



EASTMAIN

NEWS RELEASE

TSX Symbol: ER

June 3, 2010

Eastmain Mine Property Drilling Update – Visible Gold in A-Zone

Eastmain Mines Inc., a wholly-owned subsidiary of **Eastmain Resources Inc. (TSX:ER)**, announces that 10 drill holes totaling 2,790 metres have been completed on the Eastmain Mine property, located in James Bay, Québec. Multiple grains of visible gold were observed in drill hole EM10-04 at 320 metres depth, within a six-metre-wide, chert-pyrrhotite-chalcopryrite-bearing interval from the A-Zone of the Eastmain Gold Deposit. This hole was designed to test the A Zone west of an historic hole (332002), drilled in 1988, which assayed 14.3 g/t Au (0.42 oz/ton) across 8.64 metres. Assays are pending.

The Eastmain Gold Mine is a copper-gold-silver, sulphide-rich deposit, consisting of three known zones, "A", "B" and "C". The A and B Zones have been traced for more than one kilometre in length and to a vertical depth of 400 metres. The deposit remains open at depth and along strike. Gold mineralization at the Eastmain Mine occurs within a siliceous, sulphide-bearing unit associated with komatiite and highly altered mafic volcanic rocks. This very distinctive geologic marker horizon has been traced for over 10 kilometres across the property.

The objectives of the current \$3-million program are to expand the lateral and depth extensions of both the A and B Zones within the deposit through drilling, and to search for other deposits on this 200 km² property. Surface exploration expected to begin in early July, will focus on identifying the structural controls of gold mineralization within the deposit.

Previous drilling in the lower levels of the A Zone included 17.7 g/t gold, 25.1 g/t silver and 0.61% copper across 4.8 metres in hole 83-4, while drilling at depth within the B Zone included 61.45 g/t gold across 8.95 metres in hole 88-45. To date, Eastmain has completed five holes in the A-Zone and an additional five holes testing regional targets elsewhere on the property.

All five holes recently drilled into the deposit area have intersected highly altered mine series rocks and mineralized intervals consistent with the A Zone series. Five regional drill holes completed this month each tested VTEM geophysical conductors outside the limits of the deposit. Current drill holes EM10-09 and EM10-10 have intersected highly altered rocks containing massive magnetite, pyrrhotite and minor chalcopryrite, thought prospective for gold. Placer Development discovered the Eastmain Gold Deposit while drill testing an airborne geophysical conductor in 1969.

Don Robinson, President and CEO of Eastmain stated, *"We are very impressed our initial drilling at the Eastmain Mine project. The first five holes of the program have intersected mine series rock, potentially extending the A Zone both laterally and vertically. Visible gold observed within wide intervals of highly altered and mineralized mine series rocks shows excellent promise for expansion of the known gold deposit at depth."*

Dr. Donald J. Robinson P. Geo, is the Qualified Person for the information contained in this press release and is a Qualified Person within the meaning of National Instrument 43-101.

About Eastmain Resources Inc. (TSX:ER)

Eastmain is a Canadian gold exploration company with 100% interest in the Eau Claire and Eastmain gold deposits. The Corporation has \$21 Million in working capital and holds an interest in 12 projects within the James Bay District, including the Éléonore South property. Eastmain has allocated a budget of \$7.5 million for gold exploration in Québec for 2010.

For further information please contact Eastmain Resources Inc.: Dr. Donald J. Robinson, President or Catherine Butella, Exploration Manager at (519) 940-4870, fax (519) 940-4871, by e-mail: info@eastmain.com or visit our website at www.eastmain.com.

The statements made in this Press Release may contain forward-looking statements that may involve a number of risks. Actual events or results could differ materially from the Company's expectations and projections.

Eastmain Mine Camp (April 2010)



Fuel Berm

Collar for A-2

Eastmain Mine – Drill Hole EM10-04 – A Zone

Creating value through discovery!



Visible Gold

EM10-04 320 m depth A Zone – chert-pyrrhotite-chalcopyrite