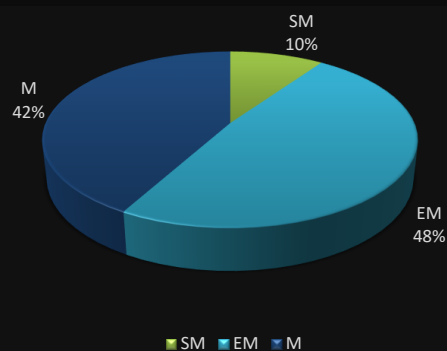


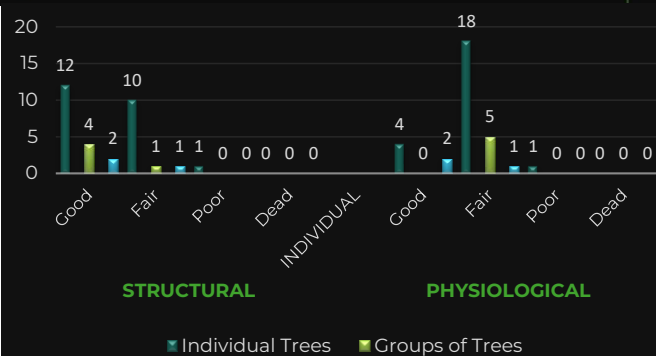
Age Distribution of the Tree Population.

The distribution of the tree populations age is useful for understanding expected longevity which can help inform the BS5837 useful life expectancy, and help homeowners or property managers to make informed decisions on mitigation, tree management and replacement.



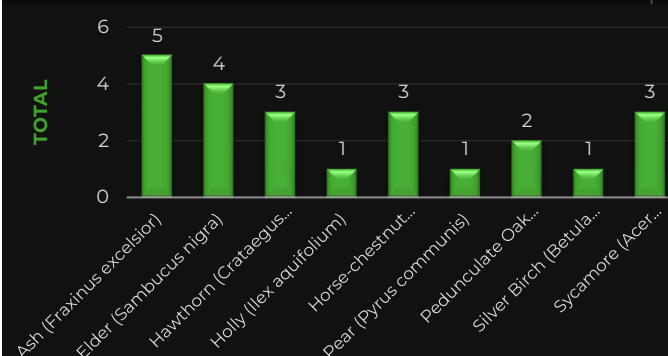
Distribution of Physiological and Structural Conditions across the Tree Population.

Physiological condition provides an indication of the vitality of the tree. Structural condition is related to the presence of defects that can lead to failures.



Species Composition of the Individual Tree Population.

The proportions of any given family, genus, species, and cultivar which make up the total individually recorded tree population across the Site.



Ancient Woodland and Ancient, Veteran and Notable Trees

Ancient Tree - A tree that has passed beyond maturity and is old, or aged, in comparison with trees of the same species. Characterised by biological, cultural, or aesthetic features of interest.

Ancient Woodland - Any wooded area that has been continuously wooded since 1600 AD

Veteran Tree - Exhibiting features of biological, cultural, or aesthetic value characteristic of species surviving beyond the typical age range.

Notable Tree - mature trees which may stand out in the local environment because they are large in comparison with other trees around them.

Forestry Commission and Natural England Guidance for the protection of ancient woodland, ancient trees and veteran trees from development and the use of semi-natural buffer zones:

- Fifteen metres between any development and ancient woodland.

- Fifteen times the diameter of its stem or 5m from the edge of its canopy, if that's greater, around any ancient or veteran tree.

ANCIENT WOODLAND

ANCIENT TREES

VETERAN TREES

NOTABLE TREES

0

0

0

0

BS5837:2012 TREE SURVEY SCHEDULE

CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY U
Trees with an estimated remaining contribution of at least 40 years. Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features.	Trees with an estimated remaining life expectancy of at least 20 years. Trees that might be included in category A, but are downgraded because of impaired condition or trees lacking the special quality necessary to merit the category A designation.	Trees with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm. Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories.	Trees in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years.
Sub-categories	Mainly arboricultural value 1	Mainly landscape value 2	Mainly cultural or conservation value 3
Summary of Individual trees, Groups, Woodlands and Hedges			
	T2, T3, T4, T5, T7, T9, T10, T15, T16, T17, T22, G3	T1, T6, T8, T11, T12, T13, T14, T18, T20, T21, T23, G1, G2, G4, G5, H1, H2, H3	T19
0	12	18	1
Estimated Remaining Contribution (ERC)			
> 40 years	> 20 years	< 20 years	< 10 years
Breakdown of Arboricultural Features for each BS5837:2012 Category			
Trees 0	Trees 11	Trees 11	Trees 1
Groups 0	Groups 1	Groups 4	Groups 0
Woodlands 0	Woodlands 0	Woodlands 0	Woodlands 0
Hedgerows 0	Hedgerows 0	Hedgerows 3	Hedgerows 0
Percentage of tree population 0.0%	Percentage of tree population 38.7%	Percentage of tree population 58.1%	Percentage of tree population 3.2%
In assigning the BS5837:2012 Category, particular consideration has been given to the presence of any structural defects for each feature, the size and form of each feature, its suitability within the context of a proposed development, and the location of each feature relative to existing site features e.g. its screening value or landscape amenity value.			

Individual Trees																		
Tree No.	Tag No.	Species (Common & Scientific Name)	Height (m)	No. of Stems	Stem Dia (mm)	Crown Spread (m) N E S W				Crown Clear (m)	Age Class	Phys Cond	Struc Cond	Assessment Observations and Preliminary Recommendations	Estimated Remaining Contribution (erc)	BS5837 Category	RPA (m²)	RPA Radius (m)
T1	0	Ash (Fraxinus excelsior)	8	1	180	3	2	2	3	3.5	EM	Good	Good	Characteristic for species, No major defects were noted. Pruning wounds on the main stem.	10+	C1	14.7	2.2
T2	0	Sycamore (Acer pseudoplatanus)	11	1	750	6.5	6	6	6	2	M	Fair	Fair	Dense ivy cover on main stem impeded inspection, Measurements approximated, Multi leadered form from crown break, No major defects were noted. Dense ivy impeded inspection of main stem and crown framework.	20+	B1	254.5	9.0
T3	0	Pedunculate Oak (Quercus robur)	9	1	490	1.5	4	5	6	2.5	EM	Fair	Fair	Dense ivy cover on main stem impeded inspection, Multi leadered form from crown break, No major defects were noted. Positioned off-site.	20+	B1	108.6	5.9
T4	0	Holly (Ilex aquifolium)	8	1	320	2.5	2	2	2	0.5	M	Good	Good	Characteristic for species, Low crown form, No major defects were noted. Telegraph pole to the east, within 2.5m.	20+	B1	46.3	3.8
T5	0	Horse-chestnut (Aesculus hippocastanum)	15.5	1	1000	7	7	8	6.5	2	M	Good	Fair	Bark wounds noted, Basal cavity observed, Dense ivy cover on main stem impeded inspection, Exposed, decaying heartwood, Multi leadered form from crown break. Small basal cavity noted on the west side of the main stem, base to circa. 250mm. Several resin fluxes also noted. On the south side of the main stem is an area of exposed heartwood, decaying. Reaction wood noted. Dense ivy needs severing to aid inspect.	20+	B1	452.4	12.0
T6	0	Horse-chestnut (Aesculus hippocastanum)	12.5	1	832	6	4	6	6	3	M	Fair	Fair	Bark wounds noted, Delaminating bark on main stem, Dieback of the crown observed, Exposed, decaying heartwood, Large diameter dead wood evident in the crown (>35mm). Tree positioned along the boundary. Large area of exposed heartwood on the western face of the main stem - extends from ground level to circuit 2 m. Upper crown dying back and houses several large diameter dead branches. Codominant stems from circa 3 m.	10+	C1	313.2	10.0

Individual Trees																		
Tree No.	Tag No.	Species (Common & Scientific Name)	Height (m)	No. of Stems	Stem Dia (mm)	Crown Spread (m)				Crown Clear (m)	Age Class	Phys Cond	Struc Cond	Assessment Observations and Preliminary Recommendations	Estimated Remaining Contribution (erc)	BS5837 Category	RPA (m²)	RPA Radius (m)
						N	E	S	W									
T7	0	Horse-chestnut (Aesculus hippocastanum)	15.5	1	1010	6.5	5.5	7	7	3	M	Fair	Fair	Dense ivy cover on main stem impeded inspection, Multi leadered form from crown break, Small diameter dead wood evident in the crown (<35mm). Dense ivy cover from ground level to circa 12 m in feet inspection of main stem and crown framework. No obvious major defects. Sever, ivy and reinspect within 12 months due to trees roadside position.	20+	B1	461.5	12.1
T8	0	Elder (Sambucus nigra)	3	12	50	1	1	1	1	0	EM	Fair	Fair	Characteristic for species. Small tree.	10+	C1	13.6	2.1
T9	0	Pear (Pyrus communis)	7	1	207	3	3	3.5	1	1.5	M	Good	Fair	Characteristic for species. Suppressed crown form.	20+	B1	19.4	2.5
T10	0	Silver Birch (Betula pendula)	14	1	375	4.5	4.5	4	4	2	M	Good	Good	Characteristic for species, Light ivy cover. No obvious major defects. Stem leans from vertical directed to the east.	20+	B1	63.6	4.5
T11	0	Hawthorn (Crataegus monogyna)	6	4	370	2	6.5	2	3	1	M	Fair	Fair	Dense ivy cover on main stem impeded inspection, Dense undergrowth at base, Measurements approximated, Multi-stemmed from base, Unable to gain access to assess closely. Hawthorn on the boundary with a large stem orientated East which extends horizontally into the site.	10+	C1	61.9	4.4
T12	0	Hawthorn (Crataegus monogyna)	6.5	2	305	3.5	6	2	2.5	1	M	Fair	Fair	Dense ivy cover on main stem impeded inspection, Dense undergrowth at base, Low crown form, Measurements approximated. Positioned on the western boundary, possibly off-site.	10+	C1	42.0	3.7
T13	0	Elder (Sambucus nigra)	4	1	140	1	1	2	2	1	EM	Fair	Fair	Dense ivy cover on main stem impeded inspection, Dense undergrowth at base, Low crown form, Measurements approximated, Suppressed crown form. Positioned on the western boundary, possibly off-site.	10+	C1	8.9	1.7

INDIVIDUAL TREES																		
TREE NO.	TAG NO.	SPECIES (COMMON & SCIENTIFIC NAME)	HEIGHT (m)	NO. OF STEMS	STEM DIA (mm)	CROWN SPREAD (m)				CROWN CLEAR (m)	AGE CLASS	PHYS COND	STRUC COND	ASSESSMENT OBSERVATIONS AND PRELIMINARY RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION (erc)	BS5837 CATEGORY	RPA (m²)	RPA RADIUS (m)
T14	0	Hawthorn (Crataegus monogyna)	5.5	3	412	3.5	4.5	2.5	2.5	1	M	Fair	Fair	Dense ivy cover on main stem impeded inspection, Dense undergrowth at base, Low crown form, Measurements approximated. Positioned on the western boundary, possibly off-site.	10+	C1	77.0	4.9
T15	0	Pedunculate Oak (Quercus robur)	10.5	1	408	5.5	6	6	5	1.5	EM	Good	Fair	Characteristic for species, Dense ivy cover on main stem impeded inspection, Dense undergrowth at base. Measurements approximated.	20+	B1	75.3	4.9
T16	0	Ash (Fraxinus excelsior)	13	1	630	6.5	5.5	7.5	6	2	EM	Good	Fair	Dense ivy cover on main stem impeded inspection, Dense undergrowth at base, Measurements approximated, No major defects were noted. Believed to be situated. Off-site.	20+	B1	179.6	7.6
T17	0	Sycamore (Acer pseudoplatanus)	13	1	560	4	5.5	7	3.5	1.5	EM	Good	Fair	Characteristic for species, Dense ivy cover on main stem impeded inspection, Dense undergrowth at base, Measurements approximated. Appears to be situated off-site.	20+	B1	141.9	6.7
T18	0	Ash (Fraxinus excelsior)	17	1	690	8	8	8	9	2	M	Fair	Fair	Branch stubs evident, Dense ivy cover on main stem impeded inspection, Epicormic growth evident within the crown, Large diameter dead wood evident in the crown (>35mm). Measurements approximate only. Upper crown, sparse and thinning. No major defects noted. However, dense undergrowth and ivy makes full assessment difficult. Sever ivy and reinspect within 12 months.	20+	C1	215.4	8.3
T19	0	Ash (Fraxinus excelsior)	16	1	700	7.5	6	5	5.5	4	M	Poor	Poor	Branch stubs evident, Dense ivy cover on main stem impeded inspection, Epicormic growth evident within the crown, Large diameter dead wood evident in the crown (>35mm). Measurements approximate only. Upper crown, sparse and thinning with extensive die back. Dense undergrowth and ivy makes full assessment difficult however, trees roadside position means that in the interest of risk to the public, tree should be removed. Fell to ground level.	<10	U	221.7	8.4
T20	0	Elder (Sambucus nigra)	5.5	10	120	2	1.5	2	3.5	1	EM	Good	Fair	Characteristic for species. Multi-stemmed from base.	10+	C1	65.1	4.6

Individual Trees																		
Tree No.	Tag No.	Species (Common & Scientific Name)	Height (m)	No. of Stems	Stem Dia (mm)	Crown Spread (m)				Crown Clear (m)	Age Class	Phys Cond	Struc Cond	Assessment Observations and Preliminary Recommendations	Estimated Remaining Contribution (erc)	BS5837 Category	RPA (m²)	RPA Radius (m)
						N	E	S	W									
T21	0	Elder (Sambucus nigra)	5.5	6	170	2	3.5	2	1	1	EM	Good	Fair	Characteristic for species. Multi-stemmed from base.	10+	C1	78.4	5.0
T22	0	Sycamore (Acer pseudoplatanus)	10	1	280	4	2.5	3	3.5	1	SM	Good	Good	Characteristic for species, Dense undergrowth at base. No obvious major defects.	20+	B1	35.5	3.4
T23	0	Ash (Fraxinus excelsior)	10.5	1	320	5	4	5	6	1	EM	Good	Fair	Dense ivy cover on main stem impeded inspection, Dense undergrowth at base, Measurements approximated. Tree has developed with a swept stem.	20+	C1	46.3	3.8

GROUPS OF TREES AND WOODLANDS																			
TREE NO.	TAG NO.	SPECIES (COMMON & SCIENTIFIC NAME)	MIN HEIGHT (m)	MAX HEIGHT (m)	NO. OF STEMS	STEM DIA (mm)	CROWN SPREAD (m) N E S W				CROWN CLEAR (m)	AGE CLASS	PHYS COND	STRUC COND	ASSESSMENT OBSERVATIONS AND PRELIMINARY RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION (erc)	BS5837 CATEGORY	RPA (m²)	RPA RADIUS (m)
G1	0	Hawthorn (Crataegus monogyna), Sycamore (Acer pseudoplatanus)	5	8.5	1	150	1	1.5	1	1.5	1.5	SM	Good	Fair	Characteristic for species. Positioned within the laurel hedge.	10+	C2	10.2	1.8
G2	0	Elder (Sambucus nigra), Wild Cherry (Prunus avium)	3.5	7.5	2	170	2	2	2	2	1	SM	Good	Fair	Characteristic for species, Interlocking crowns, Un-maintained hedgerow. Butterfly bush. Unmaintained hedge along the western boundary composed predominantly of self-set cherry and butterfly bush.	10+	C2	13.1	2.0
G3	0	Ash (Fraxinus excelsior), Sycamore (Acer pseudoplatanus), Wild Cherry (Prunus avium)	7	16	1	640	5	9.5	6	6	3	M	Good	Fair	Base obscured and inspection impeded, Dense ivy cover on main stem impeded inspection, Dense undergrowth at base, Interlocking crowns, Low crown form, Situated offsite. 15 trees. Trees are positioned along the western boundary and ownership undetermined. Dense ivy cover from ground level to circa 10-11m impedes inspection of stems and crown framework. No obvious major defects noted.	20+	B2	185.3	7.7
G4	0	Elder (Sambucus nigra), English Elm (Ulmus procera), Hawthorn (Crataegus monogyna)	2	6.5	1	200	1.5	1.5	1.5	1.5	0	EM	Fair	Fair	Measurements approximated, Multi-stemmed from base. No obvious major defects, unmaintained section of hedge.	10+	C2	18.1	2.4
G5	0	Cherry Laurel (Prunus laurocerasus), Cherry Laurel (Prunus laurocerasus), Elder (Sambucus nigra), Hawthorn (Crataegus monogyna)	4	6.5	3	200	2	2	2	2	0.5	EM	Good	Fair	Characteristic for species, Dense undergrowth at base, Dieback of the crown observed, Measurements approximated, Multi-stemmed from base. Would benefit from some formal management. Gaps present. Unmaintained outgrown hedge.	20+	C2	18.1	2.4

HEDGES																			
Tree No.	Tag No.	Species (Common & Scientific Name)	Min Height (m)	Max Height (m)	No. of Stems	Stem Dia (mm)	Crown Spread (m)				Crown Clear (m)	Age Class	Phys Cond	Struc Cond	Assessment Observations and Preliminary Recommendations	Estimated Remaining Contribution (erc)	BS5837 Category	RPA (m²)	RPA Radius (m)
							N	E	S	W									
H1	0	Cherry Laurel (Prunus laurocerasus), Cherry Laurel (Prunus laurocerasus)	0	1.7	1	100	1	1	1	1.5	0	EM	Good	Good	Characteristic for species. Maintained hedge.	10+	C2	4.5	1.2
H2	0	Cherry Laurel (Prunus laurocerasus), Cherry Laurel (Prunus laurocerasus)	1.5	2	1	100	1	1	1	1	0	EM	Good	Good	Characteristic for species. Maintained hedge.	10+	C2	4.5	1.2
H3	0	Ash (Fraxinus excelsior), Blackthorn (Prunus spinosa), Elder (Sambucus nigra), English Elm (Ulmus procera), Hawthorn (Crataegus monogyna)	3	8.5	3	170	1.5	1.5	1.5	1.5	0	EM	Fair	Fair	Dead trees observed, Gaps present in hedgerow, Interlocking crowns, Measurements approximated. Unmaintained boundary hedge characteristic of the species. Several dead elm trees noted on the northern boundary in between larger ash T18 and trees T16 and T17.	20+	C2	13.1	2.0