Accepted Manuscript

River water infiltration enhances denitrification efficiency in riparian groundwater

Nico Trauth, Andreas Musolff, Kay Knöller, Ute S. Kaden, Toralf Keller, Ulrike Werban, Jan H. Fleckenstein

PII: S0043-1354(17)30986-7

DOI: 10.1016/j.watres.2017.11.058

Reference: WR 13388

To appear in: Water Research

Received Date: 7 June 2017

Revised Date: 23 November 2017 Accepted Date: 27 November 2017

Please cite this article as: Trauth, N., Musolff, A., Knöller, K., Kaden, U.S., Keller, T., Werban, U., Fleckenstein, J.H., River water infiltration enhances denitrification efficiency in riparian groundwater, *Water Research* (2017), doi: 10.1016/j.watres.2017.11.058.

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.



ACCEPTED MANUSCRIPT

River water infiltration enhances denitrification efficiency in riparian groundwater

1

2 Nico Trauth¹, Andreas Musolff¹, Kay Knöller², Ute S. Kaden³, Toralf Keller¹, Ulrike Werban⁴, Jan H. 3 Fleckenstein¹ 4 5 6 ¹Helmholtz Center for Environmental Research – UFZ, Department of Hydrogeology, Permoserstraße 7 15, 04318 Leipzig, Germany 8 ²Helmholtz Center for Environmental Research – UFZ, Department of Catchment Hydrology, 9 Theodor-Lieser-Straße 4, 06120 Halle (Salle), Germany ³Helmholtz Center for Environmental Research – UFZ, Department of Conservation Biology, 10 Permoserstraße 15, 04318 Leipzig, Germany 11 ⁴Helmholtz Center for Environmental Research – UFZ, Department of Monitoring and Exploration 12 Technologies, Permoserstraße 15, 04318 Leipzig, Germany 13 14 15 Corresponding author: Nico Trauth, Helmholtz Center for Environmental Research – UFZ, 16 Department of Hydrogeology, Permoserstraße 15, Leipzig, Germany, nico.trauth@ufz.de 17 18 19 20

Download English Version:

https://daneshyari.com/en/article/8874554

Download Persian Version:

https://daneshyari.com/article/8874554

<u>Daneshyari.com</u>