

ASX Code: BML

## TO: COMPANY ANNOUNCEMENTS OFFICE ASX LIMITED

DATE: 7 OCTOBER 2015

"THIS IS A PRIORITY ITEM"

# DRILLING COMMENCES AT PL 59/2008 100% OWNED BY BML

PL 59/2008 (PL 59) MAIBELE NORTH EXTENSION:

- ONE OF THREE PROSPECTS ON PL 59 CALLED "MAIBELE NORTH EXTENSION", IDENTIFIED BY SQUID EM AND VTEM SURVEYS, HAS BEEN SELECTED FOR AN INITIAL THREE HOLE RC DRILL PROGRAM.
- THE PROGRAM WILL TARGET POTENTIAL NICKEL & COPPER SULPHIDE MINERALISATION EXPECTED AT A DEPTH OF ~ 165M BASED ON THE RECENTLY COMPLETED SQUID EM SURVEY. MAIBELE NORTH EXTENSION IS ONLY 4KM TO THE EAST OF THE MAIBELE NORTH JORC RESOURCE HELD BY BML AND JV PARTNER BCL LIMITED.

Media Statement: BML's Chairman Mr Pat Volpe said

"Drilling at PL 59 on BML's 100% owned Licence commences today. If the drilling intersects mineralisation, this will open up the potential for a substantial increase to the already known nickel mineralisation at Maibele North. A new project focus will be born for our company."

The Board of Botswana Metals Limited is pleased to announce that the Company will today commence a drilling program on its 100% owned PL 59/2008. The program, consisting of three drill holes, will test one of its three prospects identified on PL 59 using SQUID EM conductor targets coincident with VTEM anomalies. Details of the program are given below.

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Figure 1: Location of the PL 59/2008 proposed drill holes at Maibele North Extension and the prospects spatial relationship to the Maibele North orebody. Background = regional VTEM image.

# Proposed Drill Program

An initial program of 3 drill holes for 775 metres of RC drilling is proposed to test the conductors at Maibele North Extension. These conductors rank as the highest priority targets due to:

- Close proximity along strike to Maibele North.
- Multiple conductors of increasing conductivity (to over 1500s).
- Shallow depth (~165m).
- Multiple targets of a cumulative strike of 900m possibly indicates a large system with potential for numerous orebodies.

Target	Х	Y	ELEV	INCLINATION	AZI	DEPTH	Priority
	(UTM36)	(UTM36)	(m)			(m)	
Hole 1	636747	7597588	865	60	330	275	1
Hole 2	637432	7597918	865	60	330	250	1
Hole 3	638766	7598208	865	60	335	250	1 – Very Strong Conductor

Table 1: Details of the proposed holes for Maibele North Extension.

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Figure 2: Location of the PL 59/2008 prospects in relation to Maibele North and the interpreted Maibele North mineralised trend. Background is the regional VTEM image.



Figure 3: Shows the potential strike length and its direction through BMLs 100% owned PL 59/2008. The three VTEM anomalies show up in red at Maibele North Extension and Mashambe.

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The market will be kept informed as the drilling results become available.

# Patrick Volpe Chairman

The information in this report that relates to Exploration Results is based on, and fairly represents, information and supporting documentation compiled by BML staff on site and provided to Mr Steve Groves who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Groves is a consulting geologist to BML and has previously been employed as the Exploration Manager at BML. Mr Groves 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 Groves consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

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# **APPENDIX 1 – 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 (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 types (eg submarine nodules) may warrant disclosure of detailed information.</li> </ul>	<ul> <li>Sample geochemical data referenced in this release are from surface soil sampling programs.</li> <li>Where referenced, soil samples are taken at regular spacing from an appropriate grid across a prospective area</li> <li>The top 5cm of material above and below the site must be removed to avoid contamination issues. Samples to be taken from the B horizon at depths of approximately 30 - 45cm.</li> <li>Soil is then taken from the bottom of the pit and a 2Kg bulk sample (approx.) will be taken at each site. Sample preparation will vary from project to project. Samples may be sieved to separate the coarse and fine fractions for analysis</li> <li>The parameters describing this sample location are collected on the soil sample sheet and these must be completed as fully as possible</li> <li>The Sample_ID should be confirmed with the sample location. The Sample_ID must be written on the outside of the kraft geochem packet. A sample ticket must be dropped into the geochem envelope.</li> <li>The sample ticket tag must be completed with the Data and Time of Sampling and the person who sampled. It must be completed in PEN, not in pencil.</li> <li>Do not wear jewellery.</li> <li>All soil samples referenced in this release were assayed at an independent laboratory (ALS, South Africa) via the AQUA-REGIA ACID DIGESTION AND ICP-AES method before interpretation</li> <li>No new drilling has been referenced in this release. Any reference to drill holes relates to historic holes.</li> </ul>

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CRITERIA	JORC Code Explanation	Commentary
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.).	<ul> <li>No new drilling has been referenced in this release. Any reference to drill holes relates to historic holes.</li> <li>Historic holes have been either NQ core, HQ core or Reverse Circulation percussion methods</li> </ul>
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>No new drilling has been referenced in this release. Any reference to drill holes relates to historic holes.</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>No new drilling has been referenced in this release. Any reference to drill holes relates to historic holes.</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>No new drilling has been referenced in this release. Any reference to drill holes relates to historic holes.</li> <li>For soil sampling:         <ul> <li>The insertion of QA/QC samples is undertaken. Blanks, standards or field duplicates are added approximately every twenty samples. Good blank material is pool filter sand. Low grade standards are recommended over high grade as the assay values are likely to be at lower levels.</li> <li>Field duplicates must be a portion of a larger sample collected in the field so as to reflect a good reproducibility (i.e. collect sample, sieve and split into two samples, one original and one duplicate).</li> </ul> </li> </ul>

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**JORC Code Explanation** CRITERIA Commentary Quality of Any new soil results discussed in this The nature, quality and appropriateness • assay data of the assaying and laboratory release have been analysed in the field using a handheld XRF machine. and procedures used and whether the laboratory technique is considered partial or total. • The details of the instruments used tests For geophysical tools, spectrometers, include: • handheld XRF instruments, etc, the **Olympus Innov-X Delta Premium** 0 parameters used in determining the portable XRF analyzer is used analysis including instrument make and with a Rhenium anode in soil and mines mode at a tube voltage of model, reading times, calibrations factors applied and their derivation, etc. 40kV and a tube power of 200µA. The resolution is around 156eV Nature of quality control procedures @ 40000cps. The detector area is adopted (e.g. standards, blanks, 30mm2 SDD2. A power source of duplicates, external laboratory checks) and whether acceptable levels of Lithium ion batteries is used. The element range is from P (Z15 to U accuracy (i.e. lack of bias) and precision (Z92). A cycle time of 120 have been established. seconds Soil Mode was used and beam times were 40 seconds. A propylene3 window was used. No calibration factors were applied. Blanks and standards are 0 analysed at after every 5th XRF sample. Surface XRF analysis of this type 0 is used to determine element anomalism relative to a regional background. Concentrations are considered approximate only and anomalism is determined as statistically relative to the determined regional background levels. Verification The verification of significant • The data were examined by the senior ٠ of sampling intersections by either independent or personnel on site. and • The primary data were audited and alternative company personnel. assaying verified and then stored in a SQL The use of twinned holes. ٠ Documentation of primary data, data relational database. • entry procedures, data verification, data · No data have been adjusted.. storage (physical and electronic) protocols. Discuss any adjustment to assay data. • Location Accuracy and quality of surveys used to The data were recorded in • of data locate drill holes (collar and down-hole longitude/latitude WGS84. points surveys), trenches, mine workings and The terrain is largely flat. other locations used in Mineral Soil sampling points and geophysical Resource estimation. survey lines are located on the Specification of the arid system used. ground using a handheld GPS with an Quality and adequacy of accuracy of <5m • All historic drillholes have been topographic control. surveyed using DGPS with an accuracy of <1m. Data spacing Data spacing for reporting of Soil Samples are typically taken from • and Exploration Results. a grid established over the distribution prospective area. • Whether the data spacing and distribution is sufficient to establish the degree of Sample lines are spaced is at an geological and grade continuity appropriate interval deemed appropriate to cover for the Mineral Resource and Ore Reserve the features of interest (e.g. 200m or estimation procedure(s) and classifications 100m)

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CRITERIA	JORC Code Explanation	Commentary
	<ul> <li>applied.</li> <li>Whether sample compositing has been applied.</li> </ul>	<ul> <li>Sample spacing along lines is at an interval deemed appropriate to cover the features of interest (e.g. 50m spacing)</li> <li>Areas of anomalous response are often followed up with infill soil sampling lines between the original lines (e.g.100m or 50m spacing)</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>Soil sample lines are generally orientated perpendicular to the geological or interpreted structural or mineral trends of interest</li> <li>Sample spacing along lines is at an interval deemed appropriate to cover the features of interest (e.g. 25m, 50m or 100m spacing)</li> </ul>
Sample security	The measures taken to ensure sample security.	<ul> <li>Samples were taken and transported by BML personnel to the BML site office Prior to analyses the samples are locked in the BML office</li> </ul>
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	• The data were examined by the independent consultant Mr. Steve Groves of Perth in Australia and considered appropriate

# **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 results reported in this Announcement are located in PL 59/2008 which is a granted Exploration Licence held by African Metals (Pty) Ltd, a 100% owned subsidiary of Botswana Metals Limited.</li> <li>PL 59/2008 is 100% owned by African Metals (Pty) Ltd and is not subject to the Joint Venture agreement with BCL Limited.</li> <li>PL 59/2008 expires on 30 September 2016 and is currently in good standing.</li> </ul>
Exploration done by other parties	- Acknowledgment and appraisal of exploration by other parties.	<ul> <li>All interpretations and conclusions in this announcement are based on results generated by historic exploration work conducted by Cardia Mining and Botswana Metals.</li> <li>Botswana Metals considers all previous exploration work to have been undertaken to an appropriate professional standard.</li> </ul>

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CRITERIA	JORC Code Explanation	Commentary
Geology	<ul> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	• The Prospecting Licence PL 59/2008 is hosted within the Magogaphate Shear Zone - a major geological structural feature, generally considered to mark the boundary between the Archaean aged (>2.5 billion year old) Zimbabwean Craton and the Limpopo Belt or Limpopo Mobile Zone (LMZ) The nickel- copper deposits of Selebi Phikwe lie within the northern part of the Central Zone of the Limpopo Mobile Belt, whilst the nickel copper deposits of Phoenix, Selkirk and Tekwane lie in the Zimbabwean Craton. The Central Zone of the LMZ comprises variably deformed banded gneisses and granitic gneisses, infolded amphibolites and ultramafic intrusions that that have the potential to host Ni-Cu sulphide mineralization. Ni-Cu-PGE mineralization at Maibele North and Airstrip copper is spatially associated with an ultramafic intrusion.
Drill hole Information	<ul> <li>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: <ul> <li>easting and northing of the drill hole collar</li> <li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and interception depth</li> <li>hole length.</li> </ul> </li> <li>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.</li> </ul>	• N/A

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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> <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>	• N/A
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 (eg 'down hole length, true width not known').</li> </ul>	• N/A
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>	<ul> <li>Plan view and/or cross section maps of the reported exploration results are included in this announcement.</li> </ul>
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.	<ul> <li>No grades or drill intercepts are referred to in this announcement.</li> <li>Reference is made to interpreted geophysical and/or geochemical anomalies that have been delineated by relative comparisons to background responses.</li> </ul>
Other substantive exploration data	<ul> <li>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.</li> </ul>	<ul> <li>Interpretations in this release have incorporated data, images and models from airborne and ground geophysical surveying.</li> <li>In 2011, a comprehensive helicopterborne VTEM (Versatile Time Domain Electromagnetic) Survey was undertaken across BML's tenements in Botswana</li> <li>The survey included the collection of EM, magnetic and terrain data.</li> <li>Flight height - 75m</li> <li>Line Spacing – 150m</li> <li>Data processing and model construction was undertaken offsite by consultant geophysicists</li> <li>In 2015, ground geophysical surveys were undertaken using the SQUID EM</li> </ul>

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		technology. These were fixed loop surveys recommended by the consultant geophysicist. All processing and modelling of data was completed off site by Cas Lotter of Spectral Geophysics, Gaborone, Botswana. • The details of the survey and loops referred to in this document are: • SENSOR – Jena Jesse Deep 3 component SQUID • RECEIVER – Emit SMARTEM24 16 Channel • TRANSMITTER – Monex Geoscope tx50 • TRANSMITTER LOOP SIZE – 800m X 500m • LINE SPACING – 150m • LINE LENGTH – 1000m • STATION SPACING – 50m with 25m infill • TRANSMITTER BASE FREQUENCY – 1 Hz
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>	<ul> <li>This announcement describes the immediate work program for BML's regional exploration areas.</li> <li>Early stage work such as geological mapping, soil sampling and ground geophysics will be undertaken with a view to generating drill targets in prospective areas</li> </ul>

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