

Northern Shield Announces Updates on the Wabassi Property, northern Ontario; New VTEM Anomaly Identified.

Ottawa (May 25, 2010) – Northern Shield Resources Inc. ("Northern Shield") (TSX-V: NRN) is pleased to provide an update on exploration on its Wabassi property in northern Ontario. On May 4, 2010 Northern Shield and its partner, Discovery Harbour Resources Corp., ("Discovery Harbour") announced the intersection of significant widths of zinc-silver mineralization during the initial phase (7 drill-holes) of drilling. The drill program, which was expanded from 10 holes/2300 meters to 13 holes/3100 meters, has now concluded and assays from the remaining 6 holes are expected within four weeks.

Based on the discovery of VMS-style mineralization at Wabassi, Northern Shield and Discovery Harbour have expanded the size of the Wabassi property by staking an additional 16 claims to bring the property to 41 claims covering an area of 98 square kilometers. The additional claims cover what Northern Shield and Discovery Harbour's management believe to be a continuation of the Wabassi intrusion, as suggested by interpretation of airborne magnetic data, as well as potential VMS targets.

A new airborne VTEM survey has been completed and covers the new Wabassi claims. Preliminary results confirm the continuation of a priority target from the 2008 survey that was located on the last line on the very edge of that survey block. Additionally, the survey identified the presence of a new target of very strong conductance with very similar geophysical (magnetic and electromagnetic) characteristics to the targets representing the mineralization confirmed during the 2010 drilling of select A-1 and A-2 targets (see press release, May 4, 2010).

A very high-resolution ground magnetic survey is also underway at the A1 and A2 zones (see press release dated May 4, 2010) where lines are being surveyed at 10 meter line spacing by ground magnetics and 100 meters by Max-Min EM. These new ground data will enhance the interpretation of the Pulse EM data, collected earlier this spring. Discovery Harbour is funding all exploration at Wabassi pursuant to the terms of its option agreement with Northern Shield.

"This area of Ontario has been relatively neglected when it comes to mineral exploration," says Northern Shield's President and CEO, Ian Bliss, "and that's part of what makes exploring here so exciting. The identification of yet another very strong VTEM anomaly in such a small surveyed area is further evidence of the potential for more mineralization to be found within the Wabassi area."

The drill program was overseen by Christine Vaillancourt, Chief Geologist for Northern Shield and a Qualified Person under National Instrument 43-101. The drilling was conducted by Morecore Diamond Drilling Ltd. of Kelowna, British Columbia. The airborne VTEM survey is being conducted by Geotech Ltd. Rock samples are being analysed by ALS Chemex laboratories in Vancouver, B.C. for Au, Pt, and Pd by Fire Assay with ICP-AES finish and 27 further elements by four acid digestion and ICP-AES.

Northern Shield is an innovative, results-driven Canadian company focused on Platinum Group Element (PGE) exploration in Ontario and Quebec. Its mission is to create a successful mineral exploration company through technical excellence and efficient management, where success is measured by the identification and development of high-quality mineral exploration projects, which may ultimately be optioned, sold or developed for maximum return on investment. For further information on Northern Shield and its properties, please visit our website at www.northern-shield.com or contact:

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Forward-Looking Statements Advisory

This news release contains statements concerning exploration and drilling plans, potential for Ni-Cu-PGE and Zn-Ag mineralization at the Wabassi property and surrounding area, geological, geophysical and/or geometrical analyses of the Wabassi property and surrounding area, and other expectations, plans, goals, objectives, assumptions, information or statements about future events, conditions, results of exploration or performance that may constitute forward-looking statements or

information under applicable securities legislation. Such forward-looking statements or information are based on a number of assumptions which may prove to be incorrect.

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The forward-looking statements or information contained in this news release are made as of the date hereof and Northern Shield undertakes no obligation to update publicly or revise any forward-looking statements or information, whether as a result of new information, future events or otherwise, unless so required by applicable securities laws

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