Table S1

Fixed-effect parameter estimates from the model assessing the response of relative radial increment to distance from the ditch, tree age, slenderness index, tree species, site type, and their interactions

	Estimate	Std. Error	Df*	t value	p value
(Intercept)	1.10E+00	1.03E-01	2.63E+01	10.672	4.66E-11
Distance from the ditch	8.32E-03	2.88E-03	1.52E+02	2.892	0.004384
Tree age	1.97E-03	9.07E-04	5.29E+02	2.174	0.03018
Slenderness index	-2.12E-01	4.98E-02	1.24E+03	-4.267	2.13E-05
Pine	-2.65E-01	7.36E-02	6.40E+02	-3.601	0.000342
Spruce	-1.04E-01	5.58E-02	6.76E+02	-1.857	0.063788
Site type [Mineral, oligotrophic]	8.86E-02	9.84E-02	8.14E+01	0.9	0.370984
Site type [Organic, mesotrophic]	-1.27E-01	9.32E-02	7.74E+01	-1.362	0.177179
Site type [Organic, oligotrophic]	2.65E-01	1.32E-01	8.04E+01	1.999	0.049016
Distance from ditch by species [Birch] by site type [Mineral, mesotrophic]	-8.97E-03	3.06E-03	1.56E+02	-2.932	0.003873
Distance from ditch by species [Pine] by site type [Mineral, mesotrophic]	-6.95E-03	3.33E-03	1.85E+02	-2.087	0.0383
Distance from ditch by species [Spruce] by site type [Mineral, mesotrophic]	-9.14E-03	2.94E-03	1.42E+02	-3.109	0.002273
Distance from ditch by species [Birch] by site type [Mineral, oligotrophic]	-1.01E-02	3.52E-03	1.81E+02	-2.863	0.004696
Distance from ditch by species [Pine] by site type [Mineral, oligotrophic]	-5.01E-03	3.43E-03	1.61E+02	-1.458	0.146858
Distance from ditch by species [Spruce] by site type [Mineral, oligotrophic]	-1.05E-02	3.11E-03	1.31E+02	-3.369	0.000993
Distance from ditch by species [Birch] by site type [Organic, mesotrophic]	-9.48E-03	3.11E-03	1.52E+02	-3.049	0.002714
Distance from ditch by species [Pine] by site type [Organic, mesotrophic]	-6.65E-03	3.41E-03	1.75E+02	-1.953	0.05236
Distance from ditch by species [Spruce] by site type [Organic, mesotrophic]	-6.96E-03	3.00E-03	1.33E+02	-2.321	0.021791
Distance from ditch by species [Birch] by site type [Organic, oligotrophic]	-9.93E-03	3.19E-03	1.22E+03	-3.109	0.001918
Distance from ditch by species [Pine] by site type [Organic, oligotrophic]	-9.29E-03	2.47E-03	1.23E+03	-3.759	0.000179

*Degrees of freedom

Table S2.

Estimated marginal mean tree-ring width (± 95% of confidence interval) of trees before and after drainage ditch maintenance in stands differing by soil type (mineral and organic) in Latvia. The estimates are made accounting for the spatial distribution (spatial dependence of sites), dominant species and stand age.

Soil	Species	Mean tree-ring width, mm	
		Before	After
Mineral, mesotrophic	Birch	2.15 ± 0.57	1.73 ± 0.47
Mineral, oligotrophic	Birch	2.93 ± 0.79	2.52 ± 0.67
Organic, mesotrophic	Birch	1.68 ± 0.79	1.24 ± 0.66
Organic, oligotrophic	Birch	1.33 ± 0.98	1.00 ± 0.86
Mineral, mesotrophic	Pine	1.54 ± 0.60	1.18 ± 0.50
Mineral, oligotrophic	Pine	2.39 ± 0.74	2.10 ± 0.62
Organic, mesotrophic	Pine	1.56 ± 0.77	1.01 ± 0.65
Organic, oligotrophic	Pine	2.02 ± 0.81	1.59 ± 0.70
Mineral, mesotrophic	Spruce	2.17 ± 0.57	1.75 ± 0.46
Mineral, oligotrophic	Spruce	2.73 ± 0.75	2.14 ± 0.63
Organic, mesotrophic	Spruce	2.26 ± 0.77	1.70 ± 0.64
Organic, oligotrophic	Spruce	1.74 ± 0.85	1.86 ± 0.73