

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

A. C. Costa et al.

alexandrecunhacosta@yahoo.com.br

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Dear Dr. Y. Enzel,

Thank you very much for your comments. Our manuscript focuses primarily on a general modelling concept and an assessment strategy for channel transmission losses in semi-arid river environments. We have tested this model concept on the basis of our own observation data from NE-Brazil and on data from the Walnut-Gulch watershed in USA. However, in this manuscript we did not discuss in detail such observation data, instead they are presented in Costa et al 2011, Hydrol. Proc.(in review). This is why, in the present paper, we did not conduct a broad literature review on the different involved processes. Instead, we selected some example papers which summarize the most im-

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portant aspects of channel transmission losses in our point of view. Nevertheless, we appreciate your information about the detailed process studies and we will try to include such information into the revised version of our manuscript where appropriate.

Kind Regards, A.C. Costa

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

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