Accepted Manuscript

Research papers

Using stable isotopes to assess surface water source dynamics and hydrological connectivity in a high-latitude wetland and permafrost influenced landscape

P. Ala-aho, C. Soulsby, O.S. Pokrovsky, S.N. Kirpotin, J. Karlsson, S. Serikova, S.N. Vorobyev, R.M. Manasypov, S. Loiko, D. Tetzlaff

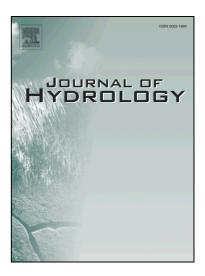
PII: S0022-1694(17)30787-4

DOI: https://doi.org/10.1016/j.jhydrol.2017.11.024

Reference: HYDROL 22382

To appear in: *Journal of Hydrology*

Received Date: 19 May 2017
Revised Date: 2 October 2017
Accepted Date: 13 November 2017



Please cite this article as: Ala-aho, P., Soulsby, C., Pokrovsky, O.S., Kirpotin, S.N., Karlsson, J., Serikova, S., Vorobyev, S.N., Manasypov, R.M., Loiko, S., Tetzlaff, D., Using stable isotopes to assess surface water source dynamics and hydrological connectivity in a high-latitude wetland and permafrost influenced landscape, *Journal of Hydrology* (2017), doi: https://doi.org/10.1016/j.jhydrol.2017.11.024

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

Using stable isotopes to assess surface water source dynamics and hydrological connectivity in a high-latitude wetland and permafrost influenced landscape

P. Ala-aho¹, C. Soulsby¹, O. S. Pokrovsky^{2,3}, S. N. Kirpotin⁴, J. Karlsson⁵, S. Serikova⁵, S. N. Vorobyev⁴, R. M. Manasypov⁴, S. Loiko⁴, D. Tetzlaff¹

¹Northern Rivers Institute, School of Geosciences, University of Aberdeen, UK

²GET UMR 5563 CNRS, University of Toulouse, France

³N. Laverov Federal Center for Integrated Arctic Research, Russian Academy of Science, Russia

⁴BIO-GEO-CLIM Laboratory, Tomsk State University, Russia

⁵Department of Ecology and Environmental Science, Umeå University, Sweden

Corresponding author: Pertti Ala-aho (pertti.ala-aho@abdn.ac.uk)

Address: School of Geosciences, University of Aberdeen, Elphinstone Road, Aberdeen, AB24 3UF

Tel: +44 (0)1224 272566

Download English Version:

https://daneshyari.com/en/article/8895124

Download Persian Version:

https://daneshyari.com/article/8895124

<u>Daneshyari.com</u>