Reviewer response

I thank the authors for their detailed and full responses to the comments by both reviewers. They have taken care over the revisions, and I am satisfied that the paper is ready for publication.

I do have a few more comments relating to some changes – these are mainly grammatical issues. The following line numbers relate to the revised tracked-changes manuscript.

P3, L11-13: Reword to "*Together, these complex and diverse glacier responses pose a challenge for accurate assessments of future glacier dynamics and associated cascading hazards*."

P4, L8-11: Revise, this sentence doesn't make sense.

P5, L11: Should read "*that have occurred*".

P5, 13: Change to "*in HMA, of which, 95% were from*".

P6, L27-29: I'm a little confused by the elevation change – if glaciers are receding (shown by the negative mass balance), one would expect the elevation change to be positive. Can you please check these numbers are reported correctly?

P7, L1-2: It's unclear why you have removed km^2.

Sections 3.1, 3.2, 4.1, Figs. 6, 8, 11, 12: You use imagery and imageries. I would prefer imagery, unless there is a reason that imageries is more accurate to what you are describing?

P13, L8: Please cite r.avaflow (see https://www.landslidemodels.org/r.avaflow/).

P 14, L1 and L28: Remove the comma after et al.

P14, L17: Reference HEC-RAS.

P14, L31: Reference Fig. 11 here (unless you have an alternative to illustrate the cross-section locations?).

P22, L3-5. Rewrite to: "*However, this GLOF did not lead to a cascading GLOF from Lake-B, located immediately downstream.*"

P22, L15-17: Consider rewriting to: "*Between 2014-15, imagery revealed lake water intrusion along the right margin of GL-B's terminus (Fig. 4).*"

P22, L18: Remove the comma after *terminus*.

P22, L29: Change to "*of the downstream*".

P. 30, L16: Check parentheses around Sattar reference.

P32, L20-22: Rewrite this sentence, it's grammatically incorrect.

P37, L10-20. Consider rewriting to: "*Unreported GLOFs are events that occurred in the past which were not documented or reported at the time due to their remote location and/or minimal downstream impact to population or infrastructure; they are identified retrospectively based on geomorphic processes and signatures. GLOFs and mass movements in the remote Himalayan region are often unreported (Veh et al., 2019, 2022) due to their limited downstream impact and subtle geomorphic signatures. However, Zheng et al. (2021) report that at least 21 GLOF events occurred per year in the region from 1900 to 2016.*"

P39, L7: Remover the comma after *lake*.

P43: Restructure paragraphs. NP at line 16, integrate P at L28 with previous.

P43, L33-34: Reference the results section for the avalanche reconstruction.

P48, L8: Change "*from what is modelled*" to "*from those modelled*".

P48, L12: Change to "*in the case of*".