

Table S1. Study site characteristics (GL = mean growing season length (number of days over 0°C), T = mean annual temperature, TR = mean annual temperature range, P = mean annual precipitation). For each area, climatic data were calculated from available historic daily data between 2014 and 2020 from Environnement Canada (climat.meteo.gc.ca). Sites are sorted according to latitude.

Areas (bioclimatic domains)	GL (days)	T (°C)	TR (°C)	P (mm)	Site ID	Clear-cut year	Clear-cut size (ha)	Ecological type
Northern area (Spruce-moss)	179.67	-4.2	10.63	921	294	2017	41.74	RE39 ⁸
					296	2017	27.11	RE20 ⁴
					310	2017	27.11	RE39 ⁸
					299	2017	12.07	RE21 ⁵
					273	2014	90.59	RE22 ⁶
					283	2014	11.68	RE22 ⁶
					281	2014	36.62	RE22 ⁶
					287	2014	50.03	RE21 ⁵
					274	2015	35.75	RE22 ⁶
					265	2015	43.73	RE22 ⁶
					270	2015	53.26	RE24 ⁷
Central area (Balsam fir-white birch)	203.43	1.78	11.8	925.79	176	2017	17.95	RS22 ¹⁰
					189	2015	11.06	RS21 ⁹
					178	2017	19.83	RS22 ¹⁰
					185	2015	34.06	RS22 ¹⁰
					171	2015	38.2	MS22 ²
					313	2014	26.32	MS22 ²
					227	2014	41.41	RS22 ¹⁰
					311	2014	32.27	MS62 ³
					228	2014	49.4	RS22 ¹⁰
					312	2014	12	MS22 ²

Southern area	215.86	2.93	13.22	958.9	67	2010	12.7	MJ22 ¹
(Balsam fir-yellow birch)					116	2017	35.48	RS25 ¹¹
					117	2016	38.62	MJ22 ¹
					121	2014	62.05	MJ22 ¹
					70	2016	15.58	MJ22 ¹
					122	2014	62.05	MJ22 ¹
					66	2016	26.34	MJ22 ¹
					35	2017	27.67	MJ22 ¹
					36	2017	57.73	MJ22 ¹
					34	2017	16.37	RS22 ¹⁰
					50	2016	5.7	RS21 ⁹
					47	2016	41.34	MJ22 ¹

¹ MJ22: Yellow birch-fir stand on thin to thick deposits of medium texture, with mesic drainage

² MS22: Balsam fir-white birch stand on thin to thick deposits of medium texture, with mesic drainage

³ MS62: Balsam fir-red maple stand on thin to thick deposits of medium texture, with mesic drainage

⁴ RE20: Black spruce-moss or ericaceous stand on very thin deposits, of varied textures, with xeric to hydric drainage

⁵ RE21: Black spruce-moss or ericaceous stand on thin to thick mineral deposits of coarse texture, with xeric or hydric drainage

⁶ RE22: Black spruce-moss or ericaceous stand on thin to thick mineral deposits of medium texture with mesic drainage

⁷ RE24: Black spruce-moss or ericaceous stand on thin to thick mineral deposits of coarse texture, with subhydric drainage

⁸ RE39: Black spruce stand with sphagnum mosses on thin to thick organic deposits, with hydric drainage, ombrotrophic

⁹ RS21: Balsam fir-black spruce stand on thin to thick mineral deposits, of coarse texture, with xeric or mesic drainage

¹⁰ RS22: Balsam fir-black spruce stand on thin to thick mineral deposits, of medium texture, with mesic drainage

¹¹ RS25: Balsam fir-black spruce stand on thin to thick mineral deposits, of medium texture, with subhydric drainage