

Ore Deposit Models

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Articles



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Introduction

The idea for a series of papers on ore deposits models was suggested by the very successful sedimentary facies model presentations recently concluded in Geoscience Canada and now published as a reprint volume edited by R. G. Walker.

Ore deposit models owe their current popularity to the assistance they give in the understanding of and in the search for orebodies. For exploration geologists they are important aids and the development of such models should be of interest to all geologists.

The purpose of this series is to present descriptions of models currently in use, comment on how they are used and to speculate on their further development and application. Rigorous definition of the models is not intended for they are really working hypothesis subject to continual modification and improvement.

In this issue of Geoscience Canada the first of the series, the porphyry copper model, is presented. This will be followed by papers on U, clastic hosted Pb-Zn and conglomerate Gold, models currently in preparation, and by others as suitable authors are recruited. Ultimately we would hope to cover the spectrum of ore deposit types and produce a set of concise handy references relating to current exploration practice.

Feedback from readers is expected and encouraged, for, like politics, models generate a wide range of opinion.