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*Supplement of*

## **Bacterial production in subarctic peatland lakes enriched by thawing permafrost**

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Table S1. Physical properties of study sites. Zm, maximum depth (m); location given by latitude ( $^{\circ}$ N), and longitude ( $^{\circ}$ W).

Lake	Zm	Latitude	Longitude
SAS1A	1.6	55.218800	77.707950
SAS1B	1.2	55.219013	77.707801
SAS2A	2.7	55.225018	77.696580
SAS2B	1.5	55.225212	77.696017
SAS2C	2.1	55.225083	77.694933
KWK12	2.7	55.330072	77.503849
SEC	3.4	55.701033	76.643850
BGR1	4.2	56.610833	76.215000
BGR2	1.1	56.610833	76.215617
NAS1A	3.2	56.923779	76.378293
NAS1H	3.6	56.924121	76.377038
RBL4K	0.7	55.331798	77.699393
POND9K	0.5	55.361083	77.650861
RBL9K	1.2	55.361083	77.650861
RBL0lsha	1.6	55.282452	77.739834

Figure S1. CDOM absorbance curves for SAS permafrost soil (thawed in Milli-Q water) and lake water.

