Health and Safety Tree Survey for Barlows Lane Allotment site, Andover (November 2023)

Client	**Andover Town Council**	**Arboricultural Consultant**	**Amelia Williams** MICFor, CEnv, MArborA, BSc (Hons), Cert Ed.F.E, Dip Arb L6 (ABC), Cert Arb L4 (ABC)	**Weather at time of survey**	Dry, sunny, light breeze, overcast and cooler later in the day	
Site location	**Barlows Lane Allotments, Andover**	**Site observations**	Access off Barlows Lane entrance to Rooksbury Local Nature Reserve Car Park. Adjacent land owners Test Valley Borough Council with Watermills Park and Rooksbury Local Nature Reserve and private residential gardens. Pedestrian access and vehicular access off Barlows Lane with car parking available within the allotment site. Boundaries are fenced with ivy-clad posts and ivy and bramble around fence lines and these provide wildlife habitat.			
Date of the tree survey	**15.11.2023**	**Designations**	No Tree Preservation Order (TPO) confirmed by TVBC on 06.11.2023 and site not within a Conservation Area (CA)	**Plotted**	Yes on Ezytreev but not tagged	**Next inspection date** **2028**

Full Code	Seq No	Species (Botanical name / Common name)	Ash	Private	Tree Position	Addn. Position	Stems	No. of Trees	Height (m)	Spread (m (d))	Trunk diameter (cm)	Age range	Vigour	Condition	Site features	Tree considerations	Tree management recommendations	Priority for tree work	Failure (THREATS)	Target (THREATS)	Impact (THREATS)	Risk Cat (THREATS)
Hdg/ 001226	**H1**	Hedge - Mixed Species Crataegus monogyna - (1) Fraxinus excelsior - (2) Hedera helix - (30) Taxus baccata - (1)	Yes	**No**	Western boundary	adjacent public footpath	34	34	4	3	20	Middle aged	Normal	Fair	· Fence within falling distance · Footpath within falling distance · Footpath under canopy · Fence under canopy · Shed	· Crown shape distorted due to group pressure · Developing young tree · Ivy or climbing plants - plus bramble and other climbers aling fence line · Ivy covered tree - plus ivy covered fence and fence posts and fallen Elder outside boundary on land owned and managed by Test Valley Borough Council. · Low hanging branches	· Fell saplings - Fell the Ash saplings growing up either side and in the fence as part of fence boundary maintenance within 12 months (x 2 tree) · Hedge pruning maintenance - Annually prune back either side to prevent encroachment and overhang of the allotment and public footpath (x 34 tree)	Routine	Potentially	Low	Fragile objects	Insignificant
Sgl/ 001227	**1**	Fraxinus excelsior (Common Ash)	Yes	**No**	Western boundary	adjacent public footpath	1	1	8	7	35	Young	Low	Fair	· Fence within falling distance · Footpath within falling distance · Footpath under canopy · Fence under canopy	· Ash dieback · Ash stage 1 = 76-100% canopy remaining · Ivy or climbing plants · Ivy covered tree · Unable to fully assess due to restricted access · Unable to fully assess due to ivy	· Monitor (Annually) - for ash dieback · Sever climbing plant - within 12 months to aid with future inspections (Routine)	Routine	Potentially	Medium	Minor damage	Minimal
Sgl/ 001228	**2**	Fraxinus excelsior (Common Ash)	Yes	**Yes**	Private off site tree on Western boundary	adjacent public footpath	1	1	15	13	54	Middle aged	Normal	Good	· Fence within falling distance · Footpath within falling distance · Footpath under canopy · Fence under canopy · Shed	· Ash dieback - Off-site tree owned by Test Valley Borough Council as part of Watermills Park site · Ash stage 1 = 76-100% canopy remaining · Bifurcated (@2.2m agl) · Epicormic growth · Girdling roots · Hanging broken branches · Ivy or climbing plants - severed recently · Ivy covered tree · Major dead wood >50mm · Minor dead wood <50mm · Multiple old pruning wounds · Occluding pruning wounds	· Remove dead wood (>50mm) - **Raise enquiry on Test Valley Borough Council** who are the owner of the Ash tree to deadwood the Ash over the allotment site and sheds for reasons of health and safety within 3 months	Priority	Potentially	Medium	Moderate	Minimal
Sgl/ 001229	**3**	Fraxinus excelsior (Common Ash)	Yes	**No**	Western boundary	adjacent public footpath	1	1	15	10	64	Middle aged	Normal	Good	· Fence within falling distance · Footpath within falling distance · Footpath under canopy · Fence under canopy · Shed	· Ash dieback · Ash stage 1 = 76-100% canopy remaining · Bifurcated · Ivy or climbing plants · Ivy covered tree · Unable to fully assess due to ivy	· Monitor (Annually) - for Ash dieback · Sever climbing plant - within 12 months to aid with future inspections	Routine	Potentially	Medium	Moderate	Minimal
Grp/ 001230	**Grp 1**	Mixed broadleaves Buddleia davidii - (1) Forsythia spp - (1) Ligustrum vulgare - (1) Sambucus nigra - (1)	No	**No**	Northern boundary	in fence	4	4	2.5	2	15	Middle aged	Normal	Fair	· Fence within falling distance · Fence under canopy · Garden · Shed	· Crown shape distorted due to group pressure - growing through fence on northern boundary · Ivy or climbing plants - bramble, honey suckle · Multi stemmed	· Hedge pruning maintenance - Annual shrub maintenance of fence and boundary (x 3 tree)	Routine	None apparent	Low	Fragile objects	Insignificant
Sgl/ 001231	**4**	Sorbus aria (Whitebeam)	No	**Yes**	Private off site tree	adjacent Northern boundary	1	1	6	4	30	Middle aged	Normal	Good	· Fence within falling distance · Fence under canopy · Garden · Shed	· Crown reduced - with minor over hang at height	None required at the time of the tree survey	No action required	None apparent	Low	Fragile objects	Insignificant

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Site location			**Barlows Lane Allotments, Andover**							**Site observations**				Access off Barlows Lane entrance to Rooksbury Local Nature Reserve Car Park. Adjacent land owners Test Valley Borough Council with Watermills Park and Rooksbury Local Nature Reserve and private residential gardens. Pedestrian access and vehicular access off Barlows Lane with car parking available within the allotment site. Boundaries are fenced with ivy-clad posts and ivy and bramble around fence lines and these provide wildlife habitat.							
Date of the tree survey			**15.11.2023**							**Designations**				No Tree Preservation Order (TPO) confirmed by TVBC on 06.11.2023 and site not within a Conservation Area (CA)			**Plotted**	Yes on Ezytreev but not tagged		**Next inspection date**	**2028**
Full Code	**Seq No**	**Species (Botanical name / Common name)**	**Ash**	**Private**	**Tree Position**	**Addn. Position**	**Stems**	**No. of Trees**	**Height (m)**	**Spread (m (d))**	**Trunk diameter (cm)**	**Age range**	**Vigour**	**Condition**	**Site features**	**Tree considerations**	**Tree management recommendations**	**Priority for tree work**	**Failure (THREATS)**	**Target (THREATS)**	**Impact (THREATS)**	**Risk Cat (THREATS)**
Grp/ 001232	**Grp 2**	Mixed broadleaves Acer platanoides - (9) Acer pseudoplatanus - (1) Betula pendula - (1) Crataegus monogyna - (44) Fraxinus excelsior - (2) Hedera helix - (10) Populus nigra "Italica" - (1) Prunus avium - (1) Prunus spinosa - (4) Quercus robur - (4) Sambucus nigra - (5) Sorbus intermedia - (4) Ulmus glabra - (12)	No	**Yes**	Private off site group	owned by Test Valley Borough Council	98	98	15	6	35	Middle aged	Normal	Good	· Building within falling distance · Fence within falling distance · Footpath within falling distance · Footpath under canopy · Fence under canopy · Overhead services · Parked cars · Parking within falling distance · Road sign · Road under canopy · Road within falling distance · Shed · Street lamp · Telephone pole · Wildlife Habitat	· Ash dieback · Crown shape distorted due to group pressure · Dutch Elm Disease · Fallen tree · Imbalanced crown · Ivy or climbing plants · Ivy covered tree · Low hanging branches · Leaning tree · Minor dead wood <50mm · Wildlife habitat	· Prune back overhang from garden - Prune back overhang from the off-site group plus ivy on the fence up to 3 metres above ground level along the entire boundary to reduce encroachment annually as part of boundary maintenance within 6 months as the weight of ivy and overhang impacts on shed roofs. This could be **requested of Test Valley Borough Council** who own the trees but could also be carried out under common law to prune back to the boundary any overhang as long as it was carried out without impacting on the overall health of the trees and shrubs. (x 15 tree)	Priority	Potentially	Medium	Moderate	Minimal
Sgl/ 001233	**5**	Prunus spinosa (Blackthorn)	No	**Yes**	Private off site tree	Owned by Test Valley Borough Council	1	1	2.5	4	10	Middle aged	Low	Poor	· Fence within falling distance · Fence under canopy · Shed	· Crown shape distorted due to group pressure · Ivy or climbing plants · Ivy covered tree · Leaning tree	· Prune back or clear from building - **Raise with Test Valley Borough Council** to prune back collapsed ivy-clad Blackthorn over shed in the top North East corner within 3 months for reasons of health and safety	Priority	Likely	Medium	Minor damage	Slight
Grp/ 001234	**Grp 3**	Mixed broadleaves Acer platanoides - (4) Fraxinus excelsior - (1)	No	**Yes**	Private off site trees	Eastern boundary	5	5	6	3	20	Young	Normal	Fair	· Fence within falling distance · Fence under canopy · Shed - Poly tunnel	· Ash dieback · Ash stage 1 = 76-100% canopy remaining · Crown shape distorted due to group pressure - growing through the fence. Off-site group owned by Test Valley Borough Council. · Ivy or climbing plants · Ivy covered tree	· Fell Broadleaves - **Request Test Valley Borough Council** to fell 4 saplings and 1 small Norway maple plus 1 Ash sapling growing through the boundary fence to the North East corner within 3 months for reasons of health and safety and boundary management as the trees will damage the fence as they grow. (x 5 tree)	Priority	Potentially	Low	Fragile objects	Insignificant
Sgl/ 001235	**6**	Crataegus monogyna (Hawthorn)	No	**Yes**	Private off site tree	Owned by Test Valley Borough Council	2	1	3	4	15	Middle aged	Low	Poor	· Fence within falling distance · Fence under canopy · Shed	· Crown shape distorted due to group pressure · Ivy or climbing plants · Ivy covered tree · Leaning tree - Two off site trees one fallen into the over leaning over the boundary and shed roof	· Prune back or clear from building - **Raise with Test Valley Borough Council** to prune back collapsed ivy clad Hawthorns from over shed within 3 months for reasons of health and safety	Priority	Likely	Medium	Minor damage	Slight
Sgl/ 001236	**7**	Crataegus monogyna (Hawthorn)	No	**Yes**	Private off site tree	Owned by Test Valley Borough Council	1	1	4	4	15	Middle aged	Normal	Fair	· Fence within falling distance · Fence under canopy · Shed	· Bifurcated · Crown shape distorted due to group pressure · Ivy or climbing plants · Leaning tree - leaning over leaning over the boundary and shed roof	· Prune back or clear from building - **Raise with Test Valley Borough Council** to prune back Hawthorn from over shed within 3 months for reasons of health and safety	Priority	Likely	Medium	Minor damage	Slight
Sgl/ 001237	**8**	Crataegus monogyna (Hawthorn)	No	**Yes**	Private off site tree	Owned by Test Valley Borough Council	1	1	5	5	17	Middle aged	Normal	Fair	· Fence within falling distance · Fence under canopy · Shed	· Crown shape distorted due to group pressure · Ivy or climbing plants · Leaning tree - leaning over and leaning over the boundary and shed roof · Multi stemmed	· Prune back or clear from building - **Raise with Test Valley Borough Council** to prune back Hawthorn from over shed within 3 months for reasons of health and safety	Priority	Likely	Medium	Minor damage	Slight
Sgl/ 001238	**9**	Fraxinus excelsior (Common Ash)	Yes	**No**	Eastern boundary	shed underneath canopy	1	1	12	14	37	Young	Normal	Good	· Fence within falling distance · Fence under canopy · Shed - x2	· Ash dieback · Ash stage 1 = 76-100% canopy remaining · Branch stubs present · Crown lifted · Ivy or climbing plants	· Monitor (Annually) - for ash dieback · Sever climbing plant - within 12 months to aid with future inspections	Routine	Potentially	Low	Minor damage	Insignificant

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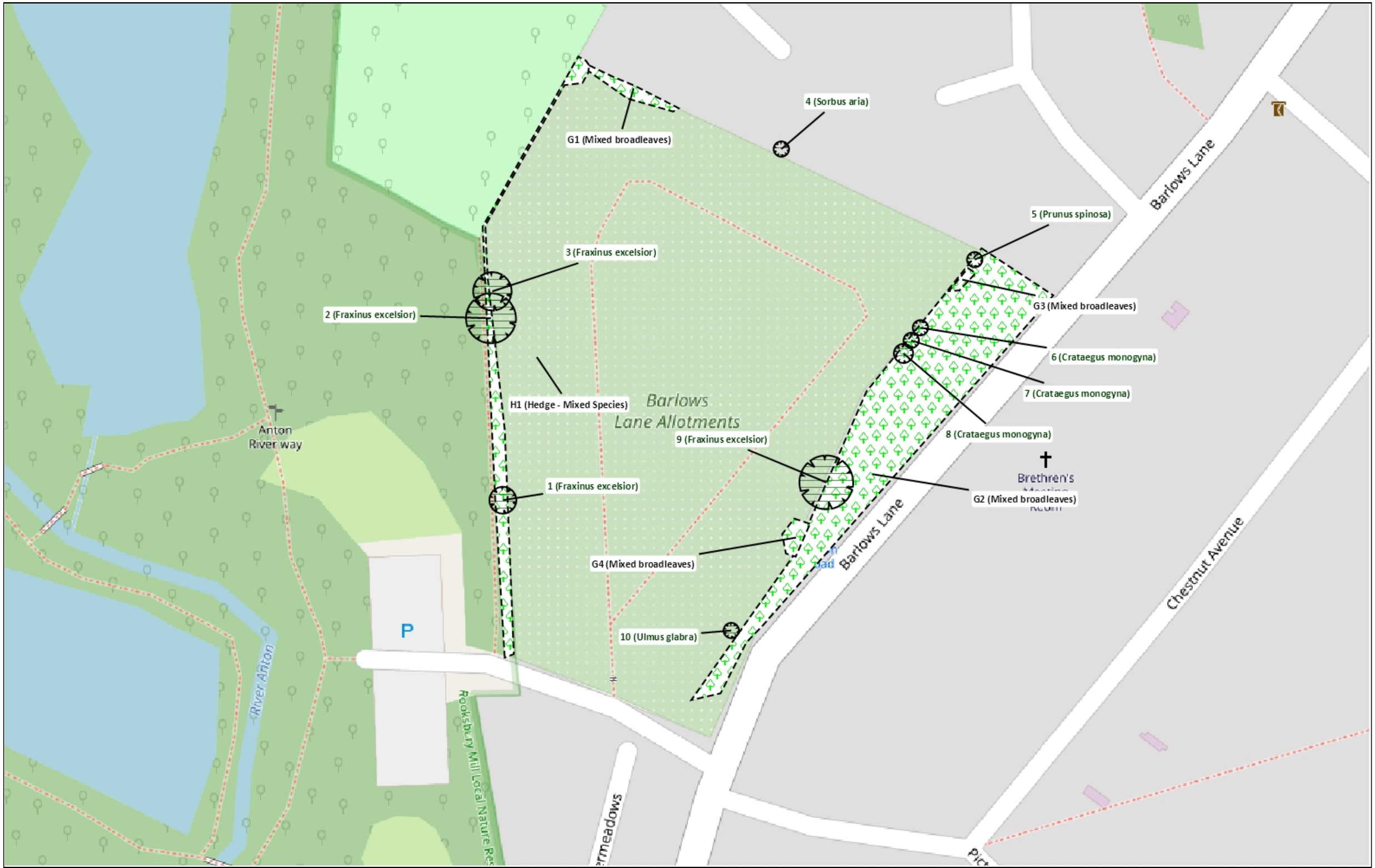
Grp/ 001239	**Grp 4**	Mixed broadleaves	No	**No**	Eastern boundary		3	3	3	2	10	Middle aged	Normal	Fair	· Fence within falling distance · Fence under canopy · Shed - x2	· Crown shape distorted due to group pressure · Ivy or climbing plants - ivy and bramble encroachment into site · Ivy covered tree · Low hanging branches · Wildlife habitat	· Hedge pruning maintenance - Manage this area of ivy and bramble within 12 months (x 3 tree)	Routine	Potentially	Low	Fragile objects	Insignificant
Sgl/ 001240	**10**	Ulmus glabra (Wych Elm)	No	**No**	Eastern boundary	between sheds	3	1	6	4	15	Young	Normal	Good	· Fence within falling distance · Fence under canopy · Shed - x2	· Dutch Elm Disease - potential · Developing young tree · Trifurcated	· Monitor (Annually) - for Dutch Elm disease	Routine	Potentially	Low	Minor damage	Insignificant



Barlows Lane Allotment Tree Survey Plan

Scale	1: 500
Date	15/11/2023

Tree survey general guidance notes

Tree survey notes and guidance

The tree survey is a brief assessment of the trees at the time of the inspection from ground level for health and safety and to provide guidance on the short and long-term management of the tree stock within the site. It is not intended to be a guarantee of tree safety in any form, as trees are living changing dynamic organisms. Estimates for dimensions were used where access was restricted. General descriptive details were noted about trees including tree work recommendations. All the data gathered is recorded on a tablet using Ezytreev tree management software.

Full code

Each tree, group, hedge or woodland surveyed will be assigned a **reference number** which will relate to its location on a tree survey plan e.g. trees are a numerical number, groups have **G** at the start, shrubs have an **S**, and hedges have **H**.

Sequence number

This is a user-defined sequence number applied to the tree survey order.

Species

Tree species will be in both a **common name** and a **botanical Latin** name.

Group species

Where groups or hedges are recorded with more than one species present, a count if possible will be carried out and associated with each tree and shrub species present.

Tree position and additional position

This is the reference location for where the tree is located within a site with additional information on the exact location. The locations of the trees are also plotted against the mapping system on Ezytreev.

Height

The dimensions are taken using a clinometer or where this is not possible they will be estimated and are given in **metres**.

Canopy Spread
This is taken in **metres** as a diameter across the width of the whole canopy or calculated from the cardinal points based on pacing the distance on the ground.

Trunk
Trunk/stem diameters are measured in **cm** at 1.5 metres above ground level for single-stemmed trees, or immediately above the root flare for multi-stemmed trees, using a specialist tape for converting the girth to a diameter measurement. Where access to the stem is not feasible an estimate will be made.

No. of stems
The number of stems for a tree is recorded and also this relates to the number of trees or stems in a group, hedge or woodland.

Notes
Are general features of the site or tree not recorded in a specific field.

Age
An assessment of a tree's age classification is made in terms of its maturity within the site's landscape and recorded thus: **Sapling / Young / Middle Aged / Mature / Over Mature / Veteran.**

Vigour
Is an assessment of the annual growth of the tree and the categories are low, normal, and strong.

Condition
An assessment of a tree's overall **condition** is to be made as **Good, Fair, Poor, or Dead.**

Good	Generally in healthy condition and no structural defects observed
Fair	Condition satisfactory with minor structural defects that could be remediated with pruning or tree shows adaptation
Poor	Tree in decline, of poor structural form or of low health
Dead	Not alive

Live crown
Based on a percentage of remaining live crown 100-75% is healthy, 75-50%, 50-25%, 25-0%.

Status
Relates to the historical age-based assessment of trees and the criteria are Ancient, Veteran, Notable, Heritage or Champion.

Site features
These are a description of the location of where the tree, group or hedge is situated.

Tree conditions
Tree attributes and observations are key descriptions of the tree, group or woodland including defects, problems and previous tree works.

Recommendations
Preliminary tree management recommendations are recommended based on the assessment of the tree and will have a **time scale** for when the works should be carried out or within a time period.

Statutory designations
Prior to proceeding with any of the recommendations made within the tree survey, it is essential to carry out a check to see if any statutory designations apply. If the trees are within a Conservation Area or the subject of a Tree Preservation Order, the permission of the Local Authority will be required prior to carrying out any tree works. Furthermore, if the works exceed 5 cubic metres in timber volume within one calendar quarter this may require a felling licence. In addition, it is important to note key ecological and wildlife considerations for example the potential for trees to be bat roots, or the nesting bird season and wildlife habit and only carry out works in the appropriate season unless the works are urgent.

Priority
Timescale for carrying out any recommended works.

Works due date
Date recommended works are due to be carried out by or within.

Risk assessment

The basis of the risk assessment is THREATS - Tree Hazard Risk Evaluation and Treatment System developed by Julian Forbes-Laird.

Failure score

Consideration of identified defects in relation to species/clone history, established failure criteria & time of year based on likelihood of failure rating of **None apparent (0)/Potentially with time (0.8) / Likely, foreseeable (2) / Probable, Soon (8) / Imminent, Immediate (50).**

Target score

Consideration of impact radius identified defect against potential targets. Consideration of forward visibility available to drivers (Poor Forward Visibility / Good Forward Visibility) and whether vehicles are likely to be stationary e.g. at junctions.
If targets liable to include unsupervised children &/or the elderly or infirm, upgrade the target category by one category. For railway targets use THREATS NR. Target score based on **None (0) / Very low (7) / Low (15) / Medium (20) / High (25) / Very High (40).**

Impact score

Consideration of height of fall/momentum & whether e.g. lower branches would impeded agent's descent based on degree of harm and consequence. Scores are outlined below.

1 = Fragile objects destroyed, superficial or recoverable injury to pedestrians
4 = Minor damage, probable disabling, hospitalising injury to pedestrians
6= Moderate structural severe vehicle damage, fatal disabling injuries likely
10 = Severe structural damage, vehicle crushed, passenger fatalities very probable.

Risk evaluation

This is the total score from the **Failure score X Target score X Impact score** which then is put against one of the following score ranges 0-49 / 50-159 / 160-329 / 330 - 999 / 1000-2000 / 2001 - 3999 / 4000+

Risk / Threat category

This is based on where the score sits within the score ranges

0-49 = **1 - Insignificant** (Re-inspect within 5 years if general public access or 3 years if child specific access & TS>20)
50-159 = **2-Minimal** (Reinspect within 3 years if public access, schedule work as required)
160-329 = **3 - Slight** (Reinspect annually / after storms (Force 10+), expect to schedule work within 2 years)
330 - 999 = **4-Moderate** (Reinspect within 13 weeks, reinspect after SWE meantime (inc glad to Force 7+)

1000-2000 = **5 - Significant** (Arrange for work to be completed within four weeks maximum)
2001 - 3999 = **6-Serious** (Close site if practical; arrange for work to be completed within 7 days)
4000+ = **7 - Extreme** (Evacuate/prevent access to site, emergency call out of contractors).

Timescale

Inspection frequency is based on the outcome of risk and recommendations ie within a set time period of months, annually, 3 years and up to 5 years.

Works already completed

Where works recommended have been completed whilst on site.

Next inspection date

The date for the next inspection is scheduled per tree based on the assessment of requirements and risk factors.

Photographs

A photo where possible will be taken of each tree at the time of the tree survey or site visit including any additional photographs of specific defects.

Ivy as a tree survey limitation on site

Where ivy is present it is not possible at the time of the survey to fully assess the condition of the stem or stems and when ivy covers the tree the same applies. A follow-up re-inspection would be recommended following the severance or removal of ivy to enable a further assessment.

Contact details

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