

FNX MINING CO INC  
Form 6-K  
May 25, 2006

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SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

**FORM 6-K**

**Report of Foreign Private Issuer  
Pursuant to Rule 13a-16 or 15d-16 of  
the Securities Exchange Act of 1934**

For the month of May 2006

Commission File Number 001-31704

**FNX MINING COMPANY INC.**

(Registrant's name)

**55 University Avenue**

**Suite 700**

**Toronto, Ontario**

**M5J 2H7 Canada**

(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-

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**Documents Included as Part of this Report**

<u>No</u>	<u>Description</u>
1.	<u>FNX Announces Resource Estimate for Podolsky</u>

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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.

FNX MINING COMPANY INC.

Date: May 25, 2006

By: /s/ Ronald P. Gagel

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Ronald P. Gagel  
Vice President and CFO