

## **NEWS RELEASE**

### **DARNLEY BAY RESOURCES UPDATES 2010 EXPLORATION AND DRILLING PLANS**

**Toronto, ON – February 23, 2010** – Darnley Bay Resources Limited (the “Company”) (TSX VENTURE: DBL) is pleased to outline its 2010 exploration plans for its properties in the Paulatuk NT area. It has completed permitting for airborne surveys to take place in March-April 2010.

Sander Geophysics Limited ([www.sgl.com](http://www.sgl.com)) is preparing to mobilize to Paulatuk for a 5,980 line-km airborne gravity and magnetic survey covering all of the Company’s properties where they encompass the Darnley Bay Gravity Anomaly. The purpose of the survey is to significantly improve the resolution of the previous ground gravity surveys over the Anomaly and to locate targets for drilling.

Geotech Ltd. ([www.geotechairborne.com](http://www.geotechairborne.com)) is preparing to mobilize to Paulatuk for a 2,600 line-km airborne VTEM time-domain electromagnetic and magnetic survey covering all of the eastern and northeastern portion of the Company’s properties, where previous sampling and airborne surveys indicate the presence of gabbro sills and dykes. The purpose of the survey is to identify conductors bearing sulphide mineralization as targets for drilling.

The Company has engaged Aurora Geosciences ([www.aurorageosciences.com](http://www.aurorageosciences.com)) to undertake any ground-based activities that may be required, including ground geophysics and sampling, and to manage the 2010 drill program. Through Aurora, Lou Covello has been appointed the Company’s Project Manager. Lou is a Consulting Geologist with more than 40 years of exploration experience. He is based in Yellowknife and has worked throughout Arctic Canada and Alaska for decades. He was the President of the NWT and Nunavut Chamber of Mines until November 2009, and remains a Director.

The Company has engaged Kavik-Axys ([www.kavik-axys.com](http://www.kavik-axys.com)) as its environmental consultant, to assist with permit applications and to provide guidance for operating in a responsible manner with respect to the environment and wildlife.

The Company is working closely with the Paulatuk community and the Inuvialuit Regional Corporation ([www.irc.inuvialuit.com](http://www.irc.inuvialuit.com)) to develop training programs and investment opportunities for Paulatuk residents, with the assistance of territorial and federal agencies, so as to maximize the local benefits from the Company’s activities.

Last week, Stephen Reford, Andrea Hansen (Kavik-Axys) and Gary Vivian (Aurora Geosciences) undertook a consultation with the Paulatuk Hunters and Trappers Committee, the Paulatuk Community Corporation and the Paulatuk Elders in preparation for environmental screening and permit applications for its 2010 drill program and related activities. In addition, Mr. Reford met with the Paulatuk Hamlet Office and numerous individuals to discuss employment opportunities, training, services and logistics.

Once the airborne surveys are completed in April 2010, drill targets will be located and prioritized. The Company is following the environmental screening process that applies to land-based activities within the Inuvialuit Settlement Region, with a view to obtaining the required permits in June 2010, and commencing the drill program soon thereafter.

The Company will be participating in the PDAC Convention. It will have a booth (#3020) in the Investors Exchange on March 9 and 10. Additional details are available at [www.darnleybay.com](http://www.darnleybay.com).

### **About Darnley Bay Resources Limited:**

The Company was formed in 1993 to explore and develop an area of geophysical significance in the Northwest Territories of Canada. Initial base metal exploration fortuitously resulted in the discovery of diamonds, indicating that the area is host to both metallic and non-metallic mineral deposit interests. The Company's objectives are to secure and maintain successful financing partnerships to continue exploration for base metals, gold and diamonds that will result in the development of a profitable mining venture.

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### **Forward-Looking Information**

*This release includes certain statements that may be deemed "forward-looking statements". All statements in this release, other than statements of historical facts, that address future production, reserve potential, exploration drilling, exploitation activities and events or developments that the Company expects are forward-looking statements. Although the Company believes the expectations expressed in such statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results or developments may differ materially from those in the statements. There are certain factors that could cause actual results to differ materially from those in forward-looking statements. These include market prices, exploitation and exploration successes, continued availability of capital and financing, and general economic, market or business conditions. Investors are cautioned that any such statements are not guarantees of future performance and actual results or developments may differ materially from those projected in the forward-looking statements. For more information on the Company, investors should review registered filings at [www.sedar.com](http://www.sedar.com).*

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