



## Delta Uranium Confirms Additional Alteration Systems and Mineralogy at Wheeler River

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TSX: DUR

Toronto, Ontario - **Delta Uranium Inc. (TSX: DUR)** ("**Delta**" or the "**Company**") announces the results of spectroscopic analysis of clay minerals in boulder samples collected in the fall of 2009 on its C3 and C4 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 224-hectare C3 property 58 samples were collected and analysed. In the central part of the property, illite and kaolinite are the dominant clay minerals. These are the most common and most diagnostic alteration minerals associated with mineralization in the southeastern part of the Athabasca basin; they take the place of dickite, which is the clay mineral present in unaltered and unmineralized parts of the basin. There is also a cluster of samples containing dravite, another important and diagnostic alteration mineral. There is a slight increase in the total percentage of clay minerals in the same general area, which coincides with a flat-lying conductive zone interpreted from a 2007 VTEM® airborne survey. The conductive zone lies at or very close to the unconformity at the base of the Athabasca sandstone, which is 200 metres below surface in the area of the property.

On the 447-hectare C4 property, 82 samples were collected. The dominant clay mineral over the entire area is illite, suggesting that the property lies within a broad alteration system. In the north-central part of the property is a cluster of samples containing kaolinite and chlorite, which tend to occur in the inner parts of alteration systems. Dravite was also identified in a number of samples. In this anomalous area, the proportion of clay minerals in the sandstone is conspicuously higher, reaching a maximum of 15 percent.

In the south-central part of the property there is a second cluster of samples containing kaolinite and dravite, with a slightly elevated clay content. This cluster coincides with a boron anomaly defined by the geochemical analysis of the same samples (see news release of January 11, 2010), which runs in a northwest-southeast direction and roughly coincides with a possible cross-structure that can be interpreted from airborne magnetic survey data. The presence of cross structures is one of the most important geological features that control the localization of uranium mineralization in the Athabasca basin.

Wayne Isaacs, Chairman and CEO of the Company states that, "with these additional positive results from our C3 and C4 properties, our Wheeler River Project is now the principal focus of our winter exploration program. We now recognize that all of our projects in the Wheeler River area are favorably located within alteration systems as seen from the dominance of alteration minerals from our analyses. We are looking forward to commencing our drilling program".

The C3 property lies 10 kilometres north-northwest of the former producing Key Lake uranium mine. The C4 property adjoins the Wheeler River property of the Denison-Cameco-JCU joint venture, where drill hole WR-273 intersected 6 metres of 62.6% U<sub>3</sub>O<sub>8</sub> in the Phoenix Zone; the most recent large uranium discovery in the Athabasca basin.



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 a 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.*