

**MANICOUAGAN MINERALS INC.**  
Suite 405, 133 Richmond Street West  
Toronto, Ontario  
M5H 2L3  
(416) 542 – 3980

**News Release**

***MANICOUAGAN COMMENCES PHASE II DIAMOND DRILLING OF THE  
BRABANT LAKE ZINC-COPPER DEPOSIT***

***30 TO 40 HOLES TOTALING 12,000 TO 15,000 METRES EXPECTED***

**TORONTO, June 12, 2007 - Manicouagan Minerals Inc. (TSXV – MAM)** announced today that Phase II diamond drilling has commenced at its wholly owned Brabant Lake Zinc-Copper Deposit. Phase II drilling is expected to consist of approximately 30 to 40 drill holes totaling, in aggregate, some 12,000 to 15,000 metres.

This Phase II program is designed to expand the limits of the Lower Zone which remains largely unexplored. The Phase II program is also designed to facilitate the calculation of a new resource estimate of the deposit in late 2007 or early 2008.

The new resource estimate will be based on a closer spaced drill pattern than the previous resource estimates and as such it is expected that a significant portion of the new resource estimate will be in the indicated rather than inferred resource category. Manicouagan continues to focus on building resources in the Lower Zone which in the first 20 holes of the Phase I program averaged 9.40% zinc over 6.43 metres which is roughly double the zinc grade of the historical resource. All of these efforts are focused on determining the commercial attractiveness of the Brabant Lake Zinc-Copper Deposit.

The Brabant Lake Zinc-Copper Deposit was the subject of an NI 43-101 Technical Report completed by MPH Consulting Ltd. and dated September 15<sup>th</sup>, 2006. The Brabant Lake Technical Report can be viewed on the Company's website at [www.manicouaganminerals.com](http://www.manicouaganminerals.com). A copy can also be found with the Company's filings at [www.sedar.com](http://www.sedar.com).

A drill hole location plan, a table showing drill results to date as well as additional information on the project is available on the Company's website at [www.manicouaganminerals.com](http://www.manicouaganminerals.com). The drill hole location plan shows collar locations of Phase I drill holes as well as idealized collar locations of planned

Phase II drill holes. Proposed hole locations will be modified as the drill program progresses.

The Brabant Lake property consists of 21 contiguous claims registered as ML 5054 and is located immediately east of Highway 102 some 175 km from the all services community of La Ronge, Saskatchewan.

Exploration programs are being carried out under the supervision of Rod Thomas, Vice President – Exploration of the Company. Mr. Thomas, a professional geologist, 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.

Manicouagan Minerals Inc. is a Canadian based exploration company with a diversified portfolio of properties. The Company currently holds four base metal projects located in Saskatchewan and Quebec, on which exploration programs are ongoing.

Additional information about Manicouagan Minerals and its exploration projects can be found at [www.manicouaganminerals.com](http://www.manicouaganminerals.com).

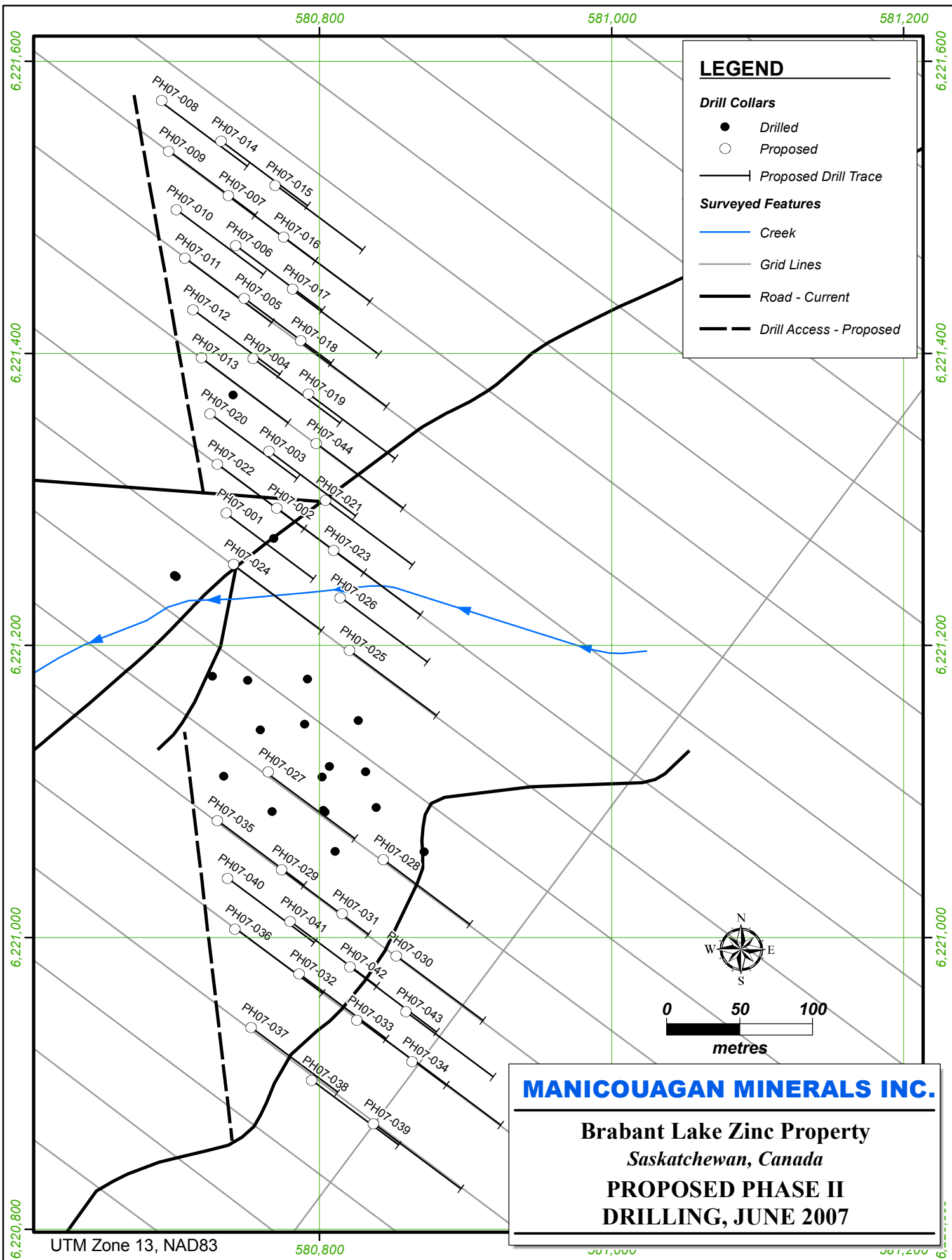
**For further information contact:**

Joseph Baylis, President and Chief Executive Officer  
(416) 542-3980  
[investorrelations@manicouaganminerals.com](mailto:investorrelations@manicouaganminerals.com)

*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.*

**(See attached sketch)**



**LEGEND**

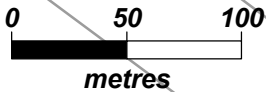
**Drill Collars**

- Drilled
- Proposed

**Proposed Drill Trace**

**Surveyed Features**

- Creek
- Grid Lines
- Road - Current
- - - Drill Access - Proposed



**MANICOUAGAN MINERALS INC.**

**Brabant Lake Zinc Property**  
*Saskatchewan, Canada*

**PROPOSED PHASE II  
 DRILLING, JUNE 2007**

UTM Zone 13, NAD83