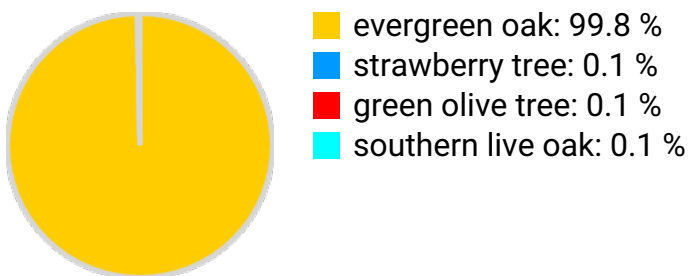


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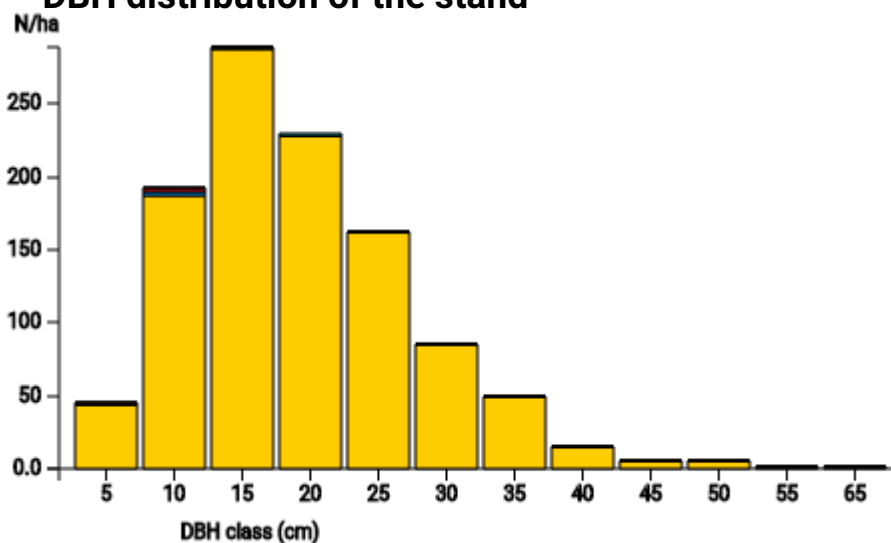
### Site conditions

Altitude: 550 m.a.s.l.  
 Forest ecological region: Sardinia  
 Geology / Bedrock: Formations of volcanic origin (rhyolites, riodacites, obsidians)  
 Soil type: From Lithic to Typic Haploxerepts  
 Natural forest community: Galio scabri-Quercetum ilicis  
 Mean annual temperature: 16.3 C;  
 Mean annual precipitation: 674 mm; Ownership: Public (Municipality of Pau - Oristano);  
 Establishment: 2021

### Tree species distribution by volume (in %)



### DBH distribution of the stand



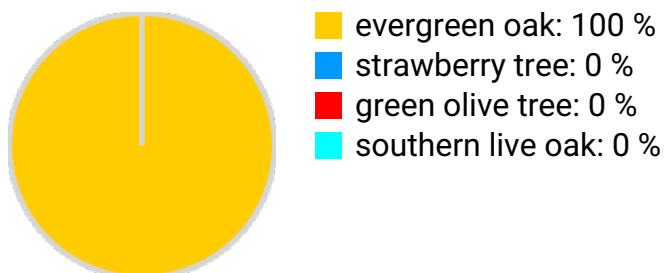
### Initial stand (details by tree species)

Tree species	N/ha	Basal area (m <sup>2</sup> )	Volume (m <sup>3</sup> )	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
evergreen oak	1074	44.6	383.2	49811	9402	1376
green olive tree	4	0	0.2	28	34	3
southern live oak	1	0	0.3	33	10	2
strawberry tree	5	0.1	0.3	43	0	0
Total	1084	44.7	384	49915	9446	1381

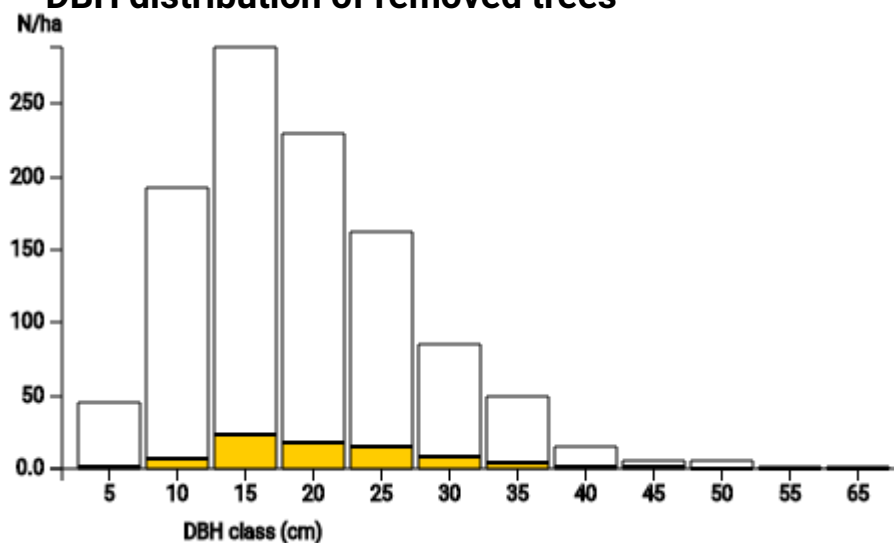
### Removed trees

Volume: 30.2 m<sup>3</sup>  
 Basal area: 3.5 m<sup>2</sup>  
 Economic value: 3926 €  
 Habitat value: 718 pts.

### Removed trees (N in %)



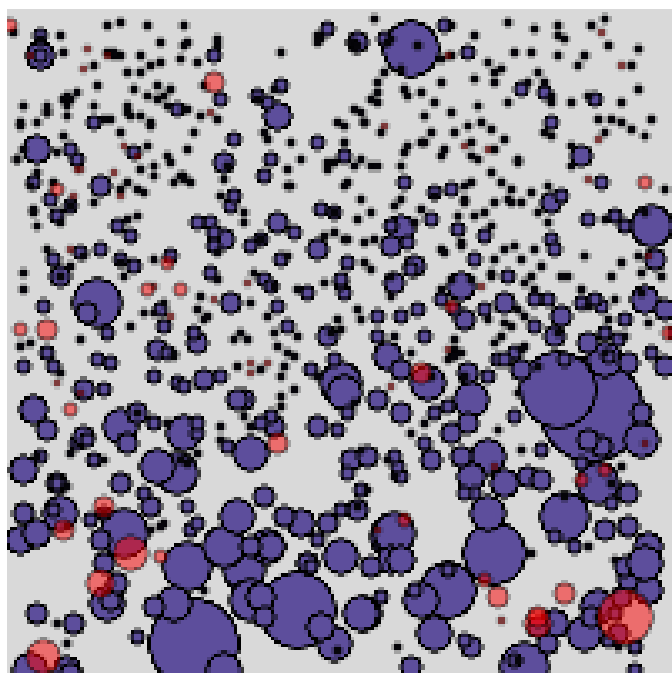
### DBH distribution of removed trees



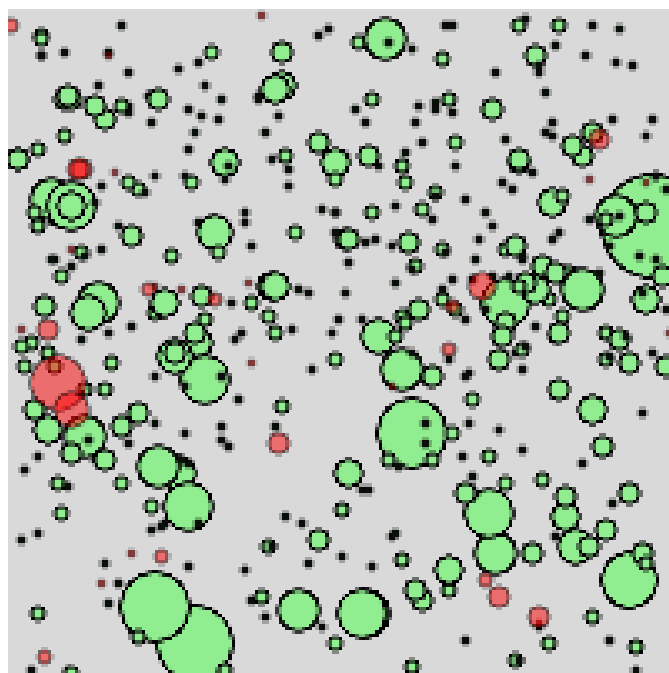
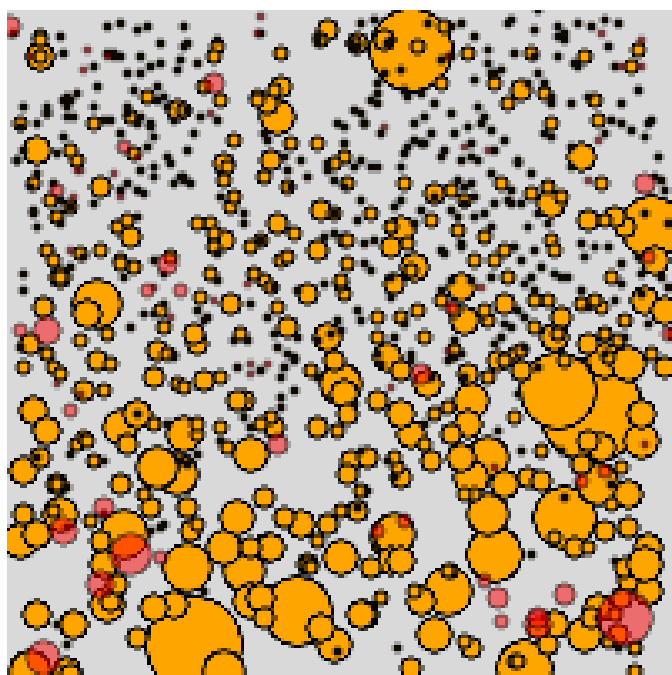
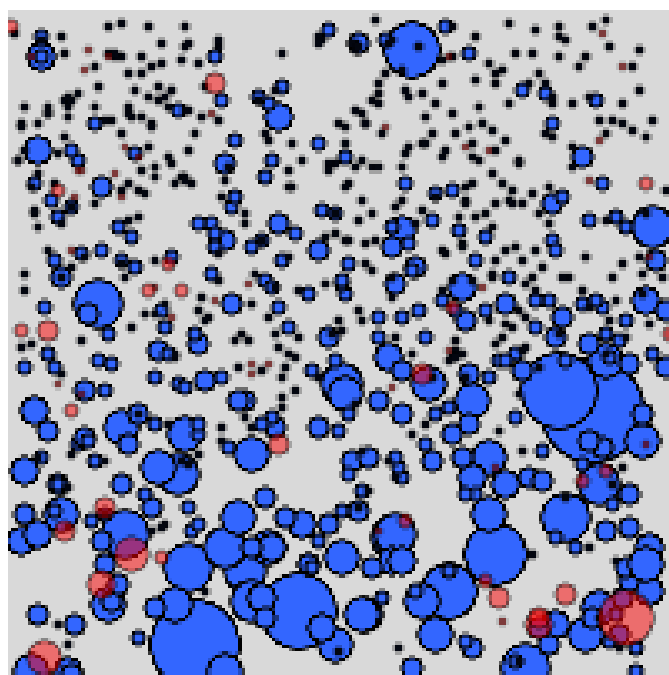
### Removed trees (details by tree species)

Tree species	N/ha	Basal area (m <sup>2</sup> )	Volume (m <sup>3</sup> )	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
evergreen oak	80	3.5	30.2	3926	718	100
green olive tree	0	0	0	0	0	0
southern live oak	0	0	0	0	0	0
strawberry tree	0	0	0	0	0	0
<b>Total</b>	<b>80</b>	<b>3.5</b>	<b>30.2</b>	<b>3926</b>	<b>718</b>	<b>100</b>

Economic value [EUR]



Habitat value

Basal area [m<sup>2</sup>]Volume [m<sup>3</sup>]**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.

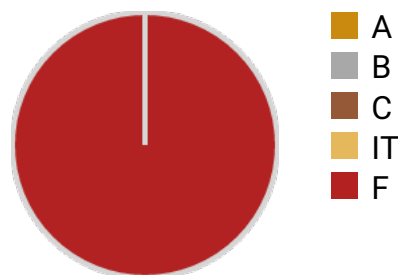
### Economic values

Total value of removed trees: 3926 €  
 Percentage of total stand value: 7.9 %  
 Stand value after harvest: 45989 €

### Economic value by tree species [€]

Tree species	Total	Per m <sup>3</sup>
evergreen oak	3926	130
strawberry tree	0	0
green olive tree	0	0
southern live oak	0	0
Total	3926	130

### Wood quality distribution (m<sup>3</sup> in %)



Quality class	m <sup>3</sup>	%
A	0	0
B	0	0
C	0	0
Industrial Timber	0	0
Fuelwood	30.2	100

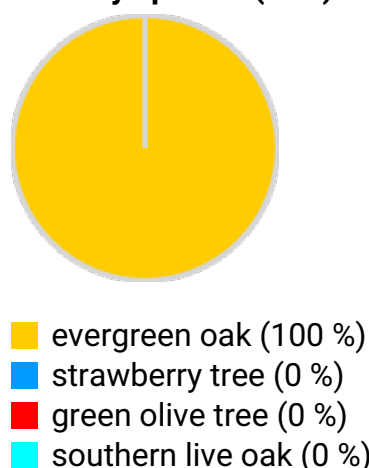
### Habitat values

Total habitat value of removed trees: 718 pts.  
 Percentage of total stand value: 7.6 %  
 Stand value after harvest: 8728 pts.

### Habitat value by tree species [pts.]

Tree species	Total	Per m <sup>3</sup>	Microhabitats [N]
evergreen oak	718	23.8	100
strawberry tree	0	0	0
green olive tree	0	0	0
southern live oak	0	0	0
Total	718	23.8	100

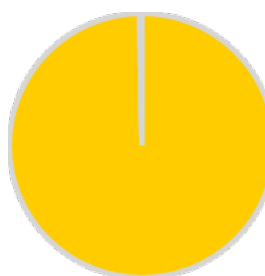
### Habitat value (points) of removed trees by species (in %)



### Remaining stand

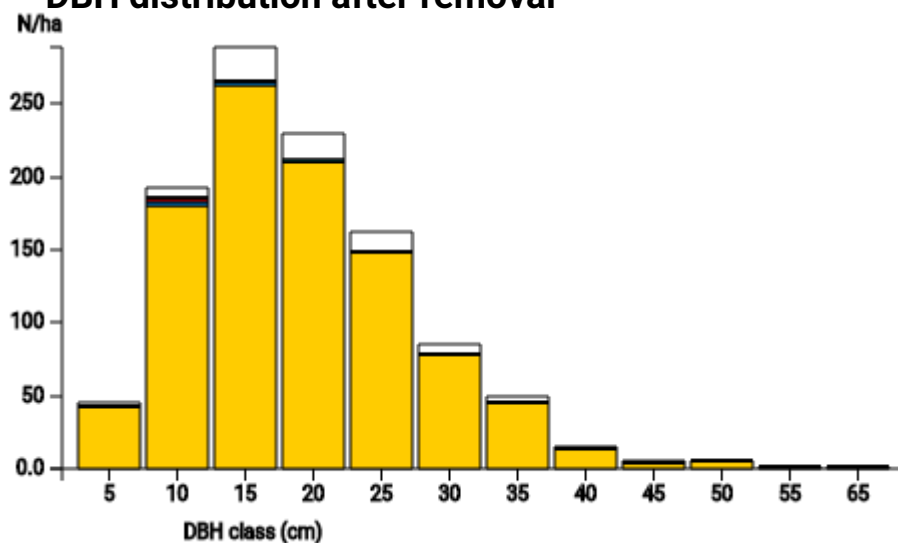
Volume: 354.4 m<sup>3</sup>  
 Basal area: 42.1 m<sup>2</sup>  
 Economic value: 45989 €  
 Habitat value: 8728 pts.

### Remaining trees by volume (m<sup>3</sup> in %)



- evergreen oak: 99.8 %
- strawberry tree: 0.1 %
- green olive tree: 0.1 %
- southern live oak: 0.1 %

### DBH distribution after removal



### Remaining stand (details by tree species)

Tree species	N/ha	Basal area (m <sup>2</sup> )	Volume (m <sup>3</sup> )	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
evergreen oak	994	41.1	353	45885	8684	1276
green olive tree	4	0	0.2	28	34	3
southern live oak	1	0	0.3	33	10	2
strawberry tree	5	0.1	0.3	43	0	0
<b>Total</b>	<b>1004</b>	<b>41.2</b>	<b>353.8</b>	<b>45989</b>	<b>8728</b>	<b>1281</b>

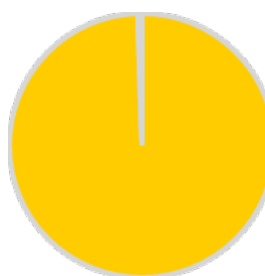
**Retention trees**Volume: 53.6 m<sup>3</sup>

Elite trees: 40

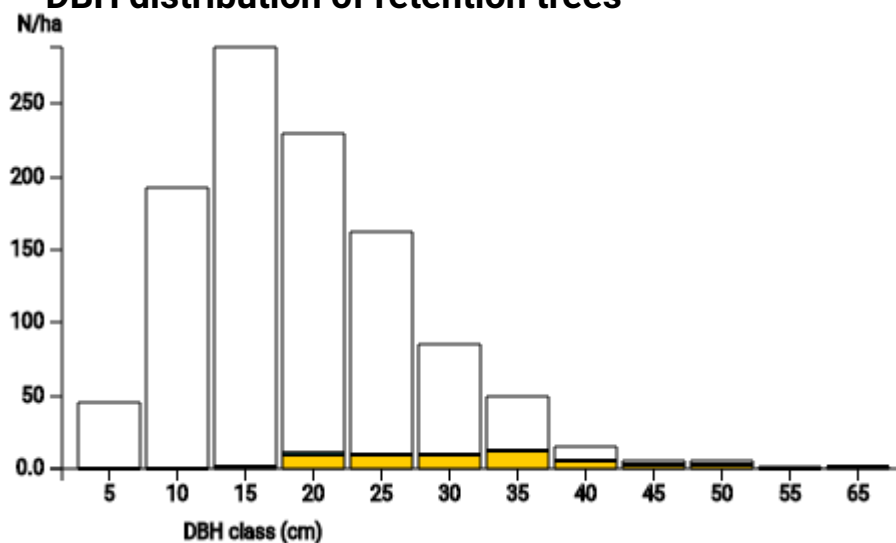
Habitat trees: 12

Economic value: 6965 €

Habitat value: 1201 pts.

**Retention trees by volume (m<sup>3</sup> in %)**

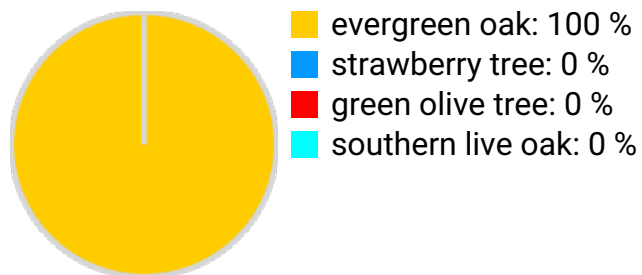
- evergreen oak: 99.5 %
- southern live oak: 0.5 %
- strawberry tree: 0 %
- green olive tree: 0 %

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

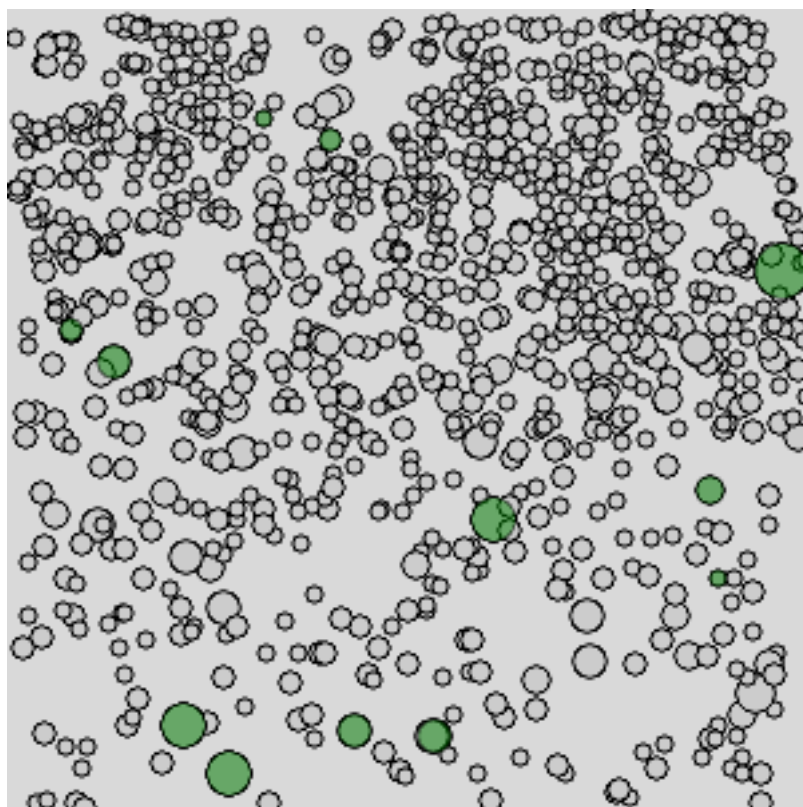
Tree species	N/ha	Basal area (m <sup>2</sup> )	Volume (m <sup>3</sup> )	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
evergreen oak	56	5.7	53.3	6932	1191	152
green olive tree	0	0	0	0	0	0
southern live oak	1	0	0.3	33	10	2
strawberry tree	0	0	0	0	0	0
<b>Total</b>	<b>57</b>	<b>5.8</b>	<b>53.6</b>	<b>6965</b>	<b>1201</b>	<b>154</b>

Number of habitat trees	[N]	12
Habitat value	pts.	693
	[% of total]	7.3
Economic value	[€]	2296
	[% of total]	4.6
Number of microhabitats	[N]	70
	[% of total]	5.1

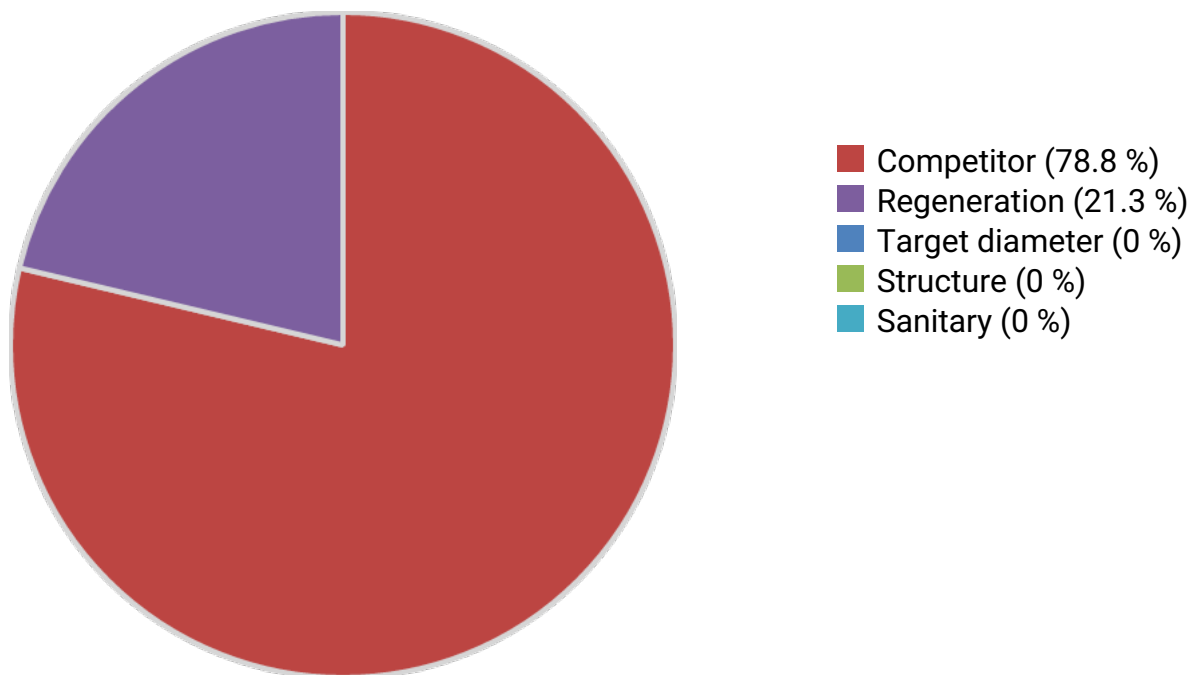
### Habitat tree distribution by species (N in %)



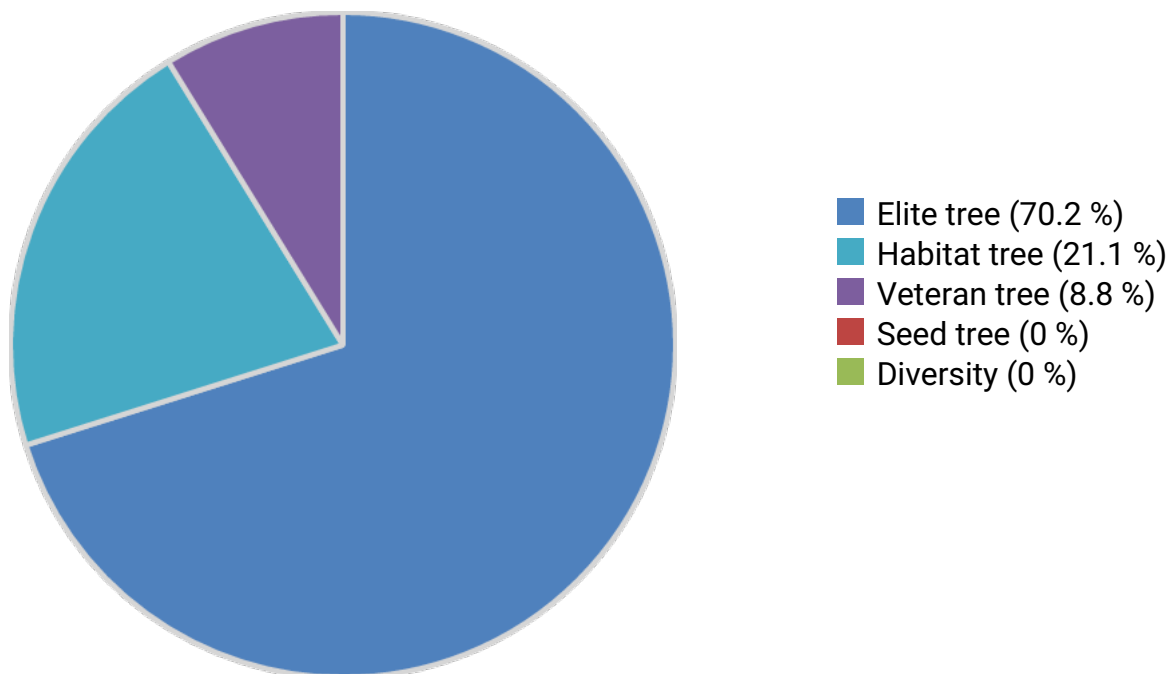
### Spatial distribution of habitat trees



### Reasons for removal

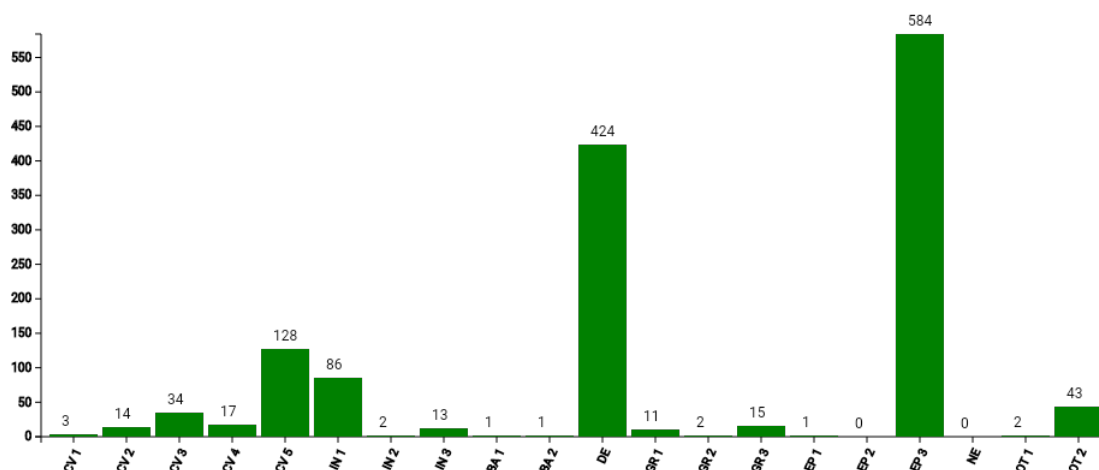


### Reasons for retention

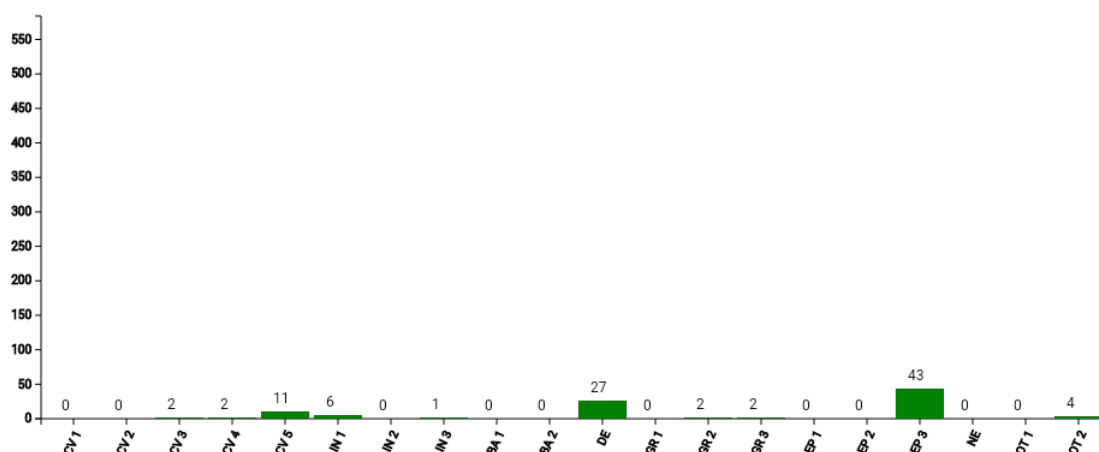




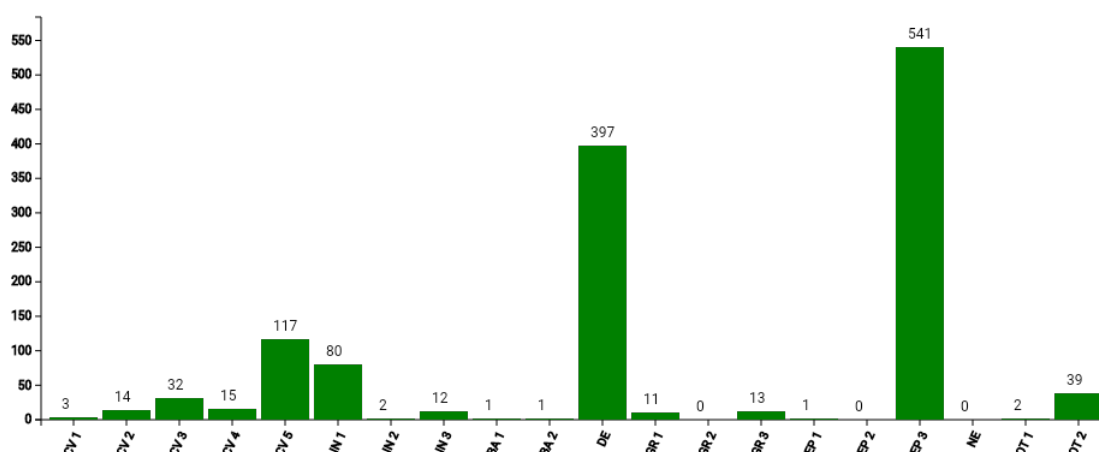
### Distribution of tree microhabitats by code (N total)



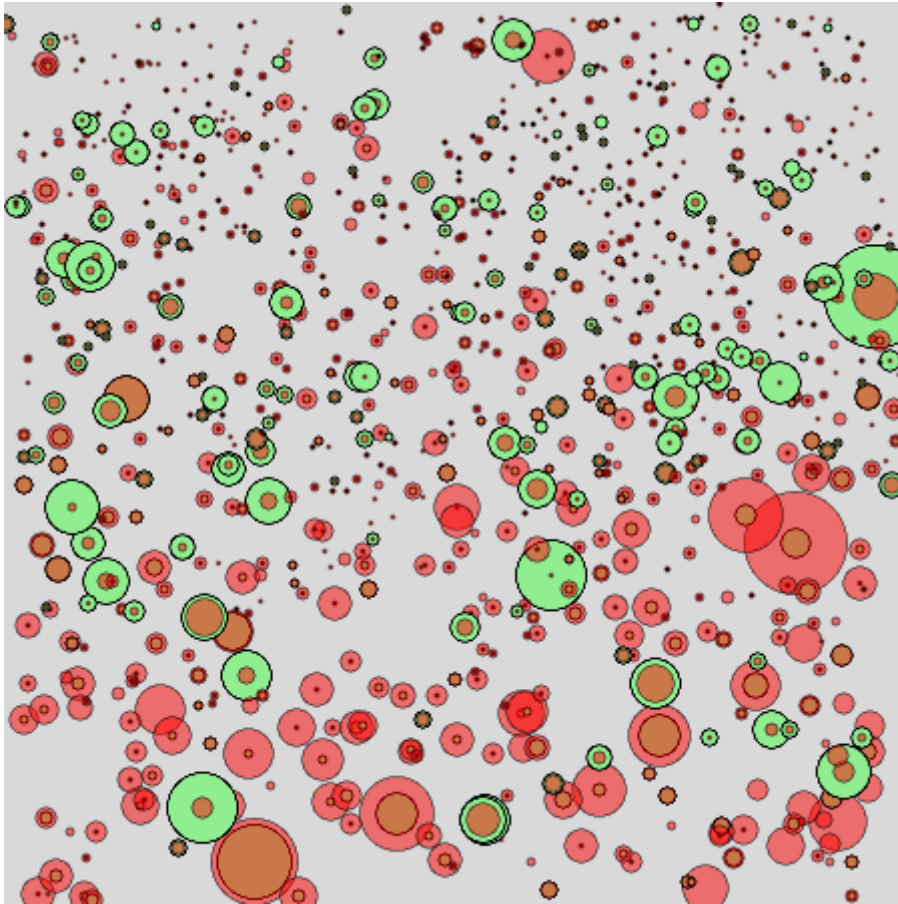
### Removed tree microhabitats by code (N removed)



### 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 <sup>2</sup> )	Volume (m <sup>3</sup> )	Economic value (€)	Habitat value (pts.)	Reason
evergreen oak (593) Quercus ilex	48	0.18	2	265	0	Competitor
evergreen oak (421) Quercus ilex	41	0.13	1.3	165	10	Competitor
evergreen oak (453) Quercus ilex	39	0.12	1.1	145	16	Competitor
evergreen oak (434) Quercus ilex	35	0.1	0.9	113	6	Regeneration
evergreen oak (586) Quercus ilex	35	0.1	0.9	116	12	Competitor
evergreen oak (419) Quercus ilex	35	0.1	0.9	112	0	Regeneration
evergreen oak (307) Quercus ilex	33	0.09	0.9	111	24	Competitor
evergreen oak (574) Quercus ilex	32	0.08	0.7	89	0	Competitor
evergreen oak (475) Quercus ilex	32	0.08	0.8	107	4	Competitor
evergreen oak (585) Quercus ilex	31	0.08	0.7	86	24	Competitor
evergreen oak (253) Quercus ilex	30.5	0.07	0.6	74	0	Competitor
evergreen oak (77) Quercus ilex	30	0.07	0.6	81	4	Competitor
evergreen oak (923) Quercus ilex	30	0.07	0.6	74	6	Regeneration
evergreen oak (575) Quercus ilex	30	0.07	0.6	82	24	Regeneration
evergreen oak (390) Quercus ilex	29	0.07	0.6	81	25	Regeneration
evergreen oak (1) Quercus ilex	29	0.07	0.5	59	21	Competitor
evergreen oak (399) Quercus ilex	29	0.07	0.7	91	4	Competitor
evergreen oak (543) Quercus ilex	27.5	0.06	0.6	77	4	Competitor
evergreen oak (357) Quercus ilex	27	0.06	0.5	63	42	Competitor
evergreen oak (536) Quercus ilex	27	0.06	0.5	71	4	Competitor
evergreen oak (197)	26	0.05	0.4	58	4	Competitor

Tree	DBH (cm)	Basal area (m <sup>2</sup> )	Volume (m <sup>3</sup> )	Economic value (€)	Habitat value (pts.)	Reason
Quercus ilex						
evergreen oak (570) Quercus ilex	26	0.05	0.5	65	18	Regeneration
evergreen oak (1024) Quercus ilex	26	0.05	0.5	61	20	Competitor
evergreen oak (518) Quercus ilex	25.5	0.05	0.5	63	4	Competitor
evergreen oak (1016) Quercus ilex	25	0.05	0.4	48	0	Competitor
evergreen oak (270) Quercus ilex	25	0.05	0.4	56	12	Regeneration
evergreen oak (422) Quercus ilex	25	0.05	0.5	59	18	Competitor
evergreen oak (1078) Quercus ilex	25	0.05	0.4	58	10	Competitor
evergreen oak (306) Quercus ilex	25	0.05	0.5	62	10	Competitor
evergreen oak (268) Quercus ilex	24	0.05	0.4	50	14	Regeneration
evergreen oak (141) Quercus ilex	24	0.05	0.3	45	0	Competitor
evergreen oak (544) Quercus ilex	23	0.04	0.3	38	4	Competitor
evergreen oak (584) Quercus ilex	23	0.04	0.3	44	0	Regeneration
evergreen oak (836) Quercus ilex	22	0.04	0.3	40	4	Competitor
evergreen oak (883) Quercus ilex	22	0.04	0.3	42	10	Competitor
evergreen oak (343) Quercus ilex	22	0.04	0.4	47	4	Competitor
evergreen oak (174) Quercus ilex	21.5	0.04	0.3	37	28	Competitor
evergreen oak (212) Quercus ilex	21.5	0.04	0.3	35	4	Competitor
evergreen oak (41) Quercus ilex	21	0.04	0.2	32	8	Competitor
evergreen oak (272) Quercus ilex	21	0.04	0.3	42	10	Competitor
evergreen oak (245) Quercus ilex	21	0.04	0.3	35	10	Competitor

Tree	DBH (cm)	Basal area (m <sup>2</sup> )	Volume (m <sup>3</sup> )	Economic value (€)	Habitat value (pts.)	Reason
evergreen oak (665) Quercus ilex	21	0.04	0.2	30	4	Competitor
evergreen oak (173) Quercus ilex	21	0.04	0.3	35	28	Competitor
evergreen oak (1045) Quercus ilex	21	0.04	0.3	36	14	Competitor
evergreen oak (520) Quercus ilex	20.5	0.03	0.3	33	4	Competitor
evergreen oak (331) Quercus ilex	20	0.03	0.3	37	70	Competitor
evergreen oak (516) Quercus ilex	20	0.03	0.2	25	4	Competitor
evergreen oak (1004) Quercus ilex	19.5	0.03	0.3	33	34	Competitor
evergreen oak (281) Quercus ilex	19.5	0.03	0.3	34	20	Competitor
evergreen oak (208) Quercus ilex	19	0.03	0.2	32	0	Competitor
evergreen oak (674) Quercus ilex	19	0.03	0.2	28	4	Competitor
evergreen oak (332) Quercus ilex	19	0.03	0.3	33	8	Competitor
evergreen oak (751) Quercus ilex	19	0.03	0.2	29	4	Competitor
evergreen oak (340) Quercus ilex	18	0.03	0.2	28	4	Competitor
evergreen oak (341) Quercus ilex	18	0.03	0.2	29	10	Competitor
evergreen oak (842) Quercus ilex	18	0.03	0.2	22	28	Competitor
evergreen oak (726) Quercus ilex	18	0.03	0.1	16	0	Competitor
evergreen oak (269) Quercus ilex	18	0.03	0.2	26	10	Regeneration
evergreen oak (108) Quercus ilex	17.5	0.02	0.2	24	0	Competitor
evergreen oak (35) Quercus ilex	17.5	0.02	0.2	23	0	Competitor
evergreen oak (477) Quercus ilex	17	0.02	0.2	28	6	Competitor

Tree	DBH (cm)	Basal area (m <sup>2</sup> )	Volume (m <sup>3</sup> )	Economic value (€)	Habitat value (pts.)	Reason
Quercus ilex						
evergreen oak (724) Quercus ilex	17	0.02	0.1	18	0	Competitor
evergreen oak (39) Quercus ilex	17	0.02	0.2	21	0	Competitor
evergreen oak (166) Quercus ilex	17	0.02	0.2	24	4	Competitor
evergreen oak (18) Quercus ilex	16.5	0.02	0.1	16	12	Regeneration
evergreen oak (292) Quercus ilex	16.5	0.02	0.2	24	4	Competitor
evergreen oak (65) Quercus ilex	16	0.02	0.1	18	0	Competitor
evergreen oak (676) Quercus ilex	15.5	0.02	0.1	17	4	Competitor
evergreen oak (175) Quercus ilex	15	0.02	0.1	17	12	Competitor
evergreen oak (20) Quercus ilex	15	0.02	0.1	13	4	Regeneration
evergreen oak (142) Quercus ilex	14	0.02	0.1	16	0	Competitor
evergreen oak (301) Quercus ilex	13	0.01	0.1	12	4	Competitor
evergreen oak (52) Quercus ilex	12.5	0.01	0.1	9	0	Regeneration
evergreen oak (55) Quercus ilex	12	0.01	0.1	8	0	Regeneration
evergreen oak (21) Quercus ilex	12	0.01	0.1	8	0	Regeneration
evergreen oak (781) [REPLACE_DEAD]Quercus ilex	11	0.01	0	6	0	Competitor
evergreen oak (54) Quercus ilex	10.5	0.01	0	6	0	Regeneration
evergreen oak (812) Quercus ilex	9	0.01	0	6	0	Competitor
evergreen oak (17) Quercus ilex	8	0.01	0	3	0	Regeneration

## Retention trees

Tree	DBH (cm)	Basal area (m <sup>2</sup> )	Volume (m <sup>3</sup> )	Economic value (€)	Habitat value (pts.)	Reason
evergreen oak (490) Quercus ilex	67	0.35	3.7	475	40	Habitat tree
evergreen oak (449) Quercus ilex	65.5	0.34	3.1	408	100	Habitat tree
evergreen oak (439) Quercus ilex	54	0.23	2.7	347	56	Habitat tree
evergreen oak (977) Quercus ilex	53	0.22	1.6	204	140	Habitat tree
evergreen oak (561) Quercus ilex	50	0.2	2.2	280	58	Elite tree
evergreen oak (286) Quercus ilex	47.5	0.18	1.6	208	60	Habitat tree
evergreen oak (431) Quercus ilex	47	0.17	1.7	220	10	Elite tree
evergreen oak (411) Quercus ilex	46	0.17	1.8	231	0	Elite tree
evergreen oak (542) Quercus ilex	43	0.15	1.3	167	66	Veteran tree
evergreen oak (537) Quercus ilex	42	0.14	1.4	176	0	Habitat tree
evergreen oak (547) Quercus ilex	42	0.14	1.6	202	10	Elite tree
evergreen oak (548) Quercus ilex	42	0.14	1.5	190	10	Elite tree
evergreen oak (509) Quercus ilex	41	0.13	1.3	170	16	Elite tree
evergreen oak (515) Quercus ilex	40	0.13	1.2	161	4	Elite tree
evergreen oak (583) Quercus ilex	38	0.11	1.1	147	4	Elite tree
evergreen oak (376) Quercus ilex	38	0.11	1.2	150	10	Elite tree
evergreen oak (389) Quercus ilex	38	0.11	1.1	147	4	Elite tree
evergreen oak (114) Quercus ilex	37.5	0.11	0.9	114	12	Habitat tree
evergreen oak (1003) Quercus ilex	37	0.11	1	125	4	Elite tree
evergreen oak (577) Quercus ilex	37	0.11	1.2	150	66	Habitat tree
evergreen oak (4/4)	37	0.11	1.2	154	10	Elite tree

Tree	DBH (cm)	Basal area (m <sup>2</sup> )	Volume (m <sup>3</sup> )	Economic value (€)	Habitat value (pts.)	Reason
Quercus ilex						
evergreen oak (588) Quercus ilex	37	0.11	1	136	4	Elite tree
evergreen oak (496) Quercus ilex	37	0.11	0.1	19	96	Habitat tree
evergreen oak (37) Quercus ilex	36.5	0.11	1	124	10	Veteran tree
evergreen oak (418) Quercus ilex	36	0.1	1.1	139	12	Veteran tree
evergreen oak (452) Quercus ilex	35	0.1	1	131	10	Elite tree
evergreen oak (442) Quercus ilex	34	0.09	0.8	99	94	Habitat tree
evergreen oak (1015) Quercus ilex	34	0.09	0.7	97	10	Elite tree
evergreen oak (572) Quercus ilex	34	0.09	1	125	0	Elite tree
evergreen oak (378) Quercus ilex	33	0.09	0.9	114	8	Elite tree
evergreen oak (356) Quercus ilex	32	0.08	0.7	93	16	Elite tree
evergreen oak (280) Quercus ilex	31.5	0.08	0.7	92	10	Elite tree
evergreen oak (451) Quercus ilex	31	0.08	0.7	90	14	Elite tree
evergreen oak (1050) Quercus ilex	31	0.08	0.7	89	18	Elite tree
evergreen oak (594) Quercus ilex	31	0.08	0.7	91	0	Elite tree
evergreen oak (195) Quercus ilex	31	0.08	0.7	86	10	Elite tree
evergreen oak (328) Quercus ilex	28.5	0.06	0.4	46	22	Elite tree
evergreen oak (1030) Quercus ilex	28	0.06	0.6	75	4	Elite tree
evergreen oak (241) Quercus ilex	28	0.06	0.6	74	20	Elite tree
evergreen oak (303) Quercus ilex	28	0.06	0.5	65	4	Elite tree
evergreen oak (36) Quercus ilex	28	0.06	0.5	69	10	Veteran tree



Tree	DBH (cm)	Basal area (m <sup>2</sup> )	Volume (m <sup>3</sup> )	Economic value (€)	Habitat value (pts.)	Reason
evergreen oak (467) Quercus ilex	26	0.05	0.4	58	8	Elite tree
evergreen oak (882) Quercus ilex	26	0.05	0.4	50	4	Elite tree
evergreen oak (167) Quercus ilex	25	0.05	0.4	56	4	Elite tree
evergreen oak (247) Quercus ilex	25	0.05	0.5	59	10	Elite tree
evergreen oak (1079) Quercus ilex	24	0.05	0.4	52	6	Elite tree
evergreen oak (696) Quercus ilex	24	0.05	0.3	41	4	Elite tree
evergreen oak (266) Quercus ilex	24	0.05	0.4	47	21	Habitat tree
evergreen oak (109) Quercus ilex	23.5	0.04	0.4	49	8	Habitat tree
southern live oak (725) Quercus virgiliana	22.5	0.04	0.3	33	10	Elite tree
evergreen oak (813) Quercus ilex	22	0.04	0.3	36	4	Elite tree
evergreen oak (34) Quercus ilex	22	0.04	0.3	44	0	Elite tree
evergreen oak (207) Quercus ilex	21	0.04	0.3	36	36	Elite tree
evergreen oak (383) Quercus ilex	21	0.04	0.3	37	26	Veteran tree
evergreen oak (780) Quercus ilex	20	0.03	0.2	29	4	Elite tree
evergreen oak (342) Quercus ilex	20	0.03	0.2	29	4	Elite tree
evergreen oak (64) Quercus ilex	19.5	0.03	0.2	29	0	Elite tree