

Northgate Minerals CORP  
Form 6-K  
October 25, 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**

For the month of October 2011

Commission File Number: 001-06138

**Northgate Minerals Corporation**

(Translation of registrant's name into English)

815 Hornby Street, Suite 406

Vancouver, British Columbia

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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  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

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

**EXHIBIT LIST**

<b>Exhibit</b>	<b>Description</b>
99.1	Report on voting results with respect to a special meeting of shareholders of Northgate Minerals Corporation held on October 24, 2011

**SIGNATURE**

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.

Date: October 25, 2011

**NORTHGATE MINERALS CORPORATION**

By: */s/ Matthew J. Howorth*

Name: Matthew J. Howorth

Title: Vice President, General Counsel and

Corporate Secretary