



Delta Uranium Confirms Alteration and Mineralogy at Wheeler River

January 19, 2010

TSX: DUR

Toronto, Ontario - **Delta Uranium Inc. (TSX: DUR)** ("**Delta**" or the "**Corporation**") announces the results of spectroscopic analysis of clay minerals in boulder samples collected in the fall of 2009 on its C5 and C6 properties in the Wheeler River area of the Athabasca Basin, Saskatchewan. The clay minerals, and other associated secondary minerals, confirm the existence of alteration systems that may be related to uranium mineralization at the unconformity

On the 1016-hectare C5 property, 253 samples were collected and analysed. Illite is the dominant mineral across most of the property, indicating that the whole area lies in an extensive alteration system. Dickite, which is the "unaltered" clay mineral that dominates throughout most of the Athabasca basin, is present only along the southeastern flank of the property. There is a trend running along the length of the property in which several samples are dominated by kaolinite, chlorite or dravite; these minerals tend to occur in the central parts of alteration systems. In addition, the trend is marked by a slight but well-defined increase in the total percentage of clay minerals, and coincides with a geochemical anomaly defined by analysis of the same samples (see January 7, 2010 news release). It also coincides with a conductor from a 2007 VTEM® airborne survey, and a quartzite ridge in basement rocks, that was recognized by Cameco during a previous drilling program when the property formed part of the Cameco-Denison Wheeler River project. The presence of a quartzite ridge in the basement is an important factor in localizing uranium mineralization at the McArthur River mine, 30 kilometres on strike to the northeast.

On the 161-hectare C6 property, 78 samples were collected. Again, illite dominates in the great majority of samples, with a few samples containing kaolinite and dravite. There is also an area of increased clay mineral content in the centre of the property.

Wayne Isaacs, Chairman and CEO of the Company states that, "We are very pleased with the confirmation of the existence of alteration systems and the likelihood of mineralization at the unconformity. We are further convinced that we may be looking at a similar mineralization as seen at the Phoenix discovery zone. Needless to say, we are eager to commence our winter exploration and I believe that with such continued consistency in positive results, we may be able to quickly advance our drilling program at the C5 and C6 properties."

The C5 and C6 properties adjoin the Wheeler River property of the Denison-Cameco-JCU joint venture, where drill hole WR-273 intersected 6 metres of 62.6% U₃O₈ in the Phoenix Zone; the most recent large uranium discovery in the Athabasca basin. It is significant that there is a quartzite ridge on the flank of the Phoenix Zone. The C6 disposition lies 4 kilometres north of the Phoenix Zone, and C5 lies 6 kilometres northeast of the discovery zone.

Delta is in the process of planning its winter program of ground and airborne geophysics, which is expected to lead to a spring diamond drilling program.

Delta Uranium has the option to earn an undivided 80% interest in the C3 disposition, and an undivided 75% interest in the C4, C5 and C6 dispositions from Solitaire Minerals Corp.

**Qualified Person**

Technical information in this news release has been prepared and/or revised by Colin Bowdidge, Ph.D., P.Geo. VP Exploration, Director and Qualified Person as defined in NI 43-101 for Delta.

For the purposes of providing information relating to the Wheeler River C3 Property, Delta is relying on information provided to it by Solitaire. All information pertaining to the Wheeler River C3 Property was derived from historical geological reports and does not presently conform to the standards as outlined in National Instrument 43-101 – Standards of Disclosure for Mineral Projects.

About Delta Uranium Inc.

Delta Uranium is TSX listed Canadian exploration company actively engaged in the acquisition, evaluation and exploration of uranium mineral properties in northeastern and northwestern Ontario, Athabasca Basin and Western Newfoundland, Canada.

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The TSX has not reviewed and does not accept responsibility for the adequacy of this news release.