Forbes-
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RYEDALE PGP: KEY TO TREE SURVEY DATA SCHEDULE

Methodology & tree safety

Trees have been surveyed in compliance with BS5837:2005. Due to the strategic nature of the proposed development, the survey identifies A & B grade trees & tree groups, A, B, C and R grade woodlands and hedgerows and trees in immediately hazardous condition.

However, it is not intended to be a tree safety survey in compliance with BS8516 (in press). Trees have been assessed visually from ground level; no invasive inspections have been undertaken nor have any trees been climbed. Any notes offered on structural integrity of trees are incidental, though where hazard trees have been identified, and recommendations given for immediate intervention, this should be put in hand as soon as can be arranged

Tree No.

Tree numbers as per Tree Survey Plan (FLAC dwg no. TSP 29-1030.02) and subsequent drawings. In line with the advice of BS5837:2005, where trees occur as a cohesive group feature (suffixed TG tree group or WG for woodland group), they are assessed as such, with all size data being given as mean figures unless either as stated or where individual trees within the group are also assessed. TG / WG outlines follow the topographical survey. Any trees omitted from the topo survey are listed on the referenced plan, though their positions are only shown indicatively. Off-site trees may be included where deemed relevant, though their positions are also shown indicatively if omitted from topo base

Species

Listed in the schedule by common name. Species present are:

Common name	*Botanical name*	*Provenance*	*Notes*
Alder	Alnus glutinosa	Native	
Ash	Fraxinus excelsior	Native	
Bay willow	Salix pentandra	Native	
Beech	Fagus sylvatica	Native	
Black Italian poplar	Populus x canadensis ‘Serotina’	Exotic	
Blackthorn	Prunus spinosa	Native	
Bullace	Prunus insititia	Native	
Crabapple	Malus sylvestris	Native	
Crack willow	Salix fragilis	Native	
Dog rose	Rosa canina	Native	
Dogwood	Cornus officinalis	Native	
Elder	Sambucus nigra	Native	
Field maple	Acer campestre	Native	
Gean	Prunus avium	Native	
Goat willow	Salix caprea	Native	
Guelder rose	Viburnum opulus	Native	
Hawthorn	Crataegus monogyna	Native	
Hazel	Corylus avellana	Native	
Holly	Ilex aquifolium	Native	
Horse chestnut	Aesculus hippocastanum	Naturalised	
Larch	Larix decidua	Native	
Large leaved lime	Tilia platyphyllos	Native	
Norway maple	Acer platanoides	Exotic	
Norway spruce	Picea abies	Exotic	
Pedunculate oak	Quercus robur	Native	
Rowan	Sorbus aucuparia	Native	
Scots pine	Pinus sylvestris	Native	

Sessile oak	Quercus petraea	Native
Silver birch	Betula pendula	Native
Sitka spruce	Picea sitchensis	Exotic
Sweet chestnut	Castanea sativa	Naturalised
Sycamore	Acer pseudoplatanus	Naturalised
Weeping willow	Salix x sepulcralis 'Chrysocoma'	Exotic
Wych elm	Ulmus glabra	Native

Ht. (m)

Tree height in metres

Dia. (mm)

Stem diameter measured at 1.5m above ground level, given in millimetres. Where the stem sub-divides below 1.5m measurement is taken immediately above the basal flare, indicated by the notation 'MS'. Where the entry appears in italics, this indicates that it was estimated by the surveyor (for example, due to the presence of ivy on the stem). It is our practice to round up when estimating stem diameters

Note
The root protection area (RPA) for any given tree is calculated as per Table 2 of BS5837:2005 and is based on multiplying the stem diameter either at 1.5m AGL by 12 (single stem trees), or at a point immediately above the basal flare by 10 (multi-stemmed or low crowned trees). This derives a radius which, when further multiplied according to the formula $\prod r^2$, gives the area in square metres requiring protection. However, the actual shape of this area is site & tree specific, and should only be determined by an arboriculturist. RPAs shown on the TCP for tree groups are indicative only

N S W E

Radial crown spread in metres, listed for each of the four cardinal points

Ht. 1st br.

Height above ground in metres of attachment point of first significant branch (cardinal point may be given indicating growing direction)

Age class

Life stage divided into:

Y	Young	
MA	Middle-aged	
M	Mature	
OM	Over-mature	
V	Veteran	Veteran & near-future veteran trees are highlighted as shown in the survey data schedule

Phys. Condition

An assessment of the physiological condition (i.e. health/vitality) status of the tree summarised into:

GOOD	Generally in healthy condition
FAIR	Condition satisfactory though below mean species performance
POOR	Tree in decline/retrenching
DEAD	Self explanatory

Structural condition & Notes

Notes on the structural integrity of the tree based on visual tree assessment, including notes on form, taper, forking habit, storm damage, decay fungi, pests, etc as appropriate, plus other pertinent observations

Management recommendations

Recommendations for intervention (e.g. tree surgery, felling, etc) in relation to existing context (NB this is **not** a specification for tree work: further advice will be required prior to implementation). Trees assessed as being in apparently immediately hazardous condition will be notified to the client separately as soon as practicable. Where the recommendation is for further investigation, including removal of ivy and reinspection, the given retention span and quality/value grade (see below) should be treated as provisional. Change in land use (target value) requires further assessment

Ret. Span

An estimate of the remaining retention span that the tree or group of trees is expected to have, based on species, condition & context. The following longevity bands are used, categorised accordingly:

0-5	Tree is dead, dying or collapse is imminent, or possibly requires sanitation felling. Highly unsuitable for retention or impossible to retain
5-10	Tree is dying, has a severe structural defect, or will become exposed following inevitable loss of companion. Unsuitable for retention
10-20	Short-term longevity only: replacement planting generally appropriate
20-40	Mid-term longevity
40+	Good longevity

QV Grade

Quality & Value grade classification according to BS5837:2005 (see attached extract from BS5837:2005 'Table 1 - Cascade Chart for Tree Quality Assessment') –

R Removal priority

A High retention priority

B Moderate retention priority

C Low retention priority

Note

At paragraph 6.1 BS5837:2005 states:

> **"Certain trees are of such importance and sensitivity as to prevent development occurring or to substantially modify its design"**

Should trees be found which we consider to fall within this description, this will be identified by the suffix * after the A grade, e.g. A1*

Table 1 — Cascade chart for tree quality assessment

TREES FOR REMOVAL

Category and definition	Criteria	Identification on plan
Category R Those in such a condition that any existing value would be lost within 10 years and which should, in the current context, be removed for reasons of sound arboricultural management	• 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 R 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 (e.g. Dutch elm disease), or very low quality trees suppressing adjacent trees of better quality. NOTE Habitat reinstatement may be appropriate (e.g. R category tree used as a bat roost: installation of bat box in nearby tree).	DARK RED RGB code: 127-000-000 AutoCAD 246

TREES TO BE CONSIDERED FOR RETENTION

Category and definition	Criteria – Subcategories			Identification on plan
	1 Mainly arboricultural values	2 Mainly landscape values	3 Mainly cultural values, including conservation	
Category A **Those of high quality and value**: in such a condition as to be able to make a substantial contribution (a minimum of 40 years is suggested)	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 which provide a definite screening or softening effect to the locality in relation to views into or out of the site, or those of particular visual importance (e.g. avenues or other arboricultural features assessed as groups)	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)	LIGHT GREEN RGB code: 000-255-000 AutoCAD 90
Category B **Those trees of moderate quality and value**: those in such a condition as to make a significant contribution (a minimum of 20 years is suggested)	Trees that might be included in the high category, but are downgraded because of impaired condition (e.g. presence of remediable defects including unsympathetic past management and minor storm damage)	Trees present in numbers, usually as groups or woodlands, such that they form distinct landscape features, thereby attracting a higher collective rating than they might as individuals but which are not, individually, essential components of formal or semi-formal arboricultural features (e.g. trees of moderate quality within an avenue that includes better, A category specimens), or trees situated mainly internally to the site, therefore individually having little visual impact on the wider locality	Trees with clearly identifiable conservation or other cultural benefits	MID BLUE RGB code: 000-000-255 AutoCAD 170
Category C **Those trees of low quality and value**: currently in adequate condition to remain until new planting could be established (a minimum of 10 years is suggested), or young trees with a stem diameter below 150 mm	Trees not qualifying in higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater landscape value, and/or trees offering low or only temporary screening benefit	Trees with very limited conservation or other cultural benefits	GREY RGB code: 91-91-91 AutoCAD 252
	NOTE Whilst C category trees will usually not be retained where they would impose a significant constraint on development, young trees with a stem diameter of less than 150 mm should be considered for relocation.			

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GUIDANCE FOR IDENTIFYING VETERAN TREES

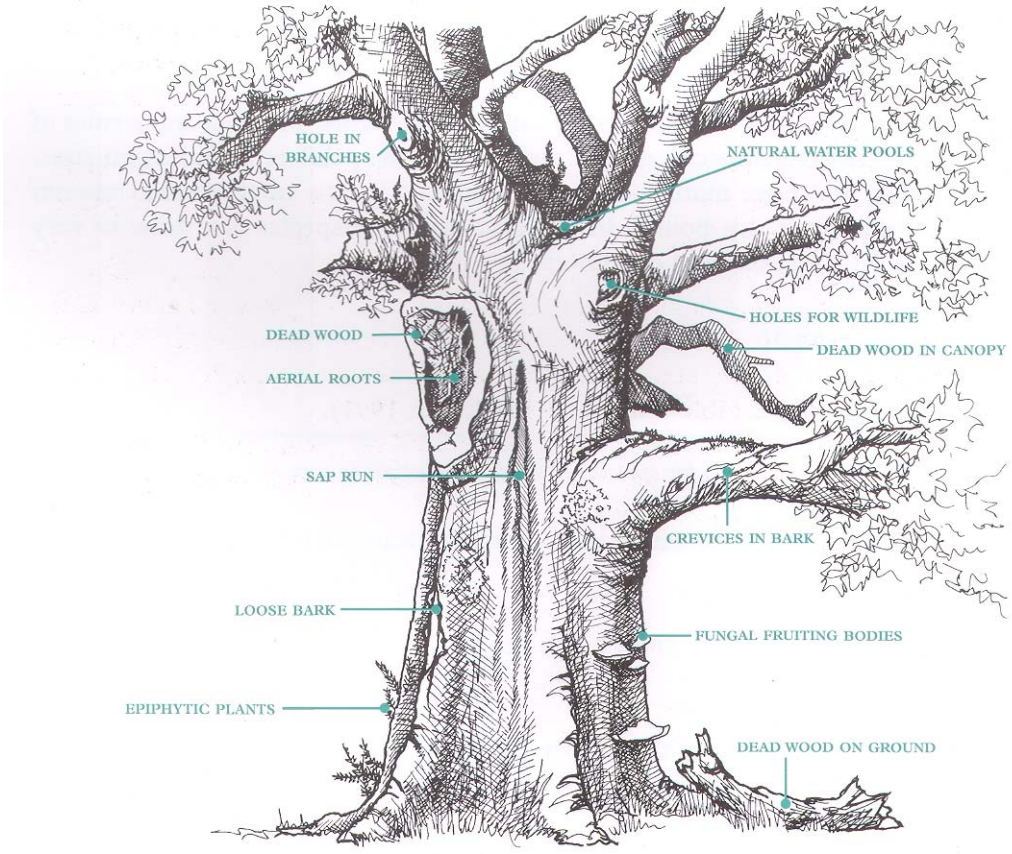
BS5837:2005 defines veteran trees as follows:

"Trees that, by recognized criteria, show features of biological, cultural or aesthetic value that are characteristic of, but not exclusive to, individuals surviving beyond the typical age range for the species concerned"

The criteria referred to are set out below.

Illustration from 'Veteran Trees: A Guide to Good Management' (Helen Read, EN 2000)

Figure 3*. *Diagram to show the features characteristic of a veteran tree.*



NB Not all features listed above have to be present simultaneously for a tree to qualify.

Other indicators given by Read are:

- **Girth/diameter large for species**
- **High number of interdependent wildlife species, including invertebrates**
- **An 'old look'**
- **Pollard form or other indications of historic management techniques**
- **Occupying a prominent position in the landscape, or standing on a boundary**
- **Have a known cultural or historic value**

FLAC Instruction ref. CC29-1030 RYEDALE PGP

MAIN SITE: TREE SURVEY DATA SCHEDULE

Data for individual trees

Note: Trees identified as having Special Value are highlighted and their grade designation is suffixed *

Tree No.	Species	Easting	Northing	Laser offset		Ht.	Dia. (mm)	N	S	W	E	Ht. 1st br.	Age Class (Y-MA-M-OM-V)	Phys. Condition (G-F-P-D)	Structural condition & Notes	Management recommendations	Ret. Span	QV Grade
				Dist.	Card.													
1001	Sycamore	489677.16	487153.8	15	N	15.5	*600*	5	6	4	7	2m E	MA	G	Slight crown asymmetry. Tree of moderate quality and value with no apparent significant defects.	No action required at time of survey	40+	B1
1002	Sycamore	489671.69	487060.82	13	S	18.8	*750*	6	7	5	8	3m E	M	F	Twin-stemmed from 5 metres. Tight union on west, union strong on east. Prominent tree of moderate quality and value.	No action required at time of survey	20-40	B1
1003	Ash	489630.87	486231.62	-	-	4-6	*1400*	5	7	4	5	1m S	V	F	2.5 metre height remnant stump which is highly decayed and hollowed with likely high ecological value. *Ganoderma adspersum* fruiting body and saprophytic fungi seen. Coppice re-generation from base of stump, decayed stem lying adjacent.	No action required at time of survey	40+	B3*
1004	Elder	489497.62	486102.46	7	E	4	*600 MS*	4	4	4	4	0m S	M	F	Old, stunted tree with basal decay unlikely to have structural significance. Heavy lichen cover over all twigs located within linear group of young trees.	No action required at time of survey	20-40	B3
1005	Ash	489438.94	485831.15	9	E	9	*1200 MS*	6	7	6	6	1m S	M	G	Mature tree. Multi-stemmed form from past hedgerow management with laid stems along ground.	No action required at time of survey	40+	B1
1006	Ash	489417.3	485729.7	7.5	E	8	*1400 MS*	6	7	6	6	1m S	M	G	Old hedgerow tree with dense multi-stemmed form from past hedgerow management including coppicing and laying. High quality tree.	No action required at time of survey	40+	B1
1007	Hawthorn	489139.65	484412.88	8.5	E	6	*500 MS*	5	4	3	3	1m E	M	G	Old, previously laid tree from past hedgerow management, now grown out. No apparent significant defects.	No action required at time of survey	40+	B1
1008	Walnut	489076.06	483333.55	13	S	15.5	*900*	8	8	4	8	4m N	M	F	Large, prominent tree. Moderate damage and minor dead wood and cavities in crown. Small area of basal decay on south side of apparent low significance.	No action required at time of survey	20-40	B1
1009	Walnut	489033.3	483329.68	13	S	15.9	*1000*	8	8	7	8	3m N	M	F	Prominent tree with good vitality. Previous branch failures have revealed cavities with habitat potential. Wide stem with no apparent significant defects.	No action required at time of survey	20-40	B3
1010	Larch	488957.22	483255.72	15.5	N	13.1	*600*	6	6	5	7	2m S	M	F	Stunted growth but reasonably prominent tree in landscape. Some dead wood and damaged branches. Twin-stemmed from 3 metres.	No action required at time of survey	20-40	B2
1011	Larch	488973.02	483256.76	12	N	11.1	*700*	6	8	5	8	2m E	M	F	Dense crown, stunted growth but reasonably prominent tree in landscape. Damaged and decayed buttress on north side, large buttressing elsewhere.	No action required at time of survey	20-40	B1
1012	Red Horse Chestnut	488973.24	483143.48	14	S	12.5	*550*	5	5	5	5	3m W	M	F	Cankers at base of stem and on scaffold limbs typical for species and not apparently significant to structural integrity. Good vitality.	No action required at time of survey	20-40	B1
1013	Ash	489071.13	482561.02	9	N	11.3	*1400*	9	10	6	9	3m E	V	F	Principal stem with cavities and significant hollowing. Likely owl roost. Dead limbs in crown. Good vitality. Large buttress flare at base. Located on south side of small stream; roots likely to be on south of stream only.	No action required at time of survey	40+	A3*
1014	Ash	488916.34	482191.05	9	W	10.6	*380*	3	3	3	6	2m E	MA	F	Dense ivy on stem and scaffold limbs. Tree of moderate quality and value on bank by stream.	No action required at time of survey	40+	B1
1015	Ash	488469.7	482111.43	11	S	14.1	*1500 MS*	7	7	9	10	4m S	OM	F	Old tree. Twin-stemmed from ground level. Dense ivy, significant die-back on eastern stem. Dead wood throughout. Good habitat potential.	No action required at time of survey	20-40	B3
1016	Ash	488450.37	482110.09	10	S	14.4	*650*	7	6	5	7	4m N	M	F	Slightly low vitality. Reasonably prominent tree on northern side of ditch – roots likely to be confined predominantly to north side. Dead wood and dense ivy.	No action required at time of survey	40+	B1
1017	Ash	488377.18	482119.39	8.5	S	12.5	*800 MS*	7	6	5	8	3m E	MA	F	3 stems from ground level. Tree of moderate quality and value. Located on northern side of ditch. Tight union developing between two members may limit retention span.	No action required at time of survey	20-40	B1
1018	Sycamore	487879.74	482097.18	10	E	12.5	*600*	4	6	5	8	3m N	MA	G	Adjacent to edge of stream. Reasonably prominent. Ivy on scaffolds. No apparent significant defects.	No action required at time of survey	40+	B1
1019	Ash	486472.81	482092.88	16	E	13.6	*700 MS*	7	3	7	7	3m N	MA	F	2 stems from ground level leaning slightly to north. Tree of moderate quality and value.	No action required at time of survey	40+	B1
2001	Ash	481145.47	482708.08	10.5	E	14	700 MS	5.9	8.3	7.3	7	3	M	G	Single stem from ground level with 2 mature suckers. Low scaffold to west has poor attachment. Major dead wood scattered through crown	No action required at time of survey	20-40	B1
2002	Ash	481162.32	482766.45	11.5	NE	16	1040 MS	7.1	6.5	7.9	9.6	4	M	F	Twin stems with bark inclusion from 1m agl. Cankers through crown. Major dead wood and storm damage in crown	No action required at time of survey	20-40	B2

Tree No.	Species	Easting	Northing	Laser offset		Ht.	Dia. (mm)	N	S	W	E	Ht. 1st br.	Age Class (Y-MA-M-OM-V)	Phys. Condition (G-F-P-D)	Structural condition & Notes	Management recommendations	Ret. Span	QV Grade
				Dist.	Card.													
2003	Ash	481248.2	482758.35	14.5	N	17.1	704	9.1	9.3	8.1	7.8	5.5	M	G	Occluded old wounds on stem. Major dead wood scattered through crown.	No action required at time of survey	40+	B1
2004	Ash	481275.41	482751.73	14	N	17.5	601	9.2	8.4	7.3	8.1	4.5 E	M	G	End-loaded lateral branch to east. Low branches pruned to a poor standard.	Tidy pruning of low branches	40+	B1
2005	Ash	481355.31	482736.28	20	N	20.5	1060	9.9	10.9	11.1	13.1	5 W	M	G	Stem cracks on north side from 1m agl to bifurcation at 3.5m. Low branches truncated and split by poor pruning. Major dead wood scattered through crown	No action required at time of survey	20-40	B1
2006	Field maple	481266.07	482652.84	7	S	9	425 max	4	4.7	3.5	4.6	2	M	G	Multiple stems from ground level suggesting hedgerow origin. Crown is biased to south following utility pruning.	No action required at time of survey	40+	B1
2007	Ash	481295.07	482649.59	7	S	16.2	*900 MS*	4.5	5.2	5.7	6.5	2.5 S	M	F	Multiple stems from ground level, north stem removed for power cable clearance. Burring at base of stem. Ivy obscures stem and scaffold branches. Low branches pruned to poor standard. Owl boxes installed.	Tidy pruning of low branches	20-40	B1
2008	Ash	481319.29	482633.25	16	S	19.4	*1500 MS*	5.7	10.3	11.8	10.8	4	M	G	Multiple stems from ground level with points of contact above bifurcations, unions appear sound. Low branches over field pruned to a poor standard with fractures at pruning cuts.	Tidy pruning of low branches	20-40	B1
2009	Ash	482468.64	482326.35	11.5	N	14.9	810	11	8.7	8.2	11.3	4	M	G	Ivy obscures stem and scaffold branches Storm damage and major dead wood scattered through crown	Remove ivy and reinspect	40+	B1
2010	Ash	482470.4	482325.51	11	W	14.4	500	8.5	7.3	7.3	7	4	OM	P	Decay extensive in stem with past branch failures. *Inonotus hispidus* brackets on scaffold branches. High bat roost potential	No action required at time of survey	20-40	B3
2011	Ash	482561.49	482311.31	8	S	14.9	850	7.5	6.9	9.8	9	3	M	G	Ivy obscures stem and scaffold branches. Major dead wood scattered through crown. Suspended branch	Remove ivy and reinspect. Remove suspended branch	20-40	B1
2012	Crab apple	482766.31	482267.72	7	E	5.5	530	4.4	4.3	4	4.5	2	OM	F	Crown sparse. Decay extensive in stem with open visible cavities. Exposed and damaged roots	No action required at time of survey	20-40	B3
2013	Ash	483487.2	482102.28	14.5	S	19.4	*1500 MS*	10	11.1	12.1	13	3	M	G	Twin stems from ground level. Inonotus hispidus fruiting body at base of central scaffold branch. Storm damage in crown	No action required at time of survey	20-40	B1
2014	Ash	483526.02	482091.7	9.5	W	13.3	475	6.9	5	6.9	5	3 W	M	G	Slight stem lean to east. Major dead wood scattered through crown. Crown is biased to north east.	No action required at time of survey	40+	B1
2015	Ash	483525.8	482072.61	12	W	15.9	600	6.8	3.5	6.8	5	4	M	F	Crown slightly sparse. Ivy obscures stem Storm damage and major dead wood scattered through crown.	No action required at time of survey	20-40	B1
2016	Ash	483524.07	482056.31	12	W	16	575	4.6	6.7	7.6	7	5	M	G	Crown is biased to south. Ivy obscures stem and scaffold branches. Major dead wood scattered through crown	No action required at time of survey	20-40	B1
2017	Ash	484293.58	481957.03	14.5	E	13.1	*450 MS*	5.6	5	6.8	6	2	MA	G	Multiple stems from ground level with early bark inclusion	No action required at time of survey	20-40	B1
2018	Ash	484888.63	482668.61	12	W	14.3	*450*	7	4.4	5.6	5	4	M	G	Ivy obscures stem. Low branches cut with flail but there are no apparent significant defects. H.2	No action required at time of survey	20-40	B1
2019	Ash	485101.58	483035.78	11	S	11.9	480	4.9	7	6.7	4.9	4	M	F	Ivy obscures stem. Major dead wood scattered through crown. Minor dieback of low branches	No action required at time of survey	20-40	B1
2020	Ash	485389.69	483471.95	-	-	2	*500 MS*	1.5	1.5	1	1	0	V	F	Veteran coppice ash regrown as laid edge and flail cut.	No action required at time of survey	40+	A3*
2021	Ash	485505.13	483695.01	12	N	14.9	580	5.8	5	5.4	5	5	M	G	Storm damage in crown. Major dead wood scattered through crown Basal/ epicormic growth	No action required at time of survey	20-40	B1
2022	Ash	486109.45	482094.97	17.5	E	16.4	820 MS	7.3	7.2	8	10.3	5	M	G	Multiple stems from ground level. Major dead wood scattered through crown	No action required at time of survey	20-40	B1
2023	Ash	486109.1	482110.42	17	E	18	780 MS	7.6	7.4	5	8.6	6	M	G	Multiple stems from ground level. Major dead wood scattered through crown. Crown is biased to east. Low branches removed on west side.	No action required at time of survey	20-40	B1
2024	Pedunculate oak	486133.43	482063.83	9.5	S	18.6	1200	3	10.3	8.6	6.7	3	V	G	Decay extensive at base. Burring and epicormic growth on stem. Storm damage in crown including fractured scaffold branches. Some die back in upper crown.	No action required at time of survey	40+	A3*
2025	Pedunculate oak	485888.92	482017.22	13.5	N	12.4	980	6.2	7.7	6.2	5.2	4	OM	F	Old impact wounds at the base. Major dead wood scattered through crown together with dieback and stag-heading. Open visible cavities in scaffold branches Crown is biased to south.	No action required at time of survey	40+	A3
2026	Ash	485853.17	482109.8	17	W	14.9	1080	5.9	7.8	7.8	11.3	3	OM	G	Decay extensive in stem from ground level upwards to large open visible cavities above 4m. Major storm damage in crown including loss of scaffold branches.	No action required at time of survey	40+	A3
2027	Ash	485855.76	482096.18	15.5	W	19.4	1180	8.3	10	10	8.8	4	V	G	Extensive buttress root development with numerous water pockets. Open visible cavities in stem. Dieback in upper crown. *Inonotus hispidus* fruiting bodies on stem. Reiterative growth on lower stem	No action required at time of survey	40+	A3*

Tree No.	Species	Easting	Northing	Laser offset		Ht.	Dia. (mm)	N	S	W	E	Ht. 1st br.	Age Class (Y-MA-M-OM-V)	Phys. Condition (G-F-P-D)	Structural condition & Notes	Management recommendations	Ret. Span	QV Grade
				Dist.	Card.													
2028	Ash	485841.17	482105	24	E	21.4	1560	12.8	12.3	11.5	14.3	5	M	G	Major dead wood and occasional cankers scattered through crown. Poor pruning of low branches	Tidy pruning of low branches	40+	A1
2029	Ash	485838.85	482079.37	17	E	14.3	650	8.4	7.3	7	8.1	3.5	M	G	Self-corrected lean. Major dead wood scattered through crown	No action required at time of survey	40+	B1
2030	Ash	484951.56	481817.74	16	S	16.8	550	7.5	7	7.7	8.6	5	M	F	Ivy obscures stem. Storm damage in crown Major dead wood scattered through crown	No action required at time of survey	20-40	B1
2031	Ash	484937.98	481814.81	15	S	16.5	550	6.2	7.1	6.3	6.5	4	M	F	Crown slightly sparse Major dead wood scattered through crown Ivy obscures stem	No action required at time of survey	20-40	B1
2032	Ash	484909.39	481809.58	15.5	S	16.8	600	5.8	8	7.9	10.2	5	M	G	Storm damage in crown. Epicormic growth on stem. Major dead wood scattered through crown	No action required at time of survey	20-40	B1
2033	Ash	487363.53	484232.52	16	N	13.3	635	8.4	4.8	3.3	7.6	7	M	G	Stem bifurcates at 4m with old wound and *Inonotus hispidus* fruiting body. Reiterative growth from stem below fork. Crown shape is poor because of storm damage and exposure	No action required at time of survey	20-40	B1
2034	Pedunculate oak	487698.34	485142.36	19.5	E	14.8	685	6.8	9.5	8.3	8.5	2	MA	F	Split in scaffold branch to south but there are no other apparent significant defects	No action required at time of survey	40+	B1
2035	Pedunculate oak	487718.34	485193.72	16	E	11.2	815 MS	7.2	7.8	6.7	6.2	0 S	MA	G	Subordinate stem to south with poor attachment. Major dead wood scattered through crown	No action required at time of survey	40+	B1/3
2036	Ash	490379.73	487074.56	12	NE	17	550	7	10.5	6.4	8.6	5	M	F	Multiple stems from ground level. Major dead wood scattered through crown	No action required at time of survey	20-40	B1
2037	Hawthorn	490352.18	487075.24	10.5	NW	8.5	720 MS	6.1	7.3	5.7	6.4	1	V	F	Fallen dead wood at base. *Ganoderma adspersum* fruiting body at 1.1m and associated decay in stem. Storm damage in crown including fractured scaffold branches.	No action required at time of survey	40+	A3*
9001	Ash	484672.4	481845.5	7	W	17.7	495	6	6	4	6.5	4	M	G	Companion to off-site tree group. Ivy prevented thorough inspection of main union though no defect apparent on partial inspection. Minor storm damage & dead wood. Crown shape distorted by adjacent tree(s) & with NW crown sparse. Minor bark damage on lower stem though no significant decay apparent on sounding	No action required at time of survey	20-40	B1
9002	Ash	484669.8	481844.3	7	W	9.5	*750*	7	5.5	6	6	2.8	M	G	Ivy prevented thorough inspection though no apparent significant defects on partial inspection. Vase-shaped crown form	No action required at time of survey	20-40	B2
9003	Ash	484801.4	482267.7	9	W	13	*470*	6.5	5	5	5	2.5	M	G	Stands off-site preventing thorough inspection; No apparent significant defects on partial inspection. Minor dead wood; good shape & form	No action required at time of survey	40+	B1
9004	Crabapple	484803.3	482418.3	7	W	11	*850*	1	5.5	5.5	2.5	2.5	OM(NFV)	G	Crown shape distorted by adjacent tree(s) to give crown very one-sided to S; No apparent significant defects though minor stem cavity noted at 1m N. Very old specimen though surprisingly lacking in other veteran features	No action required at time of survey	40+	A3*
9005	Ash	484803.3	482421.5	7	E	13.5	*950*	6	5	6.5	7.5	3.5	OM	F	Very extensive colonisation by *Inonotus hispidus*; has lost original top at 9m and is undergoing progressive collapse. Large cavities in stem with apparent tawny owl roost	No action required at time of survey	20-40	B3*
9006	Ash	484783.6	482446.1	13	W	16.4	*940*	8	7.5	6.5	5.5	3.5	M/OM	F	Original co-dominant leader from base to W removed to leave decaying stub at 1.5m. Basal cavity to S: not inspected in detail. Ivy prevented thorough inspection of upper stem & crown. Moderate to large dead branches present in crown & with *Daldinia concentrica* present sponsoring likely detachment; large dead hanger noted in W crown	No action required at time of survey	20-40	B1
9007	Crabapple	484790.1	482480.2	10	W	11.6	*1100* MS	4	9	5	6	4	OM(NFV)	F	Bifurcates at 1.2m; large rip on S leader from poor tree surgery. Extensive decay in north leader at 1.5m inc. fruitbody present: sounding suggests at risk of collapse. Remnant will have very poor aesthetic but added habitat value	No action required at time of survey	20-40	B1
9008	Ash	484763.1	482710.6	10.5	W	14	440	5	4	5	6	4	MA	F	Fair shape & form; minor dead wood only but crown sparse in places	No action required at time of survey	20-40	B1
9009	Ash	484749.7	482764.3	9.5	W	16.3	680	9	4	6	5	4.5	M	F	Basal decay though appears stable & to have compartmentalised. Excessive crown lifting to W presumably for agricultural plant clearance under canopy. Moderate to occasionally large dead wood in crown. Good shape & form	No action required at time of survey	20-40	B1
9010	Ash	484740.3	482817.0	9.5	W	13.2	*910* MS	9	9	8	6.5	3.5	M	F	Minor dead wood only though crown sparse in places. Sub-dominant leader from 1m to S. Good shape & form with vase-shaped crown	No action required at time of survey	20-40	B1
9011	Pedunculate oak	484730.1	482863.4	13	W	14.9	920	7	9	7	7	3	M	G	Not inspected in detail inc. lower stem & primary buttresses. Poor lower crown tree surgery to west, otherwise appears very good example	No action required at time of survey	40+	A1
9012	Ash	484732.6	482874.9	7	W	11.7	*600*	5	5	4.5	5	4	M	F	Fair shape & form; minor dead wood only though crown sparse in places. Possible historic removal of original co-dominant leader at 1.4m W	No action required at time of survey	20-40	B1
9013	Ash	484713.8	483013.6	11	W	15	*610*	6	7	7	6	4	M	F - P	Crown very sparse in places though elsewhere satisfactory. Bifurcates at 2.7m though not inspected in detail. Ivy prevented thorough inspection though no apparent significant defects on partial inspection	No action required at time of survey	20-40	B1

Tree No.	Species	Easting	Northing	Laser offset		Ht.	Dia. (mm)	N	S	W	E	Ht. 1st br.	Age Class (Y-MA-M-OM-V)	Phys. Condition (G-F-P-D)	Structural condition & Notes	Management recommendations	Ret. Span	QV Grade
				Dist.	Card.													
9014	Ash	484712.3	483035.5	12	W	18.2	*660*	7	8	7.5	7	4	M	G	Ivy prevented thorough inspection though no apparent significant defects on partial inspection. Minor to moderate dead wood in crown. Good shape & form	No action required at time of survey	20-40	B1
9015	Ash	484686.3	483093.8	20	S	14.5	*740* MS	6	4	8	6.5	-	M	F	Heavy growth of ivy prevented thorough inspection. Multi-stemmed from ground level or possibly two trees. South crown sparse	Tree potentially threatens adjacent road: remove ivy & reinspect as soon as can be arranged	10-20	C2
9016	Ash	484698.0	482916.3	14	E	18	*940*	8	8	7	7	4	M	F	Shape & form spoiled by poor tree surgery to E crown: stub present at 4.5m& S crown sparse. Ivy prevented thorough inspection though no apparent significant defects on partial inspection. Moderate dead wood noted in crown	No action required at time of survey	20-40	B1
9017	Ash	484773.8	482208.7	10.5	E	14.8	1200 MS	9	4	6	7	2.5	M	F	Ivy prevented thorough inspection though no apparent significant defects on partial inspection. S crown lost to storm damage at 3m. Probable grown-out coppice	No action required at time of survey	20-40	B1
9018	Ash	484778.2	482189.4	12.5	E	14.8	*880*	8	7	7	8	2.5	M	G	Trifurcates at GL; minor dead wood noted in crown. Wolf limb to E considered at risk of collapse	No action required at time of survey (though could reduce low east limb to forestall collapse)	20-40	B1
9019	Ash	484781.5	482155.0	11.5	E	17.1	400	6	6	6	6	3	M	G	Good shape & form with no apparent significant defects; minor dead wood noted in crown	No action required at time of survey	40+	B1
9020	Ash	484784.1	482139.8	13	E	16.9	1060 MS	10	7	5	6	3.5	M	G	Multi-stemmed from ground level possibly from grown-out coppice; fair shape & form. Minor dead wood noted in crown; No apparent significant defects	No action required at time of survey	40+	B1
9021	Ash	485121.59	482872.53	15	W	9	550	5	6	4	5	4	MA	F	Heavy ivy colony into crown prevented inspection and threatens to swamp the tree. Fair shape & form with vase-shaped crown. No apparent significant defects on partial inspection	Sever ivy	20-40	B1
9022	Ash	485124.62	482865.3	14	W	10	480	4	5	5	4	3.5	MA	G	Ivy prevented thorough inspection. Bifurcates at 2.8m. Good shape and form and with good potential	Sever ivy	40+	B1

Data for tree groups

For canopy cover please refer to Tree Survey Plan and subsequent drawings

Tree No.	Species	Tree count	Ht.	Dia. (mm)	Age Class (Y-MA-M-OM-V)	Phys. Condition (G-F-P-D)	Structural condition & Notes	Management recommendations	Ret. Span	QV Grade
TG 1001	Larch	31	8-12	400 av	M	F	Stunted growth, one broken stem, fractured limbs. Moderate quality group reasonably prominent in landscape.	No action required at time of survey	20-40	B1
TG 1002	Larch 75%; Scots pine 15%; silver birch 5%; spruce 5%	IRO 100	13	*250*	MA	F	Closely spaced trees with slender stems. Group reasonably prominent in landscape.	No action required at time of survey	40+	B2
TG 1003	Crack willow 70%; alder 20%; elder 5%; , hawthorn 5%	< 100	*20*	750 max	M	P	Tree group comprising predominantly crack willow and occasional alder over-storey. Most willows are wind blown, leaning or with broken stems. Remaining trees – slender and exposed. Relatively dense under-storey group of low overall quality, but with some prominence in landscape. Less damage at western end of group. Presence of native species and condition offers habitat potential hence grade exceeds what might appear to be merited	Could be improved by sylvicultural management, including selective removal of R-grade individuals within copse	20-40	B3
TG 1004	Black Italian poplar	6	32.2	*900*	M	F	Long lateral limbs, asymmetric growth typical for species. Prominent group comprising individual trees of moderate quality and value.	No action required at time of survey	20-40	B2
TG 1005	Weeping willow	2	13.9	*500*	MA	G	Two trees growing together forming single canopy unit. Moderate quality and value. No apparent significant defects.	No action required at time of survey	20-40	B1
TG 1006	Hawthorn	17	6	*650 max MS*	OM	F	Fragmented linear group along line of former hedgerow. Old trees, multi-stemmed from ground level with twisted, distorted form forming arboriculturally interesting feature.	No action required at time of survey	20-40	B3
TG 1007	Bullace 90% hawthorn 5%, blackthorn 5%	< 300	10-12	*400 MS av*	M	F	Closely spaced trees forming coherent group adjacent to field boundary. Some weak unions and failed limbs. Highly useful screening function between field and industrial works. Becomes like TG1008 at eastern end.	No action required at time of survey	20-40	B2
TG 1008	Hawthorn, blackthorn, dog rose	IR0 20	7	*300 max MS*	M	F	Numerous closely spaced stems forming coherent linear group. Older trees to east on adjacent field boundary.	No action required at time of survey	20-40	B2
TG 2001	Sycamore x50 ash x4	54	12	140-200	MA	F	Dense stand of drawn up trees with slender stems and includes indifferent hedgerow ashes. Useful screening function	No action required at time of survey	20-40	B2
TG 2002	Hawthornx12 Field maple x1	13	7	450 max	OM	F	Remnant of old laid hedge now with defined crown because of browsing stock. Individuals with decay evident and some with prolific ivy suppressing crowns.	Sever ivy where suppressing individuals	20-40	B3

Tree No.	Species	Tree count	Ht.	Dia. (mm)	Age Class (Y-MA-M-OM-V)	Phys. Condition (G-F-P-D)	Structural condition & Notes	Management recommendations	Ret. Span	QV Grade
TG 2003	Field maple x2 Crab apple x1	3	8	405	M	G	Multiple stem central tree of laid hedge origin with single stem trees on either side.	No action required at time of survey	40+	B1
TG 2004	Ash x2 Field maple x1	3	9.5	520 max	M	F	Ivy obscures stem No apparent significant defects	No action required	20-40	B2
TG 2005	Hawthorn Crab apple Elder Blackthorn	16	5	350	M	F	Scattered group of indifferent arboricultural value though higher ecological value.	No action required at time of survey	20-40	B3
TG 2006	Alder	8	13	600 max	M	G	Important feature in local landscape. Streamside group of native trees free from significant defects.	No action required at time of survey	40+	A2
TG 2007	Hazel x4 Hawthorn x8	12	7	450 MS	M	F	Grown-out hedge providing a near continuous feature including fine hazels	No action required at time of survey	20-40	B2
TG 2008	Hawthorn	25	4	150 MS	MA	G	Linear group along south side of disused railway. Scattered at west end becoming continuous towards centre and east	No action required at time of survey	40+	B2
TG 2009	Ash	16	17	520 max	M	G	Linear group along north side of disused railway track. Many have multiple stems from ground level, some stems have been removed. Important feature in local landscape	No action required at time of survey	40+	B2
TG 2010	Ash	16	17	520 max	M	G	Three lines of trees along disused railway track. Many have multiple stems from ground level, some stems have been removed. Important feature in local landscape	No action required at time of survey	40+	B2
TG 2011	Ash	6	9	280 MS	MA	G	Ivy obscures stems of most but there are no apparent significant defects	No action required at time of survey	40+	B2
TG 2012	Hawthorn	8	6	350 MS	OM	F	Grown-out hedge with heavy ivy suppressing crown development	No action required at time of survey	'10-20	C2
TG 2013	Ash	3	16	1000 MS max	M	G	All trees have multiple stems from ground level. Inspection limited by ivy. Low branches poorly pruned	No action required at time of survey	20-40	B2
TG 2014	Ash	2	14	800 MS	M	F	All trees have multiple stems from ground level. Inspection limited by ivy.	No action required at time of survey	40+	B2
TG 2015	Blackthorn Hawthorn Elder	8	4	350 MS max	M	G	Small group within hedge on an exposed ridge; though small important in local landscape	No action required at time of survey	20-40	B3
TG 2016.1	Ash Alder Norway maple Sessile oak Blackthorn Beech Common lime	>100	13	450 max	MA	G	Shelterbelt planting along side private track. Species mix includes non-native species of dubious suitability to location.	Remove non-native species	40+	B2
TG2016.2	Ash Alder Common lime Sycamore	30	13	450 max	MA	G	Shelterbelt planting along side private track. Species mix includes non-native species of dubious suitability to location.	Remove non-native species	40+	B2
TG2017	Hawthorn Blackthorn Crab apple	>100	5	350 MS	M	G	Grown-out hedge with dense areas of blackthorn suckers. High ecological value	No action required at time of survey	20-40	B3
TG2016.3	Ash Alder Sycamore Crack willow Large leaf lime Norway maple Rowan	60	13	450 max	MA	G	Shelterbelt planting along side private track. Species mix includes non-native species of dubious suitability to location.	Remove non-native species	40+	B2
TG 2016.4	Ash Sycamore Large leaf lime Beech	40	13	450 max	MA	G	Shelterbelt planting along side private track. Species mix includes non-native species of dubious suitability to location.	Remove non-native species	40+	B2
TG 2018	Ash	3	15.5	600	M	F	Ivy obscures stems of east trees. Roots constricted by ditch to north.	No action required at time of survey	20-40	B2
TG 2019	Beech Silver birch Goat willow	>100	9	250 av	MA	G	Dense native species group at the edge of conifer plantation	No action required at time of survey	40+	B2
TG 2020	Beech Corsican pine	>100	16	350	MA	G	Mainly beech with occasional Corsican pine and willows along edge. Rabbit damage to bark of beech.	No action required at time of survey	40+	B2
TG 2021	Beech Silver birch Goat willow Rowan Sycamore	50	9	250 av	MA	G	Dense and predominantly native species group at the edge of conifer plantation	No action required at time of survey	40+	B2
TG 2022	Blackthorn Hawthorn Rowan Hazel Elder	>100	6	300 max	M	G	Dense thicket of small native species, suckering blackthorn along edges some of which has been flailed. Wild raspberry in understorey. High ecological value.	No action required at time of survey	40+	B3
TG 2023	Beech Larch Scots pine	70	15	500 max	MA	G	Mixed species group with beech along the south edge. Occasional windthrown internal tree	No action required at time of survey	20-40	B2
TG 2024	Hawthorn Elder Blackthorn	75	6	300 MS av	M	F-G	Group of variable density, with occasional standing dead tree. Dense bracken understorey	No action required at time of survey	20-40	B2
TG 2025	Pedunculate oak Sycamore Horse chestnut Sweet chestnut Silver birch Rowan Hawthorn Elder Beech Sessile oak Gean Hazel Field maple	>100	5	120-300	Y-M	F	Dense recent planting of native and exotic species among scattered thorn bushes	Thin through removal of non-native species	40+	C2
TG 2026	Larch Sitka spruce Sycamore Rowan	30	12	170	Y-MA	G	Scattered regeneration with some dense areas. Mainly exotic conifers with occasional native deciduous species.	No action required at time of survey	40+	C2

Tree No.	Species	Tree count	Ht.	Dia. (mm)	Age Class (Y-MA-M-OM-V)	Phys. Condition (G-F-P-D)	Structural condition & Notes	Management recommendations	Ret. Span	QV Grade
TG 9001	Ash 70%, hawthorn 30%	100+	7 av 15 max	Ash to 800 MS Hawthorn to 250	M – OM	G	Well-established woody vegetation along dismantled railway line. Lower crowns to field-side flailed. Many of the hawthorns becoming over-mature; most ash grown-out coppice with many showing advanced decay in coppice stools (inc. observations of *Polyporus squamosus* fruitbodies)	No action required at time of survey though likely to benefit from sylvicultural management	40+	B2
TG 9002	Hawthorn 60%, blackthorn 20%, ash 15%, dog rose (5%)	80 est.	9 av	245 max	M	F - P	Grown-out hedge with ash regen in places; becoming scrappy	No action required at time of survey	20-40	B2
TG 9003	Ash x3	3	17	*850* max	M	F - P	Ivy prevented thorough inspection. One member of group dying, others sparse, especially to E. Low quality trees recorded due to potential hazard to road	Tree potentially threatens adjacent road: remove ivy & reinspect as soon as can be arranged	10-20	C2
TG 9004	Ash x 7 Sycamore x 1	8	11.5 av	Max 770	MA - M	F	Ivy prevented thorough inspection. Individuals of less merit than as a group	No action required at time of survey (though could remove sycamore as invasive species)	20-40	B2

Data for hedgerows

Hedge No.	Species	Ht.	Dia. (mm)	Age Class (Y-MA-M-OM-V)	Phys. Condition (G-F-P-D)	Structural condition & Notes	Management recommendations	Ret. Span	QV Grade
H 1001	Elder, field maple, hawthorn, ash	4	*350 MS*	M	F	Gappy. Gives way to young trees to the north. Older trees further south are grown out and have not been managed for many years.	No action required at time of survey	40+	B2
H 1002	Hawthorn, dog rose, elder, blackthorn	3	*400 MS max*	M	F	Unmanaged hedgerow, gappy to east with occasional large hawthorn. Predominantly small blackthorn adjacent to stone wall field boundary.	No action required at time of survey	40+	B2
H 1003	Dog rose, elder, hawthorn	2	*400 MS av*	M	F	Gappy hedgerow, comprising previously laid thorns, more recently flailed at 1.5 metres.	No action required at time of survey	40+	B2
H 1004	Dog rose, elder, hawthorn	2	*400 MS av*	M	F	Gappy hedgerow, comprising previously laid thorns, more recently flailed at 1.5 metres.	No action required at time of survey	40+	B2
H 1005	Hawthorn	3	*50*	Y	G	Relatively young hedgerow of good density, managed by flailing.	No action required at time of survey	40+	B1
H 1006	Hawthorn	3	*50*	Y	F	Relatively young hedgerow generally of good density but gappy in places, managed by flailing.	No action required at time of survey	40+	C1
H 1007	Hawthorn	2	*75*	MA	G	Gappy beneath walnut, otherwise good density, recently flailed.	No action required at time of survey	40+	B1
H 1008	Elder, crab apple, ash, hawthorn, holly, dog rose, gean	3	*70*	M	F	Gappy near base, species-rich hedgerow maintained by flailing. Potentially 'important' under 1997 Hedgerow Regs.	No action required at time of survey	40+	A3
H 1009	Wych elm, hawthorn, sycamore, elder, crab apple, dog rose, ash	3	*70*	M	F	Gappy near base, species-rich hedgerow maintained by flailing. Potentially 'important' under 1997 Hedgerow Regs.	No action required at time of survey	40+	A3
H 1010	Hawthorn	1.6	*200 MS*	MA	F	Clipped hedge, gappy with sparse foliage at base.	No action required at time of survey	40+	C1
H 1011	Dogwood, blackthorn, ash, dog rose, hawthorn	3	*100*	MA	F	Species rich hedgerow with many gaps interspersed with poor quality mid-aged ash trees on bank with stream at base.	No action required at time of survey	40+	B1
H 1012	Sycamore, blackthorn, hawthorn	1.8	*150 MS*	M	G	Dense hedge, regularly clipped adjacent to deep water-filled stagnant ditch.	No action required at time of survey	40+	B2
H 1013	Ash, hawthorn, dog rose, guelder rose, goat willow, blackthorn, dog wood	3.5	*300 MS*	M	G	Dense hedge, regularly clipped adjacent to deep water-filled stagnant ditch. Hedge contains old, laid ash stems. Potentially 'important' under 1997 Hedgerow Regs.	No action required at time of survey	40+	A3
H 1014	Hawthorn, ash, dog rose	1.5	*50*	MA	G	Reasonably good density, hedge of moderate quality and value.	No action required at time of survey	40+	B2
H 1015	Hawthorn, blackthorn, elder, dog rose, field maple, ash	2	*200 MS*	M	G	Old hedge with good density gaps adjacent to ditch. 15 metre gap in hedge at access point between fields. Potentially 'important' under 1997 Hedgerow Regs.	No action at time of survey	40+	A3
H 1016	Blackthorn, elder, ash	1.5	*200 MS*	M	F	Relatively sparse, gappy hedge with little low growth	No action at time of survey	20-40	C2
H 1017	Ash, field maple, hawthorn, snowberry	1.2	*50*	M	F	Relatively poor quality gappy hedge	No action required at time of survey	20-40	C2

Hedge No.	Species	Ht.	Dia. (mm)	Age Class (Y-MA-M-OM-V)	Phys. Condition (G-F-P-D)	Structural condition & Notes	Management recommendations	Ret. Span	QV Grade
H 1018	Hawthorn, sycamore, blackthorn, ash	1.8	*300 MS*	M	G	Clipped hedge with good density on field edge adjacent to stream. Large ivy throughout.	No action required at time of survey	40+	B2
H 1019	Blackthorn, ash, hawthorn	1.7	*250 max*	M	G	Reasonably dense hedge regularly managed by clipping. Low gaps on east side of water-filled stagnant ditch.	No action required at time of survey	40+	B2
H 1020	Hawthorn, blackthorn, dog rose, ash, elder	2.5	*200 MS*	M	G	Clipped hedge with good density. Sparse foliage at base.	No action required at time of survey	40+	B2
H 2001	Blackthorn (90%) Dog rose Ash Hawthorn Crab apple Guelder rose	2	*150 MS*	M	G	Dense regularly managed flail cut hedge with occasional gaps developing particularly at the eastern end.	No action required at time of survey	40+	B2
H 2002	Blackthorn (80%) Hawthorn Crab apple	5	*350 max*	M	F	Grown out laid hedge of variable quality - better sections at either end.	No action required at time of survey	20-40	B2
H 2003	Blackthorn (75%) Hawthorn Elder Dog rose Damson	5	*250 MS*	M	G	Dense and spreading hedge unmanaged and forms significant landscape feature. Adjacent to track.	No action required at time of survey	40+	A2
H 2004	Hawthorn Elder	2.25	*150 MS*	M	F	Flail cut hedge with gaps developing.	No action required at time of survey	10-20	C2
H 2005	Hawthorn Hazel Blackthorn Ash Field maple Guelder rose Dog rose	2	*300 MS*	M	G	Species diverse dense hedge. Regularly managed and of laid origin. Ditch on west side. Potentially 'important' under 1997 Hedgerow Regs.	No action required at time of survey	40+	A2
H 2006	Hawthorn (80%) Blackthorn Elder	2	*150 MS*	OM	F	Heavily flail cut and gappy hedge	No action required at time of survey	10-20	C1
H 2007	Hawthorn Blackthorn Hazel Guelder rose Field maple	2.5	*300 MS*	M	F	Dense hedge recently flailed. Ditch on east side Potentially 'important' under 1997 Hedgerow Regs.	No action required at time of survey	40+	A2
H 2008	Elder Guelder rose Hawthorn Blackthorn Ash	2	*200 MS*	M	F	Short hedge heavily suppressed by brambles and climbers	No action required at time of survey	10-20	C2
H 2009	Hawthorn Blackthorn Ash Guelder rose	2.5	*200 MS*	M	F	Past management as a laid hedge, recently flail cut	No action required at time of survey	40+	B1
H 2010	Blackthorn (90%) Guelder rose Ash Field maple Dog rose	3.5	*150 MS*	M	G	Unmanaged hedge spreading to form dense blackthorn thicket	No action required at time of survey	40+	B2
H 2011	Blackthorn (75%) Hawthorn	3	*250 MS*	M	F	Broken hedge with spreading blackthorn suckering in places	No action required at time of survey	10-20	C2
H 2012	Blackthorn Hawthorn Elder Crab apple		*350 MS*	M	F	Grown out laid hedge with sides flail cut. Dense ivy in places.	No action required at time of survey	20-40	B2
H 2013	Blackthorn Hawthorn Elder	3,5	*300 MS*	M	G	Past management as a laid hedge subsequently flail cut to form a dense hedge	No action required at time of survey	40+	B2
H 2014	Hawthorn Blackthorn Elder Dog rose Field maple Crab apple x1 Bay willow x1	5	*300 MS*	M	G	Past management as a laid hedge flail cut sides Forms a dense screen. Potentially 'important' under 1997 Hedgerow Regs.	No action required at time of survey	40+	B2
H 2015.1	Blackthorn Hawthorn	4	*200 MS*	M	F	Grown out laid hedge with some trimming of sides. Dense ivy suppresses areas	No action required at time of survey	20-40	C1
H 2015.2	Blackthorn Hawthorn	4	*200 MS*	M	F	Grown out laid hedge with some trimming of sides. Dense ivy suppresses areas	No action required at time of survey	20-40	C1
H 2016	Blackthorn Field maple Hawthorn Dog rose	3	*200 MS*	M	F	Unmanaged former laid hedge Forming dense screen in places.	No action required at time of survey	20-40	B2
H 2017	Hawthorn Elder Blackthorn Field maple Ash	3	*200 MS*	M	F	Past management as a laid hedge with occasional subsequent flail cutting but mainly unmanaged.	No action required at time of survey	10-20	C1
H 2018	Hawthorn Blackthorn Dog rose	4,5	*200 MS*	M	G	Grown out hedge with occasional gaps but generally continuous. Ditch to north	No action required at time of survey	20-40	B2
H 2019	Hawthorn Blackthorn Elder	4	*150 MS*	M	G	Grown out laid hedge forming a good quality dense hedge	No action required at time of survey	40+	B2
H 2020	Hawthorn Elder Blackthorn	1.8	*150 MS*	M	F	Regularly maintained dense low hedge	No action required at time of survey	40+	B2
H 2021	Hawthorn Elder Blackthorn	3	*200 MS*	M	G	Grown out laid hedge with sides flail cut, scrappy in places. Stream to east.	No action required at time of survey	10-20	C2
H 2022	Hawthorn Blackthorn Elder	2	*120 MS*	M	G	Dense and regularly flail cut dense hedge	No action required at time of survey	20-40	B2
H 2023	Hawthorn Elder Dog rose	3.5	*300 MS*	M	F	Broken hedge of laid hedge origin	No action required at time of survey	10-20	C2

Hedge No.	Species	Ht.	Dia. (mm)	Age Class (Y-MA-M-OM-V)	Phys. Condition (G-F-P-D)	Structural condition & Notes	Management recommendations	Ret. Span	QV Grade
H 2024	Blackthorn	2.5	*100 MS*	MA	G	Neglected hedge forming a dense thicket	No action required at time of survey	20-40	C2
H 2025	Blackthorn Elder Dog rose	4	*250 MS*	M	F	Neglected hedge forming dense screen	No action required at time of survey	20-40	B2
H 2026	Hawthorn Blackthorn Elder Dog rose Ash x1	2.5	*175 MS*	M	G	Flail cut hedge of laid origin	No action required at time of survey	20-40	B2
H 2027	Blackthorn Hawthorn Ash Dog rose Field maple	03-May	*300 MS*	M	G	Past management as a laid hedge, subsequently flail cut to form a dense hedge	No action required at time of survey	20-40	B2
H 2028	Hawthorn Blackthorn Dog rose	1.5	*200 MS*	M	F	Excessively flailed hedge with occasional gaps developing though quality improves considerably to north. Grown-out hawthorn at south end	No action required at time of survey	20-40	B2
H 2029	Hawthorn Blackthorn Ash	1.5	*250 MS*	M	F	Regularly flailed hedge with occasional gaps developing	No action required at time of survey	20-40	B2
H 2030	Hawthorn	3	*100 MS*	MA	G	Dense hedge under flail management	No action required at time of survey	40+	B2
H 2031	Hawthorn	2	*150 MS*	M	F	Past management as a laid hedge, subsequently flail cut.	No action required at time of survey	20-40	B2
H 2032	Hawthorn	1.5	*150 MS*	M	F	Heavily flail cut with small foliage area. Gaps developing throughout.	No action required at time of survey	10-20	C2
H 2033	Hawthorn Blackthorn	1.5	*100 MS*	M	F	Double row either side of a dilapidated drystone wall. Heavily flail cut.	No action required at time of survey	20-40	B2
H 2034	Hawthorn Blackthorn	2	*200 MS*	M	G	Past management as a laid hedge subsequently flail cut	No action required at time of survey	20-40	B2
H 2035	Hawthorn Blackthorn Dog rose Elder	2	*150 MS*	M	G	Dense flail cut hedge	No action required at time of survey	20-40	B2
H 2036	Blackthorn	1.5	*150 MS*	M	F	Heavily flail cut hedge occasionally sparse in places	No action required at time of survey	20-40	B2
H 2037	Hawthorn Elder Dog rose Ash	2	*200 MS*	M	F	Broken hedge. Heavily flail cut	Could be improved through planting up gaps	10-20	C2
H 2038	Hawthorn	1.5	*120 MS*	M	F	On slight bank. Broken hedge of laid origin subsequently flail cut	Could be improved through planting up gaps	20-40	C2
H 2039	Hawthorn Dog rose	2	*175 MS*	M	G	On slight bank Past management as a laid hedge, subsequently flail cut. Sparse at ground level. Occasional gaps developing	No action required at time of survey	20-40	B2
H 2040	Hawthorn Dog rose Elder	3	*200 MS*	M	G	On slight bank. Past management as a laid hedge subsequently flail cut but not recently Occasional gaps developing	Could be improved through planting up gaps	20-40	B2
H 2041	Hawthorn	3	*250 MS*	M	G	On slight bank. Past management as a laid hedge subsequently flail cut but not recently Occasional gaps developing	Could be improved through planting up gaps	20-40	B2
H 2042	Hawthorn Elm Elder	2	*150 MS*	M	P	Remnant of laid hedge	Could be improved through planting up gaps	10-20	C2
H 2043	Hawthorn Ash Elder Blackthorn	1.5-2.5	*200 MS*	M	F	Past management as a laid hedge subsequently flail cut Occasional gaps developing. Dense ivy in places	Could be improved through planting up gaps	10-20	C2
H 2044	Ash Blackthorn Elder	3	*150 MS*	M	F	Past management as a laid hedge, now scattered remnants	Could be improved through planting up gaps	5-10	R
H 2045	Hawthorn Dog rose	3.5	*100 MS*	MA	G	Well established hedge of more recent planting and not suffering from excessive management	No action required at time of survey	40+	B2
H 2046	Hawthorn Blackthorn Dog rose	4	*350 MS*	M	G	Grown out laid hedge, ivy suppressing some trees. 15m gap in central section.	Could be improved through planting up gaps	20-40	B2
H 2047	Hawthorn	3	*350 MS*	M	G	Broken hedge of substantial plants. Canopy bare below 0.5m from grazing.	Could be improved through planting up gaps	20-40	B2
H 2048	Hawthorn Blackthorn Elder Dog rose	2.5	*300 MS*	M	G	Past management as a laid hedge subsequently flail cut. Low canopy bare. Dense ivy suppressing short sections	No action required at time of survey	20-40	B2
H 2049	Hawthorn Blackthorn	3	*200 MS*	M	F	Past management as a laid hedge. Dense ivy and brambles suppressing short sections	No action required at time of survey	10-20	C2
H 2050	Hawthorn Blackthorn Elder Dog rose Ash	3.5	*250 MS*	M	G	Dense hedge of close-set stems.	No action required at time of survey	40+	A2

Hedge No.	Species	Ht.	Dia. (mm)	Age Class (Y-MA-M-OM-V)	Phys. Condition (G-F-P-D)	Structural condition & Notes	Management recommendations	Ret. Span	QV Grade
H 2051	Hawthorn Blackthorn Dog rose	3	*175 MS*	M	G	Dense hedge of close-set stems.	No action required at time of survey	40+	A2
H 2052.1	Hawthorn Blackthorn Dog rose	3	*200 MS*	M	G	Dense hedge of close-set stems.	No action required at time of survey	40+	A2
H 2052.2	Hawthorn Blackthorn Dog rose Elder Ash	3	*200 MS*	M	G	Dense hedge of close-set stems.	No action required at time of survey	40+	A2
H 2053	Hawthorn Blackthorn Dog rose Crab apple x1	5	*400 MS*	M	G	Grown out laid hedge with blackthorn suckering at base.	No action required at time of survey	20-40	A2
H 2054	Hawthorn Blackthorn Dog rose	2.5	*300 MS*	M	F	Flail cut hedge with Occasional gaps developing	Could be improved through planting up gaps	20-40	B2
H 2055	Hawthorn Dog rose Dogwood Ash Blackthorn	3.5	*120 MS*	MA	G	Dense hedge of close-set stems.	No action required at time of survey	40+	A2
H 2056	Hawthorn Dog rose	2	*300 MS*	OM	F	Broken hedge of laid hedge origin	Could be improved through planting up gaps	10-20	C2
H 2057	Hawthorn Blackthorn Dog rose Elder	4	*250 MS*	M	F	Broken hedge of laid hedge origin.	No action required at time of survey	10-20	C2
H 2058	Blackthorn	2.5	*200 MS*	M	F	Broken hedge of laid hedge origin heavily failed	No action required at time of survey	10-20	C2
H 2059	Blackthorn Hawthorn Dog rose	3.5	*150 MS*	M	G	Dense hedge of close-set stems benefitting from a lack of recent management.	No action required at time of survey	20-40	B2
H 2060	Blackthorn Dogwood Elm Field maple Hawthorn	1	*100 MS*	M	F	Flailed to death wide hedge	No action required at time of survey	10-20	C2
H 2061.1	Hawthorn Ash Dog rose Elm Elder Crab apple Blackthorn	2.5	*100 MS*	M	G	Species diverse dense hedge with regular but not excessive flail cutting. Ditch to north and east. Potentially 'important' under 1997 Hedgerow Regs.	No action required at time of survey	20-40	B2
H 2061.2	Hawthorn Ash Dog rose Elm Elder Blackthorn	2.5	*100 MS*	M	G	Species diverse dense hedge with regular but not excessive flail cutting. Ditch to north and east. Potentially 'important' under 1997 Hedgerow Regs.	No action required at time of survey	20-40	B2
H 2061.3	Hawthorn Ash Dog rose Elm Elder Blackthorn	2.5	*100 MS*	M	G	Species diverse dense hedge with regular but not excessive flail cutting. Ditch to north and east. Potentially 'important' under 1997 Hedgerow Regs.	No action required at time of survey	20-40	B2
H 2062	Hawthorn Ash Blackthorn Dogwood Dog rose	1.5	*300 MS*	M	F	Past management as a laid hedge, recently heavily flailed. Ditch on east side	No action required at time of survey	20-40	B2
H 2063	Hawthorn Blackthorn Dog rose	3.5	*300 MS*	M	G	Past management as a laid hedge, subsequently flail cut	No action required at time of survey	40+	B2
H 2064	Dog rose Hawthorn Crab apple	2	*200 MS*	M	F	Broken hedge with weak areas	No action required at time of survey	10-20	C2
H 2065	Elm (80%) Blackthorn Dog rose Ash	1.5	*300 MS*	M	F	Predominantly elm regeneration Heavily flailed.	No action required at time of survey	10-20	C2
H 2066	Ash Hawthorn Blackthorn Dog rose Field maple	2	*200 MS*	M	F	Past management as a laid hedge subsequently flail cut Dense ivy suppressing short sections. Ditch to north for some of length	No action required at time of survey	10-20	C2
H 9001	Elder, dogwood, bay willow, blackthorn, field maple, hawthorn	1.5	< 75	M	G	Regularly maintained. Occasional gaps	No action required at time of survey	40+	B2
H 9002	Elder, dogwood, bay willow, blackthorn, field maple, hawthorn	1.7	<75	M	G	Regularly maintained. Occasional gaps	No action required at time of survey	40+	B2
H 9003	Blackthorn, dog rose	1.6-1.8	200 max.	OM	P	Previously grown-out but recently very heavily cut probably beyond the point of recovery	Reassess in 2-3 years time; on recovery would be grade C2	0-5	R
H 9004	Blackthorn, hawthorn, dog rose, elder	1.7	< 75	M	G	Regularly maintained. Occasional gaps	No action required at time of survey	40+	B2
H 9005	Hawthorn, dog rose, crabapple	2	350 BF max	M/OM	F - P	Previously grown-out but recently heavily cut; crabapples generally present as trees in poor condition	No action required at time of survey	20-4-	B2
H 9006	Blackthorn, hawthorn, field maple, dog rose, elder	2.2 max	120 max	M	G	Good quality hedgerow maintained by chamfered box cut	No action required at time of survey	40+	A2
H 9007	Hawthorn, blackthorn, field maple	1.5	140	M	F - P	Previously grown-out but recently heavily cut, perhaps excessively	No action required at time of survey, though on reassessment in 2-3 year timeframe may reduce to grade C2	20-40	B2
H 9008	Blackthorn, hawthorn, elder	1.7	110	M	F	Appears to be maintained from E side as some W side elements not recently cut like the majority	No action required at time of survey (though could trim off uncut W side regrowth)	40+	B2

Hedge No.	Species	Ht.	Dia. (mm)	Age Class (Y-MA-M-OM-V)	Phys. Condition (G-F-P-D)	Structural condition & Notes	Management recommendations	Ret. Span	QV Grade
H 9009	Hawthorn, blackthorn, elder, dog rose	4.5-9	340 BF	M	G	Unmaintained – verging on group status	No action required at time of survey	40+	B2
H 9010	Hawthorn, blackthorn, field maple, hazel, dog rose	1.6-2	120 max	M	F – P	Scrappy & heavily cut; possible herbicide damage (foliar deformities noted)	No action required at time of survey	20-40	C2
H 9011	Hawthorn, blackthorn, dog rose, ash	1.5-4.5	105 max	M	G	Dense, maintained hedgerow generally >2m but with occasional clusters of ash rising above, present both as young trees and as regen following cutting	No action required at time of survey	40+	B2
H9012	Hawthorn, blackthorn, dog rose	1.7-4	120 max	M	F	Dense, maintained hedgerow generally >2m but with occasional clusters of ash and hawthorn rising above. Becomes increasingly gappy to south though in area of interest relatively dense and well-formed	No action required at time of survey	40+	B2

Data for woodlands

Wood No.	Species	Ht.	Dia. (mm)	Age Class (Y-MA-M-OM-V)	Phys. Condition (G-F-P-D)	Structural condition & Notes	Management recommendations	Ret. Span	QV Grade
W2001.1	Larch	18	400 av	MA	F	Dense plantation woodland occasional goat willow and birch on edges. Tree quality reasonable and may be harvestable depending on the market	No action required at time of survey	10-20	C2
W2001.2	Larch	18	400 av	MA	F	Dense plantation woodland occasional goat willow and birch on edges. Tree quality reasonable and may be harvestable depending on the market	No action required at time of survey	10-20	C2
W2002	Scots pine	24	580	M	G	High quality stand of pine with deciduous understory developing. Willows along edges with pine stems set 7m back from canopy edge.	No action required at time of survey	40+	A2
W2003	Larch	16	225	MA	F	Inadequately thinned plantation, remaining trees of variable quality and unlikely to yield good quality timber relative to species. Willow, birch and rowan along woodland edge	Intermediate thinning to leave open and uniform stand	10-20	C2
W2004	Larch	15	200	MA	F	Very dense plantation with tree quality suffering in the absence of a sensible thinning regime.	Intermediate thinning to leave open and uniform stand	10-20	C2
W2005	Larch Sitka spruce	8	150	Y	G	Dense recent plantation with native species along woodland edge.	No action required at time of survey	20-40	C2
W2006.1	Scots pine Sitka spruce Rowan Silver birch Holly	7	150 max	Y	G	Area of conifer regeneration with scattered native species. Good potential with appropriate future management.	No action required at time of survey	40+	C2
W2006.2	Scots pine Sitka spruce Rowan Silver birch Holly	7	150 max	Y	G	Area of conifer regeneration with scattered native species. Good potential with appropriate future management.	No action required at time of survey	40+	C2
W2006.3	Scots pine Sitka spruce Rowan Silver birch Holly Goat willow	7	150 max	Y	G	Area of conifer regeneration with scattered native species. Good potential with appropriate future management. Goat willow along woodland edge.	No action required at time of survey	40+	C2
W2007.1	Larch Hawthorn Silver birch Rowan Ash	8	140	Y	G	Very dense recent plantation. Occasional native species regeneration along woodland edge.	No action required at time of survey	40+	C2
W2007.2	Larch Hawthorn Silver birch Rowan Ash	8	140	Y	G	Very dense recent plantation. Occasional native species regeneration along woodland edge.	No action required at time of survey	40+	C2
W2008	Larch Norway spruce	18	300	M	F	Very dense plantation with tree quality suffering in the absence of a sensible thinning regime.	Intermediate thinning to leave open and uniform stand	10-20	C2
W2009	Larch Sitka spruce	14	225	MA	F	Dense stand apparently planted through lop and top of previous crop. Line thinned and tree quality between is suffering due to density. Eastern aspect lined with young native deciduous species.	Intermediate thinning to leave open and uniform stand	20-40	C2
W2010	Douglas fir Larch Sitka spruce	24	600	M	G	Homogenous stand of fine quality trees extending up a moderate slope; fir and spruce on lower slope, larch on upper slope. Some conifer and deciduous regeneration. Bracken dominant ground flora species.	No action required at time of survey	20-40	A2
W2011	Douglas fir, Scots pine, Norway spruce	19	550	M	G	Marginal shelter belt retained to west of larger area recently clear-felled and now regenerating. Provides edge definition for woodlands further east: useful landscape and sylvicultural function	No action required at time of survey	20-40	B2