

# **Near Surface High-Grade Gold Target - New Constitution**Prospect, Triumph Project

Further near surface high-grade Au-Ag mineralisation intersected, including:

#### 3m @ 9.5g/t Au, 41g/t Ag, 0.2% Cu from 23m

(drill hole located 75m along strike from 10m @ 26.9g/t Au, 165g/t Ag, 6% Zn¹)

- Mineralisation extends over a 200m strike length and from near surface to a depth greater than 250m below surface
- Additional drilling planned to investigate the potential for a near surface Au-Ag resource

**Metal Bank Limited (ASX: MBK)** is pleased to provide the following drilling update comprising three reverse circulation (RC) drill holes for a total of 234m from the New Constitution prospect, Triumph Project in southeast Queensland, Australia.

The high-grade mineralisation occurs within a plunging zone over the 200m strike length with mineralisation extending from near surface to greater than 250m below surface. Figure 1 shows a long section on the 'discovery structure' and the high-grade target zone based on drilling to date.

Results from this programme provide strong support for the potential to define a near surface high-grade Au-Ag resource at New Constitution. This mineralised zone is one of the multiple parallel structures identified at New Constitution and is one of six prospects (including Big Hans, Super Hans, Bald Hill, Advance and Handbrake Hill), targeted for inclusion in the near surface high-grade Au-Ag resource inventory across the Triumph project.

Tony Schreck, Managing Director of Metal Bank said:

"Our drill results consistently support the potential to define a near surface high-grade gold resource across the Triumph project as we work towards discovering the large bulk tonnage style Au-Cu-Mo systems. Recent exploration by MBK has shown a connection between the high-grade style mineralisation and bulk tonnage style mineralisation on the project which is typical of other large gold deposits in Eastern Australia."



<sup>&</sup>lt;sup>1</sup> MBK ASX Release 05 Sept 2016



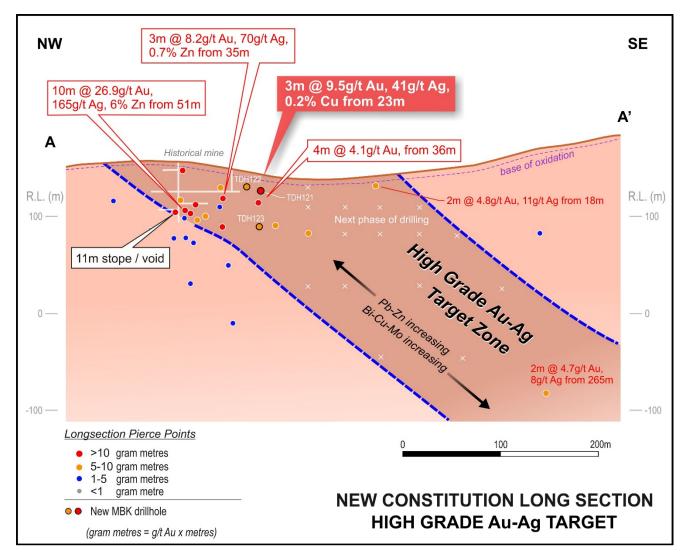


Figure 1: New Constitution long section with gram metre pierce points supporting an untested plunging target zone model (looking northeast). Refer to Figure 2 showing the location.

The three RC holes were completed as follow-up of a previous MBK drill result of 4m @ 4.1g/t Au, 15g/t Ag from 36m (TDH065)<sup>2</sup> situated 75m along strike from discovery hole TDH056 which returned 10m @ 26.9g/t Au, 165g/t Ag, 6% Zn<sup>3</sup> from 56m.

Highlights from the drill programme include:

- 3m @ 9.5g/t Au, 41g/t Ag, 0.2% Cu from 23m (TDH121)
- 1m @ 5.1g/t Au, 17g/t Ag, 0.1% Cu from 47m (TDH123)
- 2m @ 3.5g/t Au, 11g/t Ag from 59m (TDH123)

<sup>&</sup>lt;sup>2</sup> MBK ASX Release 28 Nov 2016

<sup>&</sup>lt;sup>3</sup> MBK ASX Release 05 Sept 2016



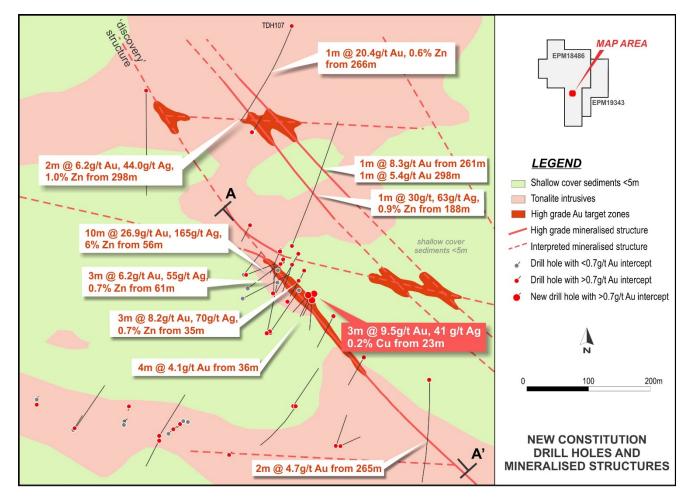


Figure 2: Location of New Constitution showing infill drilling of high-grade Au-Ag mineralised zone and location of long section A-A' in Figure 1. Refer to Figure 3 showing the location of New Constitution prospect.

Refer to Table 1 showing a summary of all significant results intersected from this drill programme.

The latest drilling also provides the first indication of metal zoning within the target zone which provides greater confidence that the mineralisation style is transitioning from the high-grade Aug-Ag (Zn) style towards bulk tonnage Au-Cu-Mo style. Recent drilling by MBK has confirmed a direct connection between the widespread high-grade Au-Ag (± Zn) mineralisation interpreted as 'leakage' from bulk tonnage Au-Cu-Mo systems<sup>4</sup>.

The widespread occurrence of Zn associated with high-grade Au-Ag mineralisation at Triumph is interpreted to represent the 'outer halo leakage' similar to other large intrusion related gold deposits of eastern Australia and that drilling to date has intersected only the peripheral or 'outer zones' of a potentially larger gold system. Metal zoning patterns within

<sup>&</sup>lt;sup>4</sup> MBK ASX Release 23 June 2017



large intrusion related deposits of Eastern Australia provide an extremely useful targeting tool to guide exploration towards the centre of the system. The Mt Wright Au deposit (1.3Moz Au) in North Queensland is a great example of discovery through the definition of an outer Zn halo above the gold deposit.

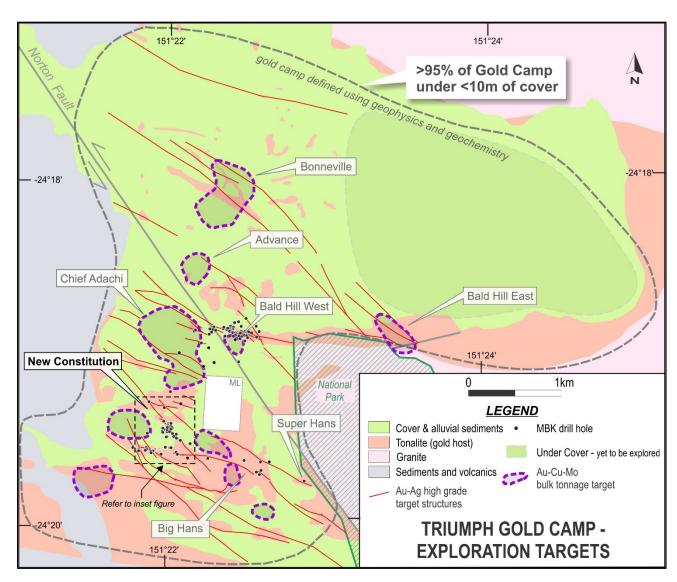


Figure 3: Triumph gold camp showing the location of New Constitution prospect and drilling completed to date.



Table 1: Summary of new drill results at New Constitution

Hole ID	Significant Results (0.5g/t Au cutoff)		
TDH121	3m @ 9.5 g/t Au, 41g/t Ag, 0.2% Cu from 23m		
	1m @ 2.9g/t Au, 23g/t Ag, 0.2% Zn from 53m		
	1m @ 0.5g/t Au from 65m		
	1m @ 0.6g/t Au, 0.1% Cu from 69m		
TDH122	1m @ 0.5g/t Au from 8m		
	1m @ 2.0g/t Au, 10.9g/t Ag, 0.1% Pb from 17m		
	3m @ 1.6g/t Au, 0.2% Zn from 27m		
TDH123	1m @ 2.1g/t Au, 55.3g/t Ag, 0.3% Cu from 26m		
	1m @ 5.1g/t Au, 17.2g/t Ag, 0.1% Cu, 0.1% Zn from 47m		
	2m @ 3.5g/t Au, 11.5g/t Ag, 0.2% Zn from 59m		
	2m @ 2.3g/t Au, 0.1% Zn from 88m		

#### Triumph Project - next phase

MBK has achieved discovery success in the outcropping areas representing only 5% of the total Triumph gold camp (15km²) with the remainder concealed beneath shallow cover (<10m). An important recent geological discovery at Triumph is the identification of a link between widespread high-grade Au-Ag mineralisation targeted to date and new bulk tonnage Au-Cu-Mo targets. Confirming this link enhances the potential for the project to host bulk tonnage Au-Cu-Mo style systems providing the potential for multi-million ounce deposits.

Further drilling is planned at New Constitution to investigate the potential for a near surface resource and to continue to investigate the potential for deeper bulk tonnage style mineralisation on the 'discovery' structure and adjacent targets concealed by shallow cover.

On the Triumph project a systematic bedrock drilling and sampling programme is being planned across existing high-grade Au-Ag targets and bulk tonnage Au-Cu-Mo targets concealed by the shallow cover. This programme will also encompass New Constitution.

The Triumph gold camp is an intrusion related gold system of the type encountered in a number of large systems in Queensland such as Kidston (3.7Moz Au), Mt Leyshon (3.5Moz Au), Ravenswood (3Moz Au) and Mt Wright (1.3Moz Au). Exploration to date by MBK has defined widespread high-grade Au-Ag mineralisation which appears as leakage around and above multiple intrusion related Au-Cu-Mo targets defined on the project.



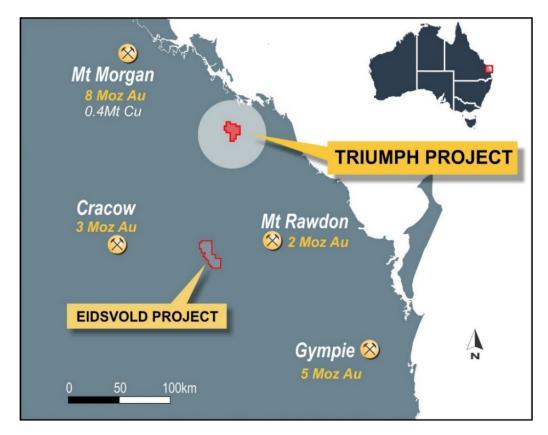


Figure 4: Location of Triumph and Eidsvold projects.

For further information contact:

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#### **About Metal Bank**

Metal Bank Limited is an ASX-listed minerals exploration company (ASX: MBK).

Metal Bank's core focus is creating value through a combination of exploration success and quality project acquisition. The company's key projects are the Triumph and Eidsvold Gold Projects situated in the northern New England Fold Belt of central Queensland, which also hosts the Cracow (3Moz Au), Mt Rawdon (2Moz Au), Mt Morgan (8Moz Au, 0.4Mt Cu) and Gympie (5Moz Au) gold deposits.

The company has an experienced Board and management team that brings regional knowledge, expertise in early stage exploration and development, relevant experience in the mid cap ASX-listed resource sector and a focus on sound corporate governance.



#### **Board of Directors and Management**

Inés Scotland (Non-Executive Chairman)

Tony Schreck (Managing Director)

Guy Robertson (Executive Director)

Sue-Ann Higgins (Company Secretary)

Trevor Wright (Exploration Manager)

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Please direct all shareholding enquiries to

the share registry.

#### **Competent Persons Statement**

The information in this report that relates to Exploration Results is based on information compiled or reviewed by Mr Tony Schreck, who is a Member of The Australasian Institute of Geoscientists. Mr Schreck is an employee of the Company. Mr Schreck 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'. Mr Schreck consents to the inclusion in the report of the matters based on his information in the form and context in which it applies.

The Exploration Targets described in this report are conceptual in nature and there is insufficient information to establish whether further exploration will result in the determination of Mineral Resources. Any resources referred to in this report are not based on estimations of Ore Reserves or Mineral Resources made in accordance with the JORC Code and caution should be exercised in any external technical or economic evaluation.



## JORC Code, 2012 Edition – Table 1

### Section 1 Sampling Techniques and Data

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul> <li>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.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>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.</li> </ul>	<ul> <li>Reverse circulation (RC) drilling was used to obtain samples for geological logging and assaying.</li> <li>Reverse circulation drilling was used to obtain either 1m samples in alteration or 4m composites in unaltered rock.</li> <li>The drill holes were sited to test geophysical targets/surface geochemical targets as well as previous drilling results</li> <li>RC samples were manually split by a riffle splitter and the splitter cleaned after each interval with a compressed air gun.</li> <li>RC samples were submitted to the laboratory and sample preparation consisted of the drying of the sample, the entire sample being crushed to 70% passing 6mm and pulverized to 85% passing 75 microns in a ring and puck pulveriser. RC samples are assayed for gold by 50g fire assay with AAS finish. Multielement analysis is completed using an ICPAES analysis.</li> <li>Rock chip samples shown may represent float or outcrop grab samples.</li> </ul>
Drilling techniques	<ul> <li>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.).</li> </ul>	RC drilling used a 5.5" face sampling RC hammer.
Drill sample recovery	<ul> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>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.</li> </ul>	<ul> <li>For RC sample recoveries of less than approximately 80% are noted in the geological/sampling log with a visual estimate of the actual recovery. Very few samples were recorded with recoveries of less than 80%. No wet RC samples were recovered.</li> <li>No relationship has been observed between sample recovery and grade.</li> </ul>
Logging	<ul> <li>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.</li> <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>	<ul> <li>Geological logging was carried out on all RC chips. This included lithology, alteration, sulphide percentages and vein percentages.</li> <li>Geological logging of alteration type, alteration intensity, vein type and textures, % of veining, and sulphide composition.</li> <li>All RC chip trays are photographed.</li> <li>All drill holes are logged in full.</li> </ul>
Sub-sampling techniques and sample preparation	<ul> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>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.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul> <li>RC samples were split using a standalone 87.5%:12.5% riffle splitter. Compressed air was used to clean the splitter after each sample interval. Duplicated samples were collected in visual ore zones and at a frequency of at least 1 in 20.</li> <li>QAQC samples (standards / blanks) were submitted at a frequency of at least 1 in 20. Regular reviews of the sampling were carried out by the Exploration Manager to ensure all procedures were followed and best industry practice carried out. Sample sizes and preparation techniques are considered appropriate.</li> <li>The sample sizes are considered to be appropriate for the nature of mineralisation within the project area. Duplicate RC sampling concentrated on potentially mineralised intervals.</li> </ul>





Criteria	JORC Code explanation	Commentary				Commentary		
Quality of data and laboratory tests	<ul> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>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</li> <li>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.</li> </ul>	<ul> <li>RC samples were assayed using 50g fire assay for gold which is considered appropriate for this style of mineralisation. Fire assay is considered total assay for gold.</li> <li>No geophysical tools, spectrometers or handheld XRF instruments have been used to determine assay results for any elements.</li> <li>Monitoring of results of blanks and standards is conducted regularly. QAQC data is reviewed for bias prior to inclusion in any subsequent Mineral Resource estimate.</li> </ul>						
Verification of sampling and assaying	<ul> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>	<ul> <li>Significant intersections are routinely monitored through review of drill chip and by site visits by the Exploration Manager.</li> <li>Data is verified and checked in Micromine software.</li> <li>No drill holes have been twinned.</li> <li>Primary data is collected via 'tough book' laptops in the field in self-validating data entry forms. Data is subsequently uploaded into a corporate database for further validation/checking and data management. All original files are stored as a digital record.</li> <li>No adjustments have been applied to assay data.</li> </ul>						
Location of data points	<ul> <li>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.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>	<ul> <li>Drill hole collar locations are initially set out (and reported) using a hand held GPS with a location error of +/- 5m. All holes are pegged and will be accurately surveyed (x,y,z) at a later date.</li> <li>Down hole surveys were completed using a "Pathfinder" digital survey system at a maximum interval of 30m. Measurements were taken 9m back from the RC hammer and at the mid point of a non magnetic stainless steel rod.</li> <li>All drilling is conducted on the MGA94 Zone 56 grid.</li> <li>A topographic survey of the project area has not been conducted.</li> </ul>						
Data Spacing and distribution	<ul> <li>Data spacing for reporting of Exploration Results.</li> <li>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.</li> <li>Whether sample compositing has been applied.</li> </ul>	<ul> <li>The drill holes were sited to test surface geochemical targets and were not conducted in a regular grid type pattern.</li> <li>The current drill hole spacing in some locations is of sufficient density to establish geological and grade continuity appropriate for a Mineral Resource. A mineral resource estimate will be considered once further drilling is completed.</li> <li>No sample compositing has been applied.</li> </ul>						
Orientation of data in relation to geological structure	<ul> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>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.</li> </ul>	<ul> <li>The drill holes were orientated in order to intersected the interpreted mineralisation zones as oblique (perpendicular) as possible.</li> <li>Diamond drilling information is required to make the assessment on the best orientation of drilling to intersect the mineralisation at this time.</li> </ul>						
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 MBK staff.						
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	The sampling techniques are regularly reviewed.						



## Section 2 – Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<ul> <li>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.</li> <li>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.</li> </ul>	<ul> <li>The Triumph project is within EPM18486 and EPM19343, both 100% owned by Roar Resources Pty Ltd a wholly owned subsidiary of Metal Bank Limited.</li> <li>The tenements are in good standing and no known impediments exist.</li> <li>ML80035 (covering an area of 0.2km²) is located within the project area and is excluded from the Metal Bank tenure.</li> <li>Exploration is prohibited within a small area of Category B environmentally protected area as well as a Nation Park shown in Figure 3. The current approved Environmental Authority (EA) allow2 for advanced exploration activities to occur up to the National Park (NP) boundary.</li> </ul>
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	No previous historical drilling has occurred at the New Constitution prospect. Historical Exploration data was compiled via open file reports including drilling data including AMOCO (1987) and Norton Goldfields 2007. All rock chip data shown was collected by Roar Resources Pty Ltd (100% subsidiary of Metal Bank Limited) Some soil sampling was completed by Norton Goldfields over the New Constitution 'discovery' structure although no drill testing was completed.
Geology	Deposit type, geological setting and style of mineralisation.	EPM18486 and EPM19343 overlaps the Calliope and Miriam     Vale 1:100,000 map sheets.     The style of mineralisation intersected is intrusion related gold mineralisation within the northern New England Orogen.
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:  easting and northing of the drill hole collar  elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar  dip and azimuth of the hole  down hole length and interception depth  hole length.	Refer Table 2
Data aggregation methods	<ul> <li>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.</li> <li>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.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<ul> <li>Unless specified otherwise, a nominal 0.5g/t Au lower cut-off has been applied incorporating up to 2m of internal dilution below the reporting cut-off grade to highlight zones of gold mineralisation. Refer Table 1.</li> <li>High grade gold intervals internal to broader zones of mineralisation are reported as included intervals. A nominal 10g/t Au cut-off has been applied to reporting high grade gold intervals contained within broader zones of mineralisation. These are routinely specified in the summary results tables.</li> <li>No metal equivalent values have been used for reporting exploration results.</li> </ul>



Criteria	JORC Code explanation	Commentary
Relationship between mineralisation widths and intercept lengths	<ul> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>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').</li> </ul>	<ul> <li>The geometry of the mineralisation is not known in enough detail to determine the true width of the mineralisation.</li> <li>Refer Table 1.</li> </ul>
Diagrams	<ul> <li>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.</li> </ul>	Refer to figures contained within this report.
Balanced reporting	<ul> <li>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.</li> </ul>	All results are presented in figures contained within this report.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	No other material data collected by Metal Bank Limited is presented in this report.
Further Work	<ul> <li>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>	<ul> <li>Further drilling is warranted and will be planned at New Constitution testing depth extensions of high grade zones in addition to bedrock sampling within the New Constitution basin which is concealed by cover.</li> </ul>

Table 2: Drill Hole Details – New Constitution

Hold ID	GDA94 E	GDA94 N	Azim	Dip	Depth m	Туре
TDH121	334328	7308886	35	-50	78	RC
TDH122	334326	7308888	35	-50	54	RC
TDH123	334331	7308889	215	-65	102	RC.