

4 November 2009

MUMBWA JV PROJECT – EXPLORATION DRILLING RESULTS

KEY POINTS:

KITUMBA ANOMALY

- Results received from drill holes ZMMUM-004 and ZMMUM-005, drilled on the Kitumba Anomaly, revealed copper (“Cu”) and gold (“Au”) mineralisation.

ZMMUM-004

- 6m at 1.34 g/t Au between 206m and 212m, including
 - 2m at 2.80 g/t Au between 210m and 212m
- 2m at 3.56 g/t Au between 264m and 266m
- 6m at 0.45 g/t Au between 384m and 390m, including
 - 2m at 0.82 g/t Au between 388m and 390m
- 1m at 0.74 % Cu between 550m and 551m
- 2m at 0.99 % Cu between 628m and 630m
- 2m at 0.59 % Cu between 652m and 654m
- 2m at 0.65 % Cu between 758m and 760m

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ZMMUM-005

- 12m at 0.51 % Cu between 246m and 258m, including
 - 2m at 1.24 % Cu between 246m and 248m, and
 - 2m at 0.59 % Cu between 254m and 256m
- 2m at 0.67 % Cu between 318m and 320m
- 1m at 0.35 % Cu between 390m and 392m

- Additional assay results received from the above 2 holes are not included in the recently announced Inferred Mineral Resource estimate. In situ Inferred Mineral Resource for Kitumba was estimated at 0.87Mt grading 0.94% Cu (using a 0.5% cut-off); or 345Mt grading 0.47% Cu (using a 0.2% cut-off)

MUSHINGASHI ANOMALY

- Results received from drill holes ZMMUM-006A, drilled on the Mushingashi Anomaly, revealed minor copper mineralisation.

ZMMUM-006A

- 3m at 0.35 % Cu between 490m and 493m
- 1m at 0.26 % Cu between 494m and 495m
- 1m at 0.32 % Cu between 507m and 508m
- 1m at 0.35 % Cu between 509m and 510m

- ZMMUM-009A was drilled and terminated at a depth of 122.8 metres. A decision was made to extend this hole and results will be provided upon completion of the hole.

* Denotes gold mineralisation



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

Assay results were received from 2 drill holes (ZMMUM-004 and ZMMUM-005) completed on the Kitumba Anomaly, and a single hole (ZMMUM-006A) completed on the Mushingashi Anomaly.

BHP Billiton (40% JV partner) is currently managing and funding the Phase 3B drilling program, which has been temporarily suspended while safety improvements and camp relocation are underway. Drilling is planned to re-commence upon the finalising site improvements and appointment of a new drilling contractor by BHP Billiton.

Kitumba Assay Results

Assay results were received from cored drillhole ZMMUM-004 and ZMMUM-005 representing results from the 4th and 5th holes respectively from 5 holes drilled on the Kitumba Anomaly in 2009 during the Phase 3B campaign.

From these 5 holes drilled on the Kitumba Anomaly, only one hole (ZMMUM-001) was included in the recent Inferred Mineral Resource estimate reported to the ASX on 19 October 2009. Drillholes ZMMUM-004 and ZMMUM-005 are situated towards the southeast and southwest of the resource area and indicate that mineralisation is present outside of the current mineral resource envelope, and inclusion of these holes into the resource model may provide some additional upside to the resource quoted.

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

ZMMUM-004

ZMMUM-004 was core drilled at an angle of 60 degrees towards the north (000 degrees) and was terminated at a drilled depth of 932.65 metres. A total of 564 samples of drill core and quality control samples were submitted for sample preparation and multi-element analysis.

Drilled thickness intercepts of copper from drill hole ZMMUM-004 above the cut-off include:

•	2m	at	0.43 g/t Au between 156m and 158m	*
•	6m	at	1.34 g/t Au between 206m and 212m, including	*
○	2m	at	2.80 g/t Au between 210m and 212m	*
•	2m	at	3.56 g/t Au between 264m and 266m	*
•	2m	at	0.47 g/t Au between 342m and 344m	*
•	2m	at	0.38 g/t Au between 350m and 352m	*
•	2m	at	0.32 g/t Au between 354m and 356m	*
•	2m	at	0.35 g/t Au between 362m and 364m	*
•	2m	at	0.27 g/t Au between 366m and 368m	*
•	2m	at	0.42 g/t Au between 380m and 382m	*
•	6m	at	0.45 g/t Au between 384m and 390m, including	*
○	2m	at	0.82 g/t Au between 388m and 390m	*
•	2m	at	0.31 g/t Au between 450m and 452m	*
•	4m	at	0.40 g/t Au between 474m and 478m	*
•	2m	at	0.25 g/t Au between 524m and 526m	*
•	1m	at	0.74 % Cu between 550m and 551m	
•	2m	at	0.99 % Cu between 628m and 630m, including	
○	2m	at	0.30 g/t Au between 628 and 630m	*
•	2m	at	0.28 % Cu between 632m and 634m	
•	2m	at	0.28 % Cu between 644m and 646m	
•	4m	at	0.45 % Cu between 652m and 656m, including	
○	2m	at	0.59 % Cu between 652m and 654m	
•	2m	at	0.42 % Cu between 658m and 660m	
•	2m	at	0.28 % Cu between 742m and 744m	
•	2m	at	0.65 % Cu between 758m and 760m	
•	2m	at	0.32 % Cu between 762m and 764m	
•	2m	at	0.26 % Cu between 906m and 908m	

* Denotes gold mineralisation

It is noted that ZMMUM-004, drilled outside the Kitumba mineral resource envelope on the southeastern side, contains gold mineralisation in the upper part of the hole above 630m downhole depth, followed by dominantly copper mineralisation to a down hole depth of 908 metres. Geologically the gold bearing zone is associated with feldspar porphyry syenite while the copper bearing zone is associated with quartz porphyry granite.

These intersections will be further reviewed in conjunction with the Inferred Mineral Resource model to evaluate their significance.

ZMMUM-005

ZMMUM-005 was core drilled at an angle of 60 degrees towards the north (000 degrees) and was terminated at a drilled depth of 732.0 metres. A total of 420 samples of drill core and quality control samples were submitted for sample preparation and multi-element analysis.

- 4m at 0.30 g/t Au between 86m and 90m *
- 2m at 0.39 g/t Au between 92m and 94m *
- 4m at 0.28 % Cu between 154m and 158m
- 12m at 0.51 % Cu between 246m and 258m, including
 - 2m at 1.24 % Cu between 246m and 248m, and
 - 2m at 0.59 % Cu between 254m and 256m
- 2m at 0.32 % Cu between 298m and 300m
- 2m at 0.67 % Cu between 318m and 320m
- 4m at 0.32 % Cu between 360m and 364m
- 2m at 0.55 % Cu between 390m and 392m
- 2m at 0.25 % Cu between 526m and 528m
- 2m at 0.35 g/t Au between 720m and 722m *

* Denotes gold mineralisation

ZMMUM-005 was drilled outside of the Kitumba mineral resource envelope on the south-southwestern side. This hole contains an interval of copper mineralisation from 246m downhole depth which is concentrated within quartz porphyry granite, and comparable to intersections and grades included in the mineral resource model. Further review of these intersections will determine their significance and materiality to the recent mineral resource model.

Mushingashi Assay Results

Assay results from hole ZMMUM-006A, represent assays from the 3rd hole from 4 targets drilled from the southern portion of the Mushingashi Anomaly. Phase 3B included a total of 6 holes drilled on Mushingashi for which 2 holes were abandoned prior to achieving target depth. These 2 holes were redrilled as ZMMUM-006A as reported here, and ZMMUM-009A which is pending.

Drillhole ZMMUM-009A which is pending analysis was drilled to a depth of 122.8m, and terminated within rock described as a monzonite/diorite dyke. It was initially considered that this rock unit was the source of the geophysical anomaly being tested and the hole was terminated. Upon further investigation it was decided to extend the depth of this hole to determine the geology at depths beyond this rock unit. Sampling and analysis of the remaining part of this hole will be reported upon completion of drilling this hole.

The holes drilled on the Mushingashi Anomaly are located approximately 5-10 km northwest from the previously drilled Kitumba Anomaly, and are excluded from the recent mineral resource estimate commissioned by Blackthorn Resources and reported to the ASX on 19 October 2009. It is anticipated that any significant mineral resource potentially identified at Mushingashi would complement the existing Inferred Mineral Resource already defined at Kitumba.

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.

ZMMUM-006A

ZMMUM-006A was core drilled at an angle of 60 degrees towards the east (090 degrees) and was terminated at a drilled depth of 718.2 metres. A total of 243 samples of drill core and quality control samples were submitted for sample preparation and multi-element analysis.

Drilled thickness intercepts of copper from hole ZMMUM-006A above the cut-off include:

- 3m at 0.35 % Cu between 490m and 493m
- 1m at 0.26 % Cu between 494m and 495m
- 1m at 0.32 % Cu between 507m and 508m
- 1m at 0.35 % Cu between 509m and 510m

(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.

**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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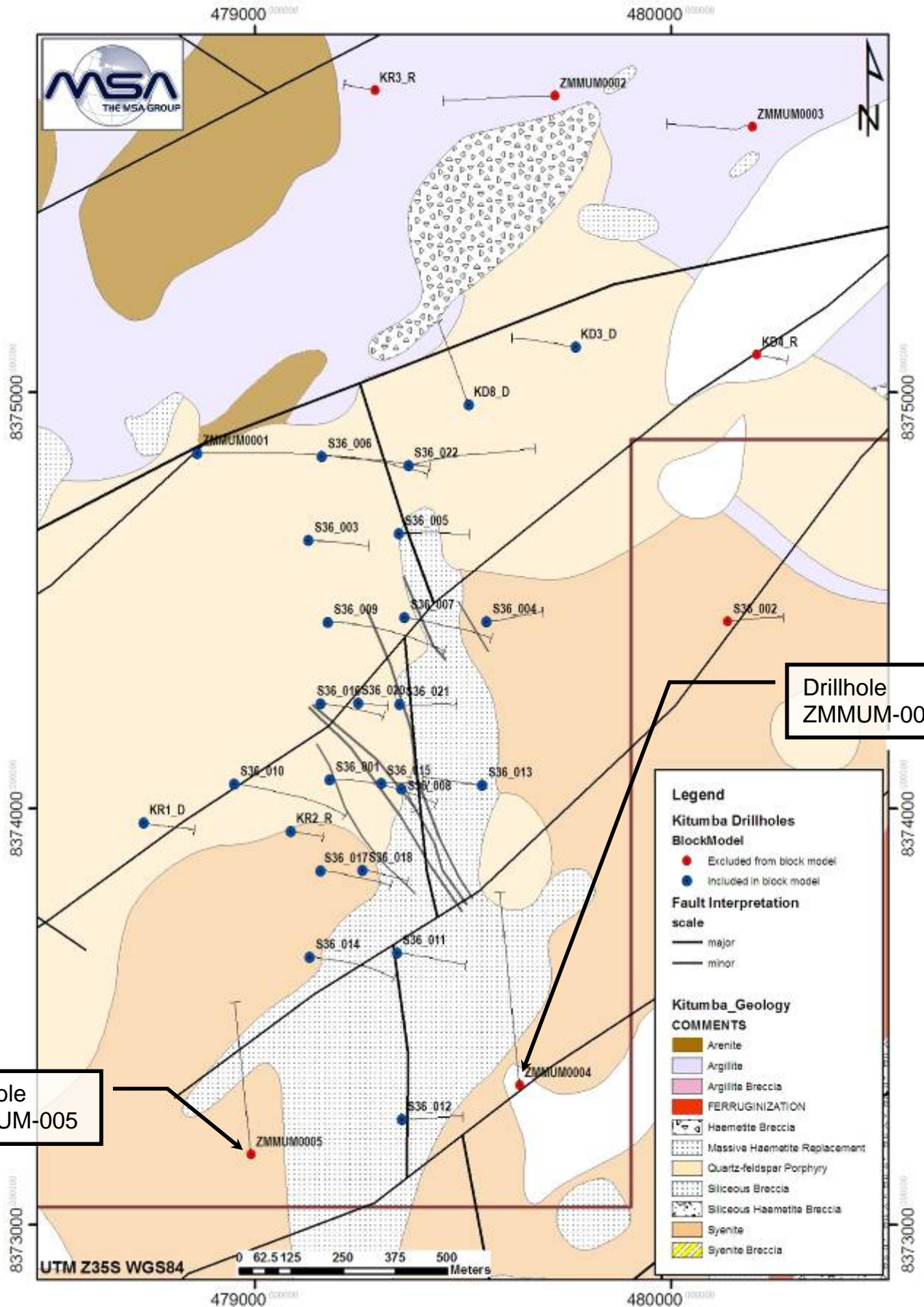


FIGURE 1 – Kitumba Anomaly Drillhole Location Plan

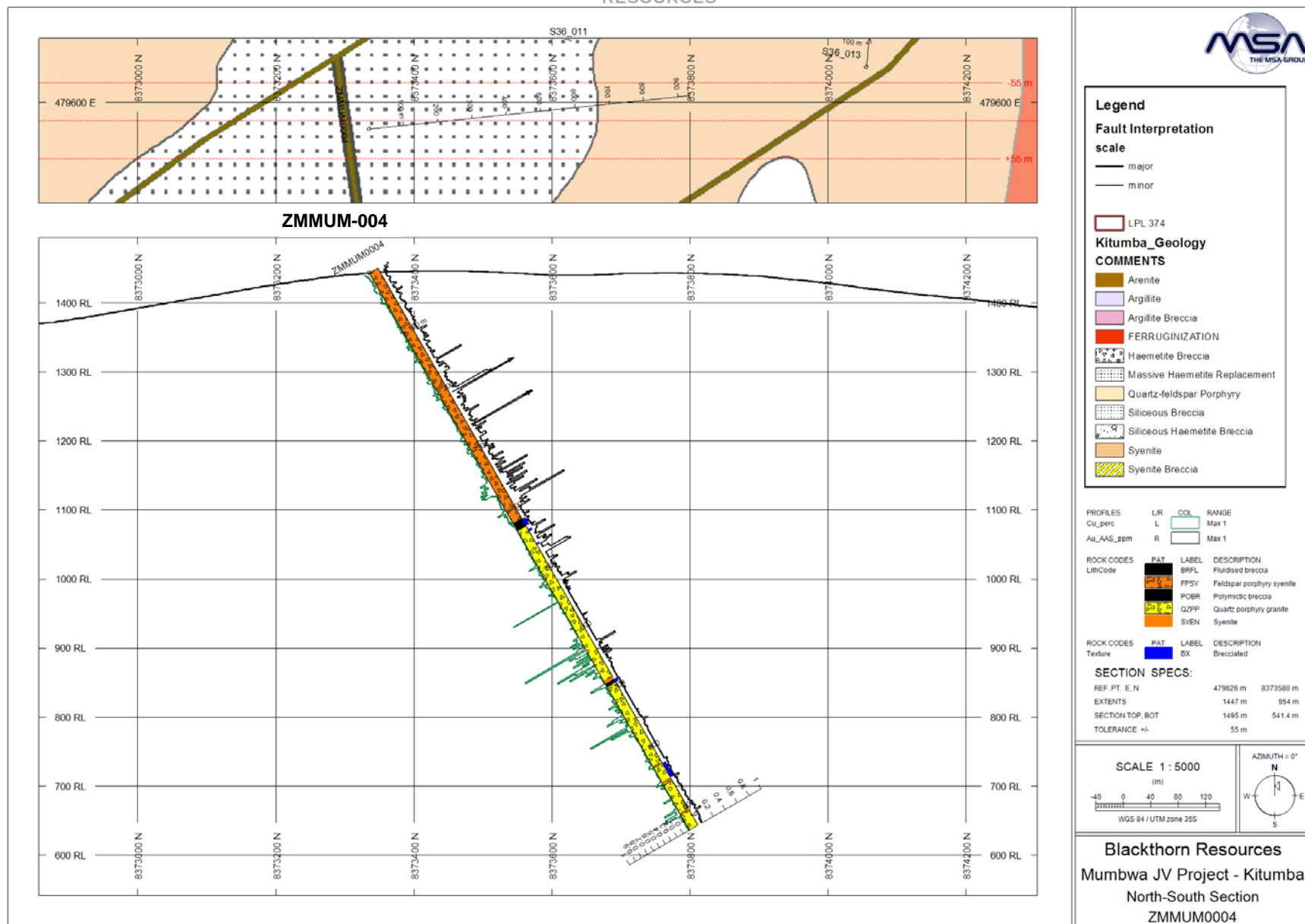


FIGURE 2 – North – South section across the Kitumba Anomaly showing drill trace and results for drillhole ZMMUM-004

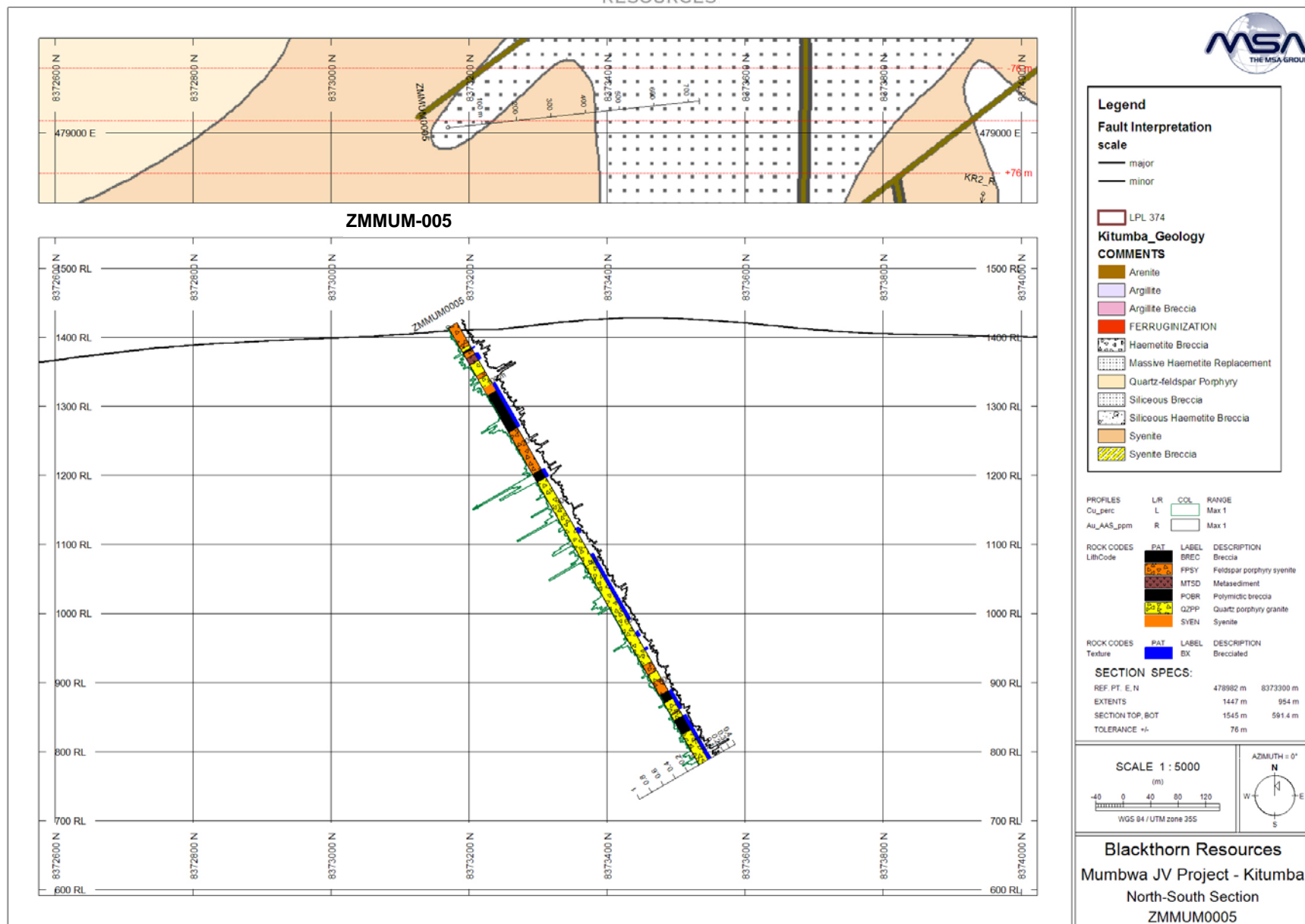


FIGURE 3 – North – South section across the Kitumba Anomaly showing drill trace and results for drillhole ZMMUM-005



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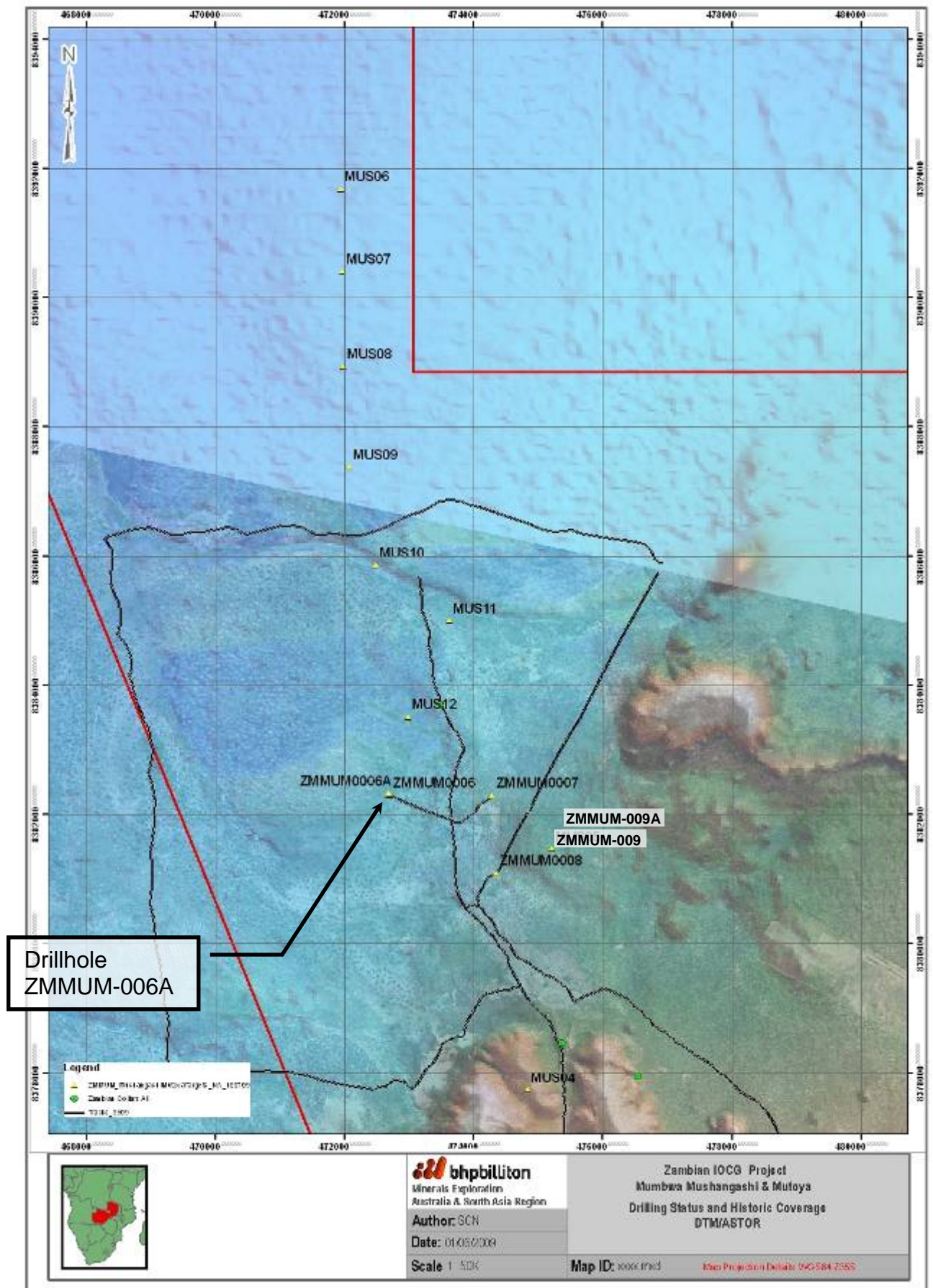


FIGURE 4 – Mushingashi Anomaly Drillhole Location Plan

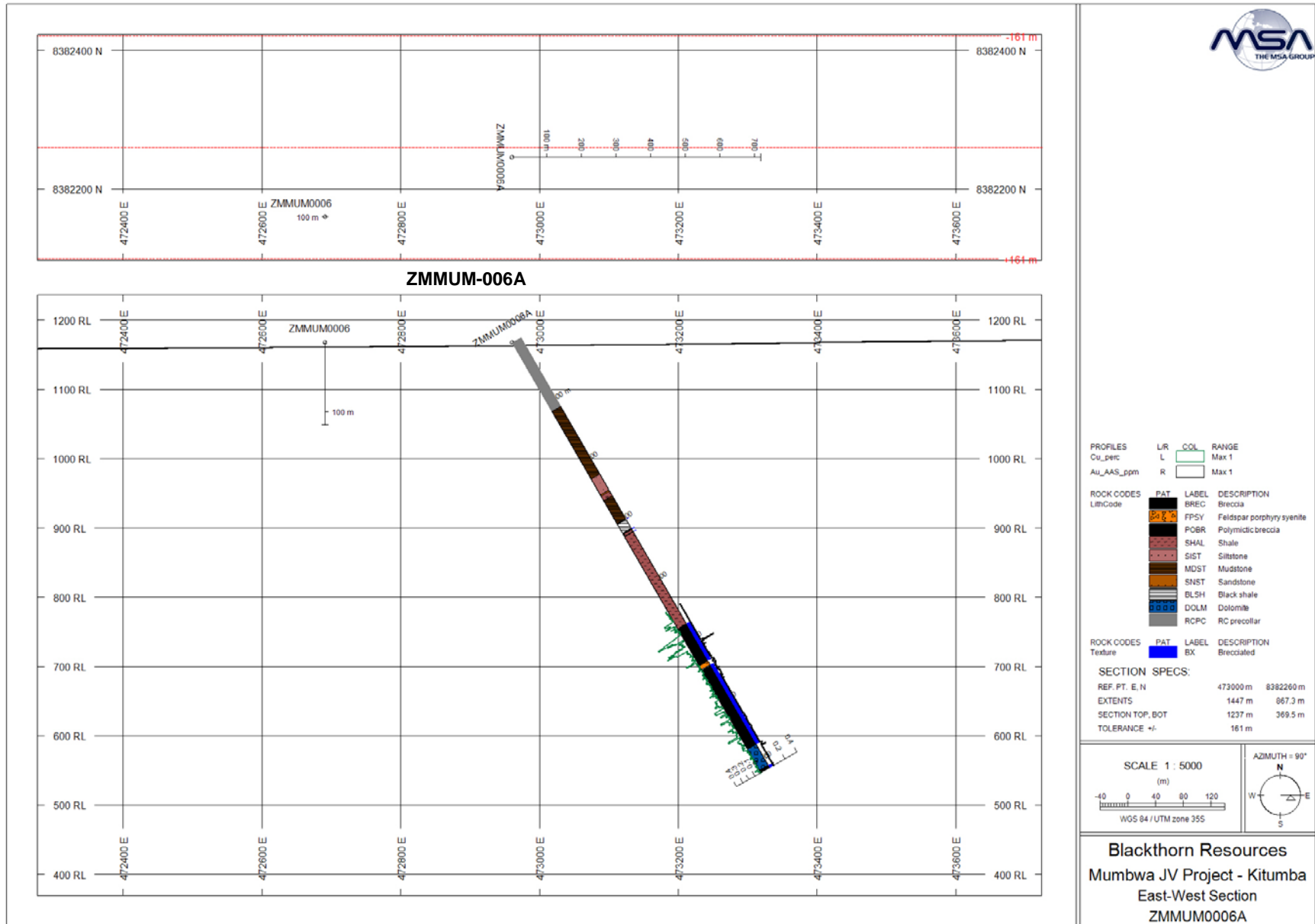


FIGURE 5 – East – West section across the Mushingashi Anomaly showing drill trace and results for drillhole ZMMUM-006A.
 Ends