

Nat. Hazards Earth Syst. Sci. Discuss., referee comment RC1
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Comment on nhess-2021-51

Anonymous Referee #1

Referee comment on "A comparative flood damage and risk impact assessment of land use changes" by Karen Gabriels et al., Nat. Hazards Earth Syst. Sci. Discuss.,
<https://doi.org/10.5194/nhess-2021-51-RC1>, 2021

I think this is an interesting paper with a good data-based approach, but it needs more work on explanations, understanding of hydrological processes being modelled, the impact of antecedent soil moisture and some analysis of sensitivity to modelling assumptions such as interpolations of water surface on the outcomes. The reduction in impacts for afforestation is very large.

Please also note the supplement to this comment:

<https://nhess.copernicus.org/preprints/nhess-2021-51/nhess-2021-51-RC1-supplement.pdf>