

Nat. Hazards Earth Syst. Sci. Discuss., referee comment RC3  
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## **Comment on nhess-2022-35**

Anonymous Referee #2

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Referee comment on "Using a single remote-sensing image to calculate the height of a landslide dam and the maximum volume of a lake" by Weijie Zou et al., Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2022-35-RC3>, 2022

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The paper introduced a method to calculate different parameters, required for risk assessment of landslide dams. The paper is presenting an interesting method. However, following points should be considered before its acceptance for publication.

- The title is ambiguous as the calculations are not merely based on a satellite image.
- Introduction should explain these parameters and also their connection with risk assessment.
- Most of the paper explains the long procedure with very short discussion and rapid hazard assessment section.
- Rapid hazard assessment section needs more explanation.
- The section should be supplemented with a figure, explaining the complete process of determination of parameters.
- May I suggest to include another landslide dam for validation purpose