

PRESS RELEASE

MOSS LAKE MINERAL RESOURCE ESTIMATE UPGRADED AND INCREASED

Toronto, ON – July 14, 2010 - Moss Lake Gold Mines Ltd. (**MOK: TSX-V**) is pleased to announce an updated NI 43-101 compliant Mineral Resource estimate for its wholly-owned Moss Lake gold deposit located 100 kilometres due west of Thunder Bay, Ontario. This estimate is part of an independent technical report undertaken by Watts, Griffis and McOuat Limited Consulting Geologists and Engineers.

Highlights of the new resource estimate include:

- **Tonnage and contained ounces of gold increase by 8% over previous estimates**
- **65% of resources upgraded to the Indicated resource category**
- **Mineral Resource geometry favours open pit mining techniques**
- **Potential for resource growth recognized in the gap between the Main and QES zones**

The technical report supporting these estimates will be made available within 45 days in accordance with regulatory requirements.

Table 1 - MOSS LAKE MINERAL RESOURCES
Prepared by WGM (using a 0.001 opt Au cutoff and 0.300 opt Au top cut)

Category	Zone	Tons (million)	opt Au	Contained Au (‘000 oz)
Indicated	Main Zone	12.5	0.023	291
	QES Zone	<u>27.8</u>	<u>0.029</u>	<u>816</u>
	Total Indicated	40.3	0.027	1,107
Inferred	Main Zone	16.5	0.025	418
	QES Zone	<u>4.2</u>	<u>0.025</u>	<u>107</u>
	Total Inferred	20.7	0.025	525

Notes: (1) This Mineral Resource estimate was prepared by Mr. Kurt Breede, P.Eng., who is an independent Qualified Person, and is effective July 14th, 2010.

(2) Mineral Resources which are not Mineral Reserves do not have demonstrated economic viability. The estimate of Mineral Resources may be materially affected by environmental, permitting, legal, title, taxation, sociopolitical, marketing, or other relevant issues.

(3) The quantity and grade of reported Inferred resources in this estimation are uncertain in nature and there has been insufficient exploration to define these Inferred resources as an Indicated or Measured Mineral

Resource and it is uncertain if further exploration will result in upgrading them to an Indicated or Measured Mineral Resource category.

- (4) The Mineral Resources were estimated using the Canadian Institute of Mining, Metallurgy and Petroleum (CIM), CIM Standards on Mineral Resources and Reserves, Definitions and Guidelines prepared by the CIM Standing Committee on Reserve Definitions and adopted by CIM Council December 11, 2005.
- (5) This estimate was prepared using an inverse distance interpolated block model and reported within an interpreted wireframe of the mineralized envelope at a 0.015opt Au (or 0.5 g/tonne Au) limit and excludes all blocks with a grade below 0.001 opt Au. The cutoff grade of 0.015 opt Au was selected as the basis on which the two Zones were modelled in the geological interpretation, and considered the parameters that would likely determine the economic viability of an open pit mining operation at Moss Lake. These included likely mine dilution, metallurgical recoveries, operating costs and a gold price of US\$900/oz (at an exchange rate of US\$1:C\$1.10),
- (6) The resource estimate extends to a depth of 870 feet which is deemed a practical cutoff to maintain reasonable stripping ratios in a surface mining operation.

Management of Moss Lake believes the pragmatic application of blasthole grade control techniques on a bench by bench basis offers potential to realize better grades in an eventual mining operation. Table 2 demonstrates the cut-off grade sensitivity of Moss Lake Mineral Resource estimates.

Table 2 - MOSS LAKE MINERAL RESOURCES CUTOFF GRADE SENSITIVITY

Cutoff Grade (opt)	Main Zone (million Tons)	Au (opt)	QES Zone (million Tons)	Au (opt)	Total (million Tons)	Au (opt)	Contained Au ('000 oz)
Indicated							
0.001	12.5	0.023	27.8	0.029	40.3	0.027	1,107
0.010	9.3	0.029	25.1	0.032	34.3	0.031	1,069
0.015	7.2	0.034	21.7	0.035	28.8	0.035	998
0.020	5.0	0.041	17.0	0.040	22.0	0.040	881
Inferred							
0.001	16.5	0.025	4.2	0.025	20.7	0.025	525
0.010	13.2	0.030	3.8	0.027	17.0	0.029	500
0.015	10.1	0.035	3.1	0.030	13.3	0.034	454
0.020	8.0	0.041	2.0	0.035	10.0	0.040	397

The Moss Lake deposit consists of the Main and QES zones (Figure 1). Fracture-controlled and disseminated pyrite mineralization are accompanied by sericite and hematite alteration hosted by a suite of intermediate to syenitic sills near the south contact of the Moss Lake Syenite Stock. Gold grade distribution, host rocks and alteration patterns evoke an Archean Porphyry Model.

The mineralized material extends for 8,500 feet of strikelength and remains open at depth. The resource estimate is restricted to a depth of 870 feet from surface.

A 1,000 foot long gap exists between the Main and QES zone defined by limited previous drilling. This area offers potential to increase resources with further rigorous drilling.

The updated resource estimate includes 15 drill holes completed in 2008 in order to validate historical data and refine the resource models. This work updates a previous report completed in 2006 (www.sedar.com - Technical Report, November 27, 2006, Moss Lake Gold Mines Ltd.).

The independent "Qualified Persons" for the 43-101 compliant Mineral Resource Estimate are Richard W. Risto, P.Geol and Kurt Breede, P.Eng. of Watts, Griffis and McOuat Limited. This

press release was prepared by George Mannard, P.Geo, “Qualified Person” and President of Moss Lake in consultation with the aforementioned independent “Qualified Persons”.

Moss Lake Gold Mines Ltd. is a 56% owned subsidiary of Wesdome Gold Mines Ltd. (WDO-TSX). It trades on the TSX-Venture Exchange under the symbol “MOK” and has 45.2 million shares issued and outstanding.

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Figure 1: Moss Lake Deposit

