

20 July 2021

Jervois Copper Mine Project Mineral Resource Drilling Update

-) 11,373 metres completed with 2 rigs**
 -) Assays received for a further 9 drillholes from Reward deposit**
 -) Reward deposit drilling confirms significant Silver by-product potential**
 -) All holes intersected copper, broadly consistent with the mineral resource model and mine plan**
 -) Large-scale IP-Resistivity survey commenced**
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KGL Resources Limited (ASX: KGL) (KGL or the Company) reports good progress on the resource development drilling program at Jervois with assay results received for a further 9 holes.

Since the recommencement of drilling on 16th February 2021:

-) 39 holes have been successfully completed for a total of 11,373 metres.
-) Of that meterage, 3,449 were reverse-circulation (RC), comprising mainly pre-collars for holes which were subsequently completed by diamond drilling.
-) The remaining 7,924 metres were diamond drilling of either HQ or NQ size.

KGL Executive Chairman Denis Wood comments:

“The focus of the drilling program remains firmly on improving the JORC classification of the mineral resource estimates as part of the current Feasibility Study for the Jervois Copper Mine Project. It is encouraging that drilling is continuing to delineate significant development potential at Jervois ahead of the planned Feasibility Study. Nonetheless, the logistical challenges presented by the COVID-19 pandemic have impacted significantly on the availability of the FIFO staff who have been restricted in cross-border movements to access the site. Consequently, drilling operations have needed to be reduced to one shift at times. This has delayed the move to exploration drilling, now a few months away.

“The results of the resource development drilling, including the assays reported here, are in line with expectations. However the assaying results continue to highlight the silver by-product potential for enhancing the project economics and marketability of the Jervois project.”

Despite the operating restrictions imposed by COVID, the Jervois team have utilised the time to complete a comprehensive review of 60 years' worth of geophysics. Subsequently KGL has recently commenced a major exploration initiative and investment, comprising a 70 line-kilometre IP-Resistivity survey. This will target the famous Jervois J-fold which is the major structure hosting the JORC Resources. There are significant sections of the prospective J-fold which have not been surveyed by modern electrical geophysics. This survey will rectify this deficiency and will include infilling and extending the current Reward North trend to improve the 3D inversion model and enhance drill targeting as well as the highly prospective section of the J-fold, between Rockface and Reward.

The most recent assay results reported below are all from the Reward deposit.

Figure 1, below, is a long-section of the Marshall, Main, Deeps North and Deeps South lodes, which collectively make up the largest portion of the Reward mineral deposit. The most significant recent intersections associated with these lodes are shown. Figure 2 similarly shows the intersections related to the East FW and East HW lodes, which are 50-100 metres east and strike parallel to the Figure 1 structures. Table 1 provides a detailed list of all the intersections.

The drilling targeted segments of the mineral resource model that required additional information to improve the JORC classification; principally to re-classify mineralisation from Inferred category to Indicated category. Drilling was aimed at the margins of the known lodes and in parts of the model where ambiguity

existed. For this reason, the results were sometimes lower grades, over thinner intervals, than the main or central portions of the mineralised lodes but are in line with expectations.

Broadly, the new drilling has confirmed the geological interpretations underpinning the 2020 mineral resource estimate at Reward.

This announcement is authorised by the Board of Directors.

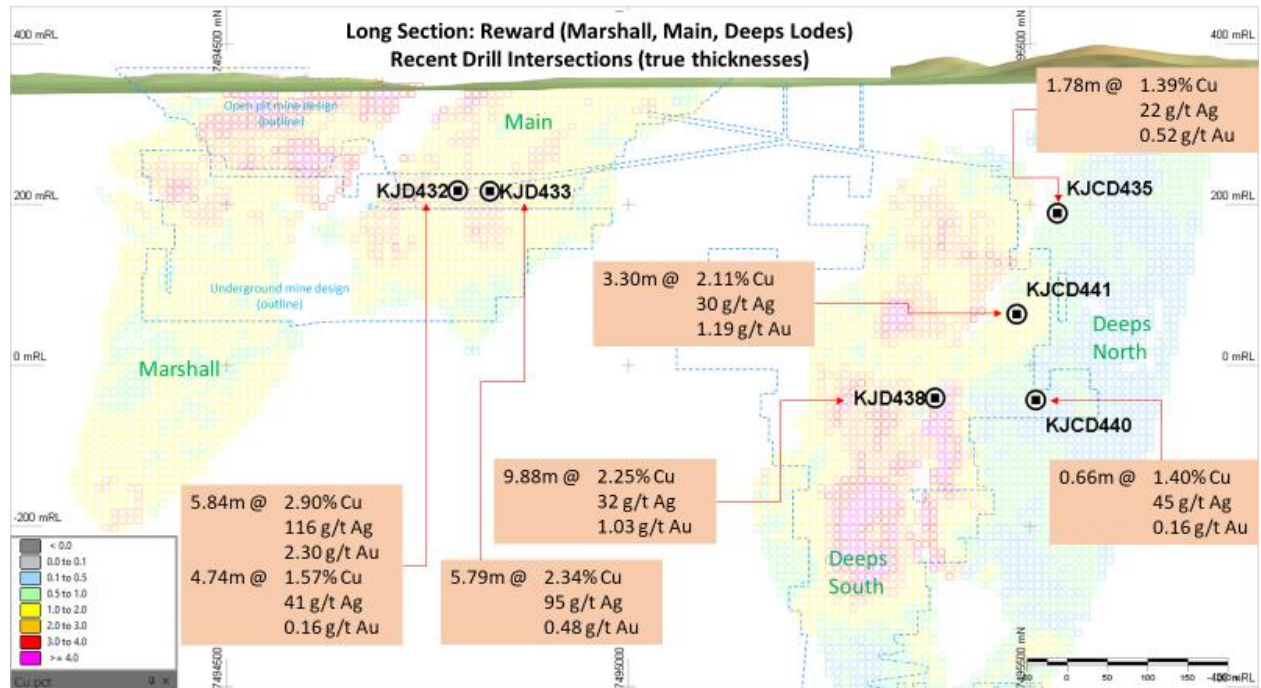


Figure 1 Longitudinal projection of the Reward Deposit mineral resource block model (blocks coloured according to copper grade), showing the Marshall, Main, Deeps South and Deeps North lodes and the most significant recent drill intersections from each completed hole. Further details of the intersections are in **Error! Reference source not found.** An outline of the most recent mine design is shown for reference.

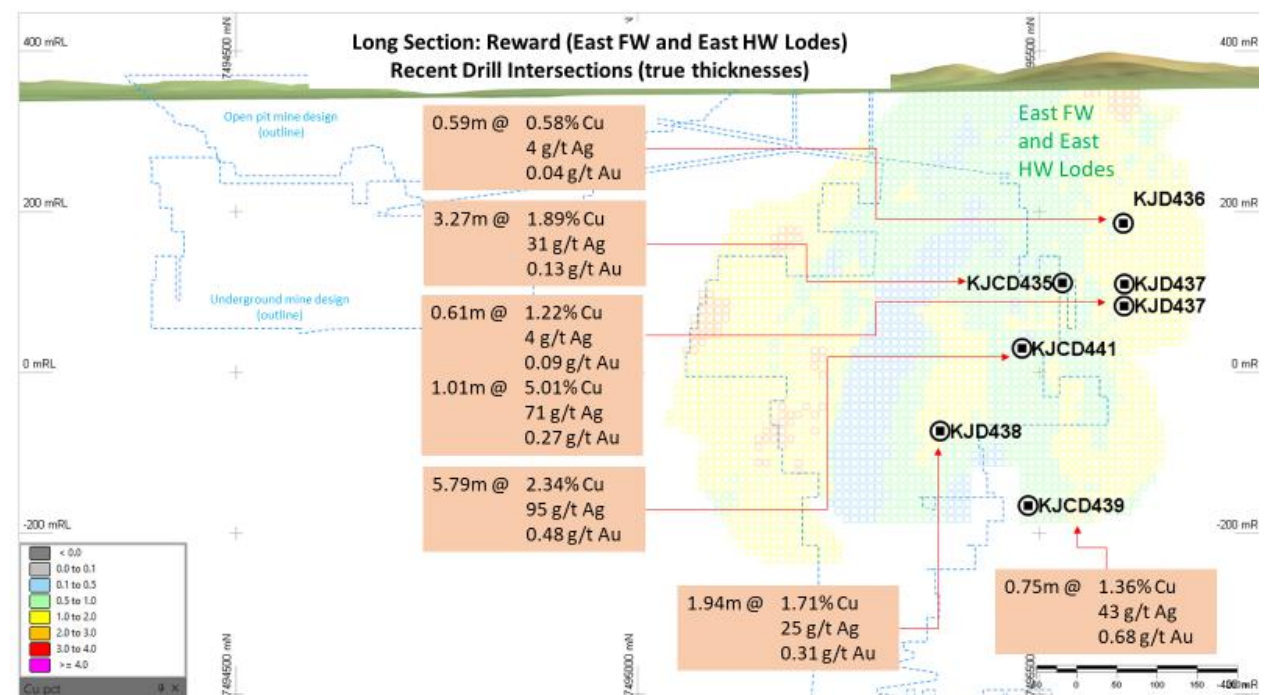


Figure 2: Longitudinal projection of the Reward Deposit mineral resource block model (blocks coloured according to copper grade), showing the East HW and East FW lodes and the most significant recent drill intersections from each completed hole. Further details of the intersections are in **Error! Reference source not found.** An outline of the most recent mine design is shown for reference.

Hole_ID	Depth_From m	Depth_To m	Downhole Thickness m	True Thickness m	Cu %	Ag g/t	Au g/t
KJD432	146.59	155.14	8.55	5.84	2.90	115.89	2.30
	158.41	168.33	6.94	4.74	1.57	41.16	0.16
KJD433	133.10	136.20	3.10	1.71	0.85	8.50	0.11
	139.02	149.50	10.48	5.79	2.34	95.10	0.48
	163.11	163.99	0.88	0.49	2.52	35.90	0.08
	169.58	172.07	2.49	1.38	1.60	8.70	0.19
KJCD435	192.41	195.25	2.84	1.78	1.39	21.5	0.52
	291.34	296.34	5.00	3.27	1.89	31.1	0.13
	304.67	305.55	0.88	0.56	1.24	9.8	0.10
KJCD436	216.61	217.30	0.69	0.59	0.58	4.1	0.04
KJCD437	156.00	157.00	1.00	0.55	0.82	4.1	0.01
	159.00	160.00	1.00	0.55	0.62	2.8	0.00
	270.50	271.50	1.00	0.61	1.22	4.2	0.09
	301.01	302.68	1.67	1.01	5.01	71.0	0.25
KJCD438	481.94	495.15	13.21	9.88	2.25	31.9	1.03
	540.00	542.05	2.05	1.94	1.71	24.5	0.31
	544.00	545.00	1.00	0.95	1.03	23.7	0.14
KJCD439	613.80	614.60	0.80	0.75	1.36	43.4	0.68
KJCD440	462.59	463.60	1.01	0.66	1.40	45.4	0.16
KJCD441	335.00	339.90	4.90	3.30	2.11	30.2	1.19
	381.70	382.70	1.00	0.90	1.09	2.0	0.05

Table 1: Length-weighted mineralised intersections compiled from assay results from drilling at Jervois Project, Reward Deposit. N.B. to maintain consistency with the most recent mineral resource estimate, if an intercept is above 200mRL then the cut off is 0.5% Cu, if below 200mRL then the cut off is 1.0% Cu. Eastings and Northings are found in Table 1.2 Section 2.

Competent Persons Statements

The information in this announcement that relates to Exploration Targets and Exploration Results is based on data compiled by John Levings BSc, a Competent Person who is a Fellow of The Australasian Institute of Mining and Metallurgy. Mr Levings is Principal Geologist for the Company. Mr Levings has sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activity, which is being undertaking to qualify as a Competent Person as defined in the 2012 Edition of 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Levings consents to the inclusion in the announcement of the matters based on his information in the form and context in which it appears.

1 JORC Code, 2012 Edition – Table 1

1.1 Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

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 taken as limiting the broad meaning of sampling.) Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.) 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.	) At Reward diamond drilling and reverse circulation (RC) drilling were used to obtain samples for geological logging and assaying. The core samples comprised a mixture of sawn HQ quarter core, sawn NQ half core and possibly BQ half core (historical drilling only). Sample lengths are generally 1m, but at times length were adjusted to take into account geological variations. RC sample intervals are predominantly 1m intervals with some 2 and 4m compositing (historical holes only)..) RC samples are routinely scanned by KGL Resources with a Niton XRF. Samples assaying greater than 0.1% Cu, Pb or Zn are submitted for analysis at a commercial laboratory.) Mineralisation at all deposits is characterized by disseminations, veinlets and large masses of chalcopyrite, associated with magnetite-rich alteration within a psammite. The mineralisation has textures indicative of structural emplacement within specific strata i.e. the mineral appears stratabound.) Documentation of the historical drilling (pre-2011) for Reward is variable.
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 what method, etc).	) The KGL and previous Jinka-Minerals RC drilling was conducted using a reverse circulation rig with a 5.25-inch face-sampling bit. Diamond drilling was either in NQ2 or HQ3 drill diameters. Metallurgical diamond drilling (JMET holes) were PQ) There is no documentation for the historic drilling techniques.) Diamond drilling was generally cored from surface with some of the deeper holes at Rockface and Reward utilizing RC pre-collars.) Oriented core has been measured for the recent KGL drilling.
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 fine/coarse material.	) The KGL RC samples were not weighed on a regular basis but when completed no sample recovery issues were encountered during the drilling program.) Jinka Minerals and KGL split the rare overweight samples (>3kg) for assay. Since overweight samples were rarely reported no sample bias was established between sample recovery and grade.) Core recovery for recent drilling is >95% with the mineral zones having virtually 100% recovery.) No evidence has been found for any relationship between sample recovery and copper grade and there are no biases in the sampling with respect to copper grade

Criteria	JORC Code explanation	Commentary
		and recovery.
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.) The total length and percentage of the relevant intersections logged.	) All KGL RC and diamond core samples are geologically logged. Logging in conjunction with multi-element assays is appropriate for mineral resource estimation.) Core samples are also orientated and logged for geotechnical information.) All logging has been converted to quantitative and qualitative codes in the KGL Access database.) All relevant intersections were logged.) Paper logs existed for the historical drilling. There is very little historical core available for inspection.
Sub-sampling techniques and sample preparation	) If core, whether cut or sawn and whether quarter, half or all core taken.) If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.) For all sample types, the nature, quality and appropriateness of the sample preparation technique.) Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.) 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.) Whether sample sizes are appropriate to the grain size of the material being sampled.	) The following describes the recent KGL sampling and assaying process: – RC drill holes are sampled at 1m intervals and split using a cone splitter attached to the cyclone to generate a split of ~3kg; – RC sample splits (~3kg) are pulverized to 85% passing 75 microns. – Diamond core was quartered with a diamond saw and generally sampled at 1m intervals with samples lengths adjusted at geological contacts; – Diamond core samples are crushed to 70% passing 2mm and then pulverized to 85% passing 75 microns. – Two quarter core field duplicates were taken for every 20m samples by Jinka Minerals and KGL Resources. – All sampling methods and sample sizes are deemed appropriate for mineral resource estimation) Details for the historical sampling are not available.
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.) 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.) 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.	) The KGL drilling has QAQC data that includes standards, duplicates and laboratory checks. In ore zones standards are added at a ratio of 1:10 and duplicates and blanks 1:20.) Base metal samples are assayed using a four-acid digest with an ICP AES finish. Gold samples are assayed by Aqua Regia with an ICP MS finish. Samples over 1ppm Au are re-assayed by Fire Assay with an AAS finish.) There are no details of the historic drill sample assaying or any QAQC.) All assay methods were deemed appropriate at the time of undertaking.
Verification of sampling and assaying	) The verification of significant intersections by either independent or alternative company personnel.) The use of twinned holes.) Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.) Discuss any adjustment to assay data.	) Data is validated on entry into the MS Access database, using Database check queries and Maxwell's DataShed.) Further validation is conducted when data is imported into Micromine and Leapfrog Geo software) Hole twinning was occasionally conducted at Reward with mixed results. This may be due to inaccuracies with historic hole locations rather than mineral continuity

Criteria	JORC Code explanation	Commentary
		issues.) For the resource estimation below detection values were converted to half the lower detection limit.
Location of data points	) 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.) Specification of the grid system used.) Quality and adequacy of topographic control.	) For the KGL drilling surface collar surveys were picked up using a Trimble DGPS, with accuracy to 1 cm or better.) Downhole surveys were taken during drilling with a Ranger or Reflex survey tool at 30m intervals) All drilling by Jinka Minerals and KGL is referenced on the MGA 94 Zone 53 grid. All downhole magnetic surveys were converted to MGA 94 grid.) For Reward there are concerns about the accuracy of some of the historic drillhole collars. There are virtually no preserved historic collars for checking.) There is no documentation for the downhole survey method for the historic drilling.) Topography was mapped using Trimble DGPS and LIDAR
Data spacing and distribution	) Data spacing for reporting of Exploration Results.) 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.) Whether sample compositing has been applied.	) Drilling at Rockface was on nominal 50m centres with downhole sampling on 1m intervals.) Drilling at Reward was on 25m spaced sections in the upper part of the mineralisation extending to 50m centres with depth and ultimately reaching 100m spacing on the periphery of mineralisation.) For Reward shallow oxide RC drilling was conducted on 80m spaced traverses with holes 10m apart.) The drill spacing for all areas is appropriate for resource estimation and the relevant classifications applied.) A small amount of sample compositing has been applied to some of the near surface historic drilling.
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.) 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.	) Holes were drilled perpendicular to the strike of the mineralization; the default angle is -60 degrees, but holes vary from -45 to -80.) Drilling orientations are considered appropriate and no obvious sampling bias was detected.
Sample security	) The measures taken to ensure sample security.	) Samples were stored in sealed polyweave bags on site and transported to the laboratory at regular intervals by KGL staff or a transport contractor.
Audits or reviews	) The results of any audits or reviews of sampling techniques and data.	) The sampling techniques are regularly reviewed internally and by external consultants.

1.2 Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

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 Jervois Project is within EL25429 and EL28082 100% owned by Jinka Minerals and operated by Kentor Minerals (NT), both wholly owned subsidiaries of KGL Resources.) The Jervois Project is covered by Mineral Claims and an Exploration licence owned by KGL Resources subsidiary Jinka Minerals.																																																																						
Exploration done by other parties	) Acknowledgment and appraisal of exploration by other parties.	) Previous exploration has primarily been conducted by Reward Minerals, MIM and Plenty River.																																																																						
Geology	) Deposit type, geological setting and style of mineralisation.	) EL25429 and EL28082 lie on the Huckitta 1: 250 000 map sheet (SF 53-11). The tenement is located mainly within the Palaeo-Proterozoic Bonya Schist on the northeastern boundary of the Arunta Orogenic Domain. The Arunta Orogenic Domain in the north western part of the tenement is overlain unconformably by Neo-Proterozoic sediments of the Georgina Basin.) The stratabound mineralisation for the project consists of a series of complex, narrow, structurally controlled, sub-vertical sulphide/magnetite-rich deposits hosted by Proterozoic-aged, amphibolite grade metamorphosed sediments of the Arunta Inlier.) Mineralisation is characterised by veinlets and disseminations of chalcopyrite in association with magnetite. In the oxide zone which is vertically limited malachite, azurite, chalcocite are the main Cu-minerals.) Massive to semi-massive galena in association with sphalerite occur locally in high grade lenses of limited extent with oxide equivalents including cerussite and anglesite in the oxide zone. Generally, these lenses are associated with more carbonate-rich host rocks occurring at Green Parrot, Reward and Bellbird North.																																																																						
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 eastings 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 o down hole length and interception depth o hole length.) 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.	<table><tr><th>Hole_ID</th><th>Easting</th><th>Northing</th><th>RL</th><th>Depth</th><th>Dip</th><th>Grid Az</th></tr><tr><td>KJD432</td><td>630,258.3</td><td>7,494,779.5</td><td>345.3</td><td>217.1</td><td>-58.9</td><td>085.3</td></tr><tr><td>KJD433</td><td>630,274.8</td><td>7,494,826.4</td><td>345.8</td><td>209.9</td><td>-61.8</td><td>089.7</td></tr><tr><td>KJCD435</td><td>630,325.4</td><td>7,495,541.5</td><td>353.1</td><td>399.6</td><td>-60.6</td><td>091.0</td></tr><tr><td>KJCD436</td><td>630,373.4</td><td>7,495,609.7</td><td>355.4</td><td>315.9</td><td>-55.4</td><td>090.5</td></tr><tr><td>KJCD437</td><td>630,371.8</td><td>7,495,609.8</td><td>355.5</td><td>396.7</td><td>-68.2</td><td>089.0</td></tr><tr><td>KJCD438</td><td>630,092.9</td><td>7,495,403.7</td><td>349.0</td><td>620.7</td><td>-60.0</td><td>090.6</td></tr><tr><td>KJCD439</td><td>630,168.7</td><td>7,495,515.6</td><td>350.2</td><td>720.7</td><td>-66.6</td><td>089.4</td></tr><tr><td>KJCD440</td><td>630,169.1</td><td>7,495,515.4</td><td>350.4</td><td>601.1</td><td>-66.0</td><td>093.0</td></tr><tr><td>KJCD441</td><td>630,252.2</td><td>7,495,506.1</td><td>355.0</td><td>489.8</td><td>-62.4</td><td>093.9</td></tr></table>) For intercept depths please see Table 1 in the body of the report	Hole_ID	Easting	Northing	RL	Depth	Dip	Grid Az	KJD432	630,258.3	7,494,779.5	345.3	217.1	-58.9	085.3	KJD433	630,274.8	7,494,826.4	345.8	209.9	-61.8	089.7	KJCD435	630,325.4	7,495,541.5	353.1	399.6	-60.6	091.0	KJCD436	630,373.4	7,495,609.7	355.4	315.9	-55.4	090.5	KJCD437	630,371.8	7,495,609.8	355.5	396.7	-68.2	089.0	KJCD438	630,092.9	7,495,403.7	349.0	620.7	-60.0	090.6	KJCD439	630,168.7	7,495,515.6	350.2	720.7	-66.6	089.4	KJCD440	630,169.1	7,495,515.4	350.4	601.1	-66.0	093.0	KJCD441	630,252.2	7,495,506.1	355.0	489.8	-62.4	093.9
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Data aggregation methods	) In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.) 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 should be clearly stated.	) Minimum grade truncation 0.5%Cu for intercepts above 200m RL) Minimum grade truncation 1.0%Cu for intercepts below 200m RL) Aggregate intercepts use length-weighting) No top-cuts are applied nor considered necessary) No metal equivalents are used																																																																						
Relationship between mineralisation	) These relationships are particularly important in the reporting of Exploration Results.) If the geometry of the mineralisation with respect to the drill	) In the main deposit areas, the geometry of the lodes is well known and is used to estimate true widths, which are quoted in the report																																																																						

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<i>widths and intercept lengths</i>	) <i>hole angle is known, its nature should be reported.</i>) <i>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</i>	
<i>Diagrams</i>	) <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>	) Refer Figures 1 and 2 in the report
<i>Balanced reporting</i>	) <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>	) Results for all holes are reported according to the Data Aggregation Methods stated above
<i>Other substantive exploration data</i>	) <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>	) Outcrop mapping of exploration targets using Real time DGPS.) IP, Magnetism, Gravity, Downhole EM are all used for targeting) Metallurgical studies are well advanced including recovery of the payable metals including Cu, Ag and Au.) Deleterious elements such as Pb Zn Bi and F are modelled
<i>Further work</i>	) <i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i>) <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i>	) The current report relates to infill and mineral resource confirmatory drilling and is ongoing) Brownfields and greenfield drilling has also commenced) Additional IP and DHEM surveys are planned