

Accepted Manuscript



The role of natural biogeochemical barriers in limiting metal loading to a stream affected by mine drainage

Giovanni De Giudici, Claudia Pusceddu, Daniela Medas, Carlo Meneghini, Alessandra Gianoncelli, Valentina Rimondi, Francesca Podda, Rosa Cidu, Pierfranco Lattanzi, Richard Wanty, Briant Kimball

PII: S0883-2927(16)30521-2

DOI: [10.1016/j.apgeochem.2016.11.020](https://doi.org/10.1016/j.apgeochem.2016.11.020)

Reference: AG 3762

To appear in: *Applied Geochemistry*

Received Date: 8 July 2016

Revised Date: 24 November 2016

Accepted Date: 25 November 2016

Please cite this article as: De Giudici, G., Pusceddu, C., Medas, D., Meneghini, C., Gianoncelli, A., Rimondi, V., Podda, F., Cidu, R., Lattanzi, P., Wanty, R., Kimball, B., The role of natural biogeochemical barriers in limiting metal loading to a stream affected by mine drainage, *Applied Geochemistry* (2016), doi: 10.1016/j.apgeochem.2016.11.020.

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 **The role of natural biogeochemical barriers in limiting metal loading to a stream**
2 **affected by mine drainage**

3 Giovanni De Giudici^{a,*}, Claudia Pusceddu^a, Daniela Medas^a, Carlo Meneghini^b, Alessandra
4 Gianoncelli^c, Valentina Rimondi^d, Francesca Podda^a, Rosa Cidu^a, Pierfranco Lattanzi^a, Richard
5 Wanty^e, Briant Kimball^f

6
7 ^aDepartment of Chemical and Geological Sciences, University of Cagliari, via Trentino 51, 09127,
8 Cagliari, Italy.

9 E-mail: De Giudici - gbgiudic@unica.it; Pusceddu - claudia.pusceddu@unica.it; Medas -
10 dmedas@unica.it; Podda - fpodda@unica.it; Cidu - cidur@unica.it; Lattanzi -
11 pierfrancolattanzi@gmail.com

12 ^b Department of Sciences, University of Roma Tre, 00146 Rome, Italy.

13 E-mail: meneghini@fis.uniroma3.it

14 ^c Elettra-Sincrotrone Trieste, Area Science Park, Basovizza, Trieste, Italy.

15 E-mail: alessandra.gianoncelli@elettra.eu

16 ^d IGG-CNR, Institute of Geosciences and Earth Resources, Via G. La Pira, 4, Firenze, Italy.

17 E-mail: valentina.rimondi@unifi.it

18 ^e U.S. Geological Survey, MS 964d Denver Federal Center, Denver, CO 80225.

19 E-mail: rwanty@usgs.gov

20 ^f U.S. Geological Survey, 2329 W Orton Circle, Salt Lake City, Utah, 84117, retired.

21 E-mail: bkim1554@gmail.com

22

23 *corresponding author: phone +390706757720; fax: +390702822236; e-mail gbgiudic@unica.it

24

Download English Version:

<https://daneshyari.com/en/article/5752623>

Download Persian Version:

<https://daneshyari.com/article/5752623>

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