

Interactive comment on “Modelling confluence dynamics in large sand-bed braided rivers” by Haiyan Yang and Zhenhuan Liu

Anonymous Referee #3

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The manuscript presents an investigation on confluence dynamics in braided rivers using a 2D model. The confluence evolution is one key process in braided rivers, and the 2D numerical model is a kind of useful tool to investigate the confluence dynamics. However, less novelty can be found regarding both modelling and mechanics of confluence process. For the model, in which six fractions are used for sediments with size from 0.0025 to 0.25mm, the interaction among fractions should be significant, but it is not clear how to deal with them and whether the cohesive is taken into account. For the results and discussion, outputs of simulation are just given directly with very limited contribution to the related knowledge.

Interactive comment on Earth Surf. Dynam. Discuss., <https://doi.org/10.5194/esurf-2018-85>, 2018.

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Discussion paper

