

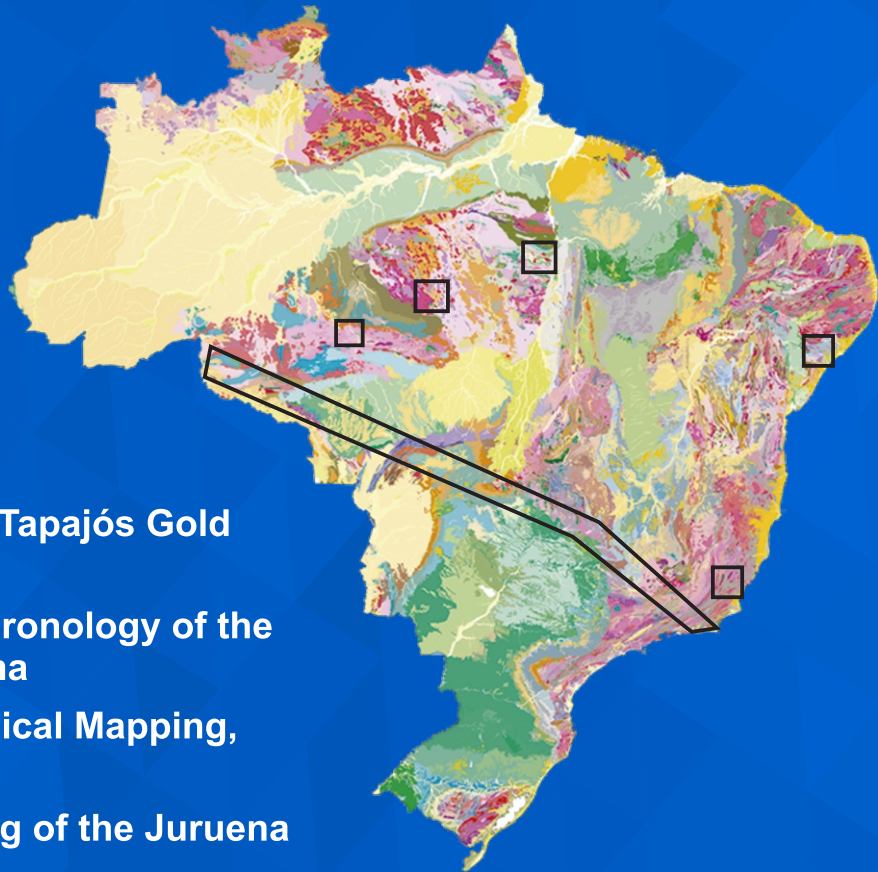


Journal of the Geological Survey of Brazil

VOLUME 2 (1) – APRIL 2019

Contents

- p. 11 - 16 - Geology of the SE-Tapajós Gold Province
- p. 17- 25 - Geology and geochronology of the Macururé Complex, Borborema
- p. 26 - 36 - Predictive Lithological Mapping, Cinzento Lineament, Carajás
- p. 37 - 73 - Geodynamic setting of the Juruena magmatic arc
- p. 75 - 86 - Modeling of flood susceptibility maps, Espírito Santo, Brazil
- p. 87 - 98 - Geophysical reassessment of the Azimuth 125° Lineament





Journal of the Geological Survey of Brazil

Table of Contents

Reassessment of the geology of the southeastern Tapajós Gold Province, Amazonian Craton, Brazil, based on field, petrographic, and airborne geophysical data <i>Stella Bijos Guimarães, Evandro L. Klein, Raphael Teixeira Correa</i>	1-16
The Macururé Complex (Sergipano Belt, NE Brazil) in southern Alagoas state: Geology and geochronology <i>Sergio P. Neves, José Maurício Rangel da Silva, Olivier Bruguier</i>	17-25
Predictive lithological mapping through machine learning methods: a case study in the Cinzento Lineament, Carajás Province, Brazil <i>Iago Sousa Lima Costa, Felipe Mattos Tavares, Junny Kyley Mastop de Oliveira</i>	26-36
A review of the geodynamic setting of the Volcanic Domain in the Juruena Magmatic Arc, southwestern Amazon Craton, Brazil, based on geochemical, U-Pb and Sm-Nd data <i>Tiago B. Duarte, Roberto P. Xavier, Joseneusa B. Rodrigues</i>	37-73
Using relief patterns and quartile deviation for modeling of flood susceptibility maps: examples from Presidente Kennedy and Conceição do Castelo, Espírito Santo, Brazil <i>Raimundo Almir Costa da Conceição, Patrícia Mara Lage Simões, Marcelo Eduardo Dantas</i>	75-86
Geophysical reassessment of the Azimuth 125° Lineament: emplacement model and propagation of its dikes <i>Loiane Gomes de Moraes Rocha, Raphael Teixeira Correa, Adolfo Barbosa da Silva, Débora Rabelo Matos</i>	87-98



Journal of the Geological Survey of Brazil

Published on line at: jgsb.cprm.gov.br
ISSN: 2595-1939
DOI: <https://doi.org/10.29396>
DOI of this edition:
<https://doi.org/10.29396/jgsb.2019.v2.n1>

Contact:
Editor-in-Chief
SBN, Q. 2, Bloco H, 1° andar
Edifício Central Brasília
Brasília - DF - Brazil
CEP: 70040-904
Phone: +55 61 2108.8400
e-mail: editor_jgsb@cprm.gov.br

EDITORIAL BOARD

Editor-in-Chief

Evandro Luiz Klein, *CPRM – Geological Survey of Brazil, Brasília, Brazil*

Associate Editors

Adalene Moreira Silva, *UnB – Universidade de Brasília, Brazil*

Carlos Alberto Spier, *University of Queensland, Brisbane, Australia*

Cassio Roberto da Silva, *CPRM – Geological Survey of Brazil, Rio de Janeiro, Brazil*

Chris Harris, *UCT – University of Cape Town, South Africa*

David Lopes de Castro, *UFRN – Universidade Federal do Rio Grande do Norte, Natal, Brazil*

Fabricio de Andrade Caxito, *UFMG – Universidade Federal de Minas Gerais, Belo Horizonte, Brazil*

Jean Michel Lafon, *UFPA – Universidade Federal do Pará, Belém, Brazil*

Katia Leite Mansur, *UFRJ – Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil*

Lena Virgínia Soares Monteiro, *USP – Universidade de São Paulo, Brazil*

Luciano Soares da Cunha, *UnB – Universidade de Brasília, Brazil*

Luiz Carlos da Silva, *CPRM – Independent Consultant, Belo Horizonte, Brazil*

Sandra Fernandes da Silva, *CPRM – Geological Survey of Brazil, Belo Horizonte, Brazil*

Steffen Hagemann, *UWA – University of Western Australia, Perth, Australia*

Advisory Board

Ana Maria Dreher, *CPRM – Independent Consultant, Rio de Janeiro, Brazil*

Daniel Medeiros Moreira, *CPRM – Geological Survey of Brazil, Rio de Janeiro, Brazil*

Leda Maria Barreto Fraga, *CPRM – Geological Survey of Brazil, Rio de Janeiro, Brazil*

Lucia Travassos da Rosa Costa, *CPRM – Geological Survey of Brazil, Belém, Brazil*

Luiz Gustavo Rodrigues Pinto, *CPRM - Geological Survey of Brazil, São Paulo, Brazil*

Marcelo Eduardo Dantas, *CPRM – Geological Survey of Brazil, Rio de Janeiro, Brazil*

Marcelo Esteves Almeida, *CPRM – Geological Survey of Brazil, Rio de Janeiro, Brazil*

Marta Vasconcelos Ottoni, *CPRM – Geological Survey of Brazil, Rio de Janeiro, Brazil*

Pedro Augusto dos Santos Pfaltzgraff, *CPRM – Geological Survey of Brazil, Rio de Janeiro, Brazil*

Rodrigo Rodrigues Adorno, *CPRM – Geological Survey of Brazil, Belo Horizonte, Brazil*

Sheila Gatinho Teixeira, *CPRM – Geological Survey of Brazil, Belém, Brazil*

Vladimir Cruz de Medeiros, *CPRM – Geological Survey of Brazil, Natal, Brazil*

