

***Interactive comment on “Mesoscale connectivity  
through a natural levee” by A. E. Newman and  
R. F. Keim***

**E. Zehe (Editor)**

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Dear Dr. Newman,

I agree with the reviewer 2 that the study is based on a very interesting data set and may provide very interesting insights. I share however the concerns of Reviewer 1, who is well respected expert in the field of groundwater –surface water interaction, about the technical soundness of the proposed analysis: in particular that the ‘mixing’ of hydraulic and mechanic aquifer properties leads to unrealistically high saturated hydraulic conductivity values of  $k_s$  (12 m/s). A revised manuscript should, when being submitted, thus thoroughly the issues pointed out by reviewer 1.

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Best regards,

Erwin Zehe

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Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 9, 7761, 2012.