



PRESS RELEASE

DARNLEY BAY RESOURCES ISSUED PROSPECTING PERMITS, WINTER EXPLORATION PROGRAM IN PREPARATION

Toronto, ON – February 1, 2010 – Darnley Bay Resources Limited (“Darnley Bay” or the “Company”) (TSX VENTURE: DBL) is pleased to announce that it has been issued sixteen prospecting permits by the Mining Recorder’s Office in Yellowknife, Northwest Territories. These prospecting permits are located within the Inuvialuit 7(1)(b) lands south of Paulatuk NT and neighbouring Crown Lands. They cover an area of approximately 2,421 km² (598,300 acres). As a result, the Company now holds a total of 4,557 km² (1,126,100 acres), including its concession for 7(1)(a) lands (news release, 22/12/09) and older prospecting permits (news release, 02/02/09). In addition, the Company holds mineral claims on the Parry Peninsula northwest of Paulatuk. The location of the new permits is shown on a map posted on the company website at www.darnleybay.com. The Inuvialuit hold the surface rights for the 7(1)(b) lands, and the Crown holds the mineral rights.

There are two main objectives for acquiring the new permits:

1. They secure all remaining lands available for mineral exploration over the Darnley Bay gravity and magnetic anomaly.
2. They cover the region’s open areas of greatest diamond exploration potential from previous indicator mineral sampling carried out by the Company.

The Company has completed the environmental screening process and is awaiting the permits necessary to commence its winter exploration program. The program will consist of two geophysical surveys:

1. An airborne gravity survey over the core of the Darnley Bay gravity anomaly will significantly improve the resolution of the current gravity data and locate drill targets.
2. An airborne electromagnetic survey over the eastern portion of the Darnley Bay gravity anomaly will locate conductive material which will be assessed as drill targets for metals.

The Company has the option to infill with ground gravity to further improve resolution.

The Company has commenced the environmental permitting process for a 2010 drilling program on targets within the Darnley Bay anomaly and related ground activities.

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.

For more information, please contact:

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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.

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