

# IAMGOLD CORP

## FORM 6-K (Report of Foreign Issuer)

Filed 8/31/2006 For Period Ending 8/31/2006

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Industry	Gold & Silver
Sector	Basic Materials
Fiscal Year	12/31

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# FORM 6-K

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

## Report of Foreign Private Issuer

Pursuant to Rule 13a-16 or 15d-16  
of the Securities Exchange Act of 1934

Date: August 31, 2006  
Commission File Number 001-31528

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## IAMGold Corporation

(Translation of registrant's name into English)

220 Bay Street, 5 th Floor  
Toronto, Ontario M5J 2W4, Canada  
Tel: (416) 360-4710

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(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): \_\_\_\_

**Note:** Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

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): \_\_\_\_

**Note:** Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

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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## 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.

### IAMGOLD CORPORATION

Date: August 31, 2006

By: /s/ Larry E. Phillips

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Larry E. Phillips  
Vice-President, Corporate Affairs & Corporate Secretary

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**IAMGOLD**

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## **IAMGOLD UPDATES BUCKREEF PROJECT RESOURCES AND SECOND HALF EXPLORATION PLAN**

**Toronto, Ontario, August 31, 2006 - IAMGOLD Corporation** (“IAMGOLD” or “the Company”) is pleased to announce the updated resource estimate for the Buckreef Project located in the Victorian Goldfields Region of northern Tanzania, south of Lake Victoria. This update is a part of a thorough review by the Company of previous work completed at the Buckreef Project prior to the Gallery Gold acquisition closing.

The review has increased our geologic knowledge and identified new styles of mineralization as well as provided for greater understanding of geologic controls and the mineralization continuity. The update resulted in a 28% increase in the indicated resources category. The overall resource of 1.9 million ounces has remained unchanged as this increase is not based on additional drilling beyond March 2006.

“This update has expanded our knowledge and confidence in the continuity of this deposit,” commented Joseph Conway, President & CEO of IAMGOLD. “We now have an aggressive exploration program for the remainder of the year on this project, and plan to spend US\$4.2 million on over 40,000 meters of drilling with 4 drill rigs onsite, putting the activity level at Buckreef at its highest level ever. The objective of the next phase of our exploration plan is to significantly increase mineable ounces and expand the resource base while focusing on the completion of the feasibility study in the first half of 2007.”

The drill program for July to December on the Buckreef Project includes spending US\$4.2 million on exploration with 16,000 meters of aircore drilling, 23,800 meters of RC drilling and 1,350 meters of Diamond drilling. This round of drilling is focused primarily at testing extensions to the Busolwa-Buziba portion of the resource which remains open in all directions and includes geophysical targets to the north and east of the known resource.

The mineral resource estimate for Busolwa, Buziba and Buckreef was calculated by Hellman & Schofield Pty Limited, based in Perth, Australia.

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Details of the updated mineral resource are presented in Table 1 and in Figures 1 and 2.

Table 1  
Buckreef Project Mineral Resources\*

	Cut off grade g/t Au	MEASURED			INDICATED			INFERRED		
		Tonnes (000)	Gold Grade (g/t)	Contained oz ( 000)	Tonnes (000)	Gold Grade (g/t)	Contained oz (000)	Tonnes (000)	Gold Grade (g/t)	Contained oz (000)
Buckreef	0.8	3,349	2.7	285	2,556	2.2	177	5,886	2.2	411
Busolwa	1.0				3,767	1.8	217	3,441	2.1	230
Buziba	1.0				4,291	1.9	257	2,319	1.6	122
Other								1,572	5.0	250
<b>TOTAL</b>		<b>3,349</b>	<b>2.7</b>	<b>285</b>	<b>10,614</b>	<b>1.9</b>	<b>651</b>	<b>13,218</b>	<b>2.4</b>	<b>1,013</b>

\*NOTE: Mineral resources which are not mineral reserves do not have demonstrated economic viability.

#### Technical Information and Qualified Person/Quality Control Notes

The mineral resource estimates contained in this news have been prepared in accordance with National Instrument 43-101 *Standards of Disclosure for Mineral Projects* (“NI 43-101”).

The technical information in this news release, including the information that relates to geology, drilling, mineralization and mineral resource estimates on the Buckreef Project, is based on information prepared under the supervision of, or has been reviewed by Marcus Tomkinson, VP Exploration, geologist, Linton Putland, VP Project Development, and Kim Bischoff, Project Manager, geologist, all of whom are employed by IAMGOLD Corporation. All of the foregoing persons are “qualified persons” for the purposes of National Instrument 43-101 with respect to the mineralization being reported on. The “qualified person” responsible for the independent resource estimate for resources at Buckreef, Busolwa and Buziba was Nicolas Johnson of Hellman & Schofield Pty Limited. The technical information has been included herein with the consent and prior review of the above noted qualified persons. The qualified persons have verified the data disclosed, including sampling, analytical and test data underlying the information or opinions contained herein.

*This press release includes certain “Forward-Looking Statements” within the meaning of section 21E of the United States Securities Exchange Act of 1934, as amended. All statements, other than statements of historical fact, included herein, including without limitation, statements regarding potential mineralization and reserves, exploration results and future plans and objectives of IAMGOLD, are forward-looking statements that involve various risks and uncertainties. There can be no assurance that such statements will prove to be accurate and actual results and future events could differ materially from those anticipated in such statements. Important factors that could cause actual results to differ materially from IAMGOLD’s expectations are disclosed under the heading “Risk Factors” and elsewhere in IAMGOLD documents filed from time-to-time with the Toronto Stock Exchange, the United States Securities and Exchange Commission and other regulatory authorities.*

**For further information please contact :**

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Please note:

This entire press release may be accessed via fax, e-mail, IAMGOLD's website at [www.iamgold.com](http://www.iamgold.com) and through CCNMatthew's website at [www.ccnmatthews.com](http://www.ccnmatthews.com). All material information on IAMGOLD can be found at [www.sedar.com](http://www.sedar.com) or at [www.sec.gov](http://www.sec.gov).

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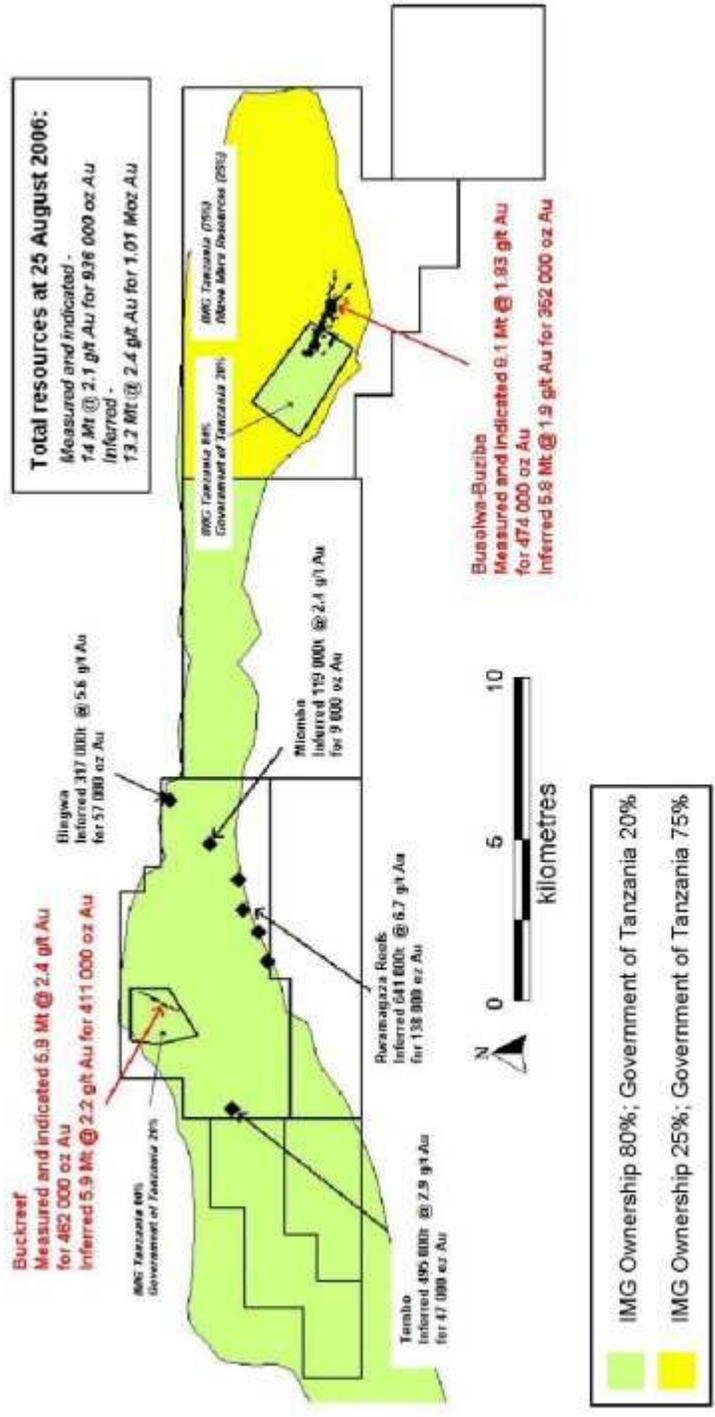


Figure 1: IAMGOLD Tanzania exploration licenses in the Rwamagaza Greenstone Belt showing resources for the Buckreef project as of 28 August 2006

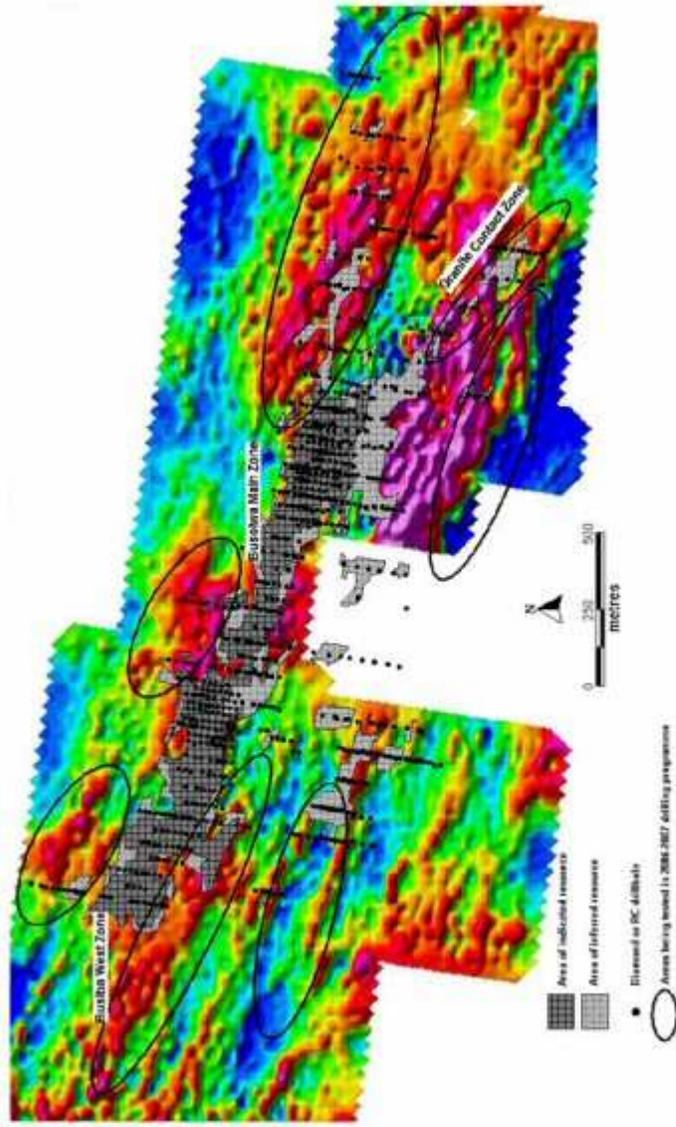


Figure 2: The Busolwa-Buziba Prospect showing outlines of indicated and inferred resources, RC and diamond drilling to date, and proposed areas being tested as part of the ongoing 2006-2007 exploration programme superimposed on resistivity data. Red colours represent the highest resistivity readings.