

***Interactive comment on “The Canadian
Hydrological Model (CHM): A multi-scale,
multi-extent, variable-complexity hydrological
model – Design and overview” by
Christopher B. Marsh et al.***

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Dear Dr. Dadic (Reviewer #1),

Thank you for your comments.

>Figure 3 is not very useful and can be removed from the manuscript.

This has been removed and the text updated.

>Figure 4 is poorly readable and the resolution should be increased.

C1

A new figure has been generated at a higher DPI

>As stated above, the modular approach to models is not exactly new and that could be a bit toned down in the manuscript.

Agreed. However, it is an uncommon feature for an explicitly distributed cold region model. In the modular process representation section, “A key feature” has been changed to “a feature” to hopefully tone down the use of modular. Regardless, modular process representation does represent a key design characteristic of CHM and warrants an explanation. Hopefully this is sufficient to address this concern.

Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2019-109>,
2019.

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