

TREES AT STOREY'S LODGE, HOLMES LANE, HANBURY, WORCESTERSHIRE

Baseline Arboricultural Survey

Report to Fisher German

Project number 2023/060 A

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QUALITY ASSURANCE

Title Trees at Storey's Lodge, Holmes Lane, Hanbury, Worcestershire - Baseline Arboricultural survey Submitted to: Fisher German Report number: 2023/060 A Date: 4th August 2023

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1. Brief

In July 2023 Worcestershire Wildlife Consultancy, was instructed by Ms r Rebecca Bakewell of Fisher German, on behalf of their client, to assess the suitability for retention of trees by Storey's Lodge, Holmes Lane, Hanbury, Worcestershire, in accordance with BS5837:2012.

2. Scope of the Report and Constraints

The tree survey follows the methodology set out in accordance with British Standard 5837: 2012, Trees in Relation to Design, Demolition and Construction – Recommendations, (**BS 5837**).

All observations were made from ground level and from within the boundaries of the site. Each tree surveyed was inspected visually from ground level. Several trees outside the site, but that could be affected by development, were included in the survey.

3. Limitations

Validity, accuracy and findings of the report will directly relate to the accuracy of information provided at the time of the survey as well as accessibility within/around the site.

The survey is **not** an assessment of the condition of any tree referred to in it and cannot be relied upon as an assessment of the health and safety of any tree within or adjacent to the site. Any observations are visual and only consider obvious and general tree management in respect of the potential future development of the site. Detailed investigations were not carried out and no tree was climbed.

The tree survey is valid for a period of twelve months from the date of the site visit.

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4. Status of the trees

Worcestershire Wildlife Consultancy has no information in respect of the status of the trees referred to in this report.

Before carrying out any works that might affect the trees please contact the Local Authority and obtain any necessary consents in writing.

5. Site visit

Joshua Evans of Worcestershire Wildlife Consultancy visited site on 19th July 2023.

6. Protected wildlife and habitats

The Wildlife and Countryside Act 1981, Part 1, affords protection to a variety of plants, animals and birds. Before carrying out any works recommended in this report please ensure the works do not contravene the Act.

7. Felling licences

Section 9 of the Forestry Act 1967 requires that a Felling Licence is required for the felling of up to 5 cubic metres of timber in any one calendar quarter. Trees in orchards, gardens, churchyards and open spaces are exempt. There are also other exemptions. Please ensure any felling works do not require a Felling Licence.

8. Location of the site

Storey's Lodge and its grounds (approximately 1,520m²) is located on the southern side of Vicarage Farm, Holmes Lane, Hanbury, Worcestershire (NGR SO 9658 6572). See map below.



Storey's Lodge, Holmes Lane, Hanbury, Worcestershire

Tree Survey - Site Location

2023/060 A NGR SO96586572 Scale 1:5,000



Google aerial map reprinted with permissionGoogle © 2023. www.worcestershirewildlifeconsultancy.org Tel: 01905 754909

9. Description of the site

Storey's Lodge is a static home, situated by a working farm. The trees and shrubs are situated in a well-maintained garden and most of the trees have been planted by the residents. There is amenity lawn, fencing and dry ditch on the western flank of the site.



Plate 1: General view – northern view



Plate 2: General view – central view

10. Tree Survey

Please find below as Table 1 a summary of the suitability for retention of the surveyed trees and groups.

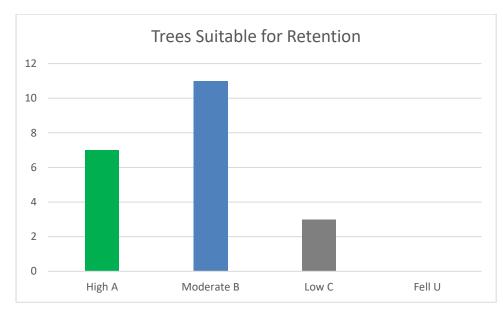


Table 1Summary of tree/woodland/group/hedge suitability for retention.

Please find as Appendix 2 the Tree Survey Plan with the trees identified. The tree numbers have been coloured according to our assessment of their suitability for retention. The positions of a number of trees are shown indicatively.

Please find as Appendix 3 the Tree Survey Schedule in the form of three sheets with details of the 3 individual trees, and 1 group surveyed.

The scheme for the site is not known but the most significant off site trees, in terms of their maturity and ecological value, are TO4 (pedunculate oak) and T12 (Crack willow) which are both old and have value for bats; their root protection areas must be adhered to.



Plate 3: View of the oak (T01)

Plate 4: View of the willow (T12)

Appendix 1: Tree Survey Plan



Tree	Species	Height	Trunk	B	Branc	h		Crown	Age	Physiol.	Structural	General	Preliminary	Est.	BS5837	Root	Root
No.		Ŭ	diam.	s	prea	d		Clear.	Class	Condition	Condition	Observations	Work	Contrib.	Category	Protection	Protection
			at 1.5 m	N	- C	Е	w						Required	(years)	Grading	Radius	Area (m ²)
1	wild cherry	2	50 #	2	1	1	1	1	Young	Moderate to poor	Moderate	Moderate decay present Canker developing	Prune dead branches	<10	Low C	0.60 -	1
2	Norway maple	6.5	170 #	3	2	3	2	1.25	Young	Fair	Good	Healthy specimen	No work required.	40+	High A	2.04	13
3	Lawson cypress	5	130 #	1	1	1	1	0.25	Young	Fair	Good	No obvious defects	No work required.	50+	High A	1.56	8
4	Pedunculate oak	30	5100 #	1	3	1	1	3	Early Middle Aged	Fair	Good	On site boundary Decay to the trunk. Hollow. Slight dieback.	No immediate work required	10+	Moderate B	61.20	11,768
5	Midland Hawthorn (Paul's Scarlet	4	130 #	1	1	2	1	1.75	Young	Fair	Low to moderate	Multi-stemmed	Prune top branches	<5	Low C	1.56	8
6	Flamingo tree (Salix integra)	4.5	800 #	1	1	1	1	0.75	Young	Good	Good	No obvious defects	No work required.	25+	High A	9.60 -	290
7	Plum	9.5	330 #	3	2	1	1	2	Mature	Good	Moderate	No signifcant defects	No work required.	30+	Moderate B	3.96 -	49
8	Silver birch	10	250 #	2	9	8	7	1.5	Semi- Mature	Fair	Fair	No obvious defects	No work required.	>30	Moderate B	3.00	- 28

Appendix 2: Tree Survey Schedule BS5837

Estimated

Tree	Species	Height	Trunk	E	Branc	h		Crown	Age	Physiol.	Structural	General	Preliminary	Est.	BS5837	Root	Root
No.			diam.		Sprea	d		Clear.	Class	Condition	Condition	Observations	Work	Contrib.	Category	Protection	Protection
			at 1.5 m	N	s	Е	w						Required	(years)	Grading	Radius	Area (m ²)
9	Norway Sprucu	10	240 #	2	2	2	2	1.3	mature	Good	Good	No obvious defects	No work required.	40+	High A	2.88	26
10	False Acacia	3	190 #	1	1	1	1	0.5	young	Fair	Good	No obvious defects	No work required.	30+	High A	2.28	16 -
11	Juniper	7	110 #	2	2	2	2	0.25	Young	96+3	Fair	No obvious defects	No Immediate works but needs to be felled within 2 ye	<10 ars	High A	1.32	5
12	Crack Willow	30	180 #	9	2	6	8	4.5	Mature	Moderate	Fair	moderate Ash dieback present, <5%	Re-pollard at some point in the 2 years	<10	Moderate B	2.16	15
13	Ash	30	955 #	2	4	6	2	6	Mature	Fair	Moderate	No obvious defects Ash dieback present, <5%	No Immediate works but needs to be observed	30+	Moderate B	11.46	413
14	White Willow	30	120 #	7	6	5	6	2.5	Mature	Fair	Moderate	No obvious defects	No	20+	Moderate B	1.44	7
15	Common Hawthorn	5.5	11 #	1	1	1	1	0.25	Young	Good	Good	No significant visible defects.	No work required.	50+	Moderate B	0.13 -	0
16	Laburnum	28	41	2	6	9	11	4	Mature	Fair	Moderate	No significant visible defects.		<10	Moderate B	0.49 -	1

Tree		Height	Trunk	P	Iranc	h		Crown	Age	Physiol.	Structural	General	Preliminary	Est.	BS5837	Root	Root
	opecies	rieigin							-								
No.			diam.	s	prea	d		Clear.	Class	Condition	Condition	Observations	Work	Contrib.	Category	Protection	
			at 1.5 m	N	S	Е	W						Required	(years)	Grading	Radius	Area (m ²)
17	Monkey	7	175	2	2	2	2	1.5	Young	Good	Good	No significant visible defects.	No work required.	50+	High	2.10	14
	Puzzle		#									healthy.			Α		
												-				-	-
18	Pear	8	160	1	1	1	1	0.25	semi-	Fair	Moderate		No work required.	25+	Moderate	1.92	12
			#						mature						в		
																-	-
H01	Leyland	10	800	2	2	3	3	1	Over	Fair	Moderate	Group of hedgeing plants	Maintain height	20+	Low	9.60	290
	Cypress		#						Mature				_		С		
																	-
G01	Mixed shrubs	5	150	1	1	1	1	0	Mature	Good	Good	No signifcant defects	No work required.	20+	Moderate	1.80	10
	e.g. black elder	-	#	· .		1		2							В		
l ì	cypress																
	Photinia																

Appendix 3: British Standard

BRITISH STANDARD

BS 5837:2012

4.4.2.5 A schedule to the survey should list all the trees or groups of trees. The following information should be recorded (see **4.4.2.6** for measurement conventions):

- a) sequential reference number (to be recorded on the tree survey plan);
- b) species listed by common name, with a key provided to scientific names;
- c) height;
- d) stem diameter, measured in accordance with Annex C;
- branch spread, taken as a minimum at the four cardinal points, to derive an accurate representation of the crown (to be plotted on the tree survey plan);
- f) existing height above ground level of:
 - 1) first significant branch and direction of growth (e.g. 2.4-N);
 - 2) canopy,
 - to inform on ground clearance, crown/stem ratio and shading;
- g) life stage (e.g. young, semi-mature, early mature, mature, over-mature);
- general observations, particularly of structural and/or physiological condition (e.g. the presence of any decay and physical defect), and/or preliminary management recommendations;
- i) estimated remaining contribution, in years (<10, 10+, 20+, 40+);
- j) category U or A to C grading (see **4.5** and Tables 1 and 2), to be recorded on the tree survey plan.

NOTE 1 It is not always practical or necessary to record branch spread for every tree within a group or woodland.

NOTE 2 In some cases, layout design might be aided by the arboriculturist providing data on future tree height and crown spread.

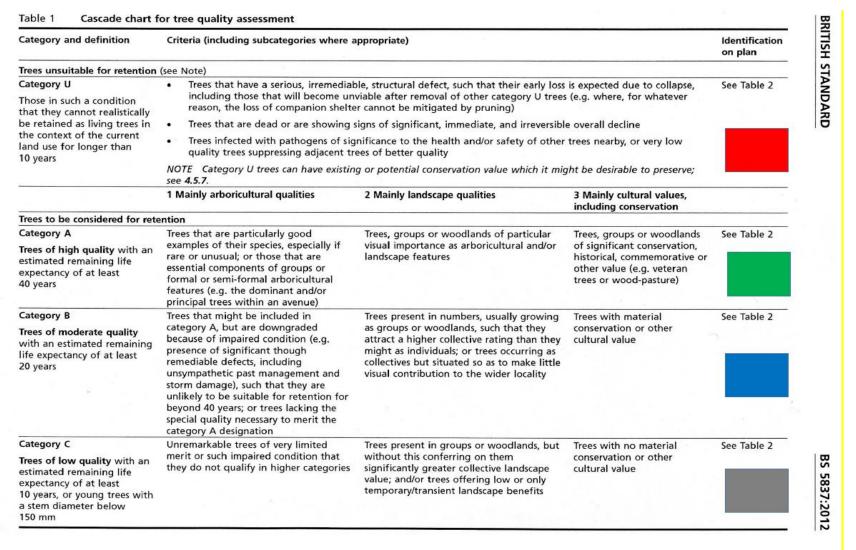
4.4.2.6 The measurement conventions should be as follows.

- a) height, crown spread and crown clearance should be recorded to the nearest half metre (crown spread should be rounded up) for dimensions up to 10 m and the nearest whole metre for dimensions over 10 m;
- b) stem diameter should be recorded in millimetres, rounded to the nearest 10 mm (0.01 m);
- estimated dimensions (e.g. for off-site or otherwise inaccessible trees where accurate data cannot be recovered) should be clearly identified as such (e.g. suffixed with a "#").

4.4.2.7 Relevant details of shrub masses, hedges, hedgerows and stumps are expected to have been recorded during the topographical survey (see **4.2**), but should be checked by the arboriculturist for inclusion in the tree survey. In the case of regularly maintained domestic hedges and the majority of shrub masses, it will normally be sufficient to record their height and species on the tree survey plan or note these in the schedule.

4.4.2.8 Hedgerows and substantial internal or boundary hedges (including evergreen screens) should be recorded in a similar fashion to groups, with the lateral spread and average (or maximum and minimum) height and stem diameter ranges recorded, to allow the potential constraints associated with the features to be fully assessed. All woody species present should be recorded. Where woody plants are present within a hedgerow that are significantly different in character from the remainder of it, these should be identified and recorded separately, especially where they comprise distinct trees.

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	Commo	Tree n and Botanical Names			
Common Name	Botanical Name	Common Name	Botanical Name		
Alder, Common	Alnus glutinosa	Elm, English	Ulmus procera		
Alder, Grey	Alnus incana	Elm, Wych	Ulmus glabra		
Alder, Italian	Alnus cordata	False Acacia	Robinia pseudoacacia		
Apple, Crab	Malus sylvestris	Fir, Common Silver	Abies alba		
Ash, Common	Fraxinus excelsior	Fir, Douglas	Pseudotsuga menziesii		
Ash, Caucasian	Fraxinus oxycarpa	Fir, Grand	Abies grandis		
Aspen	Populus tremula	Gum, Sweet	Liquidamaber styraciflua		
Beech, Antartic	Nothofagus antarctica	Gum, Cider	Eucalyptus gunnii		
Beech, Common	Fagus sylvatica	Hawthorn	Crataegus monogyna		
Beech, Copper	Fagus sylvatica 'Purpurea'	Hazel	Corylus avellana		
Beech, Cut Leaf	Fagus sylvatica 'Heterophylla'	Hazel, Turkish	Corylus colurna		
Birch, Ornamental	Betula sp.	Hemlock, Western	Tsuga heterophylla		
Birch, Silver	Betula Pendula	Holly, Common	Ilex acquifolium		
Birch, River	Betula nigra	Honey Locust	Gleditsia triacanthos		
Box Elder	Acer negundo	Hornbeam	Carpinus betulus		
Cedar, Atlas	Cedrus atlantica	Hornbeam, Fastigiate	Carpinus betulus 'Fastigiata'		
Cedar, Doedar	Cedrus deodora	Indian Bean Tree			
Cedar, Lebanon	Cedrus libani	Juniper, Common	Juniperus communis		
Cedar, Western Red	Thuja plicata	Juniper, Chinese	Juniperus chinensis		
Cedar, Japanese Red	Cryptomeria japonica	Laburnum	Laburnum anagyroides		
Cherry, Bird	Prunus padus	Larch, European	Larix decidua		
Cherry, Ornamental	Prunus sp.	Lime, Common	Tilia x europaea		
Cherry, Wild	Prunus avium	Maple, Norway	Acer platanoides		
Chestnut, Sweet	Castanea sativa	Maple, Cappadocian	Acer cappadocicum		
Chestnut, Horse	Aesculus hippocastanum	Maple, Field	Acer campestre		
Chestnut, Red Horse	Aesculus x carnea	Maple, Paper-Bark	Acer grisseum		
Cypress, Swamp	Taxodium distichum	Maple, Silver	Acer saccharinum		
Cypress, Lawson	Chamaecyparis lawsoniana	Monkey Puzzle	Araucaria araucana		
Cypress, Leylandii	X Cupressocyparis leylandii	Mulberry, Common	Morus nigra		
Cypress, Nootka	Chamaecyparis nootkansensis	Oak, English	Quercus robur		
Cypress, Monterey	Cupressus macrocarpa	Oak, Fastigiate English	Quercus robur 'Fastigiata'		

Appendix 4: Tree common and scientific names

Tree Common and Botanical Names										
Common Name	Botanical Name	Common Name	Botanical Name							
Oak, Holm	Quercus ilex	Whitebeam, Swedish	Sorbus intermedia							
Oak, Red	Quercus rubra	Willow, Crack	Salix fragilis							
Oak, Scarlet	Quercus coccinea	Willow, Goat	Salix caprea							
Oak, Sessile	Quercus petraea	Willow, White	Salix alba							
Oak, Turkey	Quercus cerris	Yew, Common	Taxus baccata							
Pear	Pyrus sp.	Yew, Irish	Taxus baccata 'Fastigiata'							
Pear, Willow leafed	Pyrus salicifolia									
Pine, Scots	Pinus sylvestris									
Pine, Corsican	Pinus nigra var. maritima									
Plane, London	Platanus x hispanica									
Plane, Oriental	Platanus orientalis									
Plum	Prunus sp.									
Poplar, Black	Populus nigra									
Poplar, Grey	Populus canescens									
Poplar, Hybrid Black	Populus x euramericana									
Poplar, Lombardy	Populus nigra var. 'Italica'									
Poplar, Western Balsam	Populus trichocarpa									
Poplar, White	Populus alba									
Redwood, Coast	Sequoia sempervirons									
Redwod, Dawn	Metasequoia glyptostroiboides									
Rowan	Sorbus aucuparia									
Snowy Mespil	Amelanchier lamarckii									
Spruce, Norway	Picea abies									
Spruce, Sitka	Picea sitchensis									
Sycamore	Acer pseudoplatanus									
Free of Heaven	Ailanthus altissima									
Thorn, Cockspur	Crategus crus-galli									
Tulip Tree	Liriodendron tulipifera									
Walnut, Common	Juglans regia									
Wellingtonia	Sequoiadendron giganteum									
Whitebeam	Sorbus aria									

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Appendix 5: Ecological Experience

Joshua Evans BSc (Hons) MCIEEM – Consultancy Manager & Principal Ecologist

Joshua joined the team in 2008, previously working as an independent consultant, prior to that he worked for the National Trust and Forestry Commission as an ecological surveyor. For the last 26 years he has worked in both the conservation and consultancy sector. Many of these years were in woodland conservation and management. He is an experienced ecologist with particular expertise in terrestrial and aquatic invertebrates, amphibians, reptiles, small mammals, riparian mammals and bats and holds Natural England (NE) and Natural Resources Wales licences for bats, dormice, great crested newts, white-clawed crayfish and barn owls. He is also an experienced botanist with National Vegetation Classification skills, the recent UK Habitat Classification System and an experienced bryologist. In addition, he has experience in biodiversity net gains and offsetting and being involved in range of conservation and developmental management plans including heritage projects and habitat restoration. As for arboricultural experience, Joshua worked for the Forestry Commission, National Trust and as an independent consultant for 7 years, undertaken mensuration assessment and tree health reports, especially in the context of public safety and the evaluation of timber within woodland compartments; coupled with the above ecological experience, he has good interpretation skills of combining the two disciplines.

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Worcestershire Wildlife Consultancy provides an independent professional ecological service, encompassing a broad range of ecological knowledge and skills. While maintaining a local focus within the Midlands, we also operate throughout the UK.

We offer a competitive pragmatic solution based environmental service to the business and development sector, local authorities, public utilities, Natural England and non-governmental organizations (NGOs), as well as individual clients.

Worcestershire Wildlife Consultancy (WWC) has been the consultancy for Worcestershire Wildlife Trust since 1988, providing a wealth of experience to the environmental and ecological sector. All the profits of the ecological Consultancy are donated to Worcestershire Wildlife Trust and used to support its charitable work throughout the County.

Worcestershire Wildlife Consultancy has wide-ranging ecological and environmental expertise and a team of specialist associates allowing us to offer a comprehensive list of ecological services:

- Phase 1 Habitat Surveys
- Protected Species Surveys
- Bat Surveys

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- Great Crested Newt Surveys
- Reptile Surveys
- Badger Surveys
- Nesting Bird Surveys
- Breeding Bird Surveys
- Barn Owl surveys
- Otter & Water Vole Surveys
- Dormouse Surveys
- Invertebrate surveys
- Small Mammal Surveys
- Botanical Surveys (incl. NVC –
- National Vegetation Survey)
- Hedgerow Surveys
- Invasive Weed Surveys

- Protected Species Licence Applications (incl. Bat Low Impact Class licence)
- Ecological Clerk of Works
- Mitigation Advice & Implementation
- Monitoring Botanical & Wildlife
- BREEAM Assessments (incl. Code for Sustainable Homes)
- Ecological Planning Advice
- GIS Analysis
- Pond Surveys
- River Corridor Surveys
- Habitat Management Plans
- Habitat Creation/Restoration Advice & Implementation
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