

# Accepted Manuscript

Characterization of the hydrothermal alteration and ore zones of The Rio Vermelho Prospect: A new iocg mineralization in The Carajás province

Ezequiel Pozocco, José Carlos Frantz, Juliana Charão Marques



PII: S0895-9811(18)30031-2

DOI: [10.1016/j.jsames.2018.09.001](https://doi.org/10.1016/j.jsames.2018.09.001)

Reference: SAMES 1998

To appear in: *Journal of South American Earth Sciences*

Received Date: 24 January 2018

Revised Date: 6 September 2018

Accepted Date: 7 September 2018

Please cite this article as: Pozocco, E., Frantz, José.Carlos., Marques, Juliana.Charã., Characterization of the hydrothermal alteration and ore zones of The Rio Vermelho Prospect: A new iocg mineralization in The Carajás province, *Journal of South American Earth Sciences* (2018), doi: 10.1016/j.jsames.2018.09.001.

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.

# CHARACTERIZATION OF THE HYDROTHERMAL ALTERATION AND ORE ZONES OF THE RIO VERMELHO PROSPECT: A NEW IOCG MINERALIZATION IN THE CARAJÁS PROVINCE

Ezequiel Pozocco <sup>a,b</sup>, José Carlos Frantz <sup>c</sup>, Juliana Charão Marques <sup>c</sup>

- a. Programa de Pós-graduação em Geociências, Universidade Federal do Rio Grande do Sul, Avenida Bento Gonçalves 9500, Porto Alegre, 91501-970, RS, Brazil.
- b. Codelco do Brasil Mineração LTDA, Rio de Janeiro, RJ, Brazil
- c. Instituto de Geociências, Universidade Federal do Rio Grande do Sul; Avenida Bento Gonçalves 9500, 91501-970, Porto Alegre, RS, Brazil

\* Corresponding author: e-mail [geoezequiel@yahoo.com.br](mailto:geoezequiel@yahoo.com.br). Address: Estrada João de Oliveira Remião, nº 1761, casa 10, Porto Alegre, 91550-000, RS, Brazil

## HIGHLIGHTS

- New IOCG mineralization characterized in the eastern border of the Carajás Province;
- Copper mineralization associated to iron oxides;
- Chlorite generation in two phases: pre- and syn-mineralization;
- Shallow IOCG dominated by hematite;

## ABSTRACT

The Rio Vermelho prospect is located in the eastern sector of the Carajás Mineral Province, near to the contact with the metasediments of the Araguaia Fold Belt. The mineralization is located in a horse splay zone of the Carajás Fault, near to the Cristalino IOCG deposit. The ore is hosted by Archean deformed granitoids affected by

Download English Version:

<https://daneshyari.com/en/article/10119920>

Download Persian Version:

<https://daneshyari.com/article/10119920>

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