

Dear authors,

Thank you for your thorough response to reviews and revised manuscript. I am pleased to recommend publication, subject to a few minor amendments requested below. These are primarily to improve understanding through rephrasing.

Abstract: rephrase: 'Supraglacial catchments areas are thought to be controlled by the influence of basal topography on the ice surface, which produce static, topographically defined catchments areas draining into a single moulin. Our observations suggest supraglacial drainage basins are more complicated. We present evidence for lakes overtopping drainage divides, enabling connection of previously isolated adjacent basins. We document interannual variability in the size, shape and density catchments in a 31.7 km<sup>2</sup> area by mapping supraglacial streams within three mid-elevation catchments on the Paakitsoq Region of the Greenland Ice Sheet in 2017–2019.'

Remove 'decreasing from 3 to 1 within this area'.

L60: symbol error prior to 2.2

L58: 'The three catchments were selected because they balanced team safety and operational ease with the scientific goals: they were the highest elevation catchments below the snowline at the time of camp installation on 29 July 2017.'

L82; Split this sentence: 'The methodology applied to each catchment was based on equipment availability and ability safely access each stream. In 2019, only remote sensing tools were applied.'

L85: delete 'this dGPS survey utilised' and join to previous sentence with 'using'

L134-142: really like this new discussion in the methods. You give a '±0.1 km<sup>2</sup>' adjustment – would you classify this as the uncertainty in catchment area, or can you give an estimate? Particularly in 2019 where you rely on fully remote methods, I am interested in how the Worldview + ArcticDEM errors might stack up? Could you add a sentence/short statement?

L254: remove 'yet' – you've got an 'indeed' at the start of the previous sentence already.

L256: should be 'rerouting' not rerouted?

Conclusion:

L379: remove 'number', should just read 'variability in their geometry and area'.

L383: sentence order is confusing. Maybe instead: 'When a catchment's largest streams are redirected, they may flow against the surface slope of large-scale topography for short (c. 100s m) distances, which can impact catchment scale hydrology'

L387: 'our work shows that interannual variability of supraglacial catchment number and geometry is possible and..'

Thank you for your patience with the review and revision process, we look forward to receiving the final version.

Liz Bagshaw, Editor