



**MOSS LAKE
GOLD MINES LTD**

PRESS RELEASE

DRILLING ACCELERATES, SECOND RIG ARRIVES

Toronto, Ontario: Monday, April 14, 2008 – Moss Lake Gold Mines Ltd. (“Moss Lake”) is pleased to announce that a second drill rig has arrived onsite to accelerate the 6,000 metre drill program on the Moss Lake Gold Deposit. The wholly owned Moss Lake property is located 100 kilometres west of Thunder Bay, Ontario, in the Shebandowan greenstone belt.

A recent NI 43-101 compliant technical report completed by independent consultants Watts, Griffis and McOuat Ltd. (“WGM”) defined an inferred resource estimate of 56.1 million tons grading 0.027 ounces per ton containing 1.51 million ounces of gold. This includes 39 million tons grading 0.035 ounces per ton, or 1.36 million contained ounces when a 0.015 ounce per tonne cut-off grade is applied.

On January 15, 2008, the Company announced that it had re-engaged WGM to undertake a preliminary economic assessment based on the inferred resource model. This is in progress and involves pit optimization modelling, capital and operating costs estimates and economic models.

In conjunction with this work, the Company is conducting a drilling program as recommended by WGM with the purpose of refining the resource model, upgrading the resource classification and advancing the project towards pre-feasibility level studies. This involves both infill drilling and twinning of historic holes to increase confidence levels and refine the resource model. Additionally, some step-out drilling is designed to potentially increase resources within conceptual pit limits.

The Moss Lake gold deposit is hosted by a sheared diorite sill marginal to the Moss Lake syenite stock. Gold is associated with disseminated and fracture-controlled pyrite occurring with sericite and albite alteration. The deposit has been drilled in detail on 50 to 200 foot-spaced crosssections along a strikelength of 8,500 feet. Over 300,000 feet of drilling has defined a 060 degree striking, vertically dipping, mineralized system with average thicknesses of 300 to 500 feet. The deposit remains open at depth.

Management believes the significance of the Moss Lake asset remains undervalued in the marketplace, particularly given the strength in gold markets. Drilling results and results of ongoing studies will be released in a timely manner.

The drilling program is designed by WGM and managed by Clark Exploration of Thunder Bay, Ontario. This press release has been prepared by George Mannard, P.Geo., President of the Company and “Qualified Person” as per NI 43-101.

For further information please refer to the NI 43-101 compliant Technical Report dated November 27, 2006, filed on SEDAR and on the Company’s website www.mosslakegold.com. The Company website also has up-to-date photos of recent drilling (<http://www.mosslakegold.com/documents/gallery.php>) and management has added a 3D wire frame resource model of the Moss Lake Gold Deposit (<http://www.mosslakegold.com/geology4.php>).

Moss Lake Gold Mines Ltd. is listed on the TSX-V exchange under the symbol “MOK” and has 43.9 million shares issued and outstanding.

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The TSX-V has neither approved nor disapproved of information in this release. This release is in the spirit of NI 52-101 continuous disclosure requirements.