

# DRILLING COMMENCES MT REMARKABLE

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#### **Australian Securities Exchange Announcement**

28/10/2020

King River Resources Ltd (ASX:KRR) is pleased to announce the commencement of a 2,500m RC drill programme, testing for high-grade gold mineralization at its Mount Remarkable Project, in Western Australia, where multiple high grade gold results were returned last year including best result of 4m @ 113.29g/t Au including 1m @ 346g/t Au (KRR ASX 4 June 2018).

#### Mt Remarkable Drilling Targets

The drilling will test new exploration targets as well as follow-up on the encouraging gold results returned from targets drilled in 2018 and 19.

#### Trudi Vein

Drilling will continue to test the main Trudi vein where multiple high-grade gold results have been returned including best results of:

- 4m @ 113.29g/t Au including 1m @ 346g/t Au in KMRC78 (refer KRR ASX 4 June 2018)
- 6m @ 60g/t Au including 2.8m @ 108g/t Au in KMDD01(refer KRR ASX 10 September 2018)
- 4m @ 39.78g/t Au including 1m @ 82.7g/t Au in KMRC75 (refer KRR ASX 20 June 2018)
- 4m @ 36.77g/t Au from 7m including 1m @ 70.9g/t Au in KMRC127 (refer KRR ASX 7 August 2018)
- 3m @ 34.8g/t Au including 1m @ 50.5g/t Au in KMRC0077 (refer KRR ASX 4 June 2018)

There are 5 main targets being tested on the Trudi vein (Figure 1). These are: Trudi Main (strike and dip extensions to the high grade zones delineated in previous grid drilling), Trudi Offset (the newly identified mineralization intersected in 2019 approximately 150m east of the main deposit), Trudi West (testing of the western extents of the vein 150m from the main deposit), and Trudi East (where previous KRR drilling returned mineralization in 3 shallow RC holes 500m east of the main deposit).

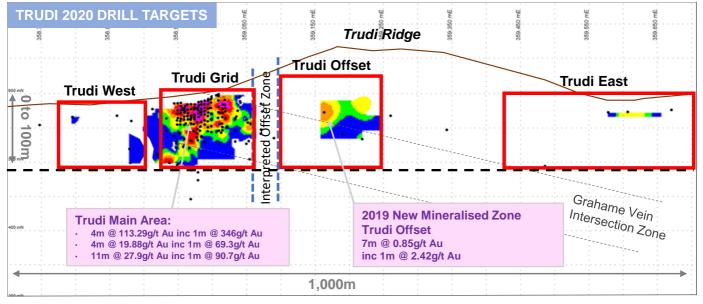


Figure 1: Long projection, looking north, showing the new mineralised zone intersected 150m east of Trudi Main and the multiple very high-grade gold zones within the Trudi Main Grid Area.



#### Other Veins

Drilling will also target a number other prospective epithermal veins including:

- The Jeniffer North prospect (where initial drilling in 2019 returned mineralisation in 3 adjacent holes with grades up to 0.64g/t Au),
- The Catherine Vein in a similar litho-structural setting to the Trudi vein where it intersects the Grahame Vein under interpreted cover units. This is 400m north of the main Trudi deposit (Figure 2).
- Gemma Offset Vein where historical sampling returned gold grades up to 0.72g/t in rock chip grab sampling along 300m of strike but the vein was never drilled.
- A quartz adularia vein where previous rock chip grab sampling returned grades up to 30.8g/t in rock chip samples. Subsequent drilling failed to intersect the vein however it is now believed that the highgrade mineralization may be within an en-echelon zone of the vein and previous drilling may have passed under or between veins (Figure 2).

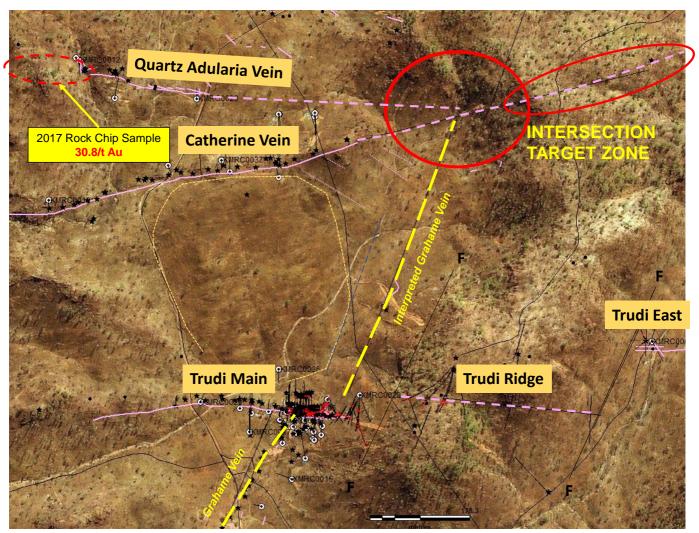


Figure 2: Mt Remarkable Main Zone, New High Grade gold target where the Catherine Vein intersects with the Grahame vein under interpreted cover units – very similar lithostructural setting to the Trudi deposit.



Over 30 RC holes are planned for this phase of drilling which will be completed close to the end of the dry season period in the Kimberlies (November/December). Reconnaissance exploration is planned for early next dry season across KRR's extensive tenement holdings in the region. These tenements cover the prospective Whitewater Volcanic rocks that extend 200km along a NE-SW strike south of the Speewah Dome (Figure 3). High grade gold mineralisation at the Mt Remarkable Project is hosted by the Whitewater rock unit, a Proterozoic stratigraphic horizon that is older than the Speewah Project rocks. This horizon extends from the Hunter Project (held by WA Mining Resources), where historic high-grade gold values of up to 50.65g/t Au have been returned from epithermal quartz veins, through to KRR's Mt Remarkable Project and continues to the South hosting both the Tunganary and Middle Branch Bore gold prospects within anticlinal fold structures. Past exploration along this prospective trend and between these high-grade gold exploration projects has been sparse providing excellent opportunity for additional high-grade gold discoveries within the Whitewater unit.

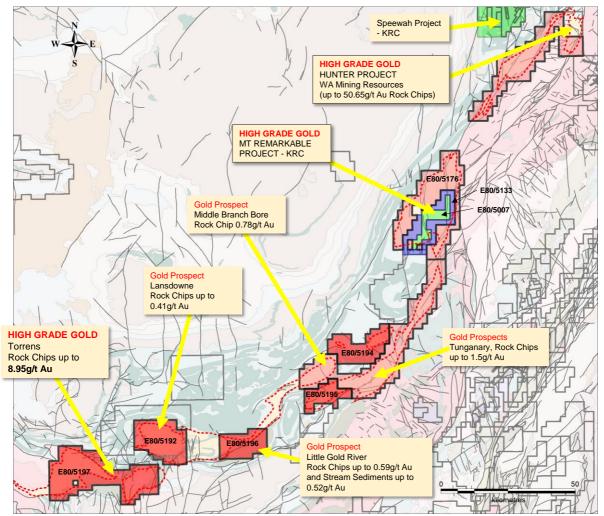


Figure 3: Map showing location of King River Resources exploration holdings at Mt Remarkable and relevant gold prospects.



#### **Directors comment**

Previous drilling at the Mt Remarkable Trudi Vein has yielded some excellent high-grade epithermal gold values. The primary objective of this current 2020 program is to investigate the possibility of an offset of this high-grade gold mineralisation, by targeting an area with 4 holes approximately 120 to 150 metres East of that original discovery. The rig will also test 9 other nearby locations in the project area. Geologists have also been on site for a number of weeks doing first pass reconnaissance over other nearby locations.

#### **Competent Persons Statement**

The information in this report that relates to Exploration Results is based on information compiled by Ken Rogers and Andrew Chapman and fairly represents this information. Mr. Rogers is the Chief Geologist and an employee of the Company, and a member of both the Australian Institute of Geoscientists (AIG) and The Institute of Materials Minerals and Mining (IMMM), and a Chartered Engineer of the IMMM. Mr. Chapman is a Consulting Geologist contracted with the Company and a member of the Australian Institute of Geoscientists (AIG). Mr. Rogers has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Chapman and Mr. Rogers consent to the inclusion in this report of the matters based on information in the form and context in which it appears.



#### TABLE 1: SCHEDULE OF TENEMENTS HELD AT 30 SEPTEMBER 2020

WA TENEMENTS SPEEWAH MINING PTY LTD and WHITEWATER MINERALS PTY LTD (wholly-owned subsidiaries of King River Resources Limited)

Tenement	Project	Ownership	Change During Quarter
E80/2863		100%	
E80/3657		100%	
E80/4468		100%	
E80/4831		100%	
E80/4961		100%	
E80/4962	Speewah	100%	
E80/4972	(held by Speewah	100%	
E80/4973	Mining Pty Ltd)	100%	
L80/43		100%	
L80/47		100%	
M80/267		100%	
M80/268		100%	
M80/269		100%	
E80/5007		100%	
E80/5133		100%	
E80/5176	1	100%	
E80/5177	Mt Remarkable	100%	
E80/5178	(held by Whitewater Minerals Pty Ltd)	100%	
ELA80/5192		100%	
ELA80/5193		100%	
E80/5194		100%	
E80/5195		100%	
E80/5196		100%	

#### Note:

E = Exploration Licence (granted) ELA = Exploration Licence (application)
M = Mining Lease (granted) L = Miscellaneous Licence (granted)



## NT TENEMENTS TREASURE CREEK PTY LTD (wholly-owned subsidiary of King River Resources Limited)

Tenement	Project	Ownership	Change During Quarter
EL31617		100%	
EL31618		100%	
EL31619		100%	
EL31623		100%	
EL31624		100%	
EL31625		100%	
EL31626		100%	
EL31627	Tennant Creek	100%	
EL31628	Tennant Creek	100%	
EL31629		100%	
EL31633		100%	
EL31634		100%	
EL32199		100%	
EL32200		100%	
ELA32344		100%	
ELA32345		100%	

Note:

EL = Exploration Licence (granted) ELA = Exploration Licence (application)



Appendix 1: King River Resources Limited JORC 2012 Table 1
The following section is provided to ensure compliance with the JORC (2012) requirements for the reporting of exploration results:

#### 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 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	This ASX Release dated 28 October 2020 reports on the commencement of KRR's RC drill programme at its Mt Remarkable Project.
		No new results are reported in this report.
	taken as limiting the broad meaning of sampling.	Surface rock chip sampling. No New results reported. Samples are around 1-2kg and selected from newly discovered outcrops or float.
		Historical Drilling Drill and assay data for historical drilling was sourced from annual mineral exploration reports downloaded through WAMEX and historical quarterly activity reports submitted to ASX by Northern Star Resources Ltd. Historical licences were E80/2427 and E80/4001
		For historical holes (WRC<001 – WRC<026) initial sample taken by spear with all significant results later riffle split.
		For historical holes (08WRC059<08WRC088) 3<5kg 1m samples taken direct from static cone splitter or 4m comps taken by spearing 1m samples. Field standards and duplicates inserted at regular intervals.
		No details on sampling are available on historical RC holes WRC027 – WRC058 or diamond core holes WCD01<02.
		Onsite XRF analysis is conducted on rock chip samples using a hand-held Niton XRF Model XL3T 950 Analyser. These results are only used for onsite interpretation and preliminary assessment subject to final geochemical analysis by laboratory assays.
		Current RC Programme
		No new drilling reported
		RC Sampling: All samples from the RC drilling are taken as 1m samples. Samples are sent to ALS Laboratories in Perth for assaying.
		Appropriate QAQC samples (standards, blanks and duplicates) are inserted into the sequences as per industry best practice. Samples are collected using cone or riffle splitter. Geological logging of RC chips is completed at site with representative chips being stored in drill chip trays.



Criteria	JORC Code explanation	Commentary
		Onsite XRF analysis is conducted on the fines from RC chips using a hand-held Niton XRF Model XL3T 950 Analyser. These results are only used for onsite interpretation and preliminary assessment subject to final geochemical analysis by laboratory assays. It is mentioned in the text that gold was detected by the niton – actual values are not quoted and the results are used as an interpretive tool for further drill hole design. Detection of gold by the niton device is not considered reliable as it is possible that a mineral with similar characteristics was detected.
Sampling Techniques (continued)	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	Rock Chip Sampling: Rock chip samples are recorded on a sampling sheet which includes nature of sampled site, rock type, structure site, structure orientation, size, mineralisation style. Samples are selected to give an understanding of mineralisation and alteration styles and are representative only based on sample site description.
		Historic RC Sampling:
		Drill and assay data for historical drilling was sourced from annual mineral exploration reports downloaded through WAMEX and historical quarterly activity reports submitted to ASX by Northern Star Resources Ltd. Historical licences were E80/2427 and E80/4001
		For historical holes (WRC<001 – WRC<026) initial sample taken by spear with all significant results later riffle split.
		For historical holes (08WRC059<08WRC088) 3<5kg 1m samples taken direct from static cone splitter or 4m comps taken by spearing 1m samples. Field standards and duplicates inserted at regular intervals.
		No details on sampling are available on historical RC holes WRC027 – WRC058 or diamond core holes WCD01<02.
		Historical Geological logging of RC is available in historic reports. Downhole surveys of dip and azimuth were taken as single shots by the driller with every 50 to 100m depending on depth of hole. The drill-hole collar locations were recorded using a hand-held GPS, which has an accuracy of +/- 10m.
		Current RC Programme
		No new drilling reported.
		The RC drilling rig has a cone splitter built into the cyclone on the rig. Samples are taken on a one meter basis and collected directly from the splitter into uniquely numbered calico bags. The calico bag contains a representative sample from the drill return for that metre. This results in a representative sample being taken from drill return, for that metre of drilling. The remaining



Criteria	JORC Code explanation	Commentary
		majority of the sample return for that metre is collected and stored in a green plastic bag marked with that specific metre interval. The cyclone is blown through with compressed air after each plastic and calico sample bag is removed. If wet sample or clays are encountered, then the cyclone is opened and cleaned manually and with the aid of a compressed air gun.
		Geological logging of RC chips is completed at site with representative chips being stored in drill chip trays. Downhole surveys of dip and azimuth are conducted using a single shot camera every 50m to 100m to detect deviations of the hole from the planned dip and azimuth (every 10m for close spaced infill drilling. The drill-hole collar locations were recorded using a hand held GPS, which has an accuracy of +/- 10m. At a later date the drillhole collar may be surveyed with a DGPS to a greater degree of accuracy (close spaced infill drilling is pegged and picked up with DGPS).
	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	Rock Chip Sampling: samples are selected specifically to give an understanding of mineralisation/alteration styles and minerals present.
	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	RC Sampling: Sampling is done from the 1m splits in altered or mineralised rock and at 4m composites in unaltered/unmineralised rock.
	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.	Diamond sampling: Sampling is done from geological boundaries identified by a geologist. The intervals are based on structure, alteration, veining and mineralisation. Samples no smaller than 20cm and no bigger than 1.3m are taken. The core is cut in two with a core cutting machine.
		KRR Samples are assayed by ALS Laboratory for multi <elements (inductively="" a="" acid="" analysis="" and="" assay="" assayed="" atomic="" au,="" being="" by="" coupled="" dependent="" digest="" either="" element="" emission="" fire="" followed="" for="" four="" grade="" icp<aes="" icp<aes.<="" icp<ms="" mass="" multi="" on="" or="" pd="" plasma="" processed="" pt="" ranges).="" spectrometry)="" spectroscopy)="" td="" using="" with=""></elements>
		Laboratory QAQC procedures summary:
		Following drying of samples at 85°C in a fan forced gas oven, material <3kg was pulverised to 85% passing 75µm in a LM<5 with samples >3kg passing through a 50:50 riffle split prior to pulverisation. Fire assay was undertaken on a 30g charge using lead flux Ag collector fire assay with aqua regia digestion and ICP <aes 0.25g="" a="" acid="" acids="" and="" combination="" completed="" determination="" digestion.="" element="" finish.="" for="" four="" hydrofluoric="" icp<aes="" icp<ms="" including="" instrumentation.<="" methodology="" multiple="" near="" of="" on="" td="" total="" undertaken="" using="" was="" with=""></aes>
Drilling techniques	Drill type (e.g. core, reverse circulation, open <hole (e.g.="" air="" and="" auger,="" bangka,="" bit="" blast,="" core="" depth="" details="" diameter,="" diamond="" etc.)="" face<sampling="" hammer,="" of="" or="" other<="" rotary="" sonic,="" standard="" tails,="" td="" triple="" tube,=""><td>Historic Drilling:</td></hole>	Historic Drilling:



Criteria	JORC Code explanation	Commentary
	type, whether core is oriented and if so, by what method, etc.).	Drill type was Reverse Circulation (RC) and Diamond Core (DC).
		RC holes were drilled with a standard face sampling 5.5" RC hammer.
		RC holes (WRC<001 – WRC<026) was drilled by Grovebrook Drilling using a GMC 150 rig mounted on a Mercedes Benz 4x4 model 1750l Unimog with a Ingersoll <rand (08wrc059<08wrc088)="" (1150="" 1800cfm="" 2100="" 3.5="" 350="" 400psi="" 500="" 750="" 800psi="" 825cfm="" <="" @="" a="" air="" and="" at="" board="" booster="" by="" cfm="" compressor="" cummins="" drilled="" drilling="" engine.="" flooded="" head="" holes="" horsepower="" hr="" hydco="" inch="" kl150="" ktta19="" ltd,="" model="" mounted="" oil="" on="" psi="" pty="" ranger="" rc="" research="" rig="" rig).<="" rods.="" rotary="" rpm="" screw="" services="" speed="" stage="" sullair="" td="" twin="" two="" used="" using="" was="" with=""></rand>
		DC holes (NQ) were drilled by Orbit Drilling using a Toyota Landcruiser mounted rig.
		Current RC Programme
		No new drilling reported.
		The RC drilling uses a 140 mm diameter face hammer tool. High capacity air compressors on the drill rig are used to ensure a continuously sealed and high pressure system during drilling to maximise the recovery of the drill cuttings, and to ensure chips remain dry to the maximum extent possible.
		Diamond core was drilled with HQ3 split tube to preserve structure and core integrity in oxide material, orientations where taken every run or where possible.
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed, Measures taken to maximise sample recovery and ensure representative nature of the samples. Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of	Historic Drilling: Sample quality of historical data is unknown however all quoted data has been checked against previous ASX reported tables and intersects by experienced KRR geologists. ASX and departmental reports were of a high standard demonstrating Northern Stars professional standards.
	fine/coarse material.	Current RC/DDH Programme
		No new drilling reported.
		RC samples are visually checked for recovery, moisture and contamination.
		Geological logging is completed at site with representative RC chips stored in chip trays and core in diamond core trays.
		RC Samples are collected using cone or riffle splitter. Geological logging of RC chips is completed at site with representative chips being stored in drill chip trays.



Criteria	JORC Code explanation	Commentary
		Diamond core was drilled with HQ3 split tube to preserve structure and core integrity in oxide material, orientations where taken every run or where possible.
		To date, no detailed analysis to determine the relationship between sample recovery and grade has been undertaken for any drill program. This analysis will be conducted following any economic discovery.
		The nature of epithermal gold <silver<copper and="" any="" are="" bias="" competent="" considered="" due="" felsic="" gain.<="" host="" issue="" loss="" material="" mineralisation="" of="" or="" possible="" quartz="" reduce="" sample="" significantly="" td="" to="" veins="" volcanics="" within=""></silver<copper>
Logging	Whether core and chip samples have been geologically and	Historic Drilling:
	geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.	Holes were geologically logged. KRR will make enquiries as to whether any historic chip trays were kept/stored.
	<ul> <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>	Current RC/DDH Programme
		No new drilling reported.
		Geological logging is carried out on all drill holes with lithology, alteration, mineralisation, structure and veining recorded.
		Logging of records lithology, mineralogy, mineralisation, structures (foliation), weathering, colour and other noticeable features. Selected mineralised intervals were photographed in both dry and wet form.
		All drill holes are geologically logged in full and detailed lithogeochemical information is collected by the field XRF unit to help determine potential mineralised intersections. The data relating to the elements analysed is used to determine further information regarding the detailed rock composition and mineralised intervals.
Sub <sampling< td=""><td>If core, whether cut or sawn and whether quarter, half or all core</td><td>Historic Drilling:</td></sampling<>	If core, whether cut or sawn and whether quarter, half or all core	Historic Drilling:
techniques and sample	taken.  o If non <core, and<="" etc.="" riffled,="" rotary="" sampled,="" split,="" td="" tube="" whether=""><td><ul> <li>KRR will make enquiries as to whether any historic chip trays/diamond trays were kept/stored.</li> </ul></td></core,>	<ul> <li>KRR will make enquiries as to whether any historic chip trays/diamond trays were kept/stored.</li> </ul>
preparation	whether sampled wet or dry.	The sample type and method was of a high standard, and all data was checked against
	sample preparation technique.	previously reported ASX announcements.
	<ul> <li>Quality control procedures adopted for all sub<sampling stages="" to<br="">maximise representivity of samples.</sampling></li> </ul>	The sample sizes are considered to be appropriate to correctly represent the



Criteria	JORC Code explanation	Commentary
	<ul> <li>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	gold <silver<copper (crms)="" (epithermal="" 20th="" 35="" 75="" 78="" 9001:2008.="" a="" aid="" also="" analytical="" and="" any="" appropriate="" are="" assay="" at="" available.="" based="" be="" before="" being="" bias="" blank,="" blanks="" can="" certified="" chip="" chips="" client="" collected="" completed="" cone="" considered="" consistency="" consists="" core="" correctly="" crms="" current="" ddh="" diamond="" drill="" drilling="" dry="" duplicate="" duplicates="" duplicates.="" eliminate="" ensure="" entire="" errors,="" every="" facility="" field="" fire="" for="" form.="" geological="" gold<silver="" half="" in="" includes="" including="" intersections="" introduced="" is="" iso="" logging="" lot="" material="" materials="" maximise="" maximising="" method="" method,="" methodology.="" methodology.<="" microns="" mineralisation="" minimum="" mt="" multi-selement="" new="" no="" of="" on="" one="" or="" potential="" preparation="" procedures="" programme="" project="" pulverised="" qc="" quartz="" rc="" reference="" remarkable="" removes="" reported.="" represent="" representative="" representivity="" riffle="" run="" sample="" sampled="" samples="" samples.="" sampling="" saw.="" significant="" site="" sizes="" splitter="" stage.="" standards="" stored="" style="" sub-sample="" sub-sampling="" taken="" taken.="" td="" that="" the="" thickness="" this="" three="" to="" trays.="" two="" up="" use="" using="" vein),="" were="" when="" with=""></silver<copper>
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.	Rock Chip Samples: Rock chip samples as received from the field are being assayed by ALS Laboratory for multi-elements using either a four acid digest (nitric, hydrochloric, hydrofluoric and perchloric acids) followed by multi element analysis with ICP-AES (Inductively coupled plasma atomic emission spectroscopy) or ICP-MS (Inductively coupled plasma mass spectrometry)



Criteria	JORC Code explanation	Commentary
		analysis dependent on element being assayed for and grade ranges). Au, Pt and Pd processed by fire assay and analysis with ICP-AES. The analytical facility is certified to a minimum of ISO 9001:2008.
		Historical holes (WRC<001 – WRC<032) 1 metre samples analysed using 50g lead collection with ICP Optical (Atomic) Emission.  o Historical holes (WRD<001 – WRD<002) Samples analysed using 50g lead collection fire assay and analysed by flame Atomic Absorption Spectrometry and 25 gram Aqua <regia (08wrc059<08wrc088)="" (approximate)="" (atomic)="" (so="" (wrc<033="" 1="" 40g="" 40gm="" 45="" a="" acids="" acids.="" ag,="" also="" analysed="" and="" aqua="" as,="" at="" au,="" ba,="" bi,="" by="" coupled="" cu,="" degrees="" determined="" digest="" digested="" disc="" dried="" efficient="" emission.="" enhanced="" extraction="" extremely="" fe,="" finished="" firing="" for="" gold.="" hg="" hg,="" historical="" holes="" hydrochloric="" hydrofluoric,="" icp="" icpms="" icpoes.<="" in="" including="" inductively="" is="" k="" mass="" metre="" mixture="" mn,="" mo,="" necessary="" nitric,="" not="" o="" of="" only="" optical="" partial="" pb,="" pd="" pd,="" perchloric="" plasma="" portion="" pt,="" pulverised="" pulveriser.="" rb,="" refluxed="" regia="" regia.="" s,="" sample.="" samples="" sb,="" sorted,="" spectrometry="" split="" sr,="" td="" te="" test="" th,="" the="" then="" this="" tl,="" to="" trace,="" u,="" ultra="" using="" vaporised)="" vibrating="" w,="" was="" were="" where="" with="" wrc<058)="" zn,="" –=""></regia>
		Current RC/DDH Programme
		No new drilling reported.  RC and diamond drill samples as received from the field are being assayed by ALS Laboratory for multi <elements (inductively="" (nitric,="" 9001:2008.<="" a="" acid="" acids)="" analysis="" analytical="" and="" assay="" assayed="" atomic="" au,="" being="" by="" certified="" coupled="" dependent="" digest="" either="" element="" emission="" facility="" fire="" followed="" for="" four="" grade="" hydrochloric,="" hydrofluoric="" icp<aes="" icp<aes.="" icp<ms="" is="" iso="" mass="" minimum="" multi="" of="" on="" or="" pd="" perchloric="" plasma="" processed="" pt="" ranges).="" spectrometry)="" spectroscopy)="" td="" the="" to="" using="" with=""></elements>
	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.	A handheld XRF instrument (Niton XRF Model XL3T 950 Analyser) is used to systematically analyse the RC chips onsite. Reading time was 60 seconds. The instruments are serviced and calibrated at least once a year. Field calibration of the XRF instrument using standards is undertaken each day. If It is mentioned in the text that gold was detected by the niton – actual values are not quoted and the results are used as an interpretive tool for further drill hole design.



Criteria	JORC Code explanation	Commentary
		Detection of gold by the niton device is not considered reliable as it is possible that a mineral with similar characteristics was detected.
	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.	Rock Chip Samples: Laboratory QA/QC involves the use of internal lab standards using certified reference material, blanks, splits and replicates as part of in house procedures. The Company will also submit an independent set of field duplicates (see above).
		RC and diamond Samples: Laboratory QA/QC involves the use of internal lab standards using certified reference material, blanks, splits and replicates as part of in house procedures. The Company will also submit an independent set of field duplicates (see above).
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	Rock Chip Samples: Data entry carried out by field personnel thus minimizing transcription or other errors. Careful field documentation procedures and rigorous database validation ensure that field and assay data are merged accurately. Significant intersections are verified by the Company's Chief Geologist and Senior Consulting Geologist.
		RC and diamond Samples: Data entry carried out by field personnel thus minimizing transcription or other errors. Careful field documentation procedures and rigorous database validation ensure that field and assay data are merged accurately. Significant intersections are verified by the Company's Chief Geologist and Senior Consulting Geologist.
	The use of twinned holes.	KRR has conducted validation drilling of a selection of the historic holes including twin and scissor drilling.
Verification of sampling and assaying (continued)	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Rock Chip Samples: Geological data was collected using handwritten log sheets and imported in the field onto a laptop detailing geology (weathering, structure, alteration, mineralisation), sampling quality and intervals, sample numbers, QA/QC and survey data. This data, together with the assay data received from the laboratory and subsequent survey data was entered into the Company's database.
		Historic Drilling:
		o All quoted data has been checked against previous ASX reported tables and intersections by experienced KRR geologists.
		o Rigorous database validation ensures assay data are compiled accurately.
		o No adjustments have been made to the historic assay data.
		o WRD001 was drilled to twin WRC<018 with sampling produced similar grades. WRD002 was drilled near WRC<021 with grades also comparable to the RC equivalent.  Current RC/DDH Programme



Criteria	JORC Code explanation	Commentary
		Geological data was collected using handwritten log sheets and imported in the field onto a laptop detailing geology (weathering, structure, alteration, mineralisation), sampling quality and intervals, sample numbers, QA/QC and survey data. This data, together with the assay data received from the laboratory and subsequent survey data was entered into the Company's database.
	Discuss any adjustment to assay data.	No adjustments or calibrations will be made to any primary assay data collected for the purpose of reporting assay grades and mineralised intervals.
Location of data points	Accuracy and quality of surveys used to locate drill holes (collar and down <hole and="" estimation.<="" in="" locations="" mine="" mineral="" other="" resource="" surveys),="" td="" trenches,="" used="" workings=""><td>Rock Chip Samples: Rock sample locations picked up with hand held GPS (sufficient for first pass reconnaissance).  Historic Drilling  o Holes pegged and picked up with hand held GPS 4&lt;10m accuracy. End of hole down hole survey single shots were taken with an electronic multishot tool for most holes. Some holes were surveyed with a multishot camera.  o All locations reported in GDA94 Zone 52.  o Location of most drill holes checked by KRR during reconnaissance using hand held gps.  Current RC/DDH Programme  No new drilling reported.  GPS pickups of exploration and step out drilling is considered adequate however infill drilling at the main Trudi vein requires more accurate pickups so a DGPS has been used. KRR has picked</td></hole>	Rock Chip Samples: Rock sample locations picked up with hand held GPS (sufficient for first pass reconnaissance).  Historic Drilling  o Holes pegged and picked up with hand held GPS 4<10m accuracy. End of hole down hole survey single shots were taken with an electronic multishot tool for most holes. Some holes were surveyed with a multishot camera.  o All locations reported in GDA94 Zone 52.  o Location of most drill holes checked by KRR during reconnaissance using hand held gps.  Current RC/DDH Programme  No new drilling reported.  GPS pickups of exploration and step out drilling is considered adequate however infill drilling at the main Trudi vein requires more accurate pickups so a DGPS has been used. KRR has picked
	Specification of the grid system used.	up historic and KRR holes with a sub metre accuracy DGPS.  All rock samples, drill collar and geophysical sample locations recorded in GDA94 Zone 52.
	Quality and adequacy of topographic control.	Rock Chip Samples: Topographic locations interpreted from GPS pickups (barometric altimeter), DEMs and field observations. Adequate for first pass reconnaissance. Best estimated RLs were assigned during drilling and are to be corrected at a later stage.  Historic Drilling: Topographic locations interpreted from GPS and DGPS pickups, DEMs and field observations (m RL). Some holes have no RL levels listed in the historic data and KRR will calculate these depths based on DEMs and later field observations/hole pickups.  Current RC/DDH Programme



Criteria	JORC Code explanation	Commentary
		No new drilling reported.
		Topographic locations interpreted from GPS pickups (barometric altimeter), DGPS pickups, DEMs and field observations. Adequate for first pass reconnaissance. Best estimated RLs were assigned during drilling and are to be corrected at a later stage. For infill drilling at the main Trudi vein DGPS pickups are used. KRR has picked up historic and KRR holes with a sub metre accuracy DGPS.
Data spacing and distribution	Data spacing for reporting of Exploration Results.	Rock Chip Samples: Surface rock chip samples taken of outcrop with visible alteration or mineralisation. Rock samples were selected by geologist to assist with identification of the nature of the mineralisation present at each location. No set sample spacing was used and samples were taken based on geological variation at the location.
		Historic Drilling:
		Sample spacing was based on expected target structure width, transported overburden, depth of weathering, expected depth of hole penetration and sectional horizontal coverage of each hole at 60 degrees dip.
		Current RC/DDH Programme
		No new drilling reported.
		The current close spaced drilling is on a 5m spaced vein intersection grid based on interpretation of structure. Deeper Grid Holes at 10m spacing. Exploration holes vary from 20m to 500m spacing.
	Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral	Rock Chip Sampling: Rock chip samples were taken at specific sites of geological interest and not for JORC classification.
	Resource and Ore Reserve estimation procedure(s) and classifications applied.	Historic Drilling:
		Sample spacing was based on expected target structure width, transported overburden, depth of weathering, expected depth of hole penetration and sectional horizontal coverage of each hole at 60 degrees dip. Drilling at the Mt Remarkable Project is at the exploration stage and mineralisation and not yet appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications to be applied.
		Current RC/DDH Programme
		No new drilling reported.



Criteria	JORC Code explanation	Commentary
		Drilling at the Project is at the exploration stage and mineralisation has not yet demonstrated to be sufficient in both geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications to be applied.
	Whether sample compositing has been applied.	Historic Drilling:
		RC drill samples were taken at one metre lengths and adjusted where necessary to reflect local variations in geology or where visible mineralised zones are encountered, in order to preserve the samples as representative.
		Current RC/DDH Programme
		No new drilling reported.
		RC drill samples are taken at one metre lengths and adjusted where necessary to reflect local variations in geology or where visible mineralised zones are encountered, in order to preserve the samples as representative.
		Diamond sampling: Sampling is done from geological boundaries identified by a geologist. The intervals are based on structure, alteration, veining and mineralisation. Samples no smaller than 20cm and no bigger than 1.3m are taken. The core is cut in two with a core cutting machine.
Orientation of data in relation to geological structure	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.	Rock Chip Sampling: Surface rock chip samples do not provide orientation, width information.  Associated structural measurements and interpretation by geologist can assist in understanding geological context.  Historic Drilling:
		The drill holes were drilled at an angle of -60 degrees (unless otherwise stated) on an azimuth designed to intersect the modelled mineralised zones at a near perpendicular orientation. However, the orientation of key structures may be locally variable.
		Current RC/DDH Programme
		No new drilling reported.
		The drill holes are drilled at an angle from -50 to 74 degrees (unless otherwise stated) on an azimuth designed to intersect the modelled mineralised zones at a near perpendicular orientation. However, the orientation of key structures may be locally variable and any relationship to mineralisation has yet to be identified.
	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.	No orientation-based sampling bias has been identified in the data to date.
Sample security	The measures taken to ensure sample security.	KRR Samples: Chain of Custody is managed by the Company until samples pass to a duly certified assay laboratory for subsampling and assaying. The rock chip and RC sample bags are



Criteria	JORC Code explanation	Commentary
		stored on secure sites and delivered to the assay laboratory by the Company or a competent agent. When in transit, they are kept in locked premises. Transport logs have been set up to track the progress of samples. The chain of custody passes upon delivery of the samples to the assay laboratory.
		Library samples collected and slabbed to allow resampling and further analysis where required during and after the wet season. Pulps will be stored until final results have been fully interpreted.  Historic Samples:  o Sample security is not discussed in the historic data/reports, however all quoted data has been checked against previous ASX reported tables and intersections by experienced KRR geologists. A well known and highly respectable lab –Ultra Trace – was used for analysis.
Audits or Reviews	The results of ay audits or reviews of sampling techniques and data.	Sampling techniques and procedures are regularly reviewed internally, as is data. To date, no external audits have been completed on the drilling programme.



### **SECTION 2: REPORTING OF EXPLORATION RESULTS**

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.  The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	The Mt Remarkable Project consists of ten tenements, 8 granted exploration licences and 2 applications listed in table 1; 100% owned by Speewah Mining Pty Ltd (a wholly owned subsidiary of King River Resources Limited) the licences are located 200km SW of Kununurra in the NE Kimberley. The tenements are in good standing and no known impediments exist. The following native title claims partially or wholly cover the tenements: Yurriyangem Taam (WC2010/13), Malarngowem (WC1999/044), Ngarrawanji (WC1996/075) and Yarrangi Riwi Yoowarni Gooniyandi (WC2012/010).  Speewah Mining also holds tenements within the Speewah Dome to the north.
		The Tennant Creek Project comprises 14 granted exploration licences and two exploration application licences. Details are listed in Table 2. The tenements are 100% owned by Treasure Creek Pty Ltd (a wholly owned subsidiary of King River Resources Limited), located over the Tennant Creek-Davenport Inliers, south, east and south east of Tennant Creek in the Northern Territory. The tenements are applications and have not yet been granted. The Kurundi Native Title Claim (DCD2011/015) covers the Kurundi Pastoral Lease PPL 1109 affecting EL31623, 31624, 31626, 31628, 31629, EL32199 and EL32200. The Davenport and Murchison Ranges sites of conservation significance affect portions of EL31626, 31627, 31628, 31629, EL32199, EL32200, EL32344 and EL32345.
Exploration done by other	Acknowledgment and appraisal of exploration by other parties.	Mt Remarkable: Exploration by previous holders is listed in the 'other substantive exploration' section of this table. Historical licences were E80/2427 and E80/4001.
parties		o Ashton JV (1974<1983) – Kimberlite exploration including stream sediment sampling. Several kimberlites identified in the region outside current tenement.
		o Uranerz Australia Ltd (1980 to 1982) – Uranium/Base Metal Exploration including stream sampling, geological mapping, ground magnetics and radiometry. Middleton Prospect (Cu <pb<mo) (ne="" identified="" new="" of="" portion="" td="" tenement).<=""></pb<mo)>
		o Hunter Resources (1988<1991) – Gold exploration including BLEG stream sampling, no anomalous values.
		o Panorama Resources NL (1993<1998) – Kimberlite/Base Metal and Gold exploration including stream, rock chip and RC drilling. 6 RC holes at Middleton Prospect (within current tenement) with no significant gold. Rock Chip sampling along strike at Middleton had no anomalous gold however one sample assayed 64ppm Ag, 8.38% Cu 600m north of Middleton.
		o Northern Star Resources were the last holders of the ground (2003<2009) – see the 'other substantive exploration' section of this table.



Criteria	JORC Code explanation	Commentary
		Treasure Creek:
		Tennant Creek mineral field has had a long history of exploration and mining (since 1933). Historical exploration around the main Tenant Creek Gold Field primarily included work by Giants Reef, Peko, Posiedon, Roebuck, Normandy (later Newmont) and Tennant Creek Gold. Exploration was primarily based on geophysical surveys targeting coincident gravity and ground magnetic anomalies, followed by RC or diamond drilling. Lines of RAB or Aircore holes were also drilled where specific geophysical models were not present. Currently the bulk of the Tennant Creek mineral field is held by Emmerson Resources. Treasure Creeks applications are outside of the main gold field (except ELA31619) extending from Tennant Creek to Hatches Creek gold fields. Historic exploration over the applications east of the Stuart highway has been sparse and sporadic, with companies including Giants Reef, Normandy, Newmont doing minimal, if any, on ground work (on ground work included a few very broad spaced RAB lines). In the early to mid-2000's Arafura completed some broad spaced soil samples but relinquished the ground without pursuing any anomalies that were discovered. Applications west of the highway cover ground that was involved in exploration around the Rover Gold Field, including companies such as Geopeko, Giants Reef, Newmont, Western Desert Resources and Tennant Creek Gold. Exploration included magnetic and gravity surveys, geophysical analysis, targeted RC and diamond drilling. The applications in this area cover significant IOCG targets generated from this work. EL31617 covers ground held by Tennant Creek Gold/Western Desert Resources as part of their Rover Exploration Project which they relinquished in 2014 in favour of their developing iron ore projects. Rock chip sample results referred to at Kurundi and Whistle Duck were taken were taken by various companies in the 1960's.
Geology	Deposit type, geological setting and style of mineralisation.	Exploration at Mt Remarkable is targeting low to intermediate sulphidation epithermal gold <silver<copper (iocg)="" and="" at="" complexities="" creek="" creek-davenport="" cu<au="" exist="" exploration="" for="" gold="" grade="" high="" in="" inliers.<="" iron="" is="" kimberly="" level="" lithologies="" lithostructural="" mineralisation="" ne="" of="" oxide-copper="" porphyry="" potential="" proterozoic="" rocks.="" settings,="" several="" shallow="" structural="" style="" systems="" targeting="" targets="" td="" tennant="" the="" traps.="" treasure="" within=""></silver<copper>
Drill hole 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:  o easting and northing of the drill hole collar o elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar o dip and azimuth of the hole	Drill information reported in this announcement relates to KRR's intended commencement of gold exploration at its Tennant Creek and Mt Remarkable projects. Targets and areas of exploration are presented in Figures 1 to 9.



Criteria	JORC Code explanation	Commentary
	<ul> <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 and="" are="" be="" grades="" material="" should="" stated.<="" td="" usually=""><td>Rock Chip Samples: No weighting averaging techniques or maximum/minimum grade truncations used in the laboratory assays reported. Cut-off grades of 1ppb or 2g/t Ag have been used in reporting the rock chip sample exploration results (Table 1).  Drill intersections:  o Intersections calculated using a weighted average of grade vs metres.  Also:  o No metal equivalent calculations used.  o No upper cuts used in intersection calculations.</td></off>	Rock Chip Samples: No weighting averaging techniques or maximum/minimum grade truncations used in the laboratory assays reported. Cut-off grades of 1ppb or 2g/t Ag have been used in reporting the rock chip sample exploration results (Table 1).  Drill intersections:  o Intersections calculated using a weighted average of grade vs metres.  Also:  o No metal equivalent calculations used.  o No upper cuts used in intersection calculations.
	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.  The assumptions used for any reporting of metal equivalent values	No new results are reported. The downhole drill intersects in this report have been reported as averages of the interval >0.1g/t Au and up to 2m of internal waste. Where high grades are included in an interval then they are quoted as 'including'. Individual sample results for each intersection that is listed are given in Table 2.  No metal equivalent values are used for reporting exploration results.
Relationship between mineralisation widths and intercept lengths	should be clearly stated.  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 (e.g. 'down hole length, true width not known').	o Down hole widths have been quoted in this report. Main targeted structures are sub vertical meaning true widths will be approximately 1/2 to 2/3rds of the quoted width. o Drill holes were drilled perpendicular to structure strike where possible. o Mt Remarkable is a newly acquired project and a full interpretation of the respective prospects is still yet to be done. KRR believes that additional high-grade targets will be revealed with further drilling and after a full geological review of the project is completed.
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.	Figure 1 shows a long projection showing location of previously reported drilling on the Trudi Vein and the current drill target areas. Figure 2 and 3 shows plans showing tenement, project and target locations.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	Reports on recent exploration can be found in ASX Releases that are available on our website at <a href="https://www.kingrivercopper.com.au">www.kingrivercopper.com.au</a> . The exploration results reported are representative of the mineralisation style with grades and/or widths reported in a consistent manner.
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.	The last holders of the Mt Remarkable ground were Northern Star Resources Ltd who initially were exploring the tenement as a private company in 2002<2003. Northern Star Resources were listed as an ASX company in 2004 and from 2004<2009 undertook airborne magnetics and radiometric surveys, GAIP and DDIP geophysical surveys, soil/stream sediment/rock chip sampling. Also three phases of RC drilling were completed, and two diamond core holes were



Criteria	JORC Code explanation	Commentary
		drilled. Towards the end of their tenure Northern Star employed a consultant geologist to review the project.
Further work	The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large <scale and="" areas="" areas,="" clearly="" commercially="" diagrams="" drilling="" drilling).="" extensions,="" future="" geological="" highlighting="" including="" information="" interpretations="" is="" main="" not="" of="" possible="" provided="" sensitive.<="" step<out="" td="" the="" this=""><td>Exploration at Mt Remarkable aims to extend current high-grade gold mineralisation, identify new high-grade shoots on known mineralised veins and identify new mineralised veins/structures. Drilling has commenced and further reconnaissance is planned at Mt Remarkable early next dry season.</td></scale>	Exploration at Mt Remarkable aims to extend current high-grade gold mineralisation, identify new high-grade shoots on known mineralised veins and identify new mineralised veins/structures. Drilling has commenced and further reconnaissance is planned at Mt Remarkable early next dry season.