



## **MIDLAND ACQUIRES PROPERTY WITH STRONG AU-CU POTENTIAL IN THE ABITIBI REGION, QUEBEC**

Montreal, May 13, 2009. Midland Exploration Inc. (“**Midland**”) (TSX-V: **MD**) is pleased to announce it has acquired by map staking 100% interest in 375 claims (Laflamme Property) covering a surface area of about 210 square kilometres to the west of Lebel-sur-Quévillon in the Abitibi region of Quebec. This extensive land position is strategically located between the Sleeping Giant gold mine, which has produced more than 960,000 ounces of gold to date (*Source: IAMGOLD website*), and the Comtois high grade gold deposit held by Maudore, where uncut inferred resources are estimated at 524,000 ounces of gold in the Osbourne and Bell zones (*Source: May 2002 NI-43-101 compliant technical report by Roscoe Postle Associates Inc.*).

This new strategic acquisition is located in an area where a recent till sampling survey identified new strong Au-Cu anomalies, for which sources remain unexplained. This sampling program, representing phase II of the Octave Project, was jointly led by Quebec’s Ministère des Ressources Naturelles et de la Faune (MRNF) and the Geological Survey of Canada (GSC).

Recently, the MRNF released a series of new mineral exploration targets in Quebec, many of which occur in the Laflamme Property area. Among these new targets, a copper dispersal train some 15 kilometres long is defined by the presence of up to 20 chalcopyrite grains or more per kilogram in heavy mineral concentrates derived from the sand fraction (0.25 mm to 1.0 mm) of till samples. The train is also identified by the gold grade of the fine fraction. Major structures with anomalous gold values, and quartz-carbonate and tourmaline alteration also appear in the list of auriferous targets identified by the MRNF.

The GSC is currently completing its interpretation of till anomalies, and preliminary data released last November during Quebec Exploration 2008 indicated strong potential for the presence of NE-SW trending gold and copper dispersal trains. The Laflamme Property likely covers the potential sources of these trains, which as yet remain unexplained. Geochemical results from the heavy fraction (0.063 mm to 0.25 mm) of till samples yielded many values above 0.35 g/t Au (95<sup>th</sup> percentile), reaching up to 1.3 g/t Au (99<sup>th</sup> percentile).

The bedrock in the area is dominated by porphyritic, pillowed and locally magnetic basalts, cut by diorite intrusions, felsic porphyry intrusions, and a swarm of NE-trending diabase dykes. This sequence is bounded to the north by the Marest granodioritic pluton. Several major structures trending EW to ENE-WSW occur in the south part of the property.

This vast area has seen very little exploration work in the past, due to the presence of a locally thick cover of clay. Only a few ground-based geophysical surveys and a few drill holes were done to follow up on airborne electromagnetic surveys.

### **About Midland Exploration**

Midland targets the excellent mineral potential and the favourable investment climate of Quebec to make the discovery of new world-class deposits of gold, base metals and uranium. Midland is proud to count on reputable partners such as Agnico-Eagle, Soquem Inc. and Quest Uranium Corporation. Midland prefers to work in partnership and intends to quickly conclude additional agreements in

regard to newly acquired properties. Midland is currently evaluating new opportunities and other projects in order to increase the portfolio of the Company.

This press release was prepared by Mario Masson, geologist and a Qualified Person as defined by NI 43-101. For further information, please consult Midland's website or contact:

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