

## ***Interactive comment on “Regional-scale lateral carbon transport and CO<sub>2</sub> evasion in temperate stream catchments” by Katrin Magin et al.***

**Katrin Magin et al.**

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Received and published: 28 April 2017

Anonymous Referee #1 :

- 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  $w=12.88*Q^{0.42}$  and  $d=0.4*Q^{0.29}$ . This corresponds to  $width=c*Q^d$  and  $depth=a*Q^b$ . The coefficients and exponents of your equation lead to  $depth \gg width$ , which seems not realistic.

Reply: Thank you for pointing this out. Indeed the numbers were swapped in the manuscript. All calculations were done with the correct equations. We will correct the coefficients in the revised manuscript.

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C1

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

C2