

Table Supplementary 1. Range of main limnological and landscape variables measured in the 21-lakes and 198-lakes dataset. Whereas for 198 lakes the ranges correspond to a summer snapshot, the 21-lakes dataset includes the variation in spring, summer and fall.

Variable	21-lakes dataset		198-lakes dataset	
	Minimum	Maximum	Minimum	Maximum
pH	5.56	9.22	4.04	8.95
DOC (mg/L)	3.96	20.25	1.064	39.67
cDOM (m ⁻¹)	0.01	8.64	0.01	20.04
TN (mg/L)	0.4	0.89	0.1	0.91
TP (µg/L)	2.88	117.6	2.58	153
TEMP (C)	7.5	24.06	10.75	24.7
CHL (µg/L)	0.39	10.24	0.14	36.05
WRT(days)	17	10523	1.38	10523
Zmax (m)	0.7	70	0.5	78
Secchi (m)	0.1	6.5	0.1	9.5