BSE RELEASE

27 April 2009

Discovery Metals Limited
(‘Discovery Metals’ or the ‘Company’)
(AIM: DME) (ASX/BSE: DML)

11 Kilometre Long Copper Anomaly at Nexus

Highlights:

- New soil geochemical copper anomaly discovered south west of the existing Nexus Prospect
- Previous drilling has confirmed that Nexus hosts copper-silver mineralisation
- Copper anomaly extends for 11 kilometres and runs parallel to the Zeta Prospect
- New discovery located within the existing Boseto Copper Project area
- Follow up drilling is planned for 2010 after completion of current Resource in-fill programme

Copper Anomaly Discovered at Nexus:

Discovery Metals Limited (ASX/BSE: “DML”) (AIM: DME) announces the discovery of an extensive copper anomalous zone along the strike of the Nexus Prospect as a result of its extensional exploration soil sampling programme at its 100% owned Boseto Copper Project. (Figure 1)

The new anomalous copper zone lies two kilometres to the north west of and trends parallel to the existing Zeta Prospect (Mineral Resource of 25.2 Mt @ 1.5% Cu and 20.1 g/t Ag at a cut off grade of 0.6% Cu). (Figures 2, 3 and 4)

Previous drilling of seven holes (1022 metres) by Discovery Metals to the north east of the new discovery identified copper–silver mineralisation similar in nature to that occurring at the nearby Zeta, Plutus and Petra Mineral Resources. These holes are detailed in Table 1 and Figure 5 and were previously announced in July 2007. Geological logging of these holes indicates a stratigraphic package and position of mineralisation similar to that logged at the Zeta Prospect. In addition, sixteen holes drilled by others along the Nexus strike to both the south west and north east also intersected copper-silver mineralisation.

Discovery Metals plans to conduct further drill testing of the Nexus Prospect in early 2010 following completion of the current in-fill drilling programme at the Zeta, Plutus and Petra Prospects, which is planned for completion in the last quarter of 2009.
**Implications for Boseto Project:**

The Nexus Prospect and this new eleven kilometre long copper anomaly are situated within the Boseto Copper project area, two kilometres to the north west of the Zeta Prospect.

Discovery Metals completed an initial drilling programme at the north eastern extent of the Nexus Prospect strike length in 2007. This programme successfully intersected copper-silver mineralisation at Nexus, but the Company deferred further exploration at Nexus while it focused on the delineation and in-fill drilling of Mineral Resources at Zeta, Plutus and Petra.

The proximity to the proposed processing facility and strike extent of this undeveloped Prospect presents the possibility to increase the Mineral Resource base of the Boseto Copper Project.

Additional Mineral Resources at Boseto will potentially provide improved scheduling flexibility, the opportunity to initially mine higher grade resource areas and the opportunity to upscale or extend the project life, thereby contributing to an improvement in the project economics.

Discovery Metals’ Managing Director, Brad Sampson stated, “The Boseto Copper Project sits within the Kalahari Copper Belt, an area well known to be highly prospective for copper-silver mineralisation. We have always believed that our ongoing extensional exploration programme would identify more exploration targets with the potential to increase the Boseto Copper Project Mineral Resource base, production scale, and/or mine life.”

“At Nexus, we have identified another eleven kilometre long copper anomaly which is directly analogous to the soil anomalies under which the Plutus and Zeta resources were discovered. This adds to the 13.5 kilometres of strike extension identified recently at south west Petra and the 13.4 kilometres of strike length at Quirinus identified in 2008 and clearly demonstrates the efficacy of the soil geochemistry programme,” he added.

**Boseto Project Background:**

Discovery Metals’ Boseto Copper Project (100% owned) is located in north west Botswana, approximately eighty kilometres south west of the town of Maun, within the district of Ngamiland. A seven tenement package was granted to Discovery Metals in September 2005 and fieldwork on this tenement package commenced in October 2005. The Government of Botswana approved the Company’s renewal of these tenements in September 2008 and all prospective areas were retained by the Company. In June 2008, Discovery Metals was granted an additional seven tenements extending from the south west boundary of the original 2005 granted tenements through to the Namibian border, adding 5,700km2 to the area held under prospecting licenses to bring the total current tenement area to 10,100km2. The outer limit of the exploration licence area starts approximately sixty kilometres south west of Maun and stretches in a south westerly direction for approximately three hundred kilometres to the Namibian border.

The Boseto Copper Project is located within a belt of significant copper-silver mineralisation that extends from the well known and more highly developed Zambian Copper Belt across north-west Botswana and into Namibia. The poorly explored and undeveloped portion of this belt in north-west Botswana is known as the Kalahari Copper Belt.
Copper in the Boseto Project area, occurs predominantly in chalcocite, with minor amounts of bornite and other copper sulphides present. At shallow depths, malachite and chrysocolla exist in significant proportions within some areas of the mineral resource.

The total Mineral Resource for the Boseto Copper Project, reported in accordance with The Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code, “2004 Edition”) at a cut off of 0.6% Cu is:

50.2 Mt @ 1.5% Cu and 17.8 g/t Ag containing 753 kt Cu metal and 29 Moz silver

A Pre Feasibility Study for the Boseto Copper Project was completed on time and on budget in July 2008. Discovery Metals is currently undertaking a Bankable Feasibility Study for the Boseto Copper Project.

Further information on the Company is available on its website: www.discoverymetals.com.au

Competent Persons Statement
The information in this report as it relates to the Zeta, Plutus and Petra Mineral Resources for the Boseto Copper project was compiled by Mr Jason Hosken; and reviewed by David Arnott, all whom are Members of The Australasian Institute of Mining and Metallurgy. Mr Hosken and Mr Arnott are full time employees of Snowden Mining Industry Consultants. Mr Arnott 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 2004 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. The information in this report that relates to Exploration Results is based on information compiled by Mr Fred Nhiwatiwa who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Nhiwatiwa is a full-time employee of the Company. Mr Nhiwatiwa 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 2004 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Mr Arnott and Mr Nhiwatiwa consent to the inclusion in the report of the matters based on information provided by them and in the form and context in which it appears.
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<thead>
<tr>
<th>HoleID</th>
<th>Prospect</th>
<th>Northing (m) WGS84</th>
<th>Easting (m) WGS84</th>
<th>Section</th>
<th>Dip/Azi</th>
<th>Total Depth (m)</th>
<th>Min. From (m)</th>
<th>Min. To (m)</th>
<th>Geochemical Results over down hole thickness (0.3% Cu cut-off)</th>
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