

***Interactive comment on “A decade of supraglacial lake volume estimates across a land-terminating margin of the Greenland Ice Sheet” by A. A. W. Fitzpatrick et al.***

**A. A. Leeson**

eeaal@leeds.ac.uk

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On page 1394, lines 16-19, and again in the abstract, the authors note that supraglacial lakes in the Russell Glacier catchment temporarily store 13% of meltwater discharged annually by Watson River.

I would like to draw the authors attention to a recent modelling study, which estimates that the maximum potential volume of supraglacial lakes, in a region of the Greenland ice sheet in the vicinity of Russell Glacier, equates to 12% of the total annual runoff produced in that region in 2003.

Leeson, A. A., Shepherd, A., Palmer, S., Sundal, A. & Fettweis, X. 2012. Simulating  
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the growth of supraglacial lakes at the western margin of the Greenland ice sheet. Cryosphere, 6, 1077-1086.

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Interactive comment on The Cryosphere Discuss., 7, 1383, 2013.

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