

***Interactive comment on “Transient analysis of
fluctuations of electrical conductivity as tracer in
the streambed” by C. Schmidt et al.***

Anonymous Referee #1

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Page 6346, lines 21-23. Please, add a citation to supports this sentence.

Page 6346, line 25. Replace ‘direction flow’ with ‘flow direction’.

Page 6347, line 22. It would be appropriate to cite other works in this paragraph that supports your text, see for example Constantz J.: Heat as a tracer to determine streambed water exchanges. *Water Resour. Res.* 44, W00D10, doi:10.1029/2008WR006996, 2008.

Page 6348, lines 2-4. I am confused about how this sentence help the reader to understand why EC is practically a conservative tracer. Please, reformulate it.

Page 6349, lines 5-8. Please, improve/remove this statement and clearly outline the

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paper objectives.

Page 6349, lines 14-16. Please, add a reference to support this statement “However, diurnal temperature signals...”.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 9, 6345, 2012.