

Site conditions

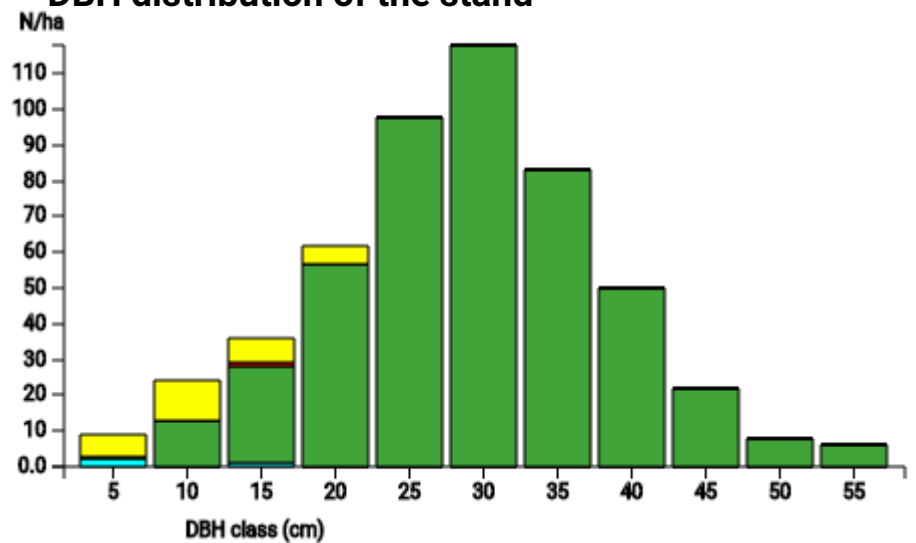
Altitude: 1180 m.a.s.l.
 Forest ecological region: Veneto
 Geology / Bedrock: Fluvio-glacial and alluvial formations
 Soil type: Haplic cambisol
 Natural forest community: Vaccinio myrtilli-Piceetea abietis
 Mean annual temperature: 5.5 C;
 Mean annual precipitation: 1100 mm;
 Ownership: Region;
 Establishment: 2021

Tree species distribution by volume (in %)



- Norway spruce: 99.1 %
- sycamore maple: 0.8 %
- common beech: 0.1 %
- silver fir: 0 %

DBH distribution of the stand



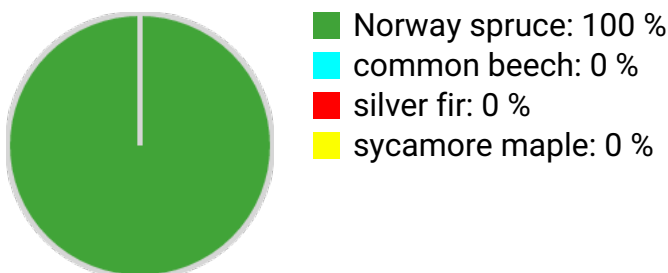
Initial stand (details by tree species)

Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
Norway spruce	483	41.4	540.2	28801	736	130
common beech	3	0	0.3	9	3	1
silver fir	1	0	0.2	4	0	0
sycamore maple	29	0.5	4.2	110	152	14
Total	516	41.9	544.9	28923	891	145

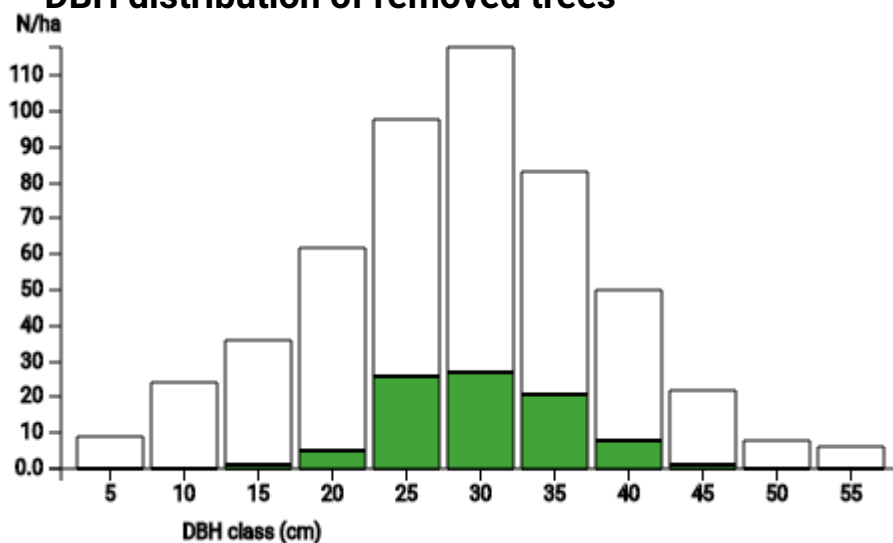
Removed trees

Volume: 96.7 m³
 Basal area: 7.5 m²
 Economic value: 5179 €
 Habitat value: 52 pts.

Removed trees (N in %)



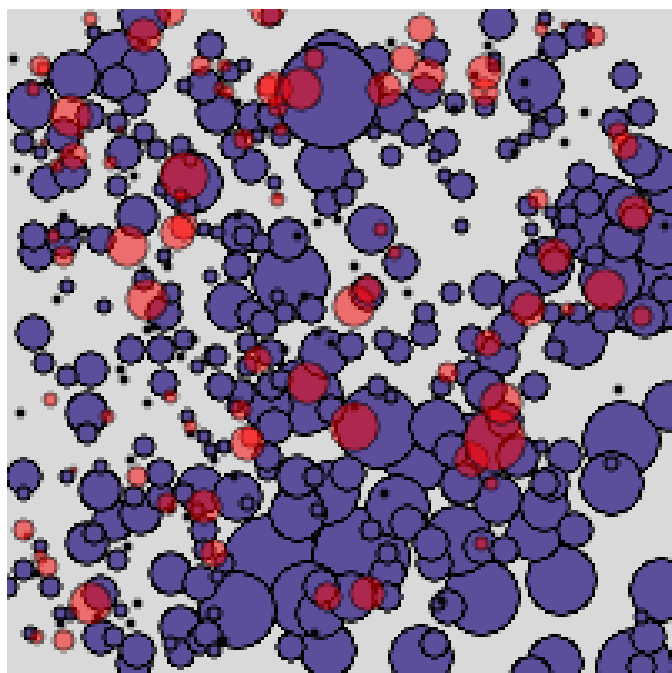
DBH distribution of removed trees



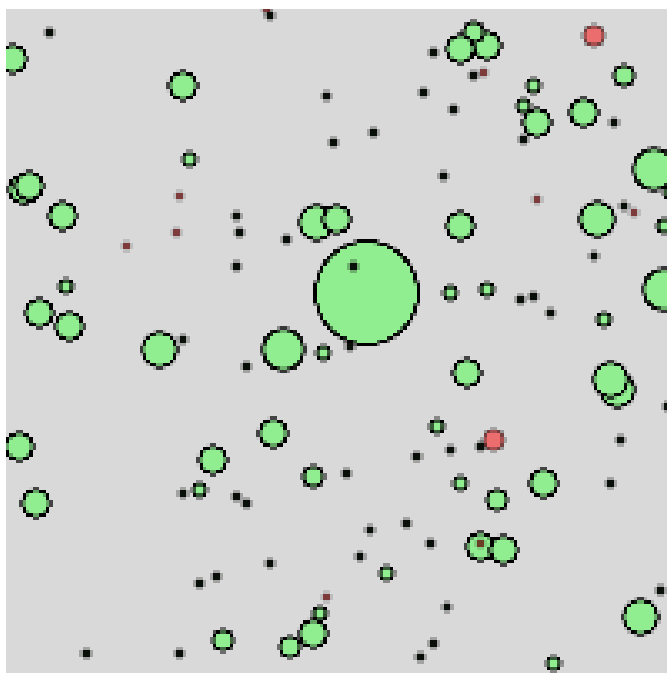
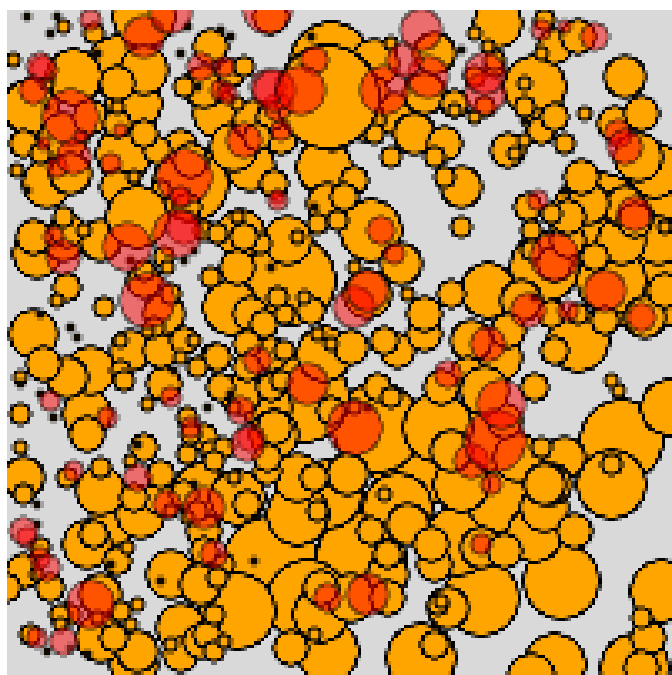
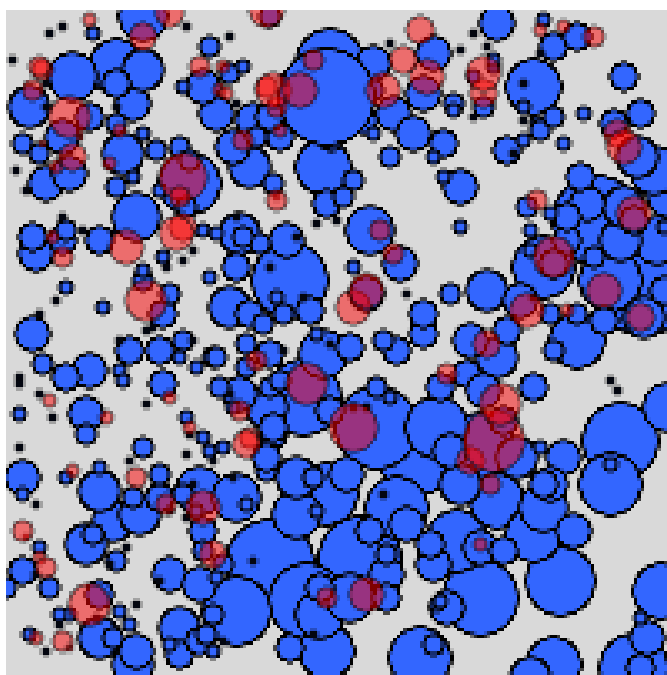
Removed trees (details by tree species)

Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
Norway spruce	89	7.5	96.8	5179	52	14
common beech	0	0	0	0	0	0
silver fir	0	0	0	0	0	0
sycamore maple	0	0	0	0	0	0
Total	89	7.5	96.8	5179	52	14

Economic value [EUR]



Habitat value

Basal area [m²]Volume [m³]**Description:**

Red circles (removed trees); circle size according to numerical values (e.g. large circles mean high values); trees with very low values (e.g. habitat value "0") are not visible.

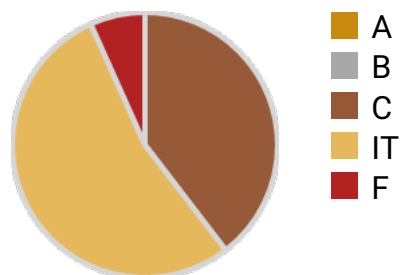
Economic values

Total value of removed trees: 5179 €
 Percentage of total stand value: 17.9 %
 Stand value after harvest: 23745 €

Economic value by tree species [€]

Tree species	Total	Per m ³
common beech	0	0
Norway spruce	5179	54
silver fir	0	0
sycamore maple	0	0
Total	5179	54

Wood quality distribution (m³ in %)



Quality class	m ³	%
A	0	0
B	0	0
C	38.3	39.6
Industrial Timber	52	53.7
Fuelwood	6.5	6.7

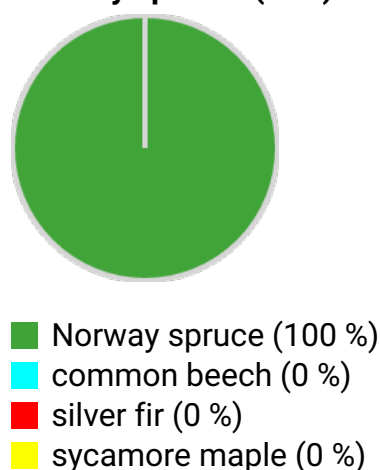
Habitat values

Total habitat value of removed trees: 52 pts.
 Percentage of total stand value: 5.8 %
 Stand value after harvest: 839 pts.

Habitat value by tree species [pts.]

Tree species	Total	Per m ³	Microhabitats [N]
common beech	0	0	0
Norway spruce	52	0.5	14
silver fir	0	0	0
sycamore maple	0	0	0
Total	52	0.5	14

Habitat value (points) of removed trees by species (in %)



Remaining stand

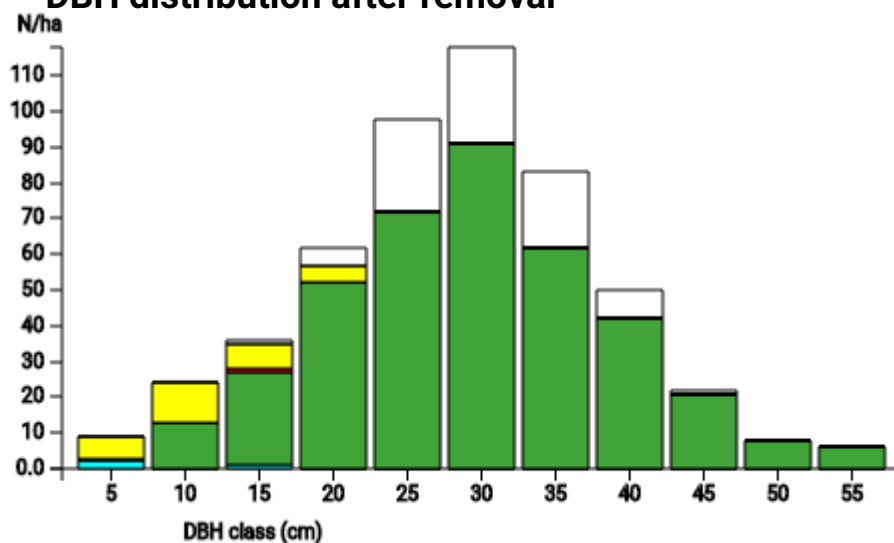
Volume: 448.2 m³
 Basal area: 34.4 m²
 Economic value: 23745 €
 Habitat value: 839 pts.

Remaining trees by volume (m³ in %)



- Norway spruce: 99 %
- sycamore maple: 0.9 %
- common beech: 0.1 %
- silver fir: 0 %

DBH distribution after removal



Remaining stand (details by tree species)

Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
Norway spruce	394	33.8	443.5	23623	684	116
common beech	3	0	0.3	9	3	1
silver fir	1	0	0.2	4	0	0
sycamore maple	29	0.5	4.2	110	152	14
Total	427	34.4	448.2	23745	839	131

Retention treesVolume: 124.1 m³

Elite trees: 66

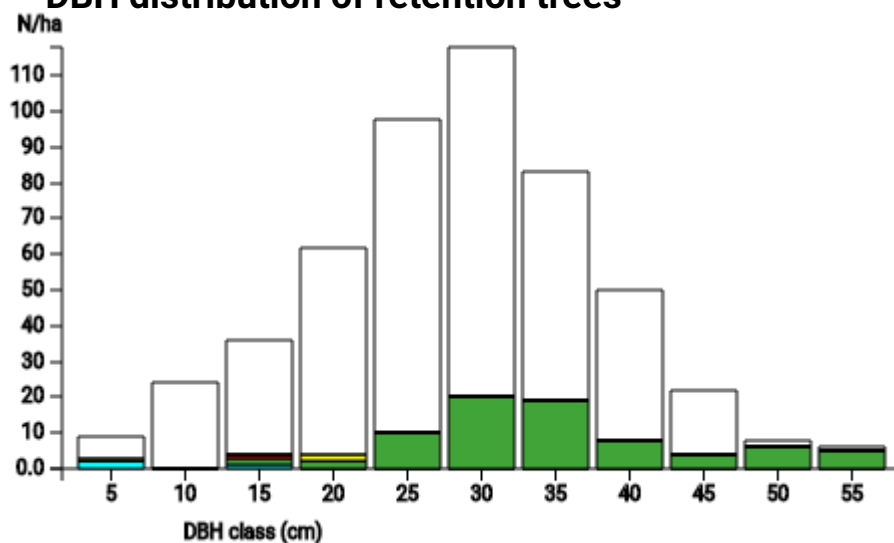
Habitat trees: 1

Economic value: 6714 €

Habitat value: 205 pts.

Retention trees by volume (m³ in %)

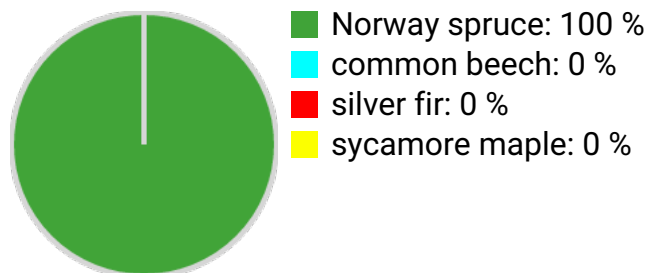
- Norway spruce: 99 %
- sycamore maple: 0.6 %
- common beech: 0.3 %
- silver fir: 0.1 %

DBH distribution of retention trees**Retained trees (details by tree species)**

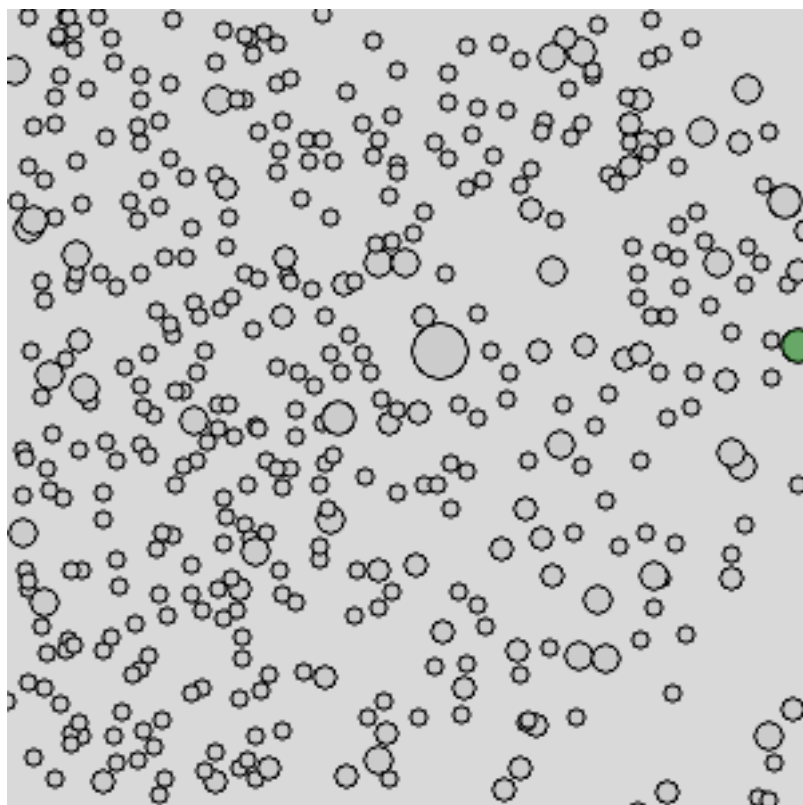
Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
Norway spruce	76	8.9	122.9	6682	170	28
common beech	3	0	0.3	9	3	1
silver fir	1	0	0.2	4	0	0
sycamore maple	3	0.1	0.8	20	32	4
Total	83	9	124.1	6714	205	33

Number of habitat trees	[N]	1
Habitat value	pts.	20
	[% of total]	2.2
Economic value	[€]	62
	[% of total]	0.2
Number of microhabitats	[N]	1
	[% of total]	0.7

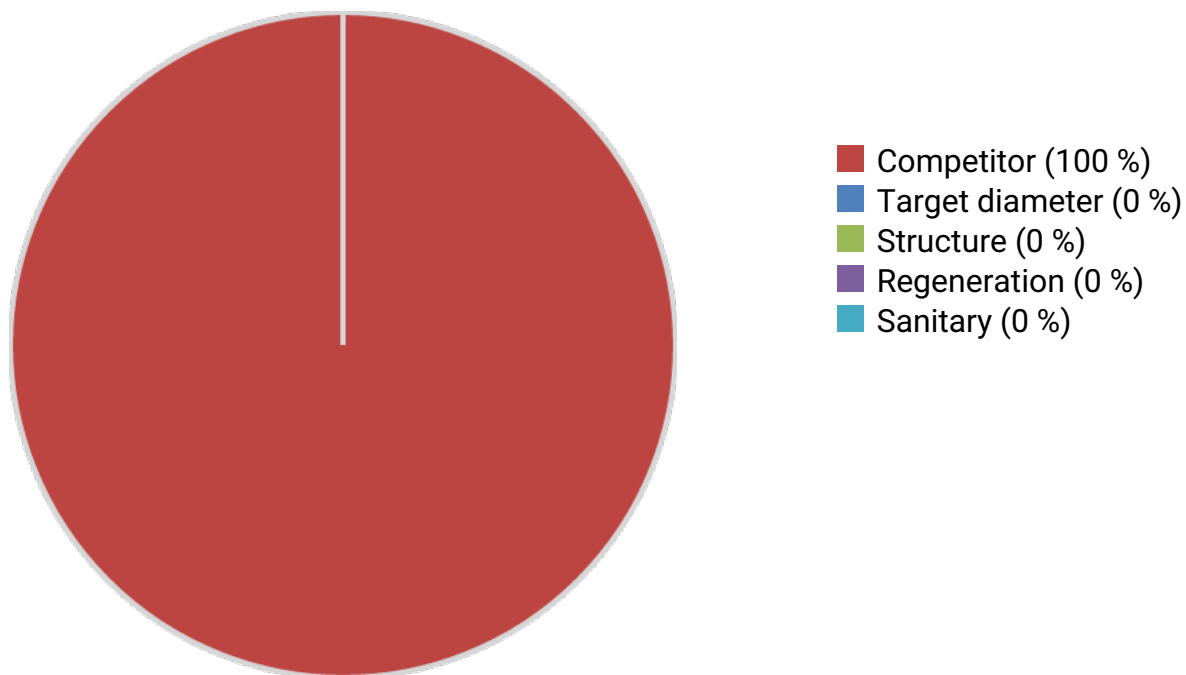
Habitat tree distribution by species (N in %)



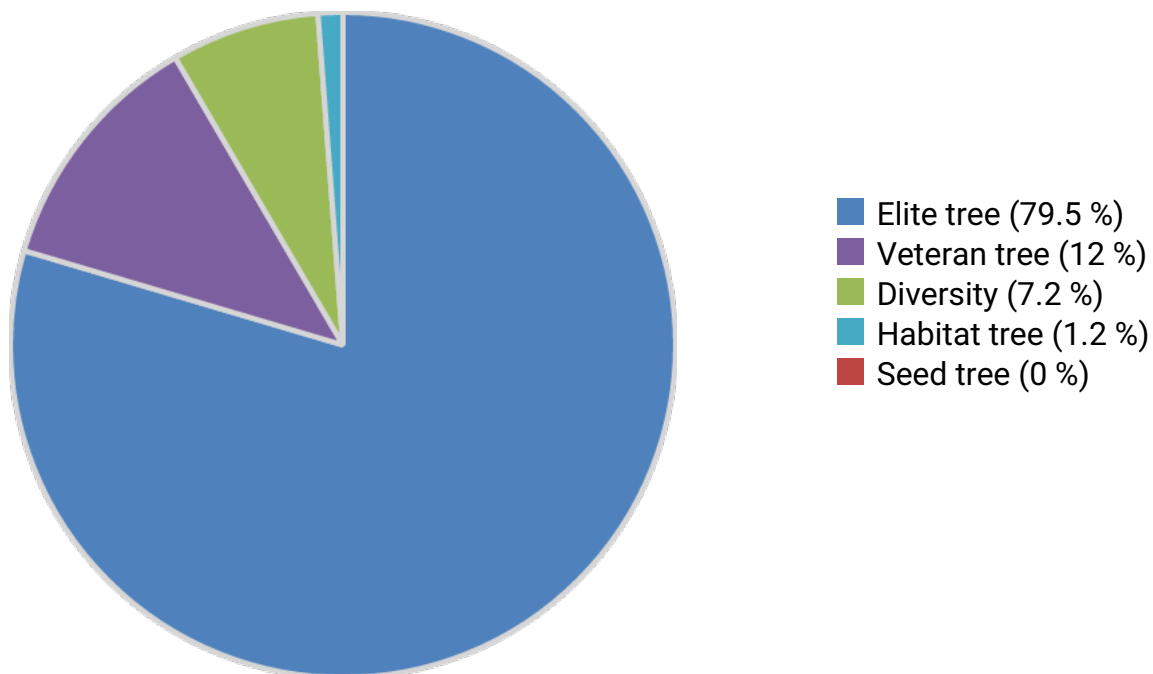
Spatial distribution of habitat trees



Reasons for removal



Reasons for retention

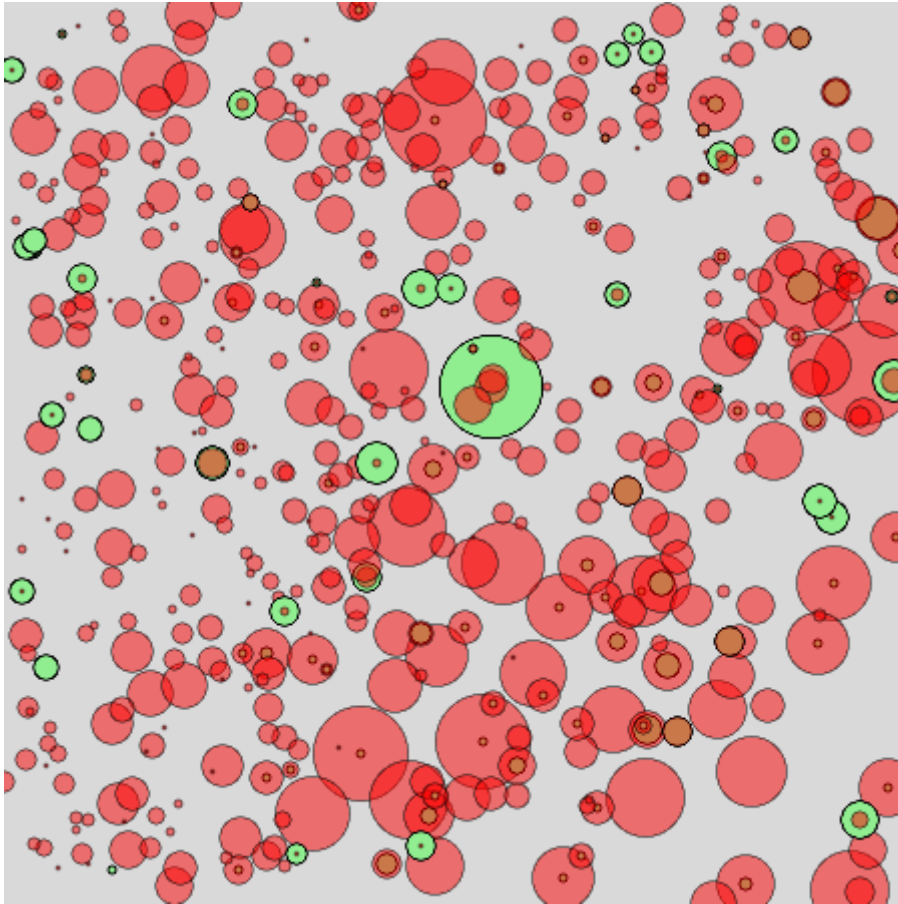


Distribution of tree microhabitats by code (N total)

Removed tree microhabitats by code (N removed)

Remaining tree microhabitats by code (N after harvest)

For more details on codes consult the field guide "Catalogue of tree microhabitats" or the tree microhabitat app.

Conflict trees (stand data)**Description:**

Overlay of economic and habitat value: red circles (economic value), green circles (habitat value); circle size according to numerical values (e.g. large circles mean high values); trees with very low values are not visible. Trees where both values overlap considerably represent so called "conflict trees".

Removed trees

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Norway spruce (359) Picea abies	45.5	0.16	2.6	144	11	Competitor
Norway spruce (57) Picea abies	44	0.15	1.8	95	0	Competitor
Norway spruce (350) Picea abies	44	0.15	2.1	120	0	Competitor
Norway spruce (100) Picea abies	43	0.15	2.2	121	0	Competitor
Norway spruce (147) Picea abies	42.5	0.14	1.9	98	0	Competitor
Norway spruce (120) Picea abies	41.5	0.14	1.6	94	4	Competitor
Norway spruce (121) Picea abies	41.5	0.14	1.7	85	3	Competitor
Norway spruce (9) Picea abies	40	0.13	1.6	91	3	Competitor
Norway spruce (487) Picea abies	40	0.13	1.8	88	0	Competitor
Norway spruce (421) Picea abies	39.5	0.12	1.7	84	0	Competitor
Norway spruce (39) Picea abies	39.5	0.12	1.6	94	0	Competitor
Norway spruce (347) Picea abies	39.5	0.12	1.7	98	0	Competitor
Norway spruce (303) Picea abies	39	0.12	1.7	96	0	Competitor
Norway spruce (511) Picea abies	38.5	0.12	1.7	94	0	Competitor
Norway spruce (423) Picea abies	38.5	0.12	1.5	76	0	Competitor
Norway spruce (499) Picea abies	38.5	0.12	1.7	94	0	Competitor
Norway spruce (198) Picea abies	38	0.11	1.7	96	0	Competitor
Norway spruce (19) Picea abies	38	0.11	1.3	76	0	Competitor
Norway spruce (496) Picea abies	37	0.11	1.5	74	0	Competitor
Norway spruce (266) Picea abies	37	0.11	1.5	85	0	Competitor
Norway spruce (430) Picea abies	37	0.11	1.5	84	3	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Picea abies						
Norway spruce (8) Picea abies	36	0.1	1.2	71	0	Competitor
Norway spruce (436) Picea abies	36	0.1	1.2	63	0	Competitor
Norway spruce (396) Picea abies	36	0.1	1.5	85	0	Competitor
Norway spruce (37) Picea abies	36	0.1	1.4	78	0	Competitor
Norway spruce (405) Picea abies	36	0.1	1.2	64	0	Competitor
Norway spruce (506) Picea abies	35.5	0.1	1.5	83	0	Competitor
Norway spruce (469) Picea abies	35.5	0.1	1.5	82	4	Competitor
Norway spruce (418) Picea abies	35	0.1	1.1	59	0	Competitor
Norway spruce (450) Picea abies	35	0.1	1.5	74	0	Competitor
Norway spruce (237) Picea abies	34.5	0.09	1.3	76	0	Competitor
Norway spruce (361) Picea abies	34	0.09	1.4	76	0	Competitor
Norway spruce (137) Picea abies	34	0.09	1	56	0	Competitor
Norway spruce (82) Picea abies	33.5	0.09	1.1	49	0	Competitor
Norway spruce (77) Picea abies	33.5	0.09	1.2	68	0	Competitor
Norway spruce (122) Picea abies	33	0.09	1.2	70	0	Competitor
Norway spruce (36) Picea abies	33	0.09	1.1	51	0	Competitor
Norway spruce (517) Picea abies	33	0.09	1.2	69	0	Competitor
Norway spruce (259) Picea abies	32.5	0.08	1	53	0	Competitor
Norway spruce (441) Picea abies	32	0.08	1.1	56	0	Competitor
Norway spruce (340) Picea abies	32	0.08	0.9	49	0	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Norway spruce (280) Picea abies	32	0.08	1.1	63	0	Competitor
Norway spruce (412) Picea abies	32	0.08	1	51	10	Competitor
Norway spruce (331) Picea abies	31.5	0.08	0.9	49	0	Competitor
Norway spruce (235) Picea abies	31.5	0.08	1	46	0	Competitor
Norway spruce (243) Picea abies	31	0.08	0.9	53	0	Competitor
Norway spruce (43) Picea abies	31	0.08	1	55	0	Competitor
Norway spruce (13) Picea abies	31	0.08	0.8	48	0	Competitor
Norway spruce (295) Picea abies	31	0.08	1	59	3	Competitor
Norway spruce (257) Picea abies	31	0.08	0.9	53	0	Competitor
Norway spruce (181) Picea abies	31	0.08	1.1	60	0	Competitor
Norway spruce (501) Picea abies	30	0.07	1.1	55	0	Competitor
Norway spruce (52) Picea abies	30	0.07	0.8	41	0	Competitor
Norway spruce (32) Picea abies	30	0.07	0.8	48	0	Competitor
Norway spruce (483) Picea abies	30	0.07	0.8	41	0	Competitor
Norway spruce (54) Picea abies	30	0.07	0.8	40	0	Competitor
Norway spruce (284) Picea abies	30	0.07	0.8	43	0	Competitor
Norway spruce (25) Picea abies	29.5	0.07	0.8	46	0	Competitor
Norway spruce (216) Picea abies	29.5	0.07	0.9	46	0	Competitor
Norway spruce (210) Picea abies	29	0.07	0.8	41	0	Competitor
Norway spruce (382) Picea abies	29	0.07	0.6	38	4	Competitor
Norway spruce (102)	29	0.07	0.8	34	3	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Picea abies						
Norway spruce (91) Picea abies	29	0.07	0.8	41	0	Competitor
Norway spruce (205) Picea abies	28.5	0.06	0.7	36	0	Competitor
Norway spruce (485) Picea abies	28.5	0.06	0.8	41	0	Competitor
Norway spruce (67) Picea abies	28.5	0.06	0.7	37	0	Competitor
Norway spruce (471) Picea abies	28	0.06	0.8	42	4	Competitor
Norway spruce (88) Picea abies	28	0.06	0.7	39	0	Competitor
Norway spruce (366) Picea abies	28	0.06	0.8	41	0	Competitor
Norway spruce (285) Picea abies	28	0.06	0.7	39	0	Competitor
Norway spruce (318) Picea abies	28	0.06	0.7	38	0	Competitor
Norway spruce (202) Picea abies	28	0.06	0.7	38	0	Competitor
Norway spruce (107) Picea abies	28	0.06	0.8	40	0	Competitor
Norway spruce (221) Picea abies	28	0.06	0.8	40	0	Competitor
Norway spruce (6) Picea abies	28	0.06	0.7	42	0	Competitor
Norway spruce (117) Picea abies	27.5	0.06	0.7	36	0	Competitor
Norway spruce (33) Picea abies	27	0.06	0.7	29	0	Competitor
Norway spruce (409) Picea abies	27	0.06	0.7	36	0	Competitor
Norway spruce (46) Picea abies	26.5	0.06	0.7	29	0	Competitor
Norway spruce (504) Picea abies	26.5	0.06	0.7	35	0	Competitor
Norway spruce (45) Picea abies	26	0.05	0.6	27	0	Competitor
Norway spruce (231) Picea abies	25.5	0.05	0.5	23	0	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Norway spruce (260) Picea abies	25	0.05	0.4	18	0	Competitor
Norway spruce (74) Picea abies	24	0.05	0.4	20	0	Competitor
Norway spruce (410) Picea abies	24	0.05	0.5	23	0	Competitor
Norway spruce (72) Picea abies	24	0.05	0.4	19	0	Competitor
Norway spruce (70) Picea abies	23	0.04	0.5	21	0	Competitor
Norway spruce (106) Picea abies	22.5	0.04	0.4	17	0	Competitor
Norway spruce (330) Picea abies	19	0.03	0.2	6	0	Competitor

Retention trees

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Norway spruce (40) Picea abies	58.5	0.27	4.1	249	3	Elite tree
Norway spruce (292) Picea abies	57.5	0.26	4	226	4	Veteran tree
Norway spruce (475) Picea abies	57.5	0.26	3.9	217	15	Veteran tree
Norway spruce (491) Picea abies	56.5	0.25	4.6	247	0	Veteran tree
Norway spruce (351) Picea abies	55	0.24	3.7	203	0	Veteran tree
Norway spruce (145) Picea abies	54.5	0.23	3.3	188	0	Veteran tree
Norway spruce (218) Picea abies	54	0.23	3.3	187	0	Veteran tree
Norway spruce (386) Picea abies	53.5	0.23	3.7	234	3	Veteran tree
Norway spruce (12) Picea abies	53	0.22	3.2	155	0	Elite tree
Norway spruce (296) Picea abies	52.5	0.22	3.3	187	0	Veteran tree
Norway spruce (360) Picea abies	50	0.2	3.1	174	3	Veteran tree
Norway spruce (101) Picea abies	49.5	0.19	2.8	155	0	Veteran tree
Norway spruce (492) Picea abies	47.5	0.18	2.8	154	0	Elite tree
Norway spruce (484) Picea abies	46	0.17	2.2	113	0	Elite tree
Norway spruce (7) Picea abies	45	0.16	2	115	0	Elite tree
Norway spruce (371) Picea abies	44.5	0.16	2.3	117	11	Elite tree
Norway spruce (78) Picea abies	43.5	0.15	1.7	81	0	Elite tree
Norway spruce (307) Picea abies	43	0.15	2.2	120	7	Elite tree
Norway spruce (256) Picea abies	42.5	0.14	2.1	116	6	Elite tree
Norway spruce (55) Picea abies	42.5	0.14	1.8	112	0	Elite tree
Norway spruce (209) Picea abies	41	0.13	1.7	95	0	Elite tree

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Picea abies						
Norway spruce (73) Picea abies	40.5	0.13	1.7	86	0	Elite tree
Norway spruce (125) Picea abies	40.5	0.13	1.8	101	3	Elite tree
Norway spruce (61) Picea abies	39.5	0.12	1.7	95	0	Elite tree
Norway spruce (510) Picea abies	39	0.12	1.6	80	50	Elite tree
Norway spruce (419) Picea abies	39	0.12	1.6	82	0	Elite tree
Norway spruce (81) Picea abies	39	0.12	1.5	69	0	Elite tree
Norway spruce (432) Picea abies	38	0.11	1.5	86	3	Elite tree
Norway spruce (118) Picea abies	37.5	0.11	1.3	77	0	Elite tree
Norway spruce (47) Picea abies	37.5	0.11	1.4	79	0	Elite tree
Norway spruce (500) Picea abies	37.5	0.11	1.7	94	0	Elite tree
Norway spruce (516) Picea abies	37	0.11	1.4	72	0	Elite tree
Norway spruce (381) Picea abies	37	0.11	1.6	90	14	Elite tree
Norway spruce (200) Picea abies	37	0.11	1.4	70	0	Elite tree
Norway spruce (90) Picea abies	37	0.11	1.5	75	0	Elite tree
Norway spruce (494) Picea abies	37	0.11	1.4	80	0	Elite tree
Norway spruce (417) Picea abies	36.5	0.11	1.4	71	3	Elite tree
Norway spruce (507) Picea abies	36.5	0.11	1.7	93	4	Elite tree
Norway spruce (387) Picea abies	36	0.1	1.6	89	8	Elite tree
Norway spruce (353) Picea abies	35.5	0.1	1.4	78	0	Elite tree
Norway spruce (195) Picea abies	35	0.1	1.2	69	0	Elite tree

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Norway spruce (440) Picea abies	35	0.1	1.3	67	4	Elite tree
Norway spruce (411) Picea abies	34	0.09	1.2	63	0	Elite tree
Norway spruce (180) Picea abies	34	0.09	1.3	65	0	Elite tree
Norway spruce (10) Picea abies	34	0.09	1	55	3	Elite tree
Norway spruce (488) Picea abies	34	0.09	1.3	64	0	Elite tree
Norway spruce (490) Picea abies	34	0.09	1.2	62	20	Habitat tree
Norway spruce (248) Picea abies	33.5	0.09	1.2	68	0	Elite tree
Norway spruce (476) Picea abies	33	0.09	1.2	69	0	Elite tree
Norway spruce (225) Picea abies	33	0.09	1	53	0	Elite tree
Norway spruce (343) Picea abies	33	0.09	1.1	56	0	Elite tree
Norway spruce (141) Picea abies	33	0.09	1	52	0	Elite tree
Norway spruce (63) Picea abies	32.5	0.08	1.2	59	0	Elite tree
Norway spruce (109) Picea abies	32	0.08	1	53	0	Elite tree
Norway spruce (472) Picea abies	32	0.08	1	52	0	Elite tree
Norway spruce (71) Picea abies	32	0.08	1	56	0	Elite tree
Norway spruce (103) Picea abies	31.5	0.08	0.9	40	0	Elite tree
Norway spruce (34) Picea abies	31	0.08	0.9	46	0	Elite tree
Norway spruce (420) Picea abies	31	0.08	1	50	0	Elite tree
Norway spruce (126) Picea abies	31	0.08	0.9	53	0	Elite tree
Norway spruce (247) Picea abies	30.5	0.07	0.9	51	0	Elite tree
Norway spruce (505)	30	0.07	1	49	3	Elite tree

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Picea abies						
Norway spruce (290) Picea abies	29	0.07	0.9	50	0	Elite tree
Norway spruce (408) Picea abies	29	0.07	0.8	41	0	Elite tree
Norway spruce (38) Picea abies	28.5	0.06	0.7	40	0	Elite tree
Norway spruce (437) Picea abies	28.5	0.06	0.8	45	0	Elite tree
Norway spruce (274) Picea abies	28	0.06	0.7	35	0	Elite tree
Norway spruce (20) Picea abies	27.5	0.06	0.7	40	0	Elite tree
Norway spruce (213) Picea abies	26	0.05	0.6	34	0	Elite tree
Norway spruce (238) Picea abies	26	0.05	0.7	35	0	Elite tree
Norway spruce (317) Picea abies	26	0.05	0.6	32	0	Elite tree
Norway spruce (431) Picea abies	25.5	0.05	0.5	24	3	Elite tree
Norway spruce (53) Picea abies	24.5	0.05	0.5	19	0	Elite tree
sycamore maple (338) Acer pseudoplatanus	22.5	0.04	0.4	11	16	Diversity
sycamore maple (337) Acer pseudoplatanus	22	0.04	0.3	8	16	Diversity
Norway spruce (313) Picea abies	21	0.04	0.3	11	0	Elite tree
Norway spruce (191) Picea abies	19	0.03	0.2	6	0	Elite tree
common beech (22) Fagus sylvatica	18.5	0.03	0.3	7	3	Elite tree
Norway spruce (136) Picea abies	18	0.03	0.2	4	0	Elite tree
silver fir (11) Abies alba	17.5	0.02	0.2	4	0	Diversity
common beech (23) Fagus sylvatica	9.5	0.01	0	1	0	Diversity
common beech (89) Fagus sylvatica	8	0.01	0	1	0	Diversity

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
sycamore maple (422) Acer pseudoplatanus	7.5	0	0	0	0	Diversity