

Interactive comment on “Groundwater-surface water interactions, vegetation dependencies and implications for water resources management in the semi-arid Hailiutu River catchment, China – A synthesis” by Y. Zhou et al.

Anonymous Referee #1

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I have remarks on three main topics: (1) Description of methods and instruments: The authors should carefully check their manuscript to make sure that all measurements can be clearly connected with the respective analysis and results. In some parts of the article I have the impression that the different described analysis stand a bit isolated from each other, rather than they are supporting each other. (2) Thermal methods: What is shown in the manuscript is not a quantitative analysis and therefore does not justify stating that temperature methods are used to quantify groundwater-surface

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water interaction! However in my opinion with the presented data a very easy quantitative analysis of groundwater-surface water interaction using temperature data could and should be performed. (3) Figures: I think most figures need substantial improvement. What and how results are presented is often contradictory, unclear or simply incomparable with other results.

Please also note the supplement to this comment:

<http://www.hydrol-earth-syst-sci-discuss.net/9/C7130/2013/hessd-9-C7130-2013-supplement.pdf>

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