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May 27<sup>th</sup>, 2025

Dr. Amy Holt

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Florida State University

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Dear Dr. Bagshaw,

**Brief Communications: Stream Microbes Preferentially Respire Young Carbon within the Ancient Glacier  
Dissolved Organic Carbon Pool**

Amy D. Holt, Jason B. Fellman, Anne M. Kellerman, Eran Hood, Samantha H. Bosman, Amy M. McKenna, Jeffery P. Chanton & Robert G. M. Spencer

Thank you for the time spent reviewing our manuscript. In line with your suggestion, we have edited line 321 to read: "*In outflows, ancient DOC compounds could also be derived from aged ice-locked and subglacial sources (e.g., paleosols and microbial chemotrophic processes), although supporting data for these sources is yet to be observed for Alaskan glaciers (Stubbins et al., 2012; Spencer et al., 2014).*"

We are pleased you feel the manuscript is now ready for publication, and look forward to seeing it published in The Cryosphere Brief Communications.

Yours Sincerely,

Amy D. Holt