

# Accepted Manuscript

Geochemical characterization of the largest upland lake of the Brazilian Amazonia:  
Impact of provenance and processes

Prafulla Kumar Sahoo, José Tasso Felix Guimarães, Pedro Walfir Martins Souza-Filho, Marcio Sousa da Silva, Wilson Nascimento, Júnior, Mike A. Powell, Luiza Santos Reis, Luiz Carlos Ruiz Pessenda, Tarcísio Magevski Rodrigues, Delmo Fonseca da Silva, Vladimir Eliodoro Costa



PII: S0895-9811(17)30436-4

DOI: [10.1016/j.jsames.2017.10.016](https://doi.org/10.1016/j.jsames.2017.10.016)

Reference: SAMES 1818

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

Received Date: 29 July 2017

Revised Date: 24 October 2017

Accepted Date: 24 October 2017

Please cite this article as: Sahoo, P.K., Guimarães, José.Tasso.Felix., Souza-Filho, P.W.M., da Silva, M.S., Nascimento Júnior., W., Powell, M.A., Reis, L.S., Pessenda, L.C.R., Rodrigues, Tarcí.Magevski., da Silva, D.F., Costa, V.E., Geochemical characterization of the largest upland lake of the Brazilian Amazonia: Impact of provenance and processes, *Journal of South American Earth Sciences* (2017), doi: 10.1016/j.jsames.2017.10.016.

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.

1           **Geochemical characterization of the largest upland lake of the Brazilian**  
2           **Amazonia: impact of provenance and processes**

3     Prafulla Kumar Sahoo<sup>a\*</sup>, José Tasso Felix Guimarães<sup>a</sup>, Pedro Walfir Martins Souza-Filho<sup>a,b</sup>, Marcio  
4     Sousa da Silva<sup>a</sup>, Wilson Nascimento Júnior<sup>a</sup>, Mike A Powell<sup>c</sup>, Luiza Santos Reis<sup>d</sup>, Luiz Carlos Ruiz  
5     Pessenda<sup>d</sup>, Tarcísio Magevski Rodrigues<sup>e</sup>, Delmo Fonseca da Silva<sup>e</sup>, Vladimir Eliodoro Costa<sup>f</sup>

6     <sup>a</sup>Instituto Tecnológico Vale, Rua Boaventura da Silva 955, Nazaré 66055-090 Belém, Pará, Brasil

7     <sup>b</sup>Universidade Federal do Pará, Instituto de Geociências, Programa de Pós-graduação em Geologia e  
8     Geoquímica. Av. Augusto Correa 1. Guamá, 66075-110. Belém, Pará, Brazil.

9     <sup>c</sup>Independent Geologist & Pres., Geocon Environmental Consulting, London, ON, N6G3H9.

10    <sup>d</sup>Centro de Energia Nuclear na Agricultura, Laboratório C-14, Av. Centenário, 303, São Dimas, 13400-  
11    970, Piracicaba, São Paulo, Brazil

12    <sup>e</sup>Gerência de Meio Ambiente-Minas de Carajás, Departamento de Ferrosos Norte, Estrada Raymundo  
13    Mascarenhas, S/N Mina de N4, 68516-000, Parauapebas, Pará, Brazil

14    <sup>f</sup>Centro de Isótopos Estáveis, Instituto de Biociências, Universidade Estadual Paulista, Distrito de Rubião  
15    Junior s/n, 18618-970, Botucatu-SP, Brasil.

16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29    **Corresponding author\*:**

30    Dr. Prafulla Kumar Sahoo

31    Researcher

32    Instituto Tecnológico Vale, Belém, Brazil

33    Email: [prafulla.sahoo@itv.org](mailto:prafulla.sahoo@itv.org)

Download English Version:

<https://daneshyari.com/en/article/8907789>

Download Persian Version:

<https://daneshyari.com/article/8907789>

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