

Loncor Resources Inc.

PRESS RELEASE

LONCOR ISSUES UPDATE OF ITS BAS CONGO EXPLORATION PROGRAM

Toronto, Canada – August 18, 2009 - Loncor Resources Inc. (the “Company”) (TSX-V: LN) is pleased to report that, further to its May 19, 2009 press release, the Company commenced in July 2009 Phase II of its recommended gold exploration program at its exploration permit areas in Bas Congo province in the Democratic Republic of Congo (the “DRC”). The properties are located approximately 250 kilometres southwest of the capital city of Kinshasa and approximately 100 kilometres north of the town of Matadi on the Congo River.

A total of 417 soil/saprolite samples and 12 rock samples have been collected on the Block B target containing a local topographic elevation which appears to be the source of a number of gold bearing streams.

Samples were obtained along four \approx 400 metre lines, positioned 80 metres apart, with a sample spacing of \approx 8 metres. The lines were oriented in a northeast to southwest direction in order to cut across the regional structural fabric of the area. Soil samples were obtained at approximately 0.4 meters depth, with one or more saprolite samples also being obtained at 1 metre intervals. Average pit depth was 1.1 meters, with the deepest pit being 3.5 meters.

The Block B target area is dominated by phyllites and sericite schists belonging to the Neoproterozoic West Congo Belt. These metamorphosed sediments are intruded by quartz veinlets, veins and stockworks of unknown age and in places contain trace amounts of pyrite.

The Block B target was identified as the most promising of three target blocks surveyed by the Company during its 2006 orientation pitting program at its Bas Congo permit areas and yielded a maximum gold value of 1.96 ppm. A sample spacing of 50 metres was used for the 2006 orientation survey, with samples obtained along two 700 metre lines spaced 300 metres apart.

The samples collected in the recent Phase II survey have been dispatched to the SGS Laboratory facilities in Mwanza, Tanzania for gold analysis by fire assay.

Results are pending.

Additional information with respect to the Bas Congo properties is contained in the technical report prepared by the Company’s consulting geologists, Venmyn Rand (Pty) Limited of Johannesburg, South Africa, which report is dated January 31, 2008 and entitled "National Instrument 43-101 Technical Report on the Properties held by Loncor Resources Congo SPRL in the Bas Congo Province of the Democratic Republic of Congo". A copy of this report may be obtained from SEDAR at www.sedar.com.

Qualified Person

Mr. Fabrice G. Matheys, who is a consultant to the Company, is the "qualified person" (as such term is defined in National Instrument 43-101) responsible for the technical information in this press release.

Loncor Resources Inc. is a gold and platinum exploration company focused on the DRC. Through its DRC subsidiary, the Company controls 47 exploration permits in North Kivu province, approximately 200 kilometres north of the provincial capital of Goma, and four exploration permits in Bas Congo province, approximately 250 kilometres southwest of the capital city of Kinshasa.

Forward-Looking Statements: This press release contains forward-looking statements. All statements, other than statements of historical fact, that address activities, events or developments that the Company believes, expects or anticipates will or may occur in the future (including, without limitation, statements relating to exploration results, potential mineralization and the Company's plans with respect to the exploration of its DRC properties) are forward-looking statements. These forward-looking statements reflect the current expectations or beliefs of the Company based on information currently available to the Company. Forward-looking statements are subject to a number of risks and uncertainties that may cause the actual results of the Company to differ materially from those discussed in the forward-looking statements, and even if such actual results are realized or substantially realized, there can be no assurance that they will have the expected consequences to, or effects on the Company. Factors that could cause actual results or events to differ materially from current expectations include, among other things, the possibility that future exploration results will not be consistent with the Company's expectations, uncertainties relating to the availability and costs of financing needed in the future, changes in equity markets, changes in commodity prices, foreign currency fluctuations, political developments in the DRC, changes to regulations affecting the Company's activities, delays in obtaining or failure to obtain required project approvals, the uncertainties involved in interpreting geological data and the other risks involved in the resource exploration business. Any forward-looking statement speaks only as of the date on which it is made and, except as may be required by applicable securities laws, the Company disclaims any intent or obligation to update any forward-looking statement, whether as a result of new information, future events or results or otherwise. Although the Company believes that the assumptions inherent in the forward-looking statements are reasonable, forward-looking statements are not guarantees of future performance and accordingly undue reliance should not be put on such statements due to the inherent uncertainty therein.

For further information, please visit our website at www.loncor.com or contact:

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