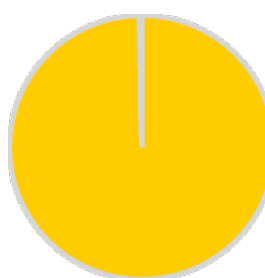


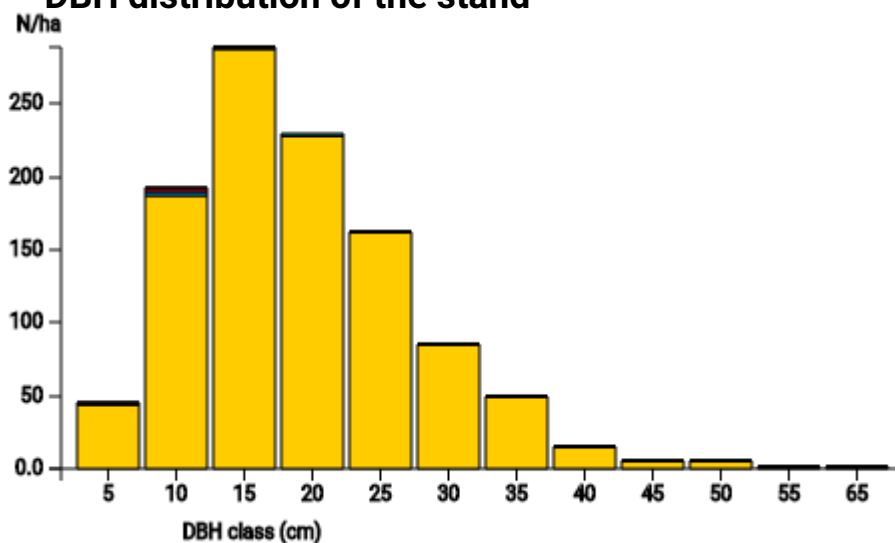
09/06/2021 Sardegna_Gruppo D 9 giu

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 %)

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

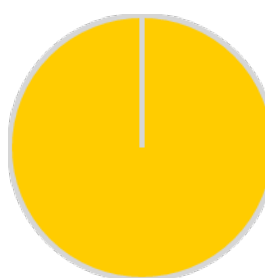
DBH distribution of the stand**Initial stand (details by tree species)**

Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
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 treesVolume: 49.4 m³Basal area: 5.4 m²

Economic value: 6420 €

Habitat value: 1190 pts.

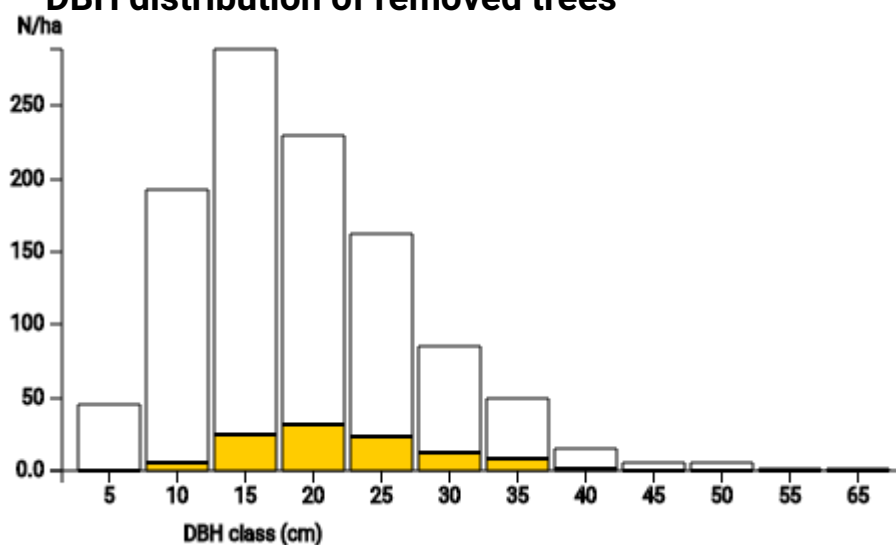
Removed trees (N in %)

evergreen oak: 100 %

strawberry tree: 0 %

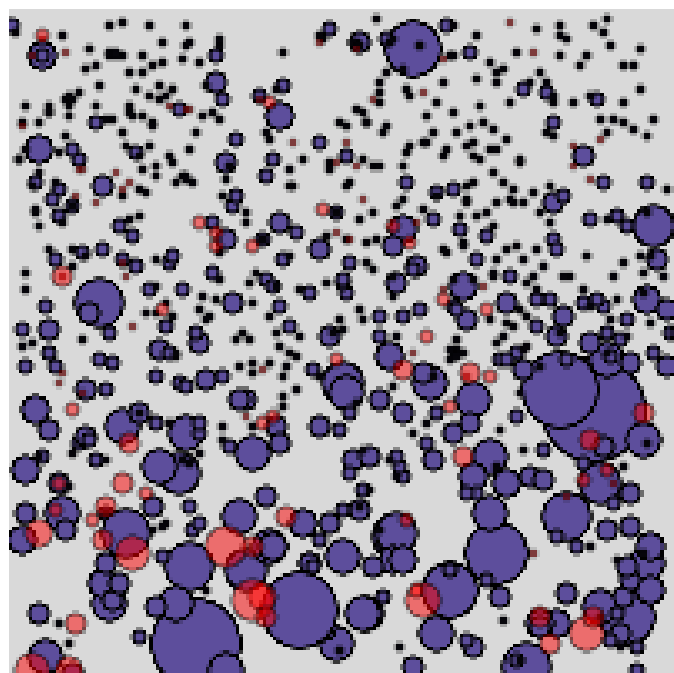
green olive tree: 0 %

southern live oak: 0 %

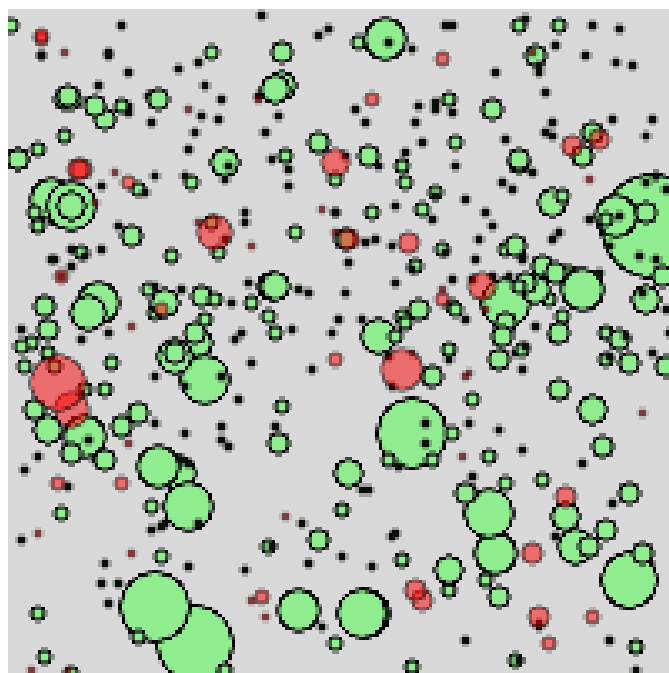
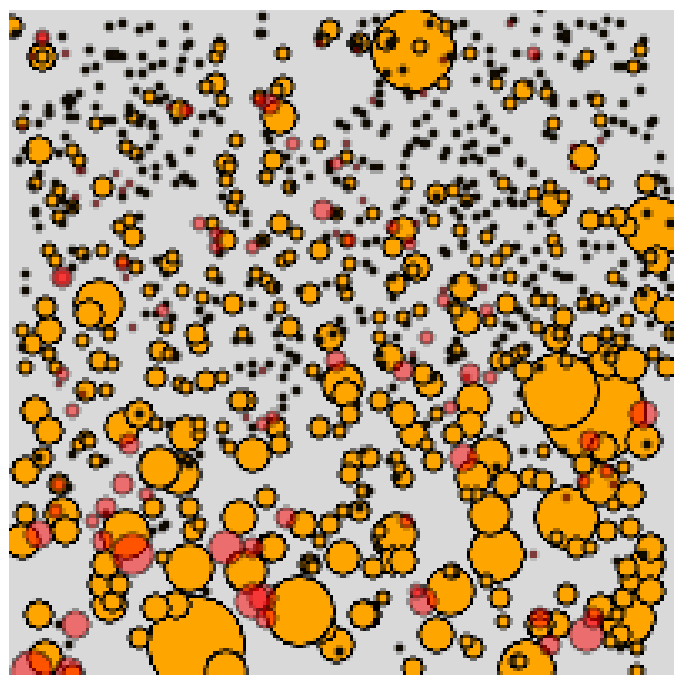
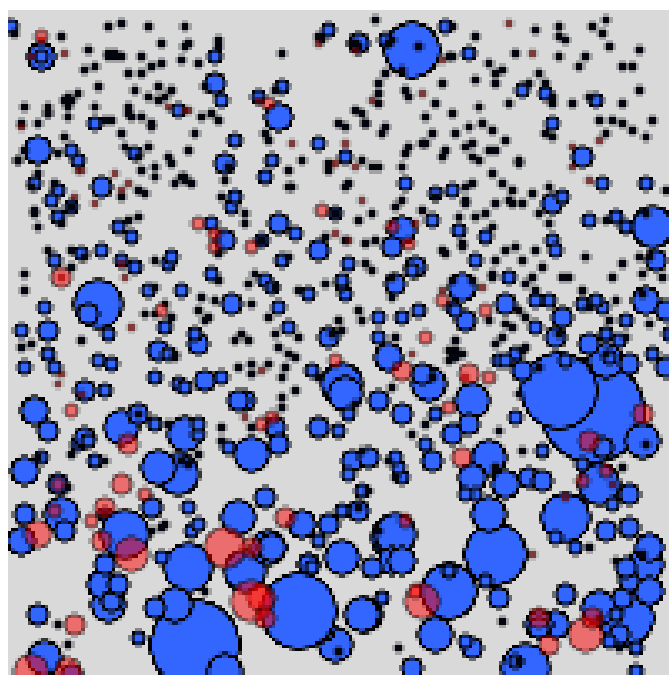
DBH distribution of removed trees**Removed trees (details by tree species)**

Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
evergreen oak	109	5.4	49.4	6420	1190	167
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
Total	109	5.4	49.4	6420	1190	167

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

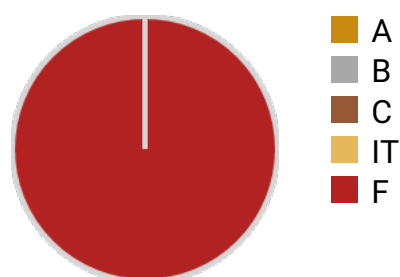
Total value of removed trees: 6420 €

Percentage of total stand value: 12.9 %

Stand value after harvest: 43495 €

Economic value by tree species [€]

Tree species	Total	Per m ³
evergreen oak	6420	130
strawberry tree	0	0
green olive tree	0	0
southern live oak	0	0
Total	6420	130

**Wood quality distribution
(m³ in %)**

Quality class	m ³	%
A	0	0
B	0	0
C	0	0
Industrial Timber	0	0
Fuelwood	49.4	100

Habitat values

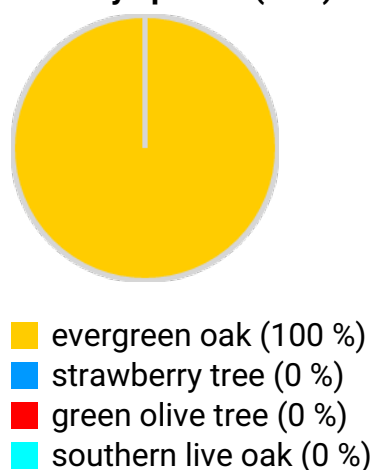
Total habitat value of removed trees: 1190 pts.

Percentage of total stand value: 12.6 %

Stand value after harvest: 8256 pts.

Habitat value by tree species [pts.]

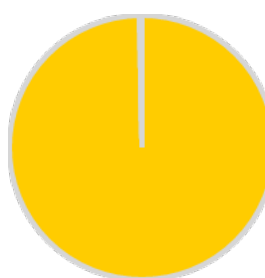
Tree species	Total	Per m ³	Microhabitats [N]
evergreen oak	1190	24.1	167
strawberry tree	0	0	0
green olive tree	0	0	0
southern live oak	0	0	0
Total	1190	24.1	167

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

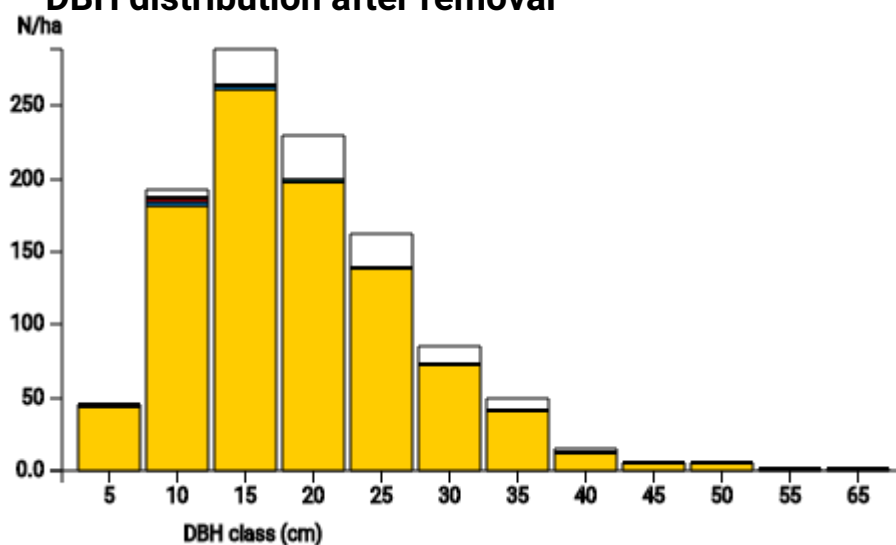
Remaining standVolume: 334.7 m³Basal area: 39.3 m²

Economic value: 43495 €

Habitat value: 8256 pts.

Remaining trees by volume (m³ 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 ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
evergreen oak	965	39.2	333.8	43392	8212	1209
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	975	39.3	334.6	43495	8256	1214

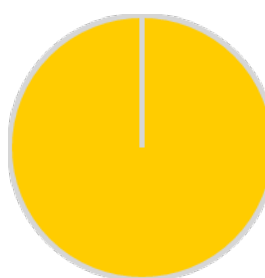
Retention treesVolume: 50.8 m³

Elite trees: 36

Habitat trees: 3

Economic value: 6604 €

Habitat value: 1165 pts.

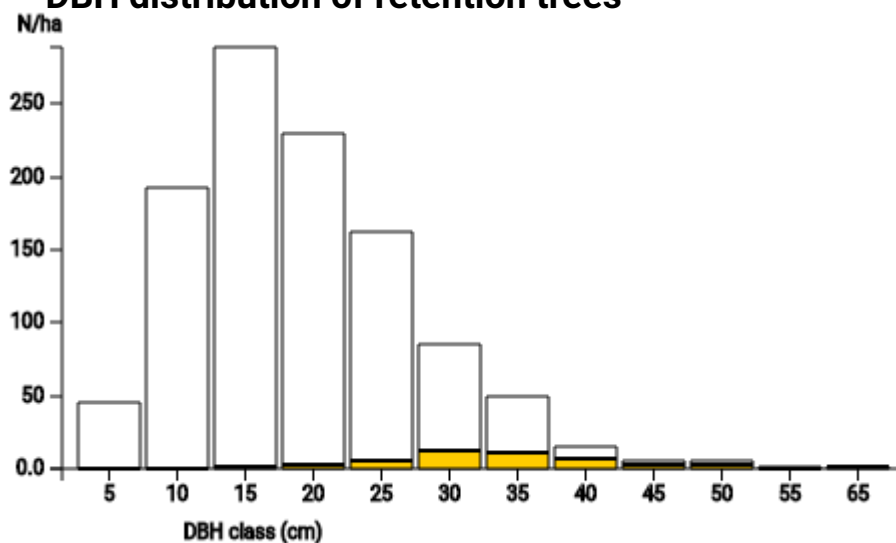
Retention trees by volume (m³ in %)

evergreen oak: 100 %

strawberry tree: 0 %

green olive tree: 0 %

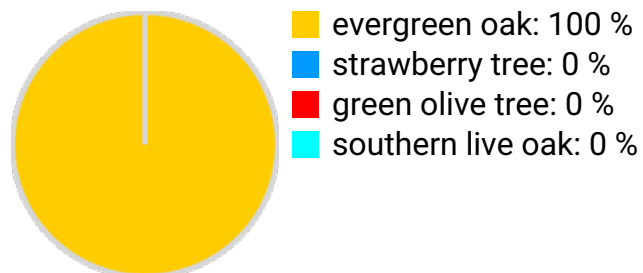
southern live oak: 0 %

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

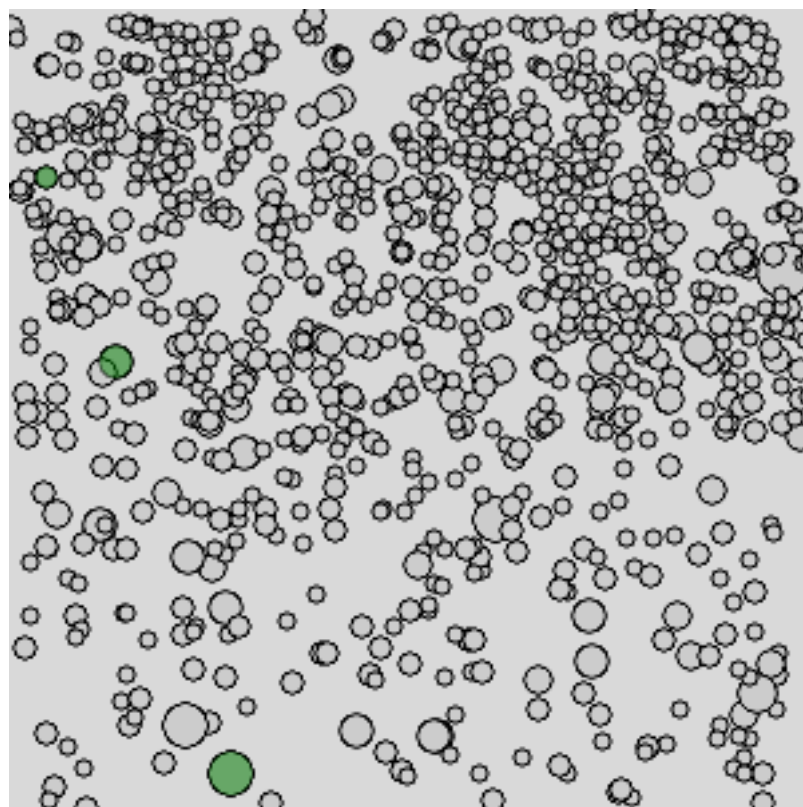
Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
evergreen oak	48	5.4	50.8	6604	1165	150
green olive tree	0	0	0	0	0	0
southern live oak	0	0	0	0	0	0
strawberry tree	0	0	0	0	0	0
Total	48	5.4	50.8	6604	1165	150

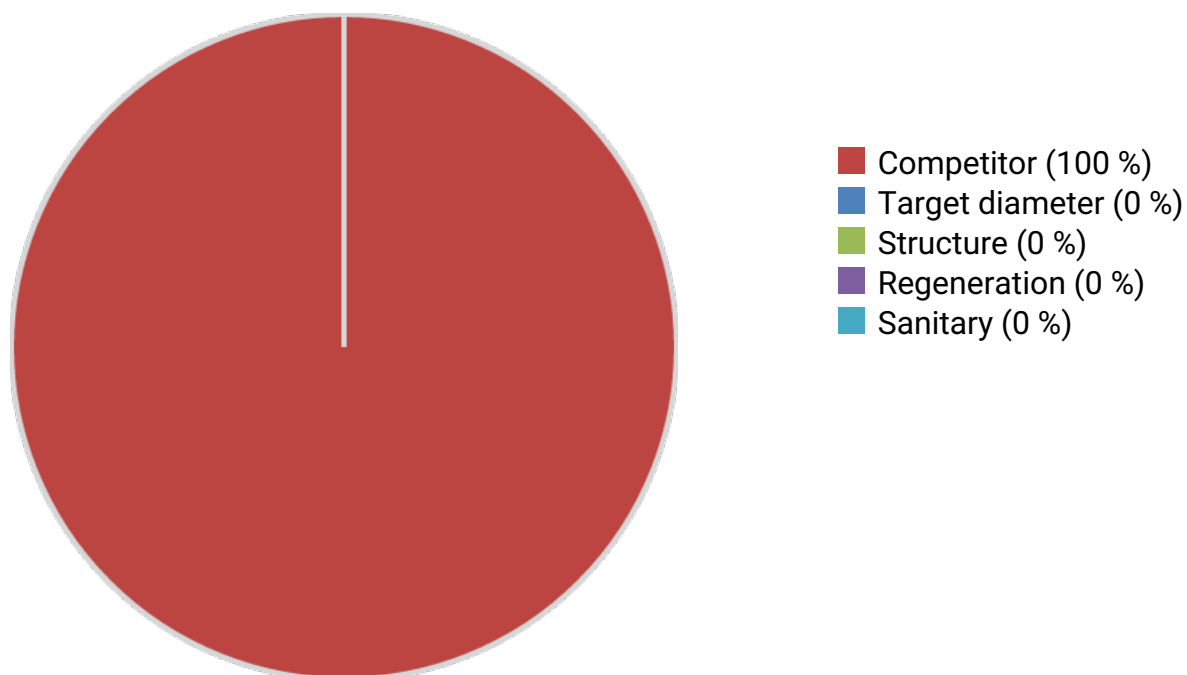
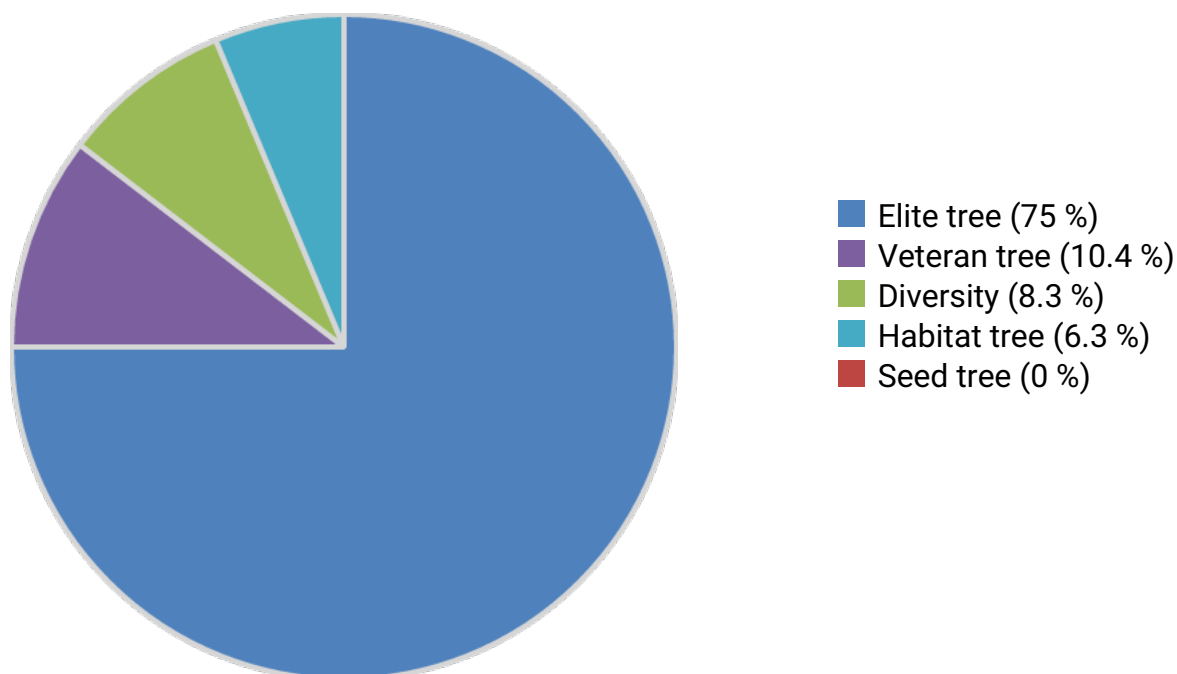
Number of habitat trees	[N]	3
Habitat value	pts.	178
	[% of total]	1.9
Economic value	[€]	729
	[% of total]	1.5
Number of microhabitats	[N]	23
	[% of total]	1.7

Habitat tree distribution by species (N in %)

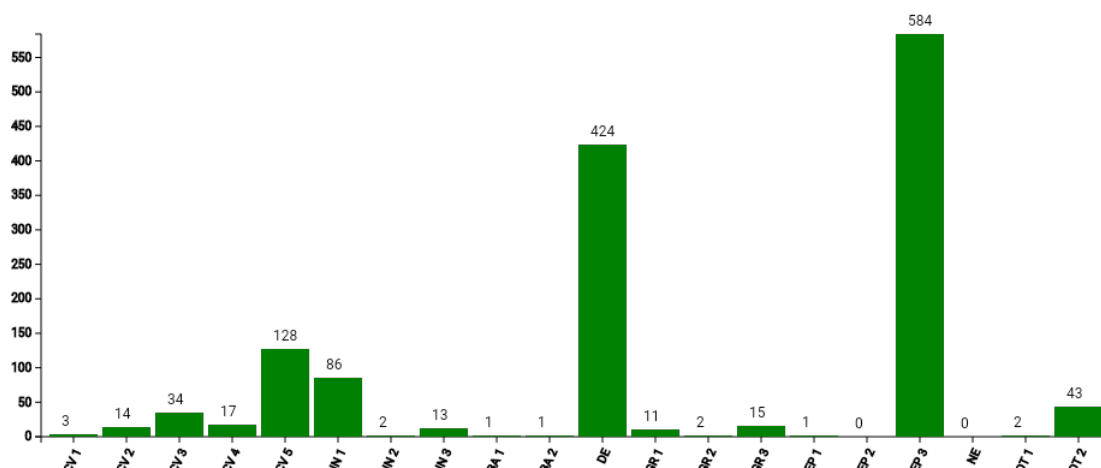


Spatial distribution of habitat trees

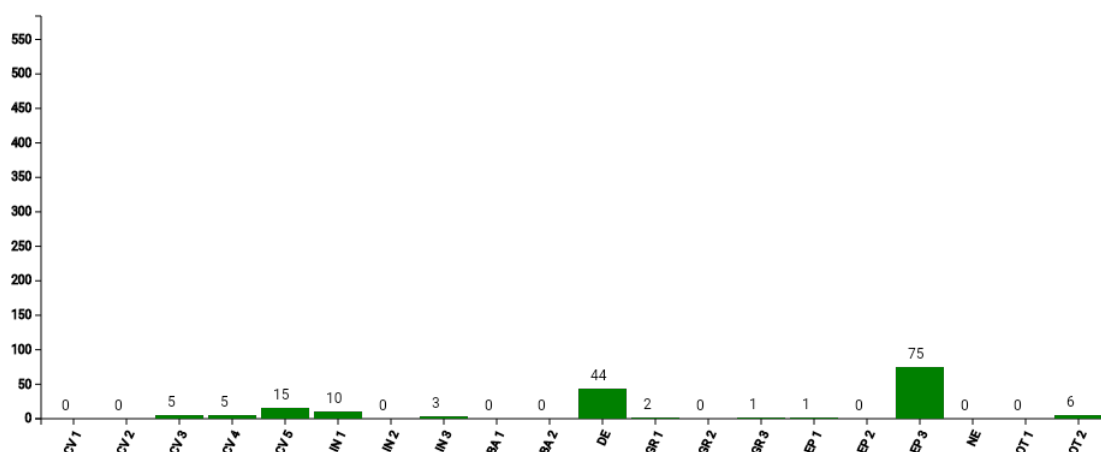


Reasons for removal**Reasons for retention**

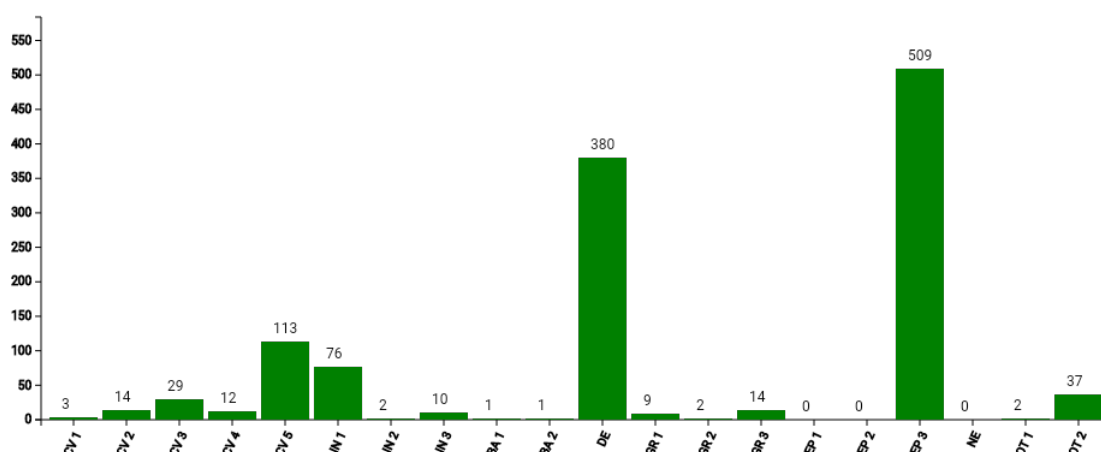
Distribution of tree microhabitats by code (N total)



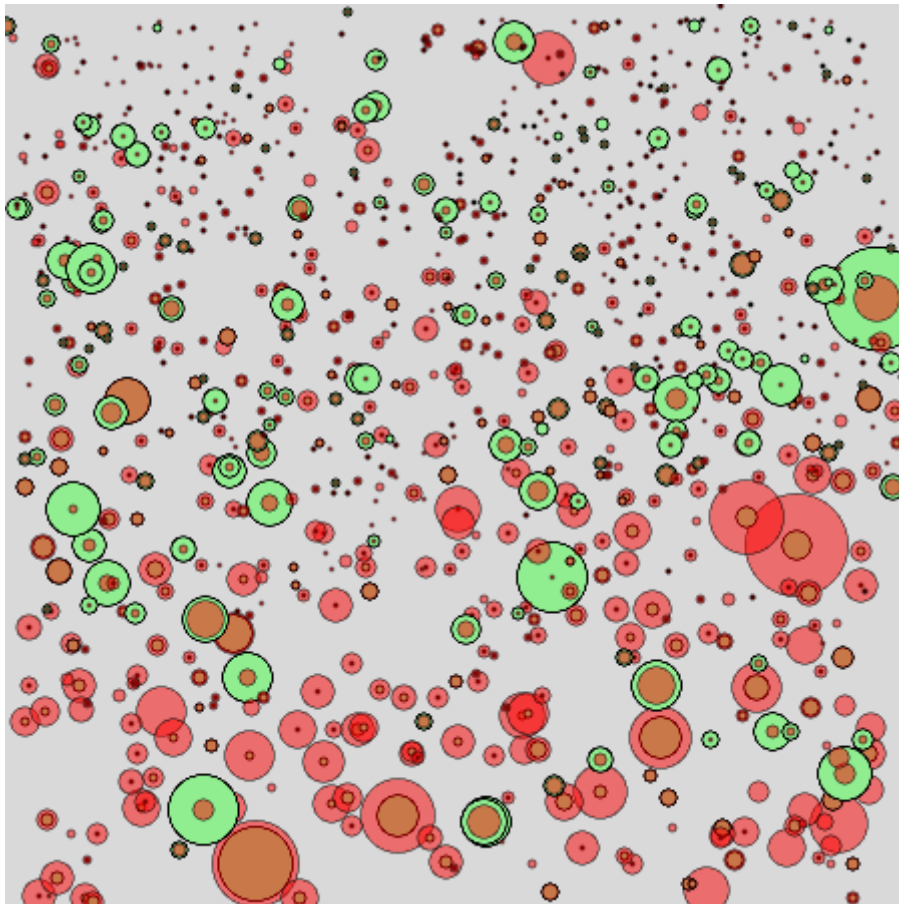
Removed tree microhabitats by code (N removed)



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
evergreen oak (421) Quercus ilex	41	0.13	1.3	165	10	Competitor
evergreen oak (455) Quercus ilex	41	0.13	1.2	157	6	Competitor
evergreen oak (423) Quercus ilex	39.5	0.12	1.4	180	4	Competitor
evergreen oak (437) Quercus ilex	39	0.12	1.4	179	10	Competitor
evergreen oak (595) Quercus ilex	38	0.11	1.3	167	0	Competitor
evergreen oak (576) Quercus ilex	37	0.11	1.3	169	24	Competitor
evergreen oak (508) Quercus ilex	36.5	0.11	0.8	110	8	Competitor
evergreen oak (418) Quercus ilex	36	0.1	1.1	139	12	Competitor
evergreen oak (438) Quercus ilex	36	0.1	1	134	14	Competitor
evergreen oak (452) Quercus ilex	35	0.1	1	131	10	Competitor
evergreen oak (446) Quercus ilex	34	0.09	0.8	106	4	Competitor
evergreen oak (489) Quercus ilex	33	0.09	0.8	100	12	Competitor
evergreen oak (267) Quercus ilex	32	0.08	0.8	100	10	Competitor
evergreen oak (420) Quercus ilex	32	0.08	0.7	87	4	Competitor
evergreen oak (440) Quercus ilex	32	0.08	0.7	95	6	Competitor
evergreen oak (596) Quercus ilex	32	0.08	0.8	99	22	Competitor
evergreen oak (585) Quercus ilex	31	0.08	0.7	86	24	Competitor
evergreen oak (476) Quercus ilex	31	0.08	0.7	89	52	Competitor
evergreen oak (112) Quercus ilex	30.5	0.07	0.6	79	4	Competitor
evergreen oak (406) Quercus ilex	30.5	0.07	0.7	96	10	Competitor
evergreen oak (513) Quercus ilex	30	0.07	0.7	85	4	Competitor

Tree	DBH (cm)	Basal area (m²)	Volume (m³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus ilex						
evergreen oak (395) Quercus ilex	30	0.07	0.7	89	18	Competitor
evergreen oak (589) Quercus ilex	30	0.07	0.8	100	14	Competitor
evergreen oak (377) Quercus ilex	29.5	0.07	0.6	82	10	Competitor
evergreen oak (471) Quercus ilex	29	0.07	0.6	81	10	Competitor
evergreen oak (424) Quercus ilex	29	0.07	0.6	84	4	Competitor
evergreen oak (456) Quercus ilex	29	0.07	0.6	80	20	Competitor
evergreen oak (399) Quercus ilex	29	0.07	0.7	91	4	Competitor
evergreen oak (867) Quercus ilex	28.5	0.06	0.6	78	10	Competitor
evergreen oak (470) Quercus ilex	28	0.06	0.5	65	4	Competitor
evergreen oak (1030) Quercus ilex	28	0.06	0.6	75	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 (285) Quercus ilex	27	0.06	0.5	62	14	Competitor
evergreen oak (536) Quercus ilex	27	0.06	0.5	71	4	Competitor
evergreen oak (935) Quercus ilex	27	0.06	0.5	66	24	Competitor
evergreen oak (230) Quercus ilex	26.5	0.06	0.5	62	6	Competitor
evergreen oak (487) Quercus ilex	26	0.05	0.5	68	4	Competitor
evergreen oak (370) Quercus ilex	26	0.05	0.5	69	4	Competitor
evergreen oak (903) Quercus ilex	26	0.05	0.4	54	4	Competitor
evergreen oak (232) Quercus ilex	26	0.05	0.5	64	47	Competitor

Tree	DBH (cm)	Basal area (m²)	Volume (m³)	Economic value (€)	Habitat value (pts.)	Reason
evergreen oak (394) Quercus ilex	25.5	0.05	0.5	60	4	Competitor
evergreen oak (518) Quercus ilex	25.5	0.05	0.5	63	4	Competitor
evergreen oak (568) Quercus ilex	25.5	0.05	0.6	79	28	Competitor
evergreen oak (240) Quercus ilex	25	0.05	0.4	55	4	Competitor
evergreen oak (1001) Quercus ilex	25	0.05	0.5	63	14	Competitor
evergreen oak (415) Quercus ilex	25	0.05	0.4	58	0	Competitor
evergreen oak (238) Quercus ilex	24.5	0.05	0.4	53	10	Competitor
evergreen oak (32) Quercus ilex	24.5	0.05	0.4	49	14	Competitor
evergreen oak (372) Quercus ilex	24	0.05	0.4	50	0	Competitor
evergreen oak (412) Quercus ilex	24	0.05	0.4	58	0	Competitor
evergreen oak (33) Quercus ilex	24	0.05	0.4	47	20	Competitor
evergreen oak (106) Quercus ilex	24	0.05	0.4	47	0	Competitor
evergreen oak (266) Quercus ilex	24	0.05	0.4	47	21	Competitor
evergreen oak (786) Quercus ilex	23	0.04	0.3	39	36	Competitor
evergreen oak (671) Quercus ilex	23	0.04	0.3	37	8	Competitor
evergreen oak (251) Quercus ilex	23	0.04	0.3	44	4	Competitor
evergreen oak (398) Quercus ilex	23	0.04	0.4	50	16	Competitor
evergreen oak (111) Quercus ilex	22.5	0.04	0.3	42	12	Competitor
evergreen oak (901) Quercus ilex	22.5	0.04	0.4	49	28	Competitor
evergreen oak (325) Quercus ilex	22.5	0.04	0.4	47	4	Competitor
evergreen oak (153) Quercus ilex	22.5	0.04	0.3	39	0	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus ilex						
evergreen oak (1032) Quercus ilex	22.5	0.04	0.4	50	10	Competitor
evergreen oak (883) Quercus ilex	22	0.04	0.3	42	10	Competitor
evergreen oak (304) Quercus ilex	22	0.04	0.4	46	10	Competitor
evergreen oak (174) Quercus ilex	21.5	0.04	0.3	37	28	Competitor
evergreen oak (870) Quercus ilex	21.5	0.04	0.3	41	4	Competitor
evergreen oak (107) Quercus ilex	21.5	0.04	0.3	40	10	Competitor
evergreen oak (194) Quercus ilex	21	0.04	0.2	32	0	Competitor
evergreen oak (657) Quercus ilex	21	0.04	0.2	32	0	Competitor
evergreen oak (881) Quercus ilex	21	0.04	0.3	34	0	Competitor
evergreen oak (705) Quercus ilex	21	0.04	0.2	31	14	Competitor
evergreen oak (173) Quercus ilex	21	0.04	0.3	35	28	Competitor
evergreen oak (826) Quercus ilex	20	0.03	0.2	30	4	Competitor
evergreen oak (331) Quercus ilex	20	0.03	0.3	37	70	Competitor
evergreen oak (342) Quercus ilex	20	0.03	0.2	29	4	Competitor
evergreen oak (472) Quercus ilex	20	0.03	0.3	36	10	Competitor
evergreen oak (459) Quercus ilex	20	0.03	0.3	38	10	Competitor
evergreen oak (541) Quercus ilex	19.5	0.03	0.3	36	24	Competitor
evergreen oak (1004) Quercus ilex	19.5	0.03	0.3	33	34	Competitor
evergreen oak (612) Quercus ilex	19.5	0.03	0.2	29	4	Competitor
evergreen oak (623) Quercus ilex	19	0.03	0.2	22	4	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
evergreen oak (38) Quercus ilex	19	0.03	0.2	26	6	Competitor
evergreen oak (208) Quercus ilex	19	0.03	0.2	32	0	Competitor
evergreen oak (332) Quercus ilex	19	0.03	0.3	33	8	Competitor
evergreen oak (193) Quercus ilex	19	0.03	0.2	31	18	Competitor
evergreen oak (712) Quercus ilex	19	0.03	0.2	28	4	Competitor
evergreen oak (899) Quercus ilex	19	0.03	0.2	31	10	Competitor
evergreen oak (1002) Quercus ilex	19	0.03	0.3	34	10	Competitor
evergreen oak (209) Quercus ilex	18.5	0.03	0.2	29	10	Competitor
evergreen oak (134) Quercus ilex	18	0.03	0.2	25	0	Competitor
evergreen oak (368) Quercus ilex	18	0.03	0.2	29	0	Competitor
evergreen oak (262) Quercus ilex	18	0.03	0.2	25	4	Competitor
evergreen oak (841) Quercus ilex	18	0.03	0.2	22	24	Competitor
evergreen oak (842) Quercus ilex	18	0.03	0.2	22	28	Competitor
evergreen oak (35) Quercus ilex	17.5	0.02	0.2	23	0	Competitor
evergreen oak (538) Quercus ilex	17.5	0.02	0.2	22	0	Competitor
evergreen oak (104) Quercus ilex	17	0.02	0.2	24	4	Competitor
evergreen oak (560) Quercus ilex	16	0.02	0.2	20	24	Competitor
evergreen oak (666) Quercus ilex	16	0.02	0.1	18	14	Competitor
evergreen oak (905) Quercus ilex	15.5	0.02	0.2	21	0	Competitor
evergreen oak (783) Quercus ilex	15	0.02	0.1	18	4	Competitor
evergreen oak (175) Quercus ilex	15	0.02	0.1	17	12	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus ilex						
evergreen oak (646) Quercus ilex	14	0.02	0.1	14	0	Competitor
evergreen oak (82) Quercus ilex	13	0.01	0.1	15	0	Competitor
evergreen oak (80) Quercus ilex	11.5	0.01	0.1	11	0	Competitor
evergreen oak (694) Quercus ilex	11.5	0.01	0.1	9	0	Competitor
evergreen oak (210) Quercus ilex	11	0.01	0.1	8	0	Competitor
evergreen oak (822) Quercus ilex	11	0.01	0.1	9	4	Competitor

Retention trees

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
evergreen oak (490) Quercus ilex	67	0.35	3.7	475	40	Elite 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	Elite tree
evergreen oak (977) Quercus ilex	53	0.22	1.6	204	140	Veteran 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 (569) Quercus ilex	47	0.17	1.9	244	18	Elite tree
evergreen oak (411) Quercus ilex	46	0.17	1.8	231	0	Elite tree
evergreen oak (537) Quercus ilex	42	0.14	1.4	176	0	Elite tree
evergreen oak (547) Quercus ilex	42	0.14	1.6	202	10	Elite tree
evergreen oak (430) Quercus ilex	42	0.14	1.5	197	10	Elite tree
evergreen oak (548) Quercus ilex	42	0.14	1.5	190	10	Elite tree
evergreen oak (384) Quercus ilex	41	0.13	1.3	164	60	Elite tree
evergreen oak (509) Quercus ilex	41	0.13	1.3	170	16	Elite tree
evergreen oak (488) Quercus ilex	40	0.13	1.3	165	16	Elite tree
evergreen oak (453) Quercus ilex	39	0.12	1.1	145	16	Elite tree
evergreen oak (114) Quercus ilex	37.5	0.11	0.9	114	12	Elite tree
evergreen oak (1003) Quercus ilex	37	0.11	1	125	4	Elite tree
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	Veteran tree
evergreen oak (37)	36.5	0.11	1	124	10	Elite tree

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus ilex						
evergreen oak (137) Quercus ilex	36	0.1	0.9	113	18	Habitat tree
evergreen oak (458) Quercus ilex	36	0.1	1	130	10	Elite tree
evergreen oak (904) Quercus ilex	35.5	0.1	0.9	120	4	Elite tree
evergreen oak (358) Quercus ilex	35	0.1	0.9	118	26	Diversity
evergreen oak (564) Quercus ilex	35	0.1	0.9	121	22	Veteran tree
evergreen oak (846) Quercus ilex	34	0.09	0.6	83	30	Elite tree
evergreen oak (572) Quercus ilex	34	0.09	1	125	0	Elite tree
evergreen oak (289) Quercus ilex	33.5	0.09	0.7	97	42	Diversity
evergreen oak (391) Quercus ilex	32	0.08	0.8	105	4	Elite tree
evergreen oak (356) Quercus ilex	32	0.08	0.7	93	16	Elite tree
evergreen oak (161) Quercus ilex	31	0.08	0.6	84	36	Veteran tree
evergreen oak (658) Quercus ilex	31	0.08	0.5	69	54	Elite tree
evergreen oak (105) Quercus ilex	31	0.08	0.6	79	4	Elite tree
evergreen oak (195) Quercus ilex	31	0.08	0.7	86	10	Elite tree
evergreen oak (393) Quercus ilex	31	0.08	0.6	77	69	Veteran tree
evergreen oak (351) Quercus ilex	30.5	0.07	0.7	90	4	Elite tree
evergreen oak (239) Quercus ilex	30.5	0.07	0.6	84	10	Elite tree
evergreen oak (416) Quercus ilex	30	0.07	0.7	85	4	Elite tree
evergreen oak (956) Quercus ilex	29	0.07	0.6	74	10	Diversity
evergreen oak (352) Quercus ilex	29	0.07	0.7	88	6	Elite tree

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
evergreen oak (128) Quercus ilex	28	0.06	0.5	70	4	Diversity
evergreen oak (36) Quercus ilex	28	0.06	0.5	69	10	Elite tree
evergreen oak (868) Quercus ilex	27.5	0.06	0.5	71	11	Elite tree
evergreen oak (787) Quercus ilex	24	0.05	0.4	50	10	Elite tree
evergreen oak (696) Quercus ilex	24	0.05	0.3	41	4	Elite tree
evergreen oak (670) Quercus ilex	20.5	0.03	0.2	29	4	Elite tree
evergreen oak (869) Quercus ilex	19	0.03	0.2	30	7	Elite tree