

PLATINUM GROUP METALS LTD  
Form SC 13G/A  
February 08, 2010

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

SCHEDULE 13G  
(Rule 13d-102)

Information Statement Pursuant to Rules 13d-1 and 13d-2  
Under the Securities Exchange Act of 1934  
(Amendment No. 5)\*

Platinum Group Metals Ltd.  
(Name of Issuer)

Common Shares, no par value  
(Title of Class of Securities)

72765Q205  
(CUSIP Number)

December 31, 2009  
(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this schedule is filed:

- Rule 13d-1(b)  
 Rule 13d-1(c)  
 Rule 13d-1(d)

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\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be filed for the purpose of Section 18 of the Securities Exchange Act of 1934 ( Act ) or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).



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CUSIP NO. 72765Q205

1)	Name of Reporting Person	Geologic Resource Partners LLC	
	S.S. or I.R.S. Identification No. of Above Person		
2)	Check the Appropriate Box	(a)	<input type="radio"/>
	if a Member of a Group	(b)	<input checked="" type="checkbox"/>
3)	SEC Use Only		
4)	Citizenship or Place of Organization	Delaware	
	Number of Shares Beneficially Owned by Each Reporting Person	5)	Sole Voting Power
			-0-
		6)	Shared Voting Power
			9,325,590* Shares
		7)	Sole Dispositive Power
			-0-
		8)	Shared Dispositive Power
			9,325,590* Shares
9)	Aggregate Amount Beneficially Owned by Each Reporting Person	9,325,590* Shares	
10)	Check if the Aggregate Amount in Row (9) Excludes Certain Shares	<input type="radio"/>	
11)	Percent of Class Represented by Amount in Row (9)	9.93%**	
12)	Type of Reporting Person	CO	

\* Includes 1,125,000 shares issuable upon the exercise of warrants ( Exercisable Warrants ).

\*\* Percentage is calculated using as the numerator, the number of Common Shares held by the Reporting Person plus the Exercisable Warrants, and as the denominator, 92,815,667 shares of Common Shares plus the Exercisable Warrants.

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1)	Name of Reporting Person	George R. Ireland	
	S.S. or I.R.S. Identification No. of Above Person		
2)	Check the Appropriate Box	(a) <input type="radio"/>	
	if a Member of a Group	(b) <input checked="" type="checkbox"/>	
3)	SEC Use Only		
4)	Citizenship or Place of Organization	United States of America	
	Number of Shares Beneficially Owned by Each Reporting Person	5) Sole Voting Power	-0-
		6) Shared Voting Power	9,325,590* Shares
		7) Sole Dispositive Power	-0-
		8) Shared Dispositive Power	9,325,590* Shares
9)	Aggregate Amount Beneficially Owned by Each Reporting Person	9,055,590* Shares	
10)	Check if the Aggregate Amount in Row (9) Excludes Certain Shares	<input type="radio"/>	
11)	Percent of Class Represented by Amount in Row (9)	9.93%**	
12)	Type of Reporting Person	IN	

\* Includes 1,125,000 shares issuable upon the exercise of warrants ( Exercisable Warrants ).

\*\* Percentage is calculated using as the numerator, the number of Common Shares held by Reporting Person plus the Exercisable Warrants, and as the denominator, 92,815,667 shares of Common Shares plus the Exercisable Warrants.

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CUSIP NO. 72765Q205

Item 1(a). Name of Issuer

The name of the issuer to which this filing on Schedule 13G/A relates is Platinum Group Metals Ltd. (the Company ).

Item 1(b). Address of Issuer's Principal Executive Offices

The principal executive offices of the Company are located at Bentall Tower 5, Suite 328, 550 Burrard Street, Vancouver British Columbia, Canada, V6C 2B5.

Item 2(a). Name of Person Filing

Geologic Resource Partners LLC ( GRP )

George R. Ireland

Item 2(b). Address of Principal Business Office or, if none, Residence

The principal business address of each of GRP and Mr. Ireland is 535 Boylston Street, Boston, MA 02116.

Item 2(c). Citizenship

GRP is organized in Delaware. Mr. Ireland is a citizen of the United States of America.

Item 2(d). Title of Class of Securities

The class of equity securities of the Company to which this filing on Schedule 13G/A relates is Common Shares ( Common Shares ).

Item 2(e). CUSIP Number

The CUSIP number of the Company's Common Shares is 72765Q205.

Item 3. If this statement is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a: Not applicable.

- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
  - (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 73c).
  - (c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
  - (d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
  - (e)  An investment adviser in accordance with §13d-1(b)(1)(ii)(E).
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- (f) o An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F).
- (g) o A parent holding company or control person in accordance with §240.13d-1(b)(1)(ii)(G).
- (h) o A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813).
- (i) o A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3).
- (j) o Group, in accordance with §240.13d-1(b)(1)(ii)(J).

X If this statement is filed pursuant to §240.13d-1(c), check this box.

Item 4. Ownership

Item 4(a). Amount beneficially owned

As of the close of business on December 31, 2009 each of GRP and Mr. Ireland owned 9,325,590 shares of Common Shares of the Company (which includes 1,125,000 shares of Common Shares issuable upon the exercise of warrants).

Item 4(b). Percent of Class

As of the close of business on December 31, 2009, each of GRP and Mr. Ireland owned 9.93% of the Common Shares outstanding of the Company. The aggregate percentage of Common Shares owned by GRP and Mr. Ireland is based upon 92,815,667 shares of Common Shares outstanding, which is the total number of shares of Common Shares outstanding as of August 31, 2009, based on representations made in the Company's Form 40-F filed with the Securities and Exchange Commission on December 1, 2009.

Item 4(c). Number of shares as to which such person has:

- (i) sole power to vote or to direct the vote: zero
- (ii) shared power to vote or to direct the vote:

GRP	9,325,590
Mr. Ireland	9,325,590

- (iii) sole power to dispose or to direct the disposition of: zero
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- (iv) shared power to dispose or to direct the disposition of:
- |             |           |
|-------------|-----------|
| GRP         | 9,325,590 |
| Mr. Ireland | 9,325,590 |

Item 5. Ownership of Five Percent or Less of a Class

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following o.

Item 6. Ownership of More than Five Percent on Behalf of Another Person

Not Applicable.

Item 7. Identification and Classification of the Subsidiary which Acquired the Security Being Reported on by the Parent Holding Company:

Not Applicable.

Item 8. Identification and Classification of Members of the Group

Not Applicable.

Item 9. Notice of Dissolution of Group

Not Applicable.

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Item 10. Certification

By signing below, the undersigned certifies that, to the best of its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: February 1, 2010

GEOLOGIC RESOURCE PARTNERS LLC

By:

Name: George R. Ireland

Title: Managing Member

GEORGE R. IRELAND

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Exhibit A

AGREEMENT REGARDING THE JOINT FILING OF SCHEDULE 13G/A

The undersigned hereby agree as follows:

- (1) Each of them is individually eligible to use the Schedule 13G/A to which this Exhibit is attached, and such Schedule 13G/A is filed on behalf of each of them; and
- (2) Each of them is responsible for the timely filing of such Schedule 13G/A and any amendments thereto, and for the completeness and accuracy of such information concerning such person contained therein; but none of them is responsible for the completeness or accuracy of the information concerning the other persons making this filing, unless such person knows or has reason to believe that such information is inaccurate.

Dated: February 1, 2010

GEOLOGIC RESOURCE PARTNERS LLC

By:

Name: George R. Ireland

Title: Managing Member

GEORGE R. IRELAND