

MANICOUAGAN MINERALS INC.
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News Release

**MANICOUAGAN COMMENCES DRILLING AT DOROTHY-DOBIE LAKE
PROPERTY, PICKLE LAKE, ONTARIO**

TORONTO, October 21, 2009 - Manicouagan Minerals Inc. (TSXV – MAM) is pleased to announce that it has commenced diamond drilling on the Dorothy-Dobie Lake property in Pickle Lake, Ontario.

The helicopter supported drill program will cost approximately \$800,000 and will consist of a minimum of 8 to 10 diamond drill holes designed to test selected targets along the 12 kilometre long Golden Patricia Mine trend including the Dorothy Main and Dobie Lake Zones. Assays will be released as they become available.

Manicouagan currently holds directly or has under option approximately 112 square kilometres within the Pickle Lake Greenstone Belt. The Pickle Lake Greenstone Belt, is part of the prolific Uchi Geological Sub-province which hosts the Pickle Lake, Red Lake and Rice Lake gold camps. Production to date, from these camps has amounted to over 25 million ounces of gold. The Pickle Lake Greenstone Belt includes four past producing mines: Pickle Crow (1,450,000 ounces grading 16.1 grams per tonne gold), Central Patricia (650,000 ounces grading 12.0 grams per tonne gold), Golden Patricia (450,000 ounces grading 19.9 grams per tonne gold) and Dona Lake (200,000 ounces grading 8.6 grams per tonne gold).

Manicouagan can earn up to a 70 percent interest in the Dorothy-Dobie Lake, Kasagiminnis and Pickle Lake East properties pursuant to an option agreement with Trillium North. (*See MAM Press Release dated April 16, 2009.*)

A sketch showing the location of the properties is available at www.manicouaganminerals.com.

Manicouagan continues to consult with the Cat Lake, Mishkeegogamang and Slate Falls First Nations with respect to its activities in the Pickle Lake Area.

Manicouagan's exploration programs in the Pickle Lake area are being carried out under the direct supervision of Bruce W. Mackie, P.Geol., a consulting geologist for Manicouagan Minerals. Bruce W. Mackie, P.Geol., has reviewed and verified the technical content of this press release on behalf of Manicouagan

Minerals and is a "Qualified Person" as defined in National Instrument 43-101.

About Manicouagan

Manicouagan Minerals Inc. is a Canadian based exploration company focused on advancing its gold projects in the Pickle Lake Gold Belt, Ontario. Manicouagan also has a pipeline of commodity projects including the Brabant Lake Zinc deposit in Saskatchewan, and the HPM/Forgues Nickel/Copper/Cobalt project in Québec.

Additional information about Manicouagan Minerals and its exploration projects can be found at www.manicouaganminerals.com.

Une traduction française de ce communiqué de presse est disponible à www.manicouaganminerals.com.

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The TSXV has not reviewed this news release and does not accept responsibility for the adequacy or accuracy of this news release. The TSXV has neither approved nor disapproved the contents of this news release.

All statements other than statements of historical fact, included in this release, including, without limitation, statements regarding potential mineralization and reserves, exploration results, and future plans and objectives of the Company, are forward-looking statements that involve various risks and uncertainties. There can be no assurance that such statements will prove to be accurate and actual results and future events could differ materially from those anticipated in such statements. Important factors that could cause actual results to differ materially from the Company's expectations are exploration risks detailed herein and from time to time in the filings made by the Company with securities regulators.