

Interactive comment on “A comparison of three simple approaches to identify critical areas for runoff and dissolved reactive phosphorus losses” by C. Hahn et al.

Anonymous Referee #1

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This manuscript covers an important topic related to phosphorus losses from agricultural fields and how the 'hot spots' can be modeled using in this case three different models that is tested for their predictive power. The manuscript is well written with good illustrations. I have only the following minor comments:

1. Page 2, line 43: Also bank erosion has recently been shown to be an important P-source in lowland streams (cf. Kronvang, B., Audet, J., Baattrup-Pedersen, A., Jensen, H.S. and Larsen, S.E. 2012. Phosphorus loss via bank erosion in a Danish lowland river basin. *Journal of Environmental Quality* 41, 304-313). 2. In Table 2 you are using different numbers of decimals for the two catchments - why? and can you argue

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that the uncertainty of the estimate is lower in one of the catchments? 3. The same problem with number of decimals goes for Table 3 and 4 where you have shown the percentages with one decimal - are you sure that this can be given with this precision ?

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 10, 14495, 2013.

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