

### Appendix A - Tree Schedule

Measurements	Age Classes	Quality Assessment of BS Category	ULE (relates to BS Category)
<b>Height</b> - Measured using a digital laser clinometer (m)	<b>YNG:</b> Establishing, typically with good vigour and fast growth rates and strong apical dominance; c. less than 1/3 life expectancy	<b>Category U</b> - 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
<b>Stem Dia.</b> - Diameter measured (mm) in accordance with Annex C of the BS5837	<b>SM:</b> Semi-mature trees less than 1/3 life expectancy	<b>Category A</b> - Trees of high quality with an estimated remaining life expectancy of at least 40 years.	40+ years
<b>Crown Radius</b> - Measured using a digital laser clinometer radially from the main stem (m)	<b>EM:</b> Established, typically vigorous and increasing in apical height and lateral spread; 1/3 - 2/3 life expectancy. Offers landscape significance	<b>Category B</b> - Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.	20-40 years
<b>Abbreviations</b>  est - Estimated stem diameter avg - Average stem diameter for multiple stems upto - Maximum stem diameter of a group	<b>M:</b> Fully established over 2/3 life expectancy, generally good vigour and achieving full height potential with crown still spreading	<b>Category C</b> - 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
	<b>OM:</b> 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	
	<b>V:</b> 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.	<b>The BS category particular consideration has been given to the following:</b> <ul style="list-style-type: none"> <li>• The presence of any structural defects in each tree/group and its future life expectancy</li> <li>• The size and form of each tree/group and its suitability within the context of a proposed development</li> <li>• The location of each tree relative to existing site features e.g. its screening value or landscape features</li> <li>• Age class and life expectancy</li> </ul>	

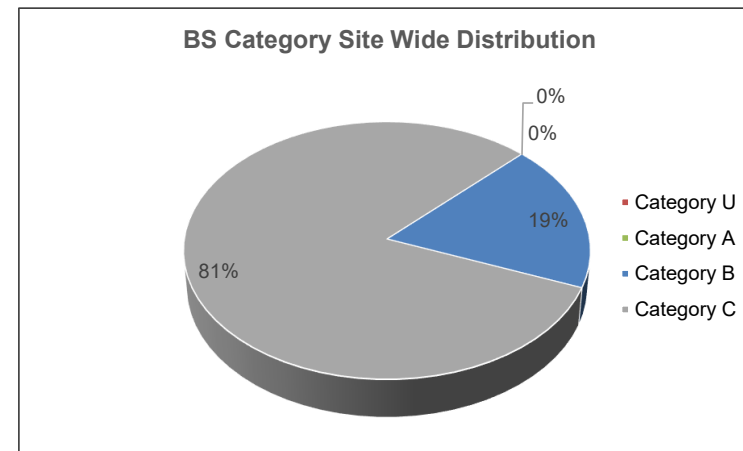
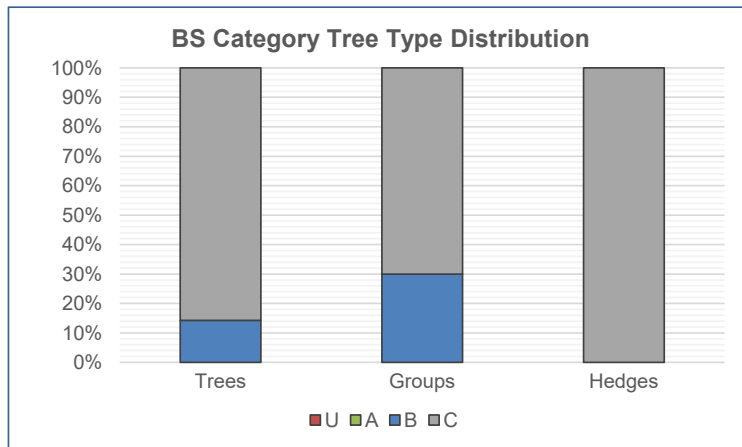
Structural Condition	Physiological Condition	Root Protection Area (RPA)
<b>Good</b> - No significant structural defects	<b>Good</b> - No significant health problems	<ul style="list-style-type: none"> <li>• The RPA Radius column provides the extent of an equivalent circle from the centre of the stem (m).</li> <li>• 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.</li> <li>• Where veteran trees have been identified the RPA has been calculated in accordance with Natural England guidance i.e. 15x the stem diameter, uncapped.</li> </ul>
<b>Fair</b> - Structural defects that can be remediated	<b>Fair</b> - Symptoms of ill-health that can be remediated	
<b>Poor</b> - Significant defects beyond remediation, present a risk of failure in the foreseeable future	<b>Poor</b> - Significant ill-health. Unlikely the tree will recover in the long term	
<b>Dead</b> - Dead tree with structural integrity of tree severely compromised	<b>Advanced Decline / Dead</b> - Advanced state of decline and unlikely to recover or Dead	

**Appendix Summary**

	Individual Trees	Totals	Tree Groups and Hedgerows	Totals
Category U		0		0
Category A		0		0
Category B	T9, T11	2	G1, G3, G8	3
Category C	T1, T2, T3, T4, T5, T6, T7, T8, T10, T12, T13, T14	12	G2, G4, G5, G6, G7, G9, G10, H1, H2, H3	10
	<b>Total</b>	<b>14</b>	<b>Total</b>	<b>13</b>

**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
<b>INDIVIDUAL TREES</b>										
T1	Silver Birch Betula pendula	7	est 80	2	Yng	F	Characteristic for species Self set	3	1.0	C (ii)
T2	Silver Birch Betula pendula	9	est 80 80 80 80	4	EM	F	Characteristic for species Set set along boundary	12	1.9	C (ii)
T3	Hawthorn Crataegus monogyna	7	est 150 150 150	4	M	F	Base obscured Characteristic for species Multi stemmed from base Tree within G1	31	3.1	C (ii)
T4	English Oak Quercus robur	8	est 180	4	EM	F	Base obscured Unable to gain access Within G1	15	2.2	C (ii)
T5	English Oak Quercus robur	6	est 80	2	EM	F	Base obscured Unable to gain access Within G1	3	1.0	C (ii)
T6	Sessile Oak Quercus petraea	8	est 250	4	EM	F	Base obscured Unable to gain access Within G1	28	3.0	C (ii)
T7	Field Maple Acer campestre	8	est 200	4	EM	F	Base obscured Characteristic for species Low crown form Unable to gain access	18	2.4	C (ii)
T8	Goat Willow Salix caprea	10	est 300 300	5	SM	F	Base obscured Multi stemmed from base Unable to gain access	81	5.1	C (ii)

Tree No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
T9	Sessile Oak <i>Quercus petraea</i>	12	Over ivy 360	6	EM	F	Characteristic for species Light ivy cover Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm) Adjacent to ruined wall along footpath edge	59	4.3	B (ii)
T10	Sycamore <i>Acer pseudoplatanus</i>	13	6x 200	7	EM	F	Base obscured Light ivy cover Multi stemmed from base	109	5.9	C (ii)
T11	Field Maple <i>Acer campestre</i>	8	6x 190	6	EM	F	Basal cavity observed Base obscured Broken branches evident Light ivy cover Minor dead wood evident in the crown (<75mm) Multi stemmed from base Potential veteran of the future	98	5.6	B (iii)
T12	Ash <i>Fraxinus excelsior</i>	13	6x 300	6	M	F	Barbed Wire attached to stem/s Bark wounds noted Branch socket cavities observed Broken branches evident Minor dead wood evident in the crown (<75mm) Multi stemmed from base Pruning wounds noted	244	8.8	C (ii)
T13	Ash <i>Fraxinus excelsior</i>	13	350 360 370 180	8	M	F	Barbed Wire attached to stem/s Bark wounds noted Basal suckers present Branch socket cavities observed Broken branches evident Epicormic growth evident within the crown Minor dead wood evident in the crown (<75mm) Multi stemmed from base Fly tipping and waste around tree Ash dieback <i>Hymenoscyphus fraxineus</i>	191	7.8	C (ii)

Tree No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
T14	Goat Willow Salix caprea	10	490	6	EM	F	Low crown form Minor dead wood evident in the crown (<75mm) Close to boundary fence	109	5.9	C (ii)

Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
<b>GROUPS OF TREES</b>										
G1	Blackthorn Prunus spinosa Hawthorn Crataegus monogyna Silver Birch Betula pendula Wild Cherry Prunus avium Grey Poplar Populus x canescens	7	upto 100	3	Yng	G	Base obscured Characteristic for species Narrow linear strip planting forming a visual screen to industrial buildings Recent hard pruning of group on southern side of neighbouring boundary fence.	5	1.2	B (ii)
G2	Ash Fraxinus excelsior Blackthorn Prunus spinosa Field Maple Acer campestre Hawthorn Crataegus monogyna Silver Birch Betula pendula Sessile Oak Quercus petraea	9	upto 200	4	Yng / SM	G	Base obscured Dense undergrowth at the base	18	2.4	C (ii)
G3	Elder Sambucus nigra English Oak Quercus robur Hawthorn Crataegus monogyna Sycamore Acer pseudoplatanus Hazel Corylus avellana Holly Ilex aquifolium Turkey Oak Quercus cerris	7	upto 200	4	Yng / SM / EM / M	D / P / F / G	Base obscured Branch socket cavities observed Branch stubs evident Broken branches evident Characteristic for species Dead trees noted Dense ivy cover on main stem Dense undergrowth at the base Interlocking crowns Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm) Multi stemmed from base Single stem forms Public footpath runs between two stone walls with linear tree growth on either side Broad expanse of self set scrub	18	2.4	B (ii)

Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
G4	Goat Willow Salix caprea Hawthorn Crataegus monogyna Ribbon Gum Eucalyptus viminalis Holly Ilex aquifolium Leyland Cypress Cupressocyparis leylandii	8	250 250	3	EM	F	Ownership undetermined Unable to gain access	57	4.2	C (ii)
G5	Blackthorn Prunus spinosa Goat Willow Salix caprea Hawthorn Crataegus monogyna Grey Poplar Populus x canescens	8	upto 170	4	Yng / EM	F	Characteristic for species Boundary feature providing screening to existing development	13	2.0	C (ii)
G6	Elder Sambucus nigra Hawthorn Crataegus monogyna	10	upto 200	3	SM	F	Base obscured Ownership undetermined Unable to gain access Some trees situated offsite Forms a screen from neighbouring properties	18	2.4	C (ii)
G7	Field Maple Acer campestre Hawthorn Crataegus monogyna Silver Birch Betula pendula Holly Ilex aquifolium	10	est 150	3	Yng / SM	F	Characteristic for species Light ivy cover Overhead cables Pruning wounds noted South east side of private residential driveway	10	1.8	C (ii)

Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
G8	Ash Fraxinus excelsior Elder Sambucus nigra Field Maple Acer campestre Hawthorn Crataegus monogyna Sycamore Acer pseudoplatanus Wild Cherry Prunus avium Holly Ilex aquifolium	14	upto 500	7	Yng / SM / EM / M	F / G	Base obscured Characteristic for species Dead trees noted Interlocking crowns Pruning wounds noted North west side of driveway Oyster mushroom <i>Pleurotus ostreatus</i>	113	6.0	B (ii)
G9	Elder Sambucus nigra Goat Willow Salix caprea Hawthorn Crataegus monogyna Silver Birch Betula pendula Sycamore Acer pseudoplatanus Wild Cherry Prunus avium Apple Malus domestica	6	upto 200	3	Yng / SM / EM / M	F	Base obscured Characteristic for species Dense undergrowth at the base Multi stemmed from base Unable to gain access Roadside group adjacent to Woolley Colliery Road	18	2.4	C (ii)
G10	Blackthorn Prunus spinosa Hawthorn Crataegus monogyna	3	upto 50	1	Yng	F	Sporadic self-seeded group of trees dominated central area of western part of site, newly established with canopies beginning to close.	1	0.6	C (ii)

Hedge No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
<b>HEDGEROWS</b>										
H1	Hawthorn Crataegus monogyna	6	est 100	2	SM	F	Base obscured Gaps present in hedgerow Outgrown hedgerow Unable to gain access Dense bramble scrub preventing full access Backs onto roadside	5	1.2	C (ii)
H2	Laurel Prunus Laurocerasus	3	est 75	2	Yng	F	Maintained hedgerow Situated offsite Runs along boundary fence in neighbouring property recently pruned.	3	0.9	C (ii)
H3	Hawthorn Crataegus monogyna	4	est 75	2	EM	F	Un-maintained hedgerow Along Roadside	3	0.9	C (ii)