

Accepted Manuscript

Integrated GIS-based modelling for the quantitative prediction of magmatic Ti-V-Fe deposits: A case study in the Panzhihua-Xichang area of southwest China

Yuan Cong, Qingji Dong, Leon Bagas, Keyan Xiao, Kun Wang

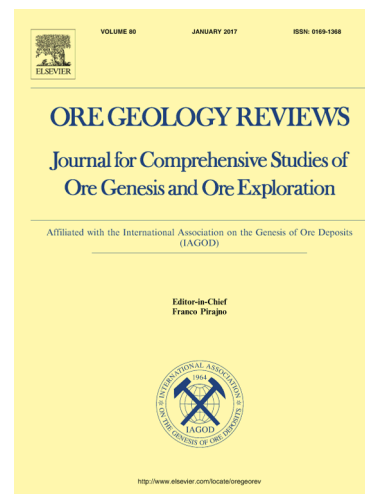
PII: S0169-1368(17)30050-1
DOI: <https://doi.org/10.1016/j.oregeorev.2017.09.016>
Reference: OREGEO 2350

To appear in: *Ore Geology Reviews*

Received Date: 19 January 2017
Revised Date: 18 September 2017
Accepted Date: 23 September 2017

Please cite this article as: Y. Cong, Q. Dong, L. Bagas, K. Xiao, K. Wang, Integrated GIS-based modelling for the quantitative prediction of magmatic Ti-V-Fe deposits: A case study in the Panzhihua-Xichang area of southwest China, *Ore Geology Reviews* (2017), doi: <https://doi.org/10.1016/j.oregeorev.2017.09.016>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Integrated GIS-based modelling for the quantitative prediction of magmatic Ti-V-Fe deposits: A case study in the Panzhihua-Xichang area of southwest China

Yuan Cong¹, Qingji Dong^{2,*}, Leon Bagas^{1,3,*}, Keyan Xiao¹, Kun Wang¹

1. MLR Laboratory of Metallogeny and Mineral Resource Assessment, Institute of Mineral Resources, Chinese Academy of Geological Sciences, Beijing, 100037, China.

2. China Geological Survey, CGS, Beijing 100037, China.

3. Centre for Exploration Targeting, ARC Centre of Excellence for Core to Crust Fluid Systems, The University of Western Australia, 35 Stirling Highway, Crawley, WA 6009, Australia.

Abstract

The estimation of undiscovered mineral resources is an important part in the potential value of a mineral field and its long-term use. This manuscript documents six procedures for estimating the volume of potential mineral resources in an area that is based on integrated geological information forming part of a metallogenic model.

The technique for this methodology includes: (1) the development a metallogenic

*Corresponding author: Qingji Dong, China Geological Survey, Beijing 100037, China. E-mail addresses: dqj78@sina.com (Qingji Dong); MLR Laboratory of Metallogeny and Mineral Resource Assessment, Institute of Mineral Resources, Chinese Academy of Geological Sciences, Beijing, 100037, China. Leon.Bagas@uwa.edu.au (Leon Bagas).

Download English Version:

<https://daneshyari.com/en/article/8910084>

Download Persian Version:

<https://daneshyari.com/article/8910084>

[Daneshyari.com](https://daneshyari.com)