

Interactive comment on “A channel transmission losses model for different dryland rivers” by A. C. Costa et al.

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A short comment: Interesting paper, dealing with a basic problem in aridland recharge/transmission losses. However, should have a more detailed review of literature with direct observations on the process(e.g., recent papers by Benito, G. or Dahan, O. or Morin, E., or Enzel, Y., - and his earlier writings e.g., Enzel and Wells, have dealt with the issues at hand and have better cover of the problem). This is especially true for a) the problem of transmission losses in floodplains (that some of these are considering, in contrast to Lange, minimal),

b) the issue of channel length,

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- c) the actual diverse rates of channel bed losses, flood duration, and
- d) the reaching to full saturation of the channel bed in both deeper alluvia in channel and very limited storage.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 8, 8903, 2011.

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