

***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 6534, line 12. Replace “for” with “of”.

Page 6534, line 22. Add “was” after “and”.

Page 6355, lines 7-8. This sentence is quite confused, please reformulate it. Do you mean that because of high frequency components in the stream, EC signals are partially damped in the streambed both at downstream and upstream location? In the introduction section, you state that EC propagate deeper in the sediment and therefore you can consider EC a better conservative tracer than temperature; but here you say that at a streambed depth of 44 cm the EC signal present some dumping. So, can you explain why EC is better than temperature?

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