

## **Northern Shield Resources Identifies PGE-Ni-Cu Mineralization on New Property in Western Ontario**

**Ottawa (September 4, 2009** – Northern Shield Resources Inc. ("Northern Shield") (TSX-V: NRN) is pleased to announce that it has identified significant PGE-Ni-Cu mineralization on a new property, known as Q-1, it has acquired, through staking, in western Ontario.

Northern Shield is in the process of conducting reconnaissance and due diligence on numerous potential PGE and Ni-Cu-PGE targets and occurrences in Ontario and Quebec as it awaits further results and exploration at Highbank Lake, Wabassi and Faint Hope. A grab sample collected during reconnaissance of one of these occurrences assayed 1.1 g/t Pt, 1.4 g/t Pd, 0.7% Cu and 0.1% Ni. The sample was collected from a coarse-grained pyroxenite dyke, sill or conduit. Follow-up sampling and mapping will commence next week. The property is located near the Quetico fault and within a few kilometers of a highway. The Quetico Fault has recently become important to PGE exploration as Magma Metals Ltd's. PGE discovery near Thunder Bay, Ontario is located along this fault zone. While Northern Shield continues to acquire and seek new PGE-Ni-Cu properties and is very encouraged by the initial results from the Q-1 property, it remains focused on its flagship Highbank Lake PGE project in northern Ontario.

Exploration was supervised by Christine Vaillancourt, a Qualified Person under National Instrument 43-101. Rock samples were 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 also pleased to announce it has engaged the consultancy services of geologist, Mr. Jacques Babineau, to assist the Company in acquiring new PGE projects. Mr. Babineau's 25 years experience in exploration and project generation for Esso Minerals and INCO and his knowledge of PGE and Ni-Cu-(PGE) environments applied to the definition of high potential targets will be of great value to Northern Shield's continuing acquisition of economically prospective grounds, specifically in Quebec.

Northern Shield is an innovative, results-driven Canadian company focused on Platinum Group Element (PGE) exploration in Ontario. 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](http://www.northern-shield.com) or contact:

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