

North American Nickel Inc.
Form 6-K
January 10, 2011

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

FORM 6-K

**REPORT OF FOREIGN PRIVATE ISSUER
PURSUANT TO RULE 13a-16 OR 15d-16
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

January 10, 2011

Commission File Number: 000-14740

North American Nickel Inc.

(Translation of registrant's name into English)

British Columbia

(Jurisdiction of incorporation or organization)

Suite 301
260 West Esplanade,
North Vancouver, BC
Canada V7M 3G7

(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F: Form 20-F Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934: Yes No

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If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): n/a

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The attached Exhibit 99.1 was disseminated on January 10, 2011 to update shareholders regarding the discovery of high grade mineralization in outcrop at its flagship Sudbury property, Post Creek. It has been the focus of ongoing exploration since North American Nickel acquired the property. It is located along the Whistle Offset Structure; 1.5 km northeast of Quadra-FNX's producing Podolsky Mine.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

North American Nickel Inc.

Date: January 10, 2011

By: Douglas E. Ford

Name: Douglas E. Ford

Title: Secretary

EXHIBIT INDEX

Exhibit No.	Description
99.1	January 10, 2011 News Release
