Hydrol. Earth Syst. Sci. Discuss., 8, C889–C892, 2011
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Hydrology and Earth System Sciences Discussions

Interactive comment on "

Experimental validation of some basic assumptions used in physically based soil erosion models" *by* S. Wirtz et al.

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Thank you for the constructive comments.

C: The strong focus on the rill erosion process could also be incorporated in the title of the manuscript. A: The title is now: "Experimental testing of some basic assumptions used in physically based soil erosion models by means of rill experiments".

C: Compared to the manuscript the abstract is rather short. Please mention some results maybe already in the abstract. A: The abstract has been changed and improved.

C: I would suggest a native speaker to check the manuscript. This would surely improve the manuscript further. A: Some formulations still have been changed; a native speaker is now reviewing the manuscript.

C: Please add the citation "Stroosnijder, L. (2005). Measurement of erosion: Is it possible? Catena, 64, 162–173." to the introduction. A: Thank you for this reference. The paper is now cited in the introduction and in the discussion.

C: Please increase the size of the caption of the axes in Fig. 3 and Fig. 4. A: Caption size has been changed.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 8, 1247, 2011.

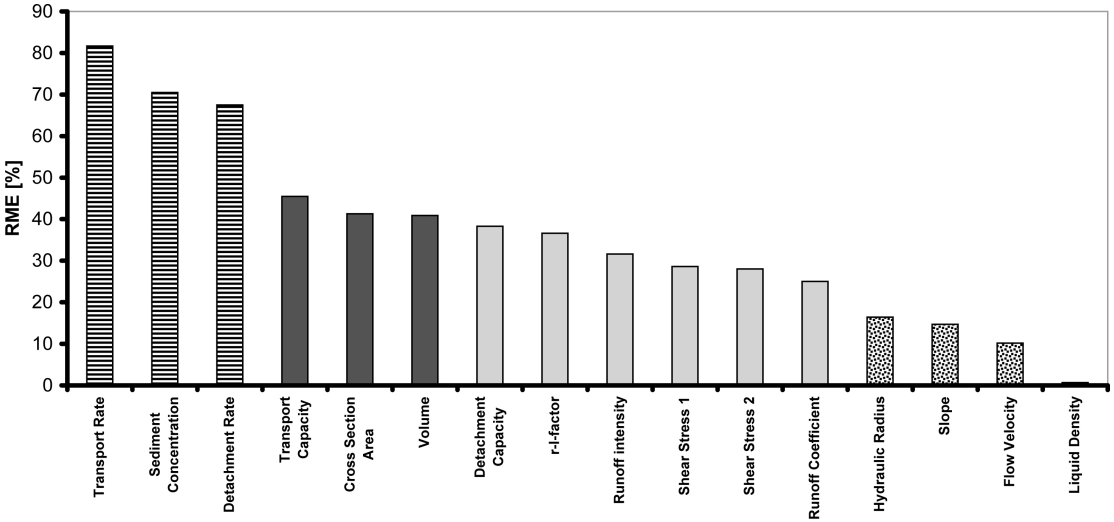

Fig. 1. Figure 3

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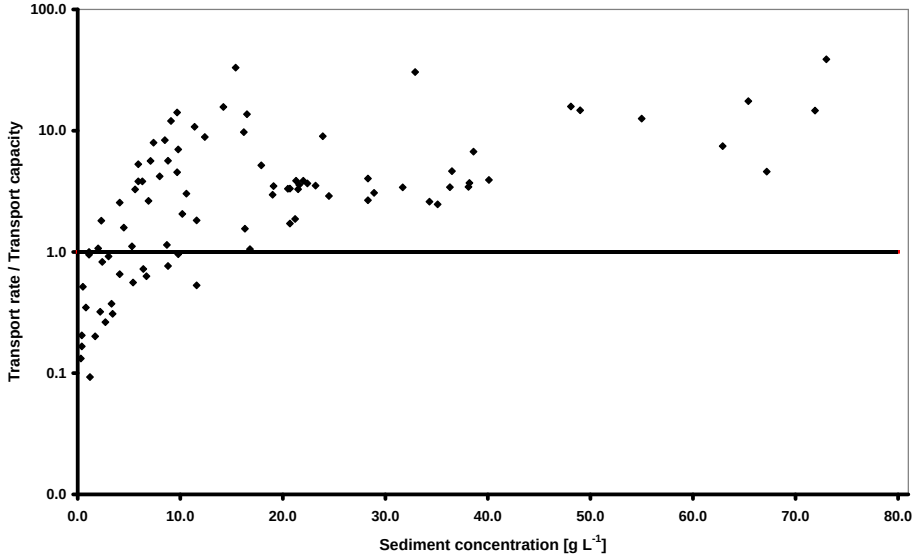

Fig. 2. Figure 4

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