Saari A., Palviainen M., Niemi M.T., Laurén A. (2025). Impacts of reduced ditch network maintenance and ditch shallowing on ecosystem services of peatland forests in Finland. Silva Fennica vol. 59 no. 3 article id 25032. https://doi.org/10.14214/sf.25032

Supplementary file S4

Motti simulation background data for Lapland.

Table S4. Motti simulation background data for Lapland. The fertility classes according to Table 2 are: 2 is fertile, 3 is medium-fertile, 4 is medium-poor and 5 is poor. Main tree species are: 1 is Scots pine (*Pinus sylvestris* L.) and 2 is Norway spruce (*Picea abies* (L.) Karst.). Abbreviations for the forest attributes are: stem number (N_s), basal area (BA), basal area-weighted mean height (Hg), basal area-weighted mean diameter (Dg) and dominant height (Hdom).

												Residue									Coarse	
									Stem	Sawlog	Pulpwood	wood	Total	Stand	Stem	Residue	Living	Dead			roots > 2	Fine
Fertility				N _s	BA	Hg		Hdom	volume	volume	volume	volume	yield	mortality	wood	wood		branches		Stumps	mm	roots
class	species				(m² ha ⁻¹)	(m)	(cm)	(m)	(m³ ha-1)	(m³ ha⁻¹)	(m³ ha⁻¹)	(m³ ha⁻¹)	(m³ ha⁻¹)	(m³ ha⁻¹)	(kg ha ⁻¹)							
2	2	0	60	1473	20.5		16.4		113	29.8	70.7	12.6	113.0	0.0	38.5	5.1	15.9	2.1	11.7	4.6	19.0	0.8
2	2	5 10	65 70	1426 1368	24.4 28.3		17.8 19.2		147 184	52.0 73.4	84.3 102.1	10.7 8.5	146.9 184.0	0.0	52.3 67.4	4.3 3.4	19.1 22.1	2.7 3.2	13.5 15.1	5.7 7.0	23.4 27.8	1.1
2	2	15	75	1301	31.8		20.6		223	108.8	105.7	8.2	222.7	0.0	82.3	3.3	24.9	3.8	16.5	8.2	32.2	1.6
2	2	20	80	1231	34.7		21.9		260	146.9	105.2	7.7	259.8	0.0	96.6	3.1	27.2	4.3	17.5	9.3	36.0	1.9
2	2	25	85	1159	37.3		23.1		297	191.3	99.4	6.0	296.6	0.0	111.3	2.4	29.4	4.7	18.4	10.4	39.6	2.2
2	2	30	90	1089	39.6	17.9	24.3	17.9	333	228.3	98.8	5.5	332.6	0.0	125.1	2.2	31.3	5.2	19.1	11.4	43.0	2.4
2	2	35	95	1022	41.6	18.9	25.5	18.9	367	274.0	88.2	5.0	367.1	0.0	138.3	2.0	32.9	5.6	19.6	12.4	46.0	2.6
2	2	40	100	960	43.3	19.8	26.7	19.8	400	311.5	84.0	4.6	400.1	0.0	150.7	1.8	34.4	5.9	20.0	13.3	48.8	2.9
2	2	45	105	903	44.8		27.8		431	351.0	76.0	4.2	431.2	0.0	162.5	1.6	35.8	6.2	20.3	14.2	51.3	3.1
2	2	50	110	852	46.1		28.9	21.6	461	390.3	66.4	3.9	460.6	0.0	173.5	1.5	37.0	6.5	20.5	15.0	53.6	3.3
3	2	0 5	60 65	1642 1579	19.2 22.4		15.9 17.1		121 151	30.7 47.1	78.1 91.0	11.9 13.1	120.7 151.2	0.0	41.5 52.9	4.9 5.3	13.9 16.3	2.3	10.7 12.2	4.3	17.8 21.2	0.7
3	2	10	70	1508	25.5			14.8	184	79.9	92.9	10.8	183.6	0.0	66.4	4.4	18.6	2.8 3.2	13.5	5.2 6.1	24.7	0.9 1.2
3	2	15	75	1431	28.3		19.5		217	96.9	109.6	10.6	217.0	0.0	79.3	4.3	20.7	3.7	14.7	7.1	28.0	1.4
3	2	20	80	1353	30.6		20.5		249	131.3	109.2	8.4	248.9	0.0	92.6	3.4	22.5	4.1	15.6	7.9	30.9	1.6
3	2	25	85	1278	32.7		21.5		280	170.7	101.9	7.8	280.4	0.0	105.0	3.1	24.2	4.6	16.4	8.7	33.7	1.9
3	2	30	90	1205	34.5	18.6	22.5	18.6	311	193.9	110.2	7.1	311.2	0.0	117.1	2.9	25.7	4.9	17.0	9.5	36.3	2.1
3	2	35	95	1138	36.2	19.5	23.5	19.5	341	233.3	101.1	6.6	341.0	0.0	128.7	2.6	27.0	5.3	17.6	10.2	38.7	2.3
3	2	40	100	1075	37.7		24.5		369	267.7	95.7	6.0	369.5	0.0	139.9	2.4	28.3	5.6	18.0	10.9	40.9	2.5
3	2		105	1018	38.9		25.4		397	302.4	88.7	5.5	396.7	0.0	150.4	2.2	29.4	5.9	18.4	11.6	42.9	2.7
3	2	50	110	965	40.1		26.3		422	327.8	89.5	5.1	422.4	0.0	160.4	2.0	30.4	6.2	18.7	12.2	44.8	3.0
3	1	0 5	60 65	1904 1827	20.2		14.5 15.4		122 144	14.8 21.3	95.9 114.3	10.8 8.6	121.5 144.3	0.0	43.1 53.0	4.3	10.5 11.5	3.0	4.6	4.0	10.7	0.4
3	1	10	70	1748	24.9			13.2	167	27.4	131.4	8.6	167.4	0.0	62.2	3.5 3.5	12.4	3.4 3.8	4.9 5.1	4.7 5.3	12.6 14.6	0.5
3	1	15	75	1665	26.7			14.0	189	52.6	127.6	8.6	188.8	0.0	70.7	3.4	13.1	4.2	5.3	5.9	16.4	0.6
3	1	20	80	1582	28.3		17.9		209	63.7	139.2	6.4	209.4	0.0	79.8	2.6	13.7	4.5	5.4	6.4	18.1	0.7
3	1	25	85	1500	29.8	15.5	18.8	15.5	229	79.0	143.8	5.9	228.8	0.0	87.8	2.4	14.2	4.8	5.5	6.9	19.8	0.7
3	1	30	90	1388	30.3	16.1	19.6	16.1	242	89.5	146.6	5.4	241.6	0.0	93.2	2.2	14.5	4.9	5.5	7.2	20.8	0.8
3	1	35	95	1286	30.7	16.8	20.4	16.8	253	109.2	138.9	4.9	253.0	0.0	98.0	2.0	14.7	5.1	5.5	7.4	21.8	0.8
3	1	40	100	1196	31.1		21.1		264	127.4	131.9	4.5	263.9	0.0	102.6	1.8	14.9	5.2	5.4	7.7	22.8	0.9
3	1	45	105	1116	31.5		21.9		274	143.0	126.9	4.2	274.1	0.0	106.9	1.7	15.1	5.3	5.4	7.9	23.7	0.9
3	1	50	110	1045	31.8		22.7		284	155.1	124.8	3.9	283.8	0.0	110.9	1.6	15.2	5.4	5.4	8.1	24.6	0.9
4	1	0 5	60 65	2224 2134	16.4 18.7		12.2 13.0		83 101	0.0	71.2 91.0	12.1 10.5	83.3 101.5	0.0	28.0 35.9	4.9 4.2	8.6 9.7	2.3	4.1 4.5	2.9 3.5	7.4 9.0	0.4
4	1	10	70	2044	20.9		13.9		121	9.9	99.8	11.0	120.7	0.0	43.3	4.4	10.7	3.0	4.8	4.1	10.6	0.5
4	1	15	75	1953	22.7		14.6		139	16.1	113.8	8.8	138.7	0.0	51.4	3.5	11.5	3.4	5.0	4.6	12.1	0.6
4	1	20	80	1862	24.3		15.4		157	22.5	125.6	8.6	156.7	0.0	58.8	3.5	12.2	3.7	5.2	5.1	13.6	0.6
4	1	25	85	1770	25.9	13.2	16.1	13.2	175	27.6	138.7	8.3	174.7	0.0	66.0	3.4	12.9	4.0	5.4	5.5	15.1	0.7
4	1	30	90	1680	27.2	13.9	16.9	13.9	192	41.8	142.0	8.0	191.9	0.0	73.1	3.2	13.4	4.2	5.5	6.0	16.5	8.0
4	1	35	95	1592	28.4		17.6		208	61.7	140.2	6.2	208.2	0.0	80.3	2.5	13.9	4.5	5.6	6.4	17.9	8.0
4	1	40	100	1508	29.5			15.2	224	72.6	145.2	5.8	223.7	0.0	86.8	2.3	14.3	4.7	5.6	6.8	19.2	0.9
4	1	45	105 110	1427	30.4			15.8	238	89.2	143.6	5.4	238.1	0.0	92.8	2.2	14.7	4.9	5.7	7.1	20.5	0.9
5	1	50 0	60	1349 2083	31.2 12.4		19.7	16.4 8.0	251 55	99.8	146.7 41.8	5.0 12.9	251.4 54.7	0.0	98.3 16.5	5.2	15.0 6.1	5.1 1.6	5.7 3.1	7.5	21.7 4.9	0.3
5	1	5	65	2019	13.9		11.2		65	0.0	54.2	11.3	65.5	0.0	21.5	4.6	6.8	1.9	3.4	2.4	5.8	0.3
5	1	10	70	1956	15.2		11.8	9.4	77	0.0	67.1	9.7	76.8	0.0	26.7	3.9	7.5	2.1	3.6	2.7	6.7	0.4
5	1	15	75	1894	16.3		12.3	10.1	87	0.0	77.1	10.1	87.2	0.0	30.7	4.1	8.0	2.3	3.8	3.0	7.4	0.4
5	1	20	80	1833	17.3	10.7	12.8	10.7	97	0.0	87.1	10.3	97.4	0.0	34.8	4.2	8.5	2.4	4.0	3.2	8.2	0.5
5	1	25	85	1774	18.2		13.3		107	0.0	99.0	8.2	107.3	0.0	39.6	3.3	8.9	2.6	4.1	3.5	8.9	0.5
5	1	30	90	1715	18.9		13.8		117	0.0	108.7	8.1	116.8	0.0	43.6	3.3	9.2	2.7	4.3	3.7	9.5	0.6
5	1	35	95	1658	19.6			12.5	126	11.3	106.6	7.9	125.8	0.0	47.3	3.2	9.5	2.9	4.4	3.9	10.2	0.7
5	1	40 45	100	1603	20.1		14.6		134	13.9	112.7	7.7	134.4	0.0	50.9	3.1	9.8	3.0	4.4	4.1	10.8	0.7
5	1		105 110	1549 1498	20.6 21.1		15.0	13.5 14.0	142 150	16.8 19.1	118.1 123.3	7.5 7.3	142.4 149.7	0.0	54.2 57.3	3.0 2.9	10.1 10.3	3.1 3.2	4.5 4.6	4.3	11.3 11.8	0.8
3	1	30	110	1476	21.1	14.0	15.4	14.0	130	17.1	125.5	7.5	145.7	0.0	37.3	2.5	10.5	5.2	4.0	4.4	11.0	0.0