



ASX ANNOUNCEMENT

11 August 2008

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COMPLETION OF CSIRO/DME HODGKINSON BASIN JOINT RESEARCH PROJECT ON MINERALISATION MODELLING

KEY POINTS

- **Successful computer modelling of regional and local deposit scale mineralisation controls to provide the Company with an enhanced exploration tool**
- **A framework of mineralisation controls to assist location and definition of mineralisation deposits**
- **A number of prospective zones indicated for follow-up exploration**
- **Tools developed for further evaluation of Hodgkinson Basin regional potential**

The Board of Republic Gold Limited (“Republic” or the “Company”) today announces the successful completion of a joint research Project between the CSIRO, the Queensland Department of Mines and Energy Geological Survey and the Company utilising the CSIRO’s expertise in modelling mineralising systems. The Project has been successfully completed for the Hodgkinson Basin resulting in a computer modelling technique for predicting the location of mineral deposits. To-date the Company has been using conventional geological techniques in its efforts. The new modelling technique will greatly enhance the Company’s array of geological tools. The Company has large exploration holdings in the Hodgkinson Basin and will utilise the promising results of the Project to prioritise areas for evaluation and increase its efficiency of exploration to locate and define mineral deposits.

The Project utilised existing information on geology and mineralisation to produce computer models which simulate the formation of known mineral deposits. This phase then provides tools for predicting where other deposits may occur, greatly assisting the regional exploration of large regions, such as the Hodgkinson Basin where the Company is the dominant tenement holder.

The modelling incorporates structural and stress regimes and then models the mineralising fluid’s preferred pathways and traps on a regional basis. This is also useful at the deposit scale, to assist in evaluating the localised potential for economic resources. The Company is pleased with the success of this study and is setting up to evaluate the many targets indicated from this work in this field season. The Company also expects that this approach may well be applicable in other areas of its exploration portfolio.

Yours faithfully

John Kelly
Managing Director
Republic Gold Limited

JORC Code Compliance Statement

Information in this report that relates to Exploration Results is based on information compiled by Mr Chris Roberts who is a member of the Australasian Institute of Mining and Metallurgy. Mr Roberts is the Chief Geologist of the Company and has a minimum of five years experience relevant to the style of mineralisation and type of deposit under consideration and to the activity undertaken to qualify as Competent Persons as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Roberts consents to the inclusion in this report of the matters based on information provided by them and in the form and context in which it appears.

**For more information, please contact: Tony Nagy on 0413 645 126
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Republic Gold Limited

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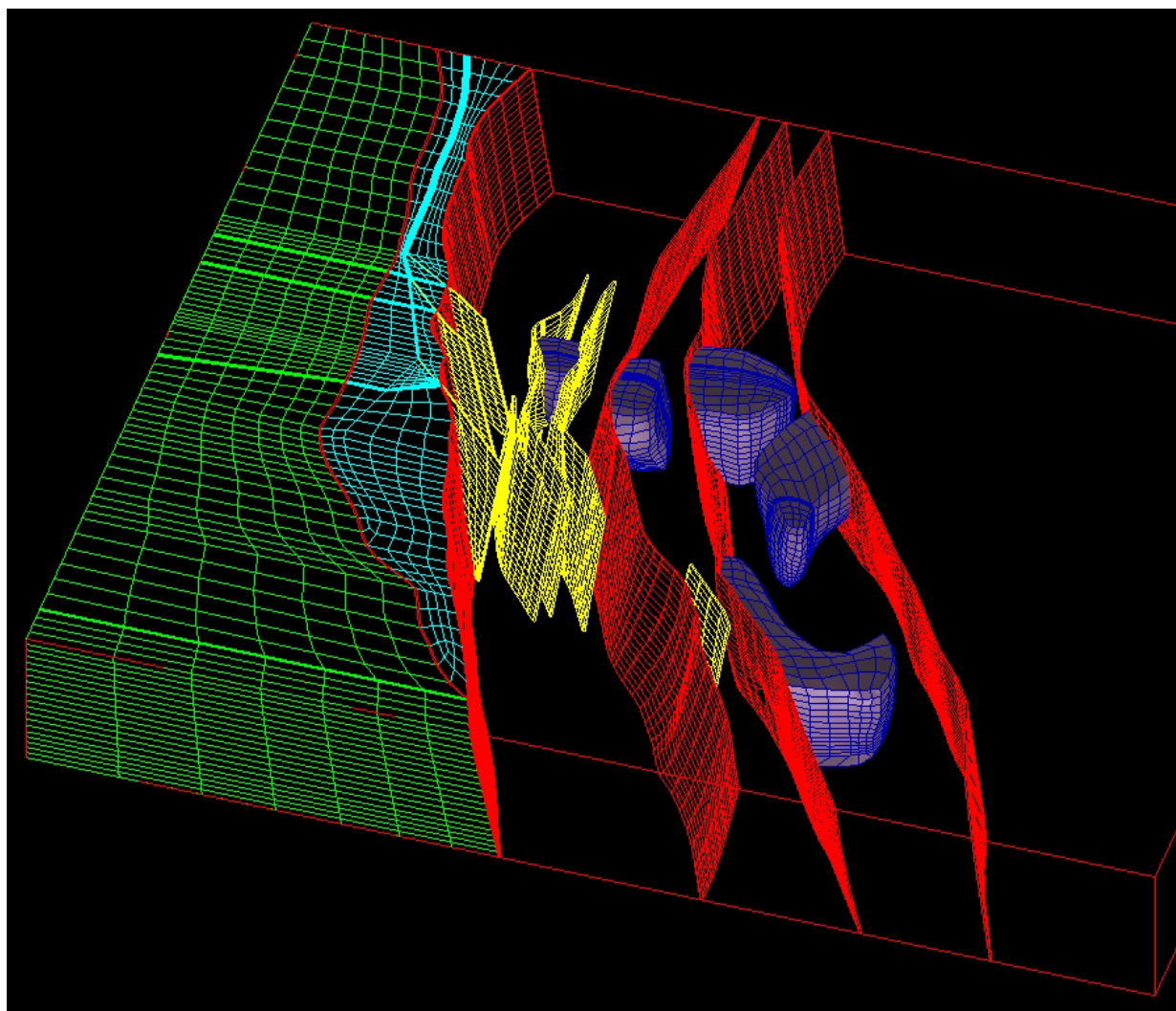
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Computer Modelling of Structural Framework to Simulate Mineralisation Fluid Flows