

CORRECTION

# Correction to: Headwater Mires Constitute a Major Source of Nitrogen (N) to Surface Waters in the Boreal Landscape

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**CORRECTION TO: ECOSYSTEMS**

**DOI: 10.1007/s10021-017-0133-0**

The authors discovered an error in the discharge calculation for the mire outlet stream (MC4) that led to an underestimation of nitrogen (N) export from this catchment. This error has no influence on the overall message or conclusions of the paper but does suggest even greater relative N losses from the mire-dominated catchment. Accordingly, our estimates of dissolved organic N (DON) export from MC4 for 2009–2011 should have been reported as 1.4, 1.2, and 1.5 kg N ha<sup>-1</sup> y<sup>-1</sup> (average = 1.4 kg N ha<sup>-1</sup> y<sup>-1</sup>). Estimates of dissolved inorganic N (DIN) export for the

same years were 0.18, 0.18, and 0.19 kg N ha<sup>-1</sup> y<sup>-1</sup> (average = 0.18 kg N ha<sup>-1</sup> y<sup>-1</sup>). If we assume that N export from this site was derived solely from the MC4 mire, then average losses of DON and DIN would be 3.1 and 0.41 kg N ha<sup>-1</sup> y<sup>-1</sup>, respectively, for 2009–2011. If we assume that forests contributed N in proportion to their cover in the catchment, then the average export of DON and DIN from the MC4 mire would be 2.7 and 0.36 kg N ha<sup>-1</sup> y<sup>-1</sup>, respectively, for 2009–2011. Finally, the corrected discharge data resulting in subtle changes to the daily export estimates for MC4 illustrated in Figure 3, which is updated here.

published online 5 February 2018

The original article can be found online at <https://doi.org/10.1007/s10021-017-0133-0>.

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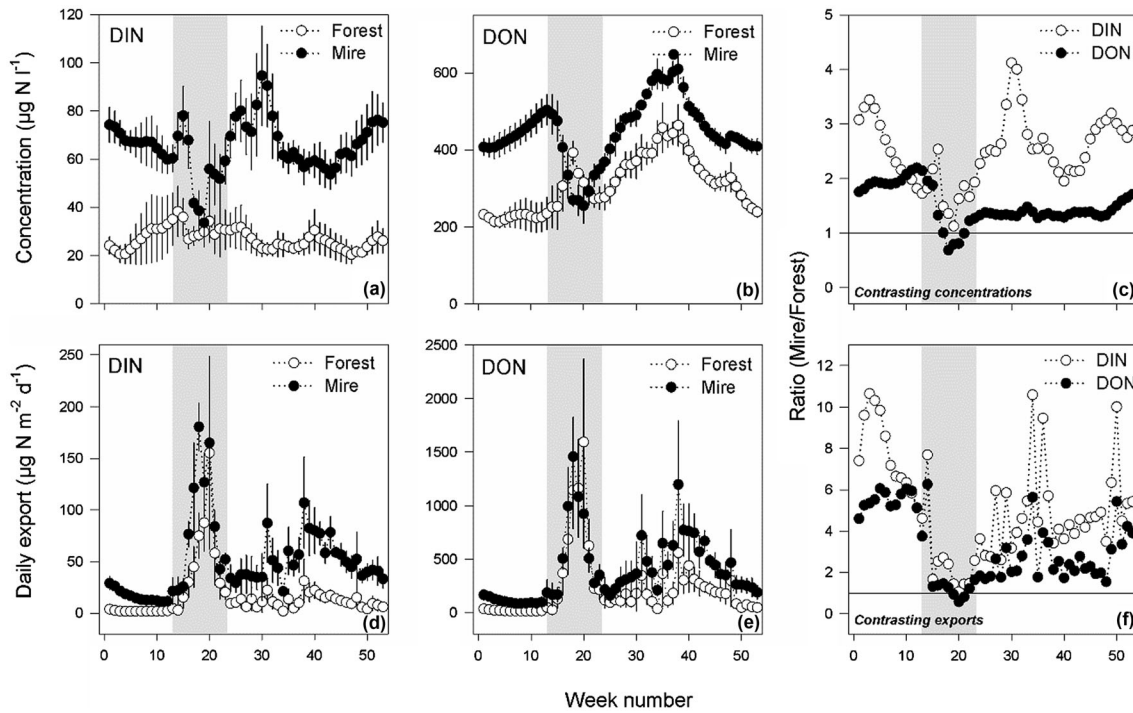


Figure 3. Representation of seasonal trends in the concentration and export of DIN and DON for mire (MC4) and forest (FC2) catchments. Top panels **A** and **B** show the weekly average concentration ( $\pm$  SE); bottom panels **D** and **E** show daily export averaged by week ( $\pm$  SE). Averages are derived from the interpolated daily time series record generated between 2008 and 2012; standard errors are based on differences among years ( $n = 4$  or 5). Right panels **C** and **F** illustrate the difference between MC4 and FC2 as described by the ratio of concentration (panel **C**) and export (panel **F**) on a weekly basis for the same period. Gray shading indicates the spring snowmelt period.