

Interactive comment on “Characteristics and drivers of baseflow response in 183 Australian catchments” by A. I. J. M. van Dijk

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Received and published: 11 November 2009

The contribution deals with a very important subject that well fits within the scopes of HESS. In fact, the study of recession behaviours is today gaining renewed attention from the hydrologic community in relation to water resources management problems. I believe that linking low flow behaviours with geomorphoclimatic features of the catchment is a promising way forward.

Three reviews were received on this paper. The referees agree that the paper needs a major revision before being further considered. In the present form the manuscript is affected by many weaknesses that were well summarised by the referees. Some of them are very critical. I agree that the equations for the linear and non-linear recession

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seem to be inconsistent and therefore some clarification is needed. If these equations were actually used in the form they are presented in the paper a complete revision of the analysis would be necessary. Also, I agree that the review of the literature is missing important contributions that analysed the possible links among low flows and hydrological features of the catchment.

I believe it is very important that all the remarks of the referees are dealt with when revising the paper.

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Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 6, 5811, 2009.

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