

# PRESS RELEASE

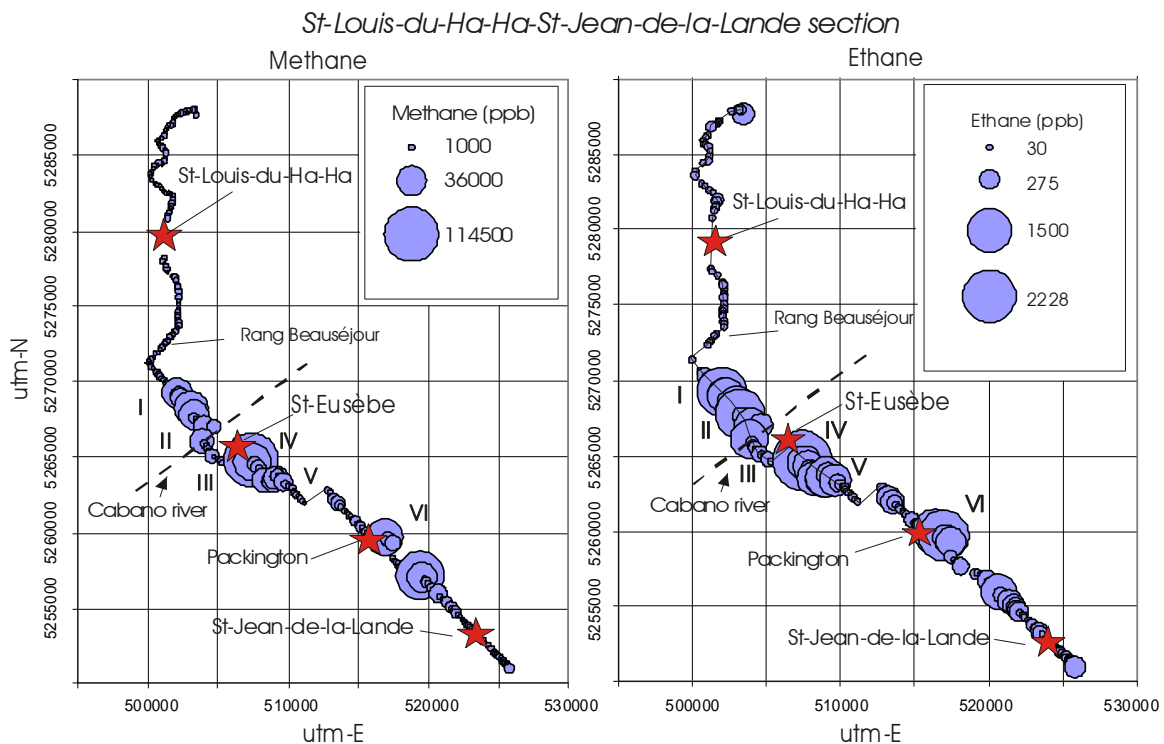
LES MINES J.A.G. LTÉE ("JML")  
TSX-DE CROISSANCE

## Témiscouata Property – Oil & Gas Property Another promising property

Montreal, January 6<sup>th</sup>, 2009 - J.A.G. Mines Ltd. – (JML) wishes to present a brief summary of its oil and natural gas exploration reports realized on the Témiscouata Property by a team led by Marc Richer-LaFlèche, Ph.D., geologist and researcher at the National Institute of Scientific Research (NISR). The recent report presents the exploration results and analysis conducted on the Témiscouata property between February 2008 and July 2008.

JAG holds nine oil and gas exploration permits in the Temiscouata area covering 193,587 hectares in Cambrian to Devonian sedimentary rock units. The Temiscouata Property is part of the Appalachian sedimentary basin and its hydrocarbon potential is unknown. In 2008, JAG has conducted on its Temiscouata Property a multidisciplinary reconnaissance geochemical soil survey including: (i) soil gas survey (C1-C4 natural gas component analysis), (ii) electrical conductivity and soil pH measurements, (iii) soil magnetic susceptibility measurements and (iv) radiometric (K, eTh, eU) measurements on soil samples. Such a multidisciplinary geochemical soil survey constitutes a useful hydrocarbon prospecting method. It may help detect soil gas microseeps and soil alteration anomalies overlying hydrocarbon deposits.

A relatively high number of soil gas anomalies (C1-C4) were observed. The most interesting areas are located nearby the towns of St-Eusèbe and Packington, west of Lake Temiscouata, and in the northern part of the Z.E.C. Owen on the eastern side of the Lake.



***Methane and ethane concentrations obtained in soil gas samples along the St-Louis-du-Ha-Ha-St-Jean-de-la-Lande section on JAG's Temiscouata Property.***

Near St-Eusèbe, ethane concentrations reach more than 1000 ppb in many soil gas samples. It is important to take note that the Scientific Literature reports that those values are considered highly anomalous, the highest result obtained so far being 2502 ppb, whereas the highest methane concentration is more than 114,000 ppb. Interesting values were also obtained near the town of Packington, where the highest ethane concentration is 1664 ppb and the highest methane concentration, 15 600 ppb. Many soil gas samples coming from the Sugarloaf area in the northern part of Z.E.C. Owen are also characterized by high ethane and methane contents which reach respectively up to 4651 ppb and 3,178,000 ppb. Furthermore, methane/ethane and methane/propane ratios obtained in many soil gas samples suggest the presence of thermogenic hydrocarbons in the underlying rocks. The results obtained so far are encouraging, but more detailed work will have to be done in order to determine the best target areas.

Given the success of this exploration campaign, Dr. LaFlèche suggests that geochemical surveys be done in areas, where anomalies, were identified in this report. More specifically, it is suggested that grids are established to allow to circumscribe the geometry and expansion of the anomalies of the surface areas. Thereafter, the anomalies hydrocarbon in the apical zones should be verified by electrical resistivity surveys and induced polarization at very high power. These surveys should help locate areas of high-strength corresponding to pockets of gas in the rock (reservoirs). The induced polarization will be useful to identify areas of polarization that are often formed above the underground oil reservoirs. Following these surveys, short lines of seismic reflection should be conducted to clarify the geometry of the drill targets.

JAG is pleased with the results obtained so far and very enthusiastic for the events to come.

This press release was prepared by JAG's management and reviewed by Dr. Marc Richer-LaFlèche, Ph. D., Geologist and Qualified Person.

-30-

The TSX Venture Exchange does not accept responsibility for adequacy or accuracy of this release.

***Pierre Gévry, president***

***e-mail: [st-jacques@qc.aira.com](mailto:st-jacques@qc.aira.com)***

***Tel :514-849-7336 Fax : 514-849-9260***

***Site web : [www.minesjag.com](http://www.minesjag.com)***