

Interactive comment on “The importance of parameterization when simulating the hydrologic response of vegetative land-use change” by Jeremy White et al.

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Thank you for your response. Concerning the sensitivity analysis; I understand that a Sobol' analysis is generally not feasible (although with one million runs it might be quite feasible here). My main comment was indeed that your approach is not 'common practice', while for all other cases (e.g. the objective functions) you are purposely following 'common practice' to show the implications of this practice. Perhaps you could discuss why you decided not to follow the common practice for this step of the procedure. Concerning the ET: I know that often ET is not available. That is why it would be interesting to investigate what the potential added value of these data could be. If this added value is large, it could be a strong motivation to increase the number

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of points where ET is observed (slowly, everyone starts to agree that discharge alone is not sufficient to constrain a model, but which states or fluxes are needed in addition remains unanswered). It was a suggestion, perhaps for further research.

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