Hydrol. Earth Syst. Sci. Discuss.,
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Hydrology and Earth System Sciences
Discussions

Interactive comment on "Seasonal watershed-scale influences on nitrogen concentrations across the Upper Mississippi River Basin" *by* Michael L. Wine et al.

Anonymous Referee #1

Received and published: 19 October 2020

A portion of the paragraph that begins at the end of page C2 was somehow deleted. Here is the full paragraph:

Lines 371-3 and Figure 8b.: The discussion and the following sentence in the Figure caption are incorrect: "Inverse relationships [between TN concentration and log of discharge] are observed in watersheds in which 50 percent or more of the area is drained artificially by tiles." Inverse relationships are observed downstream of point sources, where greater flow dilutes the N from the point source. The figure 8b illustrates the inverse relationship for a 192 km2 watershed and the only watershed of that size in their dataset is the Little Calumet River at Munster, Indiana, which is heavily impacted

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by wastewater discharge.

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