

Australian Securities Exchange Announcement

2/08/2019

## New Licence Applications: Treasure Creek Gold Project

The Board of King River Resources Ltd (ASX:KRR) is very pleased to advise that it has applied for two highly prospective tenements in the Tennant Creek Region. These new exploration licence applications will supplement the company's existing Treasure Creek Iron Oxide Copper Gold (IOCG) exploration holdings, which consists of 12 other granted exploration licences, in the Tennant Creek/Rover/Davenport Region. The holdings now cover a total area of over 6,800 square kilometres (see Figure 1 and Table 1).

The Tennant Creek and Rover gold fields are host to high-grade Iron Oxide Copper Gold deposits with over 5.5M ozs Au mined from Tennant Creek and a resource of 1.2M ozs Au at Rover 1. The Treasure Creek holdings cover areas along strike of the Tennant Creek and Rover Gold Fields as well as covering areas of similar stratigraphic and structural settings to the south east of these fields. Past exploration in these areas has been brief, sporadic and disjointed, with many target areas likely to be under shallow cover. The company believes that, with the application of systematic exploration and new/advanced geophysical techniques, significant gold discovery could be made.

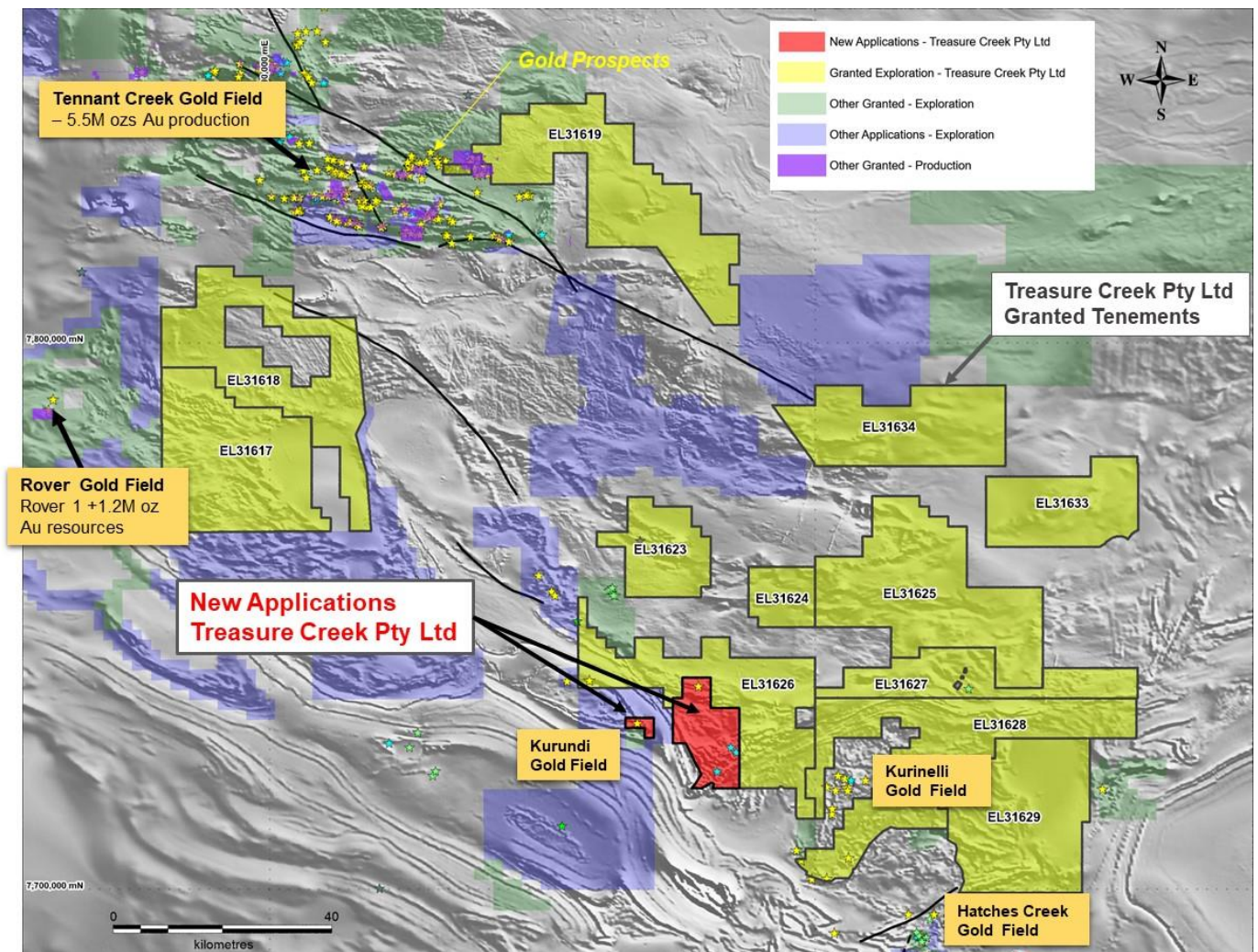


Figure 1: Map showing location of King River Resources's new exploration licence applications, granted exploration licences and relevant gold prospects.

The two new exploration licence applications, held in the name of Treasure Creek Pty Ltd - a wholly owned subsidiary of KRR, cover some very prospective ground for high grade copper gold mineralisation.

New application EL32199 covers the Whistle Duck–Edmirringee trend (where historic rock chip sampling returned 5% Cu and 13g/t Au) which continues into KRR’s tenement, EL31626, to the east. Also the northern part of the application covers Warramunga formation rocks (which are host the Tennant Creek and Rover gold fields) and includes the Davidson Gold prospect.

New application EL31626 covers a part of the Kurundi Anticline and covers the Kurundi historic gold mine (historic underground mine and open pit) where historic rock chip sampling over 5g/t Au and Copper values up to 9.7%. NTGS reports that an estimated 25-75kg of gold was mined from historic workings in the Kurundi Gold field.

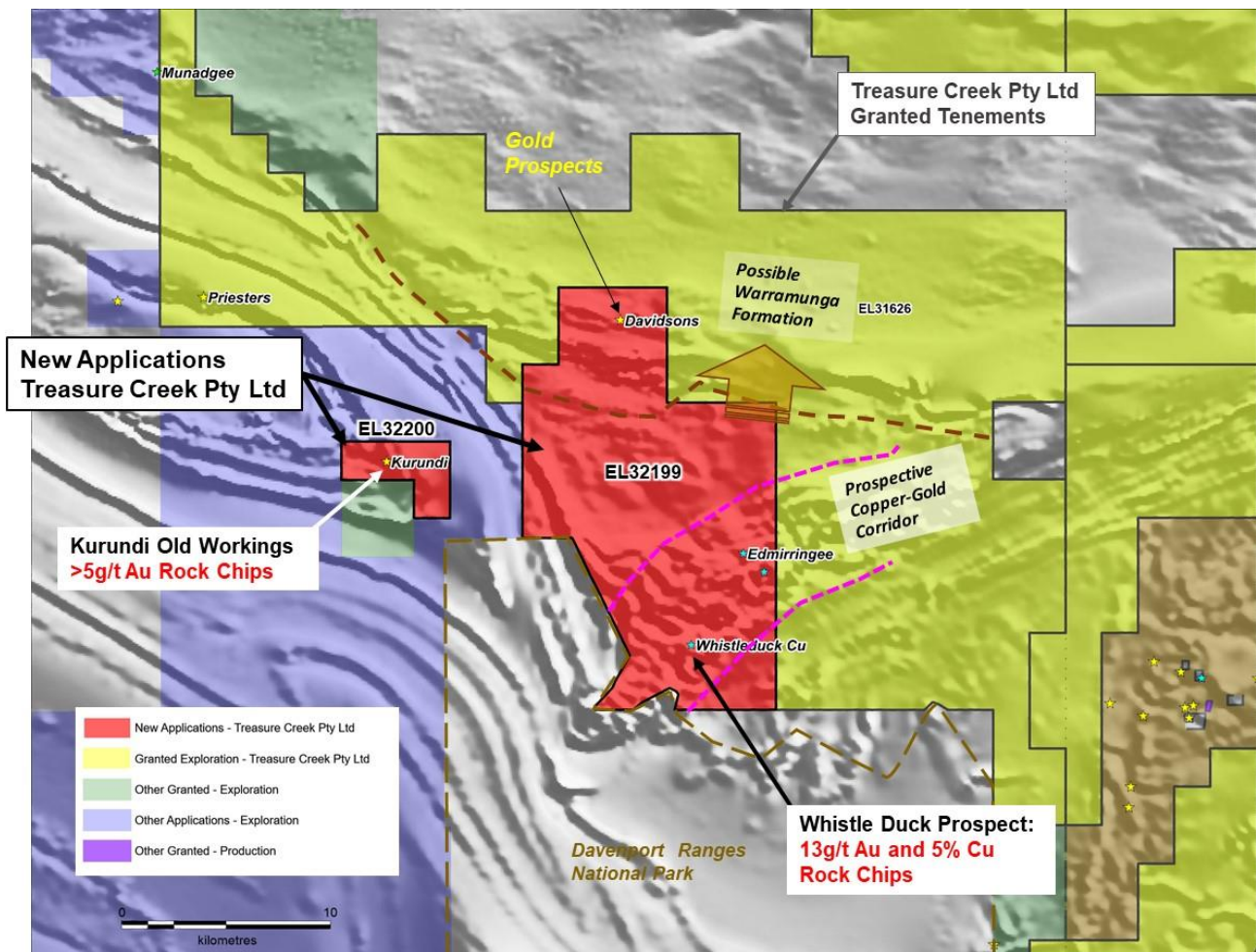


Figure 2: Map showing King River Resources new applications EL32199 and EL32200 and relevant prospects.

KRR is engaging in a detailed geological and geophysical review of all its Treasure Creek tenements and has already identified multiple copper-gold targets within the granted licences.

On ground geophysical surveys followed by drilling is planned at the most mature of these targets on two priority granted tenements (EL31617 and EL31619). EL31617 covers the under-explored eastern extension of the Rover Gold Field that hosts numerous ironstone bodies with characteristic copper-gold +/- cobalt, silver and bismuth mineralisation. EL31619 covers the under-explored eastern extension of the Tennant Creek Mineral Field and includes part of the Lone Star IOCG trend. Environmental approvals for the planned drilling are now underway



**Table 1: KRR's Treasure Creek Exploration Licences**

Tenement	Status	Application Date	Grant Date	Expiry Date	Company	# Grat Blocks	Area Sq Km
EL31624	Grant	18/06/2018	18/06/2018	17/06/2024	Treasure Creek Pty Ltd	41	132.1
EL31623	Grant	20/08/2018	20/08/2018	19/08/2024	Treasure Creek Pty Ltd	84	262.1
EL31627	Grant	20/08/2018	20/08/2018	19/08/2024	Treasure Creek Pty Ltd	105	337.4
EL31633	Grant	14/12/2018	14/12/2018	13/12/2024	Treasure Creek Pty Ltd	122	381.1
EL31634	Grant	14/12/2018	14/12/2018	13/12/2024	Treasure Creek Pty Ltd	168	526.0
EL31626	Grant	18/06/2018	18/06/2018	17/06/2024	Treasure Creek Pty Ltd	184	591.7
EL31618	Grant	26/10/2018	26/10/2018	25/10/2024	Treasure Creek Pty Ltd	226	664.5
EL31629	Grant	26/10/2018	26/10/2018	25/10/2024	Treasure Creek Pty Ltd	232	685.8
EL31619	Grant	26/04/2018	26/04/2018	25/04/2024	Treasure Creek Pty Ltd	244	743.1
EL31617	Grant	26/04/2018	26/04/2018	25/04/2024	Treasure Creek Pty Ltd	237	712.0
EL31628	Grant	20/08/2018	20/08/2018	19/08/2024	Treasure Creek Pty Ltd	250	777.9
EL31625	Grant	20/08/2018	20/08/2018	19/08/2024	Treasure Creek Pty Ltd	250	805.3
EL32199	Application	22/07/2019			Treasure Creek Pty Ltd	59	178.2
EL32200	Application	22/07/2019			Treasure Creek Pty Ltd	4	12.9
						<b>Total Sq Km:</b>	<b>6810.0</b>

### **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.

## Appendix 1: King River Resources Limited, Treasure Creek Project 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	<i>Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling.</i>	This ASX Release reports on the application for 2 new Exploration Licences in the Northern Territory. No sampling has yet to be undertaken by KRR.
	<i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i>	Not applicable as drilling results have not been included in this release.
	<i>Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.</i>	No sampling has yet to be undertaken by KRR.
Drilling techniques	<i>Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc.).</i>	Not applicable as drilling results have not been included in this release.
Drill sample recovery	<i>Method of recording and assessing core and chip sample recoveries and results assessed.</i>	Not applicable as drilling results have not been included in this release.
	<i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i>	Not applicable as drilling results have not been included in this release.
	<i>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.</i>	Not applicable as drilling results have not been included in this release.
Logging	<i>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i>	Not applicable as drilling results have not been included in this release.
	<i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.</i>	Not applicable as drilling results have not been included in this release.
	<i>The total length and percentage of the relevant intersections logged.</i>	Not applicable as drilling results have not been included in this release.

Criteria	JORC Code explanation	Commentary
Sub-sampling techniques and sample preparation	<i>If core, whether cut or sawn and whether quarter, half or all core taken.</i>	Not applicable as drilling results have not been included in this release.
	<i>If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.</i>	Not applicable as drilling results have not been included in this release.
	<i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i>	Not applicable as drilling results have not been included in this release.
	<i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i>	Not applicable as drilling results have not been included in this release.
	<i>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</i>	Not applicable as drilling results have not been included in this release.
	<i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i>	Not applicable as drilling results have not been included in this release.
Quality of assay data and laboratory tests	<i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i>	Not applicable as assay results have not been reported in this release.
	<i>For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i>	Not applicable as geophysical results have not been reported in this release
	<i>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.</i>	Not applicable as assay results have not been reported in this release.
Verification of sampling and assaying	<i>The verification of significant intersections by either independent or alternative company personnel.</i>	Not applicable as sampling or assay results have not been reported in this release.
	<i>The use of twinned holes.</i>	Not applicable as drilling results have not been included in this release.
	<i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i>	Not applicable as sampling or assay results have not been reported in this release.
	<i>Discuss any adjustment to assay data.</i>	Not applicable as sampling or assay results have not been reported in this release.

<i>Location of data points</i>	<i>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i>	Not applicable as sampling, drilling or assay results have not been reported in this release.
	<i>Specification of the grid system used.</i>	Tenement applications recorded in GDA94 Zone 53.
	<i>Quality and adequacy of topographic control.</i>	Not applicable as sampling, drilling or assay results have not been reported in this release.
<i>Data spacing and distribution</i>	<i>Data spacing for reporting of Exploration Results.</i>	Not applicable as sampling, drilling or assay results have not been reported in this release.
	<i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i>	Not applicable as sampling, drilling or assay results have not been reported in this release.
	<i>Whether sample compositing has been applied.</i>	Not applicable as sampling, drilling or assay results have not been reported in this release.
<i>Orientation of data in relation to geological structure</i>	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i>	Not applicable as sampling, drilling or assay results have not been reported in this release.
	<i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i>	Not applicable as drilling or assay results have not been reported in this release.
<i>Sample security</i>	<i>The measures taken to ensure sample security.</i>	Not applicable as sampling, drilling or assay results have not been reported in this release.
<i>Audits or Reviews</i>	<i>The results of any audits or reviews of sampling techniques and data.</i>	Not applicable as sampling, drilling or assay results have not been reported in this release. To date, no external audits have been completed on any programmes.

## SECTION 2 : REPORTING OF EXPLORATION RESULTS

Criteria	JORC Code explanation	Commentary
<i>Mineral tenement and land tenure status</i>	<p><i>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</i></p> <p><i>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</i></p>	<p>The Tennant Creek Project comprises 12 granted exploration licences and two exploration application licences. Details are listed in Table 1. 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 and EL32200.</p>
<i>Exploration done by other parties</i>	<p><i>Acknowledgment and appraisal of exploration by other parties.</i></p>	<p>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.</p>
<i>Geology</i>	<p><i>Deposit type, geological setting and style of mineralisation.</i></p>	<p>Exploration is targeting Iron Oxide-Copper Gold (IOCG) style of mineralisation in several settings, lithologies and structural complexities within the Proterozoic Tennant Creek-Davenport Inliers.</p>

<p><i>Drill hole Information</i></p>	<p><i>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:</i></p> <ul style="list-style-type: none"> <li>○ <i>easting and northing of the drill hole collar</i></li> <li>○ <i>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</i></li> <li>○ <i>dip and azimuth of the hole</i></li> <li>○ <i>down hole length and interception depth</i></li> <li>○ <i>hole length.</i></li> <li>○ <i>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</i></li> </ul>	<p>Not applicable as drilling results have not been included in this release.</p>
<p><i>Data aggregation methods</i></p>	<p><i>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.</i></p>	<p>Not applicable as sampling, drilling or assay results have not been reported in this release.</p>
	<p><i>Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</i></p>	<p>Not applicable as sampling, drilling or assay results have not been reported in this release.</p>
	<p><i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i></p>	<p>Not applicable as sampling, drilling or assay results have not been reported in this release.</p>
<p><i>Relationship between mineralisation widths and intercept lengths</i></p>	<p><i>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').</i></p>	<p>Not applicable as sampling, drilling or assay results have not been reported in this release.</p>
<p><i>Diagrams</i></p>	<p><i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</i></p>	<p>Maps are included in the body of the ASX Release (see Figure 1 and 2).</p>
<p><i>Balanced reporting</i></p>	<p><i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</i></p>	<p>Not applicable as sampling, drilling or assay results have not been reported in this release.</p>
<p><i>Other substantive exploration data</i></p>	<p><i>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i></p>	<p>KRR has not completed any previous exploration on these new tenement applications.</p>



<i>Further work</i>	<i>The nature and scale of planned further work (e.g. 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.</i>	KRR plans to implement a focused, thorough exploration process utilising contemporary geophysical and exploration techniques with new theories and some litho-structural targeting criteria that we believe may not have been applied in these areas. Onground geophysics followed by drill targeting is planned for this year on EL31617 and EL31619.
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