

Response to reviewers regarding Manuscript ID egusphere-2024-3001 entitled:

"Localised geomorphic response to channel-spanning leaky wooden dams" to Earth Surface Dynamics.

We would like to thank Xiaofeng Liu and another anonymous Reviewer for their feedback on this manuscript, as well as Anastasia Piliouras for overseeing the submission and review process, and Wolfgang Schwanghart for accepting the article.

We have corrected all Figure issues to ensure that the formatting remains consistent throughout the manuscript.

We have, however, left the river channel as yellow in Fig. 1 as the line style used for the channel is proportional to stream order rather than representative of the land cover map classification, and this colour enhances readability of the figure.

On behalf of my co-authors, we thank you for the time and effort by all in reviewing and editing the manuscript and look forward to the final publication in ESurf.

Kind regards,

Josh Wolstenholme