

Interactive comment on “Analysis of parameter uncertainty in hydrological modeling using GLUE method: a case study of SWAT model applied to Three Gorges Reservoir Region, China” by Z. Y. Shen et al.

Anonymous Referee #2

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The stated objectives of this manuscript are to evaluate parameter uncertainty in hydrological modeling. In this study, GLUE was combined with the SWAT model to quantify the parameter uncertainty of the stream flow and sediment simulation in the Daning River watershed in the Three Gorges Reservoir Region, China. The results are well presented; this research can enhance the understanding of uncertainty in hydrological modelling. The reviewer suggests that the journal publish it after a minor revision. My comments include: (1) Generally, the English writing is good in this manuscript.

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However, there are a number of grammar mistakes. There is no need for a major revision but the authors should spend some time to polish English. (2) Title: use "hydrological and sediment modeling" than "hydrological modeling" (3) Keywords: use "Three Gorges Reservoir Area" rather than "TGRA". (4) Methods: The procedures for sensitivity analysis, calibration and validation of input parameter are missing in the manuscript. Need to add. (5) Conclusion: A number of sentences are similar with those in the "Results" section. Rewrite the conclusion section.

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