



29 September 2009

MUMBWA JV PROJECT – EXPLORATION DRILLING RESULTS

KEY POINTS:

- Results received from drill hole ZMMUM-008, drilled on the Mushingashi Anomaly, revealed copper (“Cu”) mineralisation as follows:
 - 3m at 0.45 % Cu between 300m and 303m, including
 - 1m at 0.60 % Cu between 301m and 302m
 - 4m at 0.52 % Cu between 306m and 310m
 - 6m at 0.83 % Cu between 340m and 346m, including
 - 1m at 1.48 % Cu between 340m and 341m, and
 - 1m at 1.38 % Cu between 342m and 343m
 - 1m at 0.59 % Cu between 347m and 348m
 - 1m at 1.13 % Cu between 411m and 412m

No gold (“Au”) mineralisation above the cut-off was detected in this hole

- ZMMUM-008 is located approximately 5km northwest from the previously drilled Kitumba Anomaly.
- Based on the extent of the typical IOCG alteration observed in this hole, future drilling will test the potential for the core of an IOCG system to be located nearby.

Blackthorn Resources Limited (ASX: BTR) (“Blackthorn Resources”) wishes to announce exploration drilling results from the Mumbwa JV Project in Zambia.

BHP Billiton (40% JV partner) is currently managing and funding the Phase 3B drilling program, which has drilled both the Kitumba and Mushingashi anomalous areas. In excess of 8,000 metres of drilling has been completed during the Phase 3B program: 8 holes at the Kitumba Anomaly and 6 (including 2 abandoned holes) at the Mushingashi Anomaly.

Mushingashi Assay Results

Assay results from hole ZMMUM-008, represent assays from the 2nd hole from 4 targets drilled from the southern portion of the Mushingashi Anomaly.

The hole is located approximately 5km northwest from the previously drilled Kitumba Anomaly where a JORC code compliant mineral resource estimate study has been commissioned by Blackthorn Resources.

In addition to the grades reported, observations of the geology in ZMMUM-008 are consistent with IOCG characteristics expected when exploring for this style of mineralisation. Based on the extent of alteration observed in this hole, future drilling will test the potential for the core of a broad IOCG system to be located nearby.

ZMMUM-008 was core drilled vertically and was terminated at a drilled depth of 668.3 metres. A total of 460 samples of drill core and quality control samples were submitted for sample preparation and multi-element analysis.

Reported mineralised intersections represent drilled thickness intervals and calculated on weighted average grades using a cut-off of 0.25g/t Au and 0.25% Cu. True width intersections are not quoted as additional interpretation is required to correlate data from adjacent holes.

Drilled thickness intercepts of copper from hole ZMMUM-008 above the cut-off include:

- 3m at 0.40 % Cu between 290m and 293m
- 1m at 0.31 % Cu between 294m and 295m
- 1m at 0.28 % Cu between 298m and 299m
- 3m at 0.45 % Cu between 300m and 303m, including
 - 1m at 0.60 % Cu between 301m and 302m
- 1m at 0.32 % Cu between 304m and 305m
- 4m at 0.52 % Cu between 306m and 310m
- 1m at 0.40 % Cu between 331m and 332m
- 2m at 0.36 % Cu between 333m and 335m
- 1m at 0.44 % Cu between 338m and 339m
- 6m at 0.83 % Cu between 340m and 346m, including
 - 1m at 1.48 % Cu between 340m and 341m, and
 - 1m at 1.38 % Cu between 342m and 343m
- 1m at 0.59 % Cu between 347m and 348m
- 1m at 1.13 % Cu between 411m and 412m
- 2m at 0.35 % Cu between 475m and 477m
- 1m at 0.29 % Cu between 478m and 479m
- 1m at 0.30 % Cu between 560m and 561m
- 1m at 0.33 % Cu between 564m and 565m

- 1m at 0.32 % Cu between 588m and 589m
- 1m at 0.33 % Cu between 594m and 595m
- 2m at 0.41 % Cu between 599m and 601m
- 1m at 0.29 % Cu between 650m and 651m

(No gold mineralisation above cut-off was detected in this hole)

Note:

Gold and copper assays were performed by ISO 9001 and ISO/IEC 17025 accredited SGS South Africa (Pty) Ltd laboratory in Johannesburg, South Africa. Samples were analysed by multi-acid digest followed by inductively coupled plasma atomic emission spectrometry (ICP-AES) and inductively coupled plasma mass spectrometry (ICP-MS) for multi-elements and by fire assay with atomic absorption spectrometry finish for gold. Where acid digestion analysis exceeded the upper detection limit for copper (>10,000 ppm copper), the sample was re-assayed for copper using sodium peroxide fusion techniques followed by ICP-AES.

Background

The Mumbwa JV Project is situated in the Central province of Zambia and located approximately 200km west of Lusaka. Much of the Project area is underlain by clastic and sedimentary rocks from the Kundelungu Group of the late Proterozoic Katanga Sequence. Towards the west, the area is underlain by granitic rocks from the Kafue - Hook batholith, which intruded the Katanga Sequence during tectonism. Other granitic rocks peripheral to the Kafue - Hooke batholith have intruded during several post tectonic phases.

The Kitumba Anomaly is situated in the central part of the project area, with the Mushingashi Anomaly located approximately 5km north-northwest from Kitumba, and is described as a north-south trending 'density anomaly' which extends north-south for a 19km strike length.

ATTRIBUTION

The information in this report which relates to Exploration Results at the Mumbwa JV Project has been reviewed and approved for release by Mr Michael J Robertson, MSc, Pr.Sci.Nat., MSAIMM who has 20 years experience in mineral exploration, and who is a full-time employee of the MSA Group, and has sufficient experience in relation to the style of mineralisation and type of deposit under consideration to qualify as a Competent Person as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Robertson has consented to inclusion of this information in the form and context in which it appears.

Should you require further information please contact:

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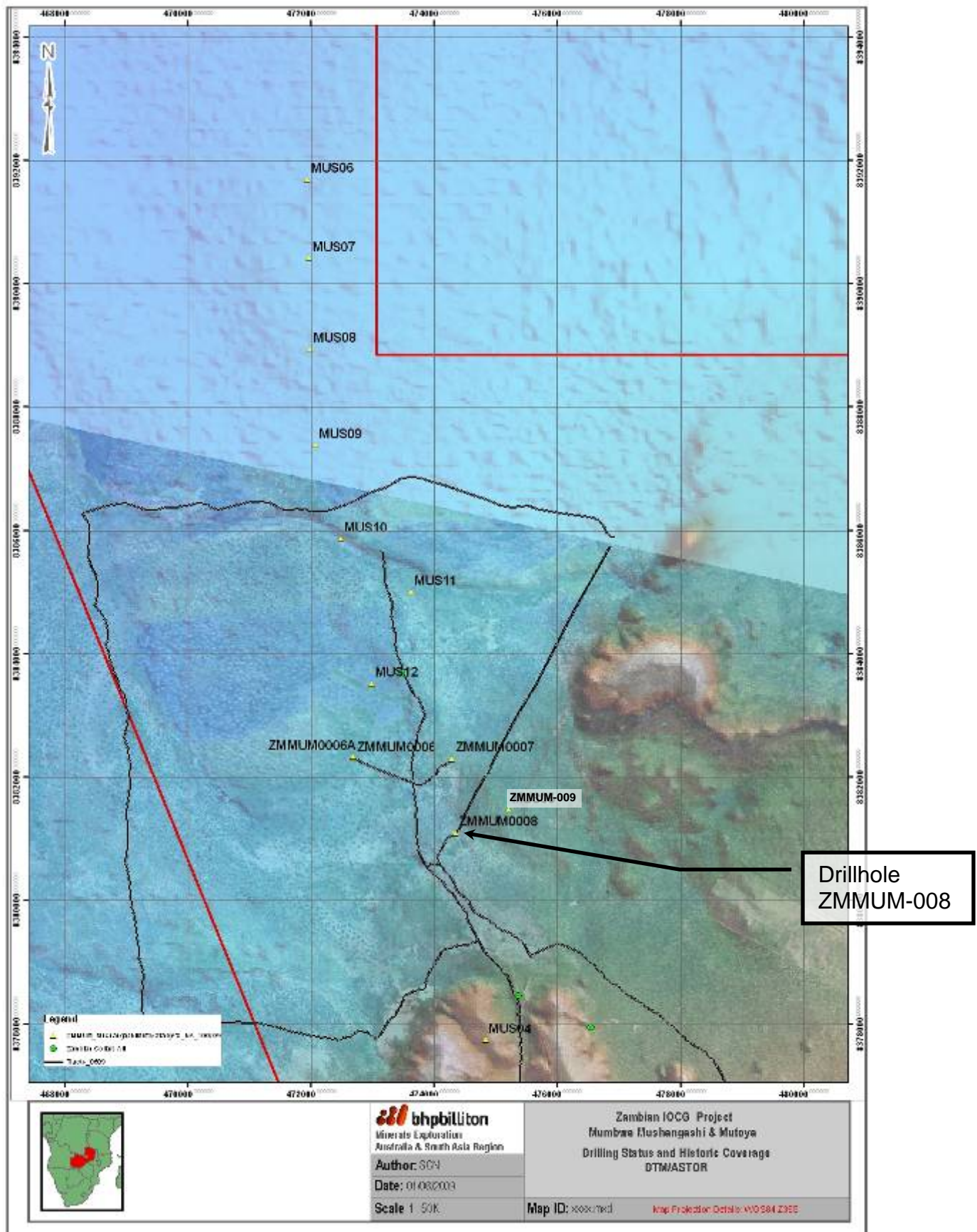


FIGURE 1 – Drillhole Plan for Mushingashi Anomaly illustrating current and planned Phase 3B collar locations.

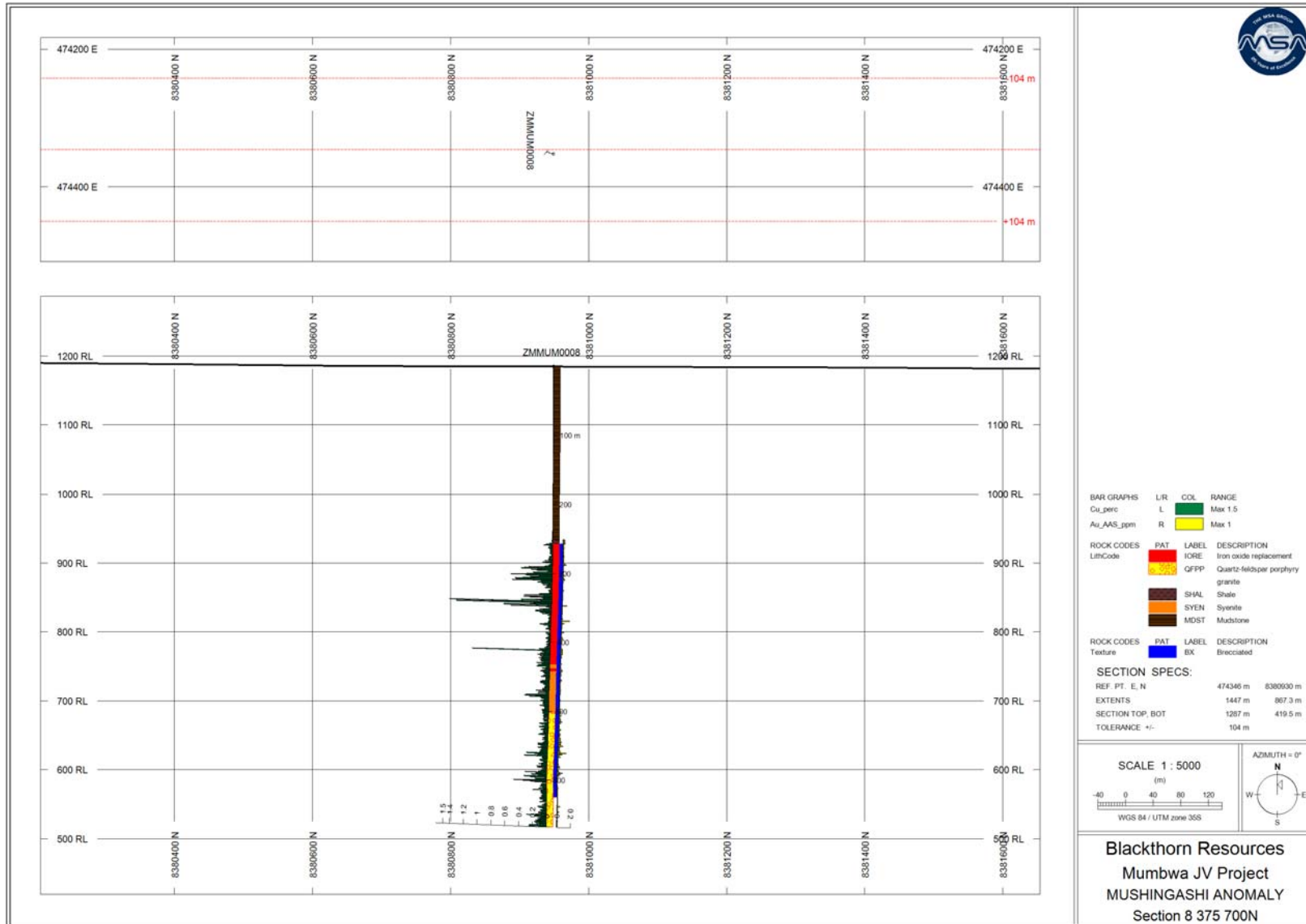


FIGURE 2 – East-West Section illustrating the drill trace for hole ZMMUM-008, from the Mushingashi Anomaly, showing Cu and Au values. Ends

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