

Brigus Gold Corp.  
Form 6-K  
September 29, 2010

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, 2010.

Commission File Number 001-31593

BRIGUS GOLD CORP.

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(Translation of registrant's name into English)

Purdy's Wharf Tower II  
Suite 2001, 20th Floor  
1969 Upper Water Street  
Halifax, Nova Scotia  
B3J 3R7, Canada

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(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

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

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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 hereunto duly authorized.

Date: September 29, 2010

BRIGUS GOLD CORP.

By: /s/ Melvyn Williams  
Melvyn Williams  
Chief Financial Officer and Senior  
Vice President – Finance and  
Corporate Development

EXHIBIT INDEX

| Exhibit<br>No. | Description of Exhibit                                      |
|----------------|---|
| 99.1           | Press Release of Brigus Gold Corp. dated September 28, 2010 |

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