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Interactive
comment

Interactive comment on "Regional-scale lateral carbon transport and CO$_2$ evasion in temperate stream catchments" *by* Katrin Magin et al.

Anonymous Referee #1

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Please check equation 1. The exponents and coefficients between width and depth are switched. In "Stream Hydraulics" in Raymond et al. (2012) this can be checked. I think the correct formulas would be w=12.88*Qˆ0.42 and d=0.4*Qˆ0.29. This corresponds to width=c*Qˆd and depth=a*Qˆb. The coefficients and exponents of your equation lead to depth»width, which seems not realistic.

Interactive comment on Biogeosciences Discuss., doi:10.5194/bg-2017-16, 2017.