Hydrology and
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Discussions

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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)

christian.stamm@eawag.ch

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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[Discussion paper]

- **L: 334**: What's a stochastic river mass balance?

- **Fig. 4A**: In this figure one cannot distinguish the different ions. Please modify.