results above cut-off grade demonstrates that many of these previously un-assayed lengths of core contain significant mineralisation, with the ability to add further contained gold to the already substantial 3.1Moz gold resource base.

#### 30,000M DIAMOND DRILL PROGRAM - RESULTS FROM RECENT IN-FILL DRILLING

Red 5 commenced an underground drilling program in the December Quarter 2018 which has been extended with the intention of continuing to add to the recently upgraded 3.1Moz bulk resource at KOTH, reported on 20 May 2019.

The 96 KHRD series holes reported in this announcement are from in-fill diamond drilling targeting mineralisation extending outwards from the current resource model, while the KUGC series, also reported in this announcement, targeted the strike extent of mineralisation within the damage zone, to the north, west, and beneath the Lemonwood bulk stope area.

Broad zones of mineralisation have been intersected. Significantly many holes returning 'whole of hole' average grades of >1.0g/t Au, adding further impetus to the current evaluation being carried out on the open pit bulk mining opportunity.

Best "whole of hole1" results include:

- o 374.7m @ 1.24g/t Au (KHRD0195)
- o 213.0m @ 1.13g/t Au (KHRD0212)
- o 87.1m @ 1.92g/t Au (KHRD0245)
- o 459.0m @ 1.52g/t Au (KUGC0007)
- o 389.1m @ 1.15g/t Au (KUGC0009)
- o 309.1m @ 1.21g/t Au (KUGC0011)
- o 162.0m @ 3.03g/t Au (KUGC0019)
- o 174.0m @ 2.32g/t Au (KUGC0021)

- o 55.0m @ 1.22g/t Au (KUGC0028)
- o 135.0m @ 1.33g/t Au (KUGC0030)
- o 74.9m @ 1.89g/t Au (KUGC0041)
- o 70.0m @ 1.80g/t Au (KUGC0042)
- o 130.0m @ 1.24g/t Au (KUGC0044)
- o 130.1m @ 1.30g/t Au (KUGC0045)
- o 130.4m @ 2.10g/t Au (KUGC0046)

Significant 'bulk' and individual high-grade intercepts continue to be delivered from this program targeting mineralisation along strike from and beneath the Lemonwood bulk stope mineralisation.

Entire drill hole composited. Refer to Appendix 1, Table 1 for complete list of significant intercepts, and summary information, drill-hole collar locations, orientations, significant assays (including individual high-grade assays ≥10g/t Au), and reporting parameters used. Intercept lengths are reported as 'down-hole' lengths, not true widths.



These results validate the potential to continue with bulk underground stoping methods, with highlights including<sup>2</sup>:

0 3	3.0m @ 57.7g/t Au (KHRD0194)
0 3	37.0m @ 10.2g/t Au (KHRD0195)
0 2	20.3m @ 6.0g/t Au (KHRD0197)
0 2	25.9m @ 7.4g/t Au (KHRD0212)
0 1	11.1m @ 10.8g/t Au (KHRD0216)
0 2	21.8m @ 6.4g/t Au (KHRD0245)
0 9	9.6m @ 12.4g/t Au (KUGC0007)
0 1	14.2m @ 7.5g/t Au (KUGC0009)

o 25.9m @ 7.4g/t Au (KUGC0019)

o 11.1m @ 10.8g/t Au (KUGC0021)

o 3.8m @ 32.8g/t Au (KUGC0021)

o 12.6m @ 8.2g/t Au (KUGC0029)

o 0.7m @ 199g/t Au (KUGC0030)

o 12.6m @ 7.6g/t Au (KUGC0041)

o 12.9m @ 14.9g/t Au (KUGC0046)

#### SAMPLING OF UNASSAYED HISTORICAL DRILL CORE

Outstanding results continue to be received from the ongoing assaying of previously un-sampled historical drill core announced on 19 December 2018. More than 20,000 metres of prospective but unassayed historical core remains to be sampled.

Since the previous announcement on 19 December 2018, best results<sup>3</sup> from sampling of unassayed historical drill core from the Eastern Flanks area of the KOTH deposit, and within the current 3.1Moz Resource envelope, include:

o 10.6m @ 1.3g/t Au (KUD00006)

o 2.1m @ 14.2/t Au (KUD00015)

o 2.2m @ 18.8/t Au (KUD00059)

o 1.0m @ 15.7/t Au (KUD00168)

o 8.8m @ 4.9g/t Au (KUD00183)

o 0.8m @ 31.7g/t Au (KUD00183)

o 2.6m @ 66.0/t Au (KUD00239)

o 8.0m @ 1.8g/t Au (KUD00399)

o 20.3m @ 6.0g/t Au (KUGC0019)

No top-cut applied. Refer to Appendix 1, Table 2 for complete list of significant intercepts, and summary information, drill-hole collar locations, orientations, significant assays (including individual high-grade assays ≥10g/t Au), and reporting parameters used. Intercept lengths are reported as 'down-hole' lengths, not true widths.

Note: No top-cut applied. Refer to Appendix 1, Table 3 for complete list of significant intercepts, and summary information, drill-hole collar locations, orientations, significant assays (including individual high-grade assays ≥10g/t Au), and reporting parameters used. Intercept lengths are reported as 'down-hole' lengths, not true widths.



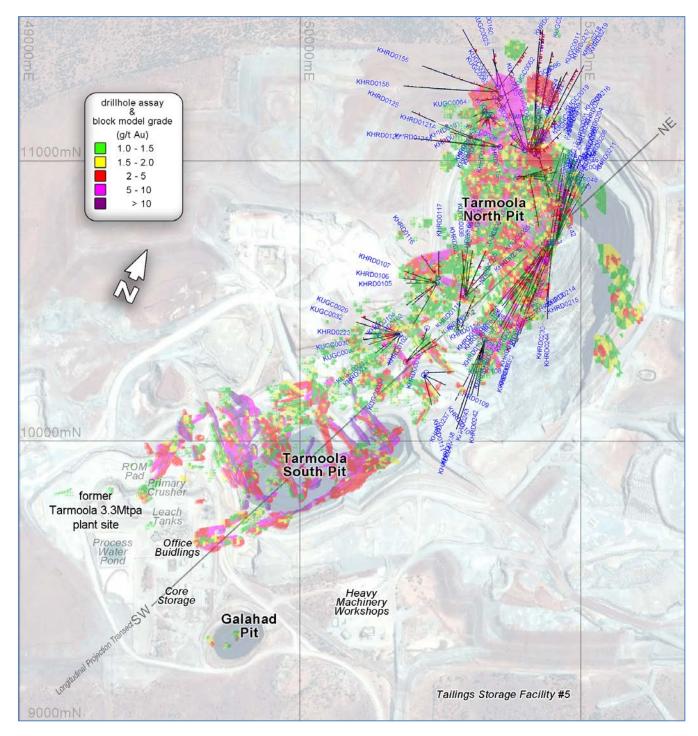


Figure 1: Schematic plan projection view of KOTH Resource model, Tarmoola open pit and surface infrastructure, showing location of previously un-sampled historical diamond drillholes (KUD prefix), and recent diamond drillholes (KHRD & KUGC prefix), the results of which are included in this report.



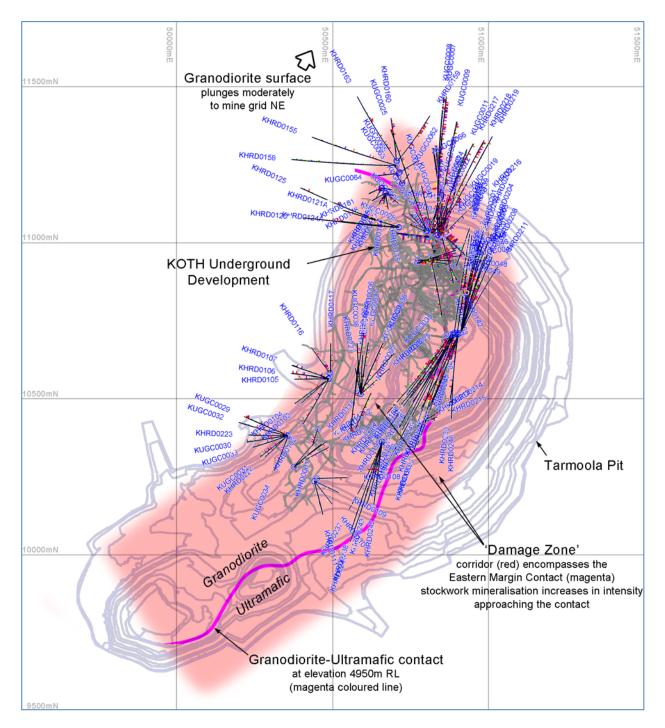


Figure 2: Schematic plan projection view of KOTH Resource model, Tarmoola open pit and underground development, showing location of previously un-sampled historical diamond drillholes (KUD prefix), and recent diamond drillholes (KHRD & KUGC prefix), the results of which are included in this report.



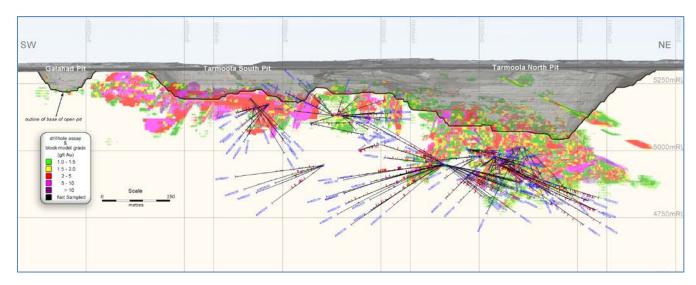


Figure 3: Longitudinal Projection of KOTH deposit and Tarmoola open pit, looking orthogonal to strike, showing location of previously un-sampled historical diamond drillholes (KUD prefix), and recent diamond drillholes (KHRD & KUGC prefix), the results of which are included in this report.

DRILL-HOLES KUGC0007 TO KUGC0066 – TARGETING VERY EXCITING UNDERGROUND POTENTIAL TO NORTH In-fill drill holes KUGC0007 – KUGC00066 were part of a program designed to validate the resource model and increase the confidence of potential Bulk Stoping areas along the 4920mRL (i.e. 380m below surface).

These holes were drilled from the W4975 and W4952 levels and were extended to test for mineralisation down-plunge to the north, proximal to the granodiorite-ultramafic contact.

Drill holes KUGC0007 and KUGC0009 were oriented sub-parallel to the granodiorite-ultramafic contact and demonstrate that a strong continuity of mineralisation exists down-plunge to the north of current mining areas down to the 4515mRL (EOH, 100m vertical from currently developing W4920 level).

The majority of the drill core proximal to the "damage zone" along the contact is typified by strong sericite+pyrite+albite alteration and frequent quartz-carbonate-pyrite veinlets (stockwork veining) and regular strongly laminated quartz-carbonate+/-pyrite±sphalerite±galena±coarse gold.

The drill core photos in Figures 4 and 5 show a typical appearance of the high-grade laminated veins and surrounding veinlet stockworks and strong alteration assemblages within the "damage zone" of the granodiorite (gold assays are annotated on the drill core photographs for sampling intervals bounded by the magenta coloured markings).

Assay results for several holes within this series are yet to be received and will be reported when available.





Figure 4: Diamond drill core – KUGC0007 from 197.2m to 205.9m. Veins, veinlets and micro-veins visible throughout the drill core.

#### DRILL-HOLES KHRD0172 TO KHRD0253 - TARGETING AREAS SOUTH OF AND AROUND LEMONWOOD

Drill-holes KHRD0172-253 targeted the area beneath the Lemonwood bulk stope and to the south of the current mining level, W4920. These drill holes were designed to test for mineralisation along the +140m wide "damage zone" associated with the granodiorite-ultramafic contact down to the 4800mRL.

Drill holes KHRD0172 and KHRD0212 show strong mineralisation exists proximal to the contact with mineralisation associated with intense sericite+pyrite+albite alteration and frequent quartz-carbonate-pyrite veinlets (stockwork veining).

Assay results for several holes within this series are yet to be received and will be reported when available.





Diamond drill core – KHRD0212 from 104.65m to 113.45m. Veins, veinlets and micro-veins visible throughout the drill core.

#### **MANAGEMENT COMMENT**

Red 5 Managing Director, Mark Williams, said the latest results provide additional support for the Company's potential plans to develop KOTH as a stand-alone bulk mining and processing operation.

"We continue to see exceptional results across both our underground drilling programs and the assaying of historical core providing further support for the potential development of a large-scale bulk mining operation," he said.

"We are well advanced with the completion of a Pre-Feasibility Study for a bulk open pit mine development and a stand-alone processing operation at KOTH, based on the current 3.1-million-ounce Mineral Resource inventory announced on 20 May 2019, with the PFS scheduled for delivery in the September 2019 Quarter.

"These latest results indicate a real potential to expand the KOTH Resource base further."

# **ENDS**

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### **Competent Person's Statements**

#### **Exploration Results**

Mr Byron Dumpleton, confirms that he is the Competent Person for the recent and historic Exploration Results summarised in this report and Mr Dumpleton has read and understood the requirements of the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code, 2012 Edition). Mr Dumpleton is a Competent Person as defined by the JORC Code, 2012 Edition, having five years' experience that is relevant to the style of mineralisation and type of deposit described in this report and to the activity for which he is accepting responsibility. Mr Dumpleton is a Member of the Australian Institute of Geoscientists, No. 1598. Mr Dumpleton is a full time employee of Red 5 Limited. Mr Dumpleton has reviewed this report and consents to the inclusion of the matters based on his supporting information in the form and context in which it appears.

#### **JORC 2012 Mineral Resource and Ore Reserves**

Red 5 confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons findings are presented have not been materially modified from the original market announcements.

#### **Forward-Looking Statements**

Certain statements made during or in connection with this statement contain or comprise certain forward-looking statements regarding Red 5's Mineral Resources and Reserves, exploration operations, project development operations, production rates, life of mine, projected cash flow, capital expenditure, operating costs and other economic performance and financial condition as well as general market outlook. Although Red 5 believes that the expectations reflected in such forward-looking statements are reasonable, such expectations are only predictions and are subject to inherent risks and uncertainties which could cause actual values, results, performance or achievements to differ materially from those expressed, implied or projected in any forward looking statements and no assurance can be given that such expectations will prove to have been correct. Accordingly, results could differ materially from those set out in the forward-looking statements as a result of, among other factors, changes in economic and market conditions, delays or changes in project development, success of business and operating initiatives, changes in the regulatory environment and other government actions, fluctuations in metals prices and exchange rates and business and operational risk management. Except for statutory liability which cannot be excluded, each of Red 5, its officers, employees and advisors expressly disclaim any responsibility for the accuracy or completeness of the material contained in this statement and excludes all liability whatsoever (including in negligence) for any loss or damage which may be suffered by any person as a consequence of any information in this statement or any error or omission. Red 5 undertakes no obligation to update publicly or release any revisions to these forward-looking statements to reflect events or circumstances after today's date or to reflect the occurrence of unanticipated events other than required by the Corporations Act and ASX Listing Rules. Accordingly, you should not place undue reliance on any forward-looking statement.



# **APPENDIX 1**

# KING OF THE HILLS GOLD MINE

# Significant average grades from current 30,000m Underground Drilling Program for drillholes which average >1g/t Au over entire length of hole

Table 1 Whole-Hole Average Grade for holes averaging >1.0 g/t Au, received since last reporting on 13 March 2019

Hole_ID	East	North	RL	Depth	Azim	Dip	From	Length	Au_ppm
KHRD0195	50889.2	10705.3	4949.7	374.7	215.9	-29.9	0.0	374.7	1.24
KHRD0212	50910.5	10711.3	4951.0	213.0	9.0	-21.7	0.0	213.0	1.13
KHRD0245	50902.4	10705.2	4952.6	87.1	196.1	24.1	0.0	87.1	1.92
KUGC0007	50836.4	11023.9	4954.2	460.0	359.2	-14.1	0.0	459.0	1.52
KUGC0009	50836.5	11023.8	4954.1	390.0	6.8	-19.1	0.0	389.1	1.15
KUGC0011	50836.6	11023.8	4954.1	309.1	15.5	-20.6	0.0	309.1	1.21
KUGC0019	50816.6	11029.2	4978.8	162.0	37.8	-24.8	0.0	162.0	3.03
KUGC0021	50816.5	11029.4	4978.7	174.0	10.5	-29.3	0.0	174.0	2.32
KUGC0028	50798.5	11035.8	4979.2	55.0	293.0	0.8	0.0	55.0	1.22
KUGC0030	50356.3	10382.1	5159.2	135.0	260.9	-10.8	0.0	135.0	1.33
KUGC0041	50848.5	11023.0	4955.5	74.9	343.9	15.7	0.0	74.9	1.89
KUGC0042	50848.6	11023.0	4955.5	70.0	0.1	9.9	0.0	70.0	1.80
KUGC0044	50770.2	10934.4	5004.8	130.0	70.9	-1.3	0.0	130.0	1.24
KUGC0045	50770.1	10934.5	5004.7	130.1	71.2	-7.9	0.0	130.1	1.30
KUGC0046	50770.3	10934.4	5004.9	130.4	73.8	-4.8	0.0	130.4	2.10

#### Reporting parameters:

- 1. No high cut applied
- 2. Collar coordinates and orientation given in Mine Grid

# Significant Assays from current 30,000m Underground Drilling Program - KHRD series

Table 2 Significant intercepts received since last reporting of underground resource drilling (30 January 2019)

Drill hole ID	East	North	RL	Depth	Azim	Dip	From	Length	Au_ppm
KHRD0001	50452.2	10403.6	5146.6	70.10	197.0	36.7	46.80	10.05	1.47
						includes	46.80	0.35	27.70
KHRD0006	50557.3	10396.8	5095.9	324.30	5.6	13.0	0.00	12.00	7.38
						includes	0.00	1.00	49.90
							1.00	1.00	21.40
							2.00	0.40	23.20
							312.00	7.00	3.28
KHRD0102	50488.0	10563.7	5121.9	185.00	208.0	25.7	62.39	6.56	3.94
						includes	62.39	0.32	30.80
						includes	63.40	0.20	10.20
						includes	64.93	0.20	54.50
							117.01	1.69	8.55
						includes	117.01	0.25	54.50



Drill hole ID	East	North	RL	Depth	Azim	Dip	From	Length	Au_ppm
KHRD0106	50487.0	10564.7	5121.5	125.07	278.2	16.7	81.26	6.40	2.16
						includes	82.20	0.40	12.60
						includes	82.60	0.20	11.30
						includes	86.80	0.25	12.75
KHRD0107	50486.5	10565.0	5122.0	139.15	290.0	28.2	26.55	1.34	9.04
						includes	26.80	0.40	28.00
						-	101.70	1.84	8.39
						includes	102.50	1.04	14.55
						-	120.75	0.25	103.50
KHRD0116	50489.7	10582.5	5122.6	116.00	323.1	31.8	22.00	18.00	7.60
						=	83.00	2.00	9.15
KHRD0125	50713.4	11049.0	4979.0	348.40	286.9	-11.5	107.00	6.00	1.36
						-	207.00	9.00	3.19
						includes	208.70	0.71	14.75
						includes	209.41	0.59	14.85
KHRD0155	50705.5	11247.5	5011.3	366.00	286.1	-36.1	222.40	1.46	12.32
						includes	222.40	0.26	66.00
KHRD0159	50706.8	11261.5	5011.2	255.00	39.0	-37.1	76.00	3.32	8.51
	307 3013		0011.1		33.0	includes	77.59	0.35	70.10
							159.00	15.88	2.04
						includes	164.41	0.25	17.00
							190.00	17.00	3.45
						includes	197.00	0.26	13.00
						includes	200.12	0.38	61.10
						includes	200.50	0.20	73.70
						includes	200.70	0.30	13.40
KHRD0163	50704.2	11262.6	5011.0	291.00	326.5	-28.9	181.00	6.00	2.23
	3070		5522.5		020.0	includes	185.40	0.32	10.50
KHRD0187	50878.9	10705.2	4950.9	300.00	202.5	-4.2	32.00	6.40	1.66
							138.00	15.92	7.10
						includes	142.75	0.95	11.70
						includes	148.50	0.63	41.30
						includes	149.13	0.23	24.40
						includes	149.36	0.30	38.60
						includes	149.66	0.74	16.10
						includes	151.25	0.33	28.20
							214.66	16.34	2.05
						includes	225.89	0.81	14.05
KHRD0188	50878.7	10705.2	4950.9	246.00	215.3	-12.1	25.00	6.00	3.51
KINDOIGO	30070.7	10703.2	4550.5	240.00	213.3	includes	27.00	1.00	12.60
							63.00	9.30	1.89
							76.94	14.06	1.45
						includes	80.92	0.28	50.80
							109.00	9.00	4.11
						includes	116.00	1.00	10.25
						includes	117.00	1.00	18.40
KHRD0189	50878.6	10705.1	4950.7	351.00	215.6	-21.1	112.50	9.66	1.73
	33070.0	10/03.1	<del>-</del> 330.7	331.00	213.0	includes	120.20	0.35	15.15
						HICIAGES	127.42	16.48	1.75
							127.42	10.46	1./3



KHRD0191         50885.5         10705.6         4951.0         357.50         209.8         -12.8         34.53         0           KHRD0192         50885.4         10705.6         4950.7         399.00         213.2         -21.1         74.09         2           KHRD0194         50889.3         10705.2         4950.1         426.30         207.1         -12.6         36.00         3           KHRD0195         50889.2         10705.3         4949.7         374.70         215.9         -29.9         34.00         6           KHRD0196         50893.9         10705.3         4950.0         293.00         212.7         -30.0         114.00         2           KHRD0196         50893.9         10705.3         4950.0         293.00         212.7         -30.0         114.00         2           KHRD0197         50889.5         10711.0         4951.1         327.00         8.6         -8.7         141.66         266.00         3	0.20     381.00       1.60     17.32       0.93     24.50       2.30     13.16       0.67     35.80       6.17     13.82       0.24     131.00	18.00								
KHRD0192   50885.4   10705.6   4950.7   399.00   213.2   -21.1   74.09   215.9   160.81   1	1.60     17.32       0.93     24.50       2.30     13.16       0.67     35.80       6.17     13.82       0.24     131.00		207.00	-4.0	200.1	393.00	4951.3	10705.7	50885.5	KHRD0190
KHRD0192         50885.4         10705.6         4950.7         399.00         213.2         -21.1         74.09         2.2           KHRD0194         50889.3         10705.2         4950.1         426.30         207.1         -12.6         36.00	0.93     24.50       2.30     13.16       0.67     35.80       6.17     13.82       0.24     131.00	0.20	34.53	-12.8	209.8	357.50	4951.0	10705.6	50885.5	KHRD0191
KHRD0192         50885.4         10705.6         4950.7         399.00         213.2         -21.1         74.09         2.35.2         159.83         6         159.83         6         159.83         6         159.83         6         159.83         6         159.83         6         159.83         6         159.83         6         159.83         6         159.83         6         159.83         6         159.83         6         159.83         6         159.83         6         159.83         6         159.83         6         159.83         6         6         159.83         6         6         159.83         6         6         159.83         6         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7	2.30     13.16       0.67     35.80       6.17     13.82       0.24     131.00	1.60	51.00							
KHRD0194   50889.3   10705.2   4950.1   426.30   207.1   -12.6   36.00   36.00   includes   includes   37.00   includes   includes   includes   includes   includes   includes   includes   includes   in	0.67     35.80       6.17     13.82       0.24     131.00	0.93	51.00	includes						
KHRD0194   50889.3   10705.2   4950.1   426.30   207.1   -12.6   36.00   36.00   37.00   374.70   215.9   -29.9   34.00   66.81   37.00   38.83   88.83   38	6.17     13.82       0.24     131.00	2.30	74.09	-21.1	213.2	399.00	4950.7	10705.6	50885.4	KHRD0192
KHRD0194   50889.3   10705.2   4950.1   426.30   207.1   -12.6   36.00   36.00   36.00   36.00   37.	0.24 131.00	0.67	75.72	includes						
KHRD0194   50889.3   10705.2   4950.1   426.30   207.1   -12.6   36.00   36.00   includes   37.00   includes   36.00   includes   37.00   includes   35.00   includes   35.00   includes   36.00   includes   35.00   includes   36.00   includes   36.00   includes   35.00   includes   106.06   includes   106.06   includes   106.06   includes   106.07   includes   107.06   includes   107.06   includes   107.06   includes   112.77   in		6.17	159.83							
KHRD0194         50889.3         10705.2         4950.1         426.30         207.1         -12.6         36.00	0.00 40.00	0.24	160.81	includes						
KHRD0194 50889.3 10705.2 4950.1 426.30 207.1 -12.6 36.00 36.00 includes 37.00	0.80 16.80	0.80	163.70	includes						
KHRD0195 50889.2 10705.3 4949.7 374.70 215.9 -29.9 34.00 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0.80 31.60	0.80	164.50	includes						
KHRD0195 50889.2 10705.3 4949.7 374.70 215.9 -29.9 34.00 6 35.00 83.83 8 includes 35.00 83.83 8 includes 36.00 106.06 includes 106.06 includes 106.06 includes 106.77 includes 107.06 includes 112.77 includes 112.77 includes 112.77 includes 112.77 114.00 125.70 includes 112.77 114.00 125.70 includes 112.77 114.00 125.70 includes 112.77 114.00 125.70 includes 112.77 1154.00 105.74	3.00 57.69	3.00	36.00	-12.6	207.1	426.30	4950.1	10705.2	50889.3	KHRD0194
KHRD0195	1.00 19.30	1.00	36.00	includes						
Includes   35.00   83.83   8   83.83   8   103.00   37   100.00   37   100.00   37   100.00	1.00 152.00	1.00	37.00	includes						
Region   R	6.00 4.08	6.00	34.00	-29.9	215.9	374.70	4949.7	10705.3	50889.2	KHRD0195
Includes	1.00 17.25	1.00	35.00	includes						
March   Marc	8.17 2.77	8.17	83.83							
Includes   106.06   106.41   106.41   106.41   106.41   106.41   106.41   106.41   106.41   106.41   106.41   106.41   106.45   106.77   106.46   107.06   106.46   112.77   106.46   112.77   106.46   112.77   106.46   112.77   106.46   112.77   106.46   114.00   114.00   1151.70   106.46   114.00   1151.70   106.46   114.00   1151.70   106.46   114.00   1151.70   106.46   114.00   1151.70   106.46   114.00   1151.70   106.46   114.00   1151.70   106.46   114.00   1151.70   106.46   114.00   114.00   1151.70   106.46   114.00   114.00   1151.70   114.00   114.00   1151.70   114.00   114.00   1151.70   114.00   1151.70   114.00   1151.70   114.00   1151.70   114.00   1151.70   114.00   1151.70   114.00   1151.70   11	1.02 10.35	1.02	83.83	includes						
KHRD0196   S0893.9   10705.3   4950.0   293.00   212.7   -30.0   114.00   246.00   559.42   166.00   559.42   266.00   550.00   50893.5   10711.0   4951.1   327.00   8.6   -8.7   141.66   200.00   20	7.00 10.23	37.00	103.00							
KHRD0196   50893.9   10705.3   4950.0   293.00   212.7   -30.0   114.00   151.70   156.74   156.74   166.00   160.00	0.35 179.50	0.35	106.06	includes						
KHRD0196 50893.9 10705.3 4950.0 293.00 212.7 -30.0 114.00 20 20 20 20 20 20 20 20 20 20 20 20 2	0.36 222.00	0.36	106.41	includes						
KHRD0196 50893.9 10705.3 4950.0 293.00 212.7 -30.0 114.00 2 151.70 9 154.00 1 156.74 0 166.00 9 166.00	0.29 334.00									
KHRD0196 50893.9 10705.3 4950.0 293.00 212.7 -30.0 114.00 2 151.70 9 154.00 1 156.74 0 1 156.74 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.54 38.90	0.54	107.06	includes						
includes 114.00 151.70 9 154.00 0 156.74 0 156.7	0.91 87.10	0.91		includes						
includes 114.00 151.70 9 154.00 0 156.74 0 156.7	2.00 15.21	2.00	114.00	-30.0	212.7	293.00	4950.0	10705.3	50893.9	KHRD0196
154.00   0   156.74   0   246.00   5   159.42   0   160.00   150	1.00 25.40	1.00	114.00	includes						
156.74   0   246.00   5   156.74   0   246.00   5   1   1   1   1   1   1   1   1   1	9.30 3.41	9.30	151.70							
Control   Cont	0.34 17.50	0.34	154.00							
Includes   246.00	0.26 42.40	0.26	156.74							
Control   Cont	5.00 3.14	5.00	246.00							
Control   Cont	1.00 12.35	1.00	246.00	includes						
Compare		0.58								
KHRD0197         50889.5         10711.0         4951.1         327.00         8.6         -8.7         141.66         20	0.21 197.00	0.21	259.42	includes						
KHRD0197         50889.5         10711.0         4951.1         327.00         8.6         -8.7         141.66         20	5.00 2.62	5.00	266.00							
	1.00 11.50		267.00	includes						
	0.34 5.97	20.34	141.66	-8.7	8.6	327.00	4951.1	10711.0	50889.5	KHRD0197
	0.20 89.90	0.20	144.34	includes						
includes 149.60	0.20 40.70	0.20	149.60	includes						
includes 150.03	0.38 75.60	0.38	150.03	includes						
includes 150.41	0.46 79.50	0.46	150.41	includes						
	<u> </u>	15.94								
		0.43								
		8.97								
	0.54 14.30			includes						
	0.96 19.80									
	+	23.35			8.7	180.00	4950.5	10711.1	50899.3	KHRD0199
	0.35 22.50						2			
		0.25								
	J.2J 10.00	0.36								
		0.41								



Drill hole ID	East	North	RL	Depth	Azim	Dip	From	Length	Au_ppm
							174.05	5.95	2.06
						includes	178.70	0.20	40.80
KHRD0200	50899.4	10711.3	4950.5	194.30	8.6	-32.9	93.00	11.00	3.84
						includes	100.64	0.21	41.00
						includes	101.80	0.60	25.60
						includes	102.75	0.25	10.30
						-	113.80	10.20	1.67
						includes	113.80	0.63	16.20
KHRD0203	50910.4	10711.4	4951.1	399.00	8.3	-14.4	122.00	0.50	44.20
						-	128.34	7.19	1.23
KHRD0207	50910.6	10711.4	4951.0	249.00	16.1	-21.5	148.10	5.90	2.89
20207	30020.0	2072211	.552.5			includes	153.00	0.28	52.90
KHRD0208	50910.8	10711.4	4950.9	290.00	21.4	-21.3	125.70	16.30	2.62
KIIKBOZOO	30310.0	10/11.4	4550.5	230.00	21.4	includes	136.60	0.70	21.70
KHRD0209	50910.4	10711.4	4950.6	186.50	10.5	-32.7	95.13	16.27	2.05
KIIKDOZOS	30310.4	10/11.4	4930.0	180.50	10.5	includes	95.85	0.33	32.20
						-			
KUDD0340	F0010 C	10711 2	40F0 C	201.00	10.0	includes	103.93	0.24	14.85
KHRD0210	50910.6	10711.3	4950.6	201.00	18.9	-32.3	195.00	3.24	4.73
KUDD0344	50040.0	40744.2	4050.0	204.00	27.0	includes	196.00	1.00	13.95
KHRD0211	50910.8	10711.3	4950.8	291.00	27.9	-30.8	193.91	0.46	38.10
KHRD0212	50910.5	10711.3	4951.0	213.00	9.0	-21.7	100.97	25.94	7.35
						includes	100.97	0.20	226.00
						includes	101.17	0.37	12.20
						includes	103.85	0.47	13.40
						includes	105.63	0.22	18.10
						includes	109.05	0.24	196.50
						includes	114.00	1.00	24.00
						includes	115.00	1.00	10.10
						includes	121.09	0.31	13.45
						includes	126.51	0.20	110.00
							141.00	7.60	2.37
						includes	147.26	0.42	12.45
KHRD0214	50778.8	10419.7	5002.1	71.00	57.7	15.9	56.68	13.32	3.01
						includes	63.14	0.36	89.60
KHRD0215	50778.9	10419.7	5002.1	62.00	68.1	17.7	1.38	4.62	3.14
							47.95	5.13	2.62
						includes	50.00	1.00	10.80
KHRD0216	50863.0	11034.0	4953.9	192.00	45.1	-32.9	3.36	6.64	1.37
						includes	6.20	0.20	11.30
						=	19.94	11.11	10.76
						includes	19.94	0.56	178.00
						includes	28.42	0.20	31.70
						includes	30.85	0.20	46.90
							62.84	0.59	30.00
						includes	62.84	0.35	49.30
							86.80	0.55	31.70
KHRD0217	50837.2	11023.4	4953.9	377.84	15.6	-31.9	57.18	13.15	3.13
	33037.2	11023.7	.555.5	377.04	13.0	includes	60.13	0.25	24.80
							68.45	0.23	
	j					includes	08.45	0.22	86.70



Drill hole ID	East	North	RL	Depth	Azim	Dip	From	Length	Au_ppm
							101.00	8.59	1.43
						-	236.00	7.47	2.46
						includes	241.00	1.00	10.10
KHRD0218	50837.4	11023.3	4953.9	372.07	23.4	-22.9	20.28	7.74	1.75
						includes	20.28	0.21	48.00
						-	39.00	24.26	1.70
						includes .	46.35	1.04	23.20
						-	71.45	1.55	55.57
						includes .	71.45	0.70	122.00
							90.53	9.47	4.70
						includes	90.53	0.69	44.50
						includes	93.44	0.22	11.85
						includes	94.57	0.22	29.30
						includes	120.00	5.00	2.54
						-	145.00	13.00	2.37
						includes	149.79	0.21	91.60
						includes			
						includes	156.77	0.26	11.25
						to almata.	195.00	5.00	3.27
						includes	199.00	1.00	12.25
						-	321.00	9.88	1.26
							361.00	4.83	3.38
						includes	365.54	0.29	32.30
KHRD0219	50837.3	11023.4	4953.8	413.90	28.6	-28.2	20.21	1.96	8.83
						includes	20.21	0.25	63.40
						_	53.55	0.45	61.40
							65.00	6.14	6.65
						includes	66.86	0.89	41.40
							80.66	0.87	28.51
						includes	80.66	0.43	52.60
							153.53	3.26	13.93
						includes	153.53	0.31	44.10
						includes	156.20	0.59	52.00
KHRD0226	50589.6	10515.3	5121.4	100.05	47.6	-27.6	43.00	0.20	106.00
KHRD0230	50898.9	10705.3	4950.1	293.83	185.5	-29.7	196.43	2.99	9.62
						includes	197.76	0.24	108.50
KHRD0237	50658.7	10362.4	4949.2	259.30	201.8	-22.2	41.03	6.97	1.42
KHRD0238	50658.7	10362.4	4949.7	310.40	199.1	-14.3	96.00	5.00	3.15
KHRD0242	50658.9	10362.4	4949.7	212.00	188.0	-15.8	91.90	12.10	4.26
						includes	95.00	0.86	36.70
KHRD0243	50658.8	10362.4	4949.2	241.40	190.0	-32.7	96.92	18.08	1.81
KHRD0244	50902.4	10705.2	4952.8	299.90	188.2	29.4	94.00	7.00	1.36
KHRD0245	50902.4	10705.2	4952.6	87.12	196.1	24.1	58.94	0.98	13.37
						includes	58.94	0.20	21.50
						includes	59.67	0.25	34.50
							64.16	21.84	6.41
						includes	66.00	0.77	12.25
						includes	69.82	0.87	34.60
						includes	76.85	0.60	43.70
						includes	81.94	0.00	88.60
						includes	01.74	0.48	00.00



Drill hole ID	East	North	RL	Depth	Azim	Dip	From	Length	Au_ppm
KHRD0246	50902.0	10705.2	4951.9	259.46	200.0	17.7	51.75	3.95	3.35
						includes	51.75	0.56	15.65
							72.56	19.44	3.08
						includes	75.95	0.70	11.20
						includes	76.65	0.73	10.20
						includes	80.25	0.49	37.40
KHRD0248	50902.2	10705.1	4951.6	225.00	200.3	8.0	113.42	7.80	1.74
							169.45	7.55	2.07
KHRD0249	50902.4	10705.2	4952.7	299.80	205.0	28.1	22.69	8.31	2.38
						includes	25.76	0.72	20.90
							36.00	3.00	18.48
						includes	37.00	1.00	54.80
							44.00	8.10	1.66
						includes	45.15	0.39	21.70
							119.00	7.99	1.60
							183.00	7.30	1.83
KHRD0253	50851.4	11014.9	4921.8	149.75	165.0	-4.7	2.81	2.19	7.80

### Reporting parameters:

- 1. 0.3g/t Au low cut
- 2. No high cut applied
- 3. Max 4m consecutive intervals of sub-grade (<0.3 g/t Au) material included
- 4. Minimum reporting length of 6 metres and grade of 1.2 g/t Au, or minimum contained gold >12 gram\*metres accumulation
- 5. Individual high grade (>10g/t Au) assay intervals reported separately
- 6. Collar coordinates and orientation given in Mine Grid

# Significant Assays from current 30,000m Underground Drilling Program - KUGC series

Table 3 Significant intercepts received since last reporting of in-mine drilling (13 March 2019)

Drill hole ID	East	North	RL	Depth	Azim	Dip	From	Length	Au_ppm
KUGC0007	50836.4	11023.9	4954.2	460.0	359.2	-14.1	0.00	6.00	1.38
						includes	3.83	0.22	16.55
							57.61	7.97	1.22
						includes	57.96	0.50	13.55
							88.58	7.42	3.30
						includes	88.58	0.20	78.40
							137.73	10.27	2.26
						includes	137.73	0.20	11.45
						includes	142.34	0.20	22.00
						includes	144.70	0.60	22.80
							154.30	30.70	1.27
						includes	154.30	0.43	15.35
						includes	173.84	0.24	21.70
							199.31	18.44	3.17
						includes	199.60	0.21	27.40
						includes	216.71	0.20	95.00
						includes	217.52	0.23	43.40
							221.00	31.69	1.81
						includes	223.00	0.20	183.50



Drill hole ID	East	North	RL	Depth	Azim	Dip	From	Length	Au_ppm
							262.92	19.08	1.74
						includes	262.92	0.20	40.80
						includes	269.85	0.20	10.25
						includes	271.63	0.30	46.10
							286.29	13.71	1.45
						includes	288.00	0.20	24.60
						merades	336.43	9.57	12.41
						includes	336.65	0.24	442.00
						merades	352.00	17.00	3.20
						includes	353.04	0.25	97.00
							390.94	11.06	3.50
						includes	390.94	0.22	98.60
						includes	400.82	0.26	27.00
						merades	409.59	15.96	4.69
						includes	410.02	0.20	59.10
						includes	410.22	0.78	12.95
						includes	414.00	0.44	13.95
						includes	416.44	0.21	70.60
						includes	421.40	0.20	88.70
						includes	423.73	0.34	25.00
						merades	431.81	3.19	14.72
						includes	432.45	0.20	213.00
						includes	440.70	0.35	25.60
KUGC0008	50836.4	11023.7	4953.9	471.4	359.2	-20.4	0.00	8.00	1.58
No decode	30030.1	11023.7	1333.3	1, 2	333.2	20.1	58.00	3.10	6.12
						includes	60.60	0.50	36.20
						merades	71.00	13.29	2.25
						includes	76.05	0.30	54.60
						includes	80.32	0.21	29.50
						includes	84.09	0.20	21.50
						meraues	106.60	18.11	1.78
						includes	110.17	0.32	51.30
						meraues	148.02	17.32	1.21
							180.81	11.09	1.63
						includes	182.60	0.20	43.80
						merades	206.63	24.19	2.09
						includes	206.63	0.22	37.70
						includes	230.58	0.24	105.50
						merades	285.47	3.53	4.21
						includes	285.47	0.56	24.00
							299.77	3.23	3.91
						includes	302.80	0.20	59.80
							325.00	8.00	1.25
						includes	331.05	0.30	14.95
						menades	431.00	12.60	1.37
							454.90	9.28	3.33
						includes	458.00	0.23	83.00
						includes	458.23	0.20	11.80
KUGC0009	50836.5	11023.8	4954.1	390.0	6.8	-19.1	0.00	8.90	1.21
	1 33030.3	1 -1023.0	1 .554.1	1 330.0	0.0	1	0.00	0.50	٠.٢ ـ



Drill hole ID	East	North	RL	Depth	Azim	Dip	From	Length	Au_ppm
						includes	4.05	0.65	11.00
							79.25	2.75	4.86
						includes	79.25	0.20	62.60
							96.95	3.05	4.01
						includes	98.96	0.26	42.80
							107.70	12.85	4.91
						includes	114.75	0.73	41.60
						includes	117.20	0.27	75.00
						includes	120.07	0.48	11.40
							128.85	13.15	2.61
						includes	128.85	0.22	35.70
						includes	135.00	0.50	10.05
						includes	135.50	0.50	10.15
						includes	140.13	0.25	47.60
							148.30	2.34	8.58
						includes	148.30	0.20	92.60
							181.07	14.24	7.53
						includes	187.78	0.22	434.00
							211.58	8.06	4.02
						includes	212.95	0.21	99.40
							264.30	19.70	1.26
						includes	269.00	0.47	25.50
							360.63	28.50	1.31
						includes	373.52	0.64	16.05
KUGC0011	50836.6	11023.8	4954.1	309.1	15.5	-20.6	41.00	10.32	6.71
						includes	41.79	0.28	137.00
						includes	42.80	0.37	59.20
						includes	51.07	0.25	10.90
						meraaes	56.00	9.77	5.51
						includes	60.19	0.71	26.50
						includes	63.33	0.20	104.50
						includes	64.12	0.28	16.65
						meraues	82.51	23.99	1.87
						includes	82.51	0.62	47.50
						includes	88.66	0.26	12.00
						includes	94.93	0.20	12.00
						meraues	124.00	11.22	3.63
						includes	129.57	0.50	44.10
						includes	132.83	0.57	11.95
						miciales	143.00	3.74	5.63
						includes	143.00	0.52	35.00
						incidues	159.00	7.98	5.23
l						includes	163.49	0.43	84.80
				Ī				0.43	
						includes	250 00	17 21	1 22
						includes	258.00 265.52	17.31	23.90
						includes	265.52	0.48	23.90
							265.52 289.00	0.48 11.00	23.90 1.22
KUGC0018	50816.7	11029.1	4978.8	60.0	50.0	includes includes -15.3	265.52	0.48	23.90



KUGCO019         50816.6         11029.2         4978.8         162.0         37.8         24.8         2.00         12.71         4.66           KUGCO019         50816.6         11029.2         4978.8         162.0         37.8         24.8         2.00         12.71         4.66           includes         10.75         0.25         42.50         11.00         0.20         81.50         29.16         15.84         48.81         50         29.16         15.84         48.81         50         29.16         15.84         48.81         50         29.16         15.84         48.81         50         29.16         0.36         264.00         10.00         39.60         0.36         264.00         10.00         30.21         2.78         48.60         10.00         30.21         2.78         48.60         10.00         30.21         2.78         48.60         10.00         56.22         53.50         10.00         10.24         0.20         130.55         130.55         130.55         12.91         10.00         10.24         0.03         23.00         110.00         10.00         12.74         40.03         23.00         10.10         14.70         10.00         10.00         10.00         10.00	Drill hole ID	East	North	RL	Depth	Azim	Dip	From	Length	Au_ppm
RUGCO019							includes	10.04	0.96	15.80
RUGCOQ21   S0816.5   S0816.5   H1029.4   A978.7   A978.7   A978.7   A978.8   A978.6   A978.8   A978.6   A978.8   A978.6   A978.8   A978.8   A978.6   A978.8   A978.	KUGC0019	50816.6	11029.2	4978.8	162.0	37.8		2.00		
Ruger   Ruge									0.68	
RUGCO021   S0816.5   S0816.5   S0816.5   S0816.6   S11029.4   April   April										
RUGCO021   S0816.5   S1029.4   A978.7   S14.0   A978.7   A978.6   A978.7   A978.6   A978.7   A978.8   A978.8										
RUGCO021   S0816.5   T1029.4   A978.7   T14.0   A978.6   A978.6										
RUGCOO21   S0816.5   11029.4   4978.7   174.0   10.5   16.0   1							includes			
KUGCOO21   S0816.5   S0816.6   11029.1   4978.7   174.0   14.0										
KUGCO021   S0816.5   11029.4   4978.7   174.0   10.5   10.0   1.										
RUGCO021   SOR16.5   11029.4   4978.7   174.0   102.40   14.20   102.82   10.00   10										
Mathematical Registry   Math							includes			
RUGCOO21   S0816.5   T1029.4   A978.7   T4.0   F1.0   F1.5   F1										
RUGCOO25   SOR10-6   Tube   Rug										
RUGCOO21   S0816.5   11029.4   4978.7   174.0   10.6   10.642   10.642   10.642   137.00   18.52   2.74   16.642   14.640   16.640   16.										
KUGCOO21   SOR16.5   TOU29.4   APTR.   APTR.   TOU39.4   APTR.   APT										
KUGCO021         50816.5         11029.4         4978.7         174.0         10.54         104.27         0.54         236.00           KUGCO021         50816.5         11029.4         4978.7         174.0         10.5         -29.3         10.00         11.30         5.62           KUGCO021         50816.5         11029.4         4978.7         174.0         10.5         -29.3         10.00         11.30         5.62           KUGCO024         50816.5         11029.4         4978.7         174.0         10.5         -29.3         10.00         11.30         5.62           10.00         11.30         5.62         11.00         11.00         11.00         20.00         0.22         102.00           10.00         10.00         10.00         10.00         10.00         10.00         10.00         10.75         93.18         10.20         20.00         10.01         10.00         10.75         93.18         10.82         2.39         10.00         10.75         10.00         10.75         10.00         10.75         10.00         10.75         10.00         10.75         10.00         10.75         10.00         10.75         10.00         10.00         10.00         10.00							includes			
KUGC0021         50816.5         11029.4         4978.7         174.0         10.0         137.00         18.52         2.74           KUGC0021         50816.5         11029.4         4978.7         174.0         10.0         12.90         0.80         15.90           RUGC0024         50816.5         11029.4         4978.7         174.0         10.0         10.00         11.30         5.62           RUGC0024         50816.5         11029.4         4978.7         174.0         10.5         2-29.3         10.00         11.30         0.50         15.90           Includes         14.30         0.70         21.10         11.30         0.70         21.10         10.00         10.70         21.10         10.00         27.30         8.70         12.00         27.30         8.70         12.00         27.30         0.22         208.00         10.00										
KUGC0021         50816.5         11029.4         4978.7         174.0         10.5         -29.3         10.00         11.30         5.62           KUGC0021         50816.5         11029.4         4978.7         174.0         10.5         -29.3         10.00         11.30         5.62           Includes         12.90         0.80         15.90         includes         12.90         0.80         15.90           Includes         12.90         0.80         15.90         includes         12.90         0.80         15.90           Includes         20.60         0.22         102.00         22.30         8.70         12.06           Includes         27.30         8.70         12.06         10.00         11.50         12.00           Includes         29.00         0.31         152.00         10.00         13.50         10.99         1.61           Includes         34.61         0.30         22.10         29.00         1.00         10.75         49.00         1.00         10.75         49.00         1.00         10.75         49.00         1.00         10.75         49.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00										
KUGC0021         50816.5         11029.4         4978.7         174.0         10.5         -29.3         10.00         11.30         5.62           KUGC0021         50816.5         11029.4         4978.7         174.0         10.5         -29.3         10.00         11.30         5.62           includes         12.90         0.80         15.90         15.90         includes         12.90         0.80         15.90           includes         20.60         0.22         102.00         27.30         8.70         12.06         12.06         includes         27.30         0.22         208.00         12.06         includes         29.00         0.31         152.00         15.90         15.90         15.90         10.00         10.75         293.18         0.02         208.00         10.00         10.75         393.18         0.02         208.00         10.00         10.75         393.18         0.02         239         10.00         10.75         393.18         0.20         87.60         10.00         10.80         13.90         10.00         11.05         40.80         12.00         10.80         12.00         11.00         40.80         12.00         10.80         12.00         10.80         12.00							includes	142.40		23.00
KUGC0021         50816.5         11029.4         4978.7         174.0         10.5         -29.3         10.00         11.30         5.62           LVGC0021         50816.5         11029.4         4978.7         174.0         10.5         -29.3         10.00         11.30         5.62           LVGC0022         100.00         11.30         15.90         10.00         11.30         0.70         21.10           LVGC0023         50816.4         11.029.4         4978.8         159.0         10.00         10.00         10.75           LVGC0024         50816.4         11029.4         4978.8         159.0         26.0         -10.1         1.00         4.69         4.41           LVGC0023         50816.4         11029.4         4978.8         159.0         350.1         -11.6         3.00         6.00         2.65           LVGC0023         50816.4         11029.4         4978.8         159.0         350.1         -11.6         3.00         6.00         2.65           LVGC0023         50816.4         11029.4         4978.8         159.0         350.1         -11.6         3.00         6.00         2.65           LVGC0024         50816.6         11029.4         4978										
RUGCO022   S0816.6   11029.1   4978.8   159.0   26.0   10.10.1   1.00   4.69   4.41   1.60.1   1.00   4.50   1.60.2   1.00   1	KUGC0021	50816.5	11029.4	4978.7	174.0	10.5				
RUGCO022   S0816.6   11029.1   4978.8   102.0   26.0   26.0   27.30										
RUGCO022   TORTION   Source   Foundation										
RUGCO022   S0816.6   11029.1   4978.8   159.0   350.1   1.106   3.00   6.00   2.65   1.1029.1   4978.8   159.0   340.1   3.100   3.102   3.1										
RUGCO022   S0816.6   11029.1   4978.8   159.0   350.1   11.00   4.69   4.41   1.00										
RUGCO022   S0816.6   11029.1   4978.8   159.0   350.1   110.0   1.0							includes			
RUGCO025   S080.9   11038.7   A979.0   A978.8   Log   A979.0   A										
Note										
RUGCO025   S080.9   S080.9   S080.0   S08.0   S08.0										
KUGC0022       50816.6       11029.1       4978.8       159.0       350.1       -11.6       3.00       6.00       2.39         KUGC0023       50816.4       11029.4       4978.8       159.0       350.1       -11.6       3.00       6.00       2.65         KUGC0025       50800.9       11038.7       4979.0       347.2       347.2       340.1       -7.1       47.00       6.00       2.49         KUGC0025       50800.9       11038.7       4979.0       347.2       347.2       340.1       -7.1       47.00       6.00       2.49         KUGC0025       50800.9       11038.7       4979.0       347.2       340.1       -7.1       47.00       6.00       2.49         KUGC0025       50800.9       11038.7       4979.0       347.2       340.1       -7.1       47.00       6.00       2.49         KUGC0025       50800.9       11038.7       4979.0       347.2       340.1       -7.1       47.00       6.00       2.49         KUGC0025       50800.9       11038.7       4979.0       347.2       340.1       -7.1       47.00       6.00       2.49         KUGC0025       50800.9       11038.7       4979.0       347.2 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>includes</td> <td></td> <td></td> <td></td>							includes			
KUGC0022         50816.4         11029.1         4978.8         159.0         350.1         -11.6         3.00         6.00         2.65           KUGC0023         50816.4         11029.4         4978.8         159.0         350.1         -11.6         3.00         6.00         2.65           KUGC0023         50816.4         11029.4         4978.8         159.0         350.1         -11.6         3.00         6.00         2.65           KUGC0023         50816.4         11029.4         4978.8         159.0         350.1         -11.6         3.00         6.00         2.65           KUGC0023         50816.4         11029.4         4978.8         159.0         350.1         -11.6         3.00         6.00         2.65           includes         7.37         0.36         11.40         45.30         2.53         6.52           includes         46.00         1.00         13.55         135.00         4.00         7.78           KUGC0025         50800.9         11038.7         4979.0         347.2         340.1         -7.1         47.00         6.00         2.49           includes         50.42         0.66         14.95         71.73         8.04										
KUGC0022       50816.6       11029.1       4978.8       159.0       350.1       -10.1       1.00       4.69       4.41         KUGC0023       50816.4       11029.4       4978.8       159.0       350.1       -11.6       3.00       6.00       2.65         KUGC0023       50816.4       11029.4       4978.8       159.0       350.1       -11.6       3.00       6.00       2.65         KUGC0023       50816.4       11029.4       4978.8       159.0       350.1       -11.6       3.00       6.00       2.65         includes       7.37       0.36       11.40         45.30       2.53       6.52         includes       135.00       4.00       13.55         135.00       4.00       7.78         KUGC0025       50800.9       11038.7       4979.0       347.2       340.1       -7.1       47.00       6.00       2.49         KUGC0025       50800.9       11038.7       4979.0       347.2       340.1       -7.1       47.00       6.00       2.49         includes       50.42       0.66       14.95         includes       74.59       0.41       13.10							includes			
KUGC0022       50816.6       11029.1       4978.8       159.0       350.1       -11.6       3.00       6.00       2.65         KUGC0023       50816.4       11029.4       4978.8       159.0       350.1       -11.6       3.00       6.00       2.65         KUGC0023       50816.4       11029.4       4978.8       159.0       350.1       -11.6       3.00       6.00       2.65         Includes       7.37       0.36       11.40         45.30       2.53       6.52         Includes       46.00       1.00       13.55         135.00       4.00       7.78         Includes       138.00       0.70       24.10         KUGC0025       50800.9       11038.7       4979.0       347.2       340.1       -7.1       47.00       6.00       2.49         Includes       50.42       0.66       14.95         Includes       74.59       0.41       13.10										
KUGC0022         50816.6         11029.1         4978.8         102.0         26.0         -10.1         1.00         4.69         4.41           KUGC0023         50816.4         11029.4         4978.8         159.0         350.1         -11.6         3.00         6.00         2.65           KUGC0023         50816.4         11029.4         4978.8         159.0         350.1         -11.6         3.00         6.00         2.65           includes         7.37         0.36         11.40           45.30         2.53         6.52           includes         46.00         1.00         13.55           135.00         4.00         7.78           KUGC0025         50800.9         11038.7         4979.0         347.2         340.1         -7.1         47.00         6.00         2.49           KUGC0025         50800.9         11038.7         4979.0         347.2         340.1         -7.1         47.00         6.00         2.49           includes         50.42         0.66         14.95         71.73         8.04         1.42           includes         includes         74.59         0.41         13.10							includes			
KUGC0022         50816.6         11029.1         4978.8         102.0         26.0         -10.1         1.00         4.69         4.41           KUGC0023         50816.4         11029.4         4978.8         159.0         350.1         -11.6         3.00         6.00         2.65           KUGC0023         50816.4         11029.4         4978.8         159.0         350.1         -11.6         3.00         6.00         2.65           Includes         7.37         0.36         11.40         45.30         2.53         6.52           Includes         46.00         1.00         13.55         135.00         4.00         7.78           KUGC0025         50800.9         11038.7         4979.0         347.2         340.1         -7.1         47.00         6.00         2.49           KUGC0025         50800.9         11038.7         4979.0         347.2         340.1         -7.1         47.00         6.00         2.49           Includes         50.42         0.66         14.95           Includes         74.59         0.41         13.10										
KUGC0022         50816.6         11029.1         4978.8         102.0         26.0         -10.1         1.00         4.69         4.41           KUGC0023         50816.4         11029.4         4978.8         159.0         350.1         -11.6         3.00         6.00         2.65           KUGC0023         50816.4         11029.4         4978.8         159.0         350.1         -11.6         3.00         6.00         2.65           includes         7.37         0.36         11.40           45.30         2.53         6.52           includes         46.00         1.00         13.55           135.00         4.00         7.78           KUGC0025         50800.9         11038.7         4979.0         347.2         340.1         -7.1         47.00         6.00         2.49           KUGC0025         50800.9         11038.7         4979.0         347.2         340.1         -7.1         47.00         6.00         2.49           includes         50.42         0.66         14.95         14.95         14.95         14.95         14.95         14.95         14.95         14.90         14.90         14.90         14.90         14.90         14.90 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>includes</td> <td></td> <td></td> <td></td>							includes			
KUGC0023       50816.4       11029.4       4978.8       159.0       350.1       -11.6       3.00       6.00       2.65         Includes       7.37       0.36       11.40         45.30       2.53       6.52         Includes       46.00       1.00       13.55         135.00       4.00       7.78         Includes       138.00       0.70       24.10         KUGC0025       50800.9       11038.7       4979.0       347.2       340.1       -7.1       47.00       6.00       2.49         Includes       50.42       0.66       14.95         71.73       8.04       1.42         Includes       74.59       0.41       13.10	KUGC0022	50816.6	11029.1	4978.8	102.0	26.0				
KUGC0023         50816.4         11029.4         4978.8         159.0         350.1         -11.6         3.00         6.00         2.65           includes         7.37         0.36         11.40           45.30         2.53         6.52           includes         46.00         1.00         13.55           135.00         4.00         7.78           includes         138.00         0.70         24.10           KUGC0025         50800.9         11038.7         4979.0         347.2         340.1         -7.1         47.00         6.00         2.49           includes         50.42         0.66         14.95           71.73         8.04         1.42           includes         74.59         0.41         13.10										
KUGC0025       50800.9       11038.7       4979.0       347.2       340.1       -7.1       47.00       6.00       2.49         includes       50.42       0.66       14.95         includes       74.59       0.41       133.00	KUGC0023	50816.4	11029.4	4978.8	159.0	350.1				
KUGC0025       50800.9       11038.7       4979.0       347.2       340.1       -7.1       47.00       6.00       2.49         includes       50.42       0.66       14.95         includes       71.73       8.04       1.42         includes       74.59       0.41       13.10										
KUGC0025     50800.9     11038.7     4979.0     347.2     340.1     -7.1     47.00     6.00     2.49       includes     50.42     0.66     14.95       includes     71.73     8.04     1.42       includes     74.59     0.41     13.10										
KUGC0025       50800.9       11038.7       4979.0       347.2       340.1       -7.1       47.00       6.00       2.49         includes       50.42       0.66       14.95         71.73       8.04       1.42         includes       74.59       0.41       13.10							includes			
KUGC0025     50800.9     11038.7     4979.0     347.2     340.1     -7.1     47.00     6.00     2.49       includes     50.42     0.66     14.95       includes     71.73     8.04     1.42       includes     74.59     0.41     13.10										
KUGC0025     50800.9     11038.7     4979.0     347.2     340.1     -7.1     47.00     6.00     2.49       includes     50.42     0.66     14.95       71.73     8.04     1.42       includes     74.59     0.41     13.10							includes			
includes 50.42 0.66 14.95 71.73 8.04 1.42 includes 74.59 0.41 13.10	KUGC0025	50800.9	11038.7	4979.0	347.2	340.1				
71.73     8.04     1.42       includes     74.59     0.41     13.10										
includes 74.59 0.41 13.10										
							includes			
								92.00	7.00	1.31



Drill hole ID	East	North	RL	Depth	Azim	Dip	From	Length	Au_ppm
						includes	93.70	0.20	25.50
							241.68	9.32	4.10
						includes	247.00	1.00	31.90
							340.27	6.93	1.39
KUGC0028	50798.5	11035.8	4979.2	55.0	293.0	0.8	34.25	0.65	34.10
						includes	34.25	0.65	34.10
							48.00	5.40	6.69
						includes	51.00	1.00	34.20
KUGC0029	50356.4	10382.3	5159.2	153.0	293.2	-6.1	88.00	11.00	1.98
						includes	94.50	0.87	19.05
							138.40	12.60	8.18
						includes	139.70	1.13	77.00
KUGC0030	50356.3	10382.1	5159.2	135.0	260.9	-10.8	53.09	2.19	9.37
ROGEOUSU	30330.3	10302.1	3133.2	133.0	200.5	10.0	55.08	0.20	96.00
							62.46	0.66	199.11
						in al. da a			
						includes	62.46	0.39	26.10
W1000000	50500.4	40545.0	5422.2	470.6	22.6	includes	62.85	0.27	449.00
KUGC0036	50590.1	10515.0	5122.2	178.6	22.6	2.8	13.10	2.07	6.36
						includes	13.10	0.70	15.70
KUGC0037	50590.0	10515.0	5122.2	167.6	7.1	3.3	139.49	4.31	4.82
						includes	142.60	0.25	47.80
						includes	143.43	0.37	10.35
KUGC0040	50589.8	10515.1	5122.2	125.0	1.6	-5.4	54.00	3.65	15.84
						includes	57.30	0.35	161.50
KUGC0041	50848.5	11023.0	4955.5	74.9	343.9	15.7	5.79	12.63	7.57
							23.30	7.70	4.86
						includes	23.30	0.39	54.10
						includes	23.69	0.30	16.45
						includes	30.62	0.38	20.60
KUGC0042	50848.6	11023.0	4955.5	70.0	0.1	9.9	17.63	11.87	4.12
						includes	19.00	0.26	10.35
						includes	20.65	0.25	12.45
						includes	21.45	0.21	91.60
						includes	26.00	1.00	14.70
							37.39	2.68	23.69
						includes	37.65	0.25	53.60
						includes	37.90	0.26	189.50
KUGC0043	50848.7	11023.0	4955.5	91.0	13.1	12.5	22.07	5.43	6.96
NO COO 15	300 1017	11020.0	1333.3	31.0	10.1	includes	23.35	0.36	98.70
KUGC0044	50770.2	10934.4	5004.8	130.0	70.9	-1.3	94.00	2.00	8.19
KOGC0044	30770.2	10334.4	3004.8	130.0	70.5				
						includes	95.00	1.00	15.40
						to1. 1	100.66	6.36	8.00
						includes . , ,	100.66	0.62	22.40
						includes	101.28	0.86	11.85
						includes	103.02	0.70	13.20
						includes	106.10	0.92	16.45
							110.00	6.00	7.18
					1	includes	115.00	1.00	30.00
KUGC0045	50770.1	10934.5	5004.7	130.1	71.2	-7.9	65.63	7.37	4.21



Drill hole ID	East	North	RL	Depth	Azim	Dip	From	Length	Au_ppm
						includes	67.18	0.85	32.30
							73.55	2.10	30.36
						includes	73.55	0.45	138.50
							105.10	6.42	5.68
						includes	105.10	0.30	14.00
						includes	107.57	0.53	14.10
						includes	109.80	0.44	16.40
						includes	111.28	0.24	19.30
KUGC0046	50770.3	10934.4	5004.9	130.4	73.8	-4.8	50.91	7.44	2.27
							76.00	12.55	2.98
						includes	79.35	0.29	29.50
						includes	87.84	0.71	25.30
							104.09	12.91	14.89
						includes	108.21	0.65	38.90
						includes	108.86	0.75	45.90
						includes	109.61	0.72	94.10
						includes	111.12	0.95	10.65
						includes	112.07	0.61	12.75
						includes	116.00	1.00	22.90
KUGC0047	50770.2	10934.3	5004.8	144.0	78.3	-7.1	101.30	8.70	3.92
						includes	101.71	0.87	13.00
						includes	105.90	0.44	22.90
KUGC0048	50774.5	10944.9	5005.3	115.0	89.9	-5.0	101.00	4.00	10.42
						includes	101.58	0.40	20.90
						includes	101.98	0.60	27.50
						includes	103.23	0.44	16.00
KUGC0049	50774.4	10944.8	5005.1	97.0	96.9	-10.8	0.00	8.00	1.21
							90.00	7.00	2.45
						includes	91.73	0.47	30.20

# Reporting parameters:

- 3. 0.3g/t Au low cut
- 4. No high cut applied
- 5. Max 4m consecutive intervals of sub-grade (<0.3 g/t Au) material included
- 6. Minimum reporting length of 6 metres and grade of 1.2 g/t Au, or minimum contained gold >12 gram\*metres accumulation
- 7. Individual high grade (>10g/t Au) assay intervals reported separately
- 8. Collar coordinates and orientation given in Mine Grid

# Significant Assays from Sampling of historical (pre-Red 5) underground diamond drill core

Table 4 Significant intercepts received since last reporting of sampling of un-sampled historical drill core (19 December 2018)

Drill hole ID	East	North	RL	Depth	Azim	Dip	From	Length	Au_ppm
KUD00006	50659.5	10369.5	5081.9	115.1	85.9	14.8	12.22	10.63	1.29
						includes	14.06	0.44	19.15
KUD00015	50659.4	10370.0	5082.2	145.6	68.3	23.0	41.95	2.05	14.24
						includes	41.95	0.95	29.90



Drill hole ID	East	North	RL	Depth	Azim	Dip	From	Length	Au_ppm
KUD00059	50752.2	10489.8	5075.9	133.3	91.1	-23.5	0.00	2.19	18.84
						includes	0.75	1.36	65.30
KUD00168	50707.0	10422.3	5073.6	64.7	151.3	-44.0	30.00	1.00	15.65
KUD00183	50644.4	10340.5	5051.7	161.5	61.9	-42.0	44.00	8.83	4.90
						includes	50.00	0.20	196.00
							63.00	0.77	31.70
KUD00239	50660.7	10358.1	5005.4	188.3	185.3	-32.0	88.00	8.00	1.55
						includes	95.00	0.50	18.45
							109.75	2.61	65.98
						includes	111.90	0.46	368.00
KUD00395	50637.2	10354.2	4980.3	199.1	174.8	-55.2	6.00	9.00	1.38
						includes	8.20	0.80	11.85
KUD00398	50637.3	10354.3	4980.3	112.2	141.3	24.0	0.00	7.00	1.33
							12.00	9.00	1.32
							26.00	6.00	1.27
						includes	30.00	0.30	18.00
KUD00399	50653.5	10356.8	4977.7	116.1	126.1	-57.2	47.00	8.00	1.81
						includes	51.00	0.40	21.50

# Reporting parameters:

- 1. 0.3g/t Au low cut
- 2. No high cut applied
- 3. Max 4m consecutive intervals of sub-grade (<0.3 g/t Au) material included
- 4. Minimum reporting length of 6 metres and grade of 1.2 g/t Au, or minimum contained gold >12 gram\*metres accumulation
- 5. Individual high grade (>10g/t Au) assay intervals reported separately
- 6. Collar coordinates and orientation given in Mine Grid
- 7. Holes drilled between 2011-2012

# JORC CODE, 2012 EDITION – TABLE 1 REPORT: KOTH GOLD MINE – DIAMOND DRILL CORE ASSAY RESULTS FROM RECENT UNDERGROUND DIAMOND DRILLING, AND SAMPLING OF HISTORICAL DRILL CORE

Section 1: Sampling	Techniques and Data	
Criteria	JORC Code Explanation	Commentary
Sampling Techniques	Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry	• Historical sampling of KUD series of diamond drill holes (DD) was carried out in 2011-2012, the nature and quality of which is considered to be similar to Red5 Ltd's (Red5) standard sampling protocols.
	standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.).	• Sampling of historical drill core and core from recent drilling by Red5 was carried out in accordance with the Company's standard sampling protocols, which is considered to be appropriate and of industry standard.
	These examples should not be taken as limiting the broad meaning of sampling.	All sampling of drill core was carried out by halving the drill core lengthwise, using a powered diamond core saw, and submitting predetermined lengths of half core for analysis.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration	<ul> <li>Red 5 are satisfied that the historical and recent sampling of drill core was carried out as per industry standard, and similar to, or in accordance with Red 5 sampling and QAQC procedures.</li> </ul>
of any ma	of any measurement tools or systems used	<ul> <li>Red 5 inserted certified blank material into the sampling sequence immediately after samples that had been identified as potentially containing coarse gold. Barren flushes were also carried out during the sample preparation process, immediately after preparation of the suspected coarse gold bearing samples. The barren flush is also analysed for gold to identify and quantify any gold smearing in the sample preparation process.</li> </ul>
		Certified Reference Material was regularly inserted into the sampling sequence after every 20 samples to monitor QAQC of the analytical process.
		• Drill core samples are crushed, dried and pulverised to a nominal 90% passing 75µm to produce a 50g sub-sample for analysis by Fire Assay fusion / AAS determination techniques.
are Material to the Public Report. In california industry standard' work has been done relatively simple (e.g. 'reverse circulation used to obtain 1 m samples from which pulverised to produce a 30 g charge for In other cases more explanation may be such as where there is coarse gold that sampling problems.  Unusual commodities or mineralisation		<ul> <li>Drill core sampling has been half cut and sampled downhole to a minimum of 0.2m and a maximum of 2.1m to provide a sample size between 0.3-5.4 kg, which is crushed and pulverised to produce a 50g charge for fire assay. The remaining half of the core is stored in the core farm for reference.</li> <li>Coarse gold is only occasionally observed in drill core.</li> </ul>
	Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information	
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	<ul> <li>Historical and current underground diamond core drilling is carried out by drilling contractors, using standard wireline techniques. Standard double tube is used since the core is considered to be sufficiently competent to not require the use of triple tube. Core diameter is predominantly NQ2 (Ø 50.5mm).</li> </ul>

Criteria	JORC Code Explanation	Commentary
	what method, etc.).	
Drill Sample Recovery	Method of recording and assessing core and chip sample recoveries and results assessed	<ul> <li>Drill core sample recovery is calculated for each core run, by measuring and recording length of core retrieved divided by measured length of the core run drilled. Sample recoveries are calculated and recorded n the database.</li> <li>Core recovery factors for core drilling are generally high, typically averaging better than 98% for the KUD series of holes</li> </ul>
	Measures taken to maximise sample recovery and ensure representative nature of the samples	Drill core recovery, and representativeness, is maximised by the drillers continually adjusting rotation speed and torques, and mud mixes to suit the ground being drilled.
	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.	<ul> <li>There is no known relationship between sample recovery and grade.</li> <li>Diamond drilling has high recoveries, due to the competent nature of the ground, therefore loss of material is minimised. There is no apparent sample bias.</li> </ul>
Logging	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. Whether logging is qualitative or quantitative in nature.  Core (or costean, channel, etc) photography.	<ul> <li>100% of drill core is logged geologically and geotechnically to a level of detail sufficient to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</li> <li>Logging of diamond drill core has recorded lithology, mineralogy, texture, mineralisation, weathering, alteration and veining. Logging is qualitative and/or quantitative where appropriate.</li> <li>There are no known core photographs available for historical KUD series of drill core.</li> </ul>
	The total length and percentage of the relevant intersections logged	All diamond drill holes are logged in their entirety.
Sub-sampling techniques and sample preparation	If core, whether cut or sawn and whether quarter, half or all core taken.	<ul> <li>All diamond drill core samples were obtained by cutting the core in half, along the entire length of each sampling interval. Half core samples are collected over predetermined sampling intervals, from the same side, and submitted for analysis.</li> <li>Drill core sample lengths can be variable in a mineralized zone, though usually no larger than 2.1</li> </ul>
		meters. Minimum sampling width is 0.2 metres. This enables the capture of assay data for narrow structures and localized grade variations.
		Drill core samples are taken according to a cut sheet compiled by the Geologist. Core samples are bagged in pre-numbered calico bags and submitted with a sample submission form.
	If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	N/A – This report only relates to diamond drill core samples
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	The sample preparation of diamond drill core adheres to industry standard practice. It is conducted by a commercial certified laboratory and involves oven drying at 105°C, jaw crushing then total grinding using an LM5 to a grind size of 90% passing 75 microns. This procedure is industry standard and considered appropriate for the analysis of gold for Archaean lode gold systems
	Quality control procedures adopted for all sub-	All sub-sampling activities are carried out by commercial certified laboratory and are considered to be

Criteria	JORC Code Explanation	Commentary
	sampling stages to maximise representivity of samples.	appropriate.
	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.	<ul> <li>This report only relates to diamond drill core samples. The remaining half core is retained in core trays for future reference. There is sufficient drilling data and underground mapping and sampling data to satisfy Red 5 that the sampling is representative of the in situ material collected</li> </ul>
	Whether sample sizes are appropriate to the grain size of the material being sampled.	Analysis of drilling data and mine production data supports the appropriateness of sample sizes.
Quality of assay data and laboratory tests	The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.	<ul> <li>Primary assaying of core samples is by fire assay fusion with AAS finish to determine gold content.</li> <li>This method is considered one of the most suitable for determining gold concentrations in rock and is a total digest method.</li> </ul>
	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.	No geophysical tools have been utilised to determine assay results at the King of the Hills project.
	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	<ul> <li>QC samples were routinely inserted into the sampling sequence and also submitted around expected zones of mineralisation. Standard procedures are to examine any erroneous QC results and validate if required; establishing acceptable levels of accuracy and precision for all stages of the sampling and analytical process.</li> </ul>
	established.	<ul> <li>Certified Reference Material (standards and blanks) with a wide range of values are inserted into all batches of diamond drill hole submissions, at a rate of 1 in 20 samples, to assess laboratory accuracy and precision and possible contamination. The CRM values are not identifiable to the laboratory.</li> </ul>
		<ul> <li>Certified blank material is inserted under the control of the geologist and are inserted at a minimum of one per batch. Barren quartz flushes are inserted between expected mineralised sample interval(s) when pulverising.</li> </ul>
		<ul> <li>QAQC data returned are checked against pass/fail limits with the SQL database and are passed or failed on import. A report is generated and reviewed by the geologist as necessary upon failure to determine further action.</li> </ul>
		<ul> <li>QAQC data validation is routinely completed and demonstrates sufficient levels of accuracy and precision.</li> </ul>
		• Sample preparation checks for fineness are carried out to ensure a grind size of 90% passing 75 microns.
		• The laboratory performs several internal processes including standards, blanks, repeats and checks.
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	<ul> <li>Core samples with significant intersections are typically reviewed by Senior Geological personnel to confirm the results.</li> </ul>
	The use of twinned holes.	No specific twinned holes were drilled.

Criteria	JORC Code Explanation	Commentary				
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols	The SQL server database is configured for optimal validation through constraints, library tables and triggers. Data that fails these rules on import is rejected and not ranked as a priority to be used for exports or any data applications.				
		<ul> <li>All diamond drill data control is managed centrally, from drill hole planning to final assay, survey and geological capture. The majority of logging data (lithology, alteration and structural characteristics of core) is captured directly by customised digital logging tools with stringent validation and data entry constraints. Geologists email the data to the database administrator for importing in the database where ranking of the data occurs based on multiple QAQC and validation rules.</li> </ul>				
	Discuss any adjustment to assay data.	<ul> <li>The database is secure and password protected by the Database Administrator to prevent accidental or malicious adjustments to data.</li> <li>No adjustments have been made to assay data. First gold assay is utilised for grade review. Re-assays</li> </ul>				
		carried out due to failed QAQC will replace original results, though both are stored in the database.				
Location of data points	Accuracy and quality of surveys used to locate drillholes (collar and down-hole surveys), trenches,	All diamond drill hole collars were marked out pre-drilling and picked up by company surveyors using a total station at the completion of drilling, with an expected accuracy of +/-2mm.				
	mine workings and other locations used in Mineral Resource estimation.	• Downhole surveys were carried out at regular intervals, using an electronic downhole survey tool. Older surveys typically used a single shot camera, with more recent surveys using continuously recording tools (e.g. Reflex EZ_SHOT <sup>TM</sup> ).				
	Specification of the grid system used.	A local grid system (King of the Hills Mine Grid) is used. A two point transformation to MGA_GDA94 zone 51 is tabulated below:				
		KOTH_East       KOTH_North       MGA_East       MGA_North         Point 1       49823.541       9992.582       320153.794       6826726.962         Point 2       50740.947       10246.724       320868.033       6827356.243				
		Mine Grid elevation data is +4897.27m relative to Australian Height Datum				
	Quality and adequacy of topographic control.	DGPS survey data has been used to establish a topographic surface.				
Data spacing and	Data spacing for reporting of Exploration Results.	• N/A				
distribution	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.	The Competent Person considers the data reported to be sufficient to establish the degree of geological and grade continuity appropriate for future Mineral Resource classification categories adopted for KOTH.				
Orientation of data in relation to geological structure	Whether sample compositing has been applied.	Sample compositing is not applied to drill core samples.				
	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.	Drill holes were not necessarily oriented in an optimum direction, resulting in some potential for negative and/or positive sampling bias, particularly in the zones of vein stock-works. Drilling from underground development to intersect target zones inhibits the ability to optimise sampling orientations. This has been recognised by previous owners as well as Red5 and accounted for in				

Section 1: Samplin	ng Techniques and Data	
Criteria	JORC Code Explanation	Commentary
		Mineral Resource estimation by segregation of the high grade veins.
	If the relationship between the drilling orientation and the orientation of key mineralised structures is	• Drilling is designed to intersect ore structures as close to orthogonal as practicable. This is not always achievable from underground development.
	considered to have introduced a sampling bias, this should be assessed and reported if material.	• Cursory reconciliations carried out during mining operations have not identified any apparent sample bias having been introduced because of the relationship between the orientation of the drilling and that of the higher grade mineralised structures.
Sample security	The measures taken to ensure sample security.	<ul> <li>Recent samples are prepared on site under supervision of geological staff. Samples are selected, bagged into tied numbered calico bags then grouped into larger secured bags and delivered to the laboratory by a transport company. All KOTH samples are submitted to an independent certified laboratory in Kalgoorlie for analysis.</li> </ul>
		• Samples collected from the historical core trays through to delivery for assay are supervised by Company personnel.
		• KOTH is a remote site and the number of external visitors is minimal. The deposit is known to contain visible gold, and while this renders the core susceptible to theft, the risk of sample tampering is considered very low due to the policing by Company personnel at all stages from drilling through to storage at the core yard, sampling and delivery to the laboratory
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	<ul> <li>A series of written standard procedures exists for sampling and core cutting at KOTH. Periodic routine visits to drill rigs and the core farm are carried out by project geologists and Senior Geologists / Superintendents to review core logging and sampling practices. There were no adverse findings, and any minor deficiencies were noted and staff notified, with remedial training if required.</li> </ul>

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.	<ul> <li>The King of the Hill pit and near mine exploration are located on M37/67, M37/76, M37/90, M37/201 and M37/248 which expire between 2028 and 2031. All mining leases have a 21 year life and are renewable for a further 21 years on a continuing basis.</li> <li>The mining leases are 100% held and managed by Greenstone Resources (WA) Pty Limited, a wholly owned subsidiary of Red 5 Limited.</li> <li>The mining leases are subject to a 1.5% 'IRC' royalty.</li> <li>Mining leases M37/67, M37/76, M37/201 and M37/248 are subject to a mortgage with 'PT Limited'.</li> <li>All production is subject to a Western Australian state government 'NSR' royalty of 2.5%.</li> <li>All bonds have been retired across these mining leases and they are all currently subject to the conditions imposed by the MRF.</li> </ul>		

• No external audits or reviews have been conducted for the purposes of this report.

Section 2: Reporting of Exploration Results				
Criteria	JORC Code Explanation	Commentary		
		<ul> <li>There are currently no native title claims applied for, or determined, over the mining leases.</li> <li>An 'Other Heritage Place' (aboriginal heritage place ID: 1741), referred to as the "Lake Raeside/Sullivan Creek" site, is located within M37/90.</li> </ul>		
	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.	The tenements are in good standing and the licence to operate already exists. There are no known impediments to obtaining additional licences to operate in the area.		
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	• The King of the Hills prospect was mined sporadically from 1898-1918. Modern exploration in the Leonora area was triggered by the discovery of the Habour Lights and Tower Hill prospects in the early 1980s, with regional mapping indicating the King of the Hills prospect area was worthy of further investigation.		
		<ul> <li>Various companies (Esso, Ananconda, BP Minerals. Kulim) carried out sampling, mapping and drilling activities delineating gold mineralisation. Kulim mined two small open pits in JV with Sons of Gwalia during 1986 and 1987. Arboynne took over Kulim's interest and outlined a new resource while Mount Edon carried out exploration on the surrounding tenements. Mining commenced but problems lead to Mount Edon acquiring the whole project area from Kulim, leading to the integration of the King of the Hills, KOTH West and KOTH Extended into the Tarmoola Project. Pacmin bought out Mount Edon and were subsequently taken over by Sons of Gwalia.</li> </ul>		
		• St Barbara acquired the project after taking over Sons of Gwalia in 2005. King of The Hills is the name given to the underground mine, which St Barbara developed beneath the Tarmoola pit. St Barbara continued mining at King of The Hills and processed the ore at their Gwalia operations until 2005 when it was put on care and maintenance. It was subsequently sold that year to Saracen Minerals Holdings who re-commenced underground mining in 2016 and processed the ore at their Thunderbox Gold mine.		
		In October 2017 Red 5 Limited purchased King of the Hills (KOTH) Gold Project from Saracen.		
Geology	Deposit type, geological setting and style of mineralisation.	<ul> <li>The KOTH mineralisation is considered to be part of an Archean Orogenic gold deposit with many similar characteristics to other gold deposits within the Eastern Goldfields of the Yilgarn Craton.</li> <li>Gold mineralisation is associated with sheeted and stockwork quartz vein sets within a hosting granodiorite stock and pervasively carbonate altered ultramafic rocks. Mineralisation is thought to have occurred within a brittle/ductile shear zone with the main thrust shear zone forming the primary conduit for the mineralising fluids. Pre-existing quartz veining and brittle fracturing of the granite created a</li> </ul>		
		network of second order conduits for mineralising fluids.		
		<ul> <li>Gold appears as free particles or associated with traces of base metals sulphides (galena, chalcopyrite, pyrite) intergrown within quartz along late stage fractures.</li> </ul>		
Drillhole information	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:	Drillhole collar locations, azimuth and drill hole dip and significant assays are reported in Appendix 1 attached to the ASX announcement for which this Table 1 Report accompanies.		
	- easting and northing of the drill hole collar elevation or RL (Reduced Level – elevation			

Section 2: Reporting of Exploration Results				
Criteria	JORC Code Explanation	Commentary		
	<ul> <li>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>			
Data aggregation methods	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.	<ul> <li>Reporting of intercepts are based on weighted average gold grades, using a low cut-off grade of 0.3g/t Au. No cutting of high grades have been applied, and single intercept values &gt;10g/t Au are reported separately.</li> </ul>		
	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.	<ul> <li>Composite lengths of mineralisation often contain single high grade gold assays, and where this is the case, all single intercept assays &gt;10g/t Au are reported separately.</li> <li>Compositing of intercepts is constrained by including consecutive down-hole lengths of maximum 4 metres at grades &lt;0.3g/ Au, and reporting minimum composite length of 6 metres at a weighted average grade of 1.2g/t Au.</li> </ul>		
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No metal equivalents are used.		
Relationship between mineralisation widths and intercept lengths	These relationships are particularly important in the reporting of Exploration Results.  If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.  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').	<ul> <li>No true thickness calculations have been made.</li> <li>All reported down hole intersections are documented as down hole width only. True width not known.</li> <li>The KOTH mineralisation envelope is intersected approximately orthogonal to the orientation of the mineralised zone, or sub-parallel to the contact between the granodiorite and ultramafic. Due underground access limitations and the variability of orientation of the quartz veins and quartz vein stock-works, drilling orientation is not necessarily optimal</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.	A scaled plan projection and longitudinal projection are included within the main body of the ASX release for which this Table 1 Report accompanies. Due to the significant amount of data, it is considered not necessary to provide sections
Balanced Reporting	Where comprehensive reporting of all Exploration Results are not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	<ul> <li>Comprehensive reporting of all Assay Results is not practicable, due to the amount of data. KOTH significant assays are reported according to predetermined intersection-reporting criteria, which includes low and high grades.</li> <li>Weighted average composited intervals have been tabulated and included within the main body of the ASX release for which this Table 1 Report accompanies. Individual high grade intercepts (&gt;10g/t Au) are reported separately.</li> </ul>
Other substantive exploration data	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.	No other exploration data that may have been collected is considered material to this announcement.
Further work	The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).  Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive	<ul> <li>Red 5 Limited is continually reviewing the resource models and geology interpretations subsequent to the purchase of KOTH from Saracen, with drilling currently design to test the next one to two year mine plan for UG. Red 5 is currently drilling of the interpreted broad low-grade mineralization zones to evaluate its potential for bulk mining and/or heap leaching.</li> <li>No diagrams have been included in this report to show the proposed drilling plans for the KOTH resource, since it is essentially infilling areas already drilled.</li> </ul>