

Northern Shield intersects 70 meters of Copper Mineralization at Wabassi, and up to 705 g/t silver

Ottawa (June 2, 2010) – Northern Shield Resources Inc. ("Northern Shield") (TSX-V: NRN) and its partner Discovery Harbour Resources Corp. ("Discovery Harbour") are pleased to announce that all assay results have been received from the last six holes of the expanded drill program at Northern Shield's Wabassi property in northern Ontario. The drill program is being funded under the terms of the option agreement between Northern Shield and Discovery Harbour under which Discovery Harbour has the option to earn a 51% interest in the Wabassi property (see press release dated March 17, 2010).

Drill-hole 10WA-10 targeting the A1 anomaly intersected 69.74 meters grading 0.15% Cu and 5.7 g/t Ag including a higher grade interval of 0.23% Cu, 0.1% Ni and 12.3 g/t Ag over 29 meters. Drill-hole 10WA-12 located 75 meters north of 10WA-10, encountered two mineralized zones. The upper zone contained 0.48% Cu and 35.6 g/t Ag over 22 meters including a higher grade interval of 1.14% Cu and 97.4 g/t Ag over 6.93 meters and the lower zone graded 0.86% Cu and 6.4 g/t Ag over 8.5 meters.

At the A2 anomaly, drill-hole 10WA-013 encountered a high of 705 g/t Ag and 1.8% Cu over 0.6 meters which was contained within a 33 meter intersection averaging 32 g/t Ag, 0.18 g/t Au, 0.43% Cu and 0.55% Zn including a higher grade section 0.82% Cu, 30.5g/t Ag and 0.44 g/t Au over 8.9 meters.

Significant assay results include:

Drill Hole	From (m)	To (m)	Interval (m)*	Ag (silver)	Cu (copper)	Ni (nickel)
10WA-10	75.26	145.00	69.74	5.7 g/t	0.15%	0.04%
<i>Including</i>	116.00	145.00	29.00	12.3 g/t	0.23%	0.10%
<i>Including</i>	122.00	135.00	13.00	22.0 g/t	0.31%	0.07%

Drill Hole	From (m)	To (m)	Interval (m)*	Ag	Cu
10WA-12	126.00	148.00	22.00	35.6 g/t	0.48%
<i>Including</i>	137.07	144.00	6.93	97.4 g/t	1.14%
10WA-12	171.40	179.90	8.50	6.4 g/t	0.86%

Drill Hole	From (m)	To (m)	Interval (m)*	Ag	Au (gold)	Cu	Zn (zinc)
10WA-13	53.40	86.40	33.00	32.0 g/t	0.18 g/t	0.43%	0.55%
<i>Including</i>	57.80	66.70	8.90	30.5 g/t	0.44 g/t	0.82%	0.15%

**All intervals composed of multiple samples are weighted averages. Intervals given are the length of core intersection and may not represent true widths.*

Ten of the thirteen holes from the initial drill program at Wabassi targeted the A1 and A2 VTEM anomalies. Drilling to date has identified volcanic rocks and volcanogenic massive sulphide (VMS) zinc-copper-silver-(gold) mineralization at the A2 target immediately adjacent to the contact with the Wabassi Intrusive Complex. The A1 target predominantly consists of mafic and ultramafic lithologies (including troctolite, olivine gabbro norite and peridotite) belonging to the Wabassi Intrusive Complex which hosts pyrrhotite-dominated massive, semi-massive and net-textured sulphides with a chemical signature suggesting that it may be a hybrid mixing of VMS and magmatic (nickel-copper) systems.

“The unexpected discovery of VMS adds another dimension to the Wabassi project. Not only do we have significant zinc-copper-silver mineralization, but also in order to create Ni-Cu-(PGE) mineralization within a mafic-ultramafic intrusion one needs to assimilate sulphur, from the country rock, into the magma before it solidifies. Hence, it is not unusual to see VMS and Ni-Cu-(PGE) mineralization in close proximity to one another. We clearly see that the Wabassi Intrusive Complex has intruded into a volcanic belt with plenty of sulphides,” say Northern Shield’s president and CEO, Ian Bliss. “It is not dissimilar to what happened in the Ring of Fire; everyone was originally looking for copper-zinc VMS mineralization there when they stumbled across nickel; here we were looking for nickel-copper and PGEs when we hit copper-zinc.”

Preliminary interpretation of the ground geophysics suggests the A1 target is composed of multiple conductive bodies of which only a portion have been tested. Similarly, the ground geophysics at the A2 target suggests that it may extend over an additional two survey lines and maintains its high priority mag-EM signature. This anomaly and, the A3 target have not yet been drilled tested. A recently completed VTEM survey over the extension of the Wabassi property has identified at least two more convincing VTEM anomalies.

Interpretation of the first phase of exploration at Wabassi is on-going as planning for the second phase has commenced.

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. 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:

Northern Shield Resources Inc.

Ian Bliss

President and CEO

Tel.: (613) 232-0459

Fax: (613) 232-0760

info@northern-shield.com

Forward-Looking Statements Advisory

This news release contains statements concerning the drilling plans, results and potential for Ni-Cu-PGE and Zn-Cu-Ag-Au mineralization at the Wabassi property, geological, geophysical and/or geometrical analyses of the Wabassi property, 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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