

Interactive comment on “A General Lake Model (GLM 2.4) for linking with high-frequency sensor data from the Global Lake Ecological Observatory Network (GLEON)” by Matthew R. Hipsey et al.

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In response to the initial comments by Reviewer 1, a significantly updated version of the manuscript has been prepared. It is available for download as a supplement to this comment. Due to the volume of changes this preliminary revision does not contain track changes, but please note the significant changes that have been made, including improved consistency in notation throughout the paper, a symbol summary table, plus changes to Figures 1, 3, 6 and 10. The manuscript also includes more detail and reorientation of text to improve clarity of sub-model descriptions in Section 2.

These changes address problems that were initially identified by Reviewer 1 (which are

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replied to specifically rather than in this note), but also do address several of the more recent concerns raised by Reviewer 2 and 3. A more comprehensive revision will be prepared that more fully addresses all of the reviewer comments, however, this version of the manuscript is being uploaded now to allow a more complete assessment by the reviewers during this discussion phase.

Many thanks to all reviewers for the very insightful comments, and I do hope this upgraded version will be easier to review.

Kind Regards Matt Hipsey and co-authors.

Please also note the supplement to this comment:

<https://www.geosci-model-dev-discuss.net/gmd-2017-257/gmd-2017-257-AC1-supplement.pdf>

Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2017-257>, 2017.

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