

Supplementary file S1

A comparison of a transferred general diameter/height model and locally constructed models that are calibrated with local field measurements and used for the prediction of diameter at breast height. The accuracy of the predictions is estimated based on the basal area median tree diameter, tree-level volume and plot level total volume.

S1 General information on the field plots and tree compositions.

X-coordinate	Y-coordinate	Site type	Development class	Age	Scots pine % of total	Norway spruce % of total	Deciduous % of total	Mean diameter	Minimum diameter	Maximum diameter	Diameter standard deviation	Mean height	Minimum height	Maximum height	Height standard deviation	
605675.39	6938265.025	3		7	85	17.65	19.61	62.75	21.38	5.9	58.2	14.68	17.29	5.0	33.7	8.60
605259.4038	6944657.468	4		6	47	92.47	3.23	4.30	15.81	5.6	24.3	4.39	15.21	5.6	18.5	2.49
604485.39	6944255.025	4		6	50	74.17	20.83	5.00	14.26	5.3	27.8	5.21	14.04	4.1	22.5	4.00
609760.1443	6925413.056	2		7	65	0.00	53.33	46.67	16.97	5.8	33.2	8.41	15.88	3.7	28.6	9.51
599675.39	6929865.025	3		6	46	58.62	41.38	0.00	22.64	6.1	35.2	4.91	19.22	5.2	22.0	3.15
604078.7602	6943443.516	4		5	39	55.56	32.22	12.22	12.75	5.8	35.5	5.02	12.69	5.4	22.7	3.96
606096.3173	6927530.132	2		7	65	40.54	18.92	40.54	25.68	6.8	36.8	8.35	24.09	5.4	30.2	7.54
598860.8571	6931062.7	1		7	70	0.00	64.29	35.71	17.09	6.2	34.6	8.76	16.18	4.5	32.0	9.37
606744.0128	6937053.98	3		5	30	14.51	24.35	61.14	11.71	5.1	29.9	5.41	13.81	4.1	21.8	3.92
602075.39	6937465.025	4		6	43	92.68	0.00	7.32	13.22	5.1	25.8	4.97	11.38	4.0	17.5	3.08
608415.5146	6932655.724	3		7	80	3.70	81.48	14.81	33.85	7.0	46.5	8.19	27.17	6.8	31.9	4.65
613275.39	6929865.025	3		5	35	0.75	95.52	3.73	12.07	5.1	27.6	4.53	10.91	4.2	19.5	3.29
602475.39	6940255.025	4		7	100	22.87	39.89	37.23	12.43	5.2	41.1	8.13	12.34	4.2	25.6	6.00
604475.39	6939465.025	3		7	90	22.86	77.14	0.00	16.62	5.1	38.0	7.92	15.60	4.7	26.9	6.28
610875.39	6932665.025	2		5	30	0.00	72.00	28.00	12.69	6.2	20.9	3.67	11.93	4.9	18.3	3.24
604837.8952	6929017.357	2		6	40	0.00	100.00	0.00	24.25	5.7	32.0	6.24	20.36	4.4	24.8	5.01
606513.1755	6925071.651	3		7	80	5.33	84.00	10.67	22.91	6.3	39.9	7.71	22.13	4.9	31.4	6.11
605610.2827	6926677.233	3		7	80	0.00	95.35	4.65	29.94	10.8	51.6	7.14	25.69	6.2	31.4	4.88
610471.3208	6933093.509	3		7	90	45.61	26.32	28.07	21.27	5.8	41.3	10.42	17.53	4.5	28.7	6.50
603665.39	6939865.025	3		6	45	50.00	37.07	12.93	15.16	5.4	28.3	6.48	14.05	4.1	21.4	5.07
606422.1997	6945085.952	3		6	38	98.98	1.02	0.00	15.32	6.3	23.9	3.71	15.69	6.1	19.6	2.01
612053.3	6933471.71	3		6	55	0.67	60.40	38.93	14.21	5.3	45.0	8.94	13.62	2.8	29.1	7.68
606118.9886	6924301.067	2		6	40	0.00	55.70	44.30	13.58	5.9	27.4	5.74	14.01	3.9	24.2	7.28
598875.39	6929065.025	3		6	56	0.64	55.41	43.95	12.63	5.1	37.0	5.86	12.62	4.4	23.4	5.08
606075.39	6927865.025	2		5	35	0.58	25.73	73.68	11.51	5.2	22.6	3.35	13.65	4.4	20.2	3.72
607255.3346	6938264.153	3		5	35	0.00	98.57	1.43	18.14	5.6	28.7	3.63	15.35	6.7	18.1	2.08
610065.39	6933455.025	3		7	90	25.00	62.50	12.50	29.83	5.8	51.9	14.59	23.12	4.4	33.8	10.03
605692.5388	6937487.696	3		7	75	62.75	35.29	1.96	29.69	5.7	42.8	8.20	24.22	5.1	30.9	6.18
612504.4557	6931514.146	2		5	30	2.86	75.71	21.43	12.27	5.3	22.4	3.72	12.02	4.6	18.0	2.81
610434.2397	6924676.361	2		7	70	0.00	54.55	45.45	18.78	6.6	41.3	10.07	15.39	5.5	29.0	7.34
613275.39	6930665.025	3		5	35	0.87	93.91	5.22	14.07	5.0	27.7	5.17	13.71	5.6	21.9	4.07
608254.4903	6932120.278	4		7	73	45.35	16.28	38.37	15.89	5.7	32.5	8.43	13.36	4.6	23.0	5.57
599275.39	6929465.025	4		6	55	76.92	20.51	2.56	16.67	5.7	29.7	6.00	13.74	4.2	19.3	4.12
597682.0751	6932258.485	3		7	80	58.06	41.94	0.00	18.48	5.7	40.6	10.70	17.49	4.4	30.9	9.08
607675.39	6939865.025	2		5	30	72.67	7.45	19.88	14.57	5.8	27.2	4.57	15.63	5.9	20.3	2.82
599272.1928	6930286.824	3		6	60	34.29	58.57	7.14	17.49	5.7	30.2	7.40	14.84	4.9	24.0	5.48
602475.39	6943865.025	3		5	45	1.79	76.79	21.43	15.43	5.8	24.0	4.63	14.90	6.0	22.0	3.79
598865.39	6929475.025	4		6	50	56.25	35.00	8.75	16.33	5.6	28.5	6.02	15.04	4.0	22.1	4.49
604861.1478	6928279.994	3		7	80	22.22	75.00	2.78	31.40	7.8	48.5	9.74	25.71	5.0	30.9	6.94

Site types

- 1 Herb-rich forests
- 2 Herb-rich heath forest
- 3 Mesic heath forests
- 4 Sub-xeric heath forests
- 5 Xeric heath forest
- 6 Barren heath forests
- 7 Rock outcrops and sands
- 8 Fell areas

Development classes

- 5 Young stands
- 6 Advanced stands
- 7 Mature stands