

Appendix A - Tree Schedule

Measurements	Age Classes	Quality Assessment of BS Category	ULE (relates to BS Category)
Height - Measured using a digital laser clinometer (m)	YNG: Establishing, typically with good vigour and fast growth rates and strong apical dominance; c. less than 1/3 life expectancy	Category U - 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.	<10 years
Stem Dia. - Diameter measured (mm) in accordance with Annex C of the BS5837	SM: Semi-mature trees less than 1/3 life expectancy	Category A - Trees of high quality with an estimated remaining life expectancy of at least 40 years.	40+ years
Crown Radius - Measured using a digital laser clinometer radially from the main stem (m)	EM: Established, typically vigorous and increasing in apical height and lateral spread; 1/3 - 2/3 life expectancy. Offers landscape significance	Category B - Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.	20-40 years
Abbreviations est - Estimated stem diameter avg - Average stem diameter for multiple stems upto - Maximum stem diameter of a group	M: Fully established over 2/3 life expectancy, generally good vigour and achieving full height potential with crown still spreading	Category C - Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.	10-20 years
	OM: Fully mature, at the extremes of expected life expectancy, vigour decreasing, declining or moribund	Sub-categories: (i) - Mainly arboricultural value (ii) - Mainly landscape value (iii) - Mainly cultural or conservation value	
	V: biological, cultural or aesthetic value comprising niche saproxylic habitat. Individuals of large proportions (stem girth) in comparison to trees of the same species/surviving beyond the typical age range for their species.	The BS category particular consideration has been given to the following: <ul style="list-style-type: none"> The presence of any structural defects in each tree/group and its future life expectancy The size and form of each tree/group and its suitability within the context of a proposed development The location of each tree relative to existing site features e.g. its screening value or landscape features Age class and life expectancy 	

Structural Condition	Physiological Condition
Good - No significant structural defects	Good - No significant health problems
Fair - Structural defects that can be remediated	Fair - Symptoms of ill-health that can be remediated
Poor - Significant defects beyond remediation, present a risk of failure in the foreseeable future	Poor - Significant ill-health. Unlikely the tree will recover in the long term
Dead - Dead tree with structural integrity of tree severely compromised	Advanced Decline / Dead - Advanced state of decline and unlikely to recover or Dead

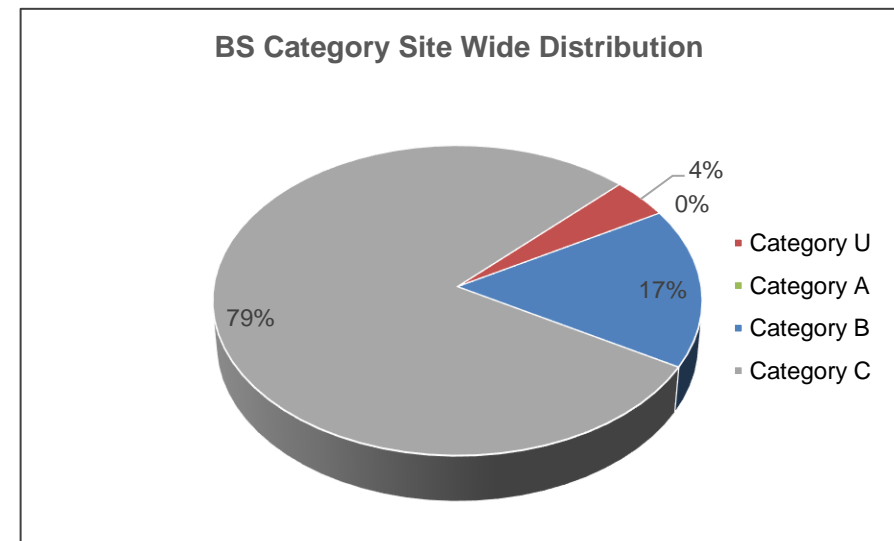
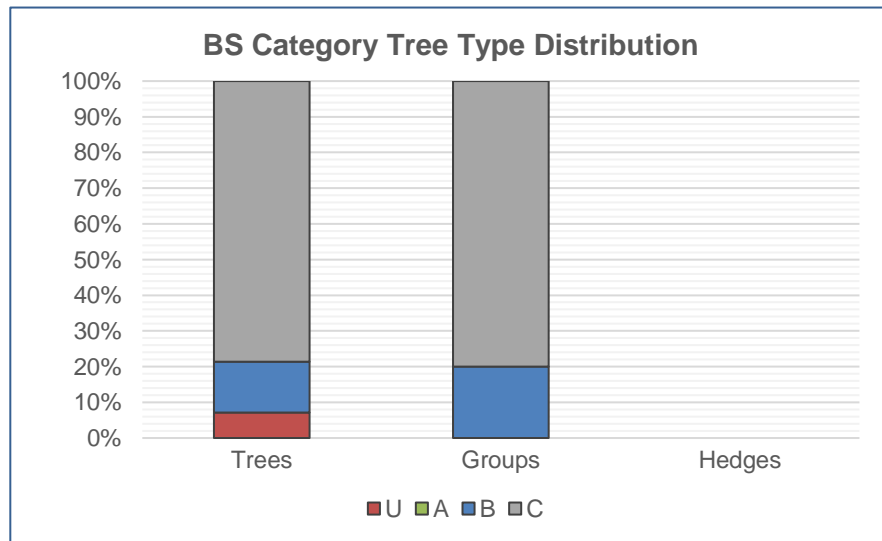
Root Protection Area (RPA)
<ul style="list-style-type: none"> The RPA Radius column provides the extent of an equivalent circle from the centre of the stem (m). The RPA is calculated using the formulae described in paragraph 4.6.1 of British Standard 5837: 2012 and is indicative of the rooting area required for a tree to be successfully retained. Tree roots extend beyond the calculated RPA in many cases and where possible a greater distance should be protected. Where veteran trees have been identified the RPA has been calculated in accordance with Natural England guidance i.e. 15x the stem diameter, uncapped.

Appendix Summary

	Individual Trees	Totals	Tree Groups and Hedgerows	Totals
Category U	T10	1		0
Category A		0		0
Category B	T12, T14	2	G1, G5	2
Category C	T1, T2, T3, T4, T5, T6, T7, T8, T9, T11, T13	11	G2, G3, G4, G6, G7, G8, G9	8
	Total	14	Total	10

BS Category Tree Type Distribution displays the proportion of trees assessed in each type to enable a better understanding of the category distribution.

BS Category Site Wide Distribution shows the proportion of trees assessed in each category across the whole site which allows an interpretation of the site's overall quality.



Tree No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
INDIVIDUAL TREES										
T1	Sycamore Acer pseudoplatanus	9	est 110 230 150 210	4	SM	P	Browsing damage noted on main stem Crossing and rubbing branches Minor dead wood evident in the crown (<75mm) Multi stemmed from base	60	4.4	C (i)
T2	Ash Fraxinus excelsior	20	est 1000	12	M	P	Branch socket cavities observed Branch stubs evident Broken branches evident Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm) Large cavity on west side of stem	452	12.0	C (i)
T3	Holly Ilex aquifolium	7	100 80 80	3	SM	F	Base obscured Characteristic for species	10	1.8	C (i)
T4	Holly Ilex aquifolium	5	100 80 80	3	SM	F	Base obscured Characteristic for species	10	1.8	C (i)
T5	Ash Fraxinus excelsior	8	260 330	5	EM	P	Bark wounds noted Basal suckers present Branch socket cavities observed Branch stubs evident Broken branches evident Loss of most bark on southern stem	80	5.0	C (i)
T6	Ash Fraxinus excelsior	7	est 7x 150	3	SM	F	Set in hedgerow Base obscured	71	4.8	C (i)
T7	Elder Sambucus nigra	6	7x 120	3	SM	F	Characteristic for species No major defects were noted	46	3.8	C (i)
T8	Elder Sambucus nigra	5	10x 80	3	SM	F	Characteristic for species No major defects were noted	29	3.0	C (i)

Tree No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
T9	Ash Fraxinus excelsior	7	est 250 100 100 100	5	SM	F	Set in hedgerow Typical form	42	3.6	C (i)
T10	Sycamore Acer pseudoplatanus	8	150 150 150	3	SM	D	No live growth present Manure stacked at base	N/A	N/A	U
T11	Sycamore Acer pseudoplatanus	9	7x 150	4	SM	F	Branch stubs evident Broken branches evident Minor dead wood evident in the crown (<75mm) Pruning wounds noted	71	4.8	C (i)
T12	Field Maple Acer campestre	12	7x 180	6	EM	F	Dense undergrowth at the base Multi stemmed from base No major defects were noted	103	5.7	B (i)
T13	Goat Willow Salix caprea	5	est 70 70 70	2	SM	F	Growing around fence	7	1.5	C (i)
T14	English Oak Quercus robur	15	950	8	M	F	Bark wounds noted Basal cavity observed Epicormic growth evident within the crown Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm) Loss of bark and cavity at base with decay present	408	11.4	B (i)

Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
GROUPS OF TREES										
G1	Sycamore Acer pseudoplatanus	21	550	8	M	F	Minor dead wood evident in the crown (<75mm) No major defects were noted	137	6.6	B (i)
G2	Ash Fraxinus excelsior Hawthorn Crataegus monogyna Sycamore Acer pseudoplatanus Holly Ilex aquifolium	6	avg 120	2	SM	F	Branch stubs evident Flail damage evident Outgrown hedgerow	7	1.4	C (ii)
G3	Hawthorn Crataegus monogyna	4	avg 50	2	SM	F	Branch stubs evident Flail damage evident Outgrown hedgerow	1	0.6	C (ii)
G4	Hawthorn Crataegus monogyna	4	avg 50	2	SM	F	Branch stubs evident Flail damage evident Outgrown hedgerow	1	0.6	C (ii)
G5	Ash Fraxinus excelsior Beech Fagus sylvatica Holly Ilex aquifolium Laural Prunus Laurocerasus Lawson Cypress Chamaecyparis lawsoniana Leyland Cypress Cupressocyparis leylandii	5	upto 130 180 170 150	3	EM	F	Base obscured Branch stubs evident Minor dead wood evident in the crown (<75mm) Situated offsite	46	3.8	B (ii)
G6	Hawthorn Crataegus monogyna	6	est 180	3	EM	F	Branch stubs evident Flail damage evident Outgrown hedgerow	15	2.2	C (i)

Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
G7	Hawthorn Crataegus monogyna	6	est 180	3	EM	F	Branch stubs evident Flail damage evident Outgrown hedgerow	15	2.2	C (i)
G8	Elder Sambucus nigra Hawthorn Crataegus monogyna Privet Ligustrum ovalifolium	6	avg 7x 50	2	SM	F	Outgrown hedgerow	8	1.6	C (ii)
G9	Elder Sambucus nigra English Oak Quercus robur Hawthorn Crataegus monogyna	5	upto 150	2	SM	F	Self set material within wetland Scrappy forms No active management observed	10	1.8	C (i)
G10	Hawthorn Crataegus monogyna	4	avg 50	2	SM	F	Branch stubs evident Flail damage evident Outgrown hedgerow	1	0.6	C (i)