

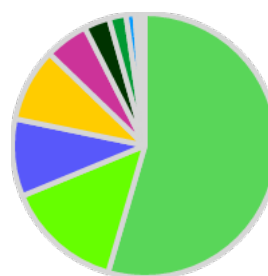
28/10/2021 GrD mol

Site conditions

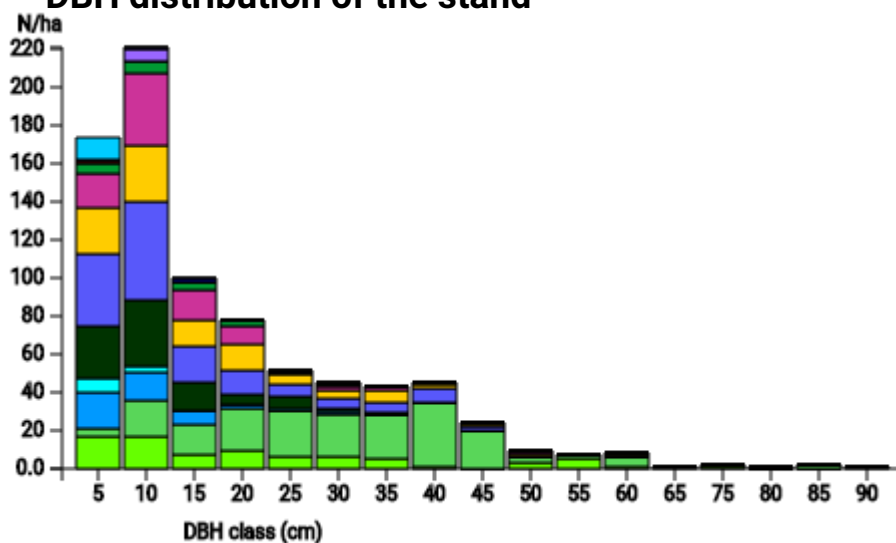
Altitude: 930 m.a.s.l.

Forest ecological region: Molise

Regional forest

Tree species distribution by volume (in %)

- Turkey oak: 54.6 %
- common beech: 14.3 %
- Italian maple: 9.5 %
- common ash: 9 %
- hornbeam: 5.3 %
- Lobels maple: 3.1 %
- small-leaved lime: 2.1 %
- sycamore maple: 1.1 %
- field maple: 0.6 %
- European hop-hornbeam: 0.4 %
- wild service tree: 0.1 %
- hazel: 0.1 %
- cornelian cherry: 0 %

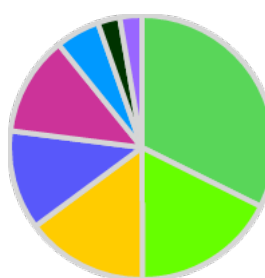
DBH distribution of the stand**Initial stand (details by tree species)**

Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
European hop-hornbeam	9	0.2	1.4	41	8	1
Italian maple	148	4.4	36.4	948	2607	143
Lobels maple	90	1.7	12	312	996	60
Turkey oak	198	19.7	209.6	7019	6072	297
common ash	101	3.9	34.7	930	1606	79
common beech	80	6.1	54.9	1532	1392	77
cornelian cherry	1	0	0	0	24	1
field maple	15	0.3	2.3	60	278	14
hazel	12	0.1	0.2	6	30	1
hornbeam	91	2.2	20.2	601	742	40
small-leaved lime	22	0.9	8.1	195	207	11
sycamore maple	43	0.6	4	105	569	30
wild service tree	3	0.1	0.3	9	0	0
Total	813	40.1	384.3	11760	14531	754

Removed trees

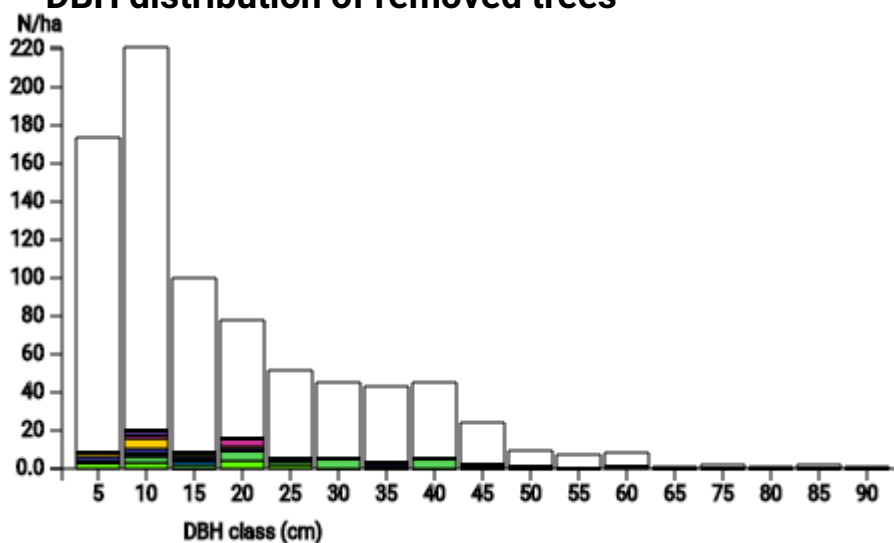
Volume: 37.3 m³
 Basal area: 3.6 m²
 Economic value: 1149 €
 Habitat value: 1063 pts.

Removed trees (N in %)



- Turkey oak: 32.4 %
- common beech: 17.6 %
- common ash: 14.9 %
- Italian maple: 12.2 %
- hornbeam: 12.2 %
- sycamore maple: 5.4 %
- Lobels maple: 2.7 %
- European hop-hornbeam: 2.7 %
- field maple: 0 %
- small-leaved lime: 0 %
- cornelian cherry: 0 %
- wild service tree: 0 %
- hazel: 0 %

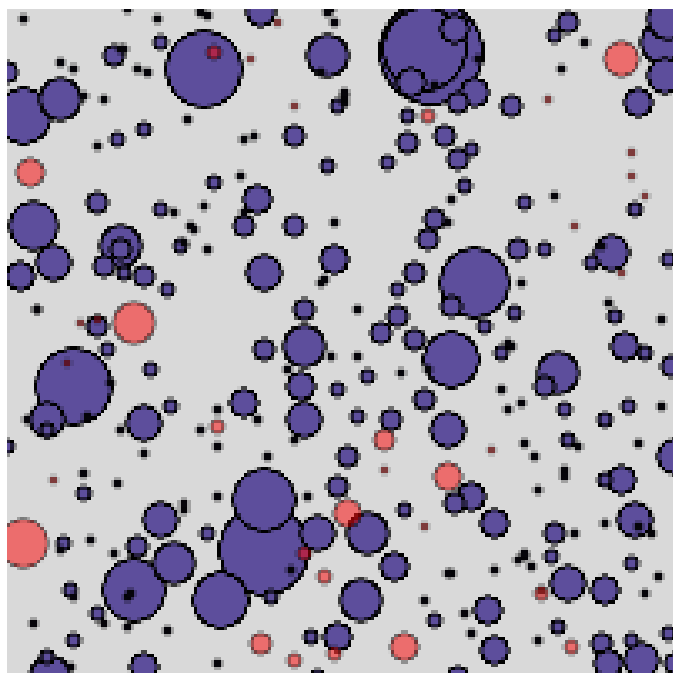
DBH distribution of removed trees



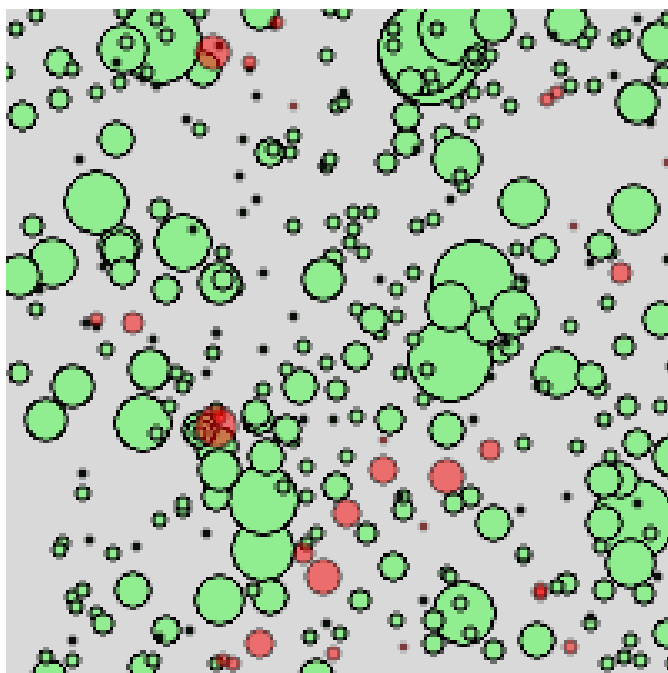
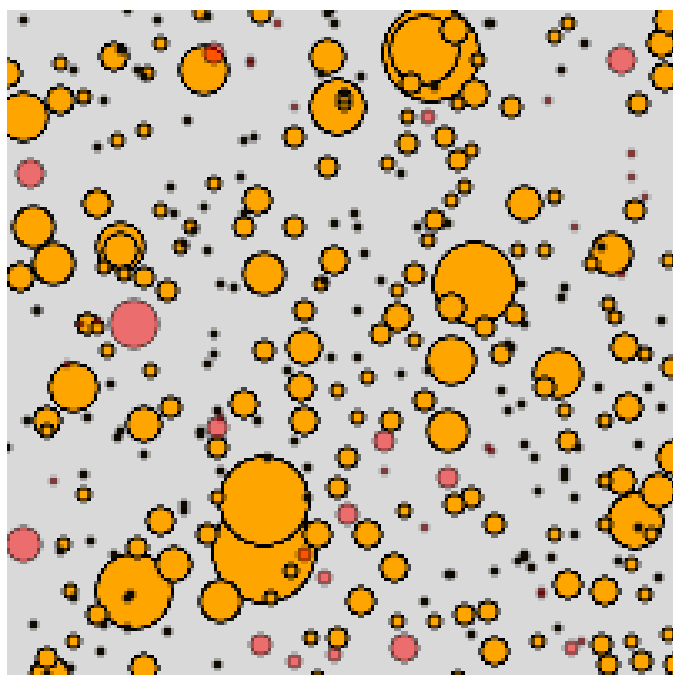
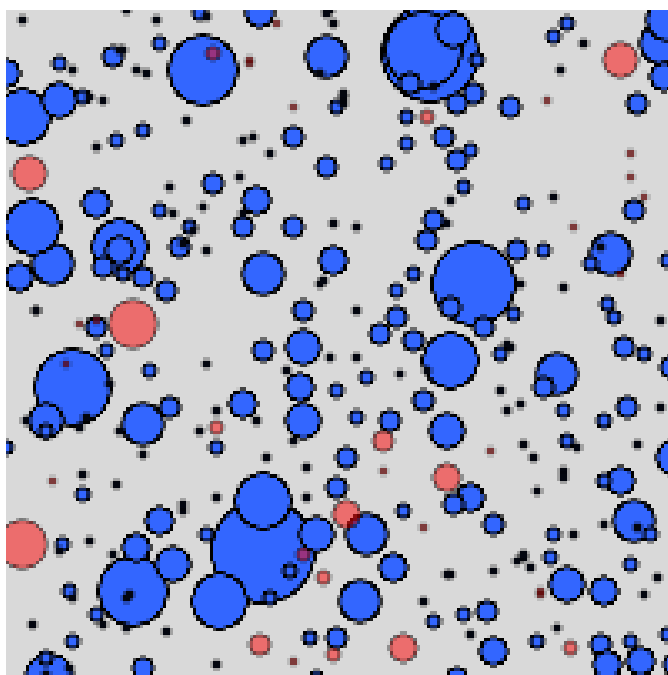
Removed trees (details by tree species)

Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
European hop-hornbeam	2	0	0.1	4	0	0
Italian maple	9	0.3	2.4	62	130	8
Lobels maple	2	0	0.3	7	27	2
Turkey oak	24	1.8	18.6	621	563	23
common ash	11	0.3	2.5	66	103	5
common beech	13	0.6	6.2	173	102	4
cornelian cherry	0	0	0	0	0	0
field maple	0	0	0	0	0	0
hazel	0	0	0	0	0	0
hornbeam	9	0.6	6.9	206	82	3
small-leaved lime	0	0	0	0	0	0
sycamore maple	4	0.1	0.4	10	56	3
wild service tree	0	0	0	0	0	0
Total	74	3.6	37.3	1149	1063	48

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.

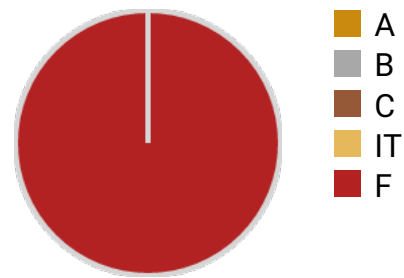
Economic values

Total value of removed trees: 1149 €
 Percentage of total stand value: 9.8 %
 Stand value after harvest: 10610 €

Economic value by tree species [€]

Tree species	Total	Per m ³
common beech	173	28
Turkey oak	621	33
sycamore maple	10	26
field maple	0	0
Lobels maple	7	26
Italian maple	62	26
common ash	66	27
hornbeam	206	30
small-leaved lime	0	0
cornelian cherry	0	0
European hop-hornbeam	4	28
wild service tree	0	0
hazel	0	0
Total	1149	31

Wood quality distribution (m³ in %)



Quality class	m ³	%
A	0	0
B	0	0
C	0	0
Industrial Timber	0	0
Fuelwood	37.3	100

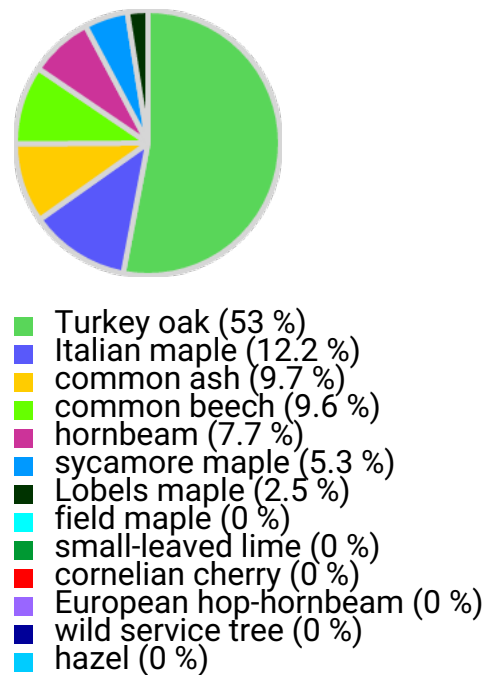
Habitat values

Total habitat value of removed trees: 1063 pts.
 Percentage of total stand value: 7.3 %
 Stand value after harvest: 13468 pts.

Habitat value by tree species [pts.]

Tree species	Total	Per m ³	Microhabitats [N]
common beech	102	16.5	4
Turkey oak	563	30.3	23
sycamore maple	56	140.9	3
field maple	0	0	0
Lobels maple	27	104.1	2
Italian maple	130	54.3	8
common ash	103	41.6	5
hornbeam	82	11.9	3
small-leaved lime	0	0	0
cornelian cherry	0	0	0
European hop-hornbeam	0	0	0
wild service tree	0	0	0
hazel	0	0	0
Total	1063	28.5	48

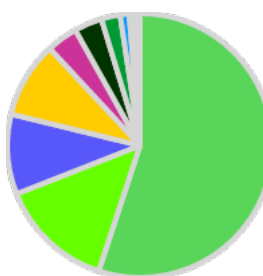
Habitat value (points) of removed trees by species (in %)



Remaining stand

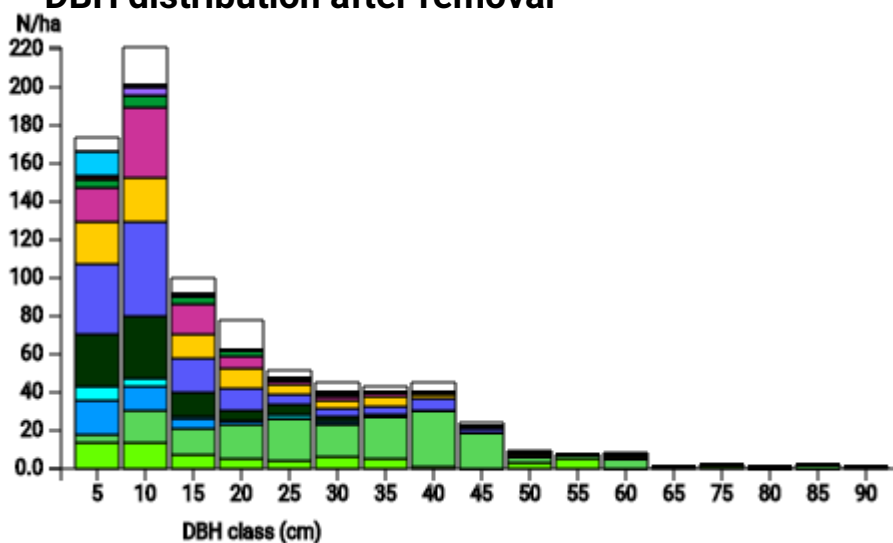
Volume: 347 m³
 Basal area: 36.5 m²
 Economic value: 10610 €
 Habitat value: 13468 pts.

Remaining trees by volume (m³ in %)



- Turkey oak: 55.1 %
- common beech: 14 %
- Italian maple: 9.8 %
- common ash: 9.3 %
- hornbeam: 3.8 %
- Lobels maple: 3.4 %
- small-leaved lime: 2.3 %
- sycamore maple: 1.1 %
- field maple: 0.7 %
- European hop-hornbeam: 0.4 %
- wild service tree: 0.1 %
- hazel: 0.1 %
- cornelian cherry: 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)
European hop-hornbeam	7	0.2	1.3	37	8	1
Italian maple	139	4.1	34	886	2477	135
Lobels maple	88	1.6	11.7	306	969	58
Turkey oak	174	17.9	191.1	6397	5509	274
common ash	90	3.7	32.2	864	1503	74
common beech	67	5.5	48.7	1359	1290	73
cornelian cherry	1	0	0	0	24	1
field maple	15	0.3	2.3	60	278	14
hazel	12	0.1	0.2	6	30	1
hornbeam	82	1.6	13.3	395	660	37
small-leaved lime	22	0.9	8.1	195	207	11
sycamore maple	39	0.5	3.6	95	513	27
wild service tree	3	0.1	0.3	9	0	0
Total	739	36.5	347	10610	13468	706

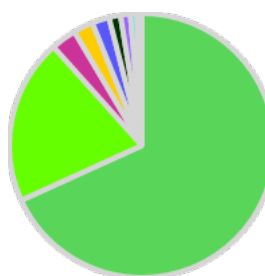
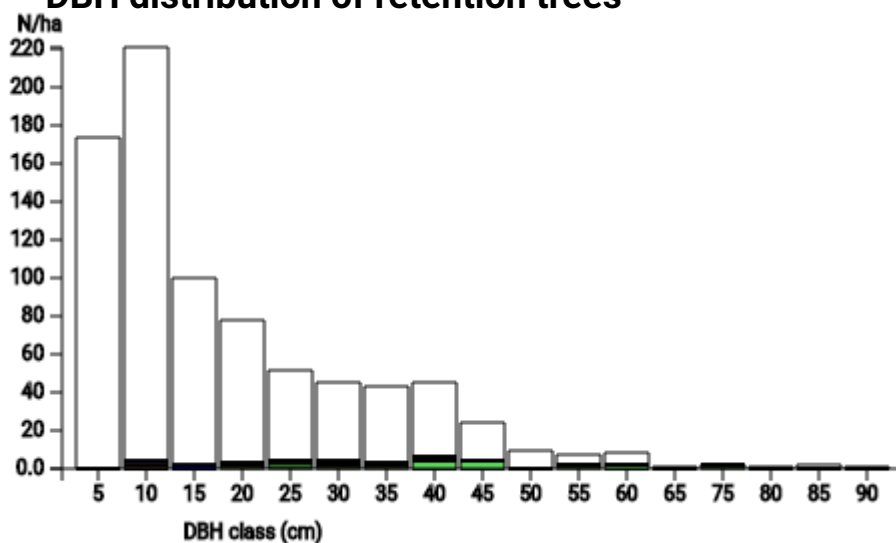
Retention treesVolume: 56.5 m³

Elite trees: 28

Habitat trees: 8

Economic value: 1789 €

Habitat value: 1486 pts.

Retention trees by volume (m³ in %)**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)
European hop-hornbeam	2	0.1	0.7	20	0	0
Italian maple	1	0.1	1.2	31	102	6
Lobels maple	1	0.1	0.8	21	0	0
Turkey oak	17	3	38.5	1289	981	48
common ash	3	0.1	1.4	37	83	4
common beech	6	1	11.4	319	155	10
cornelian cherry	0	0	0	0	0	0
field maple	1	0.1	0.4	11	36	1
hazel	0	0	0	0	0	0
hornbeam	2	0.2	1.8	53	129	6
small-leaved lime	0	0	0	0	0	0
sycamore maple	0	0	0	0	0	0
wild service tree	3	0.1	0.3	9	0	0
Total	36	4.7	56.5	1789	1486	75

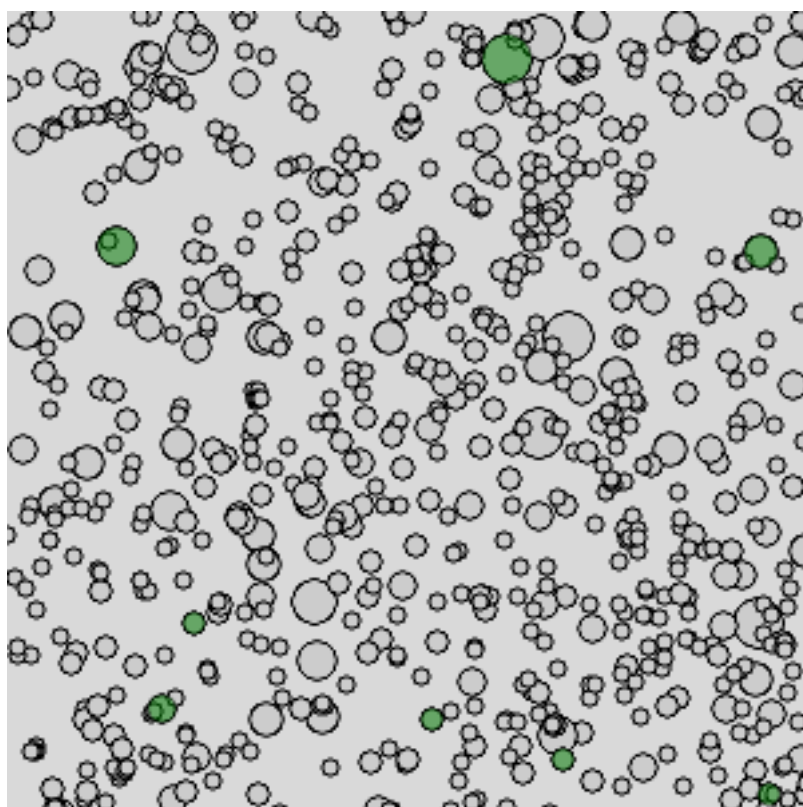
Number of habitat trees	[N]	8
Habitat value	pts.	647
	[% of total]	4.5
Economic value	[€]	610
	[% of total]	5.2
Number of microhabitats	[N]	33
	[% of total]	4.4

Habitat tree distribution by species (N in %)

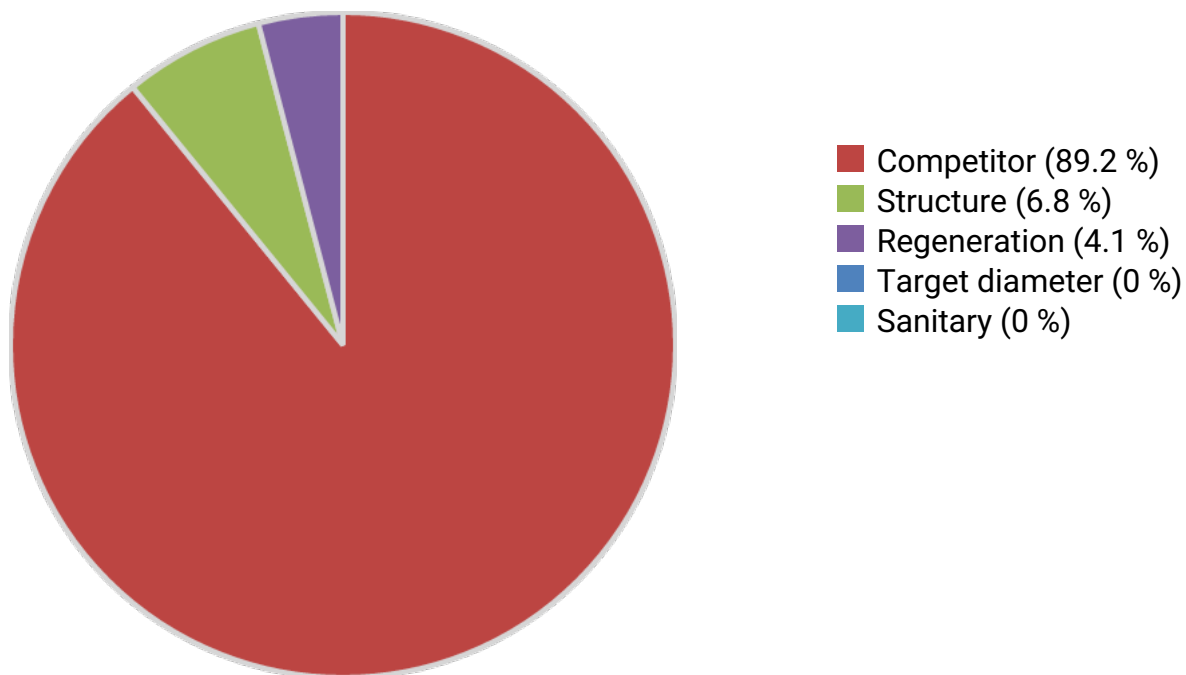


Turkey oak	50 %
common beech	12.5 %
field maple	12.5 %
Italian maple	12.5 %
hornbeam	12.5 %
sycamore maple	0 %
hazel	0 %
Lobels maple	0 %
small-leaved lime	0 %
cornelian cherry	0 %
European hop-hornbeam	0 %
wild service tree	0 %
common ash	0 %

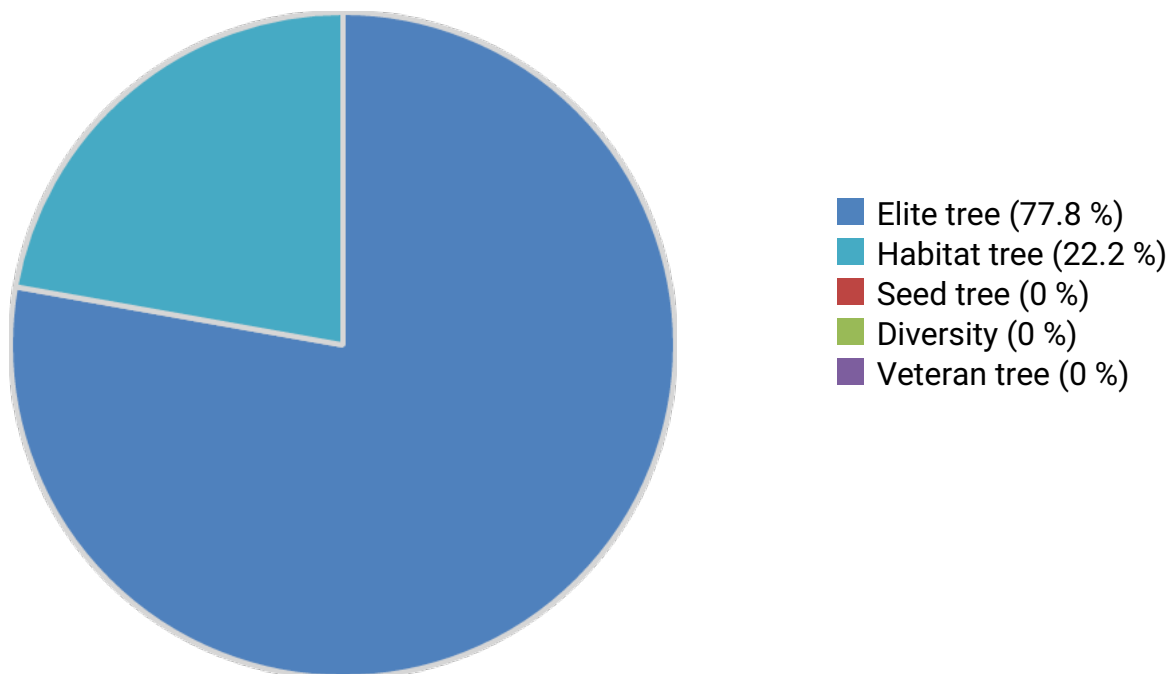
Spatial distribution of habitat trees



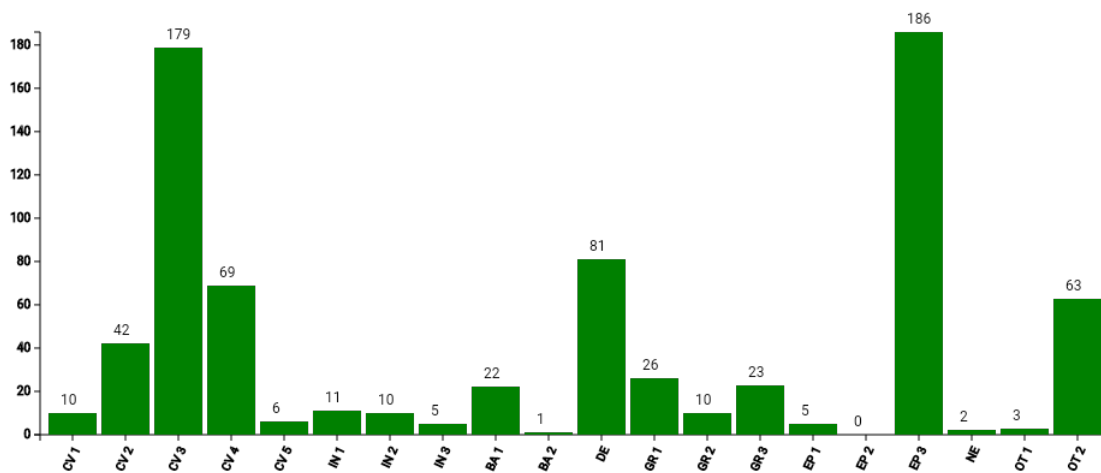
Reasons for removal



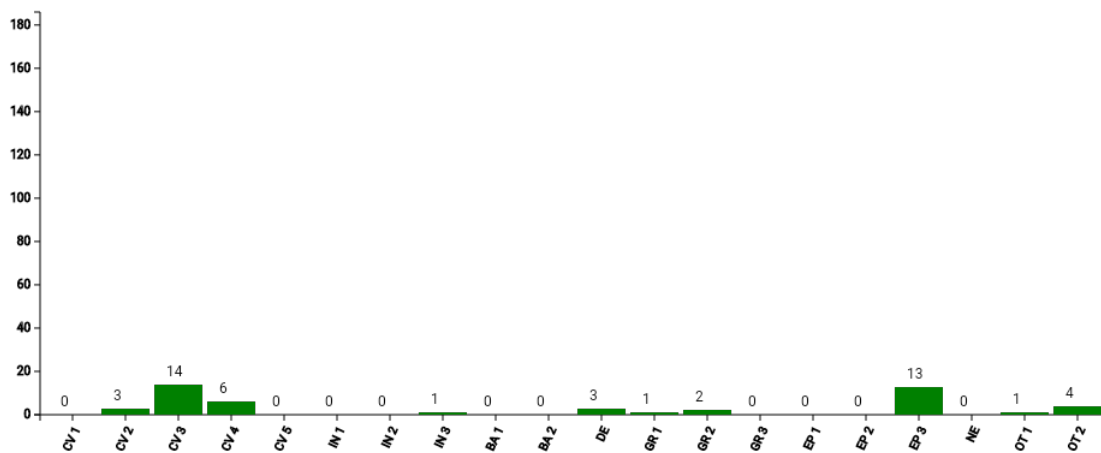
Reasons for retention



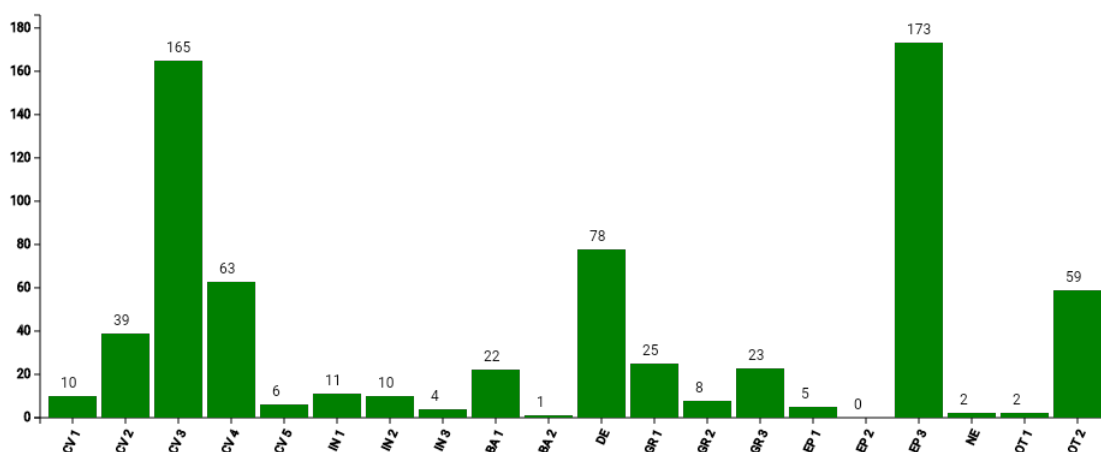
Distribution of tree microhabitats by code (N total)



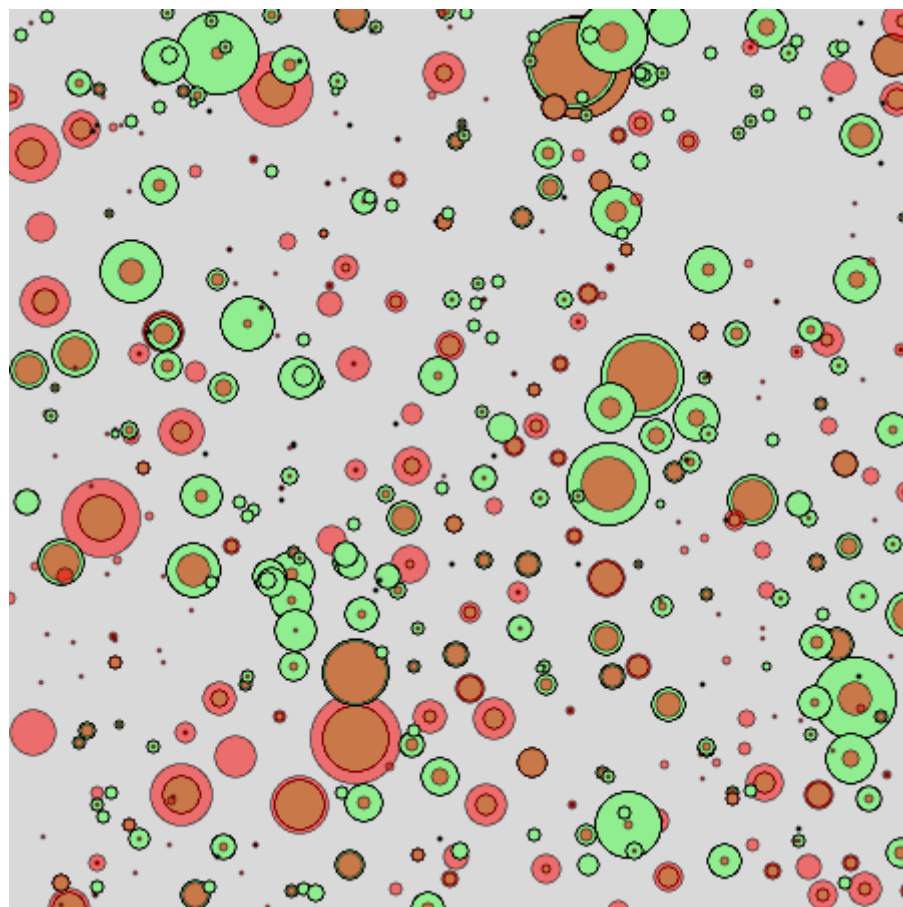
Removed tree microhabitats by code (N removed)



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
common beech (108) [REPLACE_DEAD]Fagus sylvatica	61	0.29	3.3	93	46	Competitor
hornbeam (39) [REPLACE_DEAD]Carpinus betulus	52	0.21	3.2	96	0	Competitor
hornbeam (116) [REPLACE_DEAD]Carpinus betulus	46	0.17	2.1	62	0	Competitor
Turkey oak (757) [REPLACE_DEAD]Quercus cerris	46	0.17	2.2	74	0	Competitor
Turkey oak (477) [REPLACE_DEAD]Quercus cerris	44	0.15	1.7	58	14	Competitor
Turkey oak (522) [REPLACE_DEAD]Quercus cerris	43.5	0.15	1.6	54	72	Competitor
Turkey oak (376) [REPLACE_DEAD]Quercus cerris	42	0.14	1.4	48	60	Competitor
Turkey oak (419) [REPLACE_DEAD]Quercus cerris	41	0.13	1.8	59	52	Competitor
Turkey oak (537) [REPLACE_DEAD]Quercus cerris	40	0.13	1.2	40	8	Competitor
common ash (342) [REPLACE_DEAD]Fraxinus excelsior	38	0.11	1	27	95	Competitor
Italian maple (195) [REPLACE_DEAD]Acer opalus	38	0.11	1.1	30	80	Competitor
Turkey oak (362) [REPLACE_DEAD]Quercus cerris	36	0.1	1	32	80	Competitor
Turkey oak (466) [REPLACE_DEAD]Quercus cerris	34	0.09	1	33	24	Competitor
Turkey oak (370) [REPLACE_DEAD]Quercus cerris	33.5	0.09	1.1	35	24	Competitor
Turkey oak (358) [REPLACE_DEAD]Quercus cerris	31	0.08	0.8	27	50	Structure
Turkey oak (796) [REPLACE_DEAD]Quercus cerris	31	0.08	0.8	28	0	Competitor
Turkey oak (374) [REPLACE_DEAD]Quercus cerris	30	0.07	0.7	22	0	Competitor
Turkey oak (456) [REPLACE_DEAD]Quercus cerris	28	0.06	0.6	19	24	Competitor
Turkey oak (457) [REPLACE_DEAD]Quercus cerris	27.5	0.06	0.7	22	28	Competitor
common beech (109) [REPLACE_DEAD]Fagus sylvatica	27	0.06	0.5	14	32	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Italian maple (712) [REPLACE_DEAD]Acer opalus	26	0.05	0.4	12	12	Competitor
common beech (693) [REPLACE_DEAD]Fagus sylvatica	26	0.05	0.6	16	0	Competitor
Turkey oak (519) [REPLACE_DEAD]Quercus cerris	24	0.05	0.5	16	8	Structure
Turkey oak (526) [REPLACE_DEAD]Quercus cerris	24	0.05	0.4	14	43	Competitor
common beech (732) [REPLACE_DEAD]Fagus sylvatica	23	0.04	0.4	11	24	Competitor
Italian maple (682) [REPLACE_DEAD]Acer opalus	23	0.04	0.4	9	38	Competitor
Turkey oak (428) [REPLACE_DEAD]Quercus cerris	23	0.04	0.4	12	52	Competitor
common ash (249) [REPLACE_DEAD]Fraxinus excelsior	22.5	0.04	0.4	9	8	Competitor
Turkey oak (462) Quercus cerris	22	0.04	0	1	0	Competitor
common beech (692) [REPLACE_DEAD]Fagus sylvatica	22	0.04	0.4	11	0	Competitor
common beech (78) [REPLACE_DEAD]Fagus sylvatica	22	0.04	0.3	10	0	Competitor
common beech (111) [REPLACE_DEAD]Fagus sylvatica	22	0.04	0.3	9	0	Competitor
hornbeam (220) [REPLACE_DEAD]Carpinus betulus	21.5	0.04	0.3	10	28	Competitor
Turkey oak (340) [REPLACE_DEAD]Quercus cerris	21.5	0.04	0.2	6	24	Competitor
hornbeam (216) [REPLACE_DEAD]Carpinus betulus	20	0.03	0.3	9	0	Competitor
hornbeam (691) [REPLACE_DEAD]Carpinus betulus	20	0.03	0.3	10	0	Competitor
common ash (62) [REPLACE_DEAD]Fraxinus excelsior	20	0.03	0.4	11	0	Competitor
hornbeam (214) [REPLACE_DEAD]Carpinus betulus	20	0.03	0.2	7	36	Competitor
Turkey oak (527) [REPLACE_DEAD]Quercus cerris	19	0.03	0.2	7	0	Regeneration
sycamore maple (395) [REPLACE_DEAD]Acer pseudoplatanus	18	0.03	0.2	5	0	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
sycamore maple (393) [REPLACE_DEAD]Acer pseudoplatanus	17.5	0.02	0.1	4	24	Competitor
common ash (45) [REPLACE_DEAD]Fraxinus excelsior	17	0.02	0.2	6	0	Competitor
hornbeam (687) [REPLACE_DEAD]Carpinus betulus	17	0.02	0.2	6	18	Competitor
Lobels maple (736) [REPLACE_DEAD]Acer lobelii	17	0.02	0.2	5	27	Competitor
Italian maple (515) [REPLACE_DEAD]Acer opalus	15.5	0.02	0.1	3	0	Competitor
Turkey oak (461) [REPLACE_DEAD]Quercus cerris	15	0.02	0.1	5	0	Competitor
Italian maple (529) [REPLACE_DEAD]Acer opalus	14	0.02	0.1	3	0	Regeneration
Turkey oak (467) [REPLACE_DEAD]Quercus cerris	13	0.01	0.1	3	0	Competitor
European hop-hornbeam (710) [REPLACE_DEAD]Ostrya carpinifolia	13	0.01	0.1	2	0	Competitor
common beech (733) [REPLACE_DEAD]Fagus sylvatica	13	0.01	0.1	2	0	Competitor
common ash (535) [REPLACE_DEAD]Fraxinus excelsior	12.5	0.01	0.1	2	0	Competitor
hornbeam (206) [REPLACE_DEAD]Carpinus betulus	12.5	0.01	0.1	3	0	Structure
Turkey oak (369) [REPLACE_DEAD]Quercus cerris	12.5	0.01	0.1	3	0	Competitor
common ash (735) [REPLACE_DEAD]Fraxinus excelsior	12	0.01	0.1	2	0	Competitor
common beech (86) [REPLACE_DEAD]Fagus sylvatica	12	0.01	0.1	2	0	Competitor
Turkey oak (367) [REPLACE_DEAD]Quercus cerris	12	0.01	0.1	3	0	Competitor
common beech (141) [REPLACE_DEAD]Fagus sylvatica	12	0.01	0.1	2	0	Structure
Italian maple (530) [REPLACE_DEAD]Acer opalus	12	0.01	0.1	2	0	Regeneration
Italian maple (686) [REPLACE_DEAD]Acer opalus	12	0.01	0.1	3	0	Competitor
common ash (689) [REPLACE_DEAD]Fraxinus excelsior	12	0.01	0.1	3	0	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
hornbeam (215) [REPLACE_DEAD]Carpinus betulus	11.5	0.01	0.1	3	0	Competitor
sycamore maple (392) Acer pseudoplatanus	11	0.01	0	1	32	Competitor
common ash (752) [REPLACE_DEAD]Fraxinus excelsior	11	0.01	0.1	2	0	Competitor
European hop-hornbeam (709) [REPLACE_DEAD]Ostrya carpinifolia	11	0.01	0.1	1	0	Competitor
common ash (695) [REPLACE_DEAD]Fraxinus excelsior	10	0.01	0.1	2	0	Structure
Lobels maple (236) [REPLACE_DEAD]Acer lobelii	10	0.01	0.1	2	0	Competitor
sycamore maple (514) [REPLACE_DEAD]Acer pseudoplatanus	9.5	0.01	0	1	0	Competitor
common beech (112) [REPLACE_DEAD]Fagus sylvatica	9	0.01	0	1	0	Competitor
Italian maple (363) [REPLACE_DEAD]Acer opalus	9	0.01	0	1	0	Competitor
common beech (734) [REPLACE_DEAD]Fagus sylvatica	8	0.01	0	1	0	Competitor
Italian maple (528) [REPLACE_DEAD]Acer opalus	8	0.01	0	1	0	Competitor
common ash (751) [REPLACE_DEAD]Fraxinus excelsior	8	0.01	0	1	0	Competitor
common ash (690) [REPLACE_DEAD]Fraxinus excelsior	8	0.01	0	1	0	Competitor
common beech (43) [REPLACE_DEAD]Fagus sylvatica	8	0.01	0	1	0	Competitor

Retention trees

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
common beech (48) [REPLACE_DEAD]Fagus sylvatica	77	0.47	4.6	129	76	Habitat tree
Turkey oak (244) [REPLACE_DEAD]Quercus cerris	75	0.44	5.2	173	199	Habitat tree
Turkey oak (68) [REPLACE_DEAD]Quercus cerris	63	0.31	4.8	161	94	Elite tree
Turkey oak (197) [REPLACE_DEAD]Quercus cerris	63	0.31	4.8	159	79	Elite tree
Turkey oak (377) [REPLACE_DEAD]Quercus cerris	59	0.27	3.5	118	109	Elite tree
common beech (115) [REPLACE_DEAD]Fagus sylvatica	57.5	0.26	3.6	100	51	Elite tree
Turkey oak (439) [REPLACE_DEAD]Quercus cerris	49.5	0.19	2.5	84	46	Habitat tree
Turkey oak (762) [REPLACE_DEAD]Quercus cerris	49	0.19	2.5	84	87	Elite tree
Turkey oak (436) [REPLACE_DEAD]Quercus cerris	49	0.19	2.5	84	43	Elite tree
Turkey oak (387) [REPLACE_DEAD]Quercus cerris	46	0.17	2	66	35	Habitat tree
hornbeam (144) [REPLACE_DEAD]Carpinus betulus	44	0.15	1.7	50	129	Habitat tree
Turkey oak (487) [REPLACE_DEAD]Quercus cerris	43.5	0.15	2	67	24	Habitat tree
Turkey oak (511) [REPLACE_DEAD]Quercus cerris	43	0.15	1.6	55	44	Elite tree
Turkey oak (365) [REPLACE_DEAD]Quercus cerris	40	0.13	1.6	52	0	Elite tree
Italian maple (697) [REPLACE_DEAD]Acer opalus	40	0.13	1.2	31	102	Habitat tree
Turkey oak (799) [REPLACE_DEAD]Quercus cerris	40	0.13	1.6	53	55	Elite tree
Turkey oak (694) [REPLACE_DEAD]Quercus cerris	39	0.12	1.6	53	87	Elite tree
common beech (110) [REPLACE_DEAD]Fagus sylvatica	37	0.11	1.3	36	20	Elite tree
common ash (703) [REPLACE_DEAD]Fraxinus excelsior	35	0.1	1	26	56	Elite tree
Lobels maple (161) [REPLACE_DEAD]Acer lobelii	33	0.09	0.8	21	0	Elite tree
common beech (683)	31	0.08	0.9	24	8	Elite tree

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
[REPLACE_DEAD]Fagus sylvatica						
European hop-hornbeam (711) [REPLACE_DEAD]Ostrya carpinifolia	30	0.07	0.6	17	0	Elite tree
Turkey oak (73) [REPLACE_DEAD]Quercus cerris	30	0.07	0.8	27	24	Elite tree
Turkey oak (341) [REPLACE_DEAD]Quercus cerris	28	0.06	0.6	19	31	Elite tree
Turkey oak (468) [REPLACE_DEAD]Quercus cerris	27	0.06	0.7	22	0	Elite tree
common beech (235) [REPLACE_DEAD]Fagus sylvatica	26	0.05	0.5	14	0	Elite tree
field maple (473) [REPLACE_DEAD]Acer campestre	26	0.05	0.4	11	36	Habitat tree
common beech (90) [REPLACE_DEAD]Fagus sylvatica	24	0.05	0.5	14	0	Elite tree
Turkey oak (394) [REPLACE_DEAD]Quercus cerris	23.5	0.04	0.4	14	24	Elite tree
common ash (750) [REPLACE_DEAD]Fraxinus excelsior	21	0.04	0.3	8	27	Elite tree
wild service tree (418) [REPLACE_DEAD]Sorbus torminalis	16	0.02	0.1	3	0	Elite tree
wild service tree (417) [REPLACE_DEAD]Sorbus torminalis	15	0.02	0.1	3	0	Elite tree
wild service tree (410) [REPLACE_DEAD]Sorbus torminalis	14.5	0.02	0.1	2	0	Elite tree
European hop-hornbeam (44) [REPLACE_DEAD]Ostrya carpinifolia	14	0.02	0.1	3	0	Elite tree
hornbeam (408) [REPLACE_DEAD]Carpinus betulus	13	0.01	0.1	3	0	Elite tree
common ash (536) [REPLACE_DEAD]Fraxinus excelsior	12	0.01	0.1	2	0	Elite tree