

# **Forest management plan**

**SIA Ascheberg, SIA**

**SIA Istra Mežs SIA**

**SIA Jaunmežs SIA**

**Privātpers. Švirksts Jānis**

**SIA Tova Mežs SIA**

**Privātpers. Švirksta Inta**

**SIA Mālpils Mežs**

**SIA LH Forestry SIA**

**SIA Arbolat, SIA**

**SIA Zemgale Timberland, SIA**

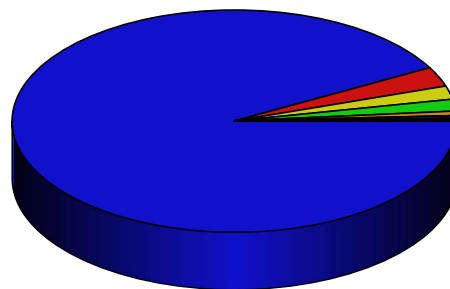
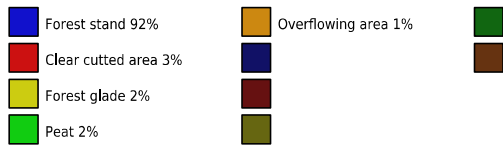
**SIA Silva Baltic SIA**

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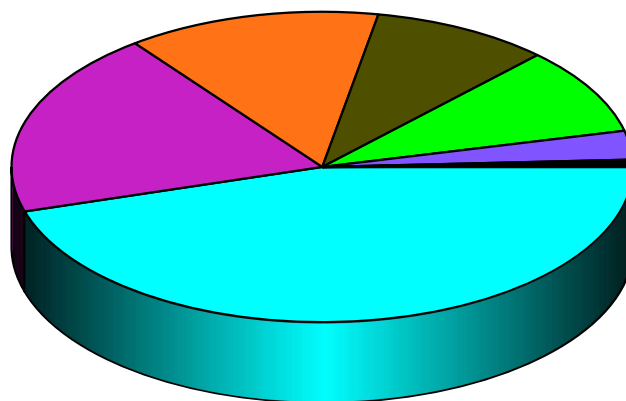
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# Forest Land Categories



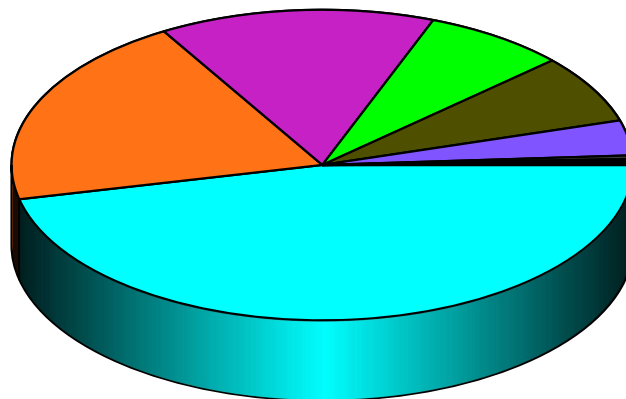
Forest land category	Area, ha	
Forest stand	23 038.5	92%
Clear cutted area	716.1	3%
Forest glade	490.1	2%
Peat	420.4	2%
Overflowing area	170.7	1%
Beaver flooding	103.6	<1%
Transitional swamp	51.7	<1%
Dead stand	16.2	<1%
Sand	14.1	<1%
Plantation	10.7	<1%
Migration compartments	0	<1%
	25 032.2	100%

## Forest land by Dominant species



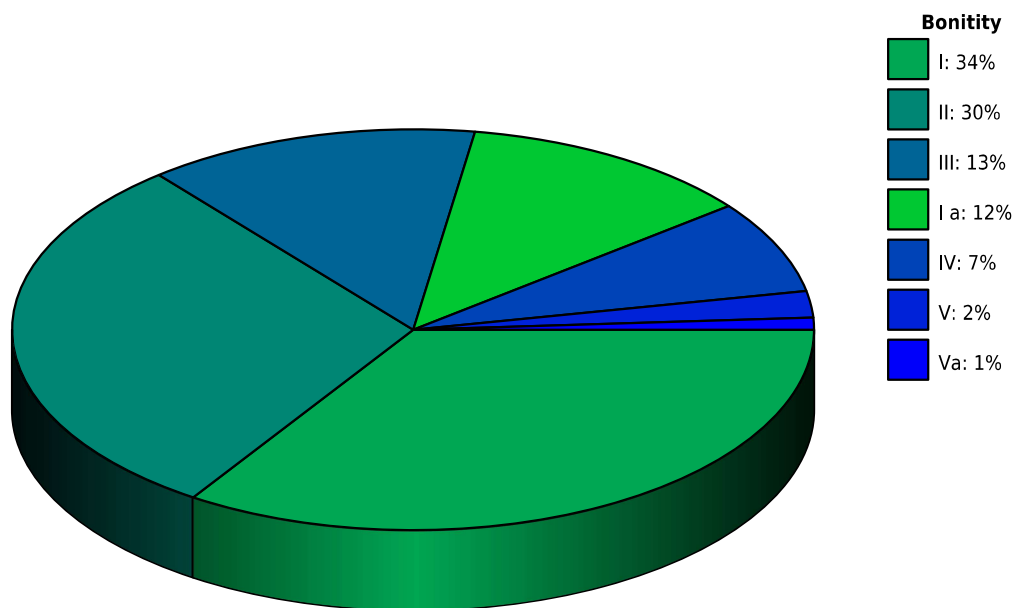
Dominant specie	Area, ha	
Birch	10 429.4	45%
Spruce	4 443.7	19%
Pine	3 032.3	13%
Grey alder	2 136.7	9%
Aspen	2 084.7	9%
Black (Common) Alder	684.7	3%
Oak	50.5	<1%
Sallowthorns	49.1	<1%
Ash	28.8	<1%
Poplar	12.1	<1%
Willow	12.0	<1%
Maple	8.1	<1%
Linden	5.7	<1%
Larch	4.6	<1%
Elm	3.5	<1%
Rowan	2.2	<1%
Cedar pine	0.1	<1%
Total	22 988.2	100%

## Forest volume by Dominant specie



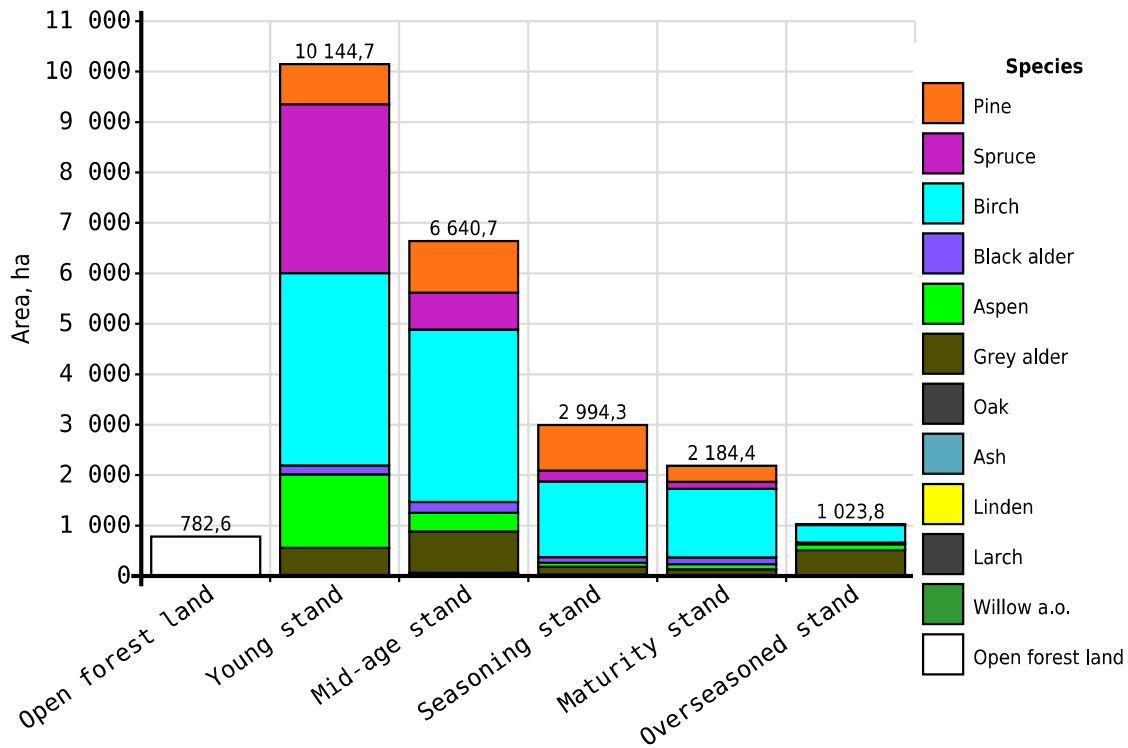
Dominant specie	Volume, m <sup>3</sup>	
Birch	1 489 276	47%
Pine	642 537	20%
Spruce	459 048	14%
Aspen	238 869	7%
Grey alder	227 489	7%
Black (Common) Alder	117 100	4%
Oak	11 654	<1%
Ash	7 468	<1%
Sallowthorns	4 874	<1%
Larch	1 780	<1%
Willow	1 632	<1%
Maple	1 553	<1%
Linden	1 099	<1%
Poplar	896	<1%
Elm	627	<1%
Rowan	34	<1%
Cedar pine	21	<1%
Total	3 205 957	100%

## Forest land by Bonities



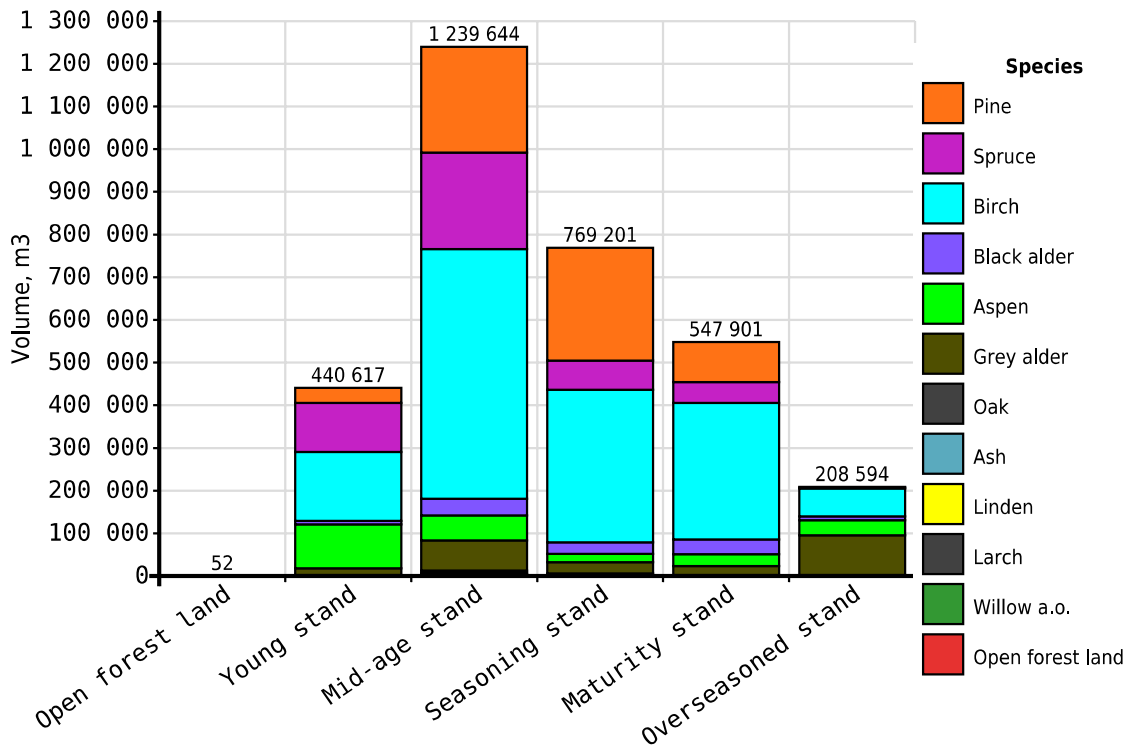
Bonity	Area, ha	
I	8 140.1	34%
II	7 088.9	30%
III	3 187.4	13%
I a	2 840.4	12%
IV	1 778.6	7%
V	507.9	2%
Va	227.5	1%
	23 770.8	100%

## Forest land by age groups



Age group	Area, ha
Open forest land	782,6
Young stand	10 144,7
Mid-age stand	6 640,8
Seasoning stand	2 994,5
Maturity stand	2 184,5
Overseasoned stand	1 023,8
	23 770,8

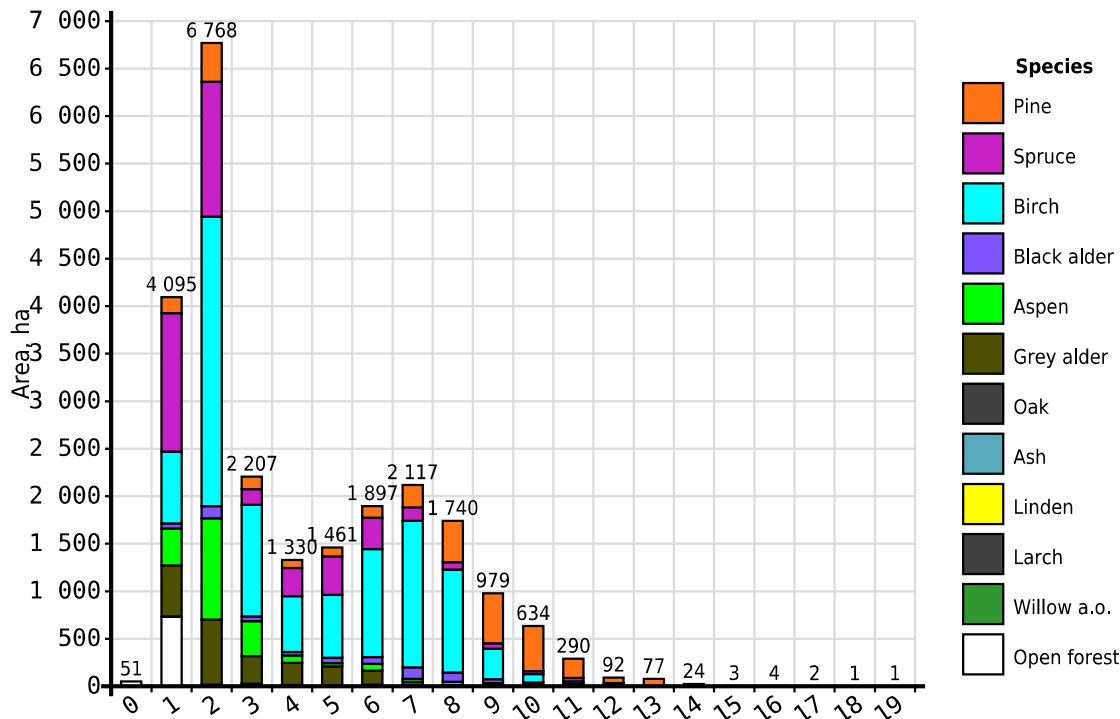
## Forest volume by age groups per dominant specie



Age group	Volume, m3
Open forest land	52
Young stand	440 617
Mid-age stand	1 239 644
Seasoning stand	769 201
Maturity stand	547 901
Overseasoned stand	208 594
	3 206 009

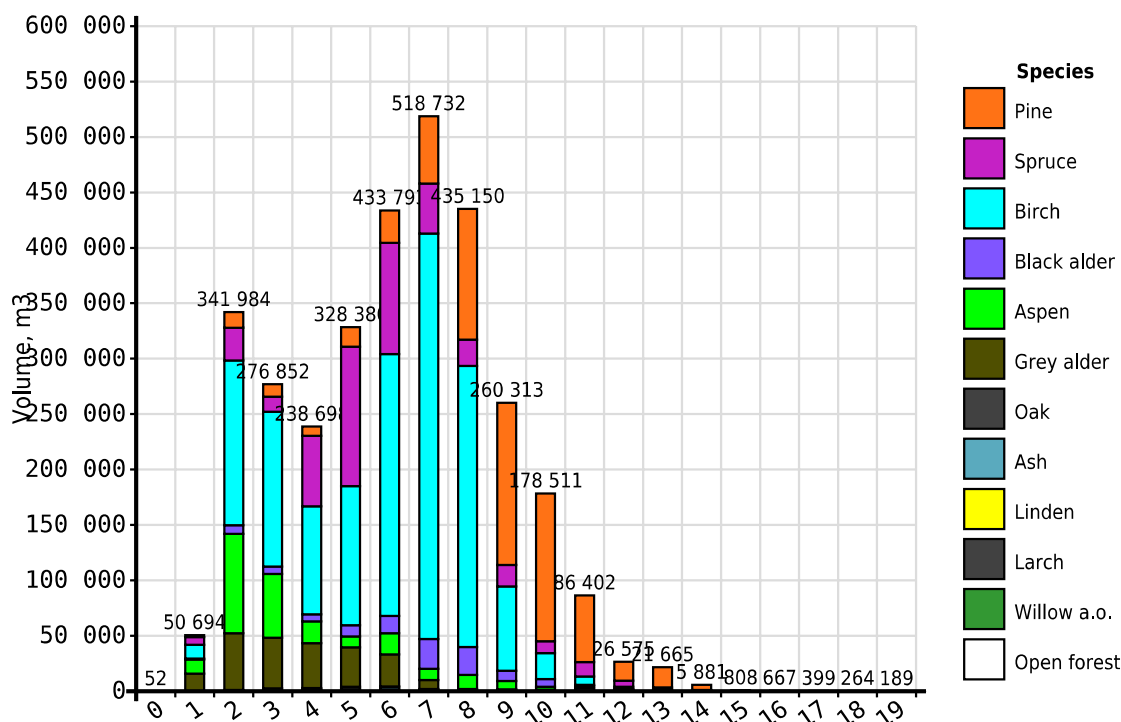


## Forest land by age class



Age class, deci years	Area, ha
Age 0 years	51.0
Age 1-10 years	4 096.0
Age 11-20 years	6 769.1
Age 21-30 years	2 205.9
Age 31-40 years	1 329.9
Age 41-50 years	1 460.7
Age 51-60 years	1 894.3
Age 61-70 years	2 118.3
Age 71-80 years	1 738.6
Age 81-90 years	977.7
Age 91-100 years	635.0
Age 101-110 years	290.0
Age 111-120 years	92.2
Age 121-130 years	76.3
Age 131-140 years	24.4
Age 141-150 years	3.0
Age 151-160 years	4.1
Age 161-170 years	2.0
Age 171-180 years	1.3
Age 181-190 years	1.0
	23 770.8

## Forest volume by age class



Age class, deci years	Volume, m <sup>3</sup>
Age 0 years	52
Age 1-10 years	50694
Age 11-20 years	341984
Age 21-30 years	276852
Age 31-40 years	238698
Age 41-50 years	328380
Age 51-60 years	433793
Age 61-70 years	518732
Age 71-80 years	435150
Age 81-90 years	260313
Age 91-100 years	178511
Age 101-110 years	86402
Age 111-120 years	26575
Age 121-130 years	21665
Age 131-140 years	5881
Age 141-150 years	808
Age 151-160 years	667
Age 161-170 years	399
Age 171-180 years	264
Age 181-190 years	189
<b>Total</b>	<b>3206009</b>