BS5837 Tree Survey: Trees & Groups

Retained trees / Groups

Ref	Common Name	Height	Stem Diameter	Crown Clearance	Age Class	Observations	Est. Remaining Contribution	Date Surveyed	BS Cat
009	Pedunculate oak	17m	300mm; 300mm	1m	Mature	Small suppressed tree.	10 Years	27/11/2025	C2
011	Pedunculate oak	18m	720mm	6m	Mature	Ownership unclear. Growing abutting the footpath.	20 Years	27/11/2025	B2
012	Pedunculate oak	18m	720mm	10m	Mature	Large old tip-out wound on the north side of the stem	20 Years	27/11/2025	C2
015	Pedunculate oak	16m	715mm	5m	Mature	Small, distorted crown. Large sections of deadwood.	10 Years	27/11/2025	C1/2
016	English yew	10m	430mm	3m	Mature	Growing through the crowns of adjacent oaks.	20 Years	27/11/2025	B1/2
017	Pedunculate oak	16m	590mm	5m	Over-Mature	Dead tree.	0 Years	27/11/2025	U
018	Pedunculate oak	24m	810mm	5m	Mature	Upright branche architecture.	40 Years	27/11/2025	B1/2
019	Pedunculate oak	24m	810mm	8m	Mature	Extended crown mutually suppressed by the adjacent.	40 Years	27/11/2025	B1/2
020	Pedunculate oak	24m	460mm	7m	Mature	Small elliptical crown. Large dead branch to north.	10 Years	27/11/2025	C1
021	Pedunculate oak	24m	480mm	9m	Mature	High, distorted crown shape.	20 Years	27/11/2025	B1/2
022	Pedunculate oak	24m	510mm	7m	Mature	Short extension growth. Epicormic growth throughout crown.	10 Years	27/11/2025	C1/2
023	Pedunculate oak	24m	480mm; 300mm	6m	Mature	Twin stemmed from 0.5m. Small, distorted crown.	10 Years	27/11/2025	C1/2
024	Pedunculate oak	25m	730mm	5m	Mature	Fair overall physiological and structural condition.	20 Years	27/11/2025	B1/2
025	Pedunculate oak	25m	530mm	5m	Mature	Decay pocked forming at base of stem. Not plotted on survey base plan- location estimated.	0 Years	27/11/2025	U
026	Pedunculate oak	25m	590mm	6m	Mature	Epicormic growth on stem.	20 Years	27/11/2025	B1/2
027	Pedunculate oak	26m	860mm	7m	Mature	Growing on small mound. Crown is biased to the south.	40 Years	27/11/2025	B1/2
028	Pedunculate oak	18m	420mm	5m	Early-Mature	Small suppressed crown.	10 Years	27/11/2025	C1/2
029	Pedunculate oak	25m	820mm	3m	Mature	Slightly shorter extension growth than normal for the species.	40 Years	27/11/2025	B1/2
030	Pedunculate oak	24m	1260mm	6m	Over-Mature	Not plotted on survey base plan- location estimated. Short extension growth and epicormic growth throughout the crown.	20 Years	27/11/2025	C1
031	Pedunculate oak	18m	520mm	2m	Mature	Growing on top of a small bank.	20 Years	27/11/2025	B1/2
032	Pedunculate oak	17m	600mm	4m	Mature	Diameter estimated as stem inaccessible.	40 Years	27/11/2025	B1/2
033	Pedunculate oak	18m	540mm	1m	Mature	Low branch on main stem to southeast. Scattered deadwood	40 Years	27/11/2025	B1/2
034	Pedunculate oak	17m	680mm	5m	Mature	Distorted crown due to group pressure.	20 Years	27/11/2025	B1/2
035	Pedunculate oak	18m	840mm	4m	Mature	Large pruning stubs in crown.	40 Years	27/11/2025	B2
036	Pedunculate oak	3m	400mm		Early-Mature	Dead stump.	0 Years	27/11/2025	U
037	Pedunculate oak	18m	510mm	2m	Early-Mature	One-sided crown.	20 Years	27/11/2025	B2
038	Pedunculate oak	10m	260mm	3m	Early-Mature	Very one-sided crown.	10 Years	27/11/2025	C2
039	Silver birch	10m	270mm	3m	Early-Mature	Small suppressed tree. Not plotted on survey base plan- location estimated.	10 Years	27/11/2025	C2
040	Pedunculate oak	18m	710mm	7m	Mature	Growing on a small bank of a shallow depression.	20 Years	27/11/2025	B1/2
041	Pedunculate oak	16m	430mm	4m	Early-Mature	Deadwood within crown.	10 Years	27/11/2025	C2
042	Pedunculate oak	17m	360mm; 430mm	5m	Early-Mature	Twin stemmed from ground level.	20 Years	27/11/2025	B2
043	Pedunculate oak	19m	420mm	7m	Mature	Small distorted crown.	10 Years	27/11/2025	C1/2
044	Pedunculate oak	19m	450mm	6m	Mature	Upright crown form.	20 Years	27/11/2025	B1/2
045	Pedunculate oak	17m	340mm	6m	Early-Mature	Kinked stem.	20 Years	27/11/2025	C2
046	Pedunculate oak	23m	640mm	6m	Mature	Deadwood in crown.	40 Years	27/11/2025	B1/2
047	English yew	8m	210mm	1m	Semi-Mature	Small understory tree.	20 Years	27/11/2025	C1/2
048	Pedunculate oak	23m	320mm	2m	Mature	One low branch to the south.	20 Years	27/11/2025	B2
049	Pedunculate oak	24m	480mm	8m	Mature	High crown.	40 Years	27/11/2025	B2
093	Pedunculate oak	25m	580mm	9m	Mature	Offsite and inaccessible- dimensions estimated.	40 Years	27/11/2025	A1/2
094	Pedunculate oak	24m	600mm; 600mm	3m	Mature	Offsite and inaccessible- dimensions estimated. Good overall physiological and structural condition. Stem bifurcates at 1m.	40 Years	27/11/2025	A1/2
095	Pedunculate oak	14m	1130mm	1m	Over-Mature	Extensive wounding bark on the lower stem with some degradation of the exposed wood. Evidence of significant limb removal in the upper crown.	20 Years	27/11/2025	B1
096	Pedunculate oak	13m	630mm	2m	Mature	Offsite and inaccessible- dimensions estimated. Not plotted on the survey base plan- location estimated. Fair overall physiological and structural condition.	20 Years	27/11/2025	B1
097	Pedunculate oak	14m	310mm	3m	Early-Mature	Not plotted on the survey base plan- location estimated. Offsite and inaccessible- dimensions estimated. Suppressed crown.	10 Years	27/11/2025	C1
098	Pedunculate oak	18m	1060mm	2m	Mature	Good overall physiological and structural condition.	40 Years	27/11/2025	A1
099	Pedunculate oak	13m	740mm	1.5m	Mature	A small decay pocket at the base was forming, where the secondary stem was historically removed. Deadwood within the upper crown which has very short extension growth. The limb to the west becoming very overextended.	10 Years	28/11/2025	C1/2
100	Pedunculate oak	14m	790mm	1.5m	Mature	Fair overall physiological and structural condition.	20 Years	28/11/2025	B1
101	Common hawthorn	5m	90mm		Mature	Ownership unclear. Once maintained as a hedgerow but has recently been left to grow. Several pruning levels can be seen. Sides have been pruned. It does have screening value. It could be reduced in height to maintain it as a hedge again.	10 Years	2/12/2025	C2
102	Lawson cypress	16m	350mm	2m	Mature	Moderate landscape value. Off-site and inaccessible- dimensions estimated. Individually of lower quality but warrant a collective group rating.	20 Years	2/12/2025	B2
103	Common hawthorn	9m	310mm; 250mm; 260mm; 180mm; 100mm	2m	Veteran	Stem leaning towards Lawson's. The tree has been pruned on the south side	10 Years	28/11/2025	C1
104	Common hawthorn	5m	170mm; 170mm; 170mm	1m	Mature	Multi-stemmed from ground level. The crown is encroaching on the adjacent house. Not plotted on survey base plan- location estimated.	10 Years	28/11/2025	C1/2
105	Common hawthorn	6m	150mm; 100mm; 90mm	2m	Mature	Slight kink in lower stem. Not plotted on survey base plan- location estimated.	10 Years	28/11/2025	C1
106	Apple	4m	300mm	2m	Mature	Not plotted on survey base plan- location estimated. Off-site and inaccessible- dimensions estimated. Domestic fruit tree.	10 Years	28/11/2025	C1
108	Black elder	6m	300mm		Over-Mature	Plotted by eye on plan. Appears to be in terminal decline.	0 Years	28/11/2025	U
109	Black elder	6m	190mm		Over-Mature	Plotted by eye on plan. Appears to be in terminal decline.	0 Years	28/11/2025	U
112	Pedunculate oak	12m	1060mm	2m	Mature	Decay pocket forming at the base. The tree has been historically reduced hard and is re-growing with multiple leaders. Strips of necrotic bark on stem form ground level to 3.5m. Ivy on stem.	20 Years	28/11/2025	B1
113	Silver Wattle / Mimosa	4m	350mm	1m	Mature	Offsite and inaccessible- dimensions estimated. Tree has been heavily pruned. Not plotted on survey base plan- location estimated.	10 Years	28/11/2025	C2
114	Norway spruce	15m	300mm	2m	Early-Mature	Offsite and inaccessible- dimensions estimated. Not plotted on survey base plan- location estimated. Tree has been topped. Sap runs on stem.	10 Years	28/11/2025	C1/2
115	Silver Wattle / Mimosa	3.5m	250mm	1m	Mature	Not plotted on the survey base plan- location estimated.&Ref; Off-site and inaccessible- dimensions estimated.	10 Years	28/11/2025	C1
116	Cherry	5m	150mm; 130mm; 130mm; 130mm; 130mm; 130mm	1m	Mature	Dense cluster of stems from ground level. Ivy on stems. Not plotted on survey base plan- location estimated.	10 Years	28/11/2025	C1
117	Cherry	4m	260mm	1.5m	Early-Mature	Stem bifurcates at 1.8m. &Ref; Not plotted on survey base plan- location estimated.	10 Years	28/11/2025	C1
118	Cherry	5m	260mm; 230mm; 190mm		Mature	Stem divides at ground level. Decay is evident in the western stem with fungal brackets present.	10 Years	28/11/2025	U
119	Crab apple	6m	370mm		Mature	Crown slightly distorted due to adjacent cherry.	20 Years	28/11/2025	B2
120	Pedunculate oak	12m	490mm		Early-Mature	Fair overall physiological and structural condition. Off-set stem. Has never been crown lifted.	20 Years	28/11/2025	B1
121	Swedish whitebeam	6m	320mm		Mature	One-sided crown as suppressed by adjacent tree. Not plotted on survey base plan- location estimated.	10 Years	28/11/2025	C1
122	Cherry plum	8m	350mm; 350mm; 350mm		Over-Mature	Multi-stemmed from ground level. Stems are starting to fall apart.	0 Years	28/11/2025	U
123	Swedish whitebeam	7m	450mm	1m	Mature	Unbalanced crown shape. Ivy on stems. Not plotted on survey base plan- location estimated.	10 Years	28/11/2025	C1
124	Common ash	7m	180mm	2m	Semi-Mature	Not plotted on survey base plan- location estimated.	10 Years	28/11/2025	C1
125	Common hawthorn	3m	250mm		Mature	Small squat form. Ivy in crown. &Ref; Not plotted on survey base plan- location estimated.	10 Years	28/11/2025	C1
126	Apple	2.5m	170mm		Mature	Unremarkable tree swamped by adjacent trees.	0 Years	28/11/2025	U
127	Cherry plum	5m	80mm; 80mm		Semi-Mature	Multi-stemmed from ground level.	10 Years	28/11/2025	C1
128	Common hawthorn	3.5m	90mm; 60mm; 90mm		Early-Mature	Small and inconsequential.	10 Years	28/11/2025	C1
129	Purple norway maple	10m	420mm	1.5m	Mature	Good overall physiological and structural condition.	40 Years	28/11/2025	A1
131	Silver birch	4m	240mm	1m	Mature	Weeping form.	10 Years	28/11/2025	C1
133	Pedunculate oak	18m	870mm	1.5m	Mature	Crown biased to the south but in overall good condition.	40 Years	28/11/2025	B1/2
134	Pedunculate oak	25m	860mm	2m	Mature	Ivy on lower stem. Tree growing at the hip of a bank. Upper crown slightly sparser than normal.	20 Years	28/11/2025	B1/2
135	Pedunculate oak	23m	740mm	2m	Mature	Crown distorted by adjacent tree.	20 Years	28/11/2025	B1/2
136	Pedunculate oak	17m	480mm	3m	Mature	Growing on the slope of bank. Ivy on stem.	20 Years	28/11/2025	B1
139	Pedunculate oak	23m	1070mm	1.5m	Mature	Good overall physiological and structural condition.	40 Years	28/11/2025	A1
140	Goat willow	15m	540mm	2m	Over-Mature	Decay pocket noted at base. Deadwood within crown. Limb asymmetry. Not plotted on survey base plan- location estimated.	0 Years	28/11/2025	U
147	Pedunculate oak	22m	1500mm		Over-Mature	According to RAVEN 2, this is a notable tree. Large old pruning wound on the stem. Has historically removed on the northeast side. Some dieback in the northeast crown.	40 Years	28/11/2025	B1
148	Pedunculate oak	22m	1380mm	2m	Mature	One branch in the upper central crown has died, with ivy on the lower stem. Notable tree.	40 Years	28/11/2025	A1
149	Pedunculate oak	23m	1160mm	4m	Mature	Good overall physiological and structural condition. Not plotted on survey base plan- location estimated. Growing at the top edge of a 2m bank.	40 Years	28/11/2025	A1
153	Lawson cypress	17m	430mm	1m	Mature	Line of trees that have been topped at least twice. Some limbs have started to fail. Overall low quality trees.	10 Years	2/12/2025	C2
154	Pedunculate oak	23m	1370mm	6m	Mature	Fistulina bracket noted at base. Tree has been previously crown reduced hard and now regrown. Multiple cavities and wounds in the scaffolds. Notable tree. Not plotted on survey base plan- location estimated.	20 Years	28/11/2025	B1/3
155	Pedunculate oak	18m	710mm	3m	Mature	Growing on the banks of a small drainage ditch.	20 Years	28/11/2025	B1
156	Pedunculate oak	25m	600mm	9m	Mature	Fair overall physiological and structural condition.	20 Years	28/11/2025	B1/2
157	Pedunculate oak	22m	580mm	5m	Mature	Slightly shorter than normal extension growth.	20 Years	28/11/2025	B1
158	Pedunculate oak	23m	400mm; 400mm; 400mm	3m	Mature	Cluster of three stems, likely the same tree. Crown growing as one. Dimensions are estimated average.	20 Years	28/11/2025	B2
159	Pedunculate oak	24m	390mm; 500mm	9m	Mature	Twin stemmed from 0.5m. crown biased to the north.	20 Years	28/11/2025	B2
160	Pedunculate oak	23m	460mm	9m	Mature	Small distorted crown.	20 Years	28/11/2025	C2
161	Pedunculate oak	23m	570mm	6m	Mature	Crown distorted by adjacent trees.	20 Years	28/11/2025	B2
162	Pedunculate oak	150m	270mm	2m	Early-Mature	The upper 1/3 of the crown is dead. Ivy on stem. Not plotted on survey base plan- location estimated.	10 Years	28/11/2025	C1
163	Pedunculate oak	22m	440mm	2m	Mature	Distorted crown shape.	20 Years	28/11/2025	B2
164	Pedunculate oak	22m	540mm	3m	Mature	One-sided crown due to larger adjacent tree.	20 Years	28/11/2025	B1
165	Pedunculate oak	24m	690mm	1m	Mature	Overall in good condition.	40 Years	28/11/2025	A1/2
166	Pedunculate oak	20m	580mm; 370mm	2m	Mature	Stem bifurcates at 1m. Not plotted on the survey base plan- location estimated.	20 Years	28/11/2025	B1
167	Pedunculate oak	19m	415mm	2m	Mature	Growing through adjacent conifers.	20 Years	28/11/2025	B2
168	Pedunculate oak	23m	430mm	5m	Mature	Growing through adjacent trees that have a suppressed crown shape.	20 Years	28/11/2025	B2

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# denotes estimated dimension. Typically due to the tree being inaccessible.
Where dimensions are not listed please refer to the plan graphics for an indicative representation (typically for groups).

Trees & Groups for Removal

Removal Trees / Groups

Ref	Species	Common Name	Height	Stem Diameter	Crown Clearance	Age Class	Observations	Est. Remaining Contribution	Date Surveyed	BS Cat	No.
101	Crataegus monogyna	Common hawthorn	5m	90mm		Mature	Ownership unclear. Once maintained as a hedgerow but has recently been left to grow. Several pruning levels can be seen. Sides have been pruned. It does have screening value. It could be reduced in height to maintain it as a hedge again.	10 Years	2/12/2025	C2	1
107	Mixed group	Mixed group	5m	280mm; 280mm	1m	Mature	Cluster of maturing trees. low quality trees, individually. Stem locations not plotted on topo.	10 Years	2/12/2025	C2	1
110	Juniperus sp.	Juniper	8m	520mm		Mature	Overall of poor form. Not plotted on survey base plan- location estimated.	20 Years	28/11/2025	C1/2	1
111	Quercus robur	Pedunculate oak	11m	860mm	3m	Over-Mature	The tree is in terminal irreversible decline.	0 Years	28/11/2025	U	1
130	Betula pendula	Silver birch	7m	240mm		Early-Mature	Unfavourable relationship with adjacent building. Not plotted on survey base plan- location estimated.	10 Years	28/11/2025	C1	1
132	Salix caprea	Goat willow	5m	180mm	1m	Early-Mature	Not plotted on survey base plan- location estimated. Growing against buildings.	10 Years	28/11/2025	C1	1
137	Chamaecyparis lawsoniana	Lawson cypress	6m	310mm	1m	Mature	Line of trees planted at approximately 2.5m spacing. Not trees are not shown on topo. All trees have been topped at least twice. Dimensions are estimated average.	10 Years	2/12/2025	C2	1
138	Quercus robur	Pedunculate oak	18m	630mm	1m	Mature	Good overall physiological and structural condition.	40 Years	28/11/2025	B1	1
141	Chamaecyparis lawsoniana	Lawson cypress	11m	400mm	1m	Mature	Line of trees at approximately 2.5m spacing. All have been topped at least twice with some being heavily pruned on the east side recently.	10 Years	2/12/2025	C2	1
142	Quercus robur	Pedunculate oak	15m	320mm	4m	Mature	Small and inconsequential.	10 Years	28/11/2025	C1	1
143	Quercus robur	Pedunculate oak	18m	850mm	2m	Mature	Dieback and stag heading in the upper crown.	10 Years	28/11/2025	C1	1
144	Quercus robur	Goat willow	18m	870mm	5m	Mature	Very short extension growth on a spare crown.	0 Years	28/11/2025	U	1
145	Salix caprea	Goat willow	5m	140mm; 140mm; 140mm; 140mm; 140mm; 140mm; 140mm; 140mm	1m	Mature	Multi-stemmed from ground level with weak forks forming.	10 Years	28/11/2025	C1	1
146	Prunus sp. 'Cherry'	Cherry	8m	360mm	2m	Mature	Necrotic bark at 3m from old canker.	10 Years	28/11/2025	C1/2	1
150	Ilex aquifolium	Common holly	6m	200mm; 200mm; 200mm; 200mm; 200mm; 200mm; 200mm; 200mm	1m	Mature	Growing at the top of small bank. Multi-stemmed from ground level. Slightly sparsely foliated.	10 Years	28/11/2025	C1/2	1
151	Quercus robur	Pedunculate oak	7m	230mm		Early-Mature	Large wound in the stem. One-sided crown.	10 Years	28/11/2025	C1	1
152	Prunus laurocerasus	Laurel cherry	5m	240mm		Semi-Mature	Not plotted on survey base plan- location estimated.	10 Years	28/11/2025	C1	1
169	Quercus robur	Pedunculate oak	20m	740mm	1m	Mature	Shorter than normal extension growth gives a sparse crown appearance.	20 Years	28/11/2025	B1	1
170	Quercus robur	Pedunculate oak	23m	440mm	6m	Early-Mature	Small crown up crown shape.	20 Years	28/11/2025	B2	1
171	Quercus robur	Pedunculate oak	23m	430mm	5m	Mature	Crown distorted by group pressure.	20 Years	28/11/2025	B1	1
172	Chamaecyparis lawsoniana	Lawson cypress	14m	290mm	2m	Mature	Line of trees along the boundary that looks to have been topped at least once. Limited lower growth resulting in a lower screening value. Dimensions are estimated average.	10 Years	2/12/2025	C2	1
173	X Cupressocyparis leylandii	Leyland cypress	13m	550mm		Mature	Diameter estimated as stem inaccessible. Fair overall physiological and structural condition.	10 Years	28/11/2025	C1	1
174	X Cupressocyparis leylandii	Leyland cypress	15m	860mm	1m	Mature	Fast growing non native. Patches of dieback in the crown.	10 Years	28/11/2025	C1	1
175	Quercus robur	Pedunculate oak	16m	670mm	3m	Mature	Ivy on stem. Crown is biased to south. Shorter than normal extension growth.	10 Years	3/10/2026	B2	1
176	Quercus robur	Pedunculate oak	16m	550mm	1m	Mature	Large wounded bark wound on ground level to 1.8m north side, with opening into stem 12cm dia, cavity looks to be approximately 40% of the stem area at this point further opening at 3m on opposite side measuring only 4cm.	10 Years	3/10/2026	C2	1

Total: 25

NOTES
This Tree Survey has been undertaken within the recommendations of BS5837:2012 and BS 5837:2005 and current arboricultural best practice.
• The reference numbers of surveyed trees and groups relate to the survey schedule. Individual groups may be estimated, and indicative of canopy spread.
• The tree survey was carried out from ground level only, with the aid of binoculars as necessary, following the Visual Tree Assessment (VTA) method. Where trees are inaccessible, dimensions and the estimated appraisal has been made of their quality and dimensions.
• Where trunks or branches are obscured by ivy or other materials a full assessment of those parts will not be possible.
• Height dimensions are estimated and are given in metres.
• Trunk/stem diameters are measured in mm at 1.5 metres above ground level (or immediately above where this is not possible, then Figure 3.2 of the British Standard is followed).
• Crown spreads are diagrammatically represented on the plan. They, where markedly asymmetrical, were measured or estimated by pacing/ in four directions (N, E, S, W) to the extremities of the canopy, or where measured in one direction only, with dimensions in the remaining directions assumed to be similar. For the purposes of this survey, the crown spread recorded at each compass point is measured from conicalated groups will have further notes taken and an accurate representation will be shown on the plan.

Rev.	DATE:	UPDATES:	DRAWN:

Tree ref/category/species & TPO ref
Root protection area
Crown spread
Veteran/Ancient tree & woodland buffer (ref: NPPF & BNG)
Tree / Group to be removed

BS 5837:2012 Tree Quality Categories:
- Category A – High quality
- Category B – Moderate quality
- Category C – Low quality
- Category U – Unsuitable for retention

Guidance on the implementation and use of this information, along with its limitations and more can be downloaded here: https://bit.ly/3837FAD

This plan has been drafted in colour. A monochrome version must not be relied upon

Tree Removals

Padnell Grange,
Waterlooville, PO8 8ED

Date: 10/03/2026
Scale: NTS
DWG Ref: MW.2512.PGW.TR

Base plan/site survey reference: _01-09.dwg

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