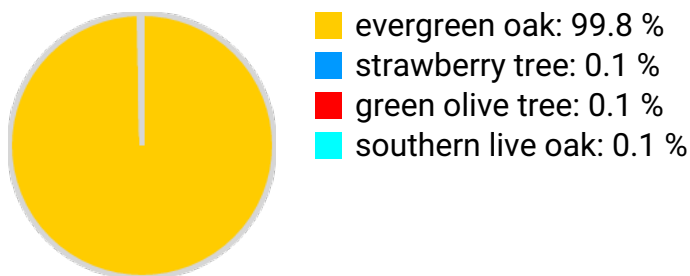


09/06/2021 Sardegna gruppo C 9giu

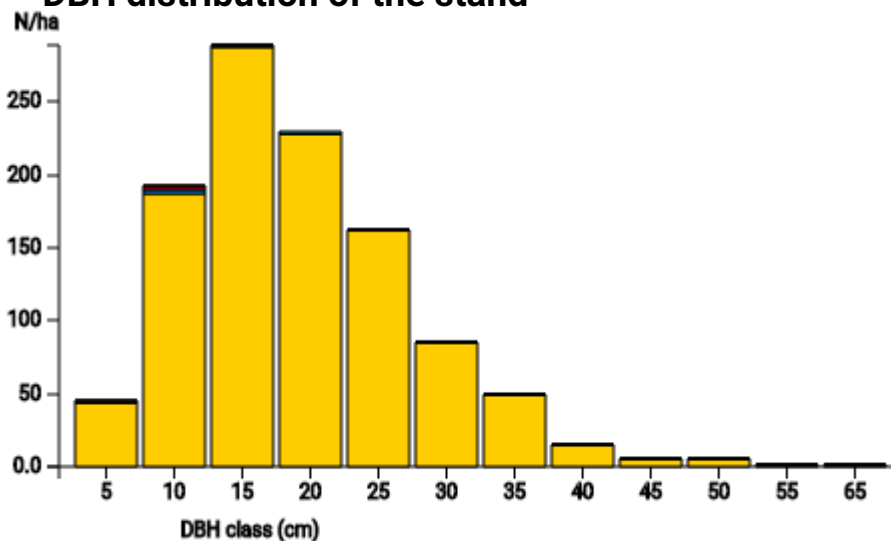
Site conditions

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



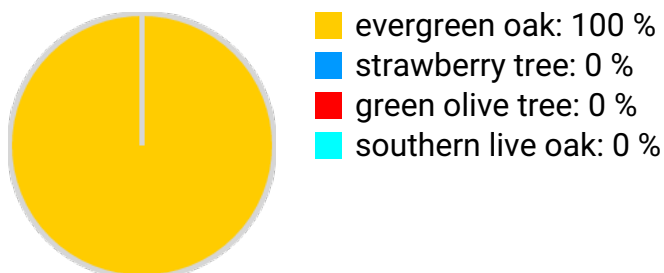
Initial stand (details by tree species)

Tree species	N/ha	Basal area (m 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

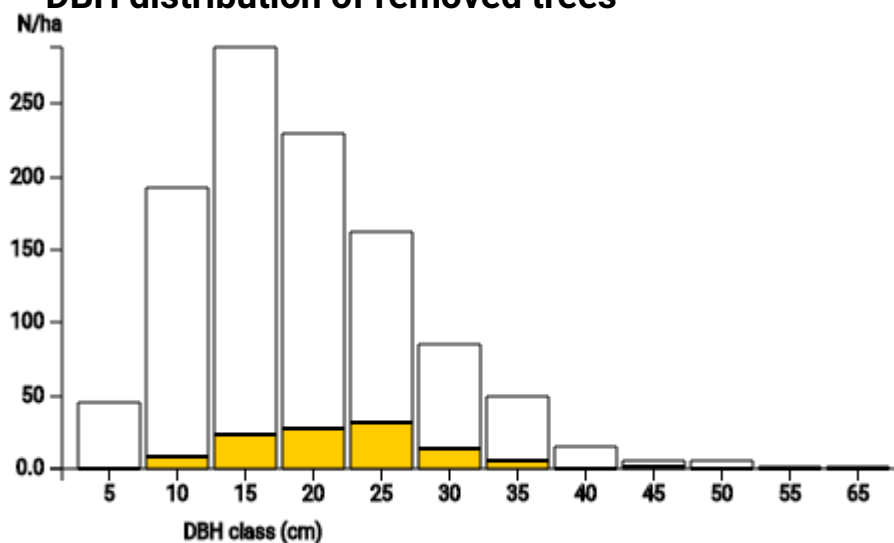
Removed trees

Volume: 49.4 m³
 Basal area: 5.5 m²
 Economic value: 6416 €
 Habitat value: 1139 pts.

Removed trees (N in %)



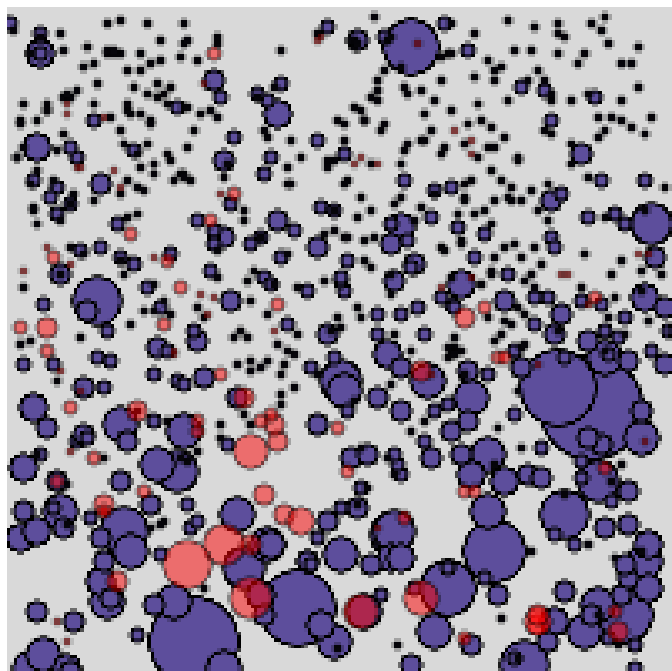
DBH distribution of removed trees



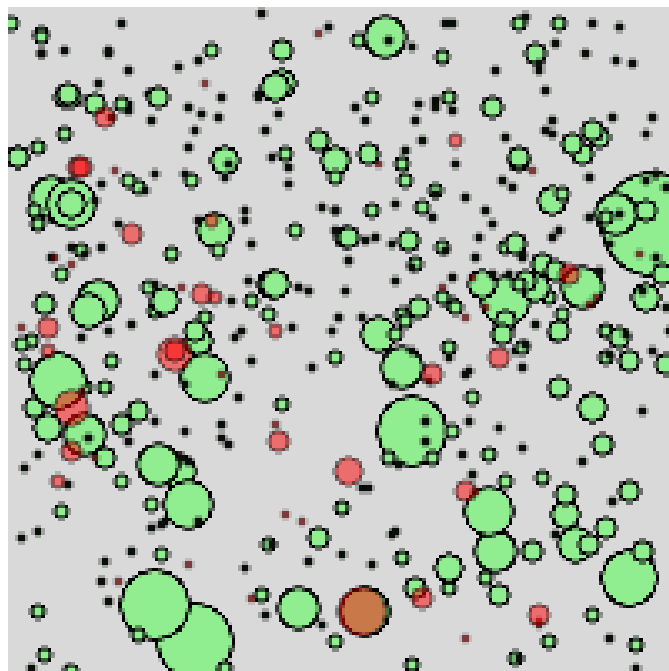
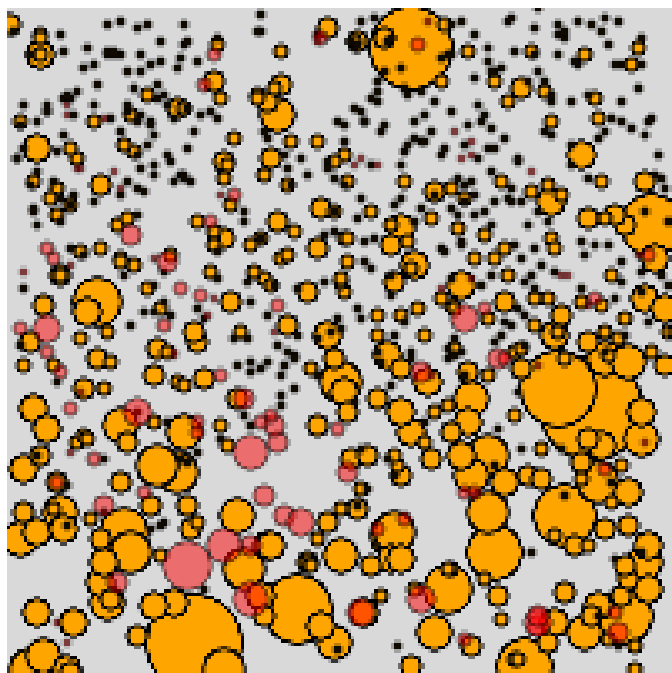
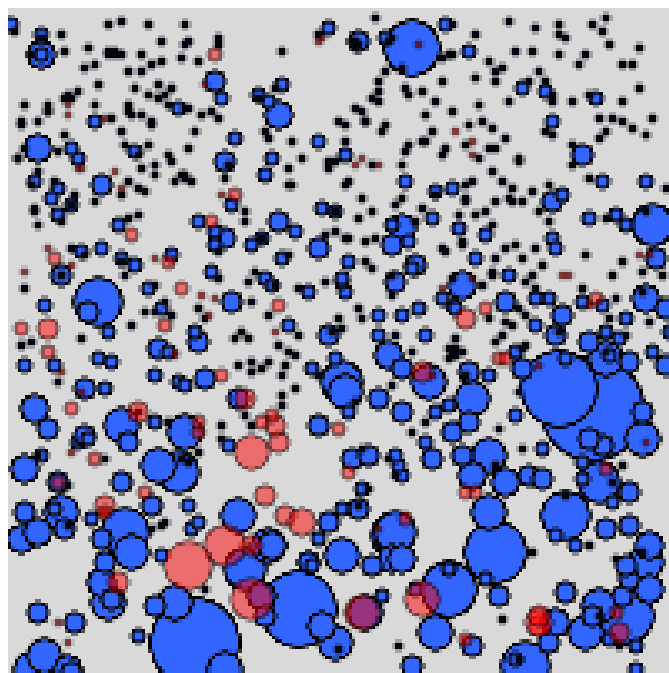
Removed trees (details by tree species)

Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
evergreen oak	112	5.5	49.4	6416	1139	171
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	112	5.5	49.4	6416	1139	171

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.

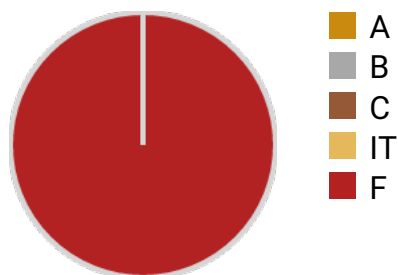
Economic values

Total value of removed trees: 6416 €
 Percentage of total stand value: 12.9 %
 Stand value after harvest: 43499 €

Economic value by tree species [€]

Tree species	Total	Per m ³
evergreen oak	6416	130
strawberry tree	0	0
green olive tree	0	0
southern live oak	0	0
Total	6416	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

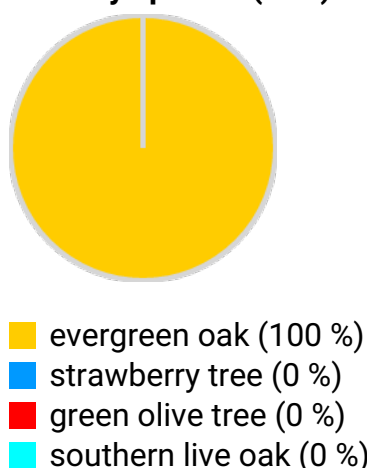
Habitat values

Total habitat value of removed trees: 1139 pts.
 Percentage of total stand value: 12.1 %
 Stand value after harvest: 8307 pts.

Habitat value by tree species [pts.]

Tree species	Total	Per m ³	Microhabitats [N]
evergreen oak	1139	23.1	171
strawberry tree	0	0	0
green olive tree	0	0	0
southern live oak	0	0	0
Total	1139	23.1	171

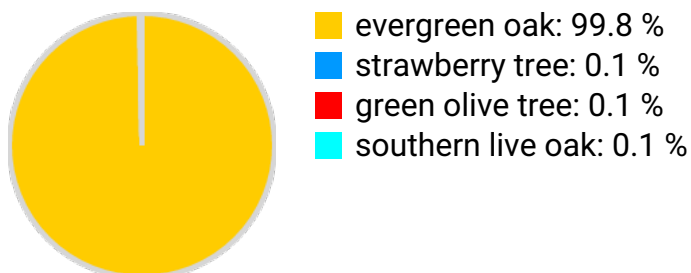
Habitat value (points) of removed trees by species (in %)



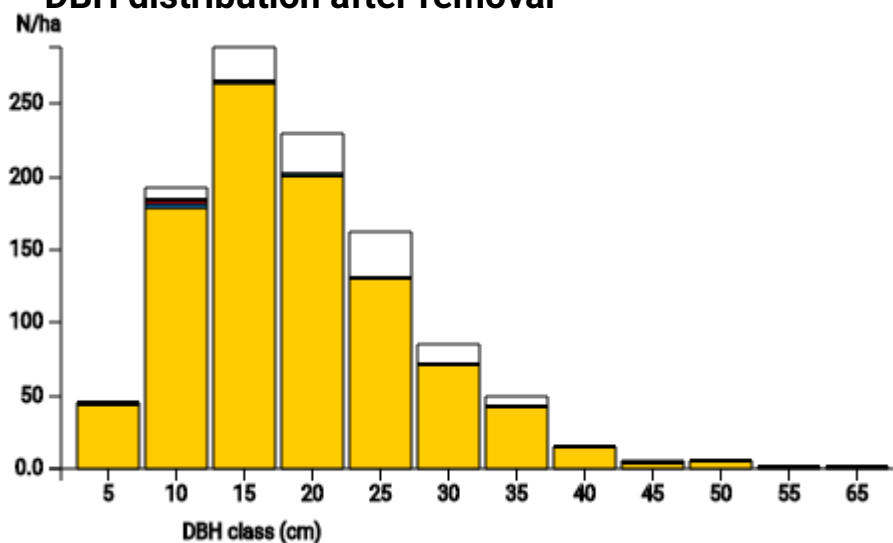
Remaining stand

Volume: 334.7 m³
 Basal area: 39.3 m²
 Economic value: 43499 €
 Habitat value: 8307 pts.

Remaining trees by volume (m³ in %)



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	962	39.1	333.8	43395	8263	1205
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	972	39.3	334.6	43499	8307	1210

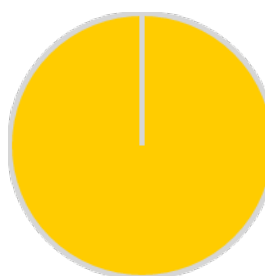
Retention treesVolume: 54.7 m³

Elite trees: 40

Habitat trees: 17

Economic value: 7103 €

Habitat value: 1293 pts.

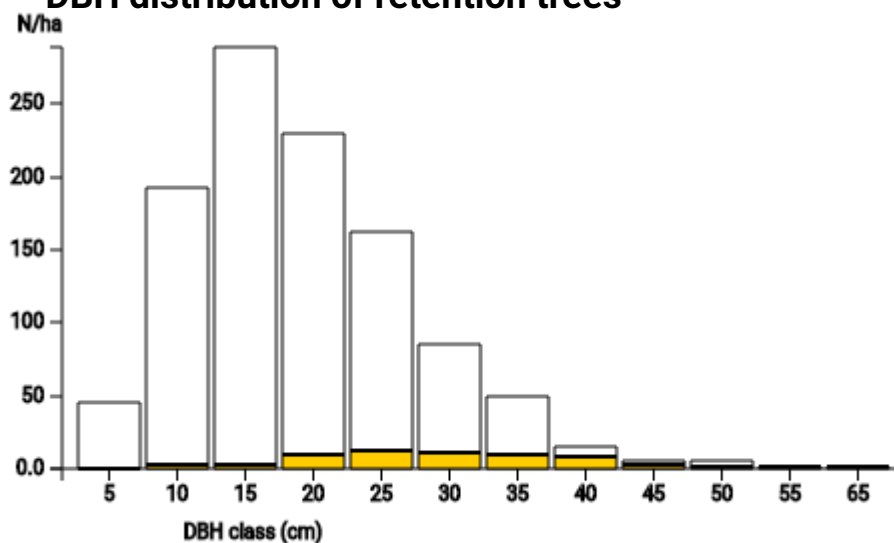
Retention trees by volume (m³ in %)

evergreen oak: 100 %

strawberry tree: 0 %

green olive tree: 0 %

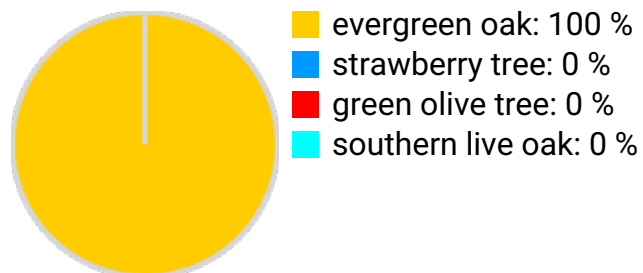
southern live oak: 0 %

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

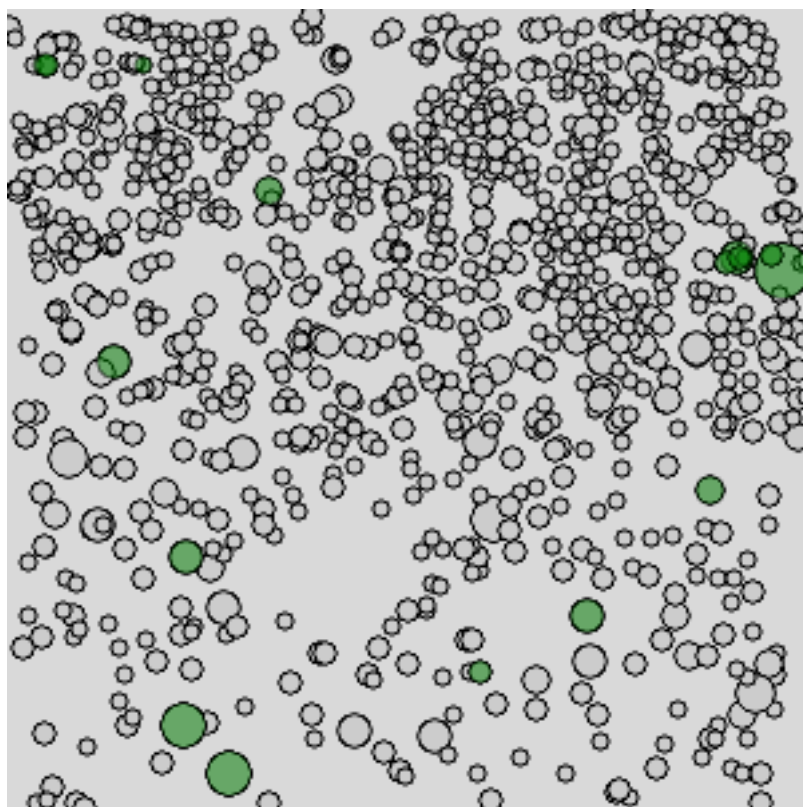
Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
evergreen oak	64	6	54.6	7103	1293	141
green olive tree	0	0	0	0	0	0
southern live oak	0	0	0	0	0	0
strawberry tree	0	0	0	0	0	0
Total	64	6	54.6	7103	1293	141

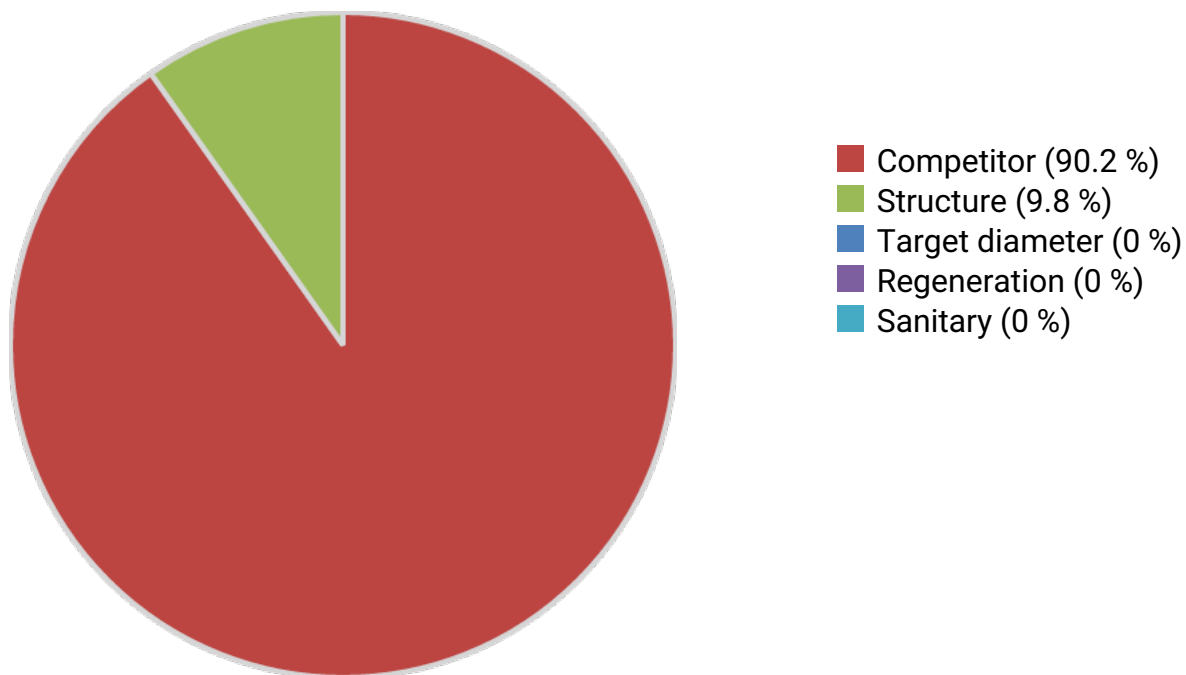
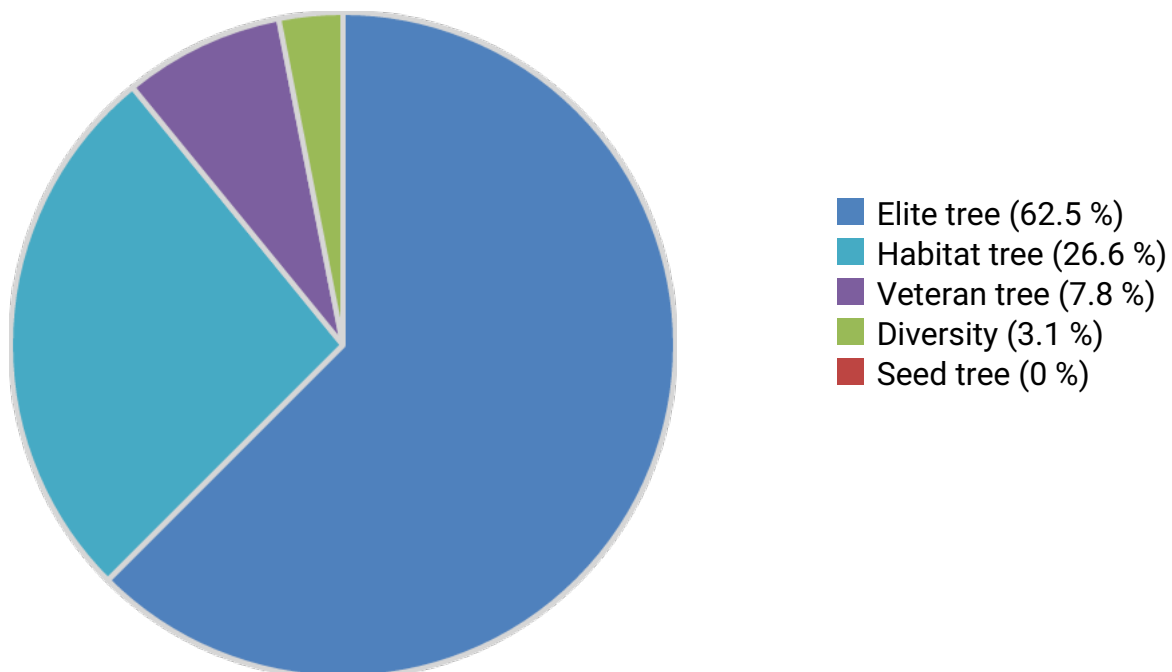
Number of habitat trees	[N]	17
Habitat value	pts.	742
	[% of total]	7.9
Economic value	[€]	2293
	[% of total]	4.6
Number of microhabitats	[N]	63
	[% of total]	4.6

Habitat tree distribution by species (N in %)

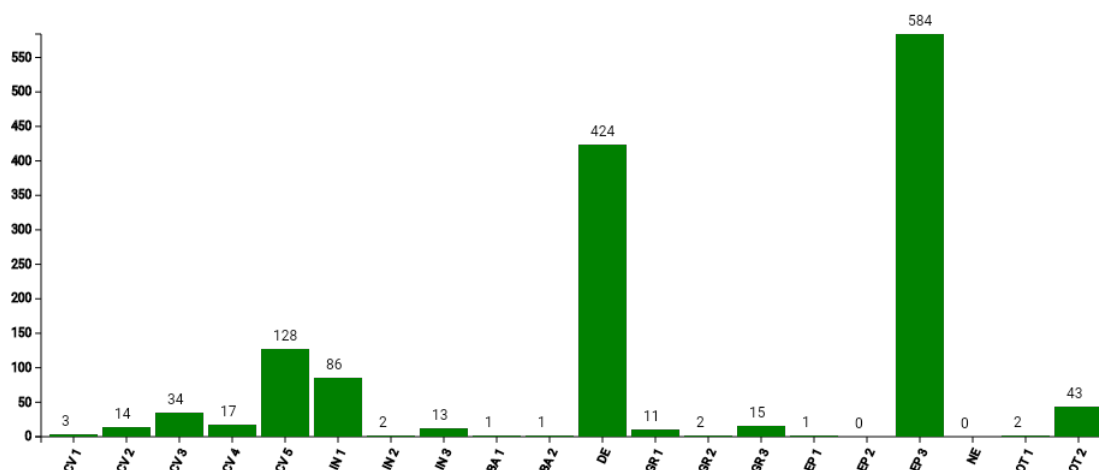


Spatial distribution of habitat trees

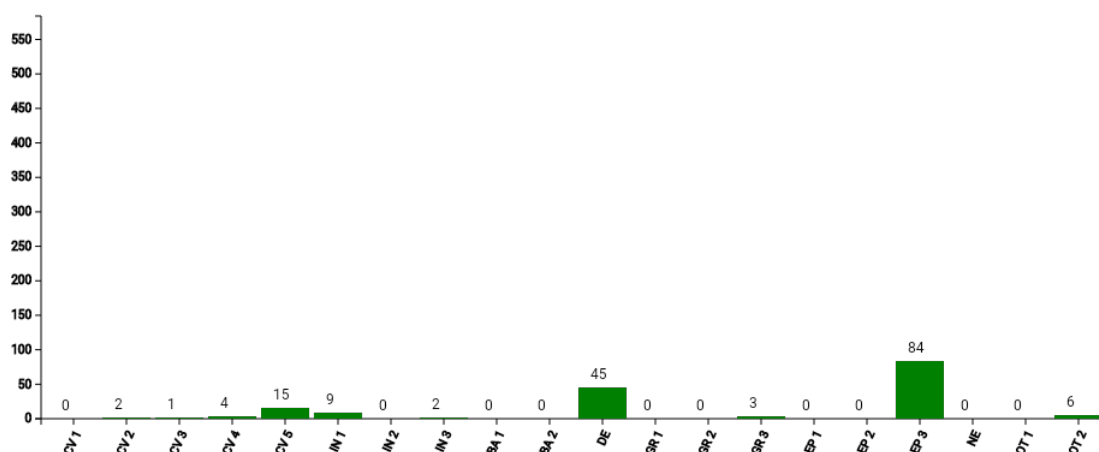


Reasons for removal**Reasons for retention**

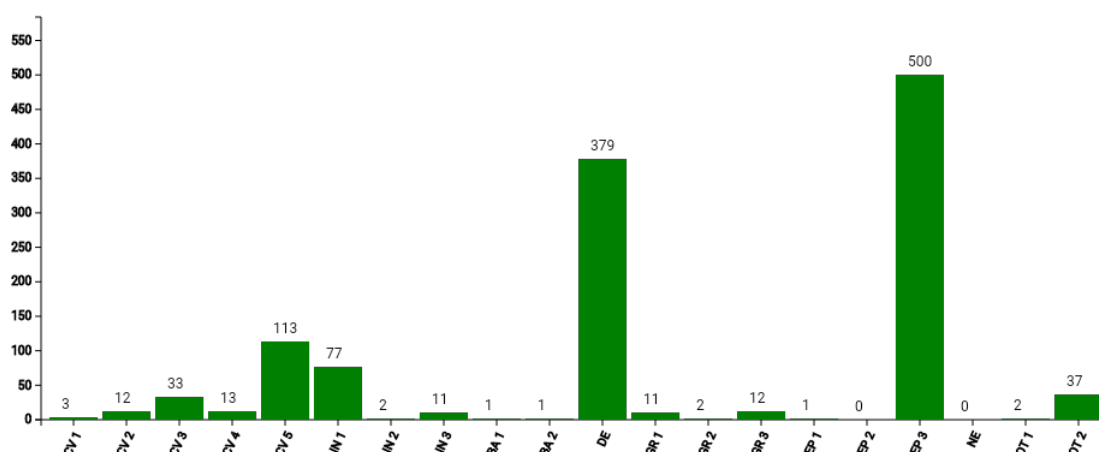
Distribution of tree microhabitats by code (N total)



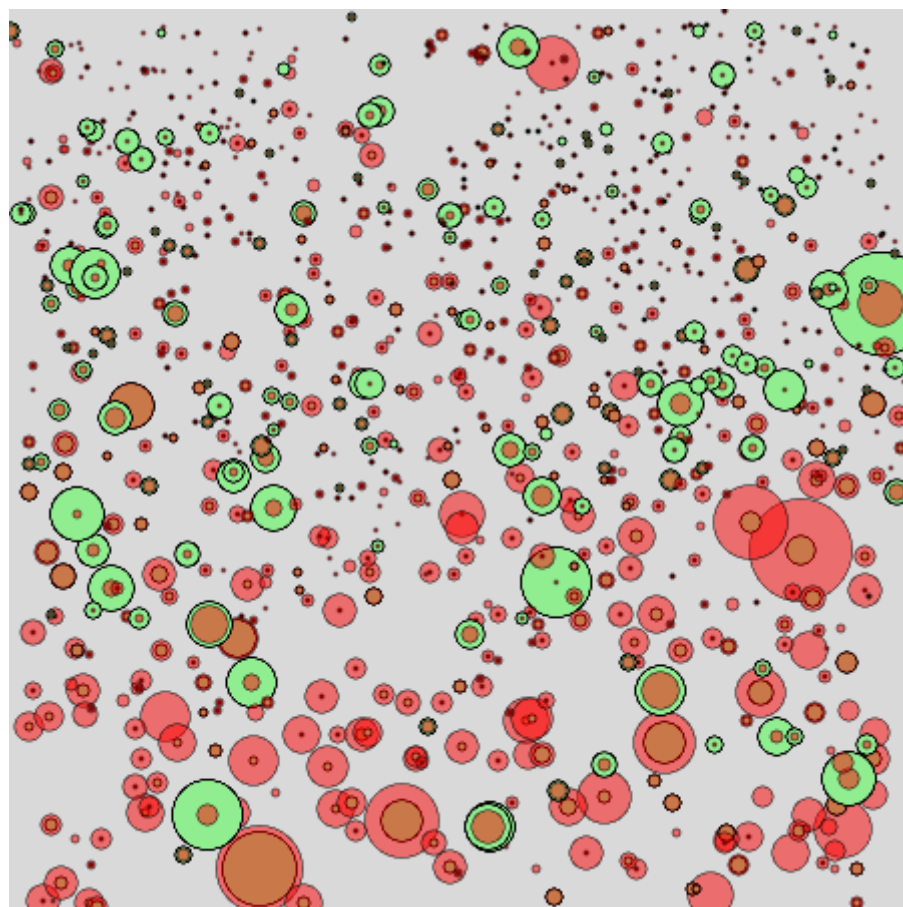
Removed tree microhabitats by code (N removed)



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 (431) Quercus ilex	47	0.17	1.7	220	10	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 (389) Quercus ilex	38	0.11	1.1	147	4	Structure
evergreen oak (578) Quercus ilex	37	0.11	1.1	148	62	Competitor
evergreen oak (576) Quercus ilex	37	0.11	1.3	169	24	Competitor
evergreen oak (586) Quercus ilex	35	0.1	0.9	116	12	Competitor
evergreen oak (354) Quercus ilex	34	0.09	0.8	106	4	Competitor
evergreen oak (1031) Quercus ilex	34	0.09	0.7	95	6	Competitor
evergreen oak (407) Quercus ilex	33.5	0.09	0.9	121	10	Structure
evergreen oak (307) Quercus ilex	33	0.09	0.9	111	24	Competitor
evergreen oak (391) Quercus ilex	32	0.08	0.8	105	4	Structure
evergreen oak (435) Quercus ilex	32	0.08	0.7	93	10	Competitor
evergreen oak (475) Quercus ilex	32	0.08	0.8	107	4	Competitor
evergreen oak (594) Quercus ilex	31	0.08	0.7	91	0	Competitor
evergreen oak (585) Quercus ilex	31	0.08	0.7	86	24	Competitor
evergreen oak (351) Quercus ilex	30.5	0.07	0.7	90	4	Competitor
evergreen oak (406) Quercus ilex	30.5	0.07	0.7	96	10	Structure
evergreen oak (253) Quercus ilex	30.5	0.07	0.6	74	0	Competitor
evergreen oak (371) Quercus ilex	30	0.07	0.7	89	10	Structure
evergreen oak (587)	30	0.07	0.7	94	6	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus ilex						
evergreen oak (229) Quercus ilex	29.5	0.07	0.6	75	32	Competitor
evergreen oak (463) Quercus ilex	29	0.07	0.6	79	28	Competitor
evergreen oak (390) Quercus ilex	29	0.07	0.6	81	25	Structure
evergreen oak (424) Quercus ilex	29	0.07	0.6	84	4	Competitor
evergreen oak (399) Quercus ilex	29	0.07	0.7	91	4	Competitor
evergreen oak (526) Quercus ilex	28.5	0.06	0.6	73	40	Structure
evergreen oak (597) Quercus ilex	28	0.06	0.6	79	12	Competitor
evergreen oak (382) Quercus ilex	28	0.06	0.5	64	10	Competitor
evergreen oak (532) Quercus ilex	28	0.06	0.5	68	6	Competitor
evergreen oak (303) Quercus ilex	28	0.06	0.5	65	4	Competitor
evergreen oak (543) Quercus ilex	27.5	0.06	0.6	77	4	Competitor
evergreen oak (264) Quercus ilex	27.5	0.06	0.3	42	4	Competitor
evergreen oak (231) Quercus ilex	27.5	0.06	0.6	74	14	Competitor
evergreen oak (327) Quercus ilex	27	0.06	0.6	73	20	Competitor
evergreen oak (357) Quercus ilex	27	0.06	0.5	63	42	Competitor
evergreen oak (51) Quercus ilex	27	0.06	0.4	53	0	Competitor
evergreen oak (370) Quercus ilex	26	0.05	0.5	69	4	Structure
evergreen oak (338) Quercus ilex	26	0.05	0.5	66	8	Competitor
evergreen oak (375) Quercus ilex	26	0.05	0.4	54	0	Competitor
evergreen oak (366) Quercus ilex	26	0.05	0.5	65	4	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
evergreen oak (278) Quercus ilex	25.5	0.05	0.4	54	4	Competitor
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 (592) Quercus ilex	25.5	0.05	0.5	69	0	Competitor
evergreen oak (247) Quercus ilex	25	0.05	0.5	59	10	Competitor
evergreen oak (1016) Quercus ilex	25	0.05	0.4	48	0	Competitor
evergreen oak (497) Quercus ilex	25	0.05	0.4	49	4	Structure
evergreen oak (270) Quercus ilex	25	0.05	0.4	56	12	Competitor
evergreen oak (531) Quercus ilex	25	0.05	0.4	54	24	Competitor
evergreen oak (611) Quercus ilex	25	0.05	0.3	45	4	Competitor
evergreen oak (216) Quercus ilex	25	0.05	0.4	55	4	Competitor
evergreen oak (306) Quercus ilex	25	0.05	0.5	62	10	Competitor
evergreen oak (1053) Quercus ilex	24	0.05	0.4	52	10	Competitor
evergreen oak (650) Quercus ilex	24	0.05	0.3	38	4	Competitor
evergreen oak (464) Quercus ilex	24	0.05	0.4	58	4	Competitor
evergreen oak (372) Quercus ilex	24	0.05	0.4	50	0	Structure
evergreen oak (78) Quercus ilex	23	0.04	0.3	44	10	Competitor
evergreen oak (544) Quercus ilex	23	0.04	0.3	38	4	Competitor
evergreen oak (398) Quercus ilex	23	0.04	0.4	50	16	Competitor
evergreen oak (282) Quercus ilex	22.5	0.04	0.4	48	24	Competitor
evergreen oak (325) Quercus ilex	22.5	0.04	0.4	47	4	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 (813) Quercus ilex	22	0.04	0.3	36	4	Competitor
evergreen oak (300) Quercus ilex	22	0.04	0.4	46	20	Competitor
evergreen oak (401) Quercus ilex	22	0.04	0.4	50	4	Competitor
evergreen oak (174) Quercus ilex	21.5	0.04	0.3	37	28	Competitor
evergreen oak (320) Quercus ilex	21.5	0.04	0.3	42	44	Competitor
evergreen oak (447) Quercus ilex	21	0.04	0.3	38	4	Competitor
evergreen oak (194) Quercus ilex	21	0.04	0.2	32	0	Competitor
evergreen oak (97) Quercus ilex	21	0.04	0.3	36	4	Competitor
evergreen oak (466) Quercus ilex	21	0.04	0.3	41	4	Competitor
evergreen oak (173) Quercus ilex	21	0.04	0.3	35	28	Competitor
evergreen oak (1020) Quercus ilex	20.5	0.03	0.3	33	30	Competitor
evergreen oak (826) Quercus ilex	20	0.03	0.2	30	4	Competitor
evergreen oak (796) Quercus ilex	20	0.03	0.2	28	4	Competitor
evergreen oak (827) Quercus ilex	20	0.03	0.3	33	4	Competitor
evergreen oak (265) Quercus ilex	20	0.03	0.3	36	4	Competitor
evergreen oak (295) Quercus ilex	20	0.03	0.3	33	4	Competitor
evergreen oak (516) Quercus ilex	20	0.03	0.2	25	4	Competitor
evergreen oak (1052) Quercus ilex	20	0.03	0.2	32	10	Competitor
evergreen oak (281) Quercus ilex	19.5	0.03	0.3	34	20	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
evergreen oak (242) Quercus ilex	19.5	0.03	0.2	31	4	Competitor
evergreen oak (445) Quercus ilex	19.5	0.03	0.2	31	0	Competitor
evergreen oak (612) Quercus ilex	19.5	0.03	0.2	29	4	Competitor
evergreen oak (1019) Quercus ilex	19.5	0.03	0.2	31	4	Competitor
evergreen oak (90) Quercus ilex	19	0.03	0.2	32	4	Competitor
evergreen oak (400) Quercus ilex	19	0.03	0.3	37	4	Competitor
evergreen oak (381) Quercus ilex	19	0.03	0.2	29	24	Competitor
evergreen oak (332) Quercus ilex	19	0.03	0.3	33	8	Competitor
evergreen oak (1002) Quercus ilex	19	0.03	0.3	34	10	Competitor
evergreen oak (127) Quercus ilex	18	0.03	0.2	30	32	Competitor
evergreen oak (319) Quercus ilex	18	0.03	0.2	32	28	Competitor
evergreen oak (829) Quercus ilex	18	0.03	0.2	23	8	Competitor
evergreen oak (833) Quercus ilex	17	0.02	0.2	24	4	Competitor
evergreen oak (1014) Quercus ilex	17	0.02	0.2	23	8	Competitor
evergreen oak (215) Quercus ilex	17	0.02	0.2	22	4	Competitor
evergreen oak (988) Quercus ilex	17	0.02	0.2	21	12	Competitor
evergreen oak (248) Quercus ilex	16	0.02	0.2	23	10	Competitor
evergreen oak (610) Quercus ilex	15	0.02	0.1	15	6	Competitor
evergreen oak (473) Quercus ilex	15	0.02	0.2	22	24	Competitor
evergreen oak (850) Quercus ilex	15	0.02	0.1	16	10	Competitor
evergreen oak (175)	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 (618) Quercus ilex	15	0.02	0.1	16	0	Competitor
evergreen oak (832) Quercus ilex	14.5	0.02	0.1	17	4	Competitor
evergreen oak (834) Quercus ilex	14	0.02	0.1	15	4	Competitor
evergreen oak (99) Quercus ilex	14	0.02	0.1	16	0	Competitor
evergreen oak (815) Quercus ilex	14	0.02	0.1	16	14	Competitor
evergreen oak (499) Quercus ilex	13.5	0.01	0.1	13	0	Structure
evergreen oak (79) Quercus ilex	13	0.01	0.1	14	0	Competitor
evergreen oak (701) Quercus ilex	12.5	0.01	0.1	9	0	Competitor
evergreen oak (100) Quercus ilex	11.5	0.01	0.1	10	0	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	Habitat tree
evergreen oak (449) Quercus ilex	65.5	0.34	3.1	408	100	Habitat tree
evergreen oak (468) Quercus ilex	58.5	0.27	2.6	340	28	Elite tree
evergreen oak (977) Quercus ilex	53	0.22	1.6	204	140	Habitat tree
evergreen oak (593) Quercus ilex	48	0.18	2	265	0	Elite tree
evergreen oak (286) Quercus ilex	47.5	0.18	1.6	208	60	Habitat 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	Habitat 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 (421) Quercus ilex	41	0.13	1.3	165	10	Diversity
evergreen oak (384) Quercus ilex	41	0.13	1.3	164	60	Habitat 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 (521) Quercus ilex	38	0.11	1.1	138	10	Elite tree
evergreen oak (376) Quercus ilex	38	0.11	1.2	150	10	Elite tree
evergreen oak (1003) Quercus ilex	37	0.11	1	125	4	Elite tree
evergreen oak (474) Quercus ilex	37	0.11	1.2	154	10	Elite tree
evergreen oak (588)	37	0.11	1	136	4	Elite tree

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus ilex						
evergreen oak (496) Quercus ilex	37	0.11	0.1	19	96	Veteran tree
evergreen oak (37) Quercus ilex	36.5	0.11	1	124	10	Habitat tree
evergreen oak (564) Quercus ilex	35	0.1	0.9	121	22	Habitat tree
evergreen oak (579) Quercus ilex	35	0.1	0.9	121	10	Elite tree
evergreen oak (442) Quercus ilex	34	0.09	0.8	99	94	Habitat tree
evergreen oak (446) Quercus ilex	34	0.09	0.8	106	4	Elite tree
evergreen oak (1015) Quercus ilex	34	0.09	0.7	97	10	Elite tree
evergreen oak (267) Quercus ilex	32	0.08	0.8	100	10	Elite tree
evergreen oak (356) Quercus ilex	32	0.08	0.7	93	16	Elite tree
evergreen oak (321) Quercus ilex	31	0.08	0.8	99	4	Elite tree
evergreen oak (161) Quercus ilex	31	0.08	0.6	84	36	Habitat tree
evergreen oak (658) Quercus ilex	31	0.08	0.5	69	54	Elite tree
evergreen oak (195) Quercus ilex	31	0.08	0.7	86	10	Elite tree
evergreen oak (397) Quercus ilex	30	0.07	0.7	93	4	Elite tree
evergreen oak (77) Quercus ilex	30	0.07	0.6	81	4	Elite tree
evergreen oak (954) Quercus ilex	29	0.07	0.5	59	52	Habitat tree
evergreen oak (352) Quercus ilex	29	0.07	0.7	88	6	Elite tree
evergreen oak (498) Quercus ilex	29	0.07	0.7	87	4	Veteran tree
evergreen oak (465) Quercus ilex	29	0.07	0.6	84	8	Elite tree
evergreen oak (328) Quercus ilex	28.5	0.06	0.4	46	22	Elite tree

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
evergreen oak (299) Quercus ilex	28.5	0.06	0.6	74	4	Elite tree
evergreen oak (128) Quercus ilex	28	0.06	0.5	70	4	Elite tree
evergreen oak (241) Quercus ilex	28	0.06	0.6	74	20	Elite tree
evergreen oak (36) Quercus ilex	28	0.06	0.5	69	10	Habitat tree
evergreen oak (1051) Quercus ilex	27	0.06	0.5	65	4	Elite tree
evergreen oak (536) Quercus ilex	27	0.06	0.5	71	4	Diversity
evergreen oak (619) Quercus ilex	27	0.06	0.4	50	10	Elite tree
evergreen oak (220) Quercus ilex	26	0.05	0.4	57	4	Elite tree
evergreen oak (266) Quercus ilex	24	0.05	0.4	47	21	Elite tree
evergreen oak (955) Quercus ilex	23	0.04	0.3	37	16	Habitat tree
evergreen oak (620) Quercus ilex	22	0.04	0.3	34	12	Elite tree
evergreen oak (553) Quercus ilex	22	0.04	0.3	39	30	Veteran tree
evergreen oak (951) Quercus ilex	22	0.04	0.2	31	24	Habitat tree
evergreen oak (293) Quercus ilex	22	0.04	0.3	44	4	Elite tree
evergreen oak (852) Quercus ilex	21	0.04	0.3	38	24	Elite tree
evergreen oak (851) Quercus ilex	20	0.03	0.3	33	30	Elite tree
evergreen oak (828) Quercus ilex	20	0.03	0.3	34	4	Elite tree
evergreen oak (44) Quercus ilex	17.5	0.02	0.2	22	0	Habitat tree
evergreen oak (814) Quercus ilex	17	0.02	0.2	21	0	Elite tree
evergreen oak (457) [REPLACE_DEAD]Quercus ilex	16	0.02	0.1	7	0	Veteran tree
evergreen oak (947)	14	0.02	0.1	9	0	Veteran tree

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
[REPLACE_DEAD]Quercus ilex						
evergreen oak (952) Quercus ilex	13	0.01	0.1	11	0	Habitat tree
evergreen oak (953) Quercus ilex	12	0.01	0.1	10	12	Habitat tree