

Northgate Minerals CORP  
Form 6-K  
September 09, 2011

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**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**

For the month of **September, 2011**

Commission File Number: **001-06138**

**Northgate Minerals Corporation**

*(Translation of registrant's name into English)*

**815 Hornby Street, Suite 406**

**Vancouver, British Columbia**

**Canada V6Z 2E6**

*(Address of principal executive offices)*

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

[        ] Form 20-F [ x ] 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 by furnishing the information contained in this Form, the registrant is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes [        ] No [ x ]

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82-  
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**SUBMITTED HEREWITH**

Exhibits

99.1 Technical Report

99.2 Certificate of Qualified Person - Kenneth W. Major

99.3 Consent of Qualified Person - Kenneth W. Major

99.4 Certificate of Qualified Person - Frederick Carl Edmunds

99.5 Consent of Qualified Person - Frederick Carl Edmunds

99.6 Certificate of Qualified Person - Michael J. Thomas

99.7 Consent of Qualified Person - Michael J. Thomas

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**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.

**NORTHGATE MINERALS CORPORATION**  
(Registrant)

Date: September 08, 2011

By: /s/ Matthew Howorth

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Matthew Howorth

Title: Vice President, General Counsel and Corporate Secretary

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