

Earth Surf. Dynam. Discuss., author comment AC4
<https://doi.org/10.5194/esurf-2021-88-AC4>, 2022
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Reply on EC1

Ian Delaney et al.

Author comment on "Modeling the spatially distributed nature of subglacial sediment transport and erosion" by Ian Delaney et al., Earth Surf. Dynam. Discuss.,
<https://doi.org/10.5194/esurf-2021-88-AC4>, 2022

Dear Dr. Butcher,

We appreciate your help in handling this manuscript.

We have taken the comments by the reviewers seriously and done our best to address them to the fullest extent. In our responses to the reviewers, we discuss how we have substantially altered the model description, omitted the "ice sheet" test case, and provided an explanation for why the "Griesgletscher" test case is important to include. We have also decided to include a section regarding "Model Limitations," which is discussed.

We hope that you will look upon this discussion and our adjustments favorably.

Best regards,

Ian Delaney, on behalf of all authors.