

ARBORICULTURAL REPORT

for proposed development at

BIGLIS TO DINAS POWYS ACTIVE TRAVEL ROUTE

Client: Arcadis

Site Address: Land between Biglis and Dinas Powys, Vale of Glamorgan

Our Reference: S230621.1

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1 INTRODUCTION

1.1 INSTRUCTIONS

- 1.1.1. TR33 Environments have been instructed by Arcadis to provide this report in support of a planning application for the development of land near the A4055 Barry Road including along Heol Y Frienhines and St Cadoc's Avenue (hereafter referred to as 'the Site').
- 1.1.2. The purpose of this report is to provide the information necessary for Vale of Glamorgan Council to meet the duty placed upon them by s.197 of the Town and Country Planning Act 1990. This duty requires that local planning authorities 'ensure, whenever it is appropriate, that in granting planning permission for any development adequate provision is made, by the imposition of conditions, for the preservation or planting of trees'.
- 1.1.3. This report assesses the potential effects of development on trees and puts forward proposals for mitigation where appropriate. In order to avoid additional, or otherwise unforeseen adverse arboricultural impacts, it is essential that the mitigatory measures described within this report are implemented in full during site clearance and construction.

1.2 SCOPE OF REPORT

- 1.2.1. This report provides information on the arboricultural baseline and the likely arboricultural impacts associated with the construction of a shared footway/cycleway between Biglis Farm and Dinas Powys (hereafter referred to as the 'Proposed Scheme'). Details of the Proposed Scheme are provided in Appendix C:Tree Retention / Removal Plan.
- 1.2.2. The scope of this report has been determined with reference to British Standard BS 5837:2012 *Trees in relation to design, demolition and construction Recommendations* (BS 5837). It includes reference to the following:
 - A tree survey schedule.
 - An Arboricultural Impact Assessment.
 - An Arboricultural Method Statement.
 - A Tree Retention / Removal Plan.
- 1.2.3. Root protection areas (RPAs) have been identified and represent the minimum area around a tree (m²) deemed to contain sufficient roots and rooting volume to maintain a tree's viability. The RPA, initially plotted as a circle, has been adjusted to account for constraints to root growth such as retaining walls, carriageways and building foundations.

¹ British Standards Institute. 2012. *BS 5837: 2012 Trees in relation to design, demolition and construction – Recommendations*. London: BSI.



1.2.4. The BS 5837 gives recommendations and guidance on the relationship between trees and the design, demolition and construction process. It sets out the principles and procedures to be applied to achieve a harmonious and sustainable relationship between trees and structures. These recommendations and guidance have been applied throughout this report and form the basis of the Arboricultural Impact Assessment (AIA), Arboricultural Method Statement (AMS) and Tree Protection Plan (TPP).

1.3 VALIDITY PERIOD

1.3.1. Trees are dynamic organisms which are influenced by a variety of environmental variables and whose health and condition can rapidly change. Because of this any recommendations made within this report are valid for a period of 24 months from the date of survey or when any site conditions change or pruning or other works unspecified in this report are carried out to, or affecting, the subject trees, whichever is sooner.



2 BASELINE ARBORICULTURAL RESOURCE

2.1 BASELINE DATA COLLECTION

Desktop Study

- 2.1.1. A desktop study was undertaken in November 2023. The purpose of the desktop study is to identify the presence of statutory and environmental designations which may apply to arboricultural features within the study area.
- 2.1.2. The desktop study reviewed existing information available in the public domain. The sources of information presented in **Table 1** were consulted to inform the desktop study.

Table 1: Data sources used to inform the desktop study

Source	Summary
Vale of Glamorgan Council	Tree Preservation Orders and conservation areas ²
Ancient Tree Forum	Ancient and veteran trees
Natural Resources Wales	Ancient woodland

Tree Survey

- **2.1.3.** The tree survey was undertaken between December 2023 and January 2024. The survey was conducted by Alfred Slater (Arboricultural Consultant) with topographical survey data, Ordnance Survey MasterMap and aerial imagery used as base mapping.
- 2.1.4. The results of the tree survey are presented in **Appendix B: Tree Survey Schedule** and **Appendix C:Tree Retention / Removal Plan**.
- 2.1.5. The tree survey has been undertaken with reference to BS 5837. The tree survey was undertaken without reference to any site layout proposals; tree quality assessments account for health, condition and an estimated remaining contribution based on current site conditions.
- 2.1.6. Further details on the methodology used to obtain tree survey data are provided in **Appendix B: Tree Survey Methodology**.

² Vale of Glamorgan Council , 2023 . *My Maps* . [online] Available at: https://myvale.valeofglamorgan.gov.uk/myCouncil.aspx [Accessed 02 November 2023].



2.2 BASELINE ARBORICULTURAL RESOURCE

Study Area

- 2.2.1. The arboricultural study area is defined as the Proposed Scheme plus a 15m buffer. A 15m buffer has been applied as a means of ensuring compliance with BS 5837 which recommends that all trees whose Root Protection Areas (s) extend into the developable area are surveyed and any impacts subsequently assessed. The BS 5837 caps RPAs with a maximum radius of 15m.
- 2.2.2. The extent of the study area is shown in **Appendix C:Tree Retention / Removal Plan**.

Desktop Study

2.2.3. Findings from the desktop study indicate that the study area does not include any ancient and veteran trees or ancient woodland. Also, there are no conservation areas or Tree Preservation Orders.

Tree Survey

- 2.2.4. The baseline arboricultural resource comprises 168 individual trees, ten tree groups, 17 wooded areas and 29 hedges.
- 2.2.5. The baseline arboricultural resource includes 35 moderate-quality trees, seven moderate-quality wooded areas and two moderate-quality domestic hedges. It further includes 127 low-quality trees, 10 low-quality tree groups, ten low-quality wooded areas and 27 low-quality hedges. An additional six individual trees were identified as of very-low quality with anticipated retention spans of less than 10 years under current site conditions.



3 ARBORICULTURAL IMPACT ASSESSMENT

- 3.1.1. The scope of this Arboricultural Impact Assessment (AIA) has been established with reference to BS 5837 Clause 5.4 'Arboricultural Impact Assessment'. The scope of assessment is defined as including an evaluation of the direct and indirect arboricultural effects of the Proposed Scheme.
- 3.1.2. This AIA includes specific reference to the effects of any tree loss and other potentially damaging activities which would foreseeably occur in the vicinity of retained trees. Further reference is made concerning recommendations for mitigation, including those matters which require inclusion within an Arboricultural Method Statement (AMS).
- 3.1.3. The spatial relationship between surveyed trees and the Proposed Scheme is presented within Appendix C:Tree Retention / Removal Plan.

3.2 ASSUMPTIONS AND LIMITATIONS

3.2.1. This AIA is subject to the following assumptions and limitations.

Assumptions

- That where reasonably practicable, it will be possible to make minor adjustments to the Proposed Scheme where these will enable potential arboricultural impacts to be avoided or reduced. Opportunities for minor adjustments will be identified during detailed design and may include alterations to the alignment or slight reduction in width.
- The opportunities to use a tree friendly construction methodology exist on land between the
 Dinas Powys Skate Park and Heol Y Frenhines. The scope of the tree friendly construction
 techniques shall accord with recommendations included within BS 5837 and may extend to the
 use of minimal dig construction with retained permeability to air and water.

Limitations

 Until such time as a contractor is appointed, the exact details of how work will be undertaken remain unknown. This includes elements which are of relevance to trees including items such as specific working practices, the space needed for access and materials storage and the size and type of machinery which is to be used.

3.3 POTENTIAL ARBORICULTURAL IMPACTS

An assessment of potential arboricultural impacts and likely arboricultural effects associated with the Proposed Scheme is provided in Table 1. 3.3.1.

Table 2: Assessment of potential arboricultural impacts and likely arboricultural effects

Activity	Potential impact and proposed mitigation	Likely effect
	 Tree removal due to: Positioning of individual trees within the alignment of the proposed footway/cycleway, The proposed footway/cycleway encroaches substantially into the RPA of individual trees such that sustainable retention is not viable. 	The likely effects of tree removal will be slight adverse. This is because only low-quality arboricultural features will be impacted and also because only a relatively small area of trees will be removed.
	Potential adverse impacts include the loss of two low-quality common ash trees (Fraxinus excelsior) (T35 and T36), the partial removal of four low-quality mixed-broadleaved wooded areas (W335, W345, W346 and W348) and the partial removal of two low-quality mixed broadleaf tree groups (G383 and G403. In addition to two individual trees, the overall area of tree removal equates to approximately 1,306m².	Low-quality arboricultural features are those with no particular arboricultural merits and those which present few visual, conservation or cultural benefits. Also, although they have life-expectancies which exceed ten years they generally insufficiently
Construction of proposed footway/cycleway	The requirement to remove trees, wooded areas and tree groups has arisen due to the fact that they are positioned directly within the alignment of the proposed shared footway/cycleway or have RPAs which will be substantially compromised. On this basis, and in the absence of substantial changes to the alignment of the proposed footway/cycleway, there is negligible opportunity to avoid, or reduce, the overall scope of tree removals.	aged or unique so as to limit opportunities for compensation. Adverse arboricultural effects shall be mitigated through a robust programme of new tree planting. This will, over time, not only mitigate for tree removals but is also likely to generate
	Potential adverse arboricultural impacts shall be compensated for through the planting and establishment of new trees. This replacement planting will be undertaken with due regard for the multiple benefits that trees provide including habitat, landscape character, air quality and climate moderation. Planting with therefore be undertaken using native tree species and at a minimum	arboricultural benefits. Benefits will arise due to an increase in the treed area which currently exists with associated improvements from an environmental and biodiversity perspective.
	ratio of three replacement trees, or area of trees, for each one removed.	Additionally, tree removals will occur within an area of land to which there is currently no public access or obvious views from the public realm. This means that impacts to public amenity will be negligible.
		Adverse effects will therefore be temporary in nature and will transition to benefits once the replacement planting becomes established.



		A-WHENDED
Activity	Potential impact and proposed mitigation	Likely effect
Construction of proposed footway/cycleway	Construction of the proposed footway/cycleway has the potential to encroach into the RPAs of 12 moderate-quality trees, 28 features are defined as "a trisk" on the basis that their roots, and rooting environment, may become damage, these arboricultural features are defined as "a trisk" on the basis that their roots, and rooting environment, may become damage and one low-quality bredge. These arboricultural features are defined as "a trisk" on the basis that their roots, and rooting environment, may become damage and construction. Construction impacts to 'a trisk arboricultural features cannot be fully quantified by the construction was became of detailed design mingation, construction impacts could foreceably extend from a minor and/or transitory loss of physiological function to significant physiological and/or structural damage, possibly to the extent where trees become unsustainable and need to be removed. Potential adverse construction impacts could foreceably extend from a minor and/or transitory loss of physiological function to significant physiological and/or structural damage, possibly to the extent where trees percent provide identifiable and order to extend the extended the surface where the proposed footway/cycleway shall be adopted in instances where these can provide identifiable arboricultural benefits. Arboricultural benefits will in a dopted where this achievable given all applicable design constraints. The tree friendly design shall accord with recommendations included within 85 833 and will make the proposed footway/cycleway encoaches into the RA of tree which could be otherwise retained. The scope of the tree friendly design where so one low-quality wooded area, would all benefit from the adoption of a tree friendly design. Where a tree friendly design was a family and the seasoned one low-quality wooded area, would all benefit from the adoption of a tree friendly design where a propordiaturity. The sastisficant root loss cannot be discounted, then research and trees and one bordiculturity	Adverse effects associated with 'at risk' trees cannot be discounted but are unlikely to be significant. It is anticipated that adverse effects will include a loss of quality and value to some of the trees. This may be permanent in nature but in some cases will also be transitory. Permanent adverse effects will only occur in instances where trees are subject to substantial roof disturbance such that they cannot fully recover. Transitory adverse effects are more likely, and will generally occur, in instances where root disturbance is less severe and where, over time, trees recover and re-grow. Permanent adverse effects shall be mitigated through a robust programme of new tree planting. This will, over time, not only mitigate for tree removals but is also likely to generate arboricultural benefits. Benefits will arise due to an increase in the treed area which currently exists with associated improvements from an environmental and biodiversity perspective.



Activity	Potential impact and proposed mitigation	Likely effect
	Tree removal associated with the provision of access for personnel, plant, materials and storage during construction.	
	Tree removal shall be avoided wherever this is reasonably practicable. Construction access shall, wherever possible, utilise areas outside the RPA of retained trees or areas where tree removal has already occurred.	There is no foreseeable reason why additional tree removal is likely
Access during construction	Robust tree protection measures shall be deployed during construction. These will include the use of tree protection fencing, temporary ground protection and the direct arboricultural supervision of work within, or adjacent to, the RPA of any retained	to be required, subject to appropriate controls on access and the deployment of robust tree protection measures.
	Tree.	Additional adverse arboricultural effects shall therefore be avoided.
	Tree protection measures shall be specified within the AMS a draft copy of which is provided in Section 4 of this report. This document shall be reviewed and updated prior to the commencement of construction and, where applicable, be reviewed and approved by Vale of Glamorgan Council.	



3.4 SUMMARY OF ARBORICULTURAL IMPACTS AND LIKELY EFFECTS

- 3.4.1. Adverse arboricultural impacts will arise from the unavoidable requirement to remove two low-quality trees, to partially remove four low-quality wooded areas and to partially remove an additional two low-quality tree groups. Combined removals include two individual trees and approximately 1,306m² of wooded area/tree group. The likely effects of removal, without mitigation, will be slight adverse.
- 3.4.2. The removal of arboricultural features will be compensated for by the establishment of new trees at a minimum ratio of three replacement trees, or area of trees, for each one removed. This new tree planting will ensure that adverse effects are transitory in nature and will, over time, ultimately become neutral. Furthermore, increasing the area of replacement planting by a ratio of 3:1 will ultimately increase the treed area above that currently exists. This has the potential to provide additional environmental and biodiversity benefits, once the replacement trees become established.
- 3.4.3. Construction of the proposed footway/cycleway has the potential to encroach into the RPAs of 12 moderate-quality trees, 28 low-quality trees, three low-quality tree groups, two low-quality wooded areas and one low-quality hedge. These arboricultural features are defined as 'at risk' on the basis that their roots, and rooting environment, may become damaged during construction.
- 3.4.4. Potential adverse construction impacts will be avoided or minimised through a design review, with modifications made where appropriate and the adoption of tree friendly design in specific locations. Additionally, the implantation of tree management practices which favour tree retention shall also be employed where removal may otherwise occur. The measures will ensure that 'at risk' trees are not subject to significant adverse effects.
- 3.4.5. Notwithstanding, any potential adverse effects associated with 'at risk' trees shall be compensated for through the establishment of replacement planting. This planting will ultimately negate these adverse effects and has the potential to provide some net benefits.
- 3.4.6. Adverse impacts which could potentially arise during construction will be avoided through the provision of an AMS for the protection of trees. A draft copy of this AMS is provided in **Section 4** of this report.



4 ARBORICULTURAL METHOD STATEMENT (HEADS OF TERMS)

- 4.1.1. This Arboricultural Method Statement (AMS) describes, in principle, the tree protection measures that shall be applied during site clearance and construction.
- 4.1.2. This AMS is a 'living document.' This means that it shall be reviewed, and where necessary updated, in response to changes to the design and/or construction methodology. It is envisaged that this AMS will be reviewed at the following stages of design and construction:
 - Detailed design.
 - · Contractor engagement.
 - Pre-commencement.
 - Prior to any instance where the overarching site clearance or construction methodology is amended.

PHASING OF TREE PROTECTION MEASURES

- 4.1.3. It is essential that tree protection measures are phased correctly during construction. Tree protection measures shall be phased in the following manner:
 - Review likely tree removals and 'at risk' trees during detailed design and contractor engagement, reduce impacts wherever reasonably practicable.
 - 2. Undertake tree removals.
 - 3. Install tree protection fencing and ground protection, as specified within the AMS.
 - 4. Site clearance and construction.
 - 5. Remove tree protection and ground protection once all construction activities have ceased.
 - 6. Undertake mitigatory tree planting.

ARBORICULTURAL MONITORING AND SUPERVISION

4.1.4. Arboricultural monitoring and supervision shall be implemented in accordance with the following details.

Nominated Persons

- 4.1.5. The client/contractor shall appoint a Project Arboriculturist. This person shall be suitably qualified and experienced in the field of trees in relation to construction, and shall be available to:
 - Attend an initial pre-commencement meeting and supervisory visits as required.
 - Undertake site monitoring.
 - Advise on all ad-hoc arboricultural matters which may arise.



- 4.1.6. The client/contractor shall further nominate a person to be responsible for all arboricultural matters onsite. This person must:
 - Be present on site whenever work which has the potential to cause damage to retained trees is being undertaken.
 - Be aware of their arboricultural responsibilities.
 - Have the authority to stop any work that is causing or has the potential to cause harm to any
 retained tree.
 - Be responsible for ensuring that all site operatives are aware of their responsibilities toward retained trees and the consequences of any failure to observe those responsibilities.
 - Make immediate contact with the Project Arboriculturist and/or Vale of Glamorgan Council in the event of any tree related problems occurring, whether actual or potential.
- 4.1.7. Once works commence the project arboriculturist will undertake a programme of monitoring. This may include phone and email contact with the site manager, regular site visits and the direct supervision of work which has the capacity to cause damage to retained trees. The frequency of any monitoring will be determined by the intensity and proximity of works to trees and will be flexible enough to accommodate changes in the scheduling of tasks as they occur.
- 4.1.8. The project arboriculturist will maintain a record of the arboricultural monitoring. This will provide a record of compliance with any agreed tree protection measures and will assist in the efficient discharge of planning conditions where required. The Project Arboriculturist shall provide Vale of Glamorgan Council with a written record of any monitoring within five working days of it having taken place.

TREE PROTECTION FENCING

- 4.1.9. Tree protection fencing will be erected in order to create a vertical barrier which prevents damage occurring to retained trees. It shall be fit for the purpose of excluding construction activity and appropriate to the degree and proximity of work taking place around the retained tree(s). Tree protection fencing shall be adequately maintained to ensure that it remains rigid and complete.
- 4.1.10. Once erected, tree protection fencing shall not be altered or removed without the explicit approval from the Project Arboriculturist and authorisation from Vale of Glamorgan Council.
- 4.1.11. A suggested specification for the tree protection fencing is provided in Figure 1.



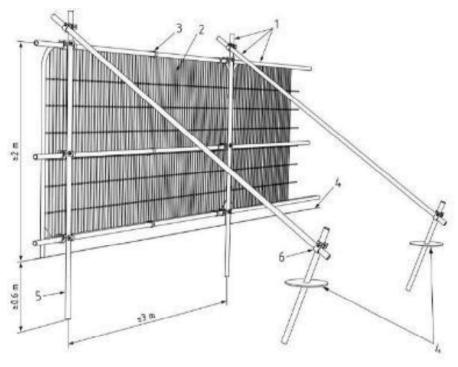


Figure 1: Suggested specification for tree protection fencing

Key to Figure 1

- 1. Standard scaffold poles.
- 2. Heavy gauge 2m tall, galvanised tube and welded mesh infill panels.
- 3. Panels secured to uprights and cross-members with wire ties.
- 4. Ground level.
- 5. Uprights driven into the ground until secure (minimum depth 0.6m).
- 6. Standard scaffold clamps.

TEMPORARY GROUND PROTECTION

4.1.12. Temporary ground protection shall be installed in any instance where construction access is required within the RPA of any retained tree, tree group or hedge. Its purpose is to create a horizontal barrier which prevents rutting or additional compaction of the underlying soil thereby protecting tree roots and the rooting environment.



- 4.1.13. Temporary ground protection shall adhere to the following specification as advised in BS 5837 paragraph 6.2.3.4:
 - For pedestrian movements only, a single thickness of scaffold boards placed either on top of a driven scaffold frame, so as to form a suspended walkway, or on top of a compression resistant layer (e.g., 100mm depth of woodchip) laid onto a geotextile membrane.
 - For pedestrian-operated plant up to a gross weight of 2t, proprietary, inter-linked ground
 protection boards placed on top of a compression-resistant layer (e.g., 150 mm depth of
 woodchip), laid onto a geotextile membrane.
 - For wheeled or tracked construction traffic exceeding 2t gross weight, an alternative system
 (e.g., proprietary systems or pre-cast reinforced concrete slabs) to an engineering specification
 designed in conjunction with arboricultural advice, to accommodate the likely loading to which
 it will be subject.
- 4.1.14. Temporary ground protection shall be installed as follows:
 - 1. Where necessary, dismantle tree protection fencing and re-erect in a secondary location around the edge of the proposed ground protection.
 - 2. Clear the area within which the ground protection is to be installed. Shrubs and other woody vegetation should be cut to ground level.
 - 3. Install ground protection to the specification provided in paragraph 4.1.14. Obtain confirmation from the Project Arboriculturist that the ground protection is acceptable.
 - 4. Ground protection shall be retained in-situ until all construction work is complete.

CONSTRUCTION OF PROPOSED FOOTWAY / CYCLEWAY WITHIN AND ADJACENT TO RPAS

- 4.1.15. All construction work shall comply with the following requirements:
 - All work shall be subject to an agreed programme of arboricultural monitoring and supervision.
 - No site preparation or construction activity shall take place until an appropriate AMS has been compiled and approved. Thereafter, all work shall be conducted in accordance with the AMS and shall not be varied without approval from the Project Arboriculturist and written consent from Vale of Glamorgan Council.



APPENDIX A: TREE SURVEY METHODOLOGY

METHODOLOGY

The tree survey was undertaken in accordance with the following methodology:

- Arboricultural features have been recorded as tree groups or wooded areas where this has been
 deemed appropriate. Tree groups and wooded areas have been recorded on the basis that they
 form distinct arboricultural features either aerodynamically, visually or because they contain
 trees of similar cultural and biodiversity value.
- The trees have been inspected using the Visual Tree Assessment methodology as developed by Mattheck and Breoler^{3.}
- The tree survey was carried out from ground level only.
- No tissue samples were taken nor was any internal investigation of the subject trees undertaken.
- Tree heights and crown spreads have been estimated to the nearest 1m.
- Notes have been recorded where they relate to the quality of the arboricultural feature.
 Management recommendations have been provided where work is necessary for the abatement of a hazard which presents an unacceptable or intolerable level of risk to persons or property.
- Stem diameters have been measured in accordance with Annex C of BS 5837. Diameters of single stem trees on level ground have been measured at 1.5m above ground level. The combined stem diameters for multi-stemmed trees have been calculated in accordance with BS 5837 paragraph 4.6.1.
- By default, Root Protection Areas (RPAs) are calculated as an area equivalent to a circle with a radius 12 times the stem diameter and are capped at a distance of 15 metres.

QUALITY ASSESSMENT

The quality of arboricultural features has been determined in accordance with BS 5837 Table 1, a summary of which is provided in **Table 1**. The purpose of the quality assessment is to enable informed decisions to be made regarding site layout, land use and design. The quality assigned to each survey item is recorded within **Appendix B: Arboricultural Survey Schedule**.

³ Mattheck, C., Breloer, H., 2006. The body language of trees. Norwich: The Stationary Office



Table 3: BS 5837:2012 Table 1 – Cascade chart for tree quality assessment

Category and definition	ition Criteria (including subcategories where appropriate)									
Trees unsuitable for	retention									
Category U Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years	expected due to collapse, inconter category U trees (e.g., volume cannot be mitigated by pruning trees that are dead or are should be colline. Trees infected with pathogen	emediable, structural defect, such that their early loss is cluding those that will become unviable after removal of where, for whatever reason, the loss of companion shelter ng) owing signs of significant, immediate, and irreversible overall as of significance to the health and/or safety of other trees rees suppressing adjacent trees of better quality 2 Mainly landscape qualities 3 Mainly cultural values, including conservation								
	1 Mainly arboricultural qualities	2 Mainly landscape qualities	_							
Category A Trees of high quality with an estimated remaining life expectancy of at least 40 years	Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semiformal arboricultural features (e.g., the dominant and/or principal trees within an avenue)	Trees, groups, or woodlands of particular visual importance as arboricultural and/or landscape features	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)							
Category B Trees of moderate quality with an estimated remaining life expectancy of at least 40 years	Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality	Trees with material conservation or other cultural value							
Category C Trees of low quality with an estimated remaining life expectancy of at least 40 years	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape benefits	Trees with no material conservation or other cultural value							



LIMITATIONS

Arboricultural survey data is typically valid for a period of two years unless otherwise stated. Significant environmental events (such as extreme weather conditions) or changes to the Site may render it invalid within a shorter timescale.

The survey has only been undertaken from land within the client's ownership, from public land or from areas where formal access has been arranged.

The position of arboricultural features not recorded on a topographical survey has been estimated using aerial imagery.

Whilst arboricultural surveys are not seasonally limited it is the case that certain pests and diseases may be more or less evident at different times of the year. This is especially true of certain wood decaying fungi such as the Giant Polypore (*Meripilus giganteus*) where fruiting bodies are short-lived, and the early stages of root decay may not result in other identifiable symptoms. Walkover survey data is therefore based upon observations made at the time of the site visit and may be subject to change should further or more detailed inspections be undertaken.

Health and Safety

This report in no way constitutes a health and safety survey. Where concerns for tree health and safety exist the necessary and appropriate tree inspections should be carried out.

Arboricultural survey data is of a preliminary nature and has been collected based on a walkover survey. Only defects visible from the ground have been noted and each individual feature may not have been inspected closely due to access difficulties, the presence of dense ivy or vegetation or safety constraints. Safety related features have recorded on the basis that the arboricultural features will be subject to a normal programme of tree hazard assessment and only those features which materially affect the quality of the feature or pose a real and immediate safety concern have been recorded.

Wildlife and Conservation

Trees have the capacity to provide habitat for species such as bats, birds, and mammals some of which may be protected under UK or European Legislation. It is a statutory offence to injure, kill or disturb any protected species or to damage or destroy their breeding site or resting place. It is also an offence to disturb any nesting bird.

Wildlife and conservation matters are beyond the scope of this report although incidental comments may be made where these are of direct relevant to the arboricultural survey or subsequent assessments. It is advised that specialist ecological advice is sought prior to any tree removal or maintenance activities; these recommendations contained within this report should be reviewed in light of any ecological constraints which may be identified.

APPENDIX B: TREE SURVEY SCHEDULE

Details of the surveyed trees are presented in Table 2; a key to the table is provided in Table 3.

123, 125, 128, 130, 131, 139, 144, 149, 151, 153, 155, 156, 158, 159, 161, 163, 165-168, 171-173, 175, 185, 189, 193-196, 199, 201-207, 209-213, 218, 220-363, 365, 368, 369, 371, 374, 375, 377, 378, 381, 385, 388, 389, 391-393, 395-398, 400-402, 404, 407-410, 412, 415, 418, 432, 433, 436, 438, 439 and 441-226, 229, 232, 235, 249, 253-257, 259-263, 266, 268, 276, 279, 281-285, 287, 289-294, 298, 300-302, 304-311, 313-334, 336-344, 347, 349-351, 355, 356, The following tree numbers have been omitted from the tree survey schedule - 1-4, 8-17, 26-34, 37-41, 44-48, 50, 51, 56-62, 66-69, 71, 72, 77, 119, 122, 446. These numbers have been omitted as they apply to arboricultural features which were initially surveyed but which are now external to the arboricultural study area.

Table 4: Tree survey schedule

	ı		
(m) SUIDAЯ AAЯ	2.3	4.4	1.8
NOTES	1	-	ı
YAOĐ∃TAD-8US	2	7	2
САТЕ ВОВУ	ပ	S	C
ESTIMATED REMAINING CONTRIBUTION	10+	10+	10+
AGE CLASS	Σ	М	M
нят	1.0	1.0	2.0
нэт	0.9	0.9	2.0
(m) махімим скоми зряеар (m)	0.9	0.9	2.0
(mm) MATIMAID MUMIXAM	ı	1	1
(mm) ЯЭТМАІД МОМІИІМ		ı	ı
(mm) STEM DIAMETER	190	367	150
(m) ТНБІЗН МОМІХАМ			ı
(m) тныэн мимиим			1
ныент (m)	5.0	5.0	5.0
SPECIES	Salix sp. (willow)	Salix sp. (willow)	Fraxinus excelsior (common ash)
TYPE	T	⊥	—
TREE NO	2	9	7

TR33 Environments



(m) SUIDAЯ A9Я	2.6	5.9	5.7	6.0	2.7	4.4	6.0	6.4
NOTES	1	1	ı	ı	1	1	ı	1
YAOĐƏTAD-BUS	2 2		2	7	2	2	2	2
үяорэтар	ပ	U U		ပ	Ω	C	U	C
ESTIMATED REMAINING CONTRIBUTION	10+	10+	10+	10+	<10	10+	10+	10+
AGE CLASS	Σ	Σ	М	М	М	M	Σ	Σ
нят	0.0	1.0	2.0	2.0	0.0	1.0	4.0	5.0
гсн	2.0	3.0	4.0	3.0	0.0	3.0	6.0	6.0
(m) МАХІМИМ СКОМИ SPREAD (m)	2.0	3.0	4.0	3.0	0.0	3.0	6.0	6.0
(mm) ABTBMAID MUMIXAM	ı	1	1	-	ı	ı	1	1
(mm) A3TMAIG MUMINIM	ı	1	1	-	ı	1	1	ı
STEM DIAMETER (mm)	220	491	477	200	224	367	200	532
(m) ТНБІЗН МОМІХАМ	1	1	1	-	ı	1		1
мімімим неібнт (m)	1	ı	-	-	1	1	ı	ı
ныент (m)	3.0	7.0	6.0	10.0	6.0	4.0	11.0	12.0
SPECIES	Crataegus monogyna 3.0 (common hawthorn) Crataegus monogyna 7.0 (common hawthorn)		Crataegus monogyna (common hawthorn)	Acer sp. (maple)	Crataegus monogyna (common hawthorn)	Crataegus monogyna (common hawthorn)	Fraxinus excelsior (common ash)	Fraxinus excelsior (common ash)
TYPE	-	—	T	1	T	T	—	⊥
TREE NO	18	19	20	21	22	23	24	25

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	0 0 0							
(m) SUIDAЯ AAЯ	4.2	3.6	1.8	3.6	4.2	6.4	4.2	3.4
NOTES	-	-	-	-	-	-	1	-
SUB-CATEGORY	1	1	2	2	2	2	2	2
САТЕGORY	2)	С	C	2)	C	С
ESTIMATED REMAINING CONTRIBUTION	10+	10+	10+	10+	10+	10+	10+	10+
AGE CLASS	М	М	М	М	М	M	Σ	Σ
нят	2.0	2.0	1.0	2.0	2.0	2.0	3.0	3.0
нэт	5.0	5.0	2.0	4.0	4.0	7.0	4.0	5.0
(m) МАХІМОМ СКОМИ SPREAD (m)	5.0	5.0	2.0	4.0	4.0	4.0		5.0
(mm) A3T3MAIQ MUMIXAM	1	ı	-	-	1	-	ı	1
(mm) ЯЭТМАІО МОМІИІМ	1	ı			1	1		1
(mm) STEM DIAMETER	350	300	150	300	350	532	350	280
(m) тныэн миміхам	-	1	1 1		1	1	1	1
мімімим неібнт (m)	-	-	-	-	-	-	ı	1
HEIGHT (m)	10.0	11.0	8.0	9.0	12.0	14.0	12.0	13.0
SPECIES	Fraxinus excelsior (common ash)	Fraxinus excelsior (common ash)	Crataegus monogyna (common hawthorn)	Salix sp. (willow)	Acer pseudoplatanus (sycamore)	Fraxinus excelsior (common ash)	Fraxinus excelsior (common ash)	Fraxinus excelsior (common ash)
TYPE	⊥	Τ	Т	T	Τ	Τ	_	Τ
TREE NO	35	36	42	43	49	52	53	54

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(m) SUIDAЯ A4Я	4.2	2.6	4.8	4.8	8.4	4.2	3.4	3.0
NOTES	,	-	-	lvy covered dead wood at the top of the canopy	-	-	-	-
YAOĐETAD-BUS	2	2	2	1	1	2	7	2
САТЕ GО В У	U	С	С	C	В	C	C	C
ESTIMATED REMAINING CONTRIBUTION	10+	10+	10+	10+	+07	10+	10+	10+
AGE CLASS	Σ	EM	Σ	Σ	Σ	Σ	EM	EM
нят	3.0	1.0	2.0	4.0	5.0	3.0	3.0	3.0
гсн	5.0	2.0	5.0	6.0	8.0	6.0	3.0	3.0
мехімим скоми зряеар (m)	5.0	2.0	5.0	6.0	8.0	6.0	3.0	3.0
(mm) MATIMAID MUMIXAM	ı	-	-	1	-	-	1	ı
(mm) A3TMAIG MUMINIM	1	1	-	ı	-		-	ı
STEM DIAMETER (mm)	350	217	400	400	700	350	283	250
(m) THEIGHT (m)	1	ı	-	ı	1		1	ı
(m) тныэн момиим	1	-	-	ı	-	-	1	ı
ныент (m)	13.0	2.0	11.0	15.0	20.0	13.0	0.7	12.0
SPECIES	Fraxinus excelsior (common ash)	Fraxinus excelsior (common ash)	Fraxinus excelsior (common ash)	Quercus robur (English oak)	Quercus robur (English oak)	Salix sp. (willow)	Fraxinus excelsior (common ash)	Alnus glutinosa (common alder)
TYPE	-	Τ	Τ	_	⊥	Τ	⊢	⊢
ТВЕЕ ИО	55	63	64	65	20	73	74	75

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						1					
(m) SUIDAЯ AAЯ	3.0	9.6	9.0	7.8	3.0	6.0	3.0	4.8	4.8	5.4	6.0
NOTES	1	-	1	ı	1	1	1	1	ı	1	1
YAOĐETAD-BUS	2	1	1	2	2	1	1	1	2	2	1
КВОБЭТА	Э	В	В	2	2	2	2)	Э))
ESTIMATED REMAINING CONTRIBUTION	10+	+07	+07	+01	+01	10+	+01	10+	+01	10+	10+
AGE CLASS	EM	М	М	М	М	Σ	Ш∃	М	М	M	М
нят	3.0	3.0	4.0	7.0	2.0	5.0	2.0	6.0	3.0	4.0	6.0
гсн	3.0	11.0	10.0	11.0	4.0	8.0	4.0	0'9	0.9	0.7	7.0
(m) МАХІМИМ СКОМИ SPREAD (m)	3.0	11.0	10.0	11.0	4.0	8.0	4.0	0.9	0.9	0.7	7.0
(mm) ABTBMAID MUMIXAM	ı	-	-	-	-	ı	-	-	-	-	-
(mm) ЯЭТМАІО МОМІИІМ	1	-	1	1	1	1	-	-	1	-	-
STEM DIAMETER (mm)	250	008	05/	059	250	200	250	400	400	450	009
(m) неівнт (m)	,	ı	1	1	1	ı	ı	ı	ı	ı	ı
(m) неібнт (m)	ı	-	-	-	-	1	-	1	-	-	-
ныент (m)	12.0	16.0	17.0	18.0	7.0	17.0	8.0	17.0	14.0	16.0	17.0
SPECIES	Alnus glutinosa (common alder)	Quercus robur (English oak)	Quercus robur (English oak)	Quercus robur (English oak)	Acer campestre (field maple)	Fagus sylvatica (common beech)	Acer campestre (field maple)	Fraxinus excelsior (common ash)	Acer campestre (field maple)	Fraxinus excelsior (common ash)	Fraxinus excelsior (common ash)
TYPE	_	T	T	T	T	_	T	1	T	1	1
TREE NO	92	78	79	80	81	82	83	84	85	98	87

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(m) SUIDAЯ A9Я	4.8	8.4	3.6	5.3	0.9	4.0	8.9	4.3	5.9	3.7	0.9	4.4	9.6
() Sind va vaa	4	∞	cc C	5	9	4	8	4	2	3	9	4	2
NOTES		ı	ı	ı	1	-	-	1	ı	1	1	-	1
YAOĐETAD-BUS	2	2	2	2	1	1	1	1	1	1	1	1	1
Ү ӨӨЕТАЭ	၁	C	C	2	В	2)	C	С	C	C	С	С
ESTIMATED REMAINING CONTRIBUTION	10+	10+	10+	10+	70+	10+	10+	10+	10+	10+	10+	10+	10+
AGE CLASS	Σ	Σ	Σ	M	М	ШЭ	М	EM	MS	EM	М	EM	Σ
нят	3.0	4.0	1.0	4.0	0.9	3.0	4.0	2.0	2.0	2.0	7.0	2.0	5.0
гсн	5.0	8.0	2.0	7.0	10.0	5.0	7.0	3.0	2.0	3.0	0.9	3.0	6.0
мехімим скоми зряеар (m)	5.0	8.0	2.0	7.0	10.0	5.0	7.0	3.0	2.0	3.0	0.9	3.0	6.0
(mm) MATIMAID MUMIXAM		1	1	1	-		-		ı	1	ı	-	-
(mm) A3TMAIG MUMINIM		1	1	1	-	-	-	ı	ı	ı	1	1	-
STEM DIAMETER (mm)	400	669	300	440	200	330	745	360	240	310	200	370	470
(m) THEIGHT (m)	,	1	ı	1	-	1	1	1	ı	1	ı	ı	1
(m) неібнт (m)	,	1	ı	-	-	1	-	ı	ı	1	ı	ı	ı
HEIGHT (m)	14.0	17.0	5.0	15.0	17.0	9.0	15.0	0.9	8.0	0.9	17.0	9.0	15.0
SPECIES	Acer campestre (field maple)	Fraxinus excelsior (common ash)	Crataegus monogyna (common hawthorn)	Fraxinus excelsior (common ash)	Quercus robur (English oak)	Tilia sp. (lime)	Salix caprea (goat willow)	Tilia sp. (lime)	Pyrus sp. (pear)	Tilia sp. (lime)	Quercus robur (English oak)	Tilia sp. (lime)	Tilia sp. (lime)
TYPE	F	—	—	⊥	T	1	T	_	⊥	_	_	⊥	⊥
TREE NO	88	89	06	91	6	93	94	95	96	97	86	66	100

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(m) SUIDAЯ A4Я	4.7	4.7	5.2	5.6	4.3	3.4	3.6	2.9	3.7	4.9	8.3	4.1
NOTES				1	ı	1	-	1	-	1	1	-
YAOĐETAD-BUS	1	1	1	1	1	1	1	1	1	1	Н	1
Ү ЯОÐЭТАЭ	ပ	၁	ပ	C	C	n	C	n	C	C	В	C
ESTIMATED REMAINING CONTRIBUTION	10+	10+	10+	+01	+01	<10	10+	<10	10+	10+	20+	10+
AGE CLASS	EM	EM	EM	Σ	EM	MS	EM	SM	EM	EM	Σ	EM
нят	2.0	2.0	0.9	2.0	0.9	2.0	3.0	2.0	3.0	3.0	4.0	2.0
нэт	4.0	4.0	4.0	0.9	4.0	2.0	4.0	2.0	4.0	5.0	11.0	4.0
(m) МАХІМИМ СКОМИ SPREAD (m)	4.0	4.0	4.0	0.9	4.0	2.0	4.0	2.0	4.0	5.0	11.0	4.0
(mm) ABTBMAID MUMIXAM	ı	ı	ı	ı	1	1	1	ı	1	1	1	
(mm) ЯЭТМАІО МОМІИІМ					-		-		-	1	ı	-
STEM DIAMETER (mm)	390	390	430	470	360	280	300	240	307	410	889	340
(m) ТНБІЗН МUМІХАМ				ı	ı	1	ı	ı	ı	1	1	1
(m) тныэн момиим				ı	ı	,	1	ı	1	1	1	1
ныент (m)	10.0	10.0	12.0	14.0	10.0	4.0	0.6	4.0	8.0	11.0	19.0	11.0
SPECIES	Acer campestre (field maple)	Acer campestre (field maple)	Tilia sp. (lime)	Acer campestre (field maple)	Tilia sp. (lime)	Unknown	Acer saccharinum (silver maple)	Unknown	Acer saccharinum (silver maple)	Acer saccharinum (silver maple)	Fraxinus excelsior (common ash)	Tilia sp. (lime)
ТҮРЕ	_	T	_	T	T	T	1	T	1	_	_	_
TREE NO	101	102	103	104	105	106	107	108	109	110	111	112

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(m) SUIDAЯ AAЯ	4.7	4.7	4.8	7.4	4.9	5.3	4.7	9.9	4.8
NOTES	1	ı		-	1	1	ı	1	-
SUB-CATEGORY	1	1	1	1	2	1	1	7	1
Ү ӨӨЕТАЭ	C	2	2	В	2	Э	2	2	С
ESTIMATED REMAINING CONTRIBUTION	10+	10+	10+	20+	10+	10+	10+	10+	10+
AGE CLASS	EM	EM	EM	Σ	M	EM	EM	M	EM
нят	3.0	4.0	3.0	3.0	5.0	4.0	4.0	4.0	4.0
гсн	4.0	4.0	5.0	11.0	8.0	5.0	5.0	10.0	5.0
(ш) дазяче имояр миміхам	4.0	4.0	5.0	11.0	8.0	5.0	5.0	10.0	5.0
(mm) A3T3MAIQ MUMIXAM	ı	ı	-	1	-	ı	1	ı	1
(mm) A3TMAIG MUMINIM	1	1	-	-	1	ı	1	1	ı
STEM DIAMETER (mm)	390	390	400	620	410	440	390	552	400
(m) тныэн миміхам	1	ı	1	1	ı	ı	1	-	ı
(m) неівнт (m)	1	1	-	-	1	ı	1	-	ı
HEIGHT (m)	11.0	11.0	14.0	16.0	16.0	12.0	11.0	17.0	11.0
SPECIES	Acer saccharinum (silver maple)	Acer saccharinum (silver maple)	Tilia sp. (lime)	Quercus robur (English oak)	Fraxinus excelsior (common ash)	Acer saccharinum (silver maple)	Acer saccharinum (silver maple)	Fraxinus excelsior (common ash)	Acer saccharinum (silver maple)
ТҮРЕ	-	Τ	⊢	⊢	T	Τ	T	_	⊢
TREE NO	113	114	115	116	117	118	120	121	124

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(m) SUIDAЯ AAЯ	5.4	4.1	7.3	5.8	5.9	4.6	7.2	5.9	6.0	5.4
NOTES	1	-	•	Pollarded tree	ı	-	-	-	ı	
YAOĐETAD-BUS	1	1	2	2	2	2	2	2	2	2
УЯО БЭТАО	C	С	В	С	C	С	В	С	C	С
ESTIMATED REMAINING CONTRIBUTION	10+	10+	50+	10+	10+	10+	50+	10+	10+	10+
AGE CLASS	EM	EM	М	М	M	М	M	М	M	M
нят	3.0	2.0	4.0	3.0	0.9	5.0	4.0	9.0	9.0	5.0
гсн	5.0	4.0	0.9	6.0	3.0	3.0	10.0	4.0	0.9	7.0
(ш) МАХІМИМ СКОМИ ЅРREAD (ш)	5.0	4.0	0.9	6.0	3.0	3.0	10.0	4.0	6.0	7.0
(mm) ABTBMAID MUMIXAM	ı	-	1	-	ı	-	-	-	ı	1
(mm) ЯЭТМАІО МОМІИІМ	ı	-		-	-	-	-	-	-	ı
STEM DIAMETER (mm)	450	344	610	480	490	380	009	490	200	450
(m) ТНБІЗН МUМІХАМ	1	-	1	-	-	-	-	-	-	1
(m) тныэн мимиим	1	-		-	-	-	-	-	-	1
неіент (m)	13.0	7.0	16.0	8.0	14.0	13.0	16.0	14.0	15.0	13.0
SPECIES	Acer saccharinum (silver maple)	Tilia sp. (lime)	Quercus robur (English oak)	Quercus robur (English oak)	Fraxinus excelsior (common ash)	Fraxinus excelsior (common ash)	Quercus robur (English oak)	Fraxinus excelsior (common ash)	Fraxinus excelsior (common ash)	Fraxinus excelsior (common ash)
TYPE	—	T	_	T	_	Τ	Τ	Τ	_	ь
TREE NO	126	127	129	132	133	134	135	136	137	138

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(m) SUIDAЯ A9Я	5.3	8.1	8.0	6.2	3.4	5.9	6.5	3.4	4.9	4.5	5.4	5.2	4.6
NOTES		1	•	•	1	ı	-	•	-	-	1	-	•
SUB-CATEGORY	2	2	7	2	2	2	2	2	2	2	2	1	1
САТЕ GО В У	၁	ပ	2	В	၁	U	В	၁	С	C	၁	В	В
ESTIMATED REMAINING CONTRIBUTION	10+	10+	10+	20+	10+	10+	20+	10+	10+	10+	10+	20+	20+
AGE CLASS	EM	EM	М	М	MS	Σ	М	MS	М	М	М	EM	EM
нят	2.0	2.0	2.0	2.0	1.0	3.0	2.0	1.0	1.0	1.0	2.0	3.0	2.0
гсн	5.0	5.0	6.0	8.0	4.0	6.0	9.0	3.0	4.0	3.0	0.9	5.0	4.0
мехімим скоми зряеар (m)	5.0	5.0	6.0	8.0	4.0	6.0	9.0	3.0	4.0	3.0	0.9	5.0	4.0
(mm) ABTBMAID MUMIXAM	-		-	-		ı	1		-	ı	1	-	-
(mm) ЯЭТМАІО МОМІИІМ	-	-	-	-	ı	ı	-	-	-	-	-	-	-
STEM DIAMETER (mm)	439	229	674	520	280	490	540	280	410	376	450	430	380
(m) тныэн мимихам	-	-	-	-	1	ı	1	-	-	ı		-	-
(m) неівнт (m)	-	-	-	-	-	ı	-	-	-	-	-	-	-
ныент (m)	9.0	11.0	12.0	14.0	9.0	14.0	14.0	11.0	11.0	8.0	11.0	11.0	12.0
SPECIES	Acer campestre (field maple)	Acer campestre (field maple)	Acer campestre (field maple)	Quercus robur (English oak)	Tilia sp. (lime)	Fraxinus excelsior (common ash)	Quercus robur (English oak)	Tilia sp. (lime)	Tilia sp. (lime)	Crataegus monogyna (common hawthorn)	Acer campestre (field maple)	Tilia sp. (lime)	Tilia sp. (lime)
TYPE	_	F	T	T	T	—	T	T	T	T	T	T	Τ
TREE NO	140	141	142	143	145	146	147	148	150	152	154	157	160

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(m) SUIDAЯ A4Я	9.9	5.2	5.2	3.7	5.2	6.1	5.2	7.4	1.8	5.2	1.8
NOTES			•		1	1	ı	1	Dead	-	ı
YAOĐETAD-BUS	1	1	1	2	1	2	1	1	1	1	2
УЯО БЭТАЭ	U	В	В	۲	В	ပ	В	В	n	В	С
ESTIMATED REMAINING CONTRIBUTION	10+	20+	70+	10+	20+	10+	70+	20+	<10	20+	10+
AGE CLASS	Σ	EM	EM	М	EM	Σ	EM	Σ	SM	EM	Υ
нал	5.0	3.0	3.0	2.0	3.0	2.0	3.0	3.0	2.0	3.0	1.0
гсн	6.0	5.0	5.0	4.0	5.0	7.0	5.0	8.0	1.0	5.0	2.0
(m) МАХІМИМ СКОМИ SPREAD (m)	6.0	5.0	5.0	4.0	5.0	7.0	5.0	8.0	1.0	5.0	2.0
(mm) ABTBMAID MUMIXAM	ı		-	1		1	-	ı	ı	-	ı
(mm) A3TMAIG MUMINIM	ı	1	-	1	1	1	-	ı	1	1	ı
STEM DIAMETER (mm)	547	430	430	310	430	510	430	620	150	430	149
(m) ТНБІЗН МUМІХАМ	1			1		ı		,	-	-	-
(m) тныэн мимиим	ı		-	-		1	-		-	-	-
неіент (m)	15.0	11.0	11.0	10.0	11.0	16.0	11.0	16.0	2.0	11.0	2.0
SPECIES	Fraxinus excelsior (common ash)	Tilia sp. (lime)	Tilia sp. (lime)	Acer campestre (field maple)	Tilia sp. (lime)	Fraxinus excelsior (common ash)	Tilia sp. (lime)	Quercus robur (English oak)	Crataegus monogyna (common hawthorn)	Tilia sp. (lime)	Crataegus monogyna (common hawthorn)
TYPE	-	Τ	T	T	Τ	_	Τ	T	Τ	T	Τ
ТВЕЕ ИО	162	164	169	170	174	176	177	178	179	180	181

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(m) SUIDAЯ A9Я	2.7	4.4	5.9	5.2	6.4	0.9	3.2	8.5
NOTES	1	7	1	1	-	-	1	-
SUB-CATEGORY	2	2	2	2	2	2	2	1
САТЕ GО В У	U	C	C	U	C	C	C	C
ESTIMATED REMAINING CONTRIBUTION	10+	10+	10+	10+	10+	10+	10+	10+
AGE CLASS	SM	EM	EM	Σ	M	M	MS	М
нят	1	1.0	3.0	2.0	1.0	2.0	1.0	2.0
гсн	1.0	6.0	5.0	7.0	4.0	6.0	2.0	5.0
(m) МАХІМИМ СROWN SPREAD (m)	1.0	6.0	5.0	7.0	4.0	6.0	2.0	5.0
(mm) A3T3MAIG MUMIXAM	ı	1	1	1	ı	1	1	ı
(mm) A3TMAIG MUMINIM	1	-	1	1	1	1	-	i
STEM DIAMETER (mm)	228	368	492	434	532	200	264	712
(m) ТНЕІӨНТ (m)	1	1	ı	1	ı	ı	1	ı
МІИІМОМ НЕІGHT (m)	1	-	1	1	1	1	1	ı
ныент (m)	2.0	4.0	9.0	10.0	9.0	10.0	5.0	14.0
SPECIES	Crataegus monogyna (common hawthorn)	Crataegus monogyna (common hawthorn)	Crataegus monogyna (common hawthorn)	Fraxinus excelsior (common ash)	Crataegus monogyna (common hawthorn)	Fraxinus excelsior (common ash)	Fraxinus excelsior (common ash)	Acer pseudoplatanus (sycamore)
ТҮРЕ	—	_	_	—	⊢	_	_	Τ
ТВЕЕ ИО	182	183	184	186	187	188	190	191

TR33 Environments Arboricultural Assessment - Biglis to Dinas Powys Active Travel Route



(m) SUIDAЯ A9Я	1.9	7.3	4.7	4.7	3.6	0.9	1.8	2.2	3.9	2.4	2.5	3.4
			7	7	(1)	9		. 7	(1)			(1)
NOTES	'	1	1	-	1	1	-	ı	ı	ı	ı	1
YAOĐETAD-BUS	1	1	1	1	1	П	1	1	1	1	1	1
үяорэтар	n	၁	ပ	C	С	В	2	C	C	C	C	C
ESTIMATED REMAINING CONTRIBUTION	<10	10+	10+	10+	10+	20+	10+	10+	10+	10+	10+	10+
AGE CLASS	EM	Σ	Ν	М	M	M	Ш	Ш∃	ШЭ	MS	E- M	EM
нөт	1.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0
гсн	2.0	0.9	5.0	5.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
мехімим скоми зряеар (m)	2.0	0.9	5.0	5.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
(mm) A3T3MAIG MUMIXAM	,		ı	-	-	1	-		ı	ı	ı	-
(mm) MATMAIG MUMINIM			ı	-	-	1	-	-	ı	-	ı	ı
STEM DIAMETER (mm)	159	809	390	390	300	200	150	180	324	200	210	280
(m) тныэн миміхам					-	ı			1		-	-
(m) тныэн мимиим				-	-	ı					-	-
ныент (m)	3.0	12.0	11.0	11.0	4.0	14.0	3.0	4.0	6.0	4.0	5.0	0.9
SPECIES	Malus sp. (apple)	Acer campestre (field maple)	Acer campestre (field maple)	Acer campestre (field maple)	Malus sp. (apple)	Cupressus macrocarpa (Monterey cypress)	Sorbus aucuparia (Rowan)	Sorbus aucuparia (Rowan)	Pittosporum tenifolium	Sorbus aucuparia (Rowan)	Sorbus aucuparia (Rowan)	Sorbus aucuparia (Rowan)
TYPE	L	F	_	T	T	—	T	1	T	T	T	⊢
TREE NO	192	197	198	200	208	214	215	216	217	219	227	228

TR33 Environments Arboricultural Assessment - Biglis to Dinas Powys Active Travel Route



					ĺ			
(m) SUIDAЯ AAЯ	8.4	3.5	2.4	8.4	4.4	4.7	7.8	7.8
NOTES	ı	ı	ı	1		1	ı	1
SUB-CATEGORY	1	1	1	1	1	1	1	1
КВОБЭТА	В	S	S	В	ပ	В	В	В
ESTIMATED REMAINING CONTRIBUTION	20+	10+	10+	20+	10+	20+	20+	20+
AGE CLASS	Σ	EM	Σ	Σ	Σ	Σ	Σ	Σ
нят	4.0	2.0	0.0	4.0	2.0	2.0	4.0	4.0
гсн	8.0	3.0	2.0	8.0	3.0	4.0	8.0	8.0
(m) МАХІМИМ СКОМИ SPREAD (m)	8.0	3.0	2.0	8.0	3.0	4.0	8.0	8.0
(mm) ABTBMAID MUMIXAM	1	-	-	1	1		ı	ı
(mm) ЯЭТМАІД МОМІИІМ	ı	-	1	ı	ı	1	1	1
STEM DIAMETER (mm)	700	290	200	700	370	390	650	650
(m) ТНБІЗН МОМІХАМ	1			1	1		ı	1
(m) тнынимимимим	ı			1	1		I	1
ныент (m)	19.0	7.0	4.0	19.0	6.0	7.0	19.0	19.0
SPECIES	Salix x sepulcralis 'Chrysocoma' (weeping willow)	Sorbus aucuparia (Rowan)	Cupressus sp. (cypress)	Salix x sepulcralis 'Chrysocoma' (weeping willow)	Sorbus aucuparia (Rowan)	Prunus sp. (cherry)	Salix x sepulcralis 'Chrysocoma' (weeping willow)	Salix x sepulcralis 'Chrysocoma' (weeping willow)
TYPE	F	_	⊢	Ь	—	_	⊢	⊢
TREE NO	230	231	233	234	236	237	238	239

TR33 Environments



		_	10	~	~	~	7)	-	~
(m) SUIDAЯ AAЯ	3.0	5.7	2.5	6.3	6.2	7.8	5.2	4.9	8.4	7.8
NOTES	ı	-	ı	•	Dead stems	•	-	-	ı	1
SUB-CATEGORY	1	1	1	1	1	1	1	1	1	1
CATEGORY	В	С	C	၁	⊃	В	В	С	В	В
ESTIMATED REMAINING CONTRIBUTION	20+	10+	10+	10+	<10	+07	+07	+01	50+	20+
AGE CLASS	EM	Σ	MS	EM	Σ	Σ	Μ	EM	Σ	Σ
нят	1.5	0.0	1.0	3.0	0.0	2.0	4.0	1.0	4.0	4.0
нэт	2.0	2.0	1.0	4.0	0.0	5.0	6.0	2.0	8.0	8.0
(m) махімим скоми зряеар (m)	2.0	2.0	1.0	4.0	0.0	5.0	6.0	2.0	8.0	8.0
(mm) ABTBMAID MUMIXAM	ı	-	1	1	1	-	-	-	t	ı
(mm) A3TMAIG MUMINIM	ı	-	1	-	-	-	-	-	ı	1
STEM DIAMETER (mm)	250	474	207	526	517	652	430	410	700	650
(m) ТНБІЗН МОМІХАМ	ı	-	1	1	ı	1	-	-	ı	ı
МІИІМОМ НЕІGHT (m)	ı	-	1	1	ı	-	-	-	ı	ı
HEIGHT (m)	4.0	5.0	3.0	8.0	3.0	10.0	13.0	6.0	19.0	16.0
SPECIES	Acer sp. (maple)	Crataegus monogyna (common hawthorn)	Phoenix canariensis (Canary palm)	Betula pendula (silver birch)	Cupressus sp. (cypress)	Eucalyptus sp. (eucalyptus)	Betula pendula (silver birch)	Acer sp. (maple)	Salix x sepulcralis 'Chrysocoma' (weeping willow)	Salix x sepulcralis 'Chrysocoma' (weeping willow)
TYPE	_	Τ	_	⊢	⊢	_	Τ	T	—	—
ON 33AT	240	241	242	243	244	245	246	247	248	250

TR33 Environments



		1	1					
(m) SUIDAЯ AAЯ	7.8	7.8	3.6	3.0	4.6	6.3	11.2	3.4
NOTES	,	1	-	1	1	1	1	1
YAOĐETAD-BUS	1	1	1	1	1	1	1	1
САТЕ GО В У	Δ.	Δ	C)	C	C	C	С
ESTIMATED REMAINING CONTRIBUTION	20+	20+	10+	+01	10+	10+	10+	10+
AGE CLASS	Σ	Σ	Σ	EM	EM	Σ	Σ	EM
нят	4.0	4.0	1.0	1.0	2.0	2.0	1.0	1.0
гсн	8.0	8.0	2.0	3.0	2.0	0.9	0.9	3.0
(m) МАХІМИМ СКОМИ SPREAD (m)	8.0	8.0	2.0	3.0	2.0	0.9	0.9	3.0
(mm) ABTBMAID MUMIXAM	1	1	-	-	-	-	-	-
(mm) A3TMAIG MUMINIM	ı	ı	1	-	1	1	1	-
STEM DIAMETER (mm)	650	650	300	250	380	523	933	280
(m) THEIGHT (m)	1	ı	ı	-	ı	1	1	-
(m) неібнт (m)	1	ı	ı	-	1	-	1	-
ныент (m)	19.0	19.0	6.0	5.0	8.0	8.0	13.0	5.0
SPECIES	Salix x sepulcralis 'Chrysocoma' (weeping willow)	Salix x sepulcralis 'Chrysocoma' (weeping willow)	Prunus sp. (cherry)	Prunus sp. (cherry)	Aesculus hippocastanum (horse chestnut)	Fraxinus excelsior (common ash)	Fraxinus excelsior (common ash)	Crataegus monogyna (common hawthorn)
TYPE	⊢	⊢	⊥	1	⊢	_	_	⊢
TREE NO	251	252	258	264	265	267	269	270

TR33 Environments Arboricultural Assessment - Biglis to Dinas Powys Active Travel Route



(111) 00101111111	_	7:	6	2	4	0.		4	<u></u>
(m) SUIDAR A9R	1.7	10.7	4.9	4.2	5.4	10.0	1.7	3.4	4.8
NOTES	ı	ı	•	ı	-	-	1	ı	Obscured by Ivy cover and on private land
YAOĐETAD-BUS	1	1	1	1	1	2	2	2	2
КВОБЭТА	C)	В	C	В	В)	C	C
ESTIMATED REMAINING CONTRIBUTION	10+	10+	20+	10+	70+	20+	10+	10+	10+
AGE CLASS	>	Σ	Σ	Σ	Σ	Σ	٨	EM	Σ
нят	0.0	1.0	2.0	1.0	2.0	1.0	0.0	4.0	1.0
гсн	3.0	8.0	0.9	5.0	0.9	6.0	3.0	2.0	5.0
(m) махімим скоми зряеар (m)	3.0	8.0	6.0	5.0	0.9	6.0	3.0	2.0	5.0
(mm) ABTBMAID MUMIXAM	ı	1	1	ı		-	1	1	ı
(mm) ЯЭТМАІО МОМІИІМ	ı	1	ı	ı	ı	-	1	ı	ı
STEM DIAMETER (mm)	145	895	410	350	450	831	145	280	400
(m) тныэн миміхам	ı	1	1	ı		-	1	1	ı
МІИІМОМ НЕІGHT (m)	ı	-	1	1	ı	-	-	ı	ı
ныбнт (m)	3.0	16.0	10.0	8.0	10.0	10.0	3.0	7.0	14.0
SPECIES	Corylus avellana (common hazel)	Fraxinus excelsior (common ash)	Acer campestre (field maple)	Acer campestre (field maple)	Acer campestre (field maple)	Corylus avellana (common hazel)	Corylus avellana (common hazel)	Acer pseudoplatanus (sycamore)	Salix sp. (willow)
ЭФУТ	—	T	_	_	⊢	T	T	—	Ь
TREE NO	271	272	273	274	275	772	278	280	286

TR33 Environments Arboricultural Assessment - Biglis to Dinas Powys Active Travel Route



	_	10	10	-	01	<u> </u>	_
(m) SUIDAЯ A4Я	1.7	8.5	7.5	4.4	4.2	6.2	8.7
NOTES	•	ı	-	ı	ı	ı	-
SUB-CATEGORY	2	2	2	2	2	7	2
CATEGORY	С	В	С	C	C	C	С
ESTIMATED REMAINING CONTRIBUTION	10+	70+	10+	10+	10+	10+	10+
AGE CLASS	λ	M	М	EM	EM	M	Σ
Н81	0.0	2.0	1.0	1.0	4.0	2.0	4.0
гсн	3.0	6.0	3.0	4.0	5.0	8.0	0.9
(m) махімим скоми зряеар	3.0	6.0	3.0	4.0	5.0	8.0	6.0
(mm) MAXIMUM DIAMETER (mm)	-	ı	-	-	1	ı	-
(mm) ЯЭТМАІО МОМІИІМ	-	-	-	-	1	1	-
(mm) STEM DIAMETER	145	712	625	370	350	520	724
(m) неівнт (m)	-	ı	-	1	ı	ı	-
(m) неівнт (m)	-	1	-	-	1	1	-
HEIGHT (m)	3.0	11.0	8.0	14.0	10.0	16.0	16.0
SPECIES	Corylus avellana (common hazel)	Corylus avellana (common hazel)	Crataegus monogyna (common hawthorn)	Acer pseudoplatanus (sycamore)	Fraxinus excelsior (common ash)	Fraxinus excelsior (common ash)	Fraxinus excelsior (common ash)
TYPE	Τ	T	Τ	T	1	1	Τ
TREE NO	288	295	296	297	299	303	312

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		_	_ 1
(m) SUIDAЯ АЯЯ	3.6	3.0	3.0
NOTES			•
SUB-CATEGORY	2	2	2
САТЕGORY	С	C	С
ESTIMATED REMAINING CONTRIBUTION	10+	10+	10+
AGE CLASS	Σ	Σ	Σ
нал	1.0	1.0	1.0
нэт	1.0	1.0	1.0
мехімим скоми зркеар (m)	3.0	2.0	2.0
(mm) MAXIMUM DIAMETER (mm)	300	250	250
(mm) МІИІМОМ DIAMTER (mm)	75	75	75
STEM DIAMETER (mm)	ı	1	1
(m) ТНБІЗН МОМІХАМ	14.0	8.0	8.0
(m) неівнт (m)	5.0	1.0	1.0
ныент (m)	ı	ı	1
SPECIES	Betula sp. (birch), Salix sp. (willow), Fraxinus excelsior (common ash)	Crataegus monogyna (common hawthorn), Acer campestre (field maple), Fraxinus excelsior (common ash)	Crataegus monogyna (common hawthorn), Acer campestre (field maple), Fraxinus excelsior (common ash)
ТҮРЕ	M	M	>
TREE NO	335	345	346

TR33 Environments Arboricultural Assessment - Biglis to Dinas Powys Active Travel Route



(m) SUIDAЯ AAЯ	2.4	3.6
NOTES	-	1
YAOĐETAD-BUS	2	2
САТЕ ВОВУ	C	В
ESTIMATED REMAINING CONTRIBUTION	10+	20+
AGE CLASS	Σ	Σ
нят	1.0	1.0
нэт	1.0	1.0
(m) пазяче имояр миміхам	2.0	3.0
(mm) MAXIMUM DIAMETER (mm)	200	300
(mm) ЯЭТМАІО МОМІИІМ	75	75
(mm) STEM DIAMETER (mm)	-	1
(m) неієнт (m)	5.0	10.0
(m) неівнт (m)	1.0	1.0
ныбнт (m)	1	1
SPECIES	Crataegus monogyna (common hawthorn), Acer campestre (field maple), Fraxinus excelsior (common ash), Acer pseudoplatanus (sycamore)	Alnus glutinosa (common alder), Acer campestre (field maple), Acer pseudoplatanus (sycamore), Crataegus monogyna (common hawthorn), Corylus avellana (common hazel)
TYPE	%	*
TREE NO	348	352

TR33 Environments Arboricultural Assessment - Biglis to Dinas Powys Active Travel Route



(m) SUIDAЯ AAЯ	2	4	0			
(س) عاالطاه المعالدة (س)	4.2	5.4	3.0			
NOTES	-	1				
SUB-CATEGORY	2	2	2			
CATEGORY	В	В	U			
ESTIMATED REMAINING CONTRIBUTION	20+	20+	10+			
AGE CLASS	Σ	Σ	Σ			
нал	1.0	1.0	1.0			
нэт	1.0	1.0	1.0			
(m) пазяче имояр миміхам	3.0	3.0				
(mm) A3T3MAIQ MUMIXAM	350	450	250			
(mm) ЯЭТМАІО МОМІИІМ	75	75	75			
STEM DIAMETER (mm)	1	1				
(m) тныэн миміхам	10.0	14.0	7.0			
Мімімим неібнт (m)	1.0	2.0	3.0			
HEIGHT (m)	1	1	ı			
SPECIES	Acer pseudoplatanus (sycamore), Acer campestre (field maple), Fraxinus excelsior (common ash), Crataegus monogyna (common hawthorn), Alnus glutinosa (common alder)	Acer pseudoplatanus (sycamore), Fraxinus excelsior (common ash), Alnus glutinosa (common alder), Aesculus hippocastanum (horse chestnut)	Acer campestre (field maple), Crataegus monogyna (common hawthorn)			
TYPE	≯	3 3				
TREE NO	353	354	357			

TR33 Environments Arboricultural Assessment - Biglis to Dinas Powys Active Travel Route



	İ		
(m) SUIDAЯ AAЯ	3.6	4.2	4.2
NOTES	1	Also includes sycamore and large portions of dense bramble	ı
SUB-CATEGORY	2	2	2
САТЕ GО В У	U	В	В
ESTIMATED REMAINING CONTRIBUTION	10+	20+	20+
AGE CLASS	Σ	Σ	Σ
нал	1.0	1.0	1.0
гсн	1.0	1.0	1.0
махімим скоми зряеар (m)	4.0	2.0	2.0
(mm) ABTBMAID MUMIXAM	300	350	350
(mm) A3TMAIG MUMINIM	75	100	75
STEM DIAMETER (mm)	1	1	1
(m) ТНБІЗН МОМІХАМ	11.0	12.0	11.0
мімімим неіснт (m)	1.0	2.0	3.0
ныент (m)	1	1	ı
SPECIES	Fraxinus excelsior (common ash), Acer pseudoplatanus (sycamore), Sambucus nigra (elder), Alnus glutinosa (common alder)	Acer campestre (field maple), Fraxinus excelsior (common ash), Alnus glutinosa (common alder), Crataegus monogyna (common hawthorn), Quercus robur (English oak)	Acer campestre (field maple), Fraxinus excelsior (common ash), Quercus robur (English oak)
TYPE	g	>	>
TREE NO	358	359	360

TR33 Environments



				. 1
(m) SUIDAЯ AAЯ	7.8	5.4	3.6	2.4
NOTES	,	1	-	
SUB-CATEGORY	2	2	2	2
САТЕ GОВУ	В	U	C	U
ESTIMATED REMAINING CONTRIBUTION	20+	10+	10+	10+
AGE CLASS	Σ	Σ	Σ	EM
нал	2.0	2.0	1.0	1.0
нэт	2.0	2.0	1.0	1.0
(m) дазяче и мояр миміхам	5.0	5.0	4.0	2.0
(mm) ABTBMAIG MUMIXAM	920	450	300	200
(mm) ЯЭТМАІО МОМІИІМ	75	75	75	70
(mm) STEM DIAMETER	1	1	1	1
(m) неівнт (m)	15.0	13.0	13.0	
(m) неівнт (m)	2.0	2.0	3.0	
ныент (m)	1	1	1	1
SPECIES	Quercus robur (English oak), Acer campestre (field maple), Fraxinus excelsior (common ash)	Quercus robur (English oak), Acer campestre (field maple), Crataegus monogyna (common hawthorn)	Crataegus monogyna (common hawthorn), Acer campestre (field maple), Quercus robur (English oak)	Prunus spinosa (blackthorn)Crataegus monogyna (common hawthorn)
TYPE	≯	≯	×	g
TREE NO	361	362	364	366

TR33 Environments



(III) COIGHA HAA	7	8	0	∞
(m) SUIDAR A9R	2.2	4.8	3.0	1.8
NOTES	ı	Group of many Ash and sycamore with hawthorn hedge below Partly TPO area	-	ı
SUB-CATEGORY	2	2	2	2
САТЕ GО В У	U	C	C	C
ESTIMATED REMAINING CONTRIBUTION	10+	10+	10+	10+
AGE CLASS	EM	Σ	M	EM
нят	1.0	1.0	1.0	1.0
гсн	1.0	1.0	1.0	1.0
мехімим скоми зряеар (m)	2.0	4.0	3.0	1.0
(mm) ABTBMAID MUMIXAM	180	400	250	150
(mm) ЯЭТМАІО МОМІИІМ	70	75	75	75
STEM DIAMETER (mm)	1	1	-	1
(m) ТНБІЗН МОМІХАМ	5.0	13.0	10.0	4.0
мімімим неіснт (m)	2.0	2.0	4.0	1.0
ныент (m)	ı	1	-	ı
SPECIES	Prunus spinosa (blackthorn)Crataegus monogyna (common hawthorn)Acer campestre (field maple)	Fraxinus excelsior (common ash)Acer pseudoplatanus (sycamore)Crataegus monogyna (common hawthorn)	Corylus avellana (common hazel)	Fraxinus excelsior (common ash)Salix sp. (willow)
TYPE	>	>	%	9
TREE NO	367	370	372	373

TR33 Environments Arboricultural Assessment - Biglis to Dinas Powys Active Travel Route



	_			
(m) SUIDAЯ AAЯ	3.0	4.8	3.6	1.8
NOTES	ı	1	ı	-
YAOĐETAD-BUS	2	2	2	2
үяорэтар	C	C	O	С
ESTIMATED REMAINING CONTRIBUTION	10+	10+	10+	10+
AGE CLASS	Σ	Σ	Σ	Σ
нят	1.0	1.0	1.0	1.0
нэт	1.0	0.0	1.0	0.0
(m) дазяче имояр миміхам	2.0	3.0	3.0	2.0
(mm) A3T3MAIG MUMIXAM	250	400	300	150
(mm) ЯЭТМАІО МОМІИІМ	75	150	75	75
(mm) STEM DIAMETER (mm)	1	1	1	-
(m) тныэн мимихам	7.0	6.0	9.0	3.0
(m) неівнт (m)	1.0	4.0	2.0	1.0
ныент (m)	1	1	1	-
SPECIES	Crataegus monogyna (common hawthorn)Acer campestre (field maple)Sambucus nigra (elder)	Crataegus monogyna (common hawthorn)	Crataegus monogyna (common hawthorn)Acer pseudoplatanus (sycamore)Fraxinus excelsior (common ash)Sambucus nigra (elder)	Crataegus monogyna (common hawthorn)
TYPE	Ι	工	Ξ	9
TREE NO	376	380		382

TR33 Environments Arboricultural Assessment - Biglis to Dinas Powys Active Travel Route



(m) SUIDAЯ A9Я	3.6	1.8	3.0	1.8	3.0
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	c				C
NOTES	•	1	1	1	ı
SUB-CATEGORY	2	2	2	2	2
CATEGORY	C	C	C	ن	U
ESTIMATED REMAINING CONTRIBUTION	10+	10+	10+	10+	10+
AGE CLASS	Σ	Σ	Σ	Σ	Σ
нят	1.0	0.0	1.0	0.0	0.0
нсн	1.0	0.0	1.0	0.0	0.0
(m) дазяче и мояр миміхам	4.0	2.0	3.0	2.0	2.0
(mm) A3T3MAIQ MUMIXAM	300	150	250	150	250
(mm) ЯЭТМАІД МОМІИІМ	150	75	75	75	75
(mm) STEM DIAMETER (mm)	ı	ı	-	ı	ı
(m) неівнт (m)	9.0	8.0		4.0	5.0
Мімімим неівнт (m)	5.0	2.0	1.0	2.0	2.0
ныент (m)	-	ı	-	ı	ı
SPECIES	Fraxinus excelsior (common ash)Acer campestre (field maple)Crataegus monogyna (common hawthorn)Salix sp. (willow)	Crataegus monogyna (common hawthorn)	Crataegus monogyna (common hawthorn)Fraxinus excelsior (common ash)Acer campestre (field maple)	Crataegus monogyna (common hawthorn)	Crataegus monogyna (common hawthorn)
ТҮРЕ	9	9	н	工	9
TREE NO	383	384	386	387	390

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(m) SUIDAЯ AAЯ	3.0	3.0			
NOTES	1	ı			
YAOĐETAD-BUS	2	2			
үяорэтар	С	С			
ESTIMATED REMAINING CONTRIBUTION	10+	10+			
AGE CLASS	Σ	Σ			
нят	1.0	1.0			
нэт	1.0	1.0			
(m) МАХІМИМ СROWN SPREAD (m)	2.0	2.0			
(mm) ABTBMAID MUMIXAM	250	250			
(mm) ЯЭТМАІО МОМІИІМ	75	75			
(mm) STEM DIAMETER	1	-			
(m) тныэн миміхам	8.0	8.0			
мімімим неіснт (m)	1.0	1.0			
ныент (m)	1	1			
SPECIES	Crataegus monogyna (common hawthorn)Acer campestre (field maple)Acer pseudoplatanus (sycamore)Fraxinus excelsior (common ash)	Crataegus monogyna (common hawthorn)Acer campestre (field maple)Acer pseudoplatanus (sycamore)Fraxinus excelsior (common ash)			
TYPE	т т				
TREE NO	394				

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	<u> </u>						
(m) SUIDAЯ AAЯ	1.2	2.4	2.2	6.0	0.9	1.1	2.4
NOTES	ı	1	-	-	ı	-	-
SUB-CATEGORY	2	2	2	7	2	7	7
САТЕ GОВУ	U	U	C	ی	U	С	၁
ESTIMATED REMAINING CONTRIBUTION	10+	10+	10+	10+	10+	10+	10+
AGE CLASS	EM	EM	EM	EM	Σ	EM	Σ
нят	0.0	1.0	1.0	1.0	0.0	0.0	0.0
нэт	0.0	1.0	1.0	1.0	0.0	0.0	0.0
(m) МАХІМИМ СВОМИ SPREAD (m)	2.0	2.0	2.0	1.0	1.0	1.0	2.0
(mm) ABTBMAID MUMIXAM	100	200	180	75	50	100	200
(mm) ЯЭТМАІО МОМІИІМ	75	75	75	20	50	20	75
STEM DIAMETER (mm)	1	ı	1	-	ı	-	-
(m) THEIGHT (m)	3.0	8.0	0.6	1.0	1.0	3.0	4.0
Мімімим неібнт (m)	1.0	1.0	1.0	1.0	1.0	1.0	3.0
HEIGHT (m)	ı	ı	ı		1	-	-
SPECIES	Crataegus monogyna (common hawthorn)Acer pseudoplatanus (sycamore)Ilex aquifolium (common holly)	Acer pseudoplatanus (sycamore)Sambucus nigra (elder)	Fagus sylvatica (common beech) Acer pseudoplatanus (sycamore)	Buxus sempervirens (box)	x Cupressocyparis leylandii (leylandii)	Cupressus sp. (cypress)	Cupressus sp. (cypress)
TYPE	g	9	Н	Н	Ξ	Н	Η
TREE NO	403	406	411	413	414	416	

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(m) SUIDAЯ A9Я	1.2	5.4	6.0	2.0	0.9	1.8	1.8	1.4	3.4	3.0	1.8	1.8	1.8	1.8
NOTES	1	1	-	-	1	-	-	-	-	-	-	-	1	ı
YAOĐETAD-BUS	2	1	2	2	1	2	2	2	2	2	2	2	2	2
ҮЯО БЭТАЭ	ပ	В	С	С	В	С	C	С	С	С	С	С	C	С
ESTIMATED REMAINING CONTRIBUTION	10+	20+	10+	10+	70+	10+	10+	+01	10+	10+	+01	10+	10+	10+
AGE CLASS	Σ	Σ	EM	Μ	M	EM	EM	SM	Μ	Μ	EM	Μ	EM	Σ
нят	0.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0
гсн	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0
мехімим скоми зряеар (m)	2.0	3.0	1.0	2.0	4.0	1.0	1.0	1.0	3.0	2.0	1.0	2.0	1.0	2.0
(mm) MATIMAID MUMIXAM	100	450	20	170	200	150	150	120	280	250	150	150	150	150
(mm) A3TMAIG MUMINIM	70	180	50	70	300	75	75	75	150	150	120	75	70	75
STEM DIAMETER (mm)	1	ı	-	-	1	-	-	-	-	-	-	-	1	1
(m) THEIGHT (m)	4.0	10.0	1.0	4.0	12.0	3.0	3.0	1.0	6.0	7.0	3.0	3.0	2.0	3.0
(m) неібнт (m)	3.0	7.0	1.0	4.0	10.0	3.0	3.0	1.0	5.0	5.0	2.0	3.0	2.0	3.0
ныент (m)			-	-	-	-	-	-	-	-	-	-	-	1
SPECIES	Pyracantha sp. (Firethorn)	Cupressus sp. (cypress)	Ligustrum oviofolium (privet)	Cupressus sp. (cypress)	Cupressus macrocarpa (Monterey cypress)	Cupressus sp. (cypress)	Chamaecyparis lawsoniana (Lawson cypress)	Cupressus sp. (cypress)						
ЗЧҮТ	Ξ	ェ	н	н	Н	н	т	н	Н	Н	н	Н	Н	Н
твее ио	417	419	420	421	422	423	424	425	426	427	428	429	430	431

TR33 Environments



		_			
(m) SUIDAЯ AAЯ	1.2	1.4	1.8	1.4	6.0
NOTES		1	•	Private property estimates	ı
YAOĐETAD-AUS	2	2	2	2	2
уяо _р этар	ပ	ပ	С	2	В
ESTIMATED REMAINING CONTRIBUTION	10+	10+	10+	+01	20+
AGE CLASS	EM	EM	EM	EM	Σ
нят	0.0	0.0	1.0	0.0	1.0
гсн	0.0	0.0	1.0	0.0	1.0
(m) МАХІМИМ СКОМИ SPREAD (m)	1.0	1.0	2.0	1.0	5.0
(mm) ABTBMAID MUMIXAM	100	120	150	120	500
(mm) A3TMAIG MUMINIM	70	20	20	70	50
STEM DIAMETER (mm)				-	ı
(m) тныэн мимихам	3.0	3.0	3.0	4.0	21.0
МІИІМОМ НЕІGHT (m)	3.0	2.0	2.0	3.0	2.0
ныент (m)		,		-	1
SPECIES	Buxus sempervirens (box)	Cupressus sp. (cypress)	Magnolia sp. (magnolia)	Cupressus sp. (cypress)	Fraxinus excelsior (common ash), Acer pseudoplatanus (sycamore), Alnus glutinosa (common alder), Corylus avellana (common hazel), Crataegus monogyna (common hawthorn)
ТҮРЕ	I	I	9	Н	>
TREE NO	434	435	437	440	447

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Table 5: Key and relevant descriptors

Key:	Description:
Reference Nos	Individual reference number
Type:	T - tree; G - tree group; W - wooded area; H - hedge
Species:	Botanical name (common name); Only the most frequently occurring species within a tree group, wooded area or hedge are recorded
Height:	Overall height (m) – maximum and minimum heights are recorded for tree groups, wooded areas and hedges
рвн:	Stem diameter (mm) - calculated in accordance with BS 5837 paragraph 4.6.1. Maximum and minimum diameters are provided for tree groups, wooded areas, and hedges
Crown Spread:	Spread of crown(m) - based upon the maximum lateral dimension
:НСН:	Lowest crown height (m); Where an arboricultural feature abuts the edge of the site then only the portion of the crown within, or overhanging the site has been assessed
LBH:	Height of lowest significant branch (m); Where an arboricultural feature abuts the edge of the site then only the portion of the crown within, or overhanging the site has been assessed
	Y - Young; SM - Semi-Mature; EM - Early Mature; M – Mature
Life Stage:	Young: recently planted and yet to fully establish; Semi-Mature: established but yet to attain mature stature (<25% life expectancy); Early Mature: Almost full height although crown still developing (<50% life expectancy); Mature: Full height and crown spread (>50% life expectancy)
Estimated Remaining Contribution:	Estimated life expectancy (under current site conditions) - <10 years, 10+ years, 20+ years, 40+ years
Category:	BS 5837 Category - A (high-quality) B (moderate-quality) C (low-quality) U (very-low quality/unsuitable for retention) Refer to Table 1 for detailed descriptions
Sub-Category:	BS 5837 Sub-Category - the primary area of value - 1) Arboricultural 2) Visual 3) Cultural/Conservation
Notes:	General observations, particularly where relevant to the assigned BS 5837 category

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Key:	Description:
:	Root Protection Area Radius (m). The radius of the circular Root Protection Area associated with the tree as measured
RPA Radius:	from the centre of the stem. For tree groups, wooded areas and hedges the KPA radius is calculated using the
	maximum stem diameter.



APPENDIX C: TREE RETENTION / REMOVAL PLAN

