

Level 1, Suite 5 The Business Centre 55 Salvado Road Subiaco WA 6008 Australia

P. +61 8 9381 2299 F. +61 8 9380 6761

A.B.N. 14 113 517 203

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**ASX RELEASE** 

# Several New Large Gold in Soil Anomalies Identified in Underexplored Portion of the Prolific Moto Greenstone Belt, DRC

Burey Gold Limited (ASX: BYR) has received further positive results for broad spaced (400 x 200m) soil sampling programmes over the Kebigada structural corridor on PE 5049 on its Giro Gold Project in the Moto Greenstone Belt, NE Democratic Republic of Congo ("DRC"). Two main groups of gold anomalism and mine workings have now been defined, the southern and recently expanded Giro-Adoku group and recently identified northern Douze Match-Mangote group. Each of the group covers roughly 40-50sqkm. Diamond drilling programmes have also been completed at Kebigada (1,221m), Giro vein (310m), Peteku (100m), Adoku (579m) and Mangote (633m) with results expected over the next two months.

Chairman Klaus Eckhof commented, "It is becoming increasingly apparent that the significant gold deposit discovered at the Company's Kedigada gold prospect is only one of a large number of essentially unexplored gold occurrences within two vast areas of about 40sq km each, and we look forward to bringing continuing progress through our ongoing exploration programmes. The Company holds tenure over a significant portion of what has been one of the most prolific gold belts in the world in terms of resource growth, during the last decade."

### Soil Sampling

Highly anomalous coherent gold-in-soil anomalies have been identified at the Giro-Adoku area on PE 5046 and at the Douze Match-Mangote area on PE 5049 shown in Figure 1. Both areas of soil anomalism are expected to be increased from the current 40-50sqkm areal extent from soil sampling programmes planned to cover the full extent of both licences. The newly defined Douze Match anomaly extends over 4km x 2.5km as shown in Figure 2. The anomaly lies immediately south of a dominant granite intrusion in the NW portion of PE 5049 where artisanal mining is focused in granites along the sheared contact with NE trending banded formation (BIF). Historically the Belgians mined sheared and quartz veined BIFs' at their "Tango Prospect" within this contact zone although little information is known about the production at Tango as it is assumed all mined ore was processed at nearby Mangote. The Company is in the process of a detailed investigation of all available archives for a better understanding of mined ore and expected grade at Tango.



The bulk of the gold-in-soil anomaly at Douze Match is >50ppb Au with a highest reported value of 430ppb Au. Figure 2 also shows an extensive NNW trending anomaly which is potentially developed along the eastern boundary of the granite within the interpreted structural corridor. Artisanal workings within the anomaly further confirm the potential to identify new area of mineralisation. Infill soil sampling will be carried out over this highly anomalous area for a better understanding of the potential source of the gold forming coherent soil anomalies at surface.

The area mined historically by the Belgians at Mangote lies within a broad 5km x 1.5km NW trending gold-in-soil anomaly. Mineralisation at Mangote was focused within two and potentially three high grade west-east trending structures which were intersected in the recently completed diamond drilling programme. The extensive soil anomaly at Mangote suggests that the area has potential to host a number of sub-parallel west-east trending mineralised structures within this broader 5km zone. Infill soil sampling programmes are ongoing at Mangote to better define underlying potentially mineralised structures.

The prospectivity of PE 5046 was highlighted in the 25 February 2016 announcement where goldin-soil anomaly extends over >5km in the southern licence area and is associated with the Adoku mineralisation.

### Drilling Results

Samples from holes GRDD005, 6 and 7 are currently being analysed with results expected within one month. Selected samples were also submitted from holes drilled at Adoku. Mangote core is currently in process of logging and sampling after which samples will be submitted to ALS Global in Mwanza and Johannesburg for preparation and analysis. Strong zones of shearing and sulphide mineralisation were intersected under the Belgian workings.

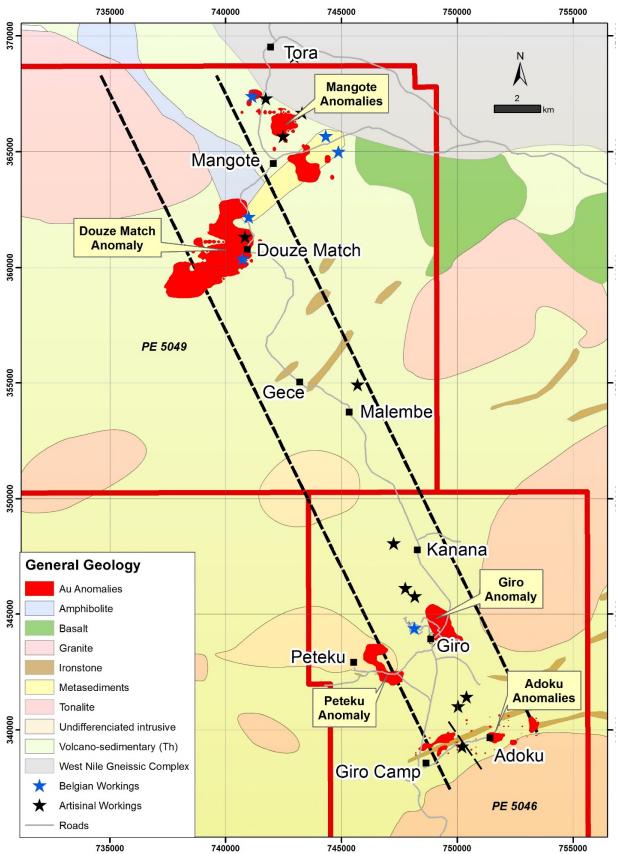
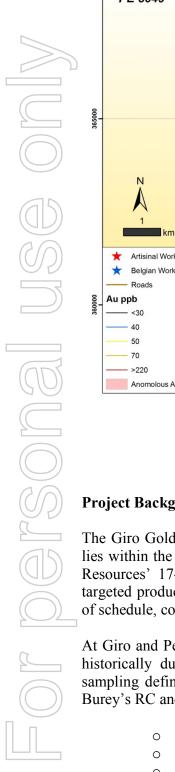


Figure 1. Geology map showing two dominant mineralised domains on the Giro Project



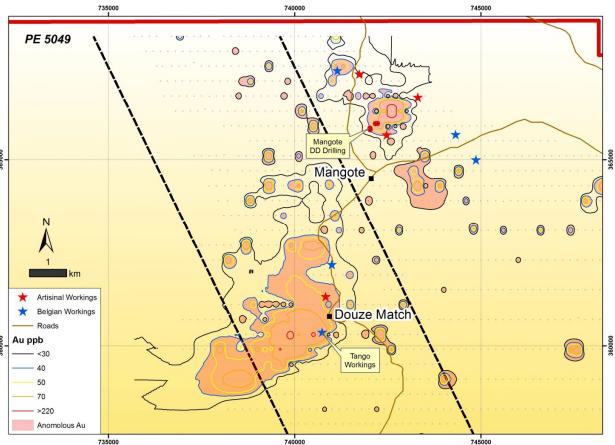


Figure 2: Coherent gold-in-soil anomalies on PE 5049.

### **Project Background and Potential**

The Giro Gold Project comprises two exploitation permits covering a surface area of 610km<sup>2</sup> and lies within the Kilo-Moto Belt, a significant under-explored greenstone belt which hosts Randgold Resources' 17-million ounce Kibali group of deposits, lying within 30km of Giro. Kibali had targeted production of 600,000 ounces of gold for 2015 with shaft and decline development ahead of schedule, confirming a favourable mining environment in the region.

At Giro and Peteku, exploration has focused on drilling and geochemical sampling in areas mined historically during Belgian rule and in areas currently being mined by artisanal means. Soil sampling defined a >200ppb gold in soil anomaly over 2,000m x 900m while best results from Burey's RC and diamond drilling programmes over the main IP anomaly include:

0	GRDD001	23.5m at 3.07g/t Au from 0.5m
0	GRDD002	38.1m at 2.53g/t Au from 191m
0	GRRC058	97m at 2.56g/t Au from surface
0	GRRC075	47m at 4.13g/t Au from 25m, incl. 29m at 5.93g/t Au from
		25m
0	R02	16m at 3.95g/t Au from 15m and 35m at 2.28g/t Au from

81m, incl. 13m at 4.17g/t Au from 103m
 GRRC068 33m at 1.59g/t Au from surface and 56m at 2.39g/t Au from 64m incl. 9m at 5.20g/t Au from 66m

Initial work supports a broad zone of mineralisation associated with a strong NNW trending chargeability anomaly at the Kebigada target. The Giro Prospect is cross-cut by numerous high grade ENE trending structures currently mined by artisanal miners. One such vein at Peteku reported 4m at 21.7g/t Au within granite from Burey's sampling.

A major northwest trending structural corridor is interpreted to traverse both tenements over at least 30km. The Giro deposits mined historically lie within this corridor while a number of extensive alluvial workings were identified to the north within the structural corridor. The Company has completed soil sampling programmes for complete coverage of the corridor to identify additional zones of mineralisation from which the alluvial gold workings might have been sourced

To the north, Belgian colonials mined two deposits on PE 5049 up to the end of the colonial era in the 1960s'. These were the Mangote open pit where historic drilling results included 0.6m at 37g/t Au and 0.35m at 485g/t Au and the Kai-Kai pit. There is no record of methods used to obtain these results. Only quartz veins were sampled historically by the Belgians although subsequent sampling by Burey's predecessors of wall rock adjacent to quartz veins currently mined by artisanal miners confirmed potential for a broader zone of mineralization surrounding high grade quartz veins.

#### For more information contact:

Klaus Eckhof	Peter Taylor
Chairman	<b>Investor Relations</b>
Tel: +377 680 866 300	Tel: +61 (0) 412 036 231
klauseckhof@monaco.mc	peter@nwrcommunications.com.au

Website: www.bureygold.com

#### **Competent Person's Statements – Exploration Results**

The information in this report that relates to exploration results is based on, and fairly represents information and supporting documentation prepared by Mr Klaus Eckhof, a Competent Person who is a member of The Australasian Institute of Mining and Metallurgy. Mr Eckhof is a director of Burey Gold Limited. Mr Eckhof has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resource and Ore Reserves". Mr Eckhof consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to the Giro Gold Project has been previously reported by the Company in compliance with JORC 2012 in various market releases, with the last one being dated 4 March 2016. The Company confirms that it is not aware of any new information or data that materially affects the information included in those earlier market announcements other than the exploration results that are the subject of this report.

## Appendix A JORC Code, 2012 Edition – Table 1 report Giro prospect

## Section 1 Sampling Techniques and Data

CRITERIA	JORC Code Explanation	Comment
Sampling techniques	<ul> <li>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.</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.</li> <li>In cases where 'industry standard' work has been done this would be relatively simple (eg '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.</li> </ul>	<ul> <li>Samples were collected below the A-horizon from manually excavated shallow pits approximately 30-50cm deep. Samples were dried and lightly disaggregated using a mortar and pestle, sieved through a 2mm sieve and a 500g charge split off the minus 2mm fraction for despatch to ALS Global for preparation and assay.</li> <li>Sampling was carried out under strict QAQC procedures as per industry standards with blanks and standards inserted after every 50 samples.</li> <li>The 500g sample was screened with the -180 micron selected for multiple element aqua regia digest and fire assay.</li> </ul>
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).	NA
Drill sample recovery	<ul> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> </ul>	NA
-	<ul> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> </ul>	
	<ul> <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>	
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> </ul>	NA

	CRITERIA	JORC Code Explanation	Comment
		• Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.	
		<ul> <li>The total length and percentage of the relevant intersections logged.</li> </ul>	
)   	Subsampling techniques	<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,</li> </ul>	• Samples were dried and lightly disaggregated using a mortar and pestle, then sieved through a
	and sample preparation	rotary split, etc and whether sampled wet or dry.	2mm sieve to produce 2 size fractions. The <2mm charge was
		<ul> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> </ul>	then homogenised and split to produce a 500g sample using a standard riffle splitter. Samples
)		<ul> <li>Quality control procedures adopted for all sub-sampling stages to maximise representativity of samples.</li> </ul>	were then bagged in plastic sample packets with pre-printed
)		• 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.	sample tickets. Every 50 <sup>th</sup> sample was either a standard or a blank sample for QA/QC purposes. The samples bags were sent to the
		<ul> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	ALS Global Laboratories in Tanzania within a sealed vehicle.
			• The final sample was sieved with the -180 micron (80 mesh) used for 35 element analysis by aqua- regia acid digestion and ICP- AES. An additional 50g sample was selected for fire assay with AA finish at ALS Laboratories.
			• Crushing and pulverising were subject to regular quality control practices of the laboratory.
			• Sample sizes are appropriate considering the grain size of the samples. However, in the case of lateritic lithology, a nugget effect
			is likely to occur. Intervals in laterites will therefore be treated separately in any resource estimations.
	Quality of assay 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> </ul>	Both the fire assay with AA finish and the aqua-regia acid digestion and ICP-AES are considered an appropriate method to evaluate 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	gold and 35 multiple element content of the samples. In addition to the laboratory's internal QC procedure, every 50th field sample comprised a

CRITERIA	JORC Code Explanation	Comment
	their derivation, etc.	blank sample or standard sample.
	• 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.	All of the 42 standards and blanks submitted returned acceptable values. The 20 duplicate samples showed good correlation with its original counterparts.
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>	Log and sampling data was entered into spreadsheets, and then checked by the Exploration Manager for inconsistencies and stored in an Access database. Samples are logged by hand in the field on printed log sheets. Logging is done according to standardised header, soil type, slope, colour, depth and description of any clasts within the sample pit. Data is then input into EXCEL spreadsheets which are emailed to the database manager for input into Access. Data is then interrogated and all discrepancies are communicated and resolved with field teams to ensure only properly verified data is stored in the Access database.
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>	Sample positions were recorded with a Garmin GPS, and reported in the WGS84-UTM35N Grid system. Coordinates generally have a less than 10m accuracy which is considered adequate for the type of work.
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>	The program has been designed to establish continuity of coherent soil anomalies for target generation. No compositing was applied.
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</li> </ul>	Sample points were orientated near to perpendicular to known structural and lithological trends on the property.

CRITERIA	JORC Code Explanation	Comment
	orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	
Sample security	• The measures taken to ensure sample security	Samples were collected under strict supervision of the Senior Exploration Geologist. Bagged samples were then labelled and sealed and stored for transport to the laboratory. Samples were transported to the laboratory in a sealed vehicle under supervision of a contracted logistics company.
Audits or reviews	• The results of any audits or reviews of sampling techniques and data	The Company's sampling techniques and data have not to date been the subject of any 3 <sup>rd</sup> party audit or review. However, they are deemed to be of industry standard and satisfactory and supervised by the Company's senior and experienced geologists.

## **Section 2 Reporting of Exploration Results**

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

CRITERIA	JORC Code Explanation	Comment
<i>Mineral tenement and land tenure status</i>	<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>	The project comprises two Exploitation Permits (Permis d'Exploitation), PE5046 and PE5049. These are owned by a joint venture company Giro Goldfields Exploration Sarl formed between Amani Consulting Sarl (65%) and Société Minière de Kilo-Moto Sarl (SOKIMO) (35%), both DRC registered entities. Burey Gold holds 85% of Amani Consulting. Tenure is in good standing.
Exploration done by other parties	• Acknowledgment and appraisal of exploration by other parties	The licensed area has not been systematically explored since the end of Belgian colonial rule in 1960. Two field visits were conducted in the area, the first in 2010 by the "Office des

CRITERIA	JORC Code Explanation	Comment
		Mines d'or de Kilo-Moto" (OKIMO), and the second in December 2011 by Universal Consulting SPRL, working for Amani.
)		Following a review of historical and previous exploration data, Panex Resources Inc. conducted a first RC drilling campaign at the Giro prospect between December 2013 and February 2014, completing 57 holes for 2,888m.
Geology	• Deposit type, geological setting and style of mineralisation.	The geological setting is comprised mostly of volcano-sedimentary rocks from the Kibalian complex, with multiple granites and granitoid intrusions. A network of NE trending faults seems to have been reactivated at different intervals.
		On the Giro prospect, the main lithologies hosting the mineralisation are saprolite, quartz veins and stringers and silicified volcanosediments. Mineralisation is associated with quartz veining and silicification of host rocks along a major NW trending shear zone. Generally higher gold grades are associated with greater percentages of
		sulphide (pyrite) and silicification. Other targets have been identified in association with BIF's and parallel to granite contact zones on the properties.
Drill hole	• A summary of all information material to	NA
Information	the understanding of the exploration results including a tabulation of the following information for all Material drill holes:	
	o easting and northing of the drill hole collar	
	o elevation or RL (Reduced Level – elevation above sea level in	
	metres) of the drill hole collar	
	o dip and azimuth of the hole	
	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	

	CRITERIA	JORC Code Explanation	Comment
		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.	
2	Data aggregation methods	<ul> <li>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.</li> </ul>	NA
		• 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.	
		<ul> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	
	Relationship between mineralisation	<ul> <li>These relationships are particularly important in the reporting of Exploration Results.</li> </ul>	NA
	widths and intercept lengths	<ul> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> </ul>	
	longins	• 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	Figure 1 shows the contoured soil anomalies on the northern licence PE5046 while Figure 2 shows the project potential associated with the interpreted NNW trending structural corridor.
	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 sample positions are shown in Figure 1 and only anomalous sample results have been highlighted.
	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;	Soil sampling has been carried out on both PE 5046 and 5049 mining licences and any exposures have been mapped and sampled if interesting. A significant, 2000m-long soil anomaly has already been highlighted and reported at the Giro Prospect and a

CRITERIA	JORC Code Explanation	Comment
	potential deleterious or contaminating substances.	5000m long soil anomaly at Adoku.
Further work	<ul> <li>The nature and scale of planned further work (eg 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>	First pass soil results on both tenements are expected to identify additional targets for follow up with infill soil sampling programmes where these have not already been completed. Coherent soil anomalies identified from the infill programmes will be followed up with shallow RC drilling to assess the potential of any new areas of potential mineralisation.