



MIDLAND EXPLORATION ADDS TWO STRATEGIC CLAIM BLOCKS TO ITS CASAULT GOLD PROPERTY EAST OF DETOUR LAKE

Montreal, February 3, 2011. **Midland Exploration Inc.** ("Midland") (TSX-V: MD) is pleased to announce the acquisition by map staking of two new claim blocks with strong gold potential, located along two major structures, the Sunday Lake and Massicotte deformation zones. These new acquisitions, named Casault-West and Casault-South, expand the Casault Property, which is located along the major Sunday Lake Fault, about 40 kilometres east of the Detour Lake ore deposit (Ontario). The latter contains 14.9 million ounces in near-surface gold reserves, and commercial production is expected to commence in early 2013 (*Source: Press release dated January 31, 2011 and Detour Gold Corporation website*).

The new Casault-South block, consisting of 15 claims, covers the Massicotte Fault, a major gold-bearing structure, over more than 2.8 kilometres strike length. On a regional scale, this structure hosts several significant gold showings, namely the Lynx showing, which graded 7.8 g/t Au over 7.2 metres, the Rambo showing with a grade of 6.3 g/t Au over 2.7 metres, and the LA-3 showing, which yielded 24.0 g/t Au over 2.5 metres (*Source: SIGEOM-MRNF*). On the Casault-South block, a historical drill hole, LA-7, intersected 9.2 g/t Au over 1.4 metres, associated with a sheared graphitic argillite. This significant gold-bearing structure remains untested over more than 2.5 kilometres strike length.

The newly acquired Casault-West block, consisting of 25 claims, covers an additional 4.5-kilometre-long segment of the major Sunday Lake deformation zone. With these two acquisitions, Midland now controls more than 12.5 kilometres along the major Sunday Lake deformation zone east of Detour Lake, and more than 2.8 kilometres along the Massicotte Fault, which is associated with many gold showings. A historical frequency-domain Induced Polarization ("IP") survey carried out by Placer Dome on the Casault-Centre block, identified several drill targets which were never tested.

The Casault Property is located about 140 kilometres north of the town of La Sarre in Quebec. It now consists of a total of 150 wholly-owned claims covering a total surface area of about 84 square kilometres.

Maps showing Midland's strategic land position may be consulted using the following links:

For Figure 1 – Map of the Abitibi showing the location of the Casault project, click here: <http://media3.marketwire.com/docs/Fig1E.pdf>

For Figure 2 – Regional map showing the location of the Casault claim blocks, click here: http://cnrp.marketwire.com/cnrp_files/20110202-Fig2E.pdf

About Midland

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 rare earth elements. Midland is proud to count on reputable partners such as Aurizon Mines Ltd., Agnico-Eagle Mines Limited, Osisko Mining Corporation, North American Palladium Limited, Japan Oil, Gas and Metals National Corporation, Zincore Metals Inc. and SOQUEM Inc. 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, VP Exploration for Midland, certified geologist and Qualified Person as defined by NI 43-101. For further information, please consult Midland's website or contact:

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