

20 October 2010

HIGH GRADE GOLD MINERALISATION INTERSECTED AT THE MUMBWA JV PROJECT, ZAMBIA

KEY POINTS:

- **Gold mineralisation was intersected at Mumbwa in drill hole MUM0008BD, which includes:**
 - **6m at 0.81 g/t Au between 1,053m and 1,059m**
 - **16m at 8.97 g/t Au between 1,073m and 1,089m, including**
 - **8m at 14.09 g/t Au between 1,081m and 1,089 metres.**
- **Drill hole MUM0008BD was drilled to test the western flank of the Mushingashi magnetic and gravity anomaly and was sited near the previously drilled Phase 3B hole, ZMMUM-008.**
- **Phase 3B drill hole ZMMUM-008 was completed in 2009 and intersected massive hematite and magnetite breccia with associated pyrite, chalcopyrite and bornite with secondary chalcocite. Geological interpretation of the mineral assemblages indicated that the core of an IOCG system could be located near-by.**
- **Geological and geophysical modelling indicates that this area is the contact zone between a dominant brecciated unit in the west and syenite in the east.**

Blackthorn Resources Limited (ASX: BTR) (“the Company” or “Blackthorn Resources”) is pleased to announce assay results from drill hole MUM0008BD which was completed as part of the Phase 4 exploration program currently underway at the Company’s Mumbwa joint venture (JV) project in Zambia.

Drill hole MUM0008BD intersected a zone of high grade gold mineralisation and includes the following drilled thickness intervals:

- 6m at 0.81 g/t Au between 1,053m and 1,059m
- 16m at 8.97 g/t Au between 1,073m and 1,089 m, including
 - 8m at 14.09 g/t Au between 1,081m and 1,089 metres.

The Mumbwa project area is being explored with JV partner BHP Billiton (40%) which is currently funding and managing the Phase 4 exploration activities for Iron Oxide Copper-Gold (IOCG) style of mineralisation. The Phase 4 program, which plans to drill test 15 targets for approximately 14,500m along the Mushingashi-Mutoya anomaly, has already completed drilling 12 holes for a total of 11,889.4 metres.

The Phase 4 program is continuing and completion of drilling remaining targets is nearing completion. Exploration assay results have been received and reported by Blackthorn Resources for 5 completed drill holes. Results from remaining holes will be announced to the market as received.

ASSAY RESULTS

Drill hole MUM0008BD was drilled on the ‘MUS-015’ target situated on the northern extremity of the southern Mushingashi Anomaly as illustrated in FIGURE 1. MUM0008BD was drilled at an angle of 70 degrees towards the east (090 degrees) and was terminated at a drilled depth of 1,094.6 metres. A total of 444 drill core and quality control samples were submitted to the SGS laboratory for sample preparation and multi-element analysis.

Drilled thickness intervals are quoted as weighted average grades for mineralised intersections using $\geq 0.25\%$ Copper (Cu) and ≥ 0.25 g/t gold (Au) cut-off.

MUM0008BD

- 4m at 0.30% Cu between 347m and 351m
- 6m at 0.81 g/t Au between 1,053m and 1,059m *
- 16m at 8.97 g/t Au between 1,073m and 1,089m, including *
- 8m at 14.09 g/t Au between 1,081m and 1,089m

* Denotes an interval of gold mineralisation

Managing Director Scott Lowe said

"We have seen evidence of lower grade Gold mineralisation at Mumbwa in previous drilling results. However, this hole has shown gold grades that are significantly higher than previously experienced. While the gold has been intersected at a deep level, this is nevertheless a very interesting development."

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 (non-accredited method) and by fire assay with atomic absorption spectrometry finish for gold.

ATTRIBUTION

The information in this report which relates to Exploration Results at the Mumbwa JV Project in Zambia 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 by the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (The JORC Code 2004 Edition). 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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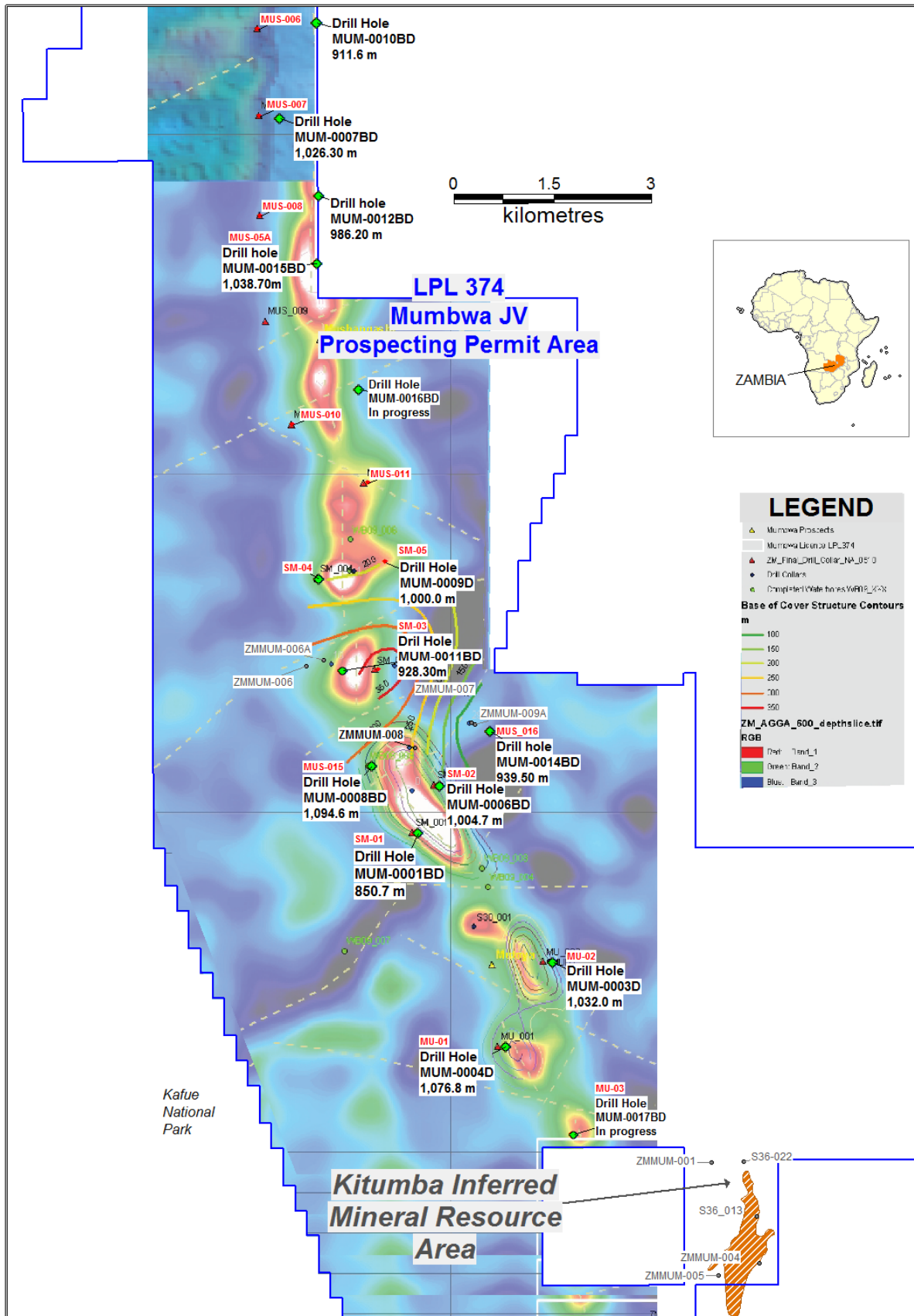


FIGURE 1 – Drill hole location plan showing 15 Phase 4 targets over the Mushingashi and Mutoya anomalies. The Kitumba inferred mineral resource area is situated in the south east.

Ends