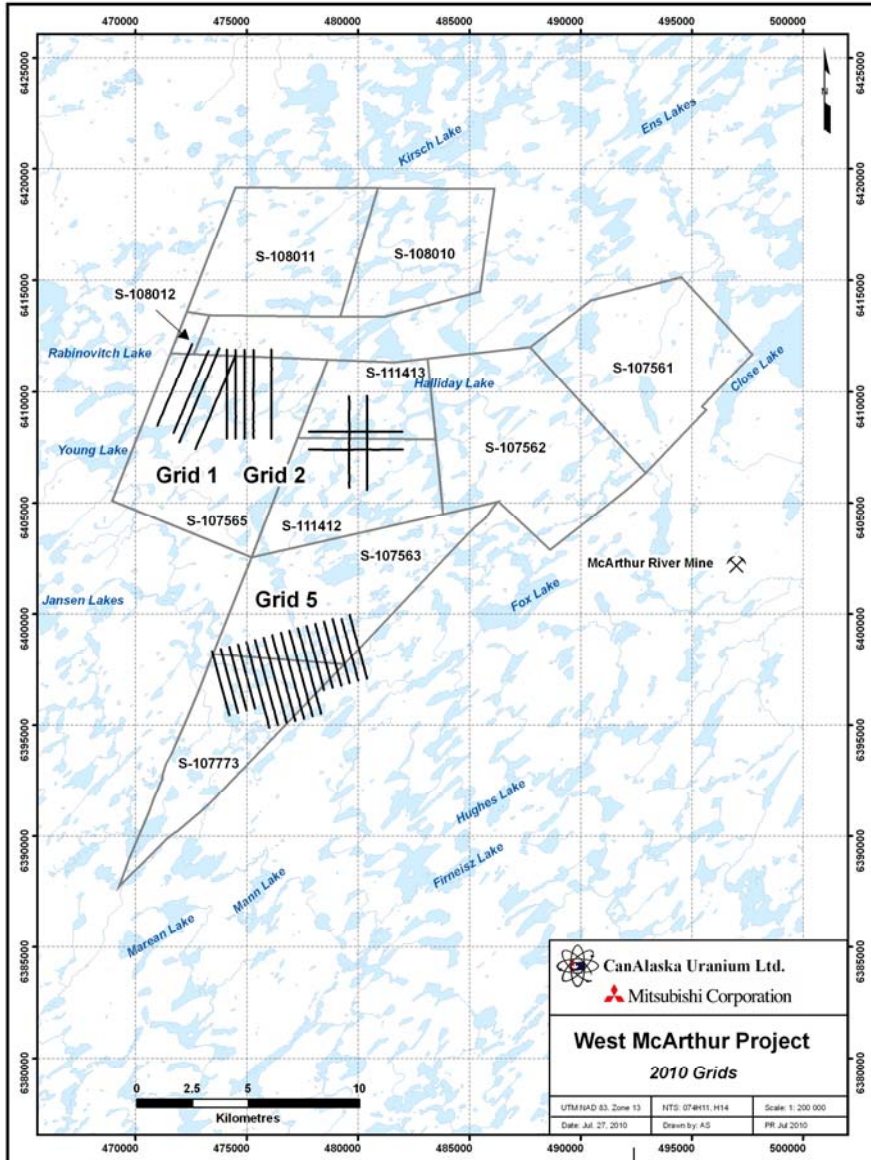


**FOR IMMEDIATE RELEASE**

**NEWS RELEASE**

## **CanAlaska Uranium Commences ZTEM Airborne Survey for West McArthur Project**



Vancouver, Canada, July 29<sup>th</sup>, 2010 – CanAlaska Uranium Ltd. (CVV – TSX.V) (the “Company” or “CanAlaska”) is pleased to report the commencement of a property-wide deep penetrating airborne ZTEM survey on the West McArthur Project, a 50/50 joint venture between the Company and MC Resources Canada Ltd., a subsidiary of Mitsubishi Corporation (“JV”). The survey will cover the majority of the property, including current drill targets at Grid 1 and Grid 2, as well as the developing target at Grid 5.

The JV initiated the survey after reviewing data available from a test survey across the Grid 1 area as well as survey data from other properties indicating the ability of the ZTEM system to resolve deep conductive targets better than existing VTEM or MEGATEM surveys.

President Peter Dasler commented, “We have been successful in

locating hydrothermally-altered zones within three Grids on the West McArthur Property, based on initial MegaTEM and, later, VTEM surveys. The aim of the JV partners is to systematically identify other similar targets and build exploration programs around them, but also to sequentially develop a new target zone each

year. In 2010, the JV concentrated on the Grid 1 target and encountered success in identifying uranium mineralization and basement offsets within the target area. Additional drilling is required to intercept the trend of the offsets. In the Grid 5 area, we were able to define during Winter 2010 exploration a zone of disruption within the main conductor and a strong resistivity anomaly in the same area, indicating a very good drill target for uranium mineralization. The ZTEM survey will provide us with additional information in this immediate area as well as look for additional similar targets for future exploration planning. Our aim is to systematically drill-test the best exploration targets during a five-year exploration plan in conjunction with our JV partner.”

Peter Dasler, M.Sc., P Geo. is the Qualified Person responsible for this news release.

### **About CanAlaska Uranium**

**CANALASKA URANIUM LTD. (CVV -- TSX.V, CVVUF -- OTCBB, DH7 -- Frankfurt)** is undertaking uranium exploration in twenty 100%-owned and three optioned uranium projects in Canada's Athabasca Basin -- the "Saudi Arabia of Uranium". Since September 2004, the Company has aggressively acquired one of the largest land positions in the region, comprising over 2,500,000 acres (10,117 sq. km or 3,906 sq. miles). To-date, CanAlaska has expended over Cdn\$65 million exploring its properties and has delineated multiple uranium targets.

For more information visit [www.canalaska.com](http://www.canalaska.com)

On behalf of the Board of Directors



Peter Dasler, M.Sc., P.Geo.  
President & CEO, CanAlaska Uranium Ltd.

**Contact:**

Emil Fung, Director & V.P. - Corp. Dev.

Tel: +1.604.688.3211 x318

Email: [info@canalaska.com](mailto:info@canalaska.com)

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