

# MWA Tree Survey Schedule



Tree No.	Species	Ht. (m)	Stem Dia. (mm)	CS N (m)	CS E (m)	CS S (m)	CS W (m)	Crown Ht. (m)	Age Class	General Observations	ERC (Y)	RPA Radius (m)	BS Cat.
T1	Common ash	17.0	800	6.75	9.50	10.00	9.00	6.0 S	M	Single stem in hedge. Base obscured. Likely former pollard. Multiple stems from ~3m. Cut back from phone lines to N. Lifted over field to E/S and vehicle access to W. No obvious signs of die back but some gaps in crown. Some occluding pruning wounds with small cavities.	20	9.60	B2
T2	English oak	13.0	480*	6.50	8.00	7.50	9.00*	4.5 E	EM	Base obscured by hedge. Single stem to ~4m. Lifted to clear field and vehicle access. Some large dead wood.	20	5.76	B2
T3	English oak	24.0	1370	10.00	8.50	13.00	10.00*	3.5 E	M	Larger diameter tree in TG1. Base mostly obscured by hedge and ivy. Single stem to 3m. Some large dead wood. Canopy appears good for mature oak.	40	15.00	A3
T4	Common ash	15.0	750*	7.00	4.50	6.00	7.00	8.0 E	OM	Single stem in hedge. Large cavities and decay at crown break. Likely significantly reduced potential. Should be assessed by ecologist.	10	9.00	C3
T5	English oak	10.0	350	7.00	6.25	5.50	5.00	3.0 E	OM	Extensive die back and dead wood, missing bark and cavities. Likely in terminal decline but qualifies as veteran.	10	4.20	A3
T6	English oak	14.0	1090	4.50	8.50	9.75	11.00	4.0 W	M	Base partially obscured by hedge. Likely hollow at base. Cavity in old branch removal wound at ~3m to N. Large limb torn out at ~4.5m to N. Some large and heavily decayed dead wood present. Good leaf size and distribution. Qualifies as veteran.	40	13.08	A3
T7	Field maple	10.0	250* x 4	5.50	5.50	5.50	5.50	3.0 S	M	Base of tree in hedge. Lifted over fields to N/S. Visible as individual tree from site boundaries.	10	6.00	C2
T8	English oak	10.0	350, 350, 210	6.00	6.00	6.00	6.00	3.0 S	EM	Two stems from ground becoming 3 by 1.5m. Base obscured by hedge. Lifted over fields to N/S. Visible as individual tree from site boundaries.	10	6.46	C2
T9	English oak	10.0	800*	4.75	6.00	4.00	6.00	3.5 N	OM	Extensive buttressing and burrs at base. Potentially hollow at ground but no openings visible. Lifted over fields. Retrenching with sufficient features to qualify as veteran	20	9.60	A3
T10	Common ash	12.0	675*	6.00	8.75	8.00*	5.50	3.5 S	OM	Base obscured by hedge. Extensive die back and dead wood. Likely of significantly reduced potential.	10	8.10	C3
T11	English oak	17.0	830	10.50	8.00	8.00	8.00	6.0 E	M	Large tree in hedge. Typical for the species in this context. Lifted over field and track. Of long term potential.	40	9.96	A2
T12	English oak	19.0	1020	8.50	10.00	14.00	7.50	6.0 E	M	Large tree in hedge. Typical for the species in this context. Lifted over field and track. Of long term potential.	40	12.24	A2
T13	Common ash	16.0	1100*	7.50	7.50	7.50	7.50	5.0 E	M	On far side of track. Some die back.	20	13.20	B2
T14	English oak	13.0	645	6.25	6.25	6.25	6.25	4.5 E	EM	Large tree in hedge. Typical for the species in this context. Lifted over field and track. Of long term potential.	20	7.74	B2
T15	Common ash	16.0	900*	9.00	7.00	6.00	7.00*	4.5 E	OM	Very flared base suggesting decay but no cavity visible. Several large tear out wounds. Decay in multiple locations. Of significantly reduced potential. Should be assessed by ecologist.	10	10.80	C2
T16	Common ash	11.0	260, 280, 300, 315, 115	7.00	7.00	7.00	7.00*	4.5 E	OM	Multiple stems from old decayed stump.	10	7.09	C2

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T17	English oak	17.0	730	8.00	5.50	8.50	8.00*	5.0 E	M	On far side of track. Structure and canopy typical for the species in this context.	20	8.76	B2
T18	English oak	18.0	615	5.75	6.50	9.50	4.50	4.5 S	EM	In hedge which partially obscures base. Single stem. Suppressed by adjacent trees to north and west.	20	7.38	C2
TG1	English oak, Common ash	13.0	605	9.00	9.00	9.00	9.00*	4.5 E	M	Standard trees in hedge. Bases obscured. Lifted over field and vehicle access. Collectively form landscape feature. Majority worthy of category B as individuals.	40	7.26	A2
TG2	English oak	17.0	900*	12.00	12.00	12.00	12.00	4.5 N	M	Collection of trees next to pond. On far side of track to site. No access due to fences, dense vegetation and bee hives. Forms a landscape feature.	40	10.80	A3
H1	Hawthorn	2.0	35*	0.50	0.50	0.50	0.50	0.0 S	EM	Regularly trimmed field boundary hedge. Dense low level screen. Occasional hazel and some plum. Brambles and ivy prevalent.	10	0.42	B2
H2	Hawthorn, Holly, Blackthorn, Apple, Plum	5.0	175 max	2.00	2.00	2.00	2.00	0.0 E	M	Hedge which is regularly trimmed from field to E and vehicle access to W. Dense low level screen.	20	2.10	B2
H3	Hawthorn, Elder	2.5	75*	1.00	1.00	1.00	1.00	0.0 N	M	Regularly trimmed field boundary hedge. Dense low level screen.	20	0.90	B2
H4	Hawthorn, Alder, Holly	7.0	165*	2.00	2.00	2.00	2.00	0.0 E	M	Regularly trimmed field boundary hedge. Dense low level screen.	20	1.98	B2
H5	Hawthorn, Hazel	2.5	75*	1.00	1.00	1.00	1.00	0.0 N	M	Regularly trimmed field boundary hedge. Dense low level screen.	20	0.90	B2
H6	Hawthorn, Hazel	2.5	75*	1.00	1.00	1.00	1.00	0.0 N	M	Regularly trimmed field boundary hedge. Dense low level screen.	20	0.90	B2

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## Headings and Abbreviations:

<b>No.</b>	Allocated sequential reference number - Tree ('T'), Group ('G'), Woodland ('W') or Hedge ('H') reference number - refer to plan and to numbered tags where applicable
<b>Species:</b>	Common name
<b>Height:</b>	In metres, to half nearest metre – where possible approximately 80% are measured using an electronic clinometer and the remainder estimated against the measured trees. In the case of Groups and Woodlands the measurement listed is that of the highest tree
<b>Stem Diam.:</b>	Stem diameter in millimetres, to nearest 10mm - measured and calculated as per Annex C of BS5837:2012. MS = multi-stemmed, TS = twin-stemmed
<b>Branch Spread:</b>	Crown radius measured (or estimated where considered appropriate) from the four cardinal points (north, east, south and west) to give an accurate visual representation of the crown
<b>Crown Height:</b>	Existing height above ground level, in metres, of first significant branch and direction of growth (e.g. 2.5-N) and of canopy at lowest point – to inform on crown to height ratio, potential for shading, etc.
<b>Age Class:</b>	Estimated age class - Y = young, SM = semi-mature, EM = early-mature, M = mature, PM = post-mature
<b>ERCY:</b>	Estimated Remaining Contribution - in years as per BS5837:2012 (i.e. <10, 10+, 20+, 40+)
<b>BS Cat.:</b>	Category Grading - tree retention value listed as U, A, B or C - in accordance with BS5837:2012 Table 1
<b>RPA Radius (m):</b>	Root Protection Area Radius - in metres measured from the centre of the stem to the line of tree protection
<b>* (Estimated Dimensions):</b>	Where trees are located off-site, or are inaccessible for any other reason, and accurate measurements or other information cannot be taken then the information provided is estimated and is duly suffixed with a "*" symbol
<b>† (Protected Tree)</b>	Where trees are protected by a Tree Preservation Order (TPO) the Tree No. will have a "+" symbol as a suffix.

## List of Common & Scientific Names

Alder	<i>Alnus glutinosa</i>	Hazel	<i>Corylus avellana</i>
Apple	<i>Malus sp.</i>	Holly	<i>Ilex aquifolium</i>
Ash, Common	<i>Fraxinus excelsior</i>	Maple, Field	<i>Acer campestre</i>
Blackthorn	<i>Prunus spinosa</i>	Oak, English	<i>Quercus robur</i>
Hawthorn	<i>Crataegus monogyna</i>	Plum	<i>Prunus sp.</i>

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## Cascade chart for tree quality assessment (BS 5937:2012)

Category and definition	Criteria (including subcategories where appropriate)		
<b>Trees unsuitable for retention (see Note)</b>			
<b>Category U</b> Those in such a condition that they cannot realistically be retained as living trees in the contact of the current land use for longer than 10 years	<ul style="list-style-type: none"> <li>• 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 category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning)</li> <li>• Trees that are dead or are showing signs of significant, immediate and irreversible overall decline</li> <li>• 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</li> </ul> <p><i>NOTE: Category U trees can have existing or potential conservation value which it might be desirable to preserve</i></p>		
<b>Trees to be considered for retention</b>	<b>1 Mainly arboricultural qualities</b>	<b>2 Mainly landscape qualities</b>	<b>3 Mainly cultural values, including conservation</b>
<b>Category A Trees of high quality</b> with an estimated life expectancy 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 (e.g. the dominant and/or principal trees within an avenue)	Trees groups of 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)
<b>Category B Trees of moderate quality</b> 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 value
<b>Category C Trees of low quality</b> 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