

***Interactive comment on* “Can we predict groundwater discharge from terrestrial ecosystems using eco-hydrological principals?”**
by A. P. O’Grady et al.

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Received and published: 24 October 2011

Response to comments by Dr. Graf

Anthony P. O’Grady

We thank Dr Graf for his comments on our manuscript, Can we predict groundwater discharge from terrestrial ecosystems using ecohydrological principals? In Dr Graff’s review of our paper he raises number of issues. For the most part these issues are related to the style of the manuscript rather than the substance. The recommendations of Dr Graff all point to improving the clarity of the manuscript, and should we be given

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the opportunity to submit a final version of the manuscript we consider carefully these comments. It is interesting to note that Dr Graf would like to see an explicit definition of the Budyko framework “at least once”. We would argue that the framework is indeed defined explicitly in the methods (as suggested by Dr Graf) in equations 3 and 4 of the paper which clearly outline the Budyko curve as analysed by Zhang et al. 2004 and the modifications we made to this formulation to test its applicability to groundwater systems. As there were no technical problems raised by the review we will indeed endeavour to improve the clarity of the paper by considering these suggestions.

Zhang, L., K. Hinkel, W.R. Dawes, F.H.S. Chiew, A.W. Western and P.R. Briggs 2004. A rational function approach for estimating mean annual evapotranspiration. *Water Resources Research*. 40:WO2050.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 8, 8231, 2011.

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