

Interactive comment on “A Salinity Module for SWAT to Simulate Salt Ion Fate and Transport at the Watershed Scale” by Ryan T. Bailey et al.

Christian Stamm (Editor)

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Editor comments:

In addition to the comments by the reviewers, I add a few further questions:

- **L: 217:** Generally, the cation exchange capacity is *pH*-dependent. Is this taken into account by the model? If not, what are the reasons?
- **L: 293 - 295:** You mention that *only minimal manual calibration* was applied. However, changing the solubility product by almost a one order of magnitude seems more than minimal. Can you provide reasons why it may be necessary to modify a solubility product?

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- **L: 334:** What's a stochastic river mass balance?
- **Fig. 4A:** In this figure one cannot distinguish the different ions. Please modify.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2018-614>, 2019.

C2