



For immediate release

April 22, 2008

Symbol: AZM.TSX Venture

Press Release

Azimut and Silver Spruce identify uranium targets on the Hudson Bay property in northern Quebec

Longueuil, Quebec – **Azimut Exploration Inc.** (“Azimut”) and its partner **Silver Spruce Resources Inc.** (“Silver Spruce”) have delineated uranium targets on the **Hudson Bay** property in northern Quebec. The targets are defined by uranium values of up to **1,950 ppm** in lake-bottom sediments, and by helicopter-borne radiometric survey results. A prospecting field program will start this summer to assess these targets.

The results of 293 lake-bottom sediment samples include 13 with values equal to or higher than 100 ppm U, including a maximum value of 1,950 ppm U. Three main kilometre-scale uranium anomalies have been delineated, one on each of the property’s claim blocks. These geochemical anomalies correlate well with the uranium anomalies detected by the helicopter-borne geophysical survey, which covered the entire property.

The Hudson Bay property consists of 537 claims in three separate blocks covering 253 km² of land just east of Hudson Bay and 15 to 40 km north of the village and airport of Umiujaq. Silver Spruce can acquire a 50% interest from Azimut by performing exploration programs over a 5-year period, and may acquire an additional 15% interest upon delivery of a bankable feasibility study (press release dated April 4, 2007).

The property is positioned along a major structural boundary at the transition zone between the Minto and Bienville geological subprovinces. The area is characterized by Archean intrusive rocks, as well as mafic and ultramafic units. Uranium values up to 1.31% U₃O₈ have been reported in a similar geological environment approximately 20 km to the south.

The lake-bottom sediment survey was conducted under the supervision of Réjean Girard, a geologist from IOS Services Géoscientifiques Inc. based in Saguenay, Quebec. The samples were analyzed by ICP-MS at Activation Laboratories in Ancaster, Ontario. Activation Laboratories is an ISO-IEC 17025 accredited laboratory. The helicopter-borne radiometric, magnetic and electromagnetic survey, which totalled 1,489 line-km at a line spacing of 200 m, was carried out in September 2007 by McPhar Geosurveys, based in Markham, Ontario.

This press release was prepared by geologist Jean-Marc Lulin, the company’s Qualified Person as defined by NI 43-101. Azimut is a mineral exploration company using cutting-edge targeting methodologies to discover major ore deposits.

Contact and information

Jean-Marc Lulin, President and CEO
Normand Champigny, Executive Vice President

Tel.: (450) 646-3015 – Fax: (450) 646-3045

info@azimut-exploration.com www.azimut-exploration.com