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The Company Announcements Office ASX Limited Via E Lodgement

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Geological Setting of High Grade Gold Discovery at Croydon

HIGHLIGHTS

- A regional geological review together with follow up geochemistry results from Top Camp confirms the Tabba Tabba shear zone provides a structural link between Top Camp, where CZR recently intersected 8m @ 10.2 g/t gold, including 1 m @ 66.1 g/t and the new high-grade Hemi gold discovery.
- CZR's review indicates the gold deposits in the Mallina Basin region share features with other major intrusion-related gold provinces in the North American Cordillera, North China Craton, Tian Shan of Western China and Central Asia.
- CZR is planning follow-up drilling at Top Camp and its other highly prospective emerging large-scale gold prospects on E47/2150.

CZR chairman Adam Sierakowski commented "The follow-up geochemistry on the high-grade intersection in CRC007 and other encouraging intercepts from the Company's maiden drill program at Top Camp provides a framework to compare the style and setting of mineralisation in the regional geology with other global intrusion-related gold provinces. The Company has also identified structural links between the new high-grade gold discovery at Hemi and other significant sites of gold mineralisation in the Mallina Basin, including Top Camp and is accelerating plans for further drilling and exploration to expand on the current Croydon drilling success."

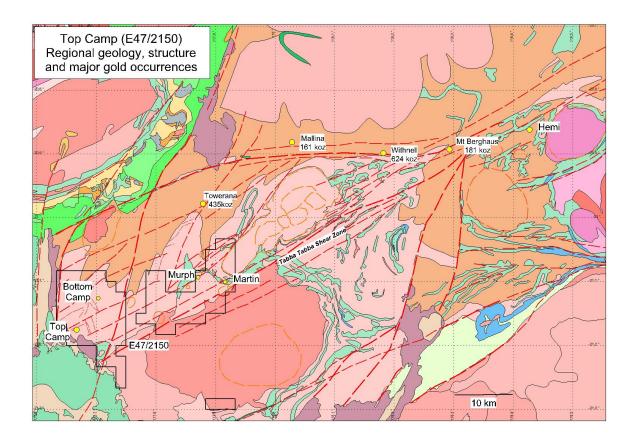


Fig 1 Regional view of the Croydon Project overlain onto the Geological Survey of Western Australia, 1:500,000 scale geological map of the Mallina region and structural interpretation with the location of gold deposits and selected gold occurrences

Coziron Resources Limited (ASX:CZR) ("Coziron" or Company") is pleased to announce that it has now received full-suite whole-rock XRF and trace-element ICP data for CRC004, CRC007, CRC009 and CRC012 which provides representative down-hole assay data for the recently completed drilling programme at Top Camp (Fig 1). The 200 m deep, RC drill-holes inclined at -60° were sampled on 1 metre intervals and significantly, CRC007 reported 8 m @ 10.2 g/t which included 1 m @ 66.1g/t while CRC009 has 7 m @ 1.4g/t including 1 m @ 7.7g/t in CRC009 and CRC012 has a broad 19m @ 0.6g/t (Fig 2; ASX releases 18 December 2019; 6 February 2020).

Following the announcement of the high-grade gold intercepts by De Grey from the Hemi Prospect, a review of the available regional geology and geophysics suggests that the NEtrending Tabba Shear Zone represents a major structure that divides terrains in the basement of the Pilbara. It also appears to control the areas and types of sediments in the Mallina Basin and the localisation of later stage grainitic intrusions. Much of the Mallina Basin is covered by a veneer of outwash and sand but better outcropping areas along some of the major structures associated with the Tabba Tabba system are contributing to a growing inventory of gold resources. The prospectivity along the structure is increasing by the drill-discovery of high-grade intercepts at Hemi and Top Camp.

At the Top Camp prospect on E47/2150, surface samples overlying calcareous turbidites in the Mallina Basin covering an area of about 400m by 1.5km report high-tenor anomalism in gold with arsenic, antimony and tungsten (ASX releases; 20 September 2018, 25 July 2019, 11 October 2019, 11 November 2019). The recently completed 13 hole RC programme intercepted a number of zones with gold mineralisation (ASX release 6 February 2020). Down-hole full-suite geochemistry obtained for four of the 13 holes shows that the intervals

of elevated gold are strongly correlated with significantly higher tungsten, sulphur and antinomy and traces of thallium, molybdenum and bismuth (eg Fig 3). The gold and gold-associated pathfinder elements are enclosed by a broader halo of arsenic-rich rocks.

The trace-element association suggests that the gold-bearing fluids were derived from an intrusion-related source and indicates a potential genetic link to the granitic intrusion that hosts the gold-mineralisation being drilled by De Grey mining at the Towerana deposit. The 30 km distance between Top Camp and the Towerana deposits also opens an opportunity for prospectivity over a broader area of E47/2150 and this is being reflected by geochemical anomalism in reconnaissance surface samples being collected by CZR. The new structural framework derived from an interpretation of the regional geological and magnetic data also shows that most of the gold occurrences on the Top Camp tenement are proximal to major splays from the Tabba Tabba Shear zone. However, on the eastern block of E47/2150 much of the prospective corridors is covered by a veneer of alluvial cover and shallow drilling may be required to determine the potential for mineralisation.

The geochemical and geological evidence for an intrusion-related origin of the gold mineralisation in the Top Camp region now provides a model for exploration and allows comparisons with other well described areas and deposits in the Cordilleran Belts of Alaska and Canada, along the northern margin of the North China Craton and the Tian Shan Belt of Western China and Central Asia.

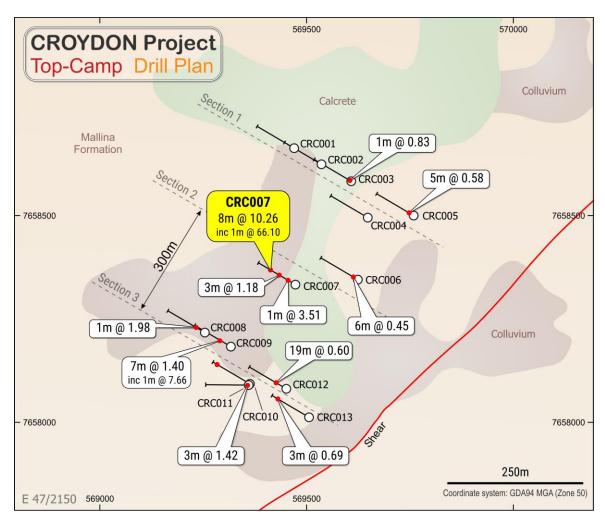


Fig 2 Location and down-hole traces of RC drill-holes CRC001 to CRC013 with significant intercepts in each drill-hole reported as metres at grams/tonne and the traces of the section lines in figures 3 below overlain on the Mt Wohler 1:100,000 geology.

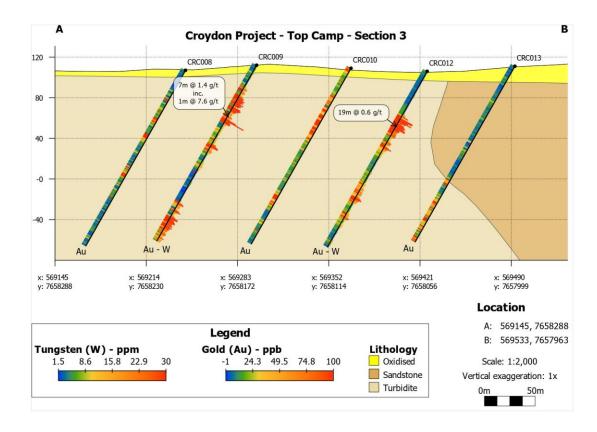


Fig 3 Cross-section 3 from Fig 2 showing the down-hole traces that are marked with significant downhole intercepts (metres at grams/tonne as reported 6 February 2020) also colour coded with down-hole gold on the left and a histogram of tungsten content on the right of the hole trace.

This announcement is authorised for release to the market by the Board of Directors of Coziron Resources Limited.

For further information regarding this announcement please contact Adam Sierakowski or Rob Ramsay on 08 6211 5099.

Competent Persons Statement

The information in this report that relates to mineral resources and exploration results is based on information compiled by Rob Ramsay (BScHons, MSc, PhD) who is a Member of the Australian Institute of Geoscientists. Rob Ramsay is a full-time Consultant Geologist for Coziron and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Rob Ramsay has given his consent to the inclusion in this report of the matters based on the information in the form and context in which it appears.

Appendix 1 – Reporting of exploration results from the Croydon Project - JORC 2012 requirements.

Section 1 Sampling Techniques and Data		
Criteria	JORC Code explanation	Commentary
Sampling techniques	Nature and quality of sampling (eg 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.	Soil and rock-chip samples collected by Coziron in 2018 and 2019 have sample numbers, locality information and descriptions recorded by employees. Auger pulps from the 2012 programme have been stored by Creasy Group with the same sample numbers as was reported for the historical analytical work. CZR has accessed the pulps and is having them selectively re-assayed. A high resolution magnetic and aeromagnetic survey to cover E47/2150 was acquired by CZR in 2018 and

		the independently processed images provide a framework from which much of the basement geology which is covered by a thin veneer of sand and colluvium but prospective for gold and base-metal mineralisation can be interpreted. RC drilling and sampling is undertaken in an industry
	Include reference to measures taken to	standard manner. Coziron collects 1-2kg of either soil from 10 to 20cm depth or rock-chip and described using physical features such as colour, lithology, grain-size and alteration so that repeat samples can be identified and collected from any sites of interest.
	ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	Historical auger samples were collected as 1-2kg from the material being brought to surface at refusal depth. Historical soils were collected as 1-2kg of screened - 2mm from beneath the A (organic-bearing) soil horizon.
		RC drill-bags are inspected to ensure that the volumes recovered in each 1m sample is approximately equal.
	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 (eg 'reverse circulation drilling was	1-2kg of soil and rock-chips were crushed, dried and pulverized. A sub sample was fused and the major oxides and selected trace-element analysis are collected using XRF Spectrometry or laser ablation digest and ICP finish. Gold, platinum and palladium are measured using a fire assay on a 40g sample with an ICP finish to 1ppb detection. All preparation and analytical work was undertaken in controlled conditions at Bureau Veritas Laboratories in Perth, Western Australia.
	used to obtain 1m 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 (eg submarine nodules)	Historical auger and soil samples were assayed using aqua-regia digest and ICP finish. CZR has resubmitted some batches of assay pulps to Bureau Veritas for XRF and Laser ICP analysis of major and trace elements and fire-assay gold on a 40g charge to obtain comparative results for the assay techniques.
	may warrant disclosure of detailed information.	RC drill-holes are sampled on 1m intervals with samples collected from a cone-splitter attached to the side of the rig .Bureau Veritas pulverises the 2-3kg sample pulverised in the laboratory and a 40 gm charge has been used for fire assay of gold. CZR has also re-submitted some batches of assay pulps to Bureau Veritas for XRF and Laser ICP analysis of major and trace elements on a fused disk.
Drilling techniques	Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg 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).	Historical auger samples with typically shallow penetration depths reported in the database were shovel sampled from the spoil heaps. They are regarded as complimentary to soil samples in the centre of the Top Camp area where there has been extensive disturbance by prospector activity. Reverse circulation (RC) holes were drilled with a 5 ½ inch face-sampling hammer.
	Method of recording and assessing core and chip sample recoveries and results assessed. Measures taken to maximise sample	Each auger spoil heap was sampled by the same method with 1-2kg representing a bulked sample of all
Drill sample recovery	recovery and ensure representative nature of the samples.	grain-sizes in the spoil.
Тосохы	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.	RC samples are visually assessed and the volumes in each bag indicated consistent recovery with no bias identified
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.	The auger results are only being used as a bedrock-mapping tool. RC chips were logged for rock-type, veining and alteration and are suitable for untilisation in any future
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.	Rock and RC-chips are described qualitatively for colour and rock-type.
	The total length and percentage of the relevant intersections logged.	RC holes are entirely logged.

	If core, whether cut or sawn and whether	No core was collected for this study
	quarter, half or all core taken.	All soil and historical auger samples were collected as
	If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	a bulk material.
		RC material is subsampled by a cone-splitter attached to the side of the drill-rig and any intervals of wet sampling are recorded.
		Soil samples are 1-2kg of -2mm field screened material collected 5 to 10 cm beneath the surface.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	Rock chip sampling is a method of providing representative surface samples with indications of mineralization to high-light mapped lithologies which require future drill assessment.
		Auger samples were collected by shovel from the spoil heap when the hole reached its maximum depth.
Sub-sampling techniques and sample		RC samples for assay are collected from a cone splitter which is industry standard.
preparation	Quality control procedures adopted for all sub-sampling stages to maximise	The soil and auger samples are collected from a grid with multiple samples collected from each lithology during surface sampling.
	representivity of samples.	RC holes are sampled entirely on 1 m intervals and are appropriate for resource estimation.
	Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half	In early stage exploration, a number of 1-2kg soil and rock-chip samples are collected at different outcrops to provide an indication of compositional variations associated with each lithology.
	sampling.	During the RC drilling, duplicate samples were collected from the splitter at random in a ratio of 1:20.
	Whether sample sizes are appropriate to the grain size of the material being sampled.	In finer grained rocks, 1-2kg is sufficient to provide an indication of lithological composition.
		A 2-3kg cone-split sample collected during drilling of the RC holes is an industry standard for representative sample for resource calcualtions.
	• The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.	Historical analyses using an aqua-regia digest is a common procedure used in early stage exploration to detect geochemical anomalies. It is a partial digest for silicate-rich rocks and in the case of the Croydon area which is carbonate-rich is potentially less effective for liberating gold and trace-elements. As a result, a selection of pulps is being assayed to provide comparative data with results from Bureau Veritas which are used as a standard method by CZR.
		All analyses at Bureau Veritas Laboratories in Perth. Major-element oxides and a suite of 62 minor elements are determined by XRF and laser ablation ICPMS on fused disks. Precious metal (Au, Pt, Pd) is determined by fire assay with ICP finish at a detection limit of 1ppb.
Quality of assay		40gm charge fire assay for gold is an industry standard
data and laboratory tests	For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.	No hand-held instruments were used by CZR for this report.
		Field duplicates are included among the auger-series samples.
	Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	Cone –split RC duplicate samples were collected at random on a ratio of 1:20. Industry accredited blanks and standards are introduced to the sample schedule randomly in the field at a rate of 1:50.
		Laboratory QAQC involves the use of internal lab standards using certified reference material, blanks, splits and replicates as part of their in-house procedures.
		Results highlight that sample assay values are

		accurate and that contamination has been contained.
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	Intersections have not been verified independently.
	The use of twinned holes.	No twinned holes have been reported.
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Assay data is received electronically and uploaded into an Access database. All hand-held GPS locations are checked against the field logs.
	Discuss any adjustment to assay data.	No adjustment or calibrations were made to any assay data presented.
	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.	Sample locations were determined using hand held Garmin 72h GPS units, with an average accuracy of ±3m.
Location of data points	Specification of the grid system used.	The grid system is either Latitude-longitude or MGA GDA94, zone 50, local easting's and northings are in MGA
	Quality and adequacy of topographic control.	SRTM90 is used to provide topographic control and is regarded as being adequate for early stage exploration.
Data spacing and distribution	Data spacing for reporting of Exploration Results.	Reconnaissance rock-chip and the gridded auger and soil sampling is being used to examine prospects with the potential for mineralisation. The first round of RC drilling focussed on testing targets underling a grid of soil and auger samples.
	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.	Rock-chip and soil and auger sampling data is not being used to generate either Mineral Resources or Ore Reserve estimations. There are not yet sufficient drill samples to satisfy a mineral resource estimate.
	Whether sample compositing has been applied.	No data compositing has been applied.
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.	Mineralization is potentially lithologically and structurally controlled and the surface and RC drill sampling is collecting representative material from different lithologies and across the structural trends.
	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.	RC drill holes were oriented to intersect both the geology and structural framework to gather representative samples. Follow-up RC and diamond drilling will be required to provide information to measure or eliminate any bias.
Sample security	The measures taken to ensure sample security.	Samples are collected labelled and transported by Coziron Geologists to a transport company in Karratha from where they are transported directly to Bureau Veritas laboratories in Perth.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	No audits or reviews have been completed.

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.	E47/2150 is held by 100% by Colchis Pty Ltd with Coziron purchasing a 70% interest.
	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 tenement is in good standing and no known impediments exist.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	2019-2018 Prospectors report the count, weight and location of gold nuggets recovered from their 40E permits overlying the tenement. Although the amount of gold being reported is not of commercial significance, the located distribution provides evidence for prospectivity and follow-up geochemical sampling.

2016 – Colchis Pty Ltd completed gridded soils at Middle Valley collecting 250g of -250 micron with samples submitted to Intertek for gold by aquaregia (AR25) and multi-element ICP.

2012 – Colchis Pty Ltd undertook 20 by 20m truck-mounted auger programme at Top Camp for a total of 1589 holes with 2-3kg end of hole sample submitted to Intertek Laboratories in Perth for gold by aqua-regia (AR25) and multi-element ICP.

2002 – Samples collected in 2001 were analysed for Au and diamond indicators by De Beers Australia Exploration Limited.

2001 – Stream Sediments – Ten sites assessed and one sample taken by De Beers Exploration Australia Limited. Assayed for Au by Cyanide Leach and Mass Spectrometry.

In 2000, Bann Geological Services were employed to collect 8 stream sediment samples (split into coarse and fine fractions) 11 soil samples (split into coarse and fine fractions) and 16 rock chips. These samples were assayed for Au by BLEG, B/ETA and B/AAS as well as As by B/AAS].

In 1999, Creasy Group contracted Bann Geological Services to collect 62 streams, 72 soil, 10 rock chips to be assayed for Au by BLEG, Cu, Zn, As, Mo, Ag, Sb, W, Pb by B/MS. An additional 147 streams, 142 soils were collected later in the year

1998 6 costean samples, 15 RC re assays, 1 rock chip were collected and assayed for Au by fire assay and Fe, Cu, Zn, As, Ag, Sb & Pb by B/AAS.

1994 – Costeaning program undertaken by Geochemex on behalf of Creasy Group. 11 Costeans, orientated East-West, were dug in the Top Camp area, totalling 1080 metres. Samples were taken in 2m composites using 1m half PVC pipe. Samples were sent to Genalysis for Au analysis by aqua regia digest with B/ETA, B/AAS, and V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Mo, Ag, Cd, Sb, Te, Tl, Pb, Bi by B/AAS.

15 RC holes were drilled at Top Camp for 704m.

760 soil samples on a 40m x 40m grid on Top Camp. Assayed for Au BLEG, Au B/eta,

1988 – Dry blowing of surface material, 0.25m to 0.5m below surface, where significant nugget gold was found but total gold recovered was not recorded.

1986 – Golden Valley Mines N.L undertook drilling at Golden Valley testing quartz-carbonate breccia in turbidite sequence rocks. 16 holes were drilled for 506m, samples assayed for Au and select samples for As.

		1983 – Alluvial testing by Ingram for Golden Valley Mines N.L where 9*10^6 tonnes of alluvial material was evaluated to have Au grade ranging between 0.5 to 1.5 g/t Au. It was concluded gold is also present in carbonate-quartz veins in carbonate-BIF cores of the anticlines and postulated exhalative style disseminated gold present in the turbidite sequence.
Geology	Deposit type, geological setting and style of mineralisation.	The tenement has a basement of Archaean-age gneissic rocks that appears to have been first overlain by ultramafic mafic to mafic rocks of a greenstone belt that are deformed and metamorphosed and intruded by granites. Turbiditic sediments in the Mallina Basin overlie the basement. These are folded and metamorphosed to greenschist facies and locally intruded by felsic rocks. Unconformably overlying the Mallina sequence are essentially flat-lying sediments and mafic volcanics and intrusives of the Fortescue Group. Gold is reported in faults, shears and granites cutting the Malina Basin metasediments.
	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	All relevant information about the drill-holes in reported in Tables 1 and 2 in the text.
Drill hole	elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar	
Information	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.	
	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.	All intercepts reported are generated by using a 0.3g/t cut-off and 0.5 g by metres and a maximum of two internal metres of waste.
	Where aggregate intercepts incorporate	All samples are of 1 m in length.
Data aggregation methods	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.	No upper cut has been applied to the results.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No metal equivalents are presented.
Relationship between mineralisation widths and intercept lengths	These relationships are particularly important in the reporting of Exploration Results.	The style and geometry of the mineralization have yet to be determined and as such the intercepts reported are down-hole only.
	If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.	Refer to Figures in body of text

	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').	
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.	Refer to Figures in body of text
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.	All relevant samples and significant intersections on the maps, sections and in the text are reported
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.	Mapping, soil and rock-chip sampling will continue over the early-stage gold and base-metal targets while targets with more extensive coverage of soil, auger and rock-chip sampling are being prepared for further drilling.
Further work	The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main	Diamond drilling to provide down-hole structural data to compliment surface geology and infill and extensional RC drilling to better define the extent and tenor of mineralisation.
	geological interpretations and future drilling areas, provided this information is not commercially sensitive.	and terror or minoralisation.