

Jaguar Mining Inc  
Form 6-K  
April 16, 2010

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FORM 6-K

SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

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

For the month of April 2010  
Commission File Number 001-33548

JAGUAR MINING INC.

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125 North State Street  
Concord, New Hampshire 03301  
(603) 224-4800

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(Address of principal executive offices.)

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 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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EXHIBIT INDEX

| Exhibit<br>Number | Description of Exhibit  |
|-------------------|---|
| 99.1              | News Release dated April 15, 2010 - Jaguar Mining Provides Q1 2010 Update of Operations |

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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.

JAGUAR MINING INC.

Date: April 15, 2010

By: /s/ Robert J. Lloyd  
Name: Robert J. Lloyd  
Title: Corporate Secretary