

# **North American Nickel Inc.: Surface Deep Electromagnetic and Gravity Geophysical Surveys Awarded to Crone Geophysics at Maniitsoq; Work to Begin Mid-April**

March 19, 2014 (Source: Marketwired) – **North American Nickel Inc. (TSX VENTURE:NAN)(OTCBB:WSCR)(CUSIP:65704T 108)** (the “Company”) is pleased to announce Crone Geophysics of Mississauga, Ontario has been awarded Electromagnetic and Gravity surveys, scheduled to start in mid-April at the Company’s 100% owned Maniitsoq nickel-copper-cobalt-PGM project in southwest Greenland.

Both the surface time-domain EM survey and the gravity survey at Maniitsoq will be performed by Crone Geophysics & Exploration Ltd ([www.cronegeophysics.com](http://www.cronegeophysics.com)). Crone specializes in the manufacture of high-quality time-domain EM equipment, specifically the Crone Pulse EM system (PEM), and also provides well-trained crews to safely and efficiently perform surveys with the PEM system and other third-party geophysical equipment.

The PEM system operates by placing a large loop of insulated wire on the ground through which a precisely-controlled changing current induces magnetic responses from conductors hundreds of metres deep in the ground. It can be used to detect and discriminate between a wide range of conductivities from poor (zinc), to excellent (copper and nickel). Due to its unique transmitted current waveform and its receiver’s measuring system, Crone has developed a step-response

transformation of the data which extends this range of detection and discrimination into the extremely high conductance that is seen in nickel exploration. This feature has made the Crone PEM system an important part of the exploration efforts in nickel exploration camps around the world, such as the Raglan camp, Voisey's Bay, Sudbury, Alaska, Tanzania, Western Australia, and now Greenland.

The deep penetration power of the Crone PEM system is also impressive; It was a Crone PEM system that discovered the Lalor Lake deposit 800 metres below surface in 2007, the largest base metal deposit discovered in Canada in decades. Crone has a well-deserved reputation of building rugged, reliable, and portable equipment, capable of working through extremes of temperature and humidity while still having unmatched accuracy and low noise.

In addition to the Pulse EM survey, Crone will carry out a gravity survey with a 2 person crew consisting of a gravity operator and a GPS operator with extensive experience in precision gravity surveys. The equipment consists of LaCoste & Romberg model G gravity meters with a reading resolution of 0.01 mGal. The differential GPS (DGPS) system is the Leica – model 1230 Dual Frequency, Dual Constellation (GPS & GLONASS) RTK, rover and Base Station with an accuracy of 1 cm + 1 ppm in separation from the base station to the rover. The crew has extensive worldwide experience and is capable of reducing the data to bouguer mGal values nightly in the field. Gravity surveys measure extremely small variations in the Earth's gravitational field, which can be used to locate high density material such as nickel sulphide-bearing rock.

#### *About North American Nickel*

North American Nickel is a mineral exploration company with 100% owned properties in Manitsoq, Greenland, Sudbury, Ontario, and the Thompson, Manitoba nickel belt. VMS Ventures Inc. (TSX VENTURE:VMS) owns approximately 23.9% of NAN.

The Maniitsoq property in Greenland is a Camp scale project comprising 3,601 square km covering numerous high-grade nickel-copper sulphide occurrences associated with norite and other mafic-ultramafic intrusions of the Greenland Norite Belt (GNB). The >75km-long belt is situated along, and near, the southwest coast of Greenland, which is pack ice free year round.

The Post Creek/Halcyon property in Sudbury is strategically located adjacent to the past producing Podolsky copper-nickel-platinum group metal deposit of KGHM International Ltd. The property lies along the extension of the Whistle Offset dyke structure. Such geological structures host major Ni-Cu-PGM deposits and producing mines within the Sudbury Camp.

Statements about the Company's future expectations and all other statements in this press release other than historical facts are "forward looking statements" within the meaning of Section 27A of the *Securities Act of 1933*, Section 21E of the *Securities Exchange Act of 1934* and as that term defined in the *Private Litigation Reform Act of 1995*. The Company intends that such forward-looking statements be subject to the safe harbours created thereby. Since these statements involve risks and uncertainties and are subject to change at any time, the Company's actual results may differ materially from the expected results.

ON BEHALF OF THE BOARD OF DIRECTORS

Mark Fedikow, President

North American Nickel Inc.

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