



Tree Survey

At

**The Wolf's Castle Public House,
Llanishen,
Cardiff**

*Inspected by:-
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Brief

I have been instructed by Ms. Rebecca Gerrard of Cardiff Council to carry out a survey on trees at The Wolf's Castle Public House, Llanishen, Cardiff.

Scope of Report

This Tree Survey has been undertaken within the recommendations of British Standards 5837:2012 and current good arboricultural practice.

The survey entailed a visual inspection from ground level of all trees.

Each tree has been numbered and, where instructed, have been tagged using small durable metal or plastic tags.

Due to variations of existing ground levels through the site, height dimensions are estimated and are given in metres.

Trunk/stem diameters are measured at 1.5 metres above ground level, or immediately above the root flare for multi-stemmed trees.

Estimated branch spread is taken in metres from the centre of the trunk, at the four cardinal points of a compass, to achieve an accurate representation of crown shape.

An assessment of a tree's age classification is made in terms of its maturity within the site's landscape.

An assessment of a tree's physiological condition is made as good, fair, poor, dead.

Data on the structural condition of the tree has been entered, e.g., collapsing, leaning and the presence of any decay or physical defect has been noted.

Preliminary management recommendations include further investigation of suspected defects that require more detailed assessment or potential for wildlife habitat.

An assessment of a tree's future life expectancy is made as <10, 10-20, 20-40 or >40 etc.

Table 1 – Cascade chart for tree quality assessment

Category and definition	Criteria (including subcategories where appropriate)		
<u>Category U</u> Those 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	<ul style="list-style-type: none"> Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other U category trees (i.e. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning) Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7		
	1 Mainly Arboricultural values	2 Mainly landscape values	3 Mainly cultural values, including conservation
<u>Category A</u> Those of high quality with an estimated remaining life expectancy of at least 40 years	Trees that are particularly good examples of their species, especially if rare or unusual, or essential components of groups, or of formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)	Trees, groups or woodlands of particular visual importance as Arboricultural and/or landscape features	Trees, groups or woodlands of significant conservation; historical, commemorative or other value (e.g. veteran trees or wood-pasture)
<u>Category B</u> Those of moderate quality 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 (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality	Trees with material conservation or other cultural benefits
<u>Category C</u> Those of low quality 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 present in groups or woodlands, but without this conferring on them significantly greater collective landscape value, and/or trees offering low or only temporary/transient landscape benefits	Trees with no material conservation or other cultural value

BRITISH STANDARD BS 5837:2012

Tree No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)	Branch Spread(m)				Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
					N	E	S	W							
T1	Lime (<i>Tilia × europaea</i>)	15	Single	0.36	5	4	7	6	4	Middle aged	Fair to poor	Prominent street tree of reasonable upright habit. Evidence of significant thinning, yellowing and dieback of foliage particularly in upper crown which has led to an accumulation of dead branches.	Prune to remove unstable deadwood of diameter >50mm. Monitor for health.	10-20	C
T2	Lime (<i>Tilia × europaea</i>)	16	Single	0.38	5	5	6	6	4	Middle aged	Fair	Prominent street tree of reasonable upright habit exhibiting some thinning of foliage in upper crown.	Monitor for health.	20-40	B
T3	Midland Hawthorn (<i>Crataegus laevigata</i>)	7	Single	0.30	2	3	3	3	2	Mature	Fair	Ornamental specimen of reasonable form exhibiting commencement of thinning of foliage throughout crown.	Monitor for health.	10-20	C
T4	Lime (<i>Tilia × europaea</i>)	18	Single	0.54	7	8	8	8	3	Mature	Good	Prominent street tree of good form and well-balanced crown. Foliage appears healthy.	No action required at this time.	>40	A
T5	Cherry (<i>Prunus</i> spp.)	7	Single	0.44	5	5	6	4	2	Mature	Fair to poor	Tree of reasonable form exhibiting significant thinning of foliage throughout crown. This specimen appears to be in a declining condition.	Monitor for health.	10-20	C
T6	Lime (<i>Tilia × europaea</i>)	19	Single	0.51	8	7	8	7	3	Mature	Good	Prominent street tree of good form and upright habit. Foliage appears healthy.	No action required at this time.	>40	A
T7	Lime (<i>Tilia × europaea</i>)	18	Single	0.54	7	7	8	7	4	Mature	Good	Prominent street tree of good form and upright habit. Foliage appears healthy.	No action required at this time.	>40	A

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					N	E	S	W							
T8	Lime (<i>Tilia × europaea</i>)	14	Single	0.39	3	4	5	5	4	Middle aged	Fair	Prominent street tree of variable form with crown more heavily developed on southwestern side. Evidence of significant basal cavity on eastern side of main stem which could lead to instability as this specimen matures.	Monitor development of cavity every 2 years.	10-20	C
T9	Lime (<i>Tilia × europaea</i>)	24	Single	0.86	5	6	7	6	2	Mature	Good	Prominent specimen of good form and well-balanced crown. Dense ivy at base prevents full inspection. Foliage appears healthy.	No action required at this time.	>40	A
T10	Lime (<i>Tilia × europaea</i>)	22	Single	0.83	6	5	5	6	3	Mature	Fair	Prominent specimen of good form and well-balanced crown. Dense epicormic shoots at base prevent full inspection. Evidence of significant thinning and dieback in mid and upper crown which has led to accumulation of some deadwood.	Prune to remove unstable deadwood of diameter >50mm. Monitor for health.	20-40	B
T11	Lime (<i>Tilia × europaea</i>)	3	Single	0.1	0	6	1	0	2	Young	Poor	Suckering shoot leaning excessively to the east.	Remove.	<10	U
T12	Lime (<i>Tilia × europaea</i>)	9	Single	0.26	1	8	1	0	3	Middle aged	Poor	Suckering shoot leaning excessively to the east. This specimen is unsuitable for long term retention.	Remove.	<10	U
T13	Elm (<i>Ulmus</i> spp.)	12	Multi	0.55	2	2	5	6	0	Middle aged	Poor	Multi-stemmed specimen severely infected with Dutch Elm Disease. This tree is in a moribund condition.	Remove.	<10	U

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					N	E	S	W							
T14	Lime (<i>Tilia × europaea</i>)	23	Single	0.9	7	9	6	6	2	Mature	Fair	Prominent tree of reasonable form. Dense epicormic shoots at base prevent full inspection and accurate measurement. Evidence of significant thinning and dieback in mid and upper crown which has led to accumulation of deadwood.	Prune to remove unstable deadwood of diameter >50mm. Monitor for health.	20-40	B
T15	Cherry (<i>Prunus</i> spp.)	10	Single	0.44	4	5	5	4	2	Mature	Fair to poor	Tree of variable form exhibiting significant thinning and dieback in upper crown.	Monitor for health.	10-20	C
T16	Birch (<i>Betula pendula</i>)	17	Single	0.34	5	4	3	4	3	Middle aged	Fair to poor	Prominent tree of reasonable form exhibiting thinning and dieback of foliage in upper crown.	Monitor for health.	10-20	C
T17	Cherry (<i>Prunus</i> spp.)	4	Single	0.06	1	1	1	1	2	Young	Good	Newly planted tree of reasonable form and vigour.	No action required at this time.	>40	C
T18	Ornamental Crab Apple (<i>Malus</i> spp.)	9	Single	0.32	6	6	3	5	2	Mature	Fair to poor	Slightly suppressed specimen of declining vigour.	Monitor annually for health.	10-20	C
T19	Sugar Maple (<i>Acer saccharum</i>)	28	Single	1.35	11	11	11	11	4	Mature	Good	Prominent specimen of good form and vigour.	No action required at this time.	>40	A
T20	Ornamental Crab Apple (<i>Malus</i> spp.)	4	Single	0.17	1	2	2	2	2	Middle aged	Fair to poor	Ornamental tree of variable form and low vigour.	Monitor for health.	10-20	C
T21	Ornamental Crab Apple (<i>Malus</i> spp.)	3	Single	0.04	1	1	1	1	2	Young	Fair to poor	Newly planted tree of low vigour.	Monitor for health.	10-20	C
T22	Cherry (<i>Prunus</i> spp.)	4	Single	0.05	1	1	1	1	2	Young	Fair	Newly planted tree of reasonable form and vigour.	No action required at this time.	>40	C

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					N	E	S	W							
T23	Ornamental Crab Apple (<i>Malus</i> spp.)	5	Single	0.14	2	1	1	1	2	Middle aged	Poor	Ornamental specimen of variable form and declining vigour that has suffered historical storm damage in upper crown, which may have led to development of internal decay within main stem and major branches as manifested by fungal fruiting brackets.	Remove.	<10	U
T24	Cherry (<i>Prunus</i> spp.)	10	Single	0.17	1	4	2	2	2	Middle aged	Fair to poor	Ornamental specimen of upright habit that is significantly defoliated, possibly as a result of insect infestation.	Monitor for health.	10-20	C
T25	Lime (<i>Tilia × europaea</i>)	18	Single	0.54	8	8	9	9	4	Mature	Good	Prominent street tree of good form and vigour.	No action required at this time.	>40	A
T26	Ornamental Crab Apple (<i>Malus</i> spp.)	11	Single	0.31	4	5	4	3	3	Mature	Fair to poor	Ornamental specimen of variable form and declining vigour.	Monitor for health.	10-20	C
T27	Beech (<i>Fagus sylvatica</i>)	18	Single	0.74	9	9	9	9	3	Mature	Good	Prominent tree of good form and vigour. Lower pendulous branches potentially obstruct pedestrian movements.	Crown raise to 3m over adjacent footways.	>40	A
T28	Oak (<i>Quercus robur</i>)	19	Single	1.42	9	10	10	9	5	Mature	Good	Prominent specimen of good form and vigour. Vertical line of decay extends from ground level on southwestern side of main stem to approximately 12m in mid crown, possibly associated with historical lightning strike. Some minor fungal decay (<i>Fistulina hepatica</i>) associated with this wound but this is not considered significant.	No action required at this time.	>40	A

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					N	E	S	W							
T29	Midland Hawthorn (<i>Crataegus laevigata</i>)	3	Multi	0.1	1	1	1	1	0	Young	Fair	Ornamental specimen exhibiting dense bushy growth from the root stock.	Remove epicormic shoots from base.	20-40	C
T30	Cherry (<i>Prunus</i> spp.)	5	Single	0.1	1	3	1	1	2	Middle aged	Fair to poor	Ornamental specimen exhibiting significant defoliation throughout crown, possibly associated with insect infestation.	Monitor for health.	10-20	C
T31	Cherry (<i>Prunus</i> spp.)	17	Single	0.45	6	6	6	6	3	Mature	Fair to poor	Prominent ornamental specimen of reasonable form exhibiting extensive defoliation throughout crown, possibly associated with insect infestation. Significant internal decay present on northern side of main stem extending from ground level to 2m.	Monitor for health and stability.	10-20	C
T32	Ornamental Crab Apple (<i>Malus</i> spp.)	8	Single	0.3	5	3	5	4	3	Mature	Fair to poor	Prominent ornamental specimen exhibiting declining vigour as exemplified by thinning foliage throughout crown. Evidence of internal decay extending from ground level to 2m on western side of main stem.	Monitor for health and stability.	10-20	C
T33	Cherry (<i>Prunus</i> spp.)	9	Single	0.13	1	3	2	1	2	Middle aged	Fair to poor	Ornamental specimen exhibiting significant defoliation throughout crown, possibly associated with insect infestation.	Monitor for health.	10-20	C
T34	Lime (<i>Tilia × europaea</i>)	18	Single	0.44	7	7	7	7	4	Middle aged	Fair	Prominent street tree exhibiting some thinning and dieback of foliage in mid and upper crown.	Monitor for health.	20-40	B
T35	Lime (<i>Tilia × europaea</i>)	18	Single	0.45	6	7	7	7	4	Middle aged	Fair	Prominent street tree exhibiting some thinning of foliage throughout mid and upper crown.	Monitor for health.	20-40	B