



FOREST SCAN REPORT

YEARS 2021-2041

SERIAL: 00001-0000001-2816000-CCCS-VCO-001-CO2CAP-FI-AAA-SA001-01011900-03112021-0

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BASIC FOREST INFORMATION

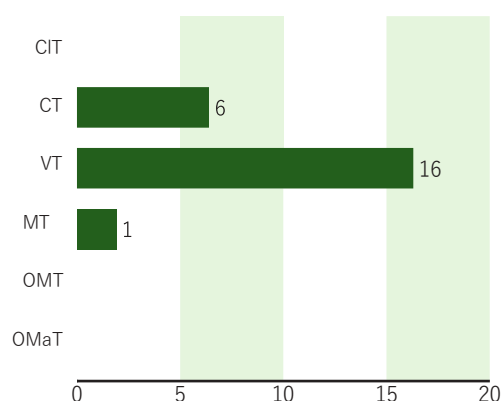
REAL ESTATE AERAS BY MAIN GROUP

PROPERTY ID:	Area Ha	Forestland Ha	Low fertility land	Wasteland	Productiv Forest (ha)
698-407-196-1	66.7	24.5	3.6	5.6	33.8



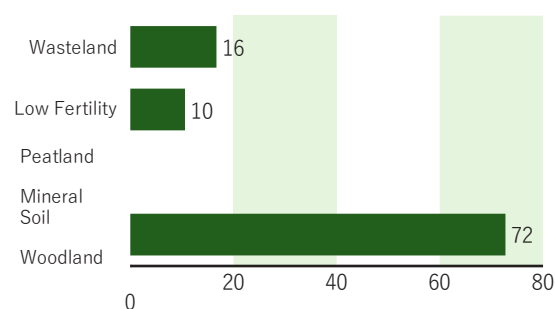
Basic Forest Information

FOREST LAND HABITATS (ha)



These are fertility classes, CIT worst, OmaT best

FOREST PARENT GROUPDIST - FORESTRY LAND (%)



Woodland

Tree growth Over 1 m³/ha/year

Low fertility

Tree growth Over 0.1 m³/ha/year

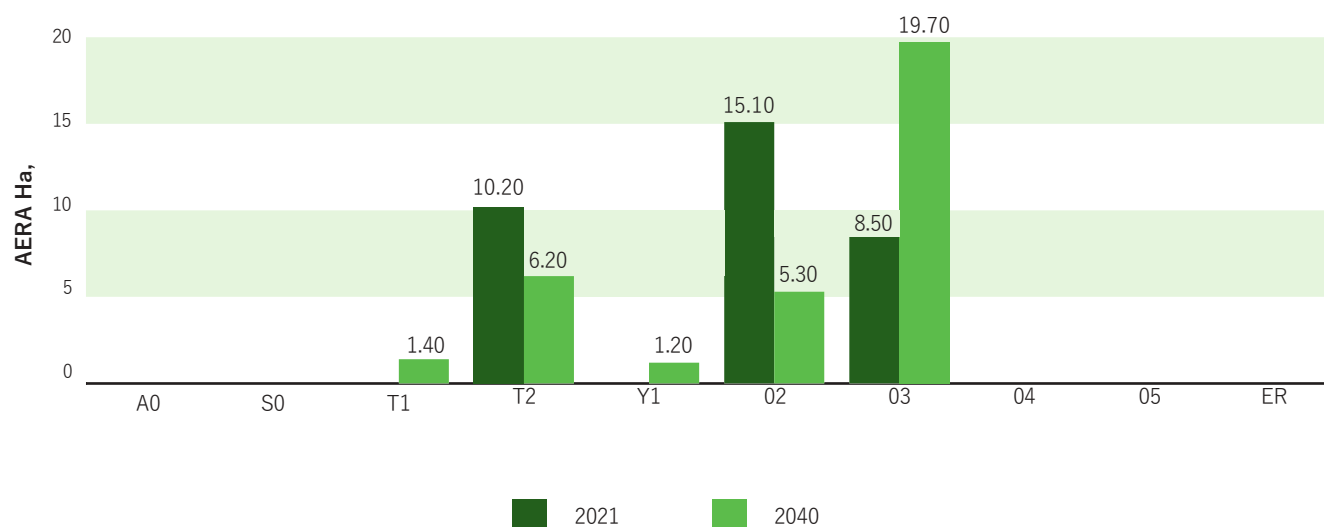
Wasteland

Tree growth below 0.1 m³/ha/year

FORESTLAND Habitats	Mineralsoil (ha)	Peatlands (ha)	TOTAL (ha)
OMaT	0.00	0.00	0.00
OMT	0.00	0.00	0.00
MT	1.85	0.00	1.85
VT	16.28	0.00	16.28
CT	6.40	0.00	6.40
CIT	0.00	0.00	0.00
FORESTLAND TOTAL	24.53	0.00	24.53

CATEGORIES OF DEVELOPMENT

DEVELOPMENT CATEGORY DISTRIBUTION AT THE BEGINNING AND END OF THE PLAN



A0

Open

S0

Seed tree forest

T1

Seedlings less 1,3 m

T2

Saplings above 1,3 m

Y1

02

Young breeding forest

03

Older breeding forest

04

Mature forest

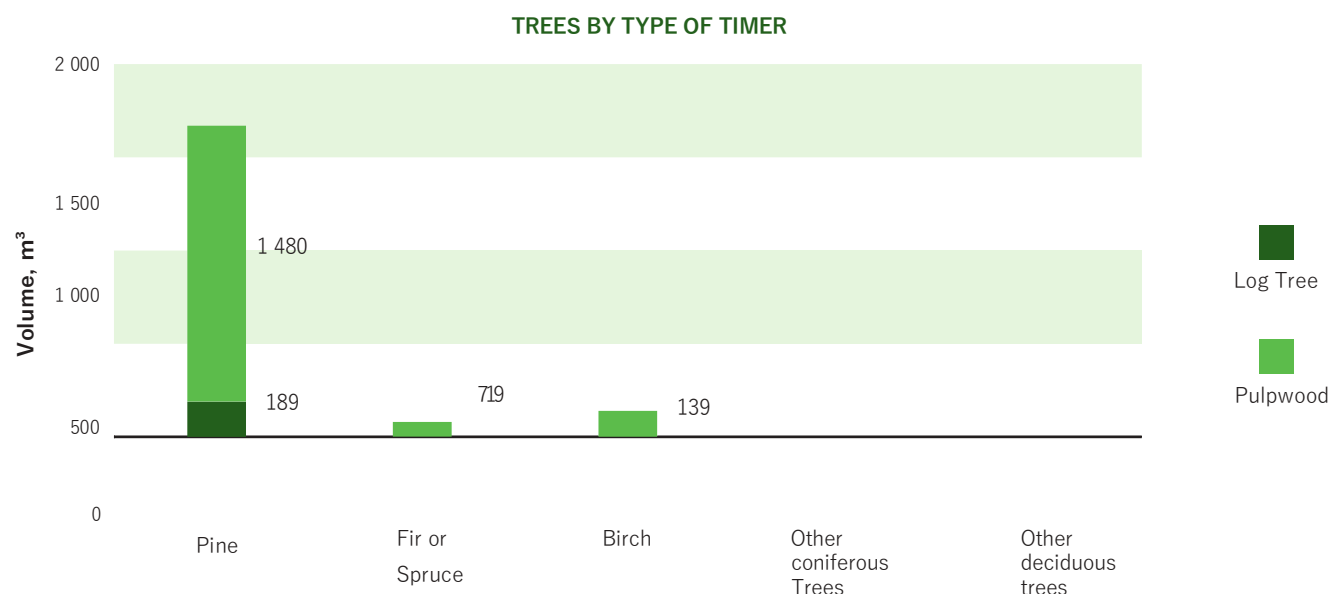
05

Cover tree forest

ER

Forest of different Ages

TREES AND CARBON STORAGE



TREES VOLUME AND DEVELOPMENT FORECAST

	Current Forest	2026	2031	2036	2041
Logs, m³	189	286	459	678	803
Fiber, m³	1698	1716	1899	1887	1778
Other stem wood, m³	193	164	154	136	120
TOTAL m³	2080	2166	2511	2702	2700
AVERAGE m³/ha	62	64	74	80	80

Total volume of forest in 2021 was 2080 m³

CARBON STORAGE OF TREES AND SOIL

	Contemporary trees	2026	2031	2036	2041
Wood carbon storage, t CO ₂	2816	3250	3492	3627	3600
Soil carbon stock, t CO ₂	23952	24423	24816	25103	25253
TOTAL t CO ₂	26768	27673	28308	28729	28853

GROWTH IN PRODUCTIVE FOREST

	Contemporary trees	2026	2031	2036	2041
Average growth, m³/ha/v	2.9	2.9	2.8	2.7	2.4
Total Growth, m³/v	99	98	94	90	82

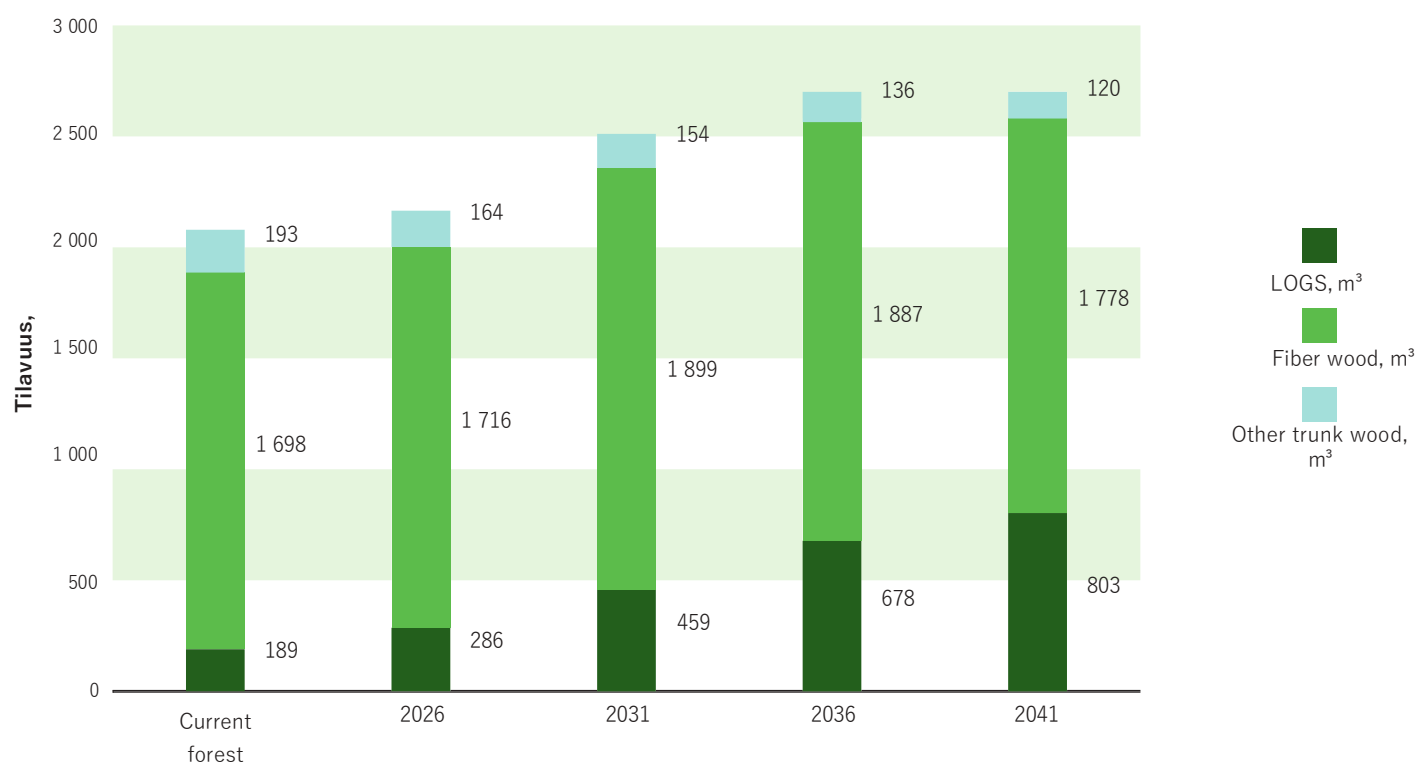
TREES AND CARBON STORAGE

TOTAL VALUE AND GROWTH OF TREES IN FORESTRY LAND

	Contemporary trees	2026	2031	2036	2041
Tree value, €	40253	43923	56685	68078	72435
Increase in the value , of trees €/v	2122	2739	3664	4538	4049
Average value of trees, %	5.3	6.2	6.5	6.7	5.6

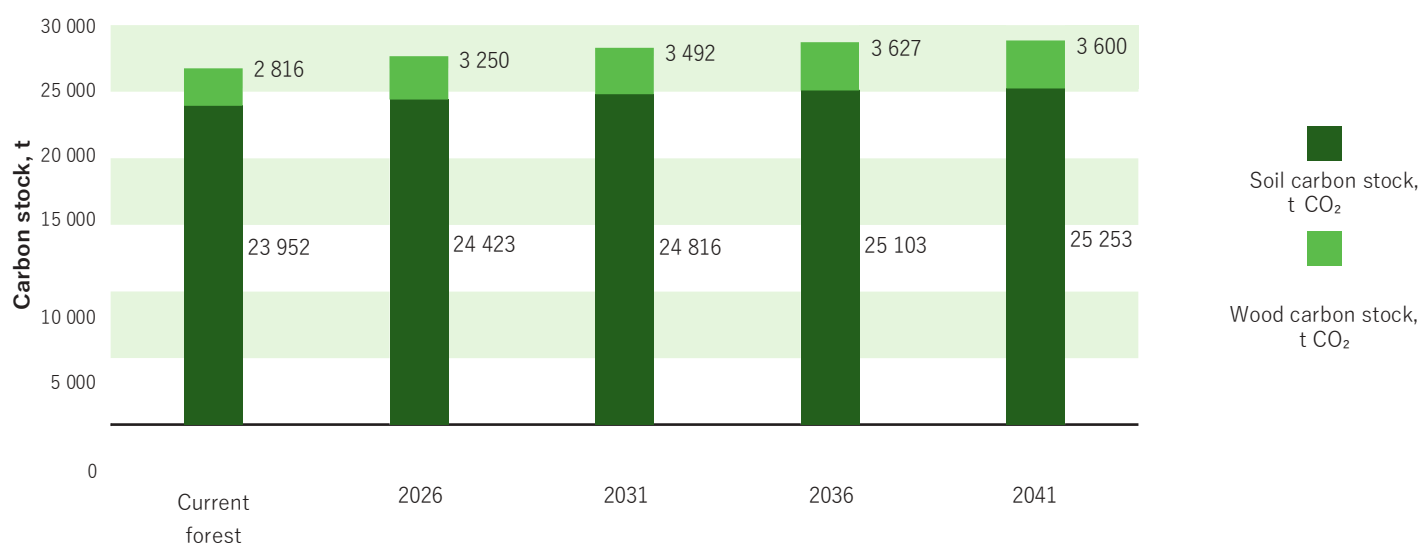
Note: The total value of the Trees is not the same as the value of the forest farm (holding), but it describes the felling (timber) value of the Trees

FOREST VOLUME DEVELOPMENT FORECAST



TREES AND CARBON STORAGE

DEVELOPMENT OF CARBON STOCK IN TREES AND SOIL



An average long-haul flight from Helsinki to New York produces 350 kg of CO₂ per person (ICAO carbon emission calculator)

DEAD AND/OR FALLEN TREES IN FOREST

Stand Number	Number of dead trees	Volume, m ³
10	611	5.0
18	156	0.9
21	154	2.4
9	150	1.0
3	47	1.6
1	46	0.6
8	39	1.0
16	32	0.4
12	23	0.5
2	22	0.5
15	21	0.7
23	16	0.4
20	11	0.6
24	10	0.2
22	9	0.3
25	9	0.8
6	8	0.2
17	8	0.3
19	4	0.1
5	4	0.1
4	3	0.1
14	3	0.1
26	2	0.0
27	2	0.1
7	2	0.0
28	1	0.2
TOTAL	1393	17.9

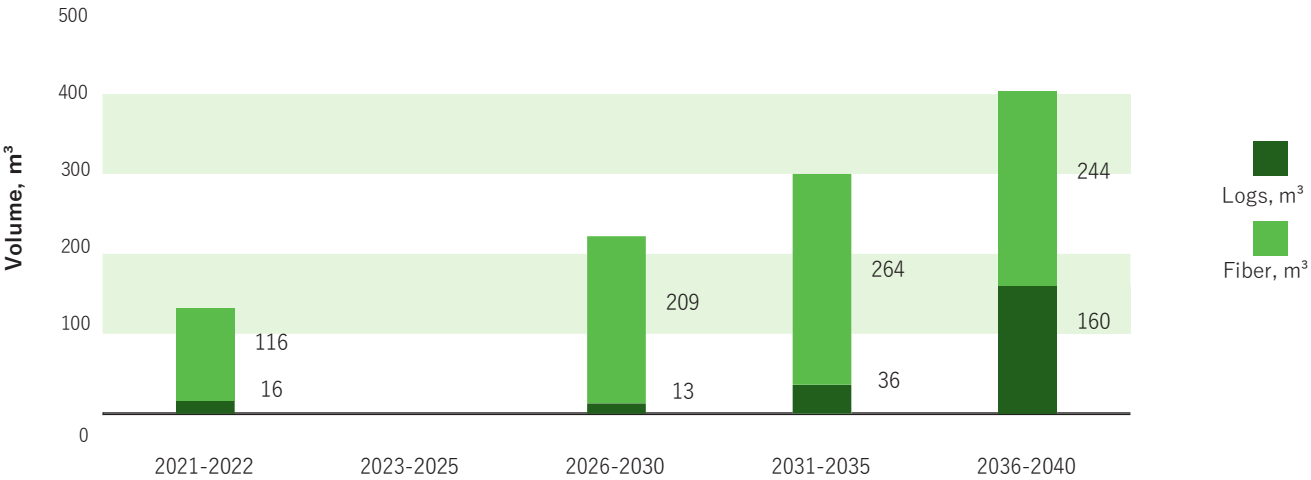


Logging

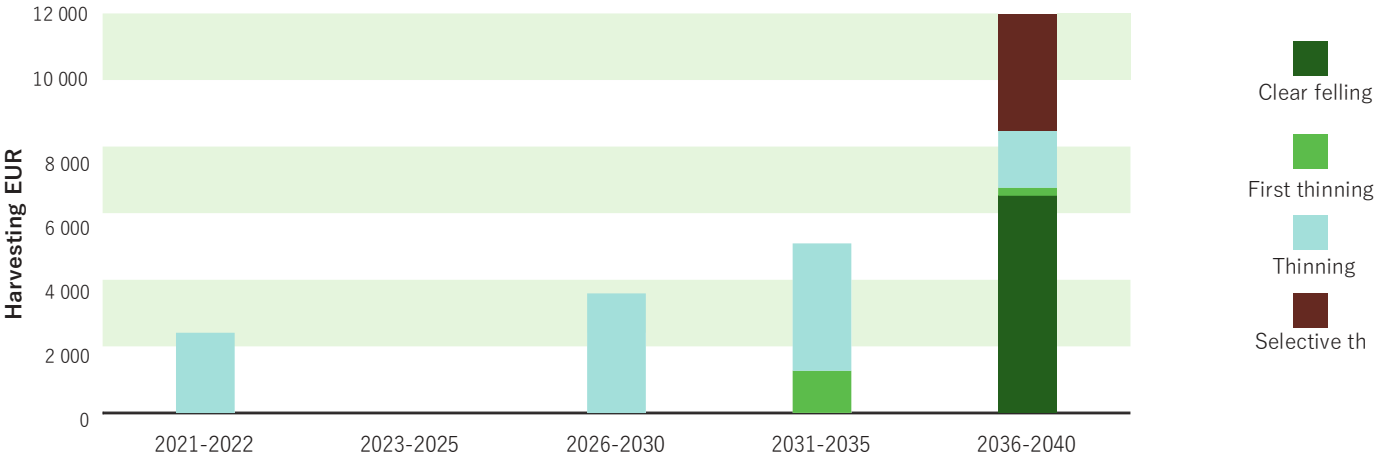
AREAS OF LOGGING (Ha)

Method of felling	2021-2022	2023-2025	2026-2030	2031-2035	2036-2040
Clear felling					1.38
First thinning				2.15	0.50
Thinning	3.10		5.97	6.72	2.72
Selective thinning					1.23
TOTAL	3.10	0.00	5.97	8.88	5.83

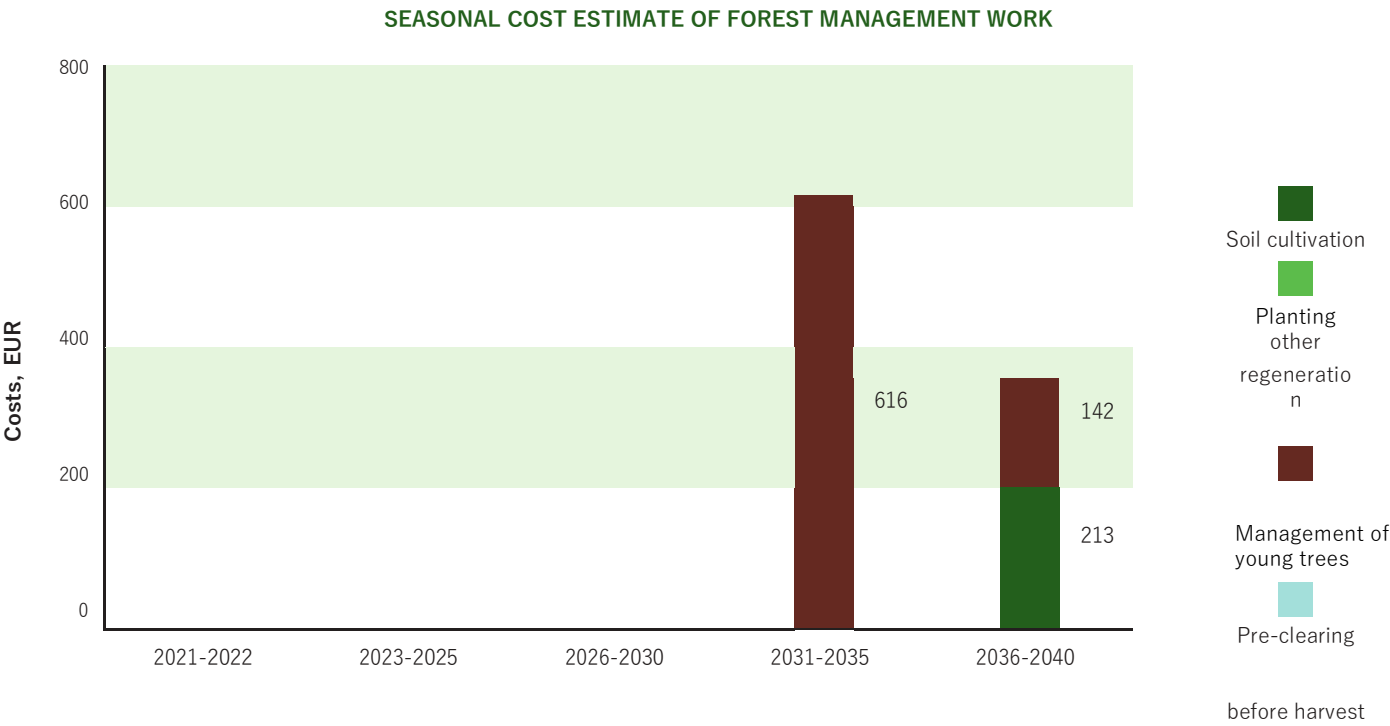
HARVEST VOLUMES BY SEASON



HARVESTING INCOME BY SEASON



FOREST MANAGEMENT WORK



STAND MAP

STAND MAP 698-407-196-1

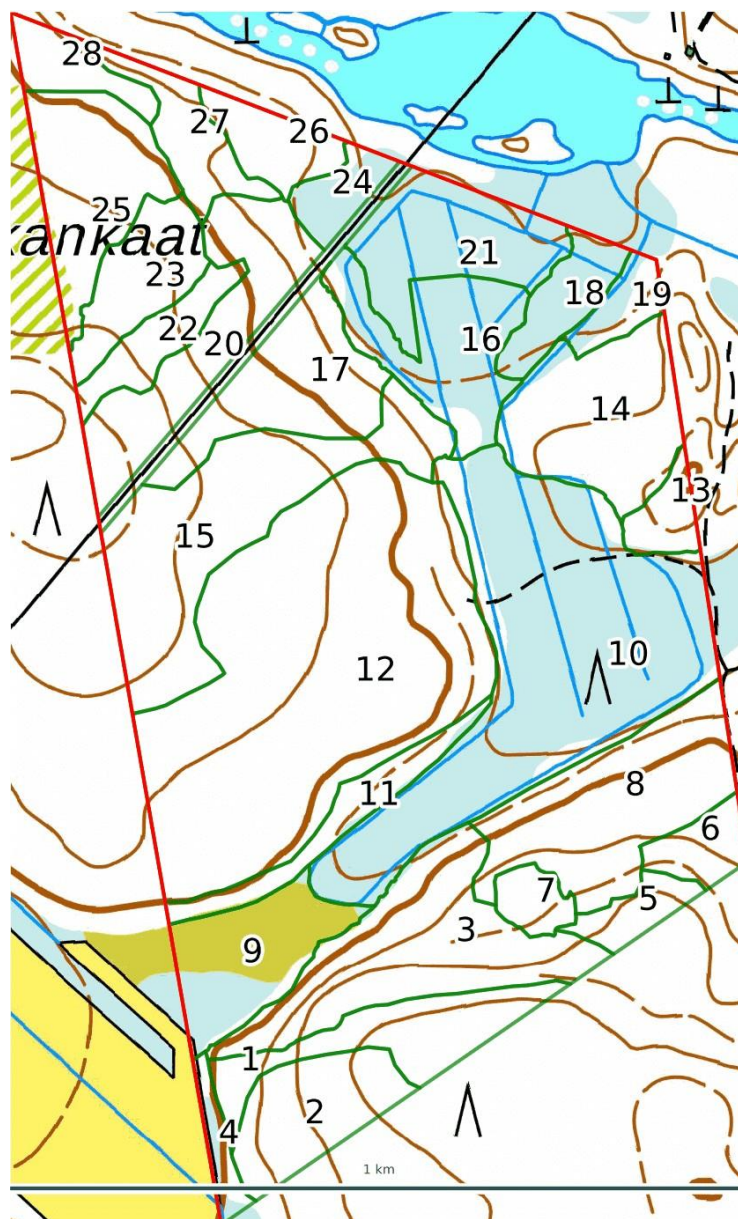


FIGURE 1, 698-407-196-1

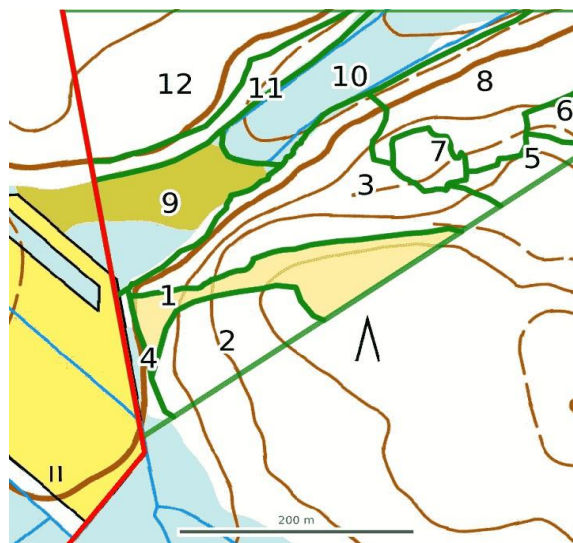
AERA (ha)	0.99
Main Group	Woodland
Habitat	CT
Soil type	Medium carbon moraine
Development category	Young breeding forest

DEAD TREES

Trees, p/st	Volume, m ³
46	0.6

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood Carbon	44	44
Soil Carbon	136	137



TREE INFORMATION

Tree Type	Volume m ³ /stand	Volume, m ³ /ha	Logs, m ³ /ha	Fiber, m ³ /ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area m ² /ha	Growth, m ³ /ha
Pine	33	33	0	30	11.7	8.0	872	7.5	2.2
Spruce/Fir	0	0	0	0	10.3	7.3	16	0.1	0.0
Birch	0	0	0	0	7.0	5.3	30	0.1	0.1
TOTAL	33	34	0	30					2.2

FIGURE 2, 698-407-196-1

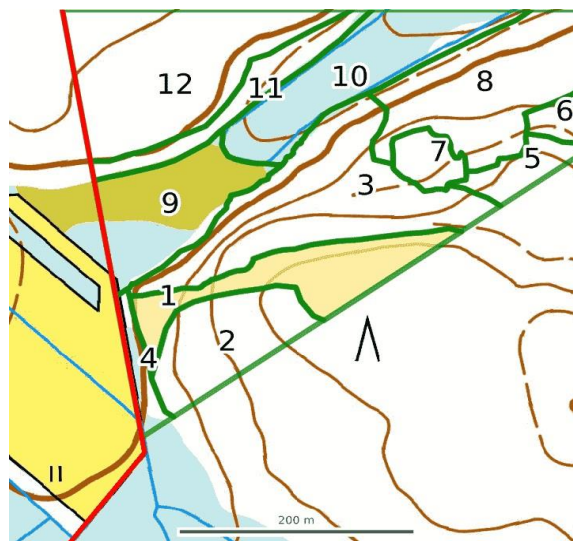
AERA (ha)	0.98
Main Group	Woodland
Habitat	CT
Soil type	Medium carbon moraine
Development category	Young breeding forest

DEAD TREES

Trees, p/st	Volume, m ³
22	0.5

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood Carbon	76	78
Soil Carbon	136	139



TREE INFORMATION

Tree Type	Volume m ³ /stand	Volume, m ³ /ha	Logs, m ³ /ha	Fiber, m ³ /ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	53	54	0	51	13.2	8.8	1050	11.6	2.5
Spruce/Fir	2	3	0	2	13.1	9.2	54	0.5	0.1
Birch	1	1	0	1	7.7	6.0	69	0.3	0.0
TOTAL	56	58	0	54					2.6

LOGGING, m³

Method of harvesting	Year of Harvest	Harvest	MāT	KuT	KoT	MuuT	MāK	KuK	KoK
Thinning /Harvesting	2034	2	1				28	1	0

MāT – Pine Logs KuT – Spruce Logs KoT – Birch Logs, MuuT – Other Logs, MāK – Pine Fibre, KuK – Wood Fibre, KoK – Birch Fibre
Harvestability classes: 1 Damaged; 2 Normal summer, mineral soil; 3 Dry summer, mineral soil; 4 Normal summer, Peatland; 5 Dry summer, Peatland; 6 Winter

Figure 3, 698-407-196-1

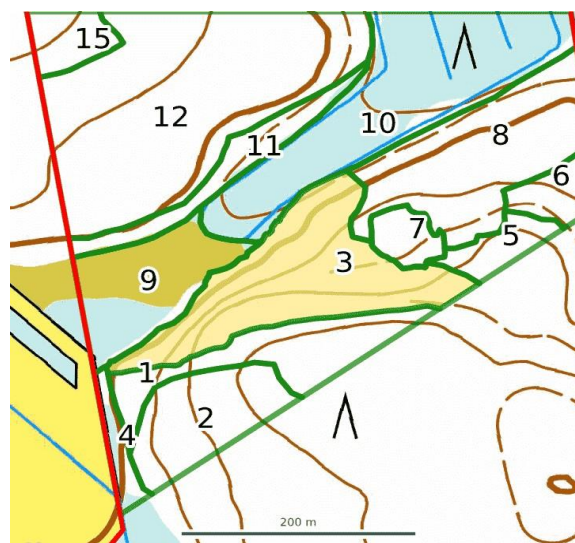
Area (ha)	2.01
Main group	Woodland
Habitat	VT
Soil type	Medium carbon moraine
Development category	Young breeding forest

DEAD TREES

Trees, p/st	VOLUME, m ³
47	1.6

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	228	114
Soil carbon	370	184



TREE INFORMATION

Wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	177	88	13	72	16.2	11.5	940	14.9	3.7
Spruce/Fir	2	1	0	1	13.7	10.8	19	0.2	0.0
TOTAL	179	89	13	72					3.7

LOGGING, m³

Method of harvesting	Year of Harvest	Harvest	MāT	KuT	KoT	MuuT	MāK	KuK	KoK
Thinning /Harvesting	2032	2	10				53	0	

MāT – Pine Logs KuT – Spruce Logs KoT – Birch Logs, MuuT – Other Logs, MāK – Pine Fibre, KuK – Wood Fibre, KoK – Birch Fibre
Harvestability classes: 1 Damaged; 2 Normal summer, mineral soil; 3 Dry summer, mineral soil; 4 Normal summer, Peatland; 5 Dry summer, Peatland; 6 Winter

Figure 4, 698-407-196-1

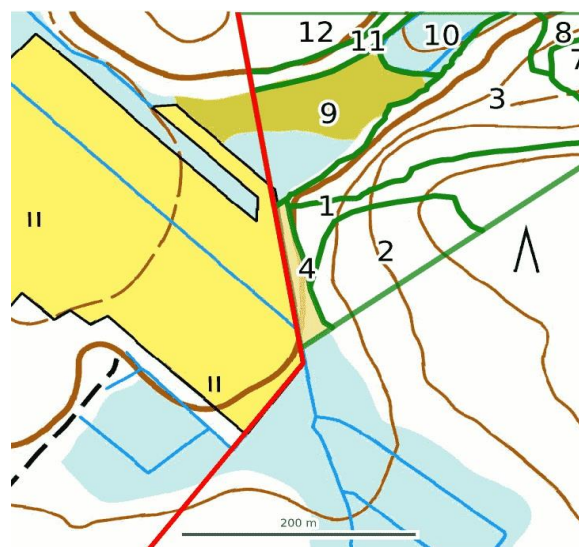
Area (ha)	0.23
Main Group	Scrubland
Habitat	VT
Soil Type	Medium rough moraine
Development category	Seedling, over 1.3 m

DEAD TREES

Trees, p/st	Volume, m ³
3	0.1

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood Carbon	11	47
Soil Carbon	42	184



TREE INFORMATION

Wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	5	23	0	18	9.7	6.4	1069	6.2	0.7
Spruce/Fir	1	4	0	1	7.0	4.6	378	1.4	0.2
Birch	1	3	0	0	6.2	4.9	348	1.0	0.1
Total	7	30	0	19					1.0

Figure 5, 698-407-196-1

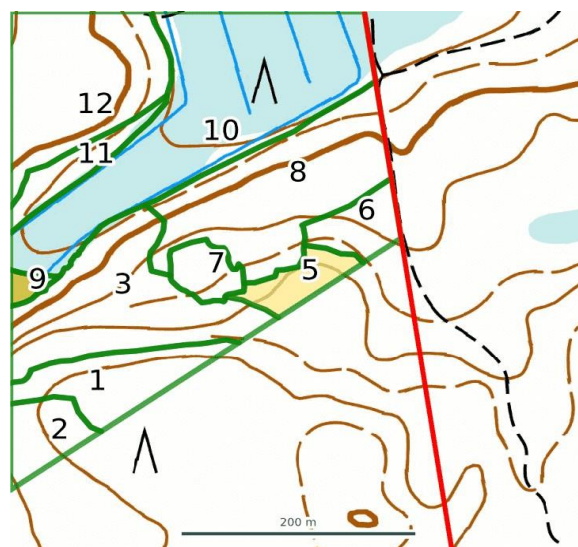
Aera (ha)	0.32
Main Group	Woodland
Habitat	VT
Soil Type	Medium rough moraine
Development category	Young growing forest

DEAD TREES

Trees, p/st	Volume, m ³
4	0.1

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	18	56
Soil carbon	58	181



TREE INFORMATION

Wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	14	44	1	40	14.8	10.0	689	8.3	3.4
Spruce/Fir	0	1	0	1	14.8	11.4	19	0.2	0.1
TOTAL	14	45	1	42					3.5

Figure 6, 698-407-196-1

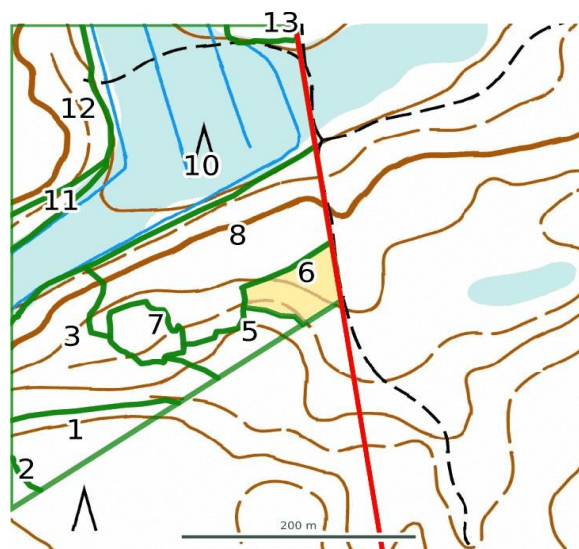
Aera (ha)	0.36
Main Group	Woodland
Habitat	CT
Soil Type	Medium rough moraine
Development category	Young growing forest

DEAD TREES

Trees, p/st	Volume, m ³
8	0.2

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	27	74
Soil carbon	50	138



TREE INFORMATION

Wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	18	49	3	43	14.0	9.4	832	9.8	2.2
Spruce/Fir	1	3	0	3	13.9	9.6	58	0.7	0.1
Birch	1	2	0	1	8.8	6.4	97	0.5	0.1
TOTAL	19	54	3	47					2.4

FIGURE 7, 698-407-196-1

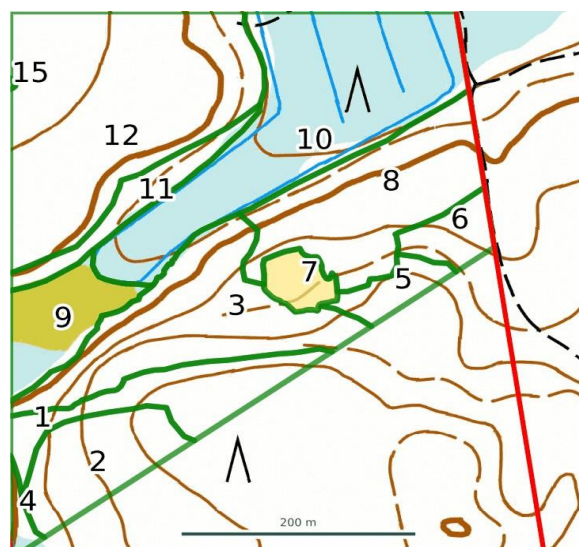
Area (ha)	0.27
Main Group	Woodland
Habitat	VT
Soil type	Sand
Development category	Young growing forest

DEAD TREES

Trees, p/st	Volume, m ³
2	0.0

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	23	86
Soil carbon	49	185



TREE INFORMATION

Wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	14	53	4	45	14.4	9.7	898	10.4	2.9
Spruce/Fir	1	5	0	5	12.8	9.1	124	1.1	0.3
Birch	1	4	0	2	8.2	6.4	233	1.0	0.3
Total	16	62	4	53					3.5

LOGGING m³

Method of harvesting	Year of Harvest	Harvest	MäT	KuT	KoT	MuuT	MäK	KuK	KoK
Thinning /Harvesting	2039	2	1	0			7	0	1

MäT – Pine Logs KuT – Spruce Logs KoT – Birch Logs, MuuT – Other Logs, MäK – Pine Fibre, KuK – Wood Fibre, KoK – Birch Fibre
 Harvestability classes: 1 Damaged; 2 Normal summer, mineral soil; 3 Dry summer, mineral soil; 4 Normal summer, Peatland; 5 Dry summer, Peatland; 6 Winter

FIGURE 8, 698-407-196-1

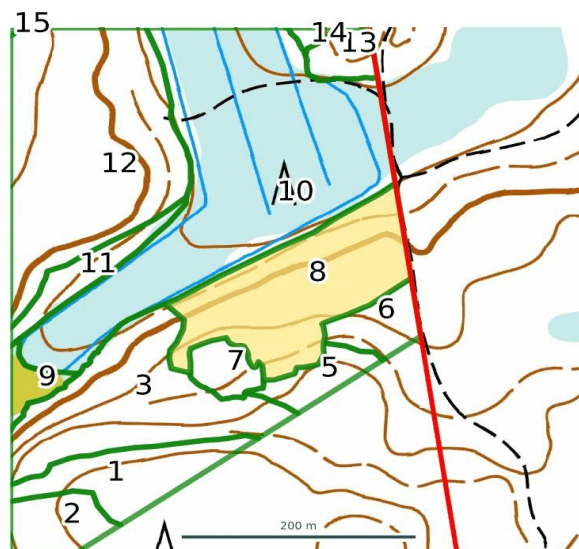
Area (ha)	1.88
Main Group	Woodland
Habitat	VT
Soil type	Medium rough moraine
Development category	Young growing forest

DEAD TREES

Trees, p/st	Volume, m ³
39	1.0

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	168	90
Soil carbon	347	185



TREE INFORMATION

Wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	117	62	4	54	14.8	10.1	906	11.8	3.2
Spruce/Fir	7	3	0	3	13.4	9.6	73	0.7	0.2
Birch	1	1	0	1	9.0	7.0	43	0.2	0.0
Total	125	67	4	58					3.5

LOGGING, m³

Method of harvesting	Year of Harvest	Harvest	MāT	KuT	KoT	MuuT	MāK	KuK	KoK
Thinning/ harvesting	2037	2	9	0			50	1	1

MāT – Pine Logs KuT – Spruce Logs KoT – Birch Logs, MuuT – Other Logs, MāK – Pine Fibre, KuK – Wood Fibre, KoK – Birch Fibre
Harvestability classes: 1 Damaged; 2 Normal summer, mineral soil; 3 Dry summer, mineral soil; 4 Normal summer, Peatland; 5 Dry summer, Peatland; 6 Winter

Figure 9, 698-407-196-1

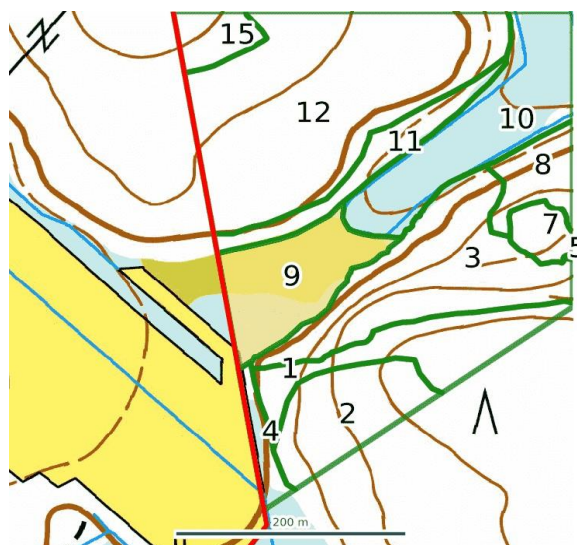
Aera (ha)	1.10
Main group	Wasteland
Habitat	CT
Soil type	Organic peatland
Development category	Seedlings over 1.3 m

DEAD TREES

Trees, p/st	Volume, m ³
150	1.0

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	0	0
Soil carbon	2383	2171



TREE INFORMATION

Wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	1	1	0	0	4.4	3.3	607	0.6	0.2
Spruce/Fir	0	0	0	0	3.3	1.9	186	0.2	0.1
Birch	0	0	0	0	2.4	2.2	209	0.1	0.1
Total	2	2	0	0					0.4

FIGURE 10, 698-407-196-1

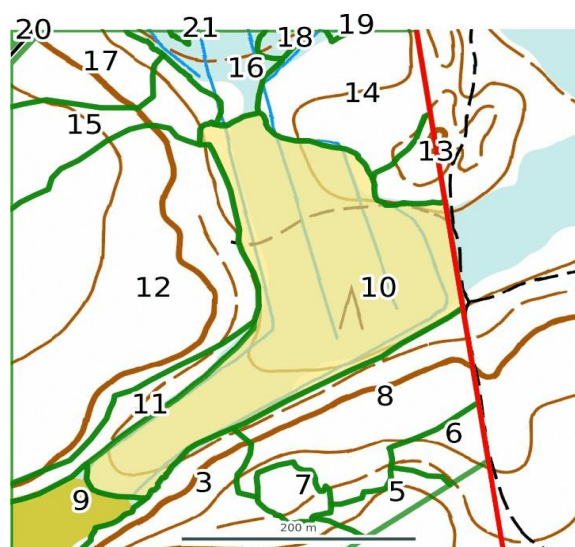
Area (ha)	4.54
Main group	Swanland
Habitat	CT
Soil type	Organic Peatland
Development category	Seedlings over 1.3 m

DEAD TREES

Trees, p/st	Volume, m ³
611	5.0

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	71	16
Soil carbon	9847	2171



TREE INFORMATION

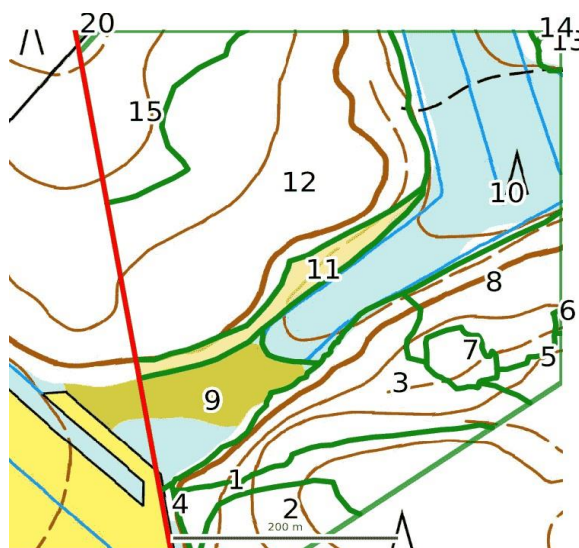
Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	29	6	0	0	6.0	4.5	808	2.1	0.1
Spruce/Fir	18	4	0	0	6.0	4.8	501	1.3	0.1
Birch	3	1	0	0	4.9	2.7	195	0.4	0.4
TOTAL	50	11	0	0					0.7

FIGURE 11, 698-407-196-1

Area (ha)	0.58
Main group	Woodland
Habitat	VT
Soil type	SAND
Development category	Young growing forest

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	36	63
Soil carbon	106	184



TREE INFORMATION

Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	20	34	0	31	12.6	8.7	718	7.3	3.0
Spruce/Fir	4	7	0	5	9.1	6.6	379	2.1	0.6
Birch	1	3	0	2	10.3	7.3	108	0.7	0.2
Total	25	44	0	38					3.8

HARVEST, m³

Method of harvesting	Year of Harvest	Harvest	MāT	KuT	KoT	MuuT	MāK	KuK	KoK
Thinning / harvesting	2040	2	2				12	1	7

MāT – Pine Logs KuT – Spruce Logs KoT – Birch Logs, MuuT – Other Logs, MāK – Pine Fibre, KuK – Wood Fibre, KoK – Birch Fibre
Harvestability classes: 1 Damaged; 2 Normal summer, mineral soil; 3 Dry summer, mineral soil; 4 Normal summer, Peatland; 5 Dry summer, Peatland; 6 Winter

FIGURE 12, 698-407-196-1

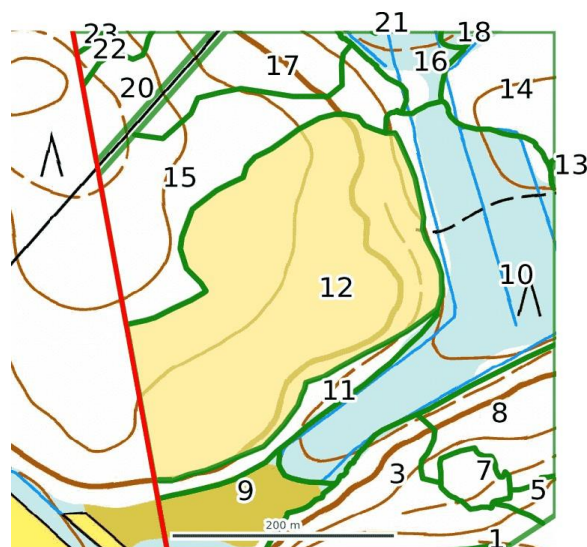
Area (ha)	5.97
Main Group	Woodland
Habitat	VT
Soil type	SAND
Development category	Young growing forest

DEAD TREES

Trees, p/st	Volume, m ³
23	0.5

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	662	111
Soil carbon	1112	186



TREE INFORMATION

Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	444	74	2	69	14.7	9.6	1080	14.8	4.5
Spruce/Fir	24	4	0	3	10.5	8.4	126	1.0	0.2
Birch	16	3	0	2	13.0	8.9	63	0.6	0.1
TOTAL	484	81	2	75					4.8

HARVEST, m³

Method of harvesting	Year of Harvest	Harvest	MāT	KuT	KoT	MuuT	MāK	KuK	KoK
Thinning / harvesting	2026	2	13				195	3	11

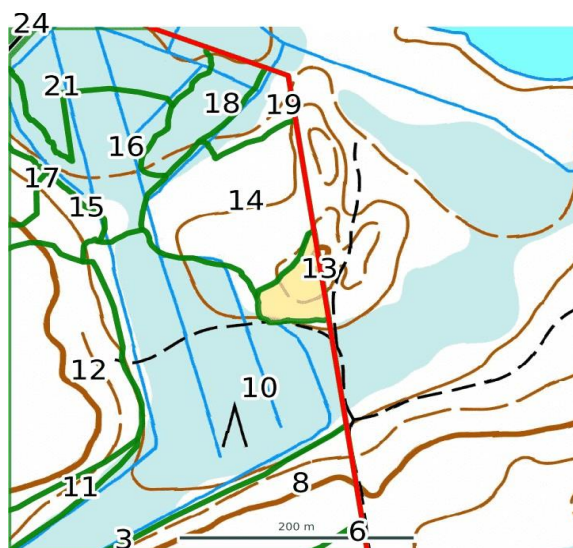
MāT – Pine Logs KuT – Spruce Logs KoT – Birch Logs, MuuT – Other Logs, MāK – Pine Fibre, KuK – Wood Fibre, KoK – Birch Fibre
Harvestability classes: 1 Damaged; 2 Normal summer, mineral soil; 3 Dry summer, mineral soil; 4 Normal summer, Peatland; 5 Dry summer, Peatland; 6 Winter

FIGURE 13, 698-407-196-1

Area (ha)	0.30
Main group	Woodland
Habitat	VT
Soil type	SAND
Development category	Young growing forest

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	42	140
Soil carbon	56	186



TREE INFORMATION

Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	25	82	12	67	16.7	11.1	889	14.4	3.0
Spruce/Fir	3	12	0	10	9.2	7.5	468	3.0	0.5
Birch	2	8	0	7	12.5	8.5	176	1.8	0.3
TOTAL	31	102	12	83					3.8

HARVEST, m³

Method of harvesting	Year of Harvest	Harvest	MāT	KuT	KoT	MuuT	MāK	KuK	KoK
Pruning / Green Harvesting	2031	2	2				6	1	3

MāT – Pine Logs KuT – Spruce Logs KoT – Birch Logs, MuuT – Other Logs, MāK – Pine Fibre, KuK – Wood Fibre, KoK – Birch Fibre
Harvestability classes: 1 Damaged; 2 Normal summer, mineral soil; 3 Dry summer, mineral soil; 4 Normal summer, Peatland; 5 Dry summer, Peatland; 6 Winter

FORESTRY WORK

Type of work	Proposed year	Area, Ha	Estimated cost
Preview	2031	0.30	-86

FIGURE 14, 698-407-196-1

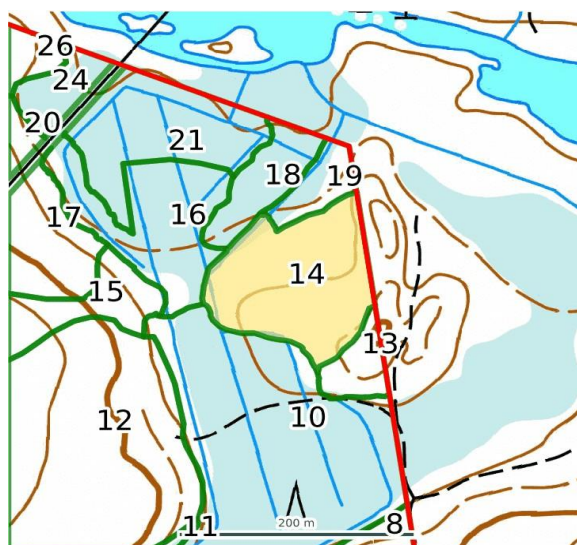
Area (ha)	1.54
Main group	Woodland
Habitat	MT
Soil type	SAND
Development category	Young growing forest

DEAD TREES

Trees, p/st	Volume, m ³
3	0.1

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	204	132
Soil carbon	395	256



TREE INFORMATION

Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	62	40	3	35	15.4	9.9	541	7.7	2.8
Spruce/Fir	52	34	0	31	12.7	9.4	767	7.5	2.0
Birch	20	13	0	12	13.8	9.1	224	2.8	0.6
TOTAL	133	86	3	77					5.4

HARVEST, m³

Method of harvesting	Year of Harvest	Harvest	MāT	KuT	KoT	MuuT	MāK	KuK	KoK
Thinning / harvesting	2031	2	6				24	5	29

MāT – Pine Logs KuT – Spruce Logs KoT – Birch Logs, MuuT – Other Logs, MāK – Pine Fibre, KuK – Wood Fibre, KoK – Birch Fibre
Harvestability classes: 1 Damaged; 2 Normal summer, mineral soil; 3 Dry summer, mineral soil; 4 Normal summer, Peatland; 5 Dry summer, Peatland; 6 Winter

FORESTRY WORK

Type of work	Proposed year	Area, Ha	Estimated cost
Preview	2031	1.54	-441

FIGURE 15, 698-407-196-1

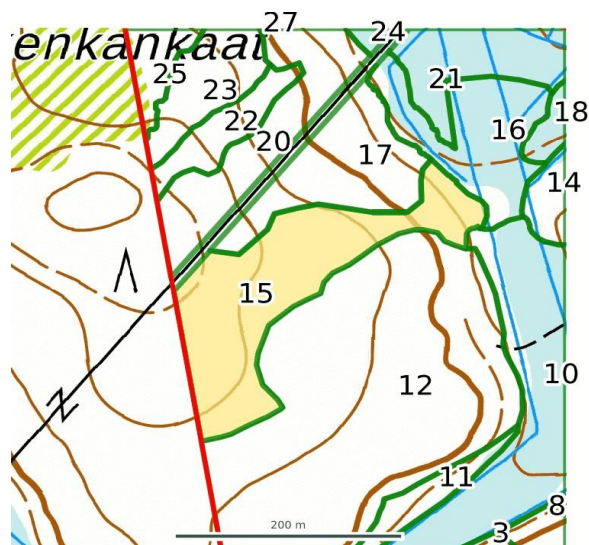
Area (ha)	2.35
Main group	Woodland
Habitat	CT
Soil type	SAND
Development category	Mature growth forest

DEAD TREES

Trees, p/st	Volume, m ³
21	0.7

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	252	107
Soil carbon	328	139



TREE INFORMATION

Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	192	82	13	66	16.6	11.7	802	13.6	2.5
Spruce/Fir	4	2	0	1	14.7	10.4	20	0.3	0.0
Birch	2	1	0	1	11.7	9.8	17	0.1	0.0
TOTAL	197	84	13	68					2.6

HARVEST, m³

Method of harvesting	Year of Harvest	Harvest	MäT	KuT	KoT	MuuT	MäK	KuK	KoK
Thinning / harvesting	2034	2	10	0			62	0	0

MäT – Pine Logs KuT – Spruce Logs KoT – Birch Logs, MuuT – Other Logs, MäK – Pine Fibre, KuK – Wood Fibre, KoK – Birch Fibre
Harvestability classes: 1 Damaged; 2 Normal summer, mineral soil; 3 Dry summer, mineral soil; 4 Normal summer, Peatland; 5 Dry summer, Peatland; 6 Winter

Figure 16, 698-407-196-1

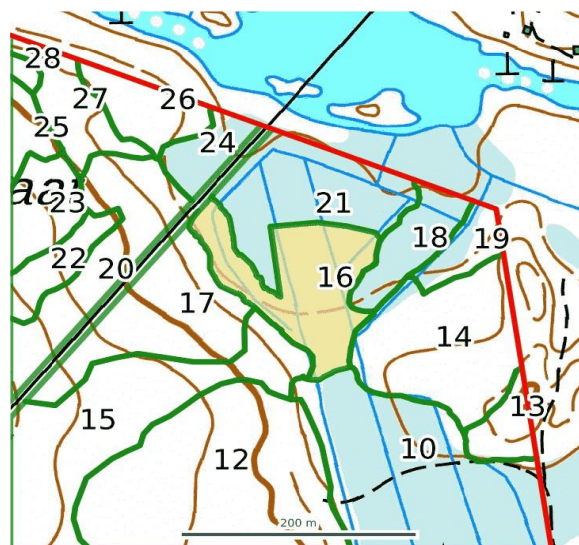
Area (ha)	1.25
Main group	Scrubland
Habitat	MT
Soil type	Organic peatland
Development category	Seedlings over 1.3 m

DEAD TREES

Trees, p/st	Volume, m ³
32	0.4

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	114	92
Soil carbon	2713	2171



TREE INFORMATION

Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	37	30	0	25	10.9	6.6	1193	8.3	0.9
Spruce/Fir	22	18	0	16	11.3	7.6	523	4.3	0.3
Birch	8	6	0	5	11.5	6.1	231	1.8	0.2
TOTAL	67	54	0	45					1.4

FIGURE 17, 698-407-196-1

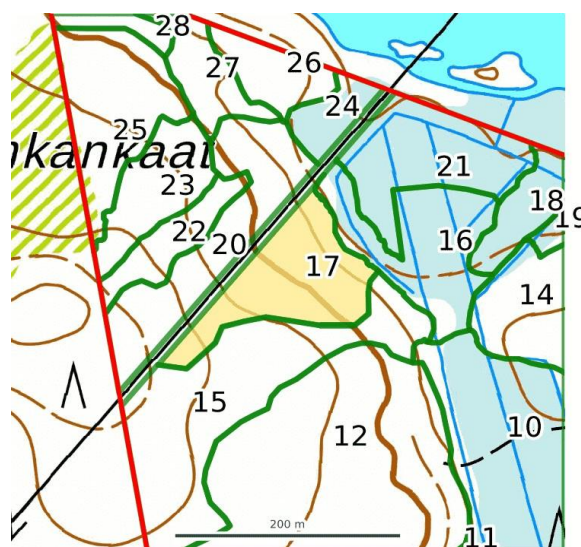
Area (ha)	1.23
Main group	Woodland
Habitat	CT
Soil type	SAND
Development category	Mature growing forest

DEAD TREES

Trees, p/st	Volume, m ³
8	0.3

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	169	137
Soil carbon	173	140



TREE INFORMATION

Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	129	105	19	82	17.7	12.5	835	16.5	2.6
Spruce/Fir	3	3	1	2	16.1	11.3	37	0.5	0.1
Birch	1	1	0	1	10.4	8.0	38	0.3	0.0
Total	134	109	20	85					2.7

HARVEST, m³

Method of harvesting	Year of Harvest	Harvest	MäT	KuT	KoT	MuuT	MäK	KuK	KoK
Thinning/Clear cutting	2022	2	4	0			32	0	0
Seed wood harvesting	2037	2	46	1			58	3	1

MäT – Pine Logs KuT – Spruce Logs KoT – Birch Logs, MuuT – Other Logs, MäK – Pine Fibre, KuK – Wood Fibre, KoK – Birch Fibre
Harvestability classes: 1 Damaged; 2 Normal summer, mineral soil; 3 Dry summer, mineral soil; 4 Normal summer, Peatland; 5 Dry summer, Peatland; 6 Winter

FORESTRY WORK

Type of work	Proposed year	Area, Ha	Estimated cost
Natural regeneration	2037	1.23	0
Grazing	2037	1.23	-213

FIGURE 18, 698-407-196-1

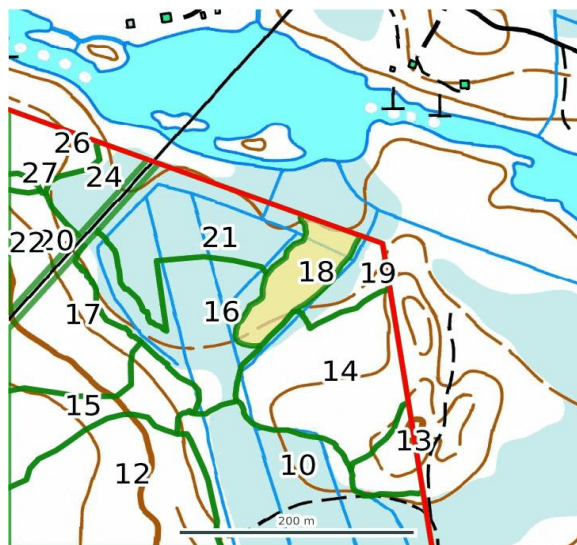
Area (ha)	0.52
Main group	Scrubland
Habitat	VT
Soil type	Organic peatland
Development category	Seedlings over 1.3 m

DEAD TREES

Trees, p/st	Volume, m ³
156	0.9

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	0	0
Soil Carbon	1129	2171



TREE INFORMATION

Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	2	4	0	0	5.6	4.1	1192	1.7	0.1
Spruce/Fir	0	1	0	0	4.9	3.6	215	0.3	0.6
Birch	0	0	0	0	3.0	2.0	85	0.0	0.1
TOTAL	3	5	0	0					0.7

Figure 19, 698-407-196-1

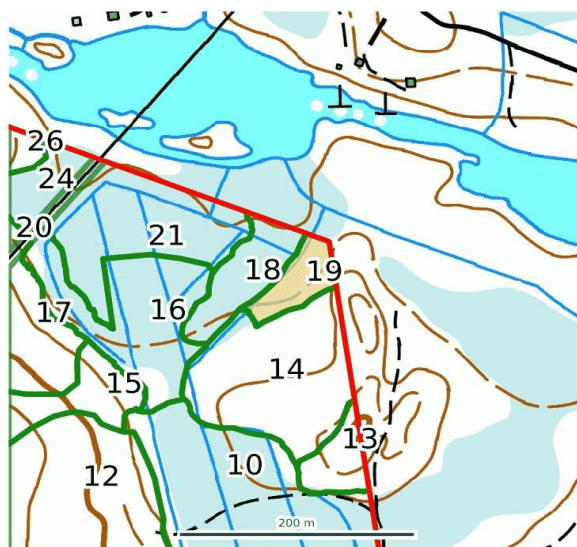
Area (ha)	0.31
Main group	Woodland
Habitat	MT
Soil type	SAND
Development category	Young growing forest

DEAD TREES

Trees pcs	Volume, m ³
4	0.1

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	35	114
Soil carbon	79	255



TREE INFORMATION

Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	16	52	3	45	14.4	9.8	890	10.1	4.2
Spruce/Fir	6	19	0	16	9.8	7.8	689	4.8	1.3
Birch	2	8	0	7	11.2	7.6	239	1.9	0.4
TOTAL	24	78	3	67					5.9

HARVEST, m³

Method of harvesting	Year of Harvest	Harvest	MāT	KuT	KoT	MuuT	MāK	KuK	KoK
Thinning / harvesting	2031	2	2				7	1	5

MāT – Pine Logs KuT – Spruce Logs KoT – Birch Logs, MuuT – Other Logs, MāK – Pine Fibre, KuK – Wood Fibre, KoK – Birch Fibre
Harvestability classes: 1 Damaged; 2 Normal summer, mineral soil; 3 Dry summer, mineral soil; 4 Normal summer, Peatland; 5 Dry summer, Peatland; 6 Winter

FORESTRY WORK

Type of work	Proposed year	Area, Ha	Estimated cost
Pre-Clearing	2031	0.31	-88

KUVIO 20, 698-407-196-1

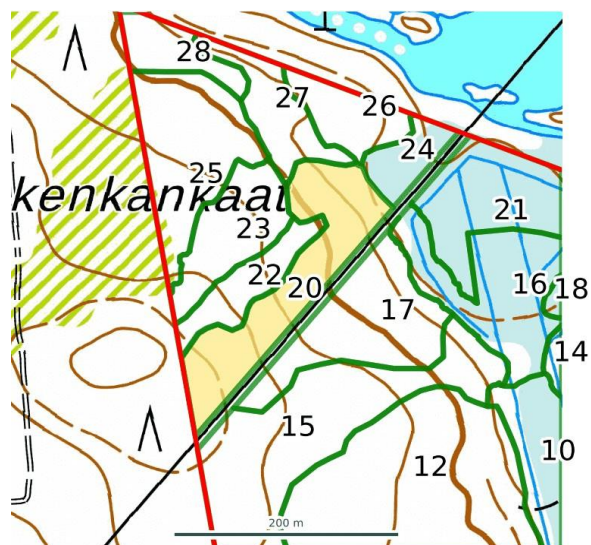
Area (ha)	1.38
Main group	Woodland
Habitat	VT
Soil type	SAND
Development category	Mature growth forest

DEAD TREES

Trees pcs	Volume, m ³
11	0.6

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	254	184
Soil carbon	259	188



TREE INFORMATION

Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	202	146	36	107	18.1	13.0	1045	22.2	4.0
Spruce/FIR	2	1	0	1	14.3	11.1	21	0.2	0.0
Birch	0	0	0	0	9.6	8.2	13	0.1	0.0
Total	204	148	36	108					4.0

HARVEST, m³

Method of harvesting	Year of Harvest	Harvest	MäT	KuT	KoT	MuuT	MäK	KuK	KoK
Thinning	2022	2	10				65	0	0
Clear cutting	2037	2	99	0			80	2	0

MäT – Pine Logs KuT – Spruce Logs KoT – Birch Logs, MuuT – Other Logs, MäK – Pine Fibre, KuK – Wood Fibre, KoK – Birch Fibre
 Harvestability classes: 1 Damaged; 2 Normal summer, mineral soil; 3 Dry summer, mineral soil; 4 Normal summer, Peatland; 5 Dry summer, Peatland; 6 Winter

FORESTRY WORK

Type of work	Proposed year	Area, Ha	Estimated cost
Grazing and machine seeding	2038	1.38	-593

FIGURE 21, 698-407-196-1

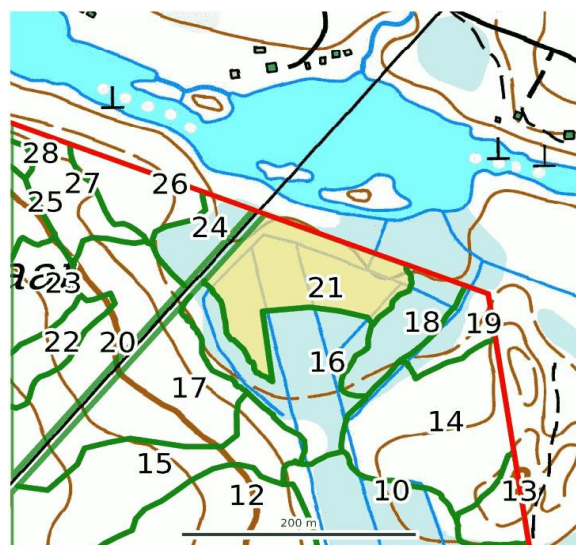
Area (ha)	1.25
Main group	Scrubland
Habitat	CT
Soil type	Organic peatland
Development category	Seedlings over 1.3 m

DEAD TREES

Trees pcs	Volume, m ³
154	2.4

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	69	55
Soil carbon	2715	2171



TREE INFORMATION

Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	20	16	0	13	10.3	5.9	737	4.7	0.5
Spruce/FIR	18	15	0	11	9.1	6.2	798	4.0	0.4
Birch	3	3	0	1	7.7	4.3	214	0.9	0.1
Total.	41	33	0	24					1.0

FIGURE 22, 698-407-196-1

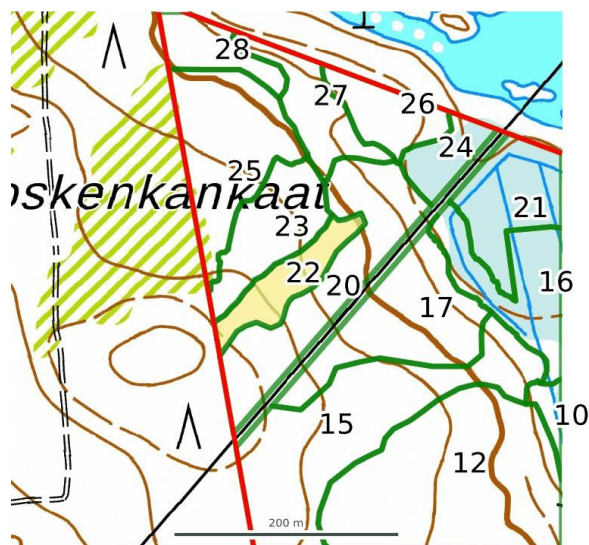
Area (ha)	0.49
Main group	Woodland
Habitat	CT
Soil type	SAND
Development category	Mature growth forest

DEAD TREES

Trees pcs	Volume, m ³
9	0.3

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	71	145
Soil carbon	68	139



TREE INFORMATION

Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	55	112	12	97	16.3	11.4	1105	19.2	3.0
Spruce/Fir	1	1	0	1	17.3	12.1	10	0.2	0.0
Total	55	113	12	97					3.0

HARVEST, m³

Method of harvesting	Year of Harvest	Harvest	MäT	KuT	KoT	MuuT	MäK	KuK	KoK
Thinning	2022	2	2	0			19	0	

MäT – Pine Logs KuT – Spruce Logs KoT – Birch Logs, MuuT – Other Logs, MäK – Pine Fibre, KuK – Wood Fibre, KoK – Birch Fibre
Harvestability classes: 1 Damaged; 2 Normal summer, mineral soil; 3 Dry summer, mineral soil; 4 Normal summer, Peatland; 5 Dry summer, Peatland; 6 Winter

FIGURE 23, 698-407-196-1

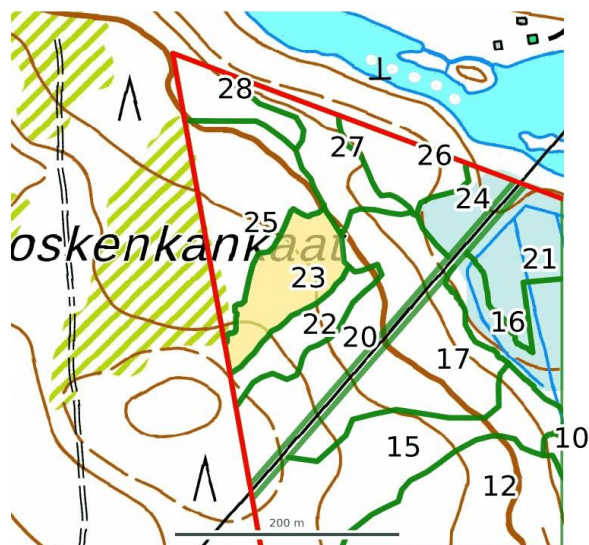
Area (ha)	0.79
Main group	Woodland
Habitat	VT
Soil type	Medium rough moraine
Development category	Young growing forest

DEAD TREES

Trees pcs	Volume, m ³
16	0.4

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	51	65
Soil carbon	147	187



TREE INFORMATION

Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	37	46	0	42	12.6	8.5	1110	10.1	4.1
Spruce/FIR	1	1	0	1	6.7	5.4	152	0.4	0.1
Birch	1	1	0	1	8.8	5.8	73	0.3	0.1
Total.	38	49	0	43					4.3

HARVEST, m³

Method of harvesting	Year of Harvest	Harvest	MäT	KuT	KoT	MuuT	MäK	KuK	KoK
Thinning	2033	2	1				23	0	0

MäT – Pine Logs KuT – Spruce Logs KoT – Birch Logs, MuuT – Other Logs, MäK – Pine Fibre, KuK – Wood Fibre, KoK – Birch Fibre
Harvestability classes: 1 Damaged; 2 Normal summer, mineral soil; 3 Dry summer, mineral soil; 4 Normal summer, Peatland; 5 Dry summer, Peatland; 6 Winter

FIGURE 24, 698-407-196-1

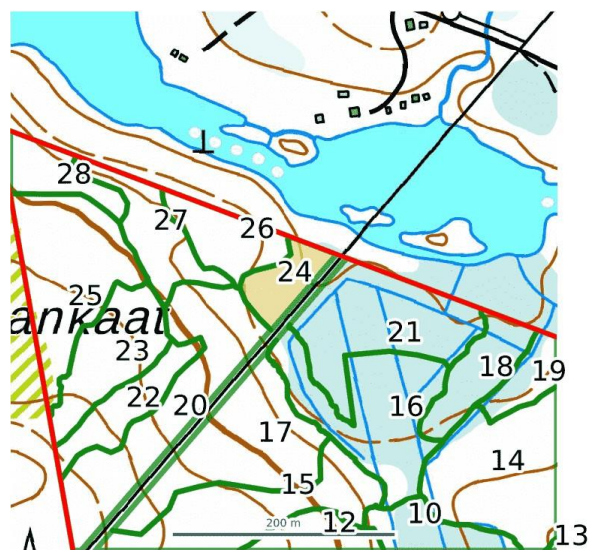
Area (ha)	0.34
Main group	SCRUBLAND
Habitat	CT
Soil type	Organic peatland
Development category	Young growing forest

DEAD TREES

Trees pcs	Volume, m ³
10	0.2

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	33	96
Soil carbon	742	2171



TREE INFORMATION

Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	10	28	1	24	13.6	9.7	539	5.5	0.4
Spruce/FIR	8	23	0	19	11.2	6.9	840	6.2	0.7
Birch	3	8	0	7	11.3	6.1	316	2.4	0.2
Total.	20	59	1	51					1.3

FIGURE 25, 698-407-196-1

Area (ha)	1.28
Main group	Woodland
Habitat	VT
Soil type	Medium rough moraine
Development category	Seedlings over 1.3 m

DEAD TREES

Trees pcs	Volume, m ³
9	0.8

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	11	8
Soil carbon	232	181



TREE INFORMATION

Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	8	6	0	0	6.2	4.8	711	2.0	1.7
Spruce/FIR	1	0	0	0	6.6	5.0	77	0.2	0.1
Birch	0	0	0	0	3.6	2.9	47	0.0	
Total.	9	7	0	0					1.8

Figure 26, 698-407-196-1

Area (ha)	0.50
Main group	Woodland
Habitat	VT
Soil type	Medium rough moraine
Development category	Young growth forest

DEAD TREES

Trees pcs	Volume, m ³
2	0.0

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	37	74
Soil carbon	92	185



TREE INFORMATION

Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	18	36	0	32	11.1	8.1	952	8.1	3.3
Spruce/FIR	6	12	0	10	11.3	8.2	355	2.8	0.7
Birch	2	4	0	1	6.7	5.1	361	1.2	0.3
Total.	26	51	0	43					4.3

HARVEST, m³

Method of harvesting	Year of Harvest	Harvest	MäT	KuT	KoT	MuuT	MäK	KuK	KoK
Green harvesting	2036	2	0				15	4	2

MäT – Pine Logs KuT – Spruce Logs KoT – Birch Logs, MuuT – Other Logs, MäK – Pine Fibre, KuK – Wood Fibre, KoK – Birch Fibre
 Harvestability classes: 1 Damaged; 2 Normal summer, mineral soil; 3 Dry summer, mineral soil; 4 Normal summer, Peatland; 5 Dry summer, Peatland; 6 Winter

FORESTRY WORK

Type of work	Proposed year	Area, Ha	Estimated cost
Pre-Clearing	2036	0.50	-142

FIGURE 27, 698-407-196-1

Area (ha)	0.60
Main group	Woodland
Habitat	VT
Soil type	SAND
Development category	Mature growth forest

DEAD TREES

Trees pcs	VOLUME, m ³
2	0.1

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	77	129
Soil carbon	111	186



TREE INFORMATION

Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	56	94	25	66	18.2	12.8	753	14.5	3.2
Spruce/FIR	3	5	0	5	13.7	10.2	91	1.0	0.2
Birch	1	2	0	1	9.3	7.8	81	0.4	0.1
Total.	60	101	25	72					3.5

Normal summer

Cutting method	Proposed Harvest year	Harvest Capacity	MäT	KuT	KoT	MuuT	MäK	KuK	KoK
Thinning	2032	2	4				14	0	0

MäT – Pine Logs KuT – Spruce Logs KoT – Birch Logs, MuuT – Other Logs, MäK – Pine Fibre, KuK – Wood Fibre, KoK – Birch Fibre
Harvestability classes: 1 Damaged; 2 Normal summer, mineral soil; 3 Dry summer, mineral soil; 4 Normal summer, Peatland; 5 Dry summer, Peatland; 6 Winter

FIGURE 28, 698-407-196-1

Area (ha)	0.42
Main group	Woodland
Habitat	VT
Soil type	Medium rough moraine
Development category	Mature growth forest

DEAD TREES

Tress pcs	Volume, m ³
1	0.2

CARBON STOCK

	t CO ₂	t CO ₂ /ha
Wood carbon	33	79
Soil carbon	77	186



TREE INFORMATION

Type of wood	Volume, m ³ /stand	Volume, m ³ /Ha	Logs, m ³ /ha	Fiber, m ³ /Ha	Diameter, cm	Length, m	Number of stems, pcs/ha	Basal area, m ² /ha	Growth, m ³ /ha
Pine	21	50	14	34	17.5	12.4	492	7.9	2.3
Spruce/FIR	2	5	0	4	9.2	7.5	247	1.4	0.4
Birch	2	4	0	4	12.5	9.0	108	0.9	0.2
Total.	25	59	14	42					3.0

SINGLE TREE DATA, 698-407-196-1

TreeCount	Specie	dbh	ht	vol	StandNumber	t CO2_annual	x_coord	y_coord	link
1	1	2.42	2.6	1.16	2	0.0001	466491	7422105	map
2	1	5.31	4.5	6.62	2	0.0004	466492	7422102	map
3	1	3.14	2.5	1.96	2	0.0001	466384	7422104	map
4	1	2.7	2.7	1.44	2	0.0001	466440	7422123	map
5	1	1.96	2	0.86	2	0	466466	7422119	map
6	2	2.18	2.1	1.15	2	0.0001	466474	7422114	map
7	1	2.78	2.8	1.53	2	0.0001	466373	7422041	map
8	1	2.86	2.4	1.64	2	0.0001	466381	7422028	map
9	2	1.94	2	0.98	2	0.0001	466381	7422008	map
10	1	1.89	1.9	0.84	2	0	466383	7422076	map
11	1	3.15	3	1.98	2	0.0001	466398	7422029	map
12	1	2.99	2.8	1.77	2	0.0001	466399	7422030	
13	2	3.06	2.8	1.87	2	0.0001	466402	7422046	
14	2	2.9	2.5	1.73	2	0.0001	466406	7422074	
15	2	2.87	2.2	1.84	2	0.0001	466407	7422042	
16	1	1.96	2	0.86	2	0	466409	7422072	
17	1	4.1	2.9	3.34	2	0.0002	466435	7422045	
18	1	1.24	1.5	0.72	2	0	466450	7422082	
19	1	5.28	4.2	6.31	2	0.0004	466439	7422124	
20	2	5.66	4.2	6.79	2	0.0004	466455	7422125	
21	1	4.25	3.8	3.9	2	0.0002	466480	7422109	
22	1	5.19	3.4	5.56	2	0.0003	466487	7422096	
23	1	5.22	4.4	6.32	2	0.0004	466489	7422119	
24	1	5.31	4.5	6.62	2	0.0004	466367	7422033	
25	1	5.31	4.5	6.62	2	0.0004	466369	7422024	
26	1	5.72	4.7	7.88	2	0.0005	466374	7422018	
27	1	4.79	3.2	4.65	2	0.0003	466374	7422026	
...	...	...	...	...	...	...	...	...	

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