

Interactive comment on “Assessment of impacts of agricultural and climate change scenarios on watershed water quantity and quality, and crop production” by A. D. Teshager et al.

Anonymous Referee #2

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This is a very useful manuscript in the context of bioenergy production within a hydrologic modeling framework. Even though several manuscript published in similar direction, I feel this manuscript is informative for research community.

I have following comments:

1. Provide a brief description on SWAT model calibration/validation with respect to water quantity/quality.
2. Considering the fact that the climate, land use and crop pattern will change in future, how did you deal model parameter uncertainty? Are you considering the historical model parameters for future scenarios as well?

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3. Is there a role of groundwater contribution to hydrologic modeling?
4. Please be specific what major conclusions were derived from the study?

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., doi:10.5194/hess-2016-86, 2016.

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