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# Preliminary Environmental Information Report

Volume 3: Appendix 14.3

**Arboricultural Impact Assessment**

Treework Environmental Practice

# Arboricultural Impact Assessment

# Future LuToN Development
# Luton Airport

**Report Reference Number: 211208-2.3-LA-AIA-MW**

On behalf of

**GL Hearn Limited**

**08 December 2021**

## Document Control Sheet

**Project Name:** **Future LuToN**

**Report Ref:** **211208-2.3-LA-AIA-MW**

**Report Title:** **Arboricultural Impact Assessment**

| | Name | Position | Date |
|---|---|---|---|
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| Surveyed by: | James Covenant | Arboricultural Surveyor | September 2018 |

| Revision | Date | Description | Prepared by |
|---|---|---|---|
| 1.0 | 12 July 2019 | Version 1.0 (previous layout) | Matt Searle |
| 2.0 | 12 October 2021 | Draft | Mike Wood |
| 2.1 | 8 November | Minor amendments to text and plans | Mike Wood |
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## Executive Summary

- This report provides an assessment of the impact of the London Luton Airport Expansion Development Consent Order (hereby referred to as the Proposed Development): Making the best use of our runway proposal upon on site and relevant off-site trees and makes recommendations for mitigating negative impacts. It is suitable for submission in support of an application for development consent. The Proposed Development builds on the current operational airport with the construction of a new passenger terminal and additional aircraft stands on land owned by Applicant located to the north east of the runway. This will take the overall passenger capacity from 18mppa to 32mppa.

- 862 trees and 448 tree groups, including hedgerows and woodlands are included within the survey area (including trees within the area subject to this application as well as the New Century Park area, for which consent has already been granted). The data for which is presented within the Tree Schedule at Appendix A of this report.

- 356 trees and 219 tree groups/hedges/woodlands (which includes part removal) trees, have been identified for removal to facilitate the Proposed Development proposal. One Category A trees (T343) which is a re-grown ancient and veteran coppice, will be re-coppiced and translocated to another area of the site, 99 trees and 67 groups are category B, *'trees of moderate quality',* 169 trees, 120 tree groups and 2 hedges are category C *'trees of low quality'* tree groups. A further 87 trees and 29 tree groups have been assessed as category U '*those in such* a poor *condition that they cannot be realistically retained* 'and as a result are recommended for removal irrespective of any future land use.

- All remaining trees and tree groups will be retained and integrated into the development. Sufficient space and adequate protection measures will be set out to ensure that retained trees are not damaged during the pre-construction and construction phase and to enable their successful development post-construction. Retained tree protection measures are discussed throughout this report and phased Tree Protection Plans will be provided before each relevant phase. No retained trees are anticipated to require remedial tree work to facilitate the development.

- Path creation through Root Protection Areas will be constructed using 'no-dig' methods to avoid soil excavation and compaction.

- There is a Tree Preservation Order on site, covering a single tree (T703). This protected tree is not impacted by the proposals. There are no Conservation Areas on site.

- Proposed landscape mitigation planting is detailed in Figures 14-9 and 14-10 in Volume 4 of this PEIR and not discussed further, within this report.

- Works including tree removal and new tree planting are assumed to be phased between 2025 and 2040. The phasing is illustrated on the Tree Retention and Removal Plan at Appendix B of this report.

# 1 Introduction

## 1.1 Scope and Context

1.1.1 Treework Environmental Practice were initially instructed by GL Hearn Ltd on 7th June 2019 to provide an Arboricultural Impact Assessment, in accordance with British Standard BS 5837: 2012 *Trees in Relation to Design, Demolition and Construction – Recommendations*, to consider the effect of development proposals on trees within the within the area for development consent.

1.1.2 This arboricultural assessment relates to a relates to an application for development consent, described further in section 1.3.1 below.

1.1.3 Trees are a material consideration when determining applications for development consent, whether or not they are afforded the statutory protection of a Tree Preservation Order or Conservation Area. British Standard BS 5837:2012 *Trees in Relation to Design, Demolition and Construction* sets out the principles and procedures to be applied to achieve a harmonious and sustainable relationship between trees and new developments. The Standard recommends a sequence of activities that starts in the initial feasibility and design phase (RIBA Stage 2 'Concept Design') with a survey to qualify and quantify the trees on site and establish the arboricultural constraints to development (above- and below-ground) to inform the design in an iterative process, and continues with an assessment of the arboricultural impacts of the final design and measures to mitigate such impacts should they be negative. Detailed technical specifications for mitigation and protection measures are devised in the design phase that follows (RIBA Stage 3-4 'Developed and Technical design'), and the sequence ends with the Implementation and Aftercare phase (RIBA Stages 5-7) with the implementation of those measures once planning permission is granted, guided by Arboricultural Method Statements (RIBA Stage 4-5, 'Technical Design and Construction) and professional guidance where appropriate.

1.1.4 This Arboricultural Impact Assessment (AIA) reports on the direct and indirect impacts of the Proposed Development on trees in terms of both the buildability of the proposals and the long-term impact of the finished scheme, and where necessary presents mitigation for these impacts.

## 1.2 Purpose of this Report

1.2.1 This AIA, and accompanying Tree Schedule and Tree Retention and Removal Plan, is provided to support to support an application for development consent. It sets out the arboricultural impacts of the proposals using the following considerations as a framework:

- Trees to be removed and trees to be retained.
- Remedial tree work to retained trees to allow development and ensure that retained trees will form a harmoniously integrated component of the proposed development (none required).
- Suitable measures to protect retained trees.
- Special construction or engineering measures required to enable trees to be harmoniously integrated into the proposed development.

## 1.3 The Proposed Development

1.3.1 The Proposed Development builds on the current operational airport with the construction of a new passenger terminal and additional aircraft stands on land owned by the Applicant located to the north east of the runway. This will take the overall passenger capacity from 18mppa to 32mppa.

1.3.2 In addition to the above and to support the initial increase in demand, the existing infrastructure and supporting facilities will be improved in line with the phased growth in capacity of the airport.

1.3.3 The main elements of the Proposed Development include the following:

(a) Reconfiguration and improvement of the existing passenger terminal (Terminal 1).

(b) New passenger terminal building and boarding piers (Terminal 2).

(c) Earthworks to create an extension to the current airfield platform, all of which is generated on site.

(d) Airside facilities including new taxiways and aprons, together with relocated engine run-up bay and fire training facility.

(e) Landside facilities including airport associated support buildings such as operations, logistics, energy centre and service yards.

(f) Enhancement of the existing surface access network, including a new dual carriageway road from the A1081 (Airport Roundabout) to the new passenger terminal along with the provision of forecourt and car parking facilities.

(g) Extension of the DART with a station serving the new passenger terminal.

(h) Landscaping and ecology improvements, including the replacement of existing and planned public open space and amenities.

(i) Further infrastructure enhancements and initiatives to support the Applicant's goal of a zero carbon airport by 2040.

1.3.4 The following documents have been provided to and reviewed by Treework Environmental Practice:

| Document Title | Document/Drawing number | Originator |
|---|---|---|
| Topographical Survey | 21352 (Provisional) & 01-bw-02 | mksurveys |
| Proposed Layout | LLADCO-3B-CAP-WHS-PHS-DR-AR-1260 | Architect |
| Site Clearance | Site Clearance 21.5mppa V1,<br>Site Clearance 27mppa V4,<br>Site Clearance 32mppa V3 | GL Hearn |
| Tree Constraints Plan | 211001-3.0-LA-TCP-NC | Treework Environmental Practice |

# 2 Existing Tree Population and Constraints

2.1.1 A survey covering the majority of the trees within the application site and trees on adjacent land close enough to be affected by the Proposed Development has been undertaken to determine the impact of the proposals on trees within the planning application boundary. A tree survey covering trees within the boundaries of this application as well as trees already examined as a part of the New Century Park planning application were surveyed between September and November 2018. The full survey results are presented in the Tree Schedule at Appendix A of this report as a combination of these two data sets. A tree survey was also carried out by Pell Frischmann for trees adjoining the proposed Airport Access Road (dated May 2016 and provided at Appendix 14-2 in Volume 3 of this PEIR) and has been used to help inform judgements about tree losses in this part of the Application Site.

2.1.2 The survey was undertaken with reference to the topographical survey. Additional trees not plotted on the topographical survey were plotted using an OS Mastermap base map as reference in Treework Environmental Practice's specialist tree management software – MyTrees. These trees were plotted on the base map using aerial photographs as a reference, and their positions are therefore approximate. Given the nature of the proposals the level of accuracy achieved is considered sufficient to determine whether trees are likely to be affected by the proposals.

2.1.3 Generally, access across the application site was good. We were unable to survey the Harrods Aviation Enclosure (marked on the Tree Retention and Removal Plan, Appendix B). Approximately ten additional, low value trees (Category C, *'trees of low quality'*) are located within the enclosed area, all of which are proposed for removal to facilitate the development. These are not included in Table 1 below.

2.1.4 BS 5837: 2012 recommends classifying trees into four quality and value categories to determine their relative retentive worth. A summary of the relative retentive worth of the trees within the application site as recorded during the tree survey and expressed by their categories is given in Table 1. Appendix A of this report explains the BS 5837: 2012 tree categorisation process.

**Table 1: Trees/Groups in each Retention Category**

| BS Category | No.of Trees (T) | No. of Groups (G) | No. of Hedges (H) | No. of Woods (W) | Total |
|---|---|---|---|---|---|
| A | 15 | 0 | 0 | 0 | 15 |
| B | 283 | 113 | 1 | 1 | 398 |
| C | 470 | 297 | 6 | 0 | 773 |
| U | 94 | 30 | 0 | 0 | 124 |
| Total | 862 | 439 | 131 | 1 | 1310 |

The Ancient woodland (x1 woodland above) is recorded as (G) 250

2.1.5 Trees present constraints to development both above and below ground. The above ground constraints comprise the physical extent of tree crowns. The below ground constraints comprise the roots and are expressed in terms of the root protection area (RPA), which is the minimum rooting area that a tree needs to sustain itself in reasonable health. These constraints, as established by the tree-survey, inform this assessment of the impact of the development proposals.

2.1.6 The full results of the tree survey on which this report is based are given in the Tree Schedule at Appendix A, and the above- and below-ground constraints are illustrated on the Tree Retention and Removal Plan at Appendix B. Each tree (T), tree group (G), hedges (H) and woodland (W) has been allocated an individual number to which it is referred in this report and all associated documents. The survey method and limitations are set out in Appendix E.

2.1.7 The scope of the tree survey involved recording the species present within the 335 groups with an estimated count of the number of each species within each group. In some cases, the approximate position of individual tree stems within groups are is plotted, elsewhere, just the approximate numbers are included. As a consequence, for trees in groups, whilst an estimate of the number of trees within the population and the number of trees proposed for removal is provided, an accurate number of trees within groups is not possible to

ascertain from the dataset held.

2.1.8 Luton Council has confirmed that one Tree Preservation Order (tree number T703, a Horse Chestnut, T2 of TPO 'Wigmore HALL', 1989) is present within the application boundary. There are no Tree Preservation Orders (TPOs) in the application boundary within the North Hertfordshire District Council area. No Conservation Area designations are present on site.

2.1.9 Five Ancient (T163, T168, T740, T1310), two Ancient and Veteran (T174, T343), two Veteran (T173, T63) and one group of five Ancient and Veteran (G156) trees have been identified on the edge of the Ancient Woodland (G250) and the wider site. These trees were assessed using a specially enhanced adaptation of Natural England's *Specialist Survey Method.*

# 3 Arboricultural Impact of the Proposals

## 3.1 Tree Removal and Retention

3.1.1 The nature of the proposal requires phased preliminary site clearance operations within the planning application boundary. The phasing is identified and illustrated on the Tree Retention and Removal Plan. A summary of the overall trees to be removed is provided below.

3.1.2 The 575 tree features proposed for removal over the phased period, to facilitate the proposed development are summarised in Table 2 by BS5837: 2012 category. Trees have been identified for removal to allow site clearance operations to take place to create a clear work zone for the construction of the proposed infrastructure operations.

**Table 2 – Tree Features for Removal by BS Category**

| BS Category | No. of Trees (T) | No. of Groups (G) | No. of Woods (W) | Total |
|---|---|---|---|---|
| A | 1 | 0 | 0 | 1 |
| B | 98 | 67 | 0 | 165 |
| C | 166 | 121 | 2 | 289 |
| U | 86 | 29 | 0 | 115 |
| Total | 351 | 217 | 2 | 570 |
| **Total** (excluding Category U trees) | **265** | **188** | **0** | **453** |

The category A veteran and ancient coppice (T343) will be coppiced and translocated.

3.1.3 It is assumed that tree removals would be phased to reflect construction activities between 2025 and 2040. During this time, new tree planting will be introduced and establish which will compensate for those removed.

3.1.4 All trees other than those in Table 2 will be retained and protected during each development phase (see section 3.3). This results in the retention of 14 category A, 231 B and 482 category C tree features. Eight U category trees can also be retained for habitat value. However, it should be noted that tree losses associated with the Airport Access Road and off-site highway works have not been assessed within the existing tree surveys.

## 3.2 Facilitative Tree Works

3.2.1 No tree pruning works associated with this report are anticipated to enable the Proposed Development, other than the removal of the trees listed in Table 2. However, trees associated with the Airport Access Road and off-site highway works are not included within this assessment and should be considered separately.

## 3.3 Tree Protection

3.3.1 ***Root Protection Areas and Construction Exclusion Zones***

Retained trees will be protected during development by establishing a Construction Exclusion Zone (CEZ) around their Root Protection Areas (RPAs). RPAs are a layout design tool, indicating the minimum area around a tree deemed to contain sufficient roots and soil to maintain the tree's viability. RPAs should be treated as a precautionary area within which activities such as ground compaction, excavation, the storing of materials, ground level changes and other construction activity are likely to cause damage to trees and should therefore be excluded. This CEZ can be achieved by the erection of barriers at the locations presented in subsequent, phased Tree Protection Plans. Tree protection barriers must be installed before any demolition or construction works start, and, unless approved by the overseeing authority or by an arboriculturist approved by them, should remain in place until all construction activity has been completed.

3.3.2 The type of barriers should match the level of activity around the retained trees. Where a high level of construction activity is expected, fencing must be braced to be robust to vehicular impact and to prevent it from being easily repositioned; a specification similar to drawing 3 in BS 5837:2012 will be suitable (reproduced at Appendix D)

3.3.3 All protection fencing should carry identifying signs that state its purpose and proscribe its removal until all demolition and construction work is complete. An example sign is given at Appendix D of this report.

3.3.4 The location of tree protection fencing has not been provided on the Tree Retention and Removal Plan. However, detailed Tree Protection Plans will be provided before each phase begins to ensure retained trees within a phase are appropriately protected, before any associated enabling works, earthworks and construction works takes place.

## 3.4 Special Technical Measures

3.4.1 Conflicts between retained trees and aspects of the proposed development that cannot be dealt with by exclusion zones, tree protection or tree work, can be mitigated by the use of special technical measures. Any required special measures will be managed with the use of Arboricultural Method Statements through the life of the project.

## 3.5 Additional Precautions

3.5.1 ***Utilities and Services***

Information on the location of utility and service runs for the proposed development was not available at time of writing. In principle, traditional trench-installed utilities should be routed outside of the RPAs of retained trees to avoid root damage. Where routing utility runs within RPAs is unavoidable, all work should comply with The National Joint Utilities Volume 4 and advice should be sought from a professional Arboricultural Consultant.

3.5.2 ***Soft Landscaping***

A suitably qualified Arboricultural Consultant should review any landscape operations that involve any work within the RPAs of retained trees and input additional site-specific methodology where necessary.

3.5.3 ***Replacement Planting***

A landscape scheme including replacement tree planting proposals to mitigate and compensate for the loss of trees identified within this report and presented on the Tree Retention and Removal Plan at Appendix B has been included as a separate supporting document to accompany this application for development consent and is consequently not discussed in this report. However, due to the duration of the project, many trees will be planted in the early stages and will already be established by the time others are removed.

# Appendix A

## Tree Schedule

# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1 | 1 | *Acer pseudoplatanus* Sycamore | 9.0 | 4 | 33 | N 4.0 E 4.0 S 4.0 W 4.0 | 1.5 | 1.5 | Early Mature | Good | | 50.0 | 4.0 | 10-20 | C | 2 |
| T2 | 1 | *Sambucus nigra* Elder | 4.0 | 6 | 19 | N 3.0 E 3.0 S 2.0 W 3.0 | 1.5 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T3 | 1 | *Acer pseudoplatanus* Sycamore | 9.0 | 8 | 33 | N 4.5 E 4.5 S 4.5 W 4.5 | 0.5 | 0.5 | Early Mature | Good | | 52.1 | 4.1 | 10-20 | C | 2 |
| T4 | 1 | *Sambucus nigra* Elder | 3.5 | 8 | 33 | N 2.0 E 2.0 S 1.0 W 3.0 | 0.5 | 0.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T5 | 1 | *Acer pseudoplatanus* Sycamore | 7.0 | 1 | 14 | N 3.0 E 3.0 S 2.0 W 1.0 | 2.0 | 2.0 | Semi Mature | Good | | 8.9 | 1.7 | 20-40 | C | 2 |
| T6 | 1 | *Acer pseudoplatanus* Sycamore | 8.0 | 1 | 17 | N 3.5 E 2.0 S 2.0 W 3.0 | 2.5 | 2.0 | Semi Mature | Good | | 13.1 | 2.0 | 20-40 | C | 2 |
| T7 | 1 | *Ilex aquifolium* Holly | 10.0 | 9 | 54 | N 4.0 E 4.5 S 4.5 W 4.5 | 0.0 | 0.5 | Early Mature | Good | | 131.9 | 6.5 | 20-40 | B | 2 |
| T8 | 1 | *Fraxinus excelsior* Ash | 10.0 | 1 | 29 | N 2.5 E 6.0 S 4.0 W 4.5 | 1.5 | 2.0 | Early Mature | Fair | | 38.0 | 3.5 | 10-20 | C | 2 |
| T9 | 1 | *Ilex aquifolium* Holly | 8.0 | 2 | 39 | N 4.5 E 4.5 S 4.5 W 4.5 | 0.5 | 2.0 | Early Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. | 71.8 | 4.8 | 20-40 | B | 2 |
| G10 | 100 | *Prunus spinosa* Blackthorn/Sloe | 2.5 | 2 | 5 | N 1.0 E 1.0 S 1.0 W 1.0 | 0.5 | 0.5 | Semi Mature | Good | | 1.4 | 0.7 | 20-40 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G11 | 5<br>3 | *Acer campestre* Field Maple<br>*Corylus avellana* Common Hazel | 6.0 | 1 | 30 | N E S W<br>2.5 2.5 2.5 2.5 | 0.5 | 0.5 | Early Mature | Good | Coppice stool - Coppice origin / Mature stems. | 40.7 | 3.6 | 20-40 | B | 2 |
| G12 | 50<br>40<br>25<br>20<br>5<br>5<br>3 | *Acer campestre* Field Maple<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Prunus spinosa* Blackthorn/Sloe<br>*Ilex aquifolium* Holly<br>*Carpinus betulus* Hornbeam<br>*Corylus avellana* Common Hazel<br>*Sambucus nigra* Elder | 2.5 | 1 | 25 | NW NE SE SW<br>0.5 1.0 0.5 1.0 | 0.0 | 0.5 | Early Mature | Good | Coppice stool - Coppice origin / Mature stems. Hedgerow - Historic. | 28.3 | 3.0 | 20-40 | B | 2<br>3 |
| T13 | 1 | *Acer pseudoplatanus* Sycamore | 7.0 | 1 | 17 | NW NE SE SW<br>1.5 3.0 3.0 3.0 | 1.5 | 2.0 | Semi Mature | Fair | | 13.1 | 2.0 | 10-20 | C | 2 |
| T14 | 1 | *Acer pseudoplatanus* Sycamore | 8.5 | 1 | 20 | N E S W<br>4.0 2.0 3.0 3.0 | 1.0 | 0.5 | Early Mature | Good | | 18.1 | 2.4 | 20-40 | C | 2 |



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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T15 | 1 | *Salix caprea*<br>Goat Willow/Great Sallow | 9.0 | 3 | 35 | N E S W<br>5.0 5.0 5.0 4.0 | 1.0 | 1.0 | Early Mature | Good | | 58.4 | 4.3 | 20-40 | C | 2 |
| G16 | 15 | *Cornus sp.*<br>Dogwood sp. | 4.0 | 3 | 17 | N E S W<br>3.0 3.0 3.0 3.0 | 0.5 | 0.5 | Early Mature | Good | | 13.9 | 2.1 | 10-20 | C | 2 |
| | 12 | *Salix caprea*<br>Goat Willow/Great Sallow | | | | | | | | | | | | | | |
| | 1 | *Fraxinus excelsior*<br>Ash | | | | | | | | | | | | | | |
| | 1 | *Prunus spinosa*<br>Blackthorn/Sloe | | | | | | | | | | | | | | |
| | 1 | *Acer pseudoplatanus*<br>Sycamore | | | | | | | | | | | | | | |
| | 1 | *Sambucus nigra*<br>Elder | | | | | | | | | | | | | | |
| | 1 | *Sorbus aucuparia*<br>Rowan/Mountain Ash | | | | | | | | | | | | | | |
| | 1 | *Salix sp.*<br>Willow sp. | | | | | | | | | | | | | | |
| | 1 | *Buddleja sp.*<br>Buddleja | | | | | | | | | | | | | | |
| T17 | 1 | *Cerasus avium*<br>Wild Cherry | 12.0 | 6 | 48 | N E S W<br>5.5 5.5 5.5 5.5 | 4.0 | 2.5 | Early Mature | Fair | | 108.6 | 5.9 | 10-20 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T18 | 1 | *Acer pseudoplatanus* Sycamore | 13.0 | 3 | 58 | N 6.5 E 6.5 S 6.5 W 6.5 | 2.5 | 2.0 | Early Mature | Fair | | 152.4 | 7.0 | 10-20 | C | 2 |
| T19 | 1 | *Salix caprea* Goat Willow/Great Sallow | 8.5 | 5 | 51 | N 5.0 E 6.0 S 6.0 W 5.0 | 3.5 | 2.0 | Early Mature | Fair | | 119.4 | 6.2 | 10-20 | C | 2 |
| T20 | 1 | *Prunus spinosa* Blackthorn/Sloe | 8.0 | 6 | 36 | N 4.0 E 4.0 S 4.0 W 1.5 | 1.5 | 2.0 | Early Mature | Fair | | 61.1 | 4.4 | 10-20 | C | 2 |
| T21 | 1 | *Prunus spinosa* Blackthorn/Sloe | 0.0 | 2 | 23 | N 0.0 E 0.0 S 0.0 W 0.0 | 0.0 | 0.0 | Early Mature | Dead | Fallen tree / trees - Whole tree. | | | 0-10 | U | |
| T22 | 1 | *Prunus spinosa* Blackthorn/Sloe | 8.0 | 3 | 30 | N 4.0 E 1.0 S 4.0 W 4.0 | 3.0 | 3.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 41.3 | 3.6 | 10-20 | C | 2 |
| T23 | 1 | *Prunus spinosa* Blackthorn/Sloe | 9.0 | 3 | 32 | N 2.0 E 4.0 S 5.5 W 5.5 | 2.5 | 1.5 | Early Mature | Good | | 48.0 | 3.9 | 10-20 | C | 2 |
| T24 | 1 | *Malus sp.* Apple sp. | 5.0 | 7 | 31 | N 3.5 E 4.0 S 3.0 W 2.0 | 2.0 | 2.0 | Early Mature | Poor | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T25 | 1 | *Acer pseudoplatanus* Sycamore | 10.0 | 1 | 32 | N 3.0 E 4.0 S 6.0 W 6.0 | 4.0 | 3.5 | Early Mature | Fair | | 46.3 | 3.8 | 10-20 | C | 2 |
| T26 | 1 | *Cupressus sp.* Cypress sp. | 8.0 | 4 | 22 | N 2.0 E 2.5 S 2.0 W 2.0 | 1.0 | 0.5 | Early Mature | Fair | | 22.5 | 2.7 | 10-20 | C | 2 |
| T27 | 1 | *Acer pseudoplatanus* Sycamore | 8.0 | 1 | 20 | N 4.0 E 1.5 S 1.5 W 4.0 | 2.0 | 2.5 | Early Mature | Fair | | 18.1 | 2.4 | 10-20 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T28 | 1 | *Acer pseudoplatanus* Sycamore | 10.0 | 1 | 25 | N 3.0 E 4.5 S 4.0 W 3.0 | 5.0 | 2.5 | Early Mature | Fair | | 28.3 | 3.0 | 10-20 | C | 2 |
| T29 | 1 | *Cerasus avium* Wild Cherry | 9.0 | 1 | 17 | N 1.0 E 4.0 S 3.0 W 1.0 | 4.0 | 4.5 | Semi Mature | Poor | Not on topographical survey, plotted freehand. | 13.1 | 2.0 | 10-20 | C | 2 |
| T30 | 1 | *Cupressus sp.* Cypress sp. | 15.0 | 1 | 75 | N 6.5 E 6.5 S 6.5 W 6.5 | 2.5 | 0.5 | Early Mature | Good | Plotted freehand. | 254.5 | 9.0 | 20-40 | B | 2 |
| G31 | 4 | *Cupressus sp.* Cypress sp. | 15.0 | 1 | 48 | N 5.0 E 5.0 S 1.0 W 5.0 | 2.0 | 1.0 | Early Mature | Fair | | 104.2 | 5.8 | 10-20 | C | 2 |
| G32 | 4<br>1 | *Cupressus sp.* Cypress sp.<br>*Malus sp.* Apple sp. | 6.0 | 1 | 15 | N 1.0 E 1.0 S 1.0 W 1.0 | 0.5 | 0.5 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T33 | 1 | *Cupressus sp.* Cypress sp. | 14.0 | 5 | 81 | N 3.5 E 6.5 S 6.0 W 4.5 | 1.5 | 0.0 | Mature | Fair | Plotted freehand. | 297.4 | 9.7 | 10-20 | C | 2 |
| G34 | 8 | *Cupressus sp.* Cypress sp. | 13.0 | 1 | 40 | N 5.0 E 5.0 S 1.0 W 5.0 | 2.5 | 0.5 | Early Mature | Fair | | 72.4 | 4.8 | 10-20 | C | 2 |
| G35 | 2 | *Cupressus sp.* Cypress sp. | 10.0 | 1 | 36 | N 2.5 E 2.5 S 2.5 W 2.5 | 2.5 | 2.0 | Early Mature | Poor | | 58.6 | 4.3 | 10-20 | C | 2 |
| T36 | 1 | *Prunus sp.* Cherry sp. | 6.0 | 4 | 31 | N 5.0 E 6.0 S 4.0 W 2.0 | 2.5 | 2.5 | Early Mature | Fair | | 43.5 | 3.7 | 10-20 | C | 2 |
| G37 | 2 | *Cupressus sp.* Cypress sp. | 8.0 | 2 | 37 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.0 | 0.5 | Early Mature | Fair | | 63.7 | 4.5 | 10-20 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G38 | 12 | *Cupressus sp.*<br>Cypress sp. | 7.0 | 2 | 25 | N E S W<br>2.0 2.0 2.0 2.0 | 3.0 | 0.5 | Early Mature | Fair | | 28.8 | 3.0 | 10-20 | C | 2 |
| T39 | 1 | *Acer pseudoplatanus*<br>Sycamore | 10.0 | 2 | 36 | N E S W<br>6.0 5.0 4.0 4.0 | 0.5 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 61.2 | 4.4 | 20-40 | C | 2 |
| T40 | 1 | *Acer pseudoplatanus*<br>Sycamore | 6.0 | 2 | 27 | N E S W<br>4.0 3.0 3.0 4.0 | 0.5 | 1.0 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T41 | 1 | *Cupressus sp.*<br>Cypress sp. | 5.5 | 3 | 19 | N E S W<br>2.0 1.5 1.5 1.5 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 17.2 | 2.3 | 10-20 | C | 2 |
| T42 | 1 | *Acer pseudoplatanus*<br>Sycamore | 12.0 | 3 | 64 | N E S W<br>7.0 7.0 6.0 6.0 | 0.5 | 2.0 | Early Mature | Fair | | 186.1 | 7.7 | 10-20 | C | 2 |
| G43 | 8<br>7<br>5 | *Sambucus nigra*<br>Elder<br>*Cerasus avium*<br>Wild Cherry<br>*Cupressus sp.*<br>Cypress sp. | 9.0 | 2 | 26 | N E S W<br>2.5 2.5 2.5 2.5 | 0.5 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 32.8 | 3.2 | 10-20 | C | 2 |
| G44 | 2 | *Acer pseudoplatanus*<br>Sycamore | 11.0 | 1 | 34 | N E S W<br>8.0 6.5 1.0 4.0 | 1.0 | 2.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 52.3 | 4.1 | 20-40 | C | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G45 | 8<br>4<br>2 | *Cupressus sp.* Cypress sp.<br>*Acer pseudoplatanus* Sycamore<br>*Sambucus nigra* Elder | 10.0 | 2 | 24 | N E S W<br>3.5 3.5 3.5 3.5 | 1.5 | 1.0 | Early Mature | Fair | | 26.2 | 2.9 | 10-20 | C | 2 |
| T46 | 1 | *Sambucus nigra* Elder | 4.0 | 3 | 19 | N E S W<br>2.0 2.0 2.5 5.0 | 0.0 | 1.0 | Early Mature | Dead | | | | 0-10 | U | |
| T47 | 1 | *Acer pseudoplatanus* Sycamore | 10.0 | 1 | 24 | N E S W<br>1.0 5.0 6.0 4.0 | 2.5 | 3.5 | Early Mature | Fair | | 26.1 | 2.9 | 20-40 | C | 2 |
| T48 | 1 | *Chamaecyparis lawsoniana* Lawson Cypress | 15.0 | 1 | 58 | N E S W<br>1.5 7.0 6.0 4.0 | 1.0 | 0.5 | Early Mature | Good | | 152.2 | 7.0 | 20-40 | C | 2 |
| T49 | 1 | *Chamaecyparis lawsoniana* Lawson Cypress | 16.0 | 2 | 67 | N E S W<br>1.5 5.0 4.0 5.0 | 1.0 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 204.2 | 8.1 | 20-40 | C | 2 |
| G50 | 3 | *Chamaecyparis lawsoniana* Lawson Cypress | 16.0 | 1 | 50 | N E S W<br>2.0 5.0 2.0 5.0 | 1.5 | 0.5 | Early Mature | Good | | 113.1 | 6.0 | 20-40 | C | 2 |
| T51 | 1 | *Chamaecyparis lawsoniana* Lawson Cypress | 14.0 | 2 | 69 | N E S W<br>4.5 4.5 2.0 4.5 | 0.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 221.0 | 8.4 | 20-40 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G52 | 4<br>3<br>2<br>2<br>1<br>1<br>1 | *Viburnum opulus*<br>Guelder Rose<br>*Prunus spinosa*<br>Blackthorn/Sloe<br>*Laburnum anagyroides*<br>Common Laburnum (Golden Chain)<br>*Sambucus nigra*<br>Elder<br>*Ilex aquifolium*<br>Holly<br>*Juniperus sp.*<br>Juniper sp.<br>*Cerasus avium*<br>Wild Cherry | 5.0 | 3 | 18 | N 2.0 E 2.0 S 2.0 W 2.0 | 2.0 | 0.5 | Early Mature | Fair | | 15.6 | 2.2 | 10-20 | C | 2 |
| G53 | 6<br>1 | *Buddleja sp.*<br>Buddleja<br>*Sambucus nigra*<br>Elder | 4.0 | 4 | 13 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 7.8 | 1.6 | 10-20 | C | 2 |
| T54 | 1 | *Aesculus hippocastanum*<br>Horse Chestnut | 11.0 | 1 | 88 | N 8.0 E 10.0 S 8.0 W 6.0 | 1.0 | 3.0 | Early Mature | Fair | Foliar / bud damage - Insect. Physiological / cambial damage - Bacterial. | 350.3 | 10.6 | 10-20 | C | 2 |
| T55 | 1 | *Fraxinus excelsior*<br>Ash | 14.0 | 1 | 102 | N 12.0 E 10.0 S 8.0 W 11.0 | 1.0 | 3.0 | Mature | Fair | | 470.7 | 12.2 | 10-20 | C | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G56 | 18<br>15<br>3<br>3<br>3<br>3<br>1 | *Sambucus nigra* Elder<br>*Buddleja sp.* Buddleja<br>*Acer pseudoplatanus* Sycamore<br>*Fraxinus excelsior* Ash<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Acer campestre* Field Maple<br>*Prunus spinosa* Blackthorn/Sloe | 4.0 | 4 | 17 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Fair | | 13.6 | 2.1 | 10-20 | C | 2 |
| T57 | 1 | *Acer pseudoplatanus* Sycamore | 12.0 | 4 | 55 | N 8.0 E 7.0 S 6.0 W 4.5 | 1.0 | 0.5 | Early Mature | Good | | 140.9 | 6.7 | 20-40 | C | 2 |
| G58 | 2 | *Cupressus sp.* Cypress sp. | 15.0 | 1 | 68 | N 4.5 E 4.5 S 4.5 W 4.5 | 1.0 | 1.0 | Early Mature | Good | | 209.2 | 8.2 | 20-40 | B | 2 |
| T59 | 1 | *Acer pseudoplatanus* Sycamore | 15.0 | 1 | 70 | N 8.0 E 8.0 S 8.0 W 8.0 | 0.5 | 1.5 | Early Mature | Good | Base / stems obscured - Vegetation. | 221.7 | 8.4 | 20-40 | B | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G60 | 17<br>14<br>4 | *Acer pseudoplatanus* Sycamore<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Sambucus nigra* Elder | 7.0 | 2 | 16 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 1.0 | Semi Mature | Good | Dimensions reflect sycamore in group. | 12.2 | 2.0 | 40+ | C | 2 |
| G61 | 4 | *Crataegus monogyna* Common Hawthorn/Quick/May | 7.0 | 1 | 25 | N 3.0 E 3.0 S 3.0 W 3.0 | 0.5 | 1.0 | Early Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. | 28.3 | 3.0 | 20-40 | B | 2 |
| G62 | 100 | *Prunus spinosa* Blackthorn/Sloe | 3.5 | 3 | 11 | N 1.0 E 1.0 S 1.0 W 1.0 | 0.0 | 0.5 | Early Mature | Good | | 6.2 | 1.4 | 10-20 | C | 2 |
| T63 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 6.0 | 6 | | N 4.0 E 4.0 S 3.5 W 5.0 | 1.0 | 1.0 | Ancient or Veteran | Fair | Veteran tree (not ancient) x 4 veteran features (fungi, deadwood, rot sites and rot holes). | | | 10-20 | A | 3 |
| G64 | 5<br>1 | *Sambucus nigra* Elder<br>*Crataegus monogyna* Common Hawthorn/Quick/May | 4.5 | 4 | 21 | N 4.0 E 3.0 S 3.0 W 3.0 | 0.5 | 0.5 | Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 20.6 | 2.6 | 10-20 | C | 2 |
| T65 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.5 | 6 | 29 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.0 | 1.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 39.1 | 3.5 | 10-20 | C | 2 |
| T66 | 1 | *Acer campestre* Field Maple | 7.0 | 4 | 52 | N 5.5 E 5.5 S 5.5 W 5.0 | 0.5 | 0.5 | Early Mature | Good | | 122.9 | 6.3 | 20-40 | B | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T67 | 1 | *Acer campestre* Field Maple | 8.0 | 3 | 35 | N 5.0 E 6.0 S 6.0 W 1.0 | 1.0 | 1.0 | Early Mature | Good | | 56.7 | 4.2 | 20-40 | C | 2 |
| T68 | 1 | *Populus tremula* Aspen | 15.0 | 1 | 28 | N 2.0 E 2.0 S 2.0 W 2.0 | 4.0 | 3.0 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T69 | 1 | *Quercus robur* English Oak | 13.0 | 1 | 28 | N 4.0 E 6.5 S 3.0 W 2.0 | 1.0 | 1.5 | Early Mature | Fair | | 35.5 | 3.4 | 10-20 | C | 2 |
| T70 | 1 | *Fraxinus excelsior* Ash | 9.0 | 1 | 27 | N 4.5 E 2.5 S 2.0 W 5.0 | 1.0 | 2.0 | Early Mature | Fair | | 33.0 | 3.2 | 20-40 | C | 2 |
| T71 | 1 | *Fraxinus excelsior* Ash | 10.0 | 2 | 24 | N 2.5 E 5.0 S 1.5 W 2.5 | 3.0 | 4.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 26.2 | 2.9 | 10-20 | C | 2 |
| T72 | 1 | *Acer campestre* Field Maple | 8.5 | 8 | 73 | N 7.0 E 6.0 S 7.0 W 5.0 | 0.5 | 0.5 | Early Mature | Good | | 244.7 | 8.8 | 20-40 | B | 2 |
| G73 | 3 | *Fraxinus excelsior* Ash | 10.0 | 1 | 30 | N 5.0 E 5.0 S 5.0 W 5.0 | 1.5 | 2.0 | Early Mature | Fair | | 40.7 | 3.6 | 10-20 | C | 2 |
| G74 | 20 | *Populus tremula* Aspen | 10.0 | 1 | 13 | N 0.5 E 0.5 S 0.5 W 0.5 | 4.0 | 3.0 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T75 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 5.0 | 6 | 17 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 13.3 | 2.1 | 20-40 | C | 2 |
| T76 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.0 | 6 | 19 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Early Mature | Poor | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G77 | 3 | *Acer campestre* Field Maple | 5.0 | 1 | 13 | N 3.0 E 2.0 S 2.0 W 3.0 | 0.5 | 0.5 | Semi Mature | Good | | 7.6 | 1.6 | 20-40 | C | 2 |
| G78 | 4 | *Fraxinus excelsior* Ash | 11.0 | 1 | 28 | N 5.0 E 5.0 S 4.0 W 5.0 | 1.0 | 1.5 | Early Mature | Fair | | 35.5 | 3.4 | 20-40 | B | 2 |
| G79 | 3 | *Acer campestre* Field Maple | 8.0 | 1 | 32 | N 4.0 E 4.0 S 4.0 W 4.0 | 1.0 | 0.5 | Early Mature | Good | | 46.3 | 3.8 | 20-40 | B | 2 |
| T80 | 1 | *Fraxinus excelsior* Ash | 13.0 | 1 | 36 | NW 4.0 NE 8.5 SE 3.0 SW 5.0 | 1.5 | 2.0 | Early Mature | Fair | | 58.6 | 4.3 | 20-40 | C | 2 |
| T81 | 1 | *Populus tremula* Aspen | 11.0 | 1 | 18 | N 2.5 E 1.5 S 0.5 W 0.5 | 3.0 | 3.0 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T82 | 1 | *Fraxinus excelsior* Ash | 12.0 | 1 | 40 | N 8.0 E 7.0 S 7.5 W 6.0 | 1.5 | 2.0 | Early Mature | Fair | | 72.4 | 4.8 | 20-40 | B | 2 |
| T83 | 1 | *Fraxinus excelsior* Ash | 9.0 | 1 | 25 | N 2.0 E 2.0 S 5.0 W 4.0 | 4.0 | 2.5 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T84 | 1 | *Acer campestre* Field Maple | 5.0 | 1 | 27 | N 4.0 E 3.5 S 4.0 W 5.5 | 1.0 | 0.5 | Early Mature | Good | | 33.0 | 3.2 | 20-40 | B | 2 |
| T85 | 1 | *Acer campestre* Field Maple | 5.5 | 1 | 22 | N 1.5 E 2.0 S 2.5 W 3.0 | 1.0 | 1.0 | Early Mature | Fair | | 21.9 | 2.6 | 10-20 | C | 2 |
| T86 | 1 | *Acer campestre* Field Maple | 7.0 | 3 | 34 | N 1.5 E 3.5 S 4.0 W 4.0 | 1.0 | 0.5 | Early Mature | Fair | | 52.7 | 4.1 | 20-40 | C | 2 |
| T87 | 1 | *Quercus robur* English Oak | 10.0 | 1 | 33 | N 4.5 E 7.0 S 4.0 W 4.5 | 0.5 | 1.0 | Early Mature | Good | | 49.3 | 4.0 | 20-40 | B | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T88 | 1 | *Acer campestre*<br>Field Maple | 6.0 | 2 | 25 | N E S W<br>4.5 2.0 0.5 4.0 | 1.0 | 1.0 | Early Mature | Fair | | 29.4 | 3.1 | 10-20 | C | 2 |
| G89 | 2 | *Acer campestre*<br>Field Maple | 10.0 | 2 | 46 | N E S W<br>4.0 7.0 4.5 5.0 | 1.0 | 1.0 | Early Mature | Good | | 96.1 | 5.5 | 20-40 | B | 2 |
| T90 | 1 | *Fraxinus excelsior*<br>Ash | 11.0 | 1 | 38 | N E S W<br>7.0 8.0 2.0 6.0 | 2.0 | 2.0 | Early Mature | Fair | | 65.3 | 4.6 | 10-20 | C | 2 |
| T91 | 1 | *Fraxinus excelsior*<br>Ash | 10.0 | 1 | 49 | N E S W<br>7.0 7.0 5.0 5.0 | 1.0 | 1.0 | Early Mature | Good | | 108.6 | 5.9 | 20-40 | B | 2 |
| G92 | 18<br>4<br>2<br>1<br>1 | *Acer campestre*<br>Field Maple<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Sambucus nigra*<br>Elder<br>*Fraxinus excelsior*<br>Ash<br>*Ilex aquifolium*<br>Holly | 5.0 | 1 | 12 | N E S W<br>2.0 2.0 2.0 2.0 | 1.0 | 0.5 | Semi Mature | Good | Natural regeneration. Young planted tree / trees. | 6.5 | 1.4 | 40+ | C | 2 |
| T93 | 1 | *Sambucus nigra*<br>Elder | 3.5 | 8 | 22 | N E S W<br>2.5 2.5 2.5 2.5 | 1.0 | 0.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 23.2 | 2.7 | 10-20 | C | 2 |
| T94 | 1 | *Cerasus avium*<br>Wild Cherry | 8.0 | 10 | 41 | N E S W<br>4.0 4.0 4.0 4.0 | 1.5 | 0.5 | Early Mature | Good | | 76.5 | 4.9 | 20-40 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T95 | 1 | *Acer pseudoplatanus*<br>Sycamore | 8.0 | 8 | 39 | N E S W<br>4.0 4.0 4.0 4.0 | 1.0 | 1.0 | Early Mature | Good | | 70.9 | 4.8 | 20-40 | C | 2 |
| T96 | 1 | *Cerasus avium*<br>Wild Cherry | 4.5 | 2 | 13 | N E S W<br>3.0 5.0 1.0 0.0 | 1.0 | 1.0 | Semi Mature | Good | | 8.4 | 1.6 | 20-40 | C | 2 |
| G97 | 2 | *Sambucus nigra*<br>Elder | 3.5 | 4 | 14 | N E S W<br>1.5 1.5 2.0 2.0 | 1.0 | 0.5 | Early Mature | Fair | | 9.0 | 1.7 | 10-20 | C | 2 |
| T98 | 1 | *Salix sp.*<br>Willow sp. | 6.0 | 2 | 41 | N E S W<br>5.0 5.0 5.0 5.0 | 1.0 | 1.0 | Early Mature | Good | | 76.7 | 4.9 | 20-40 | B | 2 |
| G99 | 7<br>1 | *Sambucus nigra*<br>Elder<br>*Buddleja sp.*<br>Buddleja | 4.0 | 5 | 17 | N E S W<br>2.0 2.0 2.0 2.0 | 1.0 | 0.5 | Early Mature | Good | | 13.6 | 2.1 | 10-20 | C | 2 |
| T100 | 1 | *Sambucus nigra*<br>Elder | 3.0 | 6 | 24 | N E S W<br>2.5 2.5 2.5 2.5 | 0.5 | 0.5 | Early Mature | Good | | 27.1 | 2.9 | 10-20 | C | 2 |
| T101 | 1 | *Thuja plicata*<br>Western Red Cedar | 4.0 | 1 | 15 | N E S W<br>1.0 3.0 1.5 1.0 | 0.5 | 1.0 | Semi Mature | Good | Base / stems obscured - Vegetation. | 10.2 | 1.8 | 20-40 | C | 2 |
| T102 | 1 | *Sambucus nigra*<br>Elder | 3.0 | 3 | 14 | N E S W<br>1.5 2.0 1.5 1.5 | 0.5 | 0.5 | Early Mature | Good | | 9.5 | 1.7 | 10-20 | C | 2 |
| T103 | 1 | *Buddleja sp.*<br>Buddleja | 4.0 | 15 | 23 | N E S W<br>5.0 5.0 5.0 5.0 | 0.0 | 0.5 | Early Mature | Good | | 24.4 | 2.8 | 10-20 | C | 2 |
| T104 | 1 | *Cerasus avium*<br>Wild Cherry | 8.0 | 3 | 26 | N E S W<br>1.0 4.0 5.0 4.0 | 1.0 | 0.5 | Early Mature | Good | | 32.3 | 3.2 | 20-40 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G105 | 4 | *Sambucus nigra*<br>Elder | 3.0 | 3 | 23 | N E S W<br>2.0 2.0 2.0 2.0 | 1.0 | 1.0 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T106 | 1 | *Acer pseudoplatanus*<br>Sycamore | 11.0 | 6 | 80 | N E S W<br>9.0 8.0 7.0 7.0 | 0.5 | 0.0 | Early Mature | Good | | 295.6 | 9.7 | 20-40 | C | 2 |
| G107 | 3<br>2<br>2<br>1<br>1<br>1 | *Acer pseudoplatanus*<br>Sycamore<br>*Buddleja sp.*<br>Buddleja<br>*Sambucus nigra*<br>Elder<br>*Acer campestre*<br>Field Maple<br>*Fraxinus excelsior*<br>Ash<br>*Salix sp.*<br>Willow sp. | 6.0 | 1 | 18 | N E S W<br>3.0 3.0 3.0 3.0 | 0.5 | 1.0 | Semi Mature | Good | | 14.7 | 2.2 | 20-40 | C | 2 |
| G108 | 4 | *Cupressus sp.*<br>Cypress sp. | 10.0 | 6 | 61 | N E S W<br>3.5 3.5 3.5 3.5 | 0.0 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. | 169.6 | 7.3 | 20-40 | B | 2 |
| T109 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 3.5 | 2 | 12 | N E S W<br>2.0 1.5 1.5 2.0 | 1.0 | 0.5 | Semi Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 6.6 | 1.4 | 20-40 | C | 2 |
| T110 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 4.5 | 3 | 14 | N E S W<br>2.5 2.0 2.5 2.5 | 1.0 | 0.5 | Semi Mature | Fair | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 9.0 | 1.7 | 10-20 | C | 2 |

# Luton Airport
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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T111 | 1 | *Cerasus avium*<br>Wild Cherry | 8.5 | 1 | 30 | N E S W<br>5.0 6.0 5.0 5.0 | 1.0 | 2.0 | Early Mature | Good | Base / stems obscured - Vegetation. | 40.7 | 3.6 | 20-40 | B | 2 |
| T112 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 4.0 | 3 | 10 | N E S W<br>2.0 2.0 2.5 2.5 | 0.5 | 0.5 | Semi Mature | Good | Not on topographical survey, plotted freehand. | 5.0 | 1.3 | 20-40 | C | 2 |
| G113 | 4 | *Cupressus sp.*<br>Cypress sp. | 10.0 | 1 | 24 | N E S W<br>2.0 2.0 2.0 2.0 | 1.0 | 0.5 | Early Mature | Fair | | 26.1 | 2.9 | 10-20 | C | 2 |
| G114 | 3<br>2<br>2<br>1 | *Euonymus sp.*<br>Spindle<br>*Sambucus nigra*<br>Elder<br>*Cotoneaster sp.*<br>Tree Cotoneaster<br>*Cornus sp.*<br>Dogwood sp. | 4.0 | 2 | 16 | N E S W<br>3.0 3.0 3.0 3.0 | 0.0 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G115 | 14 | *Cupressus sp.*<br>Cypress sp. | 12.0 | 2 | 22 | N E S W<br>3.0 3.0 3.0 3.0 | 0.0 | 0.5 | Early Mature | Fair | | 23.3 | 2.7 | 10-20 | C | 2 |
| T116 | 1 | *Fraxinus excelsior*<br>Ash | 14.0 | 2 | 43 | N E S W<br>7.0 7.0 7.0 7.0 | 5.0 | 3.0 | Early Mature | Fair | Base / stems obscured - Vegetation. | 85.3 | 5.2 | 10-20 | C | 2 |
| T117 | 1 | *Cupressus sp.*<br>Cypress sp. | 13.0 | 5 | 80 | N E S W<br>4.5 4.5 4.5 7.5 | 1.0 | 0.5 | Mature | Good | | 295.2 | 9.7 | 20-40 | B | 2 |
| T118 | 1 | *Fraxinus excelsior*<br>Ash | 7.0 | 1 | 15 | N E S W<br>4.0 4.5 1.5 3.0 | 2.0 | 2.0 | Semi Mature | Fair | | 10.2 | 1.8 | 10-20 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G119 | 2 | *Sambucus nigra* Elder | 4.0 | 2 | 16 | N 2.5 E 2.5 S 1.0 W 2.5 | 1.0 | 2.0 | Early Mature | Fair | | 12.2 | 2.0 | 10-20 | C | 2 |
| T120 | 1 | *Sambucus nigra* Elder | 4.0 | 2 | 12 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.5 | 0.5 | Semi Mature | Fair | | 6.7 | 1.5 | 10-20 | C | 2 |
| T121 | 1 | *Fraxinus excelsior* Ash | 18.0 | 1 | 88 | N 10.0 E 10.0 S 10.0 W 9.0 | 1.0 | 2.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. | 350.3 | 10.6 | 10-20 | C | 2 |
| T122 | 1 | *Cerasus avium* Wild Cherry | 13.0 | 2 | 36 | N 5.0 E 5.0 S 6.0 W 6.0 | 2.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. | 61.5 | 4.4 | 10-20 | C | 2 |
| T123 | 1 | *Fraxinus excelsior* Ash | 16.0 | 1 | 90 | N 8.0 E 8.0 S 7.0 W 8.0 | 3.0 | 3.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. | 366.4 | 10.8 | 10-20 | C | 2 |
| T124 | 1 | *Malus sp.* Apple sp. | 8.0 | 1 | 38 | N 5.0 E 5.0 S 5.0 W 9.0 | 1.0 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. | 65.3 | 4.6 | 20-40 | B | 2 |
| T125 | 1 | *Sorbus intermedia* Swedish Whitebeam | 9.0 | 1 | 30 | N 4.0 E 4.5 S 5.0 W 3.0 | 2.0 | 1.0 | Early Mature | Fair | | 40.7 | 3.6 | 10-20 | C | 2 |
| T126 | 1 | *Prunus sp.* Cherry sp. | 9.0 | 1 | 22 | N 0.5 E 2.0 S 3.5 W 2.5 | 5.0 | 2.0 | Early Mature | Poor | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T127 | 1 | *Sorbus intermedia* Swedish Whitebeam | 10.0 | 2 | 31 | N 3.0 E 3.0 S 4.5 W 4.0 | 1.0 | 2.0 | Early Mature | Fair | | 45.8 | 3.8 | 10-20 | C | 2 |
| T128 | 1 | *Cerasus avium* Wild Cherry | 14.0 | 2 | 40 | N 6.0 E 4.5 S 6.0 W 5.0 | 1.0 | 1.0 | Early Mature | Fair | | 74.6 | 4.9 | 10-20 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T129 | 1 | *Juglans regia*<br>Walnut | 15.0 | 2 | 46 | N E S W<br>5.0 5.0 4.5 5.0 | 1.0 | 1.5 | Early Mature | Good | | 98.6 | 5.6 | 20-40 | B | 2 |
| T130 | 1 | *Juglans regia*<br>Walnut | 15.0 | 1 | 48 | N E S W<br>6.0 5.0 5.0 6.0 | 1.0 | 1.5 | Early Mature | Good | | 104.2 | 5.8 | 20-40 | B | 2 |
| G131 | 15<br>15<br>8<br>3<br>1 | *Sambucus nigra*<br>Elder<br>*Prunus sp.*<br>Cherry sp.<br>*Prunus spinosa*<br>Blackthorn/Sloe<br>*Malus sp.*<br>Apple sp.<br>*Acer pseudoplatanus*<br>Sycamore | 6.0 | 1 | 20 | N E S W<br>3.5 3.5 3.5 3.5 | 0.0 | 0.5 | Early Mature | Fair | Fallen tree / trees - Whole tree. Natural regeneration. | 18.1 | 2.4 | 10-20 | C | 2 |
| G132 | 40<br>20<br>1<br>1<br>1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Ulmus sp.*<br>Elm sp.<br>*Ilex aquifolium*<br>Holly<br>*Fraxinus excelsior*<br>Ash<br>*Sambucus nigra*<br>Elder | 2.5 | 2 | 15 | N E S W<br>0.5 1.0 0.5 1.0 | 0.5 | 0.5 | Early Mature | Good | Hedgerow - Neglected / overgrown. | 11.0 | 1.9 | 20-40 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G133 | 33<br>1 | *Cupressus sp.*<br>Cypress sp.<br>*Ulmus sp.*<br>Elm sp. | 10.0 | 1 | 35 | N E S W<br>2.5 2.5 2.5 2.5 | 0.0 | 0.5 | Early Mature | Fair | | 55.4 | 4.2 | 10-20 | C | 2 |
| G134 | 2 | *Cupressus sp.*<br>Cypress sp. | 15.0 | 4 | 48 | N E S W<br>3.0 3.0 3.0 3.0 | 2.0 | 0.5 | Early Mature | Good | | 105.1 | 5.8 | 20-40 | B | 2 |
| T135 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 5.0 | 2 | 32 | N E S W<br>3.0 4.0 2.5 2.5 | 2.0 | 1.5 | Early Mature | Poor | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 46.4 | 3.8 | 10-20 | C | 2 |
| G136 | 3<br>3 | *Sambucus nigra*<br>Elder<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May | 3.5 | 2 | 21 | N E S W<br>2.5 2.5 2.5 2.5 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 20.4 | 2.6 | 10-20 | C | 2 |
| T137 | 1 | *Carpinus betulus*<br>Hornbeam | 9.0 | 1 | 49 | N E S W<br>4.0 9.0 7.0 0.0 | 1.0 | 2.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 108.6 | 5.9 | 20-40 | C | 2 |
| T138 | 1 | *Carpinus betulus*<br>Hornbeam | 9.0 | 5 | 72 | N E S W<br>7.0 6.0 6.0 6.0 | 1.5 | 2.0 | Mature | Fair | Coppice stool - Coppice origin / Mature stems. Historic coppice stool.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 235.7 | 8.7 | 20-40 | B | 2<br>3 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T139 | 1 | *Quercus robur*<br>English Oak | 5.0 | 1 | 15 | N E S W<br>3.0 3.0 2.0 2.0 | 1.5 | 1.5 | Semi Mature | Good | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 10.2 | 1.8 | 40+ | B | 2 |
| G140 | 25<br>3 | *Prunus spinosa*<br>Blackthorn/Sloe<br>*Sambucus nigra*<br>Elder | 3.5 | 6 | 17 | N E S W<br>1.5 1.5 1.5 1.5 | 0.0 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 13.3 | 2.1 | 10-20 | C | 2 |
| G141 | 4<br>1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Sambucus nigra*<br>Elder | 4.0 | 3 | 22 | N E S W<br>2.5 2.5 2.5 2.5 | 1.0 | 0.5 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T142 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 5.5 | 1 | 51 | N E S W<br>4.5 3.0 3.0 4.5 | 0.5 | 1.5 | Mature | Fair | | 117.7 | 6.1 | 10-20 | C | 2<br>3 |
| T143 | 1 | *Quercus robur*<br>English Oak | 3.5 | 1 | 8 | N E S W<br>2.0 2.0 2.0 2.0 | 0.5 | 0.5 | Semi Mature | Good | Not on topographical survey, plotted freehand. | 2.9 | 1.0 | 40+ | C | 2 |
| T144 | 1 | *Acer campestre*<br>Field Maple | 5.0 | 2 | 39 | N E S W<br>3.0 5.0 3.0 3.5 | 0.5 | 0.5 | Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T145 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 6.5 | 2 | 48 | N E S W<br>4.0 3.0 4.0 3.0 | 1.5 | 1.5 | Mature | Poor | | 107.9 | 5.9 | 10-20 | C | 3 |
| T146 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 6.5 | 2 | 42 | N E S W<br>4.0 6.0 1.0 2.0 | 2.0 | 2.0 | Mature | Poor | | 81.8 | 5.1 | 10-20 | C | 3 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T147 | 1 | *Acer campestre*<br>Field Maple | 5.0 | 1 | 26 | N 3.5 E 2.0 S 2.0 W 3.0 | 0.5 | 0.0 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G148 | 1<br>1 | *Sambucus nigra*<br>Elder<br>*Corylus avellana*<br>Common Hazel | 4.5 | 6 | 24 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Early Mature | Fair | | 27.1 | 2.9 | 10-20 | C | 2 |
| T149 | 1 | *Fraxinus excelsior*<br>Ash | 12.0 | 2 | 56 | N 6.0 E 6.0 S 6.5 W 2.0 | 4.0 | 4.0 | Early Mature | Fair | Coppice stool - Coppice origin / Mature stems. Not on topographical survey, plotted freehand. Historic ash coppice stool. | 144.8 | 6.8 | 20-40 | B | 2<br>3 |
| T150 | 1 | *Fraxinus excelsior*<br>Ash | 13.5 | 2 | 47 | N 5.0 E 5.0 S 7.0 W 0.5 | 3.5 | 5.0 | Mature | Fair | Coppice stool - Coppice origin / Mature stems. Not on topographical survey, plotted freehand. Historic ash coppice stool. | 100.0 | 5.6 | 20-40 | B | 2<br>3 |
| T151 | 1 | *Fraxinus excelsior*<br>Ash | 13.0 | 4 | 61 | N 6.5 E 3.5 S 6.5 W 5.0 | 3.5 | 4.0 | Mature | Fair | Coppice stool - Coppice origin / Mature stems. Not on topographical survey, plotted freehand. Historic ash coppice stool. | 170.6 | 7.4 | 20-40 | B | 2<br>3 |
| T152 | 1 | *Fraxinus excelsior*<br>Ash | 8.0 | 2 | 50 | N 2.0 E 6.0 S 11.0 W 4.0 | 3.0 | 3.0 | Mature | Fair | Base / stems obscured - Vegetation. Coppice stool - Coppice origin / Mature stems. Not on topographical survey, plotted freehand. Historic ash coppice stool. | 113.6 | 6.0 | 20-40 | B | 2<br>3 |
| T153 | 1 | *Quercus robur*<br>English Oak | 11.0 | 1 | 82 | N 6.0 E 6.0 S 7.0 W 7.0 | 4.0 | 2.5 | Mature | Fair | Base / stems obscured - Vegetation. Fungal fruiting body - structural decay suspected. Not on topographical survey, plotted freehand. Potential veteran. | 304.2 | 9.8 | 20-40 | B | 2 |
| T154 | 1 | *Quercus robur*<br>English Oak | 13.0 | 1 | 97 | N 8.0 E 9.0 S 9.0 W 6.0 | 2.0 | 6.0 | Early Mature | Good | | 425.7 | 11.6 | 40+ | B | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T155 | 1 | *Quercus robur*<br>English Oak | 11.0 | 1 | 85 | N 6.0 E 4.0 S 2.0 W 2.0 | 7.0 | 6.0 | Mature | Poor | Base / stems obscured - Vegetation. Potential future veteran. | 326.9 | 10.2 | 10-20 | C | 2<br>3 |
| G156 | 5 | *Fraxinus excelsior*<br>Ash | 15.0 | 2 | 60 | N 5.0 E 7.0 S 10.0 W 7.0 | 3.0 | 4.0 | Ancient or Veteran | Fair | Coppice stool - Coppice origin / Mature stems. Historic ash coppice. Plotted freehand, not on topographical survey. | 167.2 | 7.3 | 20-40 | B | 3 |
| T157 | 1 | *Quercus robur*<br>English Oak | 17.0 | 1 | 64 | N 6.0 E 8.0 S 8.0 W 5.0 | 3.0 | 3.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 185.3 | 7.7 | 20-40 | B | 2 |
| T158 | 1 | *Fraxinus excelsior*<br>Ash | 14.0 | 1 | 53 | N 3.0 E 8.5 S 8.0 W 7.0 | 2.0 | 3.0 | Mature | Fair | Coppice stool - Coppice origin / Mature stems. Not on topographical survey, plotted freehand. | 127.1 | 6.4 | 20-40 | B | 2 |
| T159 | 1 | *Quercus robur*<br>English Oak | 17.0 | 1 | 74 | N 6.0 E 8.0 S 8.0 W 7.0 | 4.0 | 7.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 247.7 | 8.9 | 40+ | B | 2 |
| T160 | 1 | *Acer campestre*<br>Field Maple | 12.0 | 2 | 49 | N 3.0 E 5.0 S 8.5 W 7.0 | 1.0 | 0.5 | Mature | Good | Coppice stool - Coppice origin / Mature stems. Historic coppice stool. Not on topographical survey, plotted freehand. | 111.6 | 6.0 | 20-40 | B | 2<br>3 |
| T161 | 1 | *Quercus robur*<br>English Oak | 17.0 | 1 | 78 | N 6.0 E 8.0 S 8.0 W 8.0 | 5.0 | 5.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 275.2 | 9.4 | 40+ | B | 2 |
| T162 | 1 | *Quercus robur*<br>English Oak | 16.0 | 1 | 79 | N 8.0 E 8.0 S 8.0 W 8.0 | 3.5 | 3.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 282.3 | 9.5 | 40+ | B | 2 |
| T163 | 1 | *Fraxinus excelsior*<br>Ash | 15.0 | 3 | 74 | N 8.0 E 8.0 S 11.0 W 10.0 | 4.0 | 4.0 | Ancient or Veteran | Good | Coppice stool - Coppice origin / Mature stems. Ancient ash coppice stool. Limited veteran features<br><br>Not on topographical survey, plotted freehand. | 252.3 | 9.0 | 20-40 | A | 3 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T164 | 1 | *Quercus robur*<br>English Oak | 18.0 | 1 | 74 | N E S W<br>7.0 6.0 10.0 8.0 | 5.0 | 3.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 247.7 | 8.9 | 40+ | B | 2 |
| T165 | 1 | *Malus sp.*<br>Apple sp. | 8.0 | 1 | 48 | N E S W<br>5.0 7.0 5.0 4.0 | 2.0 | 3.0 | Mature | Fair | Presumed apple on topo. Not on topographical survey, plotted freehand. | 104.2 | 5.8 | 10-20 | C | 2<br>3 |
| T166 | 1 | *Quercus robur*<br>English Oak | 13.0 | 1 | 102 | N E S W<br>8.0 8.0 11.0 10.0 | 1.0 | 6.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 470.7 | 12.2 | 20-40 | B | 2 |
| T167 | 1 | *Acer campestre*<br>Field Maple | 12.0 | 1 | 59 | N E S W<br>12.0 5.0 4.5 4.0 | 2.0 | 3.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 157.5 | 7.1 | 20-40 | B | 2 |
| T168 | 1 | *Fraxinus excelsior*<br>Ash | 16.0 | 4 | 46 | N E S W<br>10.0 4.0 4.0 6.0 | 2.0 | 2.0 | Ancient or Veteran | Fair | Coppice stool - Coppice origin / Mature stems. Ancient coppice stool.<br>x3 Veteran features (hollowing, rot sites, rot holes).<br>Not on topographical survey, plotted freehand. | 97.6 | 5.6 | 20-40 | A | 3 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G169 | 200<br>100<br>60<br>50<br>40<br>28<br>20<br>15<br>12<br>5<br>3 | *Carpinus betulus* Hornbeam<br>*Cerasus avium* Wild Cherry<br>*Acer campestre* Field Maple<br>*Ilex aquifolium* Holly<br>*Fraxinus excelsior* Ash<br>*Cupressus sp.* Cypress sp.<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Ulmus sp.* Elm sp.<br>*Laurocerasus officinalis* Cherry Laurel<br>*Malus sp.* Apple sp.<br>*Quercus robur* English Oak | 12.0 | 1 | 35 | N 5.0 E 5.0 S 5.0 W 5.0 | 2.0 | 2.0 | Early Mature | Good | Coppice stool - Coppice origin / Mature stems. Natural regeneration. Historic hornbeam coppice with oak standards. The eastern end of the wood contains the largest hornbeam stools.Ash, field maple and hawthorn along southern boundary have also been historically coppiced. Frequent self seeded wild cherry throughout becoming dominant at western end. Conifers have been planted towards the western end.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 55.4 | 4.2 | 20-40 | B | 2<br>3 |
| T170 | 1 | *Quercus robur* English Oak | 16.0 | 1 | 86 | N 10.0 E 8.0 S 12.0 W 10.0 | 5.0 | 5.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 334.6 | 10.3 | 40+ | B | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G171 | 200<br>150<br>120<br>10<br>8<br>2<br>2 | *Cupressus sp.* Cypress sp.<br>*Picea abies* Norway Spruce<br>*Pinus sylvestris* Scots Pine<br>*Fagus sylvatica* Common Beech<br>*Cerasus avium* Wild Cherry<br>*Quercus robur* English Oak<br>*Carpinus betulus* Hornbeam | 14.0 | 1 | 30 | N 3.5 E 3.5 S 3.5 W 3.5 | 2.0 | 4.0 | Early Mature | Fair | Plantation of Norway spruce, Scots pine, Cupressus. Somel occasional beech, and rare oak, hornbeam and cherry at northern end.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 40.7 | 3.6 | 20-40 | C | 2 |
| T172 | 1 | *Quercus robur* English Oak | 19.0 | 1 | 49 | N 7.0 E 10.0 S 6.0 W 0.0 | 1.5 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 108.6 | 5.9 | 20-40 | B | 2 |
| T173 | 1 | *Quercus robur* English Oak | 16.0 | 1 | 132 | N 11.0 E 12.0 S 11.0 W 14.0 | 2.0 | 3.0 | Ancient or Veteran | Good | Veteran tree (not ancient) x 4 features (fungi-Innonotus dryadus, deadwood, rot sites and rot holes).<br>CAVAT Structural Value reduced to 50% because Life Stage, Stem Diameter and Height do not appear to match. | 706.9 | 15.0 | 40+ | A | 2<br>3 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T174 | 1 | *Acer campestre*<br>Field Maple | 6.5 | 7 | 44 | N E S W<br>6.0 4.0 3.0 6.0 | 0.5 | 1.5 | Ancient or Veteran | Fair | Base / stems obscured - Vegetation. Coppice stool - Coppice origin / Mature stems. Historic coppice/coppard stool.<br>Ancient and veteran tree.<br>x4 veteran features.<br>Not on topographical survey, plotted freehand. | 91.5 | 5.4 | 20-40 | A | 2<br>3 |
| T175 | 1 | *Quercus robur*<br>English Oak | 10.0 | 2 | 73 | N E S W<br>6.0 7.0 7.0 9.0 | 2.0 | 3.0 | Early Mature | Good | Base / stems obscured - Vegetation. | 246.6 | 8.9 | 40+ | B | 2 |
| T176 | 1 | *Quercus robur*<br>English Oak | 12.0 | 1 | 75 | N E S W<br>9.0 7.0 5.0 7.0 | 2.0 | 3.0 | Early Mature | Good | | 254.5 | 9.0 | 40+ | B | 2 |
| T177 | 1 | *Fagus sylvatica*<br>Common Beech | 12.0 | 1 | 66 | N E S W<br>4.0 7.0 8.0 7.0 | 2.0 | 5.0 | Early Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. Some veteran features but early mature life stage. | 197.1 | 7.9 | 20-40 | B | 2<br>3 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G178 | 65<br>35<br>10<br>8<br>6<br>5 | *Fagus sylvatica* Common Beech<br>*Cupressus sp.* Cypress sp.<br>*Corylus avellana* Common Hazel<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Pinus sylvestris* Scots Pine<br>*Sambucus nigra* Elder | 12.0 | 1 | 30 | N 4.0 E 4.0 S 4.0 W 4.0 | 3.0 | 3.0 | Early Mature | Fair | | 40.7 | 3.6 | 20-40 | C | 2 |
| T179 | 1 | *Ilex aquifolium* Holly | 5.0 | 4 | 20 | N 2.0 E 3.0 S 2.0 W 2.0 | 0.5 | 1.0 | Early Mature | Good | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.5 | 2.4 | 20-40 | C | 2 |
| T180 | 1 | *Prunus spinosa* Blackthorn/Sloe | 2.5 | 6 | 14 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 9.8 | 1.8 | 10-20 | C | 2 |
| T181 | 1 | *Ilex aquifolium* Holly | 6.0 | 1 | 34 | N 3.0 E 3.0 S 3.0 W 3.0 | 0.5 | 1.0 | Early Mature | Good | | 52.3 | 4.1 | 20-40 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G182 | 100<br>10<br>6<br>2 | *Prunus spinosa* Blackthorn/Sloe<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Acer campestre* Field Maple<br>*Ilex aquifolium* Holly | 7.0 | 4 | 23 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Early Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. Dimensions reflect larger trees in group.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 25.7 | 2.9 | 20-40 | C | 2 |
| G183 | 50<br>40<br>5 | *Prunus spinosa* Blackthorn/Sloe<br>*Sambucus nigra* Elder<br>*Crataegus monogyna* Common Hawthorn/Quick/May | 5.0 | 6 | 24 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. | 27.1 | 2.9 | 10-20 | C | 2 |
| T184 | 1 | *Acer campestre* Field Maple | 6.0 | 6 | 36 | N 4.0 E 5.0 S 4.0 W 4.0 | 0.5 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. Coppice stool - Coppice origin / Mature stems. Not on topographical survey, plotted freehand. | 61.1 | 4.4 | 20-40 | B | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G185 | 35<br>5<br>5<br>5 | *Prunus spinosa* Blackthorn/Sloe<br>*Corylus avellana* Common Hazel<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Sambucus nigra* Elder | 6.0 | 6 | 14 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Early Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 9.8 | 1.8 | 10-20 | C | 2 |
| G186 | 50 | *Prunus spinosa* Blackthorn/Sloe | 3.0 | 4 | 10 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Early Mature | Good | | 4.7 | 1.2 | 10-20 | C | 2 |
| T187 | 1 | *Acer campestre* Field Maple | 6.0 | 7 | 34 | NW 2.5 NE 4.0 SE 2.5 SW 4.0 | 0.5 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 53.5 | 4.1 | 20-40 | C | 2 |
| G188 | 100<br>7<br>1 | *Prunus spinosa* Blackthorn/Sloe<br>*Corylus avellana* Common Hazel<br>*Sambucus nigra* Elder | 2.5 | 6 | 17 | NW 1.5 NE 1.0 SE 1.5 SW 1.0 | 0.0 | 0.5 | Early Mature | Good | Hedgerow - Maintained.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 13.3 | 2.1 | 10-20 | C | 2 |
| T189 | 1 | *Ilex aquifolium* Holly | 6.0 | 6 | 39 | NW 2.5 NE 3.5 SE 2.5 SW 3.5 | 1.5 | 1.0 | Early Mature | Good | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 69.5 | 4.7 | 20-40 | C | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G190 | 100<br>8<br>5<br>2 | *Prunus spinosa* Blackthorn/Sloe<br>*Acer campestre* Field Maple<br>*Sambucus nigra* Elder<br>*Ilex aquifolium* Holly | 3.5 | 4 | 18 | NW 1.0 NE 2.0 SE 1.0 SW 2.0 | 0.0 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. Hedgerow - Neglected / overgrown.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 15.6 | 2.2 | 20-40 | C | 2 |
| G191 | 10<br>2 | *Prunus spinosa* Blackthorn/Sloe<br>*Sambucus nigra* Elder | 2.5 | 4 | 9 | NW 0.5 NE 1.5 SE 0.5 SW 1.5 | 0.0 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 3.8 | 1.1 | 10-20 | C | 2 |
| G192 | 14<br>1 | *Prunus spinosa* Blackthorn/Sloe<br>*Crataegus monogyna* Common Hawthorn/Quick/May | 2.5 | 4 | 11 | NW 0.5 NE 1.5 SE 0.5 SW 1.5 | 0.0 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 6.0 | 1.4 | 10-20 | C | 2 |
| T193 | 1 | *Malus sp.* Apple sp. | 4.5 | 5 | 19 | NW 2.0 NE 3.0 SE 2.0 SW 3.0 | 1.0 | 1.0 | Early Mature | Good | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 16.5 | 2.3 | 20-40 | C | 2 |
| G194 | 6<br>3 | *Ilex aquifolium* Holly<br>*Sambucus nigra* Elder | 8.0 | 6 | 48 | N 4.0 E 4.0 S 4.0 W 4.0 | 0.0 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. Multi-stemmed. Dimensions reflect 4 largesr holly in group.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 108.6 | 5.9 | 10-20 | C | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G195 | 5<br>1<br>1 | *Ilex aquifolium* Holly<br>*Sambucus nigra* Elder<br>*Crataegus monogyna* Common Hawthorn/Quick/May | 8.0 | 6 | 44 | N E S W<br>4.0 4.0 4.0 4.0 | 0.0 | 2.5 | Early Mature | Good | Base / stems obscured - Vegetation. Multi-stemmed. Dimensions reflect holly in group.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 87.9 | 5.3 | 10-20 | C | 2 |
| T196 | 1 | *Quercus robur* English Oak | 6.0 | 4 | 65 | N E S W<br>5.0 6.0 5.0 6.5 | 0.0 | 2.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 196.1 | 7.9 | 10-20 | C | 2 |
| G197 | 4 | *Sambucus nigra* Elder | 4.0 | 4 | 20 | N E S W<br>2.0 2.0 2.0 2.0 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.5 | 2.4 | 10-20 | C | 2 |
| G198 | 3<br>3 | *Ilex aquifolium* Holly<br>*Sambucus nigra* Elder | 6.0 | 4 | 34 | N E S W<br>3.0 3.5 3.0 3.5 | 1.0 | 1.0 | Early Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. Dimensions reflect holly in group.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 53.2 | 4.1 | 20-40 | C | 2 |
| T199 | 1 | *Sambucus nigra* Elder | 2.0 | 6 | 7 | N E S W<br>0.5 0.5 0.5 0.5 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 2.4 | 0.9 | 10-20 | C | 2 |
| T200 | 1 | *Fraxinus excelsior* Ash | 4.5 | 6 | 48 | N E S W<br>4.0 3.0 3.0 4.0 | 0.5 | 1.0 | Early Mature | Fair | Epicormic growth - Base. Fallen tree / trees - Partial collapse.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G201 | 4<br>1 | *Ilex aquifolium*<br>Holly<br>*Sambucus nigra*<br>Elder | 6.0 | 4 | 26 | N E S W<br>2.5 2.5 2.5 2.5 | 0.0 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 30.8 | 3.1 | 20-40 | C | 2 |
| T202 | 1 | *Ilex aquifolium*<br>Holly | 6.0 | 6 | 39 | N E S W<br>3.0 3.0 2.5 3.0 | 1.0 | 1.0 | Early Mature | Fair | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 69.5 | 4.7 | 10-20 | C | 2 |
| G203 | 2<br>1<br>1 | *Euonymus sp.*<br>Spindle<br>*Sambucus nigra*<br>Elder<br>*Ilex aquifolium*<br>Holly | 3.0 | 4 | 12 | N E S W<br>2.0 2.0 2.0 2.0 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 6.9 | 1.5 | 10-20 | C | 2 |
| T204 | 1 | *unrecognized*<br>Unrecognised | 0.0 | 1 | 45 | N E S W<br>0.0 0.0 0.0 0.0 | 0.0 | 0.0 | Early Mature | Dead | Dead tree / trees. Fallen tree / trees - Whole tree.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T205 | 1 | *Salix sp.*<br>Willow sp. | 6.0 | 4 | 21 | N E S W<br>2.0 2.0 2.0 2.0 | 0.5 | 1.0 | Early Mature | Good | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 20.1 | 2.5 | 20-40 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G206 | 15<br>10<br>4 | *Salix sp.*<br>Willow sp.<br>*Sambucus nigra*<br>Elder<br>*Acer campestre*<br>Field Maple | 6.0 | 1 | 18 | N E S W<br>2.5 2.5 2.5 2.5 | 1.0 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 14.7 | 2.2 | 20-40 | C | 2 |
| T207 | 1<br>1 | *Corylus avellana*<br>Common Hazel<br>*Ilex aquifolium*<br>Holly | 4.0 | 4 | 16 | N E S W<br>1.5 1.5 1.5 1.5 | 0.5 | 1.0 | Early Mature | Good | Base / stems obscured - Vegetation. | 11.9 | 1.9 | 10-20 | C | 2 |
| T208 | 1 | *Ilex aquifolium*<br>Holly | 6.0 | 1 | 35 | NW NE SE SW<br>3.0 3.0 5.0 3.0 | 0.5 | 1.0 | Early Mature | Poor | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H209 | 100 | *Prunus spinosa* Blackthorn/Sloe | 2.5 | 6 | 19 | N E S W<br>1.0 1.5 1.0 1.5 | 0.5 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. | 17.4 | 2.4 | 20-40 | B | 2<br>3 |
| | 50 | *Acer campestre* Field Maple | | | | | | | | | | | | | | |
| | 25 | *Cornus sp.* Dogwood sp. | | | | | | | | | | | | | | |
| | 20 | *Corylus avellana* Common Hazel | | | | | | | | | | | | | | |
| | 15 | *Sambucus nigra* Elder | | | | | | | | | | | | | | |
| | 15 | *Crataegus monogyna* Common Hawthorn/Quick/May | | | | | | | | | | | | | | |
| | 10 | *Euonymus sp.* Spindle | | | | | | | | | | | | | | |
| | 3 | *Ilex aquifolium* Holly | | | | | | | | | | | | | | |
| | 1 | *Acer platanoides* Norway Maple | | | | | | | | | | | | | | |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G210 | 100<br>35<br>25<br>15<br>2 | *Prunus spinosa* Blackthorn/Sloe<br>*Cornus sp.* Dogwood sp.<br>*Acer campestre* Field Maple<br>*Corylus avellana* Common Hazel<br>*Sambucus nigra* Elder | 2.0 | 6 | 19 | NW 1.0 NE 1.5 SE 1.0 SW 1.5 | 0.5 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. | 17.4 | 2.4 | 20-40 | C | 2 |
| G211 | 40<br>20<br>1 | *Prunus spinosa* Blackthorn/Sloe<br>*Corylus avellana* Common Hazel<br>*Acer campestre* Field Maple | 2.0 | 6 | 19 | N 1.0 E 1.5 S 1.0 W 1.5 | 0.5 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. | 17.4 | 2.4 | 20-40 | C | 2 |
| T212 | 1 | *Carpinus betulus* Hornbeam | 4.0 | 1 | 8 | N 2.5 E 2.0 S 2.5 W 2.0 | 1.0 | 1.0 | Semi Mature | Good | Not on topographical survey, plotted freehand. | 2.9 | 1.0 | 40+ | C | 2 |
| T213 | 1 | *Corylus avellana* Common Hazel | 2.5 | 6 | 24 | N 3.0 E 2.5 S 3.0 W 2.5 | 0.5 | 1.0 | Early Mature | Good | Base / stems obscured - Vegetation. | 27.1 | 2.9 | 10-20 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G214 | 7<br>5<br>2<br>2 | *Sambucus nigra* Elder<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Prunus spinosa* Blackthorn/Sloe<br>*Cerasus avium* Wild Cherry | 6.0 | 1 | 15 | N 2.5 E 2.5 S 1.0 W 2.5 | 0.5 | 0.5 | Early Mature | Fair | | 10.2 | 1.8 | 10-20 | C | 2 |
| T215 | 1 | *Cerasus avium* Wild Cherry | 13.0 | 2 | 65 | N 9.0 E 11.0 S 0.5 W 3.0 | 3.0 | 3.0 | Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G216 | 3 | *Carpinus betulus* Hornbeam | 11.0 | 3 | 35 | N 3.0 E 3.0 S 3.0 W 4.0 | 0.5 | 0.5 | Early Mature | Fair | Coppice stool - Coppice origin / Mature stems. | 56.5 | 4.2 | 10-20 | C | 2 |
| T217 | 1 | *Cerasus avium* Wild Cherry | 13.0 | 1 | 34 | N 6.0 E 4.0 S 1.5 W 1.5 | 6.0 | 4.5 | Early Mature | Poor | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T218 | 1 | *Cerasus avium* Wild Cherry | 8.0 | 1 | 33 | N 9.0 E 7.0 S 0.0 W 1.0 | 1.0 | 4.5 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T219 | 1 | *Carpinus betulus* Hornbeam | 14.0 | 8 | 62 | N 7.0 E 5.0 S 3.5 W 6.0 | 2.0 | 2.0 | Mature | Fair | Coppice stool - Coppice origin / Mature stems. Historic coppice stool. Not on topographical survey, plotted freehand. | 175.2 | 7.5 | 20-40 | B | 2<br>3 |
| T220 | 1 | *Carpinus betulus* Hornbeam | 7.0 | 13 | 46 | N 4.0 E 2.0 S 2.0 W 4.0 | 1.5 | 1.5 | Mature | Poor | Coppice stool - Coppice origin / Mature stems. Historic coppice stool. | 99.4 | 5.6 | 10-20 | C | 2<br>3 |

# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T221 | 1 | *Carpinus betulus* Hornbeam | 8.0 | 9 | 45 | N E S W 6.0 7.0 2.5 3.0 | 0.0 | 0.5 | Mature | Good | Coppice stool - Coppice origin / Mature stems. Historic layered coppice stool. Potential Ancient/veteran tree within an Ancient Woodland. | 91.6 | 5.4 | 20-40 | A | 2 3 |
| T222 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 14.0 | 5 | 70 | N E S W 7.0 5.0 4.0 7.0 | 0.5 | 1.0 | Mature | Fair | Coppice stool - Coppice origin / Mature stems. Historic coppice stool. Potential Ancient/Veteran tree within an Ancient Woodland. | 223.3 | 8.4 | 20-40 | A | 3 |
| T223 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 12.0 | 3 | 37 | N E S W 5.0 1.0 1.5 5.0 | 2.0 | 2.0 | Mature | Fair | | 63.2 | 4.5 | 10-20 | C | 2 |
| T224 | 1 | *Carpinus betulus* Hornbeam | 9.0 | 11 | 59 | N E S W 6.0 7.0 4.5 7.0 | 0.0 | 0.5 | Mature | Fair | Coppice stool - Coppice origin / Mature stems. Historic layered coppice stool. Potential Ancient/Veteran tree within an Ancient Woodland. | 161.2 | 7.2 | 20-40 | A | 2 3 |
| T225 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 8.0 | 1 | 23 | N E S W 2.5 3.0 2.0 2.5 | 3.5 | 2.0 | Mature | Poor | Fallen tree / trees - Partial collapse. One stem fallen. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T226 | 1 | *Carpinus betulus* Hornbeam | 14.0 | 11 | 82 | N E S W 8.0 9.0 4.5 7.0 | 0.0 | 0.5 | Mature | Fair | Coppice stool - Coppice origin / Mature stems. Historic layered coppice stool. Adjacent tree on topographical survey is considered to be part of T226. Potential Ancient/veteran tree within an Ancient Woodland. | 311.0 | 9.9 | 20-40 | A | 2 3 |
| T227 | 1 | *Fraxinus excelsior* Ash | 10.0 | 3 | 58 | N E S W 8.0 5.0 0.0 8.0 | 2.0 | 4.0 | Early Mature | Poor | | 154.6 | 7.0 | 10-20 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T228 | 1 | *Carpinus betulus* Hornbeam | 13.0 | 7 | 74 | N E S W<br>7.0 6.0 4.0 7.0 | 0.5 | 0.5 | Mature | Fair | Coppice stool - Coppice origin / Mature stems. Historic coppice stool. Within an Ancient Woodland. | 248.3 | 8.9 | 20-40 | A | 2<br>3 |
| T229 | 1 | *Carpinus betulus* Hornbeam | 13.0 | 13 | 86 | N E S W<br>9.0 8.0 5.0 5.0 | 2.0 | 2.0 | Mature | Fair | Coppice stool - Coppice origin / Mature stems. Not on topographical survey, plotted freehand. | 338.7 | 10.4 | 10-20 | C | 2 |
| T230 | 1 | *Fraxinus excelsior* Ash | 14.0 | 2 | 73 | N E S W<br>9.0 9.0 7.0 8.0 | 4.0 | 4.5 | Early Mature | Poor | | 245.0 | 8.8 | 10-20 | C | 2 |
| G231 | 2<br>1 | *Carpinus betulus* Hornbeam<br>*Crataegus monogyna* Common Hawthorn/Quick/May | 10.0 | 3 | 46 | N E S W<br>7.0 5.0 2.0 5.0 | 2.0 | 2.0 | Mature | Fair | Coppice stool - Coppice origin / Mature stems. | 99.9 | 5.6 | 10-20 | C | 2<br>3 |
| G232 | 2<br>1 | *Carpinus betulus* Hornbeam<br>*Crataegus monogyna* Common Hawthorn/Quick/May | 12.0 | 3 | 48 | N E S W<br>7.0 6.0 5.0 2.5 | 2.0 | 2.0 | Mature | Fair | Coppice stool - Coppice origin / Mature stems. Historic coppice stools. | 104.6 | 5.8 | 10-20 | C | 2<br>3 |
| G233 | 2 | *Acer campestre* Field Maple | 10.0 | 3 | 49 | N E S W<br>7.0 5.0 5.0 4.0 | 1.0 | 0.5 | Mature | Fair | Coppice stool - Coppice origin / Mature stems. Historic coppice stools. | 112.6 | 6.0 | 10-20 | C | 2<br>3 |
| T234 | 1 | *Acer campestre* Field Maple | 8.0 | 1 | 26 | N E S W<br>5.0 3.0 5.0 2.0 | 5.0 | 5.0 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T235 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 8.0 | 4 | 59 | N E S W<br>8.0 4.0 2.0 5.0 | 1.0 | 2.0 | Mature | Fair | Within an Ancient Woodland. | 160.6 | 7.1 | 20-40 | A | 3 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T236 | 1 | *Acer campestre*<br>Field Maple | 7.0 | 1 | 39 | N E S W<br>6.0 4.0 5.0 5.0 | 3.0 | 4.0 | Mature | Fair | | 68.8 | 4.7 | 10-20 | C | 2 |
| T237 | 1 | *Ilex aquifolium*<br>Holly | 7.0 | 3 | 40 | N E S W<br>4.0 5.0 4.0 4.5 | 2.0 | 2.5 | Early Mature | Good | | 74.6 | 4.9 | 20-40 | C | 2 |
| T238 | 1 | *Fagus sylvatica*<br>Common Beech | 10.0 | 1 | 56 | N E S W<br>9.0 9.0 10.0 8.0 | 0.0 | 0.5 | Early Mature | Good | Coppice stool - Coppice origin / Mature stems. | 141.9 | 6.7 | 20-40 | B | 2 |
| T239 | 1 | *Quercus robur*<br>English Oak | 16.0 | 1 | 61 | N E S W<br>8.0 4.5 5.0 8.0 | 1.5 | 4.0 | Early Mature | Fair | | 168.3 | 7.3 | 20-40 | C | 2 |
| T240 | 1 | *Ilex aquifolium*<br>Holly | 9.0 | 4 | 58 | N E S W<br>4.0 5.0 6.0 5.0 | 0.5 | 3.0 | Early Mature | Good | | 154.7 | 7.0 | 20-40 | C | 2 |
| G241 | 3<br><br>1 | *Corylus avellana*<br>Common Hazel<br><br>*Ilex aquifolium*<br>Holly | 4.0 | 10 | 15 | N E S W<br>3.0 2.5 1.0 2.5 | 1.0 | 1.0 | Early Mature | Fair | | 11.3 | 1.9 | 10-20 | C | 2 |
| T242 | 1 | *Quercus robur*<br>English Oak | 10.0 | 1 | 56 | N E S W<br>6.0 5.0 8.0 8.0 | 1.0 | 4.0 | Early Mature | Fair | | 141.9 | 6.7 | 20-40 | C | 2 |
| T243 | 1 | *Fagus sylvatica*<br>Common Beech | 19.0 | 5 | 89 | N E S W<br>9.0 7.0 8.0 9.0 | 1.0 | 0.5 | Mature | Good | Base / stems obscured - Vegetation. Coppice stool - Coppice origin / Mature stems. Historic coppice stool. | 364.2 | 10.8 | 40+ | B | 2<br>3 |
| T244 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 8.0 | 5 | 43 | N E S W<br>3.0 3.0 4.0 5.0 | 2.0 | 3.0 | Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T245 | 1 | *unrecognized*<br>Unrecognised | 8.0 | 1 | 25 | N E S W<br>0.5 0.5 0.5 0.5 | 5.0 | 5.0 | Early Mature | Dead | Dead tree / trees. Leaning on adjacent tree.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T246 | 1 | *Quercus robur*<br>English Oak | 12.0 | 1 | 50 | N E S W<br>3.0 7.0 7.0 6.0 | 2.0 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 113.1 | 6.0 | 40+ | B | 2 |
| T247 | 1 | *Quercus robur*<br>English Oak | 17.0 | 7 | 89 | N E S W<br>7.0 8.0 9.0 6.0 | 1.0 | 0.5 | Early Mature | Good | Coppice stool - Coppice origin / Mature stems. Not on topographical survey, plotted freehand. | 366.1 | 10.8 | 40+ | B | 2 |
| T248 | 1 | *Quercus robur*<br>English Oak | 12.0 | 1 | 58 | N E S W<br>9.0 8.0 6.5 7.0 | 1.0 | 1.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 152.2 | 7.0 | 20-40 | B | 2 |
| T249 | 1 | *Betula pendula*<br>Silver Birch | 15.0 | 4 | 62 | N E S W<br>6.0 8.0 6.5 7.0 | 1.5 | 0.5 | Mature | Poor | Coppice stool - Coppice origin / Mature stems. Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | | | | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | | | | |
| G250 | 200 | *Carpinus betulus* Hornbeam | 15.0 | 2 | 46 | 5.0 | 5.0 | 5.0 | 5.0 | 1.5 | 1.0 | Early Mature | Good | | 96.1 | 5.5 | 20-40 | B | 2 |
| | 150 | *Betula pendula* Silver Birch | | | | | | | | | | | | | | | | | |
| | 100 | *Prunus spinosa* Blackthorn/Sloe | | | | | | | | | | | | | | | | | |
| | 50 | *Crataegus monogyna* Common Hawthorn/Quick/May | | | | | | | | | | | | | | | | | |
| | 40 | *Quercus robur* English Oak | | | | | | | | | | | | | | | | | |
| | 35 | *Corylus avellana* Common Hazel | | | | | | | | | | | | | | | | | |
| | 20 | *Fraxinus excelsior* Ash | | | | | | | | | | | | | | | | | |
| | 20 | *Sambucus nigra* Elder | | | | | | | | | | | | | | | | | |
| | 12 | *Populus tremula* Aspen | | | | | | | | | | | | | | | | | |
| | 10 | *Ilex aquifolium* Holly | | | | | | | | | | | | | | | | | |
| | 5 | *Salix sp.* Willow sp. | | | | | | | | | | | | | | | | | |
| | 5 | *Fagus sylvatica* Common Beech | | | | | | | | | | | | | | | | | |



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# Luton Airport
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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T251 | 1 | *Quercus robur* English Oak | 7.0 | 1 | 29 | N 4.5 E 4.0 S 3.5 W 4.0 | 0.5 | 1.0 | Early Mature | Good | | 38.0 | 3.5 | 40+ | B | 2 |
| T252 | 1 | *Quercus robur* English Oak | 6.0 | 1 | 26 | N 4.0 E 3.0 S 3.5 W 4.0 | 0.5 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 30.6 | 3.1 | 40+ | B | 2 |
| T253 | 1 | *Quercus robur* English Oak | 11.0 | 1 | 81 | N 5.0 E 6.0 S 7.0 W 5.0 | 1.5 | 2.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 296.8 | 9.7 | 20-40 | C | 2 |
| T254 | 1 | *Quercus robur* English Oak | 12.0 | 1 | 37 | N 4.5 E 4.5 S 5.0 W 4.0 | 5.0 | 5.0 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 61.9 | 4.4 | 10-20 | C | 2 |
| T255 | 1 | *Quercus robur* English Oak | 18.0 | 1 | 100 | N 10.0 E 9.0 S 10.0 W 8.0 | 3.0 | 4.0 | Early Mature | Fair | Fungal fruiting body - structural decay suspected.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 452.4 | 12.0 | 20-40 | B | 2 |
| T256 | 1 | *Quercus robur* English Oak | 12.0 | 1 | 48 | N 7.0 E 3.5 S 4.5 W 7.0 | 3.5 | 2.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 104.2 | 5.8 | 20-40 | B | 2 |
| T257 | 1 | *Quercus robur* English Oak | 7.5 | 1 | 74 | N 5.0 E 4.0 S 5.0 W 5.0 | 6.0 | 2.0 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T258 | 1 | *Quercus robur* English Oak | 10.0 | 1 | 53 | N 4.0 E 5.0 S 4.0 W 3.0 | 2.5 | 2.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 127.1 | 6.4 | 20-40 | C | 2 |
| T259 | 1 | *Fraxinus excelsior* Ash | 12.0 | 8 | 84 | N 7.0 E 9.0 S 5.0 W 7.0 | 2.0 | 1.5 | Mature | Fair | Coppice stool - Coppice origin / Mature stems.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 325.7 | 10.2 | 10-20 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T260 | 1 | *Quercus robur* English Oak | 8.0 | 1 | 42 | N 6.0 E 3.0 S 4.0 W 5.0 | 2.0 | 1.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 79.8 | 5.0 | 40+ | B | 2 |
| T261 | 1 | *Fraxinus excelsior* Ash | 13.0 | 1 | 86 | N 6.0 E 5.0 S 2.0 W 8.0 | 2.0 | 2.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 334.6 | 10.3 | 10-20 | C | 2 |
| T262 | 1 | *Quercus robur* English Oak | 14.0 | 1 | 83 | N 10.0 E 9.0 S 10.0 W 10.0 | 1.5 | 3.0 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 311.7 | 10.0 | 10-20 | C | 2 |
| T263 | 1 | *Quercus robur* English Oak | 12.0 | 1 | 36 | N 5.0 E 2.0 S 4.5 W 5.0 | 3.0 | 3.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 58.6 | 4.3 | 40+ | B | 2 |
| T264 | 1 | *Quercus robur* English Oak | 14.0 | 1 | 63 | N 8.0 E 6.0 S 6.0 W 9.0 | 1.5 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 179.6 | 7.6 | 40+ | B | 2 |
| T265 | 1 | *Quercus robur* English Oak | 14.0 | 1 | 42 | N 5.0 E 5.0 S 3.0 W 3.5 | 2.5 | 2.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 79.8 | 5.0 | 20-40 | B | 2 |
| T266 | 1 | *Fraxinus excelsior* Ash | 13.0 | 1 | 28 | N 5.0 E 2.0 S 3.0 W 4.0 | 3.0 | 3.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 35.5 | 3.4 | 10-20 | C | 2 |
| T267 | 1 | *Fraxinus excelsior* Ash | 16.0 | 6 | 85 | N 8.0 E 8.0 S 7.0 W 8.0 | 1.5 | 1.5 | Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 332.5 | 10.3 | 10-20 | C | 2 |
| T268 | 1 | *Acer campestre* Field Maple | 8.0 | 1 | 36 | N 4.0 E 6.0 S 7.0 W 3.5 | 2.5 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 58.6 | 4.3 | 10-20 | C | 2 |

# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T269 | 1 | *Quercus robur*<br>English Oak | 14.0 | 1 | 129 | N E S W<br>8.0 13.0 10.0 10.0 | 1.5 | 4.0 | Early Mature | Good | Has veteran features but at early mature life stage.<br><br>CAVAT Structural Value reduced to 50% because Life Stage, Stem Diameter and Height do not appear to match.<br><br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 706.9 | 15.0 | 40+ | B | 2 |
| T270 | 1 | *Fraxinus excelsior*<br>Ash | 12.0 | 1 | 32 | N E S W<br>5.0 5.0 6.0 4.0 | 3.5 | 4.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 46.3 | 3.8 | 20-40 | B | 2 |
| T271 | 1 | *Fraxinus excelsior*<br>Ash | 10.0 | 4 | 73 | N E S W<br>6.0 8.0 8.0 7.0 | 2.0 | 2.0 | Mature | Poor | Coppice stool - Coppice origin / Mature stems. Fungal fruiting body - structural decay suspected. Historic coppice stool. Potential future veteran.<br><br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 246.2 | 8.9 | 10-20 | C | 2<br>3 |
| T272 | 1 | *Quercus robur*<br>English Oak | 12.0 | 1 | 42 | N E S W<br>5.0 6.0 5.0 4.0 | 1.5 | 2.0 | Early Mature | Good | Base / stems obscured - Vegetation.<br><br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 79.8 | 5.0 | 40+ | B | 2 |
| G273 | 2 | *Carpinus betulus*<br>Hornbeam | 12.0 | 6 | 58 | N E S W<br>6.0 6.0 7.0 6.0 | 0.0 | 0.0 | Mature | Fair | Coppice stool - Coppice origin / Mature stems.<br><br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 156.3 | 7.1 | 20-40 | B | 2<br>3 |
| T274 | 1 | *Carpinus betulus*<br>Hornbeam | 8.0 | 3 | 45 | N E S W<br>6.0 5.0 2.5 4.0 | 2.0 | 2.0 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T275 | 1 | *Quercus robur*<br>English Oak | 12.0 | 1 | 39 | N 3.0 E 4.0 S 5.0 W 4.0 | 2.5 | 3.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 68.8 | 4.7 | 20-40 | B | 2 |
| T276 | 1 | *Carpinus betulus*<br>Hornbeam | 8.0 | 12 | 69 | N 5.0 E 5.0 S 5.0 W 5.0 | 0.0 | 1.0 | Mature | Good | Coppice stool - Coppice origin / Mature stems. Historic coppice stool.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 217.1 | 8.3 | 20-40 | B | 2<br>3 |
| T277 | 1 | *Quercus robur*<br>English Oak | 11.0 | 1 | 50 | N 5.0 E 5.0 S 7.0 W 6.0 | 3.0 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 113.1 | 6.0 | 40+ | B | 2 |
| G278 | 2 | *Carpinus betulus*<br>Hornbeam | 10.0 | 3 | 58 | N 7.0 E 7.0 S 7.0 W 7.0 | 0.5 | 1.0 | Mature | Good | Coppice stool - Coppice origin / Mature stems. Historic coppice stools. Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 156.9 | 7.1 | 20-40 | B | 2<br>3 |
| T279 | 1 | *Malus sp.*<br>Apple sp. | 9.0 | 1 | 43 | N 5.0 E 3.5 S 5.0 W 6.0 | 2.5 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 83.6 | 5.2 | 20-40 | B | 2 |
| T280 | 1 | *Carpinus betulus*<br>Hornbeam | 11.0 | 5 | 66 | N 7.0 E 10.0 S 11.0 W 5.0 | 1.5 | 2.0 | Mature | Fair | Coppice stool - Coppice origin / Mature stems. Not on topographical survey, plotted freehand.<br>Historic coppice stool.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 200.5 | 8.0 | 20-40 | B | 2<br>3 |
| T281 | 1 | *Quercus robur*<br>English Oak | 13.0 | 1 | 48 | N 5.0 E 4.5 S 6.0 W 7.0 | 2.0 | 2.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 104.2 | 5.8 | 20-40 | C | 2 |



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# Luton Airport
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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T282 | 1 | *Quercus robur* English Oak | 8.0 | 1 | 31 | N 3.5 E 3.5 S 3.5 W 3.5 | 3.0 | 3.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 43.5 | 3.7 | 40+ | B | 2 |
| T283 | 1 | *Ilex aquifolium* Holly | 7.0 | 2 | 39 | N 3.5 E 3.5 S 3.5 W 3.5 | 2.0 | 1.5 | Early Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 71.3 | 4.8 | 20-40 | B | 2 |
| T284 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 6.0 | 1 | 22 | N 2.5 E 2.0 S 2.5 W 2.5 | 2.5 | 1.0 | Early Mature | Fair | Uncertain if correct hawthorn plotted on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 21.9 | 2.6 | 10-20 | C | 2 |
| T285 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 6.0 | 3 | 25 | N 3.0 E 3.0 S 3.0 W 3.0 | 1.5 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 29.6 | 3.1 | 10-20 | C | 2 |
| T286 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 6.0 | 1 | 25 | N 3.0 E 3.0 S 3.0 W 3.0 | 2.5 | 2.0 | Early Mature | Dead | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T287 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 5.0 | 2 | 19 | N 2.0 E 2.0 S 3.5 W 2.5 | 2.5 | 1.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 17.8 | 2.4 | 10-20 | C | 2 |



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# Luton Airport
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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G288 | 100<br>40<br>12<br>6 | *Ulmus sp.*<br>Elm sp.<br>*Sambucus nigra*<br>Elder<br>*Prunus spinosa*<br>Blackthorn/Sloe<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May | 4.5 | 1 | 13 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.0 | 1.0 | Semi Mature | Poor | Dutch elm disease. Dead tree / trees. Predominantly elm with elder and occasional hawthorn and blackthorn.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T289 | 1 | *Cerasus avium*<br>Wild Cherry | 8.0 | 3 | 32 | N 4.0 E 6.0 S 4.0 W 4.0 | 3.5 | 3.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 47.9 | 3.9 | 10-20 | C | 2 |
| T290 | 1 | *Ilex aquifolium*<br>Holly | 8.0 | 1 | 42 | NW 4.0 NE 4.0 SE 9.0 SW 3.0 | 1.5 | 2.0 | Early Mature | Fair | Basal epicormics not included in stem count.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 79.8 | 5.0 | 10-20 | C | 2 |
| T291 | 1 | *Acer campestre*<br>Field Maple | 7.0 | 1 | 38 | N 2.0 E 5.0 S 5.0 W 5.0 | 3.0 | 2.5 | Early Mature | Fair | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 65.3 | 4.6 | 10-20 | C | 2 |
| T292 | 1 | *Acer campestre*<br>Field Maple | 8.0 | 1 | 64 | N 3.0 E 5.0 S 4.0 W 5.0 | 4.0 | 2.0 | Early Mature | Fair | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 185.3 | 7.7 | 20-40 | B | 2 |
| T293 | 1 | *Acer campestre*<br>Field Maple | 8.0 | 1 | 40 | N 7.0 E 6.0 S 5.0 W 5.0 | 4.0 | 3.0 | Early Mature | Fair | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 72.4 | 4.8 | 10-20 | C | 2 |

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# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T294 | 1 | *Quercus robur*<br>English Oak | 13.0 | 1 | 65 | N E S W<br>7.0 7.0 7.0 7.0 | 1.0 | 2.0 | Early Mature | Good | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 191.1 | 7.8 | 40+ | B | 2 |
| T295 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 8.0 | 4 | 43 | N E S W<br>4.0 3.0 2.0 5.0 | 4.0 | 2.5 | Early Mature | Fair | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 86.5 | 5.2 | 10-20 | C | 2 |
| T296 | 1 | *Sorbus aucuparia*<br>Rowan/Mountain Ash | 7.0 | 2 | 23 | N E S W<br>3.0 3.0 3.5 3.0 | 2.5 | 1.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 24.6 | 2.8 | 10-20 | C | 2 |
| G297 | 4<br>1<br>1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Acer campestre*<br>Field Maple<br>*Corylus avellana*<br>Common Hazel | 6.0 | 2 | 32 | N E S W<br>3.0 3.0 3.0 3.0 | 3.5 | 1.5 | Early Mature | Fair | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 46.4 | 3.8 | 10-20 | C | 2 |
| T298 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 8.0 | 5 | 59 | N E S W<br>5.0 4.0 2.5 3.5 | 5.0 | 4.0 | Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G299 | 50<br>8<br>6<br>6 | *Ulmus sp.*<br>Elm sp.<br>*Prunus spinosa*<br>Blackthorn/Sloe<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Sambucus nigra*<br>Elder | 6.0 | 1 | 15 | N E S W<br>2.5 2.5 2.5 2.5 | 2.0 | 1.5 | Semi Mature | Fair | Dutch elm disease. Dead tree / trees. Predominantly elm with rare hawthorn, blackthorn and elder.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G300 | 75<br>75<br>75<br>10<br>3<br>2<br>1<br>1<br>1<br>1 | *Corylus avellana* Common Hazel<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Prunus spinosa* Blackthorn/Sloe<br>*Quercus robur* English Oak<br>*Ulmus sp.* Elm sp.<br>*Malus sp.* Apple sp.<br>*Fraxinus excelsior* Ash<br>*Carpinus betulus* Hornbeam<br>*Acer campestre* Field Maple<br>*Ilex aquifolium* Holly | 4.0 | 2 | 15 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.0 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 11.0 | 1.9 | 20-40 | C | 2 |
| T301 | 1 | *Cerasus avium* Wild Cherry | 8.0 | 1 | 52 | N 5.0 E 5.0 S 5.0 W 6.0 | 4.0 | 3.5 | Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T302 | 1 | *Quercus robur* English Oak | 8.0 | 1 | 45 | N 5.0 E 9.0 S 3.0 W 2.0 | 3.0 | 4.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 91.6 | 5.4 | 20-40 | C | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G303 | 4<br><br>2 | *Cerasus avium*<br>Wild Cherry<br><br>*Ulmus sp.*<br>Elm sp. | 8.0 | 1 | 25 | N E S W<br>3.0 3.0 3.0 3.0 | 3.5 | 2.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 28.3 | 3.0 | 10-20 | C | 2 |
| T304 | 1 | *Quercus robur*<br>English Oak | 7.0 | 2 | 32 | N E S W<br>5.0 4.5 5.0 3.0 | 1.5 | 1.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 46.9 | 3.9 | 40+ | B | 2 |
| T305 | 1 | *Cerasus avium*<br>Wild Cherry | 9.0 | 1 | 27 | N E S W<br>6.0 4.0 3.5 4.0 | 2.0 | 2.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 33.0 | 3.2 | 20-40 | B | 2 |
| G306 | 3 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 5.0 | 2 | 22 | N E S W<br>2.5 3.5 2.0 2.0 | 1.5 | 2.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 23.5 | 2.7 | 10-20 | C | 2 |
| T307 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 6.0 | 4 | 54 | N E S W<br>6.0 5.5 3.0 4.5 | 3.0 | 3.0 | Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 135.4 | 6.6 | 10-20 | C | 2 |
| T308 | 1 | *Ilex aquifolium*<br>Holly | 6.0 | 3 | 29 | N E S W<br>3.0 3.0 3.0 3.0 | 0.0 | 2.0 | Early Mature | Poor | Base / stems obscured - Vegetation.<br><br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 38.5 | 3.5 | 10-20 | C | 2 |
| G309 | 1<br><br>1 | *Ilex aquifolium*<br>Holly<br><br>*Corylus avellana*<br>Common Hazel | 8.0 | 8 | 33 | N E S W<br>4.0 4.0 4.0 4.0 | 0.5 | 1.0 | Early Mature | Good | Base / stems obscured - Vegetation.<br><br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 52.1 | 4.1 | 20-40 | C | 2 |
| T310 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 6.0 | 3 | 43 | N E S W<br>4.0 4.5 3.5 3.5 | 3.5 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 86.8 | 5.3 | 10-20 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T311 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 5.0 | 6 | 24 | N 3.0 E 2.0 S 2.0 W 2.0 | 2.5 | 1.5 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T312 | 1 | *Acer campestre* Field Maple | 12.0 | 3 | 64 | N 5.0 E 8.5 S 7.0 W 3.5 | 1.0 | 1.5 | Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 190.2 | 7.8 | 20-40 | B | 2<br>3 |
| T313 | 1 | *Cerasus avium* Wild Cherry | 9.0 | 3 | 45 | N 5.0 E 7.0 S 5.0 W 6.0 | 1.0 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 92.6 | 5.4 | 20-40 | C | 2 |
| T314 | 1 | *Fraxinus excelsior* Ash | 12.0 | 1 | 34 | N 4.0 E 5.0 S 4.5 W 5.0 | 2.0 | 3.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 52.3 | 4.1 | 20-40 | B | 2 |
| T315 | 1 | *Carpinus betulus* Hornbeam | 8.0 | 5 | 62 | N 7.0 E 7.0 S 8.0 W 4.0 | 2.5 | 2.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 175.8 | 7.5 | 20-40 | B | 2 |
| T316 | 1 | *Acer campestre* Field Maple | 6.0 | 2 | 31 | N 3.0 E 6.0 S 6.0 W 2.0 | 1.0 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 43.9 | 3.7 | 20-40 | B | 2 |
| T317 | 1 | *Acer campestre* Field Maple | 9.0 | 4 | 47 | N 5.0 E 6.5 S 4.5 W 5.0 | 2.0 | 0.5 | Early Mature | Good | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 101.7 | 5.7 | 20-40 | B | 2 |
| G318 | 4<br>1 | *Acer campestre* Field Maple<br>*Crataegus monogyna* Common Hawthorn/Quick/May | 7.0 | 3 | 27 | N 3.0 E 5.0 S 3.0 W 2.0 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 34.2 | 3.3 | 10-20 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G319 | 25<br>15<br>15<br>10<br>4 | *Sambucus nigra* Elder<br>*Corylus avellana* Common Hazel<br>*Prunus spinosa* Blackthorn/Sloe<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Ilex aquifolium* Holly | 7.0 | 6 | 19 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.0 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 17.4 | 2.4 | 10-20 | C | 2 |
| G320 | 17 | *Crataegus monogyna* Common Hawthorn/Quick/May | 6.0 | 2 | 21 | N 2.5 E 2.5 S 2.5 W 2.5 | 3.5 | 2.0 | Early Mature | Poor | Decline - Evident / observed. Dead tree / trees.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G321 | 19<br>4 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Sambucus nigra* Elder | 0.7 | 1 | 15 | N 0.5 E 0.5 S 0.5 W 0.5 | 0.0 | 0.0 | Early Mature | Poor | Epicormic growth - Bole / principal stems. Felled. Stump / stumps. Trees have been cut to approx. 0.7m with most stumps displaying epicormic growth.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T322 | 1 | *Fraxinus excelsior* Ash | 9.0 | 1 | 29 | N 4.0 E 7.0 S 5.0 W 3.0 | 2.0 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 38.0 | 3.5 | 20-40 | C | 2 |
| T323 | 1 | *Fraxinus excelsior* Ash | 9.0 | 1 | 18 | N 4.0 E 2.0 S 1.5 W 4.0 | 2.0 | 2.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 14.7 | 2.2 | 10-20 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T324 | 1 | *Quercus robur*<br>English Oak | 8.0 | 1 | 24 | N E S W<br>4.5 6.0 4.0 5.0 | 1.0 | 1.0 | Semi Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 26.1 | 2.9 | 40+ | B | 2 |
| T325 | 1 | *Ilex aquifolium*<br>Holly | 8.0 | 4 | 42 | N E S W<br>1.0 4.0 4.0 3.0 | 0.5 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 81.0 | 5.1 | 20-40 | C | 2 |
| T326 | 1 | *Ilex aquifolium*<br>Holly | 7.5 | 2 | 38 | N E S W<br>4.0 3.0 4.0 4.0 | 0.5 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 66.3 | 4.6 | 20-40 | C | 2 |
| T327 | 1 | *Quercus robur*<br>English Oak | 8.0 | 1 | 71 | NW NE SE SW<br>7.0 7.0 8.0 7.0 | 0.5 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 228.0 | 8.5 | 40+ | B | 2 |
| G328 | 1<br>1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Ilex aquifolium*<br>Holly | 3.0 | 1 | 12 | N E S W<br>1.5 1.5 1.5 1.5 | 1.0 | 1.0 | Semi Mature | Good | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 6.5 | 1.4 | 20-40 | C | 2 |
| G329 | 5<br>1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Sambucus nigra*<br>Elder | 5.0 | 1 | 25 | N E S W<br>2.5 2.5 2.5 2.5 | 2.5 | 1.0 | Early Mature | Poor | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T330 | 1 | *Fraxinus excelsior*<br>Ash | 4.0 | 1 | 10 | NW NE SE SW<br>2.0 3.0 2.0 2.0 | 2.5 | 2.0 | Semi Mature | Poor | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 4.5 | 1.2 | 10-20 | C | 2 |
| T331 | 1 | *Fraxinus excelsior*<br>Ash | 4.0 | 1 | 12 | NW NE SE SW<br>2.0 2.0 1.0 2.0 | 2.5 | 2.0 | Semi Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 6.5 | 1.4 | 10-20 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T332 | 1 | *Fraxinus excelsior* Ash | 4.0 | 1 | 11 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.5 | 1.5 | Semi Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 5.5 | 1.3 | 10-20 | C | 2 |
| G333 | 16<br>16 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Prunus spinosa* Blackthorn/Sloe | 4.0 | 3 | 15 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.0 | 1.0 | Early Mature | Fair | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 11.0 | 1.9 | 10-20 | C | 2 |
| T334 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 7 | 21 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 1.0 | Early Mature | Fair | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 20.3 | 2.5 | 10-20 | C | 2 |
| T335 | 1 | *Acer pseudoplatanus* Sycamore | 5.0 | 2 | 23 | N 3.5 E 3.5 S 3.5 W 3.5 | 1.0 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 24.8 | 2.8 | 20-40 | C | 2 |
| T336 | 1 | *Acer pseudoplatanus* Sycamore | 5.0 | 1 | 25 | N 4.5 E 4.5 S 4.5 W 4.5 | 1.0 | 1.0 | Early Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 28.3 | 3.0 | 40+ | B | 2 |
| G337 | 2<br>1 | *Acer pseudoplatanus* Sycamore<br>*Laburnum anagyroides* Common Laburnum (Golden Chain) | 5.5 | 2 | 21 | N 2.5 E 2.5 S 2.5 W 2.5 | 2.5 | 1.5 | Early Mature | Poor | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. Dimensions reflect largest sycamore in group. Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G338 | 6 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 1 | 8 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 1.0 | Semi Mature | Good | Plotted freehand, not on topographical survey. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 2.9 | 1.0 | 20-40 | C | 2 |
| G339 | 18<br>13<br>12<br>3 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Sambucus nigra* Elder<br>*Prunus spinosa* Blackthorn/Sloe<br>*Fraxinus excelsior* Ash | 6.0 | 2 | 19 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.5 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 16.7 | 2.3 | 10-20 | C | 2 |
| T340 | 1 | *Ilex aquifolium* Holly | 13.0 | 3 | 53 | N 3.0 E 4.0 S 5.0 W 9.0 | 0.5 | 2.5 | Early Mature | Good | Historic layered coppice stool. Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 129.0 | 6.4 | 20-40 | B | 3 |
| G341 | 3 | *Ilex aquifolium* Holly | 13.0 | 2 | 49 | N 5.0 E 4.0 S 4.0 W 6.0 | 0.5 | 1.5 | Early Mature | Good | Plotted freehand, not on topographical survey. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 110.9 | 5.9 | 20-40 | B | 2 |
| T342 | 1 | *Fraxinus excelsior* Ash | 13.0 | 2 | 51 | N 5.0 E 6.0 S 6.0 W 5.0 | 5.0 | 5.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 118.7 | 6.1 | 10-20 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T343 | 1 | *Fraxinus excelsior* Ash | 12.0 | 5 | 68 | N 5.0 E 6.0 S 6.0 W 7.0 | 0.5 | 2.5 | Ancient or Veteran | Fair | Ancient and veteran tree. x4 veteran features (Hollowing, deadwood, rot holes, rot sites).<br><br>Historic layered coppice stool. Lateral element of stool has been included in stem DBH to enable better RPA. Diameter near base is 111 cm.<br><br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 210.4 | 8.2 | 20-40 | A | 3 |
| T344 | 1 | *Quercus robur* English Oak | 15.0 | 1 | 71 | N 10.0 E 11.0 S 9.0 W 4.0 | 1.0 | 3.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 228.0 | 8.5 | 40+ | B | 2 |
| T345 | 1 | *Fraxinus excelsior* Ash | 15.0 | 1 | 64 | N 8.0 E 8.0 S 8.0 W 9.0 | 2.5 | 4.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 185.3 | 7.7 | 10-20 | C | 2 |
| T346 | 1 | *Fraxinus excelsior* Ash | 13.0 | 2 | 76 | N 10.0 E 9.0 S 6.0 W 9.0 | 3.0 | 2.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 263.2 | 9.2 | 10-20 | C | 2 |
| T347 | 1 | *Acer campestre* Field Maple | 9.0 | 3 | 46 | N 4.5 E 4.0 S 4.0 W 4.0 | 5.0 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 99.6 | 5.6 | 40+ | B | 2 |

# Luton Airport
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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G348 | 15<br>10<br>5<br>1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Corylus avellana*<br>Common Hazel<br>*Sambucus nigra*<br>Elder<br>*Prunus spinosa*<br>Blackthorn/Sloe | 8.0 | 6 | 29 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.5 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 39.1 | 3.5 | 10-20 | C | 2 |
| G349 | 6<br>1 | *Ilex aquifolium*<br>Holly<br>*Corylus avellana*<br>Common Hazel | 12.0 | 3 | 50 | N 5.0 E 5.0 S 5.0 W 5.0 | 0.5 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 117.4 | 6.1 | 20-40 | C | 2 |
| G350 | 2<br>1 | *Acer campestre*<br>Field Maple<br>*Fraxinus excelsior*<br>Ash | 12.0 | 2 | 48 | N 6.0 E 5.0 S 6.0 W 5.0 | 1.5 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 106.0 | 5.8 | 20-40 | B | 2 |
| T351 | 1 | *Cerasus avium*<br>Wild Cherry | 12.0 | 1 | 33 | N 2.5 E 5.0 S 5.0 W 6.0 | 1.5 | 3.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 49.3 | 4.0 | 10-20 | C | 2 |
| T352 | 1 | *Acer pseudoplatanus*<br>Sycamore | 5.0 | 5 | 20 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.5 | 0.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.5 | 2.4 | 20-40 | C | 2 |
| T353 | 1 | *Acer pseudoplatanus*<br>Sycamore | 6.0 | 5 | 22 | N 2.5 E 2.5 S 2.5 W 3.0 | 1.5 | 2.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 23.2 | 2.7 | 20-40 | C | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T354 | 1 | *Acer pseudoplatanus* Sycamore | 10.0 | 1 | 30 | N 5.0 E 5.0 S 5.0 W 5.0 | 2.0 | 2.0 | Early Mature | Poor | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. Unable to get near tree. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 40.7 | 3.6 | 10-20 | C | 2 |
| T355 | 1 | *Acer pseudoplatanus* Sycamore | 10.0 | 6 | 48 | N 6.0 E 6.0 S 6.0 W 6.0 | 1.0 | 3.0 | Early Mature | Poor | Access to inspect base - Restricted / obscured. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 108.6 | 5.9 | 10-20 | C | 2 |
| G356 | 5<br>5<br>4 | *Sambucus nigra* Elder<br>*Acer pseudoplatanus* Sycamore<br>*Crataegus monogyna* Common Hawthorn/Quick/May | 5.0 | 3 | 17 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 13.8 | 2.1 | 20-40 | C | 2 |

# Luton Airport
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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G357 | 50<br>40<br>40<br>5<br>5<br>2 | *Sambucus nigra* Elder<br>*Prunus spinosa* Blackthorn/Sloe<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Fraxinus excelsior* Ash<br>*Acer campestre* Field Maple<br>*Acer pseudoplatanus* Sycamore | 8.0 | 2 | 20 | N 3.0 E 3.0 S 3.0 W 3.0 | 0.5 | 1.0 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. Terrain and vegetation prohibit access to survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 19.2 | 2.5 | 20-40 | C | 2 |
| T358 | 1 | *Acer platanoides* Norway Maple | 4.0 | 1 | 10 | N 2.5 E 2.5 S 2.0 W 2.0 | 2.0 | 2.0 | Semi Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 4.5 | 1.2 | 20-40 | C | 2 |
| T359 | 1 | *Salix sp.* Willow sp. | 12.0 | 8 | 50 | N 6.0 E 7.0 S 6.0 W 4.0 | 0.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 117.3 | 6.1 | 20-40 | C | 2 |
| T360 | 1 | *Quercus robur* English Oak | 5.0 | 1 | 25 | N 4.0 E 4.0 S 3.0 W 3.0 | 1.0 | 1.5 | Early Mature | Good | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 28.3 | 3.0 | 40+ | B | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T361 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 4 | 24 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T362 | 1 | *Acer pseudoplatanus* Sycamore | 8.0 | 2 | 51 | N 5.0 E 6.0 S 6.0 W 7.0 | 1.0 | 2.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 121.6 | 6.2 | 10-20 | C | 2 |
| T363 | 1 | *Acer pseudoplatanus* Sycamore | 10.0 | 5 | 74 | N 6.0 E 6.0 S 6.0 W 6.0 | 1.0 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 254.2 | 9.0 | 20-40 | C | 2 |
| T364 | 1 | *Fraxinus excelsior* Ash | 9.0 | 1 | 40 | N 5.0 E 5.0 S 6.0 W 6.0 | 1.0 | 2.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 72.4 | 4.8 | 20-40 | B | 2 |
| T365 | 1 | *Acer pseudoplatanus* Sycamore | 9.0 | 9 | 84 | N 8.0 E 8.0 S 8.0 W 9.0 | 1.0 | 0.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 319.2 | 10.1 | 20-40 | C | 2 |
| T366 | 1 | *Acer campestre* Field Maple | 5.5 | 2 | 13 | N 2.0 E 2.0 S 2.0 W 2.0 | 2.0 | 2.0 | Semi Mature | Good | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 7.7 | 1.6 | 20-40 | C | 2 |
| T367 | 1 | *Quercus robur* English Oak | 4.5 | 1 | 17 | N 2.5 E 2.5 S 2.5 W 3.0 | 1.0 | 1.5 | Semi Mature | Good | Base / stems obscured - Vegetation. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 13.1 | 2.0 | 40+ | B | 2 |
| T368 | 1 | *Salix sp.* Willow sp. | 7.0 | 4 | 62 | N 6.0 E 7.0 S 5.0 W 6.0 | 1.5 | 1.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 179.4 | 7.6 | 10-20 | C | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G369 | 4<br>2<br>2<br>1<br>1 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Acer campestre* Field Maple<br>*Prunus spinosa* Blackthorn/Sloe<br>*Laburnum anagyroides* Common Laburnum (Golden Chain)<br>*Salix sp.* Willow sp. | 5.0 | 1 | 10 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.5 | 1.0 | Semi Mature | Fair | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 4.5 | 1.2 | 10-20 | C | 2 |
| T370 | 1 | *Acer campestre* Field Maple | 3.5 | 1 | 9 | N 1.5 E 2.0 S 2.0 W 1.5 | 2.0 | 2.0 | Semi Mature | Fair | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 3.7 | 1.1 | 10-20 | C | 2 |
| T371 | 1 | *Alnus cordata* Italian Alder | 8.5 | 4 | 26 | NW 4.0 NE 5.0 SE 3.5 SW 4.0 | 1.5 | 2.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 32.8 | 3.2 | 20-40 | C | 2 |
| G372 | 4 | *Alnus cordata* Italian Alder | 8.0 | 1 | 16 | N 3.0 E 3.0 S 3.0 W 3.0 | 2.0 | 0.5 | Semi Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 11.6 | 1.9 | 20-40 | C | 2 |
| G373 | 18 | *Alnus cordata* Italian Alder | 12.0 | 1 | 25 | N 5.0 E 5.0 S 5.0 W 5.0 | 1.5 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 28.3 | 3.0 | 40+ | B | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G374 | 15<br>9<br>7<br>2 | *Cerasus avium* Wild Cherry<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Acer campestre* Field Maple<br>*Sambucus nigra* Elder | 6.0 | 1 | 10 | NW 1.5 NE 2.5 SE 2.5 SW 1.5 | 1.5 | 1.0 | Semi Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 4.5 | 1.2 | 10-20 | C | 2 |
| G375 | 22<br>18<br>18<br>18<br>6<br>5 | *Alnus cordata* Italian Alder<br>*Acer campestre* Field Maple<br>*Cerasus avium* Wild Cherry<br>*Sorbus intermedia* Swedish Whitebeam<br>*Padus avium* Bird Cherry<br>*Salix sp.* Willow sp. | 12.0 | 1 | 21 | N 3.0 E 3.0 S 3.0 W 3.0 | 1.0 | 1.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 20.0 | 2.5 | 20-40 | B | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G376 | 26<br>25<br>24<br>22<br>10<br>6<br>1 | *Acer campestre* Field Maple<br>*Alnus cordata* Italian Alder<br>*Cerasus avium* Wild Cherry<br>*Sorbus intermedia* Swedish Whitebeam<br>*Salix sp.* Willow sp.<br>*Padus avium* Bird Cherry<br>*Populus x canescens* Grey Poplar | 12.0 | 1 | 24 | N 4.0 E 4.0 S 4.0 W 4.0 | 1.0 | 1.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 26.1 | 2.9 | 20-40 | B | 2 |
| T377 | 1 | *Fraxinus excelsior* Ash | 12.0 | 2 | 43 | N 7.0 E 6.0 S 5.0 W 5.0 | 0.5 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 84.4 | 5.2 | 20-40 | C | 2 |
| T378 | 1 | *Fraxinus excelsior* Ash | 11.0 | 2 | 35 | N 3.0 E 6.0 S 4.5 W 4.0 | 2.0 | 3.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 56.9 | 4.3 | 20-40 | C | 2 |
| T379 | 1 | *Quercus robur* English Oak | 17.0 | 1 | 86 | N 7.0 E 10.0 S 11.0 W 6.0 | 2.0 | 5.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 334.6 | 10.3 | 40+ | B | 2 |
| T380 | 1 | *Quercus robur* English Oak | 16.0 | 1 | 80 | N 6.0 E 9.0 S 9.0 W 12.0 | 3.0 | 4.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 289.5 | 9.6 | 40+ | B | 2 |
| T381 | 1 | *Quercus robur* English Oak | 14.0 | 1 | 58 | N 7.0 E 9.0 S 4.5 W 10.0 | 4.0 | 4.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 152.2 | 7.0 | 40+ | B | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T382 | 1 | *Quercus robur* English Oak | 16.0 | 1 | 103 | N 12.0 E 13.0 S 12.0 W 13.0 | 0.5 | 3.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 479.9 | 12.4 | 20-40 | B | 2 |
| T383 | 1 | *Quercus robur* English Oak | 11.0 | 1 | 87 | N 5.0 E 6.0 S 7.0 W 5.0 | 6.0 | 4.5 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 342.4 | 10.4 | 10-20 | C | 2 |
| T384 | 1 | *Fraxinus excelsior* Ash | 16.0 | 5 | 111 | N 12.0 E 12.0 S 10.0 W 11.0 | 0.5 | 4.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 567.4 | 13.4 | 20-40 | B | 2 |
| T385 | 1 | *Quercus robur* English Oak | 14.0 | 1 | 94 | N 6.0 E 9.0 S 7.0 W 9.0 | 1.5 | 4.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 399.7 | 11.3 | 20-40 | B | 2 |
| T386 | 1 | *Quercus robur* English Oak | 12.0 | 1 | 66 | N 7.0 E 6.0 S 5.0 W 7.0 | 4.0 | 3.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 197.1 | 7.9 | 10-20 | C | 2 |
| T387 | 1 | *Quercus robur* English Oak | 8.0 | 1 | 50 | N 7.0 E 6.0 S 2.0 W 2.0 | 1.5 | 1.5 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 113.1 | 6.0 | 10-20 | C | 2 |
| T388 | 1 | *Quercus robur* English Oak | 10.0 | 1 | 100 | N 7.0 E 9.0 S 9.0 W 9.0 | 1.5 | 3.0 | Early Mature | Good | CAVAT Structural Value reduced to 50% because Life Stage, Stem Diameter and Height do not appear to match.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 452.4 | 12.0 | 40+ | B | 2 |
| T389 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 7.0 | 2 | 44 | N 3.0 E 4.0 S 4.0 W 5.0 | 3.0 | 2.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 89.3 | 5.3 | 10-20 | C | 2 |
| T390 | 1 | *Fraxinus excelsior* Ash | 16.0 | 1 | 42 | N 6.0 E 5.0 S 5.0 W 5.0 | 4.5 | 2.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 79.8 | 5.0 | 10-20 | C | 2 |

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# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G391 | 11<br>3 | *Fraxinus excelsior* Ash<br>*Crataegus monogyna* Common Hawthorn/Quick/May | 10.0 | 1 | 20 | N 3.0 E 3.0 S 4.0 W 5.0 | 2.0 | 1.5 | Early Mature | Fair | Dimensions reflect ash in group.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.1 | 2.4 | 20-40 | C | 2 |
| T392 | 1 | *Salix sp.* Willow sp. | 8.0 | 3 | 45 | N 7.0 E 5.0 S 5.0 W 6.0 | 1.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 92.0 | 5.4 | 20-40 | C | 2 |
| T393 | 1 | *Ilex aquifolium* Holly | 7.0 | 4 | 53 | N 5.0 E 5.0 S 5.0 W 5.0 | 0.5 | 2.5 | Early Mature | Good | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 129.4 | 6.4 | 20-40 | B | 2 |
| T394 | 1 | *Quercus robur* English Oak | 13.0 | 1 | 62 | N 6.0 E 8.0 S 8.0 W 8.0 | 2.0 | 4.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 173.9 | 7.4 | 40+ | B | 2 |
| G395 | 7 | *Pinus sylvestris* Scots Pine | 12.0 | 1 | 23 | N 2.0 E 2.0 S 2.0 W 3.0 | 2.0 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 23.9 | 2.8 | 40+ | B | 2 |
| T396 | 1 | *Quercus robur* English Oak | 12.0 | 1 | 83 | N 9.0 E 9.0 S 9.0 W 9.0 | 3.0 | 2.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 311.7 | 10.0 | 20-40 | B | 2 |
| T397 | 1 | *Quercus robur* English Oak | 8.0 | 1 | 28 | N 3.5 E 4.0 S 4.0 W 4.0 | 2.5 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 35.5 | 3.4 | 40+ | B | 2 |
| T398 | 1 | *Acer campestre* Field Maple | 6.0 | 6 | 58 | N 5.0 E 6.0 S 5.0 W 6.0 | 1.5 | 1.5 | Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 156.3 | 7.1 | 20-40 | B | 2 |
| T399 | 1 | *Quercus robur* English Oak | 13.0 | 1 | 52 | N 7.0 E 9.0 S 9.0 W 9.0 | 3.0 | 5.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 122.3 | 6.2 | 20-40 | B | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G400 | 8 | *Pinus sylvestris* Scots Pine | 10.0 | 1 | 30 | N 3.0 E 3.0 S 3.0 W 4.5 | 3.0 | 4.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 40.7 | 3.6 | 20-40 | B | 2 |
| T401 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 6.0 | 2 | 43 | N 5.0 E 5.0 S 5.0 W 5.0 | 3.5 | 1.5 | Mature | Fair | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 84.4 | 5.2 | 10-20 | C | 2 |
| T402 | 1 | *Acer campestre* Field Maple | 8.0 | 4 | 54 | N 5.0 E 6.0 S 6.0 W 6.0 | 1.0 | 1.5 | Mature | Good | Not on topographical survey, plotted freehand. | 132.0 | 6.5 | 20-40 | B | 2 |
| T403 | 1 | *Quercus robur* English Oak | 15.0 | 1 | 120 | N 12.0 E 9.0 S 11.0 W 11.0 | 1.0 | 4.5 | Early Mature | Good | | 651.4 | 14.4 | 40+ | B | 2 |
| T404 | 1 | *Quercus robur* English Oak | 8.0 | 1 | 29 | N 5.0 E 2.0 S 5.0 W 7.0 | 2.0 | 2.0 | Early Mature | Good | | 38.0 | 3.5 | 40+ | B | 2 |
| T405 | 1 | *Quercus robur* English Oak | 11.0 | 1 | 102 | N 9.0 E 7.0 S 9.0 W 9.0 | 2.5 | 2.5 | Mature | Fair | Not on topographical survey, plotted freehand. | 470.7 | 12.2 | 20-40 | C | 2 |
| T406 | 1 | *Quercus robur* English Oak | 11.0 | 1 | 31 | N 5.0 E 6.0 S 4.0 W 7.0 | 2.5 | 2.0 | Early Mature | Good | | 43.5 | 3.7 | 20-40 | C | 2 |
| T407 | 1 | *Quercus robur* English Oak | 10.0 | 1 | 73 | N 7.0 E 7.0 S 7.0 W 6.0 | 2.0 | 4.0 | Early Mature | Fair | | 241.1 | 8.8 | 20-40 | B | 2 |
| G408 | 3 | *Pinus sylvestris* Scots Pine | 10.0 | 1 | 24 | N 2.5 E 2.5 S 2.5 W 2.5 | 3.0 | 4.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 26.1 | 2.9 | 10-20 | C | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G409 | 3<br>1 | *Quercus robur*<br>English Oak<br>*Quercus rubra*<br>Red Oak | 13.0 | 1 | 30 | NW 6.0 NE 3.0 SE 4.0 SW 6.0 | 2.5 | 1.5 | Early Mature | Fair | | 40.7 | 3.6 | 20-40 | C | 2 |
| T410 | 1 | *Quercus robur*<br>English Oak | 12.0 | 1 | 64 | NW 7.5 NE 7.0 SE 7.5 SW 7.5 | 2.5 | 2.0 | Early Mature | Good | | 185.3 | 7.7 | 40+ | B | 2 |
| T411 | 1 | *Fraxinus excelsior*<br>Ash | 12.0 | 1 | 39 | N 7.0 E 6.0 S 6.0 W 7.0 | 3.0 | 2.0 | Early Mature | Fair | | 68.8 | 4.7 | 20-40 | B | 2 |
| T412 | 1 | *Quercus robur*<br>English Oak | 7.0 | 1 | 24 | N 3.0 E 6.0 S 3.0 W 6.0 | 1.5 | 2.0 | Early Mature | Fair | | 26.1 | 2.9 | 20-40 | C | 2 |
| T413 | 1 | *Cerasus avium*<br>Wild Cherry | 4.0 | 1 | 13 | N 3.0 E 1.0 S 3.0 W 4.0 | 2.0 | 2.0 | Semi Mature | Poor | | 7.6 | 1.6 | 10-20 | C | 2 |
| T414 | 1 | *Cerasus avium*<br>Wild Cherry | 8.0 | 1 | 19 | N 5.0 E 3.0 S 1.0 W 5.0 | 3.0 | 4.0 | Early Mature | Fair | | 16.3 | 2.3 | 10-20 | C | 2 |
| T415 | 1 | *Quercus rubra*<br>Red Oak | 13.0 | 1 | 33 | N 7.0 E 3.5 S 3.0 W 6.5 | 4.0 | 3.0 | Early Mature | Fair | | 49.3 | 4.0 | 20-40 | B | 2 |
| G416 | 8<br>1<br>1 | *Cerasus avium*<br>Wild Cherry<br>*Acer campestre*<br>Field Maple<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May | 9.0 | 2 | 26 | N 3.0 E 3.0 S 3.0 W 3.0 | 2.5 | 1.5 | Early Mature | Fair | | 30.8 | 3.1 | 10-20 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T417 | 1 | *Pinus sylvestris*<br>Scots Pine | 6.0 | 1 | 17 | N E S W<br>4.0 0.0 0.0 3.0 | 5.0 | 5.0 | Early Mature | Poor | | 13.1 | 2.0 | 10-20 | C | 2 |
| T418 | 1 | *Quercus robur*<br>English Oak | 11.0 | 4 | 52 | N E S W<br>8.0 7.0 8.0 8.0 | 2.0 | 3.0 | Early Mature | Good | | 125.2 | 6.3 | 40+ | B | 2 |
| T419 | 1 | *Fagus sylvatica*<br>Common Beech | 9.0 | 10 | 44 | N E S W<br>5.0 5.0 5.0 6.0 | 0.0 | 0.5 | Early Mature | Poor | | 88.7 | 5.3 | 10-20 | C | 2 |
| T420 | 1 | *Quercus robur*<br>English Oak | 12.0 | 1 | 29 | N E S W<br>4.0 6.0 3.0 3.0 | 3.0 | 2.5 | Early Mature | Good | | 38.0 | 3.5 | 20-40 | B | 2 |
| T421 | 1 | *Pinus sylvestris*<br>Scots Pine | 9.0 | 1 | 28 | N E S W<br>4.0 2.0 3.0 4.0 | 2.0 | 4.0 | Early Mature | Fair | | 35.5 | 3.4 | 10-20 | C | 2 |
| T422 | 1 | *Quercus rubra*<br>Red Oak | 10.0 | 1 | 22 | NW NE SE SW<br>5.0 4.0 2.0 6.0 | 4.0 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 21.9 | 2.6 | 20-40 | B | 2 |
| G423 | 10<br>1<br>1<br>1 | *Cerasus avium*<br>Wild Cherry<br>*Acer campestre*<br>Field Maple<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Ulmus glabra*<br>Wych Elm | 8.0 | 3 | 35 | N E S W<br>5.0 5.0 5.0 5.0 | 2.5 | 1.0 | Early Mature | Fair | | 57.5 | 4.3 | 10-20 | C | 2 |
| T424 | 1 | *Acer campestre*<br>Field Maple | 7.0 | 12 | 55 | N E S W<br>6.0 6.0 6.0 6.0 | 1.0 | 1.5 | Mature | Good | Historic coppice stool. Not on topographical survey, plotted freehand. | 139.0 | 6.7 | 20-40 | B | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G425 | 2 | *Quercus rubra*<br>Red Oak | 11.0 | 1 | 32 | N 7.0 E 7.0 S 7.0 W 7.0 | 1.5 | 2.0 | Early Mature | Good | | 46.3 | 3.8 | 20-40 | B | 2 |
| T426 | 1 | *Acer platanoides*<br>Norway Maple | 8.0 | 2 | 26 | N 5.0 E 5.0 S 5.0 W 5.0 | 1.0 | 2.0 | Early Mature | Fair | | 31.2 | 3.1 | 10-20 | C | 2 |
| T427 | 1 | *Cerasus avium*<br>Wild Cherry | 7.0 | 1 | 38 | N 6.0 E 5.0 S 6.0 W 7.0 | 2.5 | 2.0 | Early Mature | Fair | | 65.3 | 4.6 | 10-20 | C | 2 |
| T428 | 1 | *Quercus robur*<br>English Oak | 9.0 | 1 | 68 | N 5.0 E 6.0 S 7.0 W 5.0 | 1.5 | 2.0 | Early Mature | Fair | | 209.2 | 8.2 | 20-40 | B | 2 |
| T429 | 1 | *Quercus robur*<br>English Oak | 6.0 | 1 | 15 | N 4.5 E 4.5 S 4.0 W 5.0 | 1.5 | 1.5 | Semi Mature | Good | Not on topographical survey, plotted freehand. | 10.2 | 1.8 | 40+ | C | 2 |
| T430 | 1 | *Quercus rubra*<br>Red Oak | 7.0 | 1 | 23 | NW 3.5 NE 4.0 SE 4.0 SW 6.0 | 2.5 | 2.0 | Early Mature | Poor | | 23.9 | 2.8 | 10-20 | C | 2 |
| T431 | 1 | *Quercus rubra*<br>Red Oak | 8.0 | 1 | 22 | N 6.0 E 5.0 S 3.0 W 5.0 | 3.5 | 3.0 | Early Mature | Fair | | 21.9 | 2.6 | 20-40 | B | 2 |
| T432 | 1 | *Acer campestre*<br>Field Maple | 10.0 | 3 | 35 | N 2.0 E 5.0 S 6.0 W 4.0 | 4.0 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 58.4 | 4.3 | 10-20 | C | 2 |
| T433 | 1 | *Quercus robur*<br>English Oak | 12.0 | 2 | 53 | N 8.0 E 8.0 S 8.0 W 8.0 | 4.0 | 4.0 | Early Mature | Good | | 130.7 | 6.5 | 40+ | B | 2 |
| T434 | 1 | *Acer campestre*<br>Field Maple | 10.0 | 5 | 42 | N 6.0 E 5.0 S 5.0 W 3.0 | 4.5 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 80.2 | 5.1 | 20-40 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T435 | 1 | *Quercus robur*<br>English Oak | 11.0 | 3 | 43 | N E S W<br>6.0 8.0 7.0 5.0 | 0.5 | 1.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 85.2 | 5.2 | 20-40 | C | 2 |
| G436 | 15<br>4<br>4<br>2<br>1 | *Corylus avellana*<br>Common Hazel<br>*Sambucus nigra*<br>Elder<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Ulmus sp.*<br>Elm sp.<br>*Fraxinus excelsior*<br>Ash | 6.0 | 6 | 24 | N E S W<br>3.5 3.5 3.5 3.5 | 1.0 | 0.5 | Early Mature | Fair | | 27.1 | 2.9 | 10-20 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G437 | 35<br>35<br>15<br>10<br>5<br>1 | *Prunus spinosa* Blackthorn/Sloe<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Corylus avellana* Common Hazel<br>*Cerasus avium* Wild Cherry<br>*Sambucus nigra* Elder<br>*Quercus rubra* Red Oak | 4.0 | 3 | 14 | N 1.5 E 1.5 S 1.5 W 1.5 | 1.0 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 9.0 | 1.7 | 10-20 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G438 | 200 | *Prunus spinosa* Blackthorn/Sloe | 5.0 | 4 | 23 | N 3.0 E 3.0 S 3.0 W 3.0 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 25.5 | 2.8 | 10-20 | C | 2 |
| | 150 | *Crataegus monogyna* Common Hawthorn/Quick/May | | | | | | | | | | | | | | |
| | 50 | *Sambucus nigra* Elder | | | | | | | | | | | | | | |
| | 40 | *Corylus avellana* Common Hazel | | | | | | | | | | | | | | |
| | 35 | *Cerasus avium* Wild Cherry | | | | | | | | | | | | | | |
| | 30 | *Acer campestre* Field Maple | | | | | | | | | | | | | | |
| | 30 | *Fraxinus excelsior* Ash | | | | | | | | | | | | | | |
| | 20 | *Ilex aquifolium* Holly | | | | | | | | | | | | | | |
| | 15 | *Ulmus sp.* Elm sp. | | | | | | | | | | | | | | |
| | 10 | *Acer pseudoplatanus* Sycamore | | | | | | | | | | | | | | |
| | 5 | *Ulmus glabra* Wych Elm | | | | | | | | | | | | | | |
| T439 | 1 | *Ulmus sp.* Elm sp. | 5.0 | 2 | 14 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.5 | 1.0 | Semi Mature | Good | | 10.0 | 1.8 | 10-20 | C | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T440 | 1 | *Ulmus sp.*<br>Elm sp. | 4.5 | 1 | 15 | N E S W<br>2.5 2.5 2.5 2.5 | 1.0 | 1.5 | Semi Mature | Poor | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G441 | 4<br>3<br>3 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Ulmus sp.*<br>Elm sp.<br>*Prunus spinosa*<br>Blackthorn/Sloe | 4.0 | 1 | 12 | N E S W<br>2.0 2.0 2.0 2.0 | 0.5 | 1.0 | Semi Mature | Fair | Base / stems obscured - Vegetation. | 6.5 | 1.4 | 10-20 | C | 2 |
| G442 | 2 | *Ulmus sp.*<br>Elm sp. | 6.0 | 1 | 15 | N E S W<br>3.0 3.0 3.0 3.0 | 2.0 | 1.5 | Semi Mature | Dead | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G443 | 7<br>1 | *Ulmus sp.*<br>Elm sp.<br>*Sambucus nigra*<br>Elder | 6.0 | 1 | 12 | N E S W<br>2.5 2.5 2.5 2.5 | 2.0 | 1.5 | Semi Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G444 | 2<br>1 | *Corylus avellana*<br>Common Hazel<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May | 5.0 | 15 | 30 | N E S W<br>3.0 3.0 3.0 3.0 | 1.0 | 1.5 | Early Mature | Good | | 43.4 | 3.7 | 10-20 | C | 2 |
| T445 | 1 | *Salix sp.*<br>Willow sp. | 6.5 | 16 | 64 | N E S W<br>5.0 5.0 5.0 5.0 | 0.5 | 0.5 | Early Mature | Good | | 185.3 | 7.7 | 10-20 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T446 | 1 | *Quercus robur*<br>English Oak | 4.5 | 1 | 14 | NW 5.0 NE 4.0 SE 0.0 SW 4.0 | 1.0 | 0.5 | Semi Mature | Good | Not on topographical survey, plotted freehand. | 8.9 | 1.7 | 20-40 | C | 2 |
| T447 | 1 | *Quercus robur*<br>English Oak | 5.0 | 1 | 25 | N 4.5 E 4.5 S 4.5 W 4.5 | 0.0 | 1.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 28.3 | 3.0 | 40+ | B | 2 |
| T448 | 1 | *Alnus cordata*<br>Italian Alder | 9.0 | 1 | 21 | N 4.5 E 4.0 S 4.0 W 4.5 | 1.5 | 1.5 | Early Mature | Good | | 20.0 | 2.5 | 20-40 | B | 2 |
| T449 | 1 | *Salix sp.*<br>Willow sp. | 7.0 | 4 | 40 | N 5.0 E 5.0 S 5.0 W 5.0 | 0.5 | 1.5 | Early Mature | Good | | 75.2 | 4.9 | 10-20 | C | 2 |
| T450 | 1 | *Fraxinus excelsior*<br>Ash | 12.0 | 1 | 33 | N 7.0 E 7.0 S 3.5 W 6.0 | 3.0 | 2.0 | Early Mature | Good | | 49.3 | 4.0 | 20-40 | C | 2 |
| G451 | 4 | *Fraxinus excelsior*<br>Ash | 12.0 | 2 | 34 | NW 7.0 NE 8.0 SE 8.0 SW 7.0 | 1.5 | 3.0 | Early Mature | Fair | Plotted freehand, not on topographical survey. | 54.9 | 4.2 | 10-20 | C | 2 |
| T452 | 1 | *Quercus robur*<br>English Oak | 8.0 | 1 | 75 | NW 6.0 NE 4.0 SE 9.0 SW 8.0 | 3.0 | 3.5 | Early Mature | Fair | | 254.5 | 9.0 | 20-40 | C | 2 |
| T453 | 1 | *Sambucus nigra*<br>Elder | 5.0 | 8 | 22 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.0 | 1.0 | Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G454 | 18 | *Cupressus sp.*<br>Cypress sp. | 10.0 | 1 | 35 | N 3.5 E 3.5 S 3.5 W 3.5 | 1.5 | 1.0 | Early Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 55.4 | 4.2 | 20-40 | B | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T455 | 1 | *Malus sp.*<br>Apple sp. | 6.0 | 1 | 35 | N E S W<br>4.0 5.0 4.0 4.0 | 2.0 | 2.0 | Early Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 55.4 | 4.2 | 20-40 | B | 2 |
| G456 | 4 | *Sambucus nigra*<br>Elder | 4.0 | 2 | 17 | N E S W<br>2.0 2.0 2.0 2.0 | 1.5 | 1.0 | Early Mature | Fair | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 13.1 | 2.0 | 10-20 | C | 2 |
| G457 | 8<br>1 | *Sambucus nigra*<br>Elder<br>*Acer pseudoplatanus*<br>Sycamore | 5.0 | 2 | 11 | N E S W<br>2.0 2.0 2.0 2.0 | 1.0 | 1.0 | Early Mature | Fair | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 6.2 | 1.4 | 10-20 | C | 2 |
| G458 | 8<br>3 | *Sambucus nigra*<br>Elder<br>*Acer pseudoplatanus*<br>Sycamore | 6.0 | 2 | 16 | N E S W<br>2.5 2.5 2.5 2.5 | 1.5 | 1.0 | Early Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 12.2 | 2.0 | 20-40 | C | 2 |
| G459 | 10<br>4<br>1<br>1 | *Prunus spinosa*<br>Blackthorn/Sloe<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Quercus robur*<br>English Oak<br>*Fraxinus excelsior*<br>Ash | 8.0 | 2 | 23 | N E S W<br>3.0 3.0 3.0 4.0 | 1.5 | 1.5 | Early Mature | Good | Base / stems obscured - Vegetation. Dimensions reflect oak and ash in group. | 24.6 | 2.8 | 20-40 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G460 | 50<br>25<br>15<br>15<br>1 | *Prunus spinosa* Blackthorn/Sloe<br>*Corylus avellana* Common Hazel<br>*Sambucus nigra* Elder<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Ulmus sp.* Elm sp. | 4.5 | 6 | 19 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. Hedgerow - Neglected / overgrown.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 17.4 | 2.4 | 20-40 | C | 2 |
| T461 | 1 | *Quercus robur* English Oak | 12.0 | 1 | 92 | N 9.0 E 11.0 S 11.0 W 12.0 | 1.0 | 2.0 | Early Mature | Good | | 382.9 | 11.0 | 40+ | B | 2 |
| G462 | 4 | *Sorbus intermedia* Swedish Whitebeam | 7.0 | 1 | 20 | N 2.0 E 2.0 S 2.0 W 2.0 | 2.0 | 2.0 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.1 | 2.4 | 10-20 | C | 2 |
| T463 | 1 | *Tilia sp.* Lime sp. | 5.0 | 1 | 19 | NW 3.0 NE 3.0 SE 2.0 SW 2.0 | 1.5 | 2.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 16.3 | 2.3 | 20-40 | C | 2 |
| T464 | 1 | *Tilia sp.* Lime sp. | 4.0 | 1 | 18 | NW 3.0 NE 3.0 SE 2.0 SW 2.0 | 1.5 | 2.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 14.7 | 2.2 | 20-40 | C | 2 |
| T465 | 1 | *Tilia sp.* Lime sp. | 2.5 | 1 | 7 | N 1.0 E 1.0 S 0.0 W 0.5 | 2.5 | 2.0 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T466 | 1 | *Tilia sp.* Lime sp. | 2.5 | 1 | 7 | N 1.0 E 1.0 S 0.5 W 1.0 | 2.0 | 2.0 | Semi Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 2.2 | 0.8 | 10-20 | C | 2 |

# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T467 | 1 | *Tilia sp.* Lime sp. | 4.0 | 1 | 11 | N 2.0 E 2.0 S 1.0 W 1.5 | 2.5 | 2.0 | Semi Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T468 | 1 | *Tilia sp.* Lime sp. | 3.0 | 1 | 7 | N 0.5 E 1.0 S 0.5 W 0.5 | 2.0 | 1.5 | Semi Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T469 | 1 | *Tilia sp.* Lime sp. | 2.5 | 1 | 7 | N 1.0 E 1.0 S 1.0 W 0.5 | 1.5 | 1.5 | Semi Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T470 | 1 | *Tilia sp.* Lime sp. | 5.0 | 1 | 17 | N 3.0 E 3.0 S 3.0 W 2.0 | 2.0 | 2.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 13.1 | 2.0 | 40+ | B | 2 |
| T471 | 1 | *Tilia sp.* Lime sp. | 5.0 | 1 | 20 | N 3.0 E 3.5 S 3.0 W 2.5 | 1.0 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.1 | 2.4 | 40+ | B | 2 |
| T472 | 1 | *Tilia sp.* Lime sp. | 3.0 | 1 | 8 | N 1.5 E 1.5 S 0.5 W 1.5 | 1.5 | 1.5 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T473 | 1 | *Tilia sp.* Lime sp. | 3.5 | 1 | 11 | N 1.5 E 2.0 S 1.0 W 0.5 | 2.5 | 2.0 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T474 | 1 | *Tilia sp.* Lime sp. | 3.0 | 1 | 9 | N 0.5 E 1.0 S 0.5 W 1.0 | 2.5 | 2.0 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T475 | 1 | *Tilia sp.* Lime sp. | 4.0 | 1 | 8 | N 1.5 E 1.5 S 1.0 W 1.0 | 2.0 | 1.5 | Semi Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 2.9 | 1.0 | 20-40 | C | 2 |
| T476 | 1 | *Tilia sp.* Lime sp. | 3.0 | 1 | 5 | N 0.5 E 0.5 S 0.5 W 0.5 | 2.5 | 1.5 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T477 | 1 | *Tilia sp.* Lime sp. | 3.0 | 1 | 5 | N 0.5 E 0.5 S 0.5 W 0.5 | 2.5 | 1.5 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |

# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T478 | 1 | *Tilia sp.*<br>Lime sp. | 3.0 | 1 | 5 | N 0.5 E 0.5 S 0.5 W 0.5 | 2.5 | 1.5 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T479 | 1 | *Tilia sp.*<br>Lime sp. | 3.0 | 1 | 5 | N 0.5 E 0.5 S 0.5 W 0.5 | 2.5 | 1.5 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T480 | 1 | *Tilia sp.*<br>Lime sp. | 1.5 | 1 | 5 | N 0.5 E 0.5 S 0.5 W 0.5 | 1.0 | 0.5 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T481 | 1 | *Tilia sp.*<br>Lime sp. | 2.0 | 1 | 5 | N 0.5 E 0.5 S 0.5 W 0.5 | 20.0 | 1.5 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T482 | 1 | *Tilia sp.*<br>Lime sp. | 3.0 | 1 | 5 | N 0.5 E 0.5 S 0.5 W 0.5 | 2.5 | 1.5 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T483 | 1 | *Quercus robur*<br>English Oak | 8.0 | 1 | 35 | N 6.0 E 5.0 S 6.0 W 5.0 | 1.5 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 55.4 | 4.2 | 40+ | B | 2 |
| T484 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 6.0 | 6 | 39 | N 4.0 E 4.0 S 4.0 W 3.5 | 0.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 69.5 | 4.7 | 20-40 | C | 2 |
| T485 | 1 | *Fraxinus excelsior*<br>Ash | 6.0 | 1 | 25 | N 4.0 E 4.0 S 4.0 W 4.0 | 2.0 | 1.5 | Early Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. | 28.3 | 3.0 | 20-40 | B | 2 |
| T486 | 1 | *Aesculus hippocastanum*<br>Horse Chestnut | 5.0 | 3 | 22 | N 4.0 E 5.0 S 4.5 W 3.5 | 1.0 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 23.3 | 2.7 | 20-40 | C | 2 |
| T487 | 1 | *Fraxinus excelsior*<br>Ash | 8.0 | 1 | 27 | N 3.0 E 5.0 S 4.0 W 4.0 | 1.0 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 33.0 | 3.2 | 40+ | B | 2 |

# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T488 | 1 | *Fraxinus excelsior* Ash | 5.0 | 3 | 13 | N 3.5 E 3.0 S 2.0 W 2.0 | 1.5 | 0.5 | Early Mature | Good | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 8.1 | 1.6 | 20-40 | C | 2 |
| T489 | 1 | *Acer pseudoplatanus* Sycamore | 12.0 | 9 | 60 | N 6.0 E 7.0 S 6.5 W 6.0 | 3.0 | 1.5 | Early Mature | Good | | 162.9 | 7.2 | 20-40 | C | 2 |
| T490 | 1 | *Acer pseudoplatanus* Sycamore | 6.0 | 1 | 17 | N 3.0 E 5.0 S 0.0 W 0.0 | 2.5 | 2.5 | Semi Mature | Fair | Not on topographical survey, plotted freehand. | 13.1 | 2.0 | 10-20 | C | 2 |
| G491 | 4 | *Acer pseudoplatanus* Sycamore | 12.0 | 1 | 35 | N 5.0 E 5.0 S 5.0 W 5.0 | 2.5 | 2.0 | Early Mature | Good | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 55.4 | 4.2 | 20-40 | C | 2 |
| T492 | 1 | *Fraxinus excelsior* Ash | 9.0 | 2 | 36 | N 6.0 E 5.0 S 3.5 W 4.0 | 1.5 | 1.0 | Early Mature | Poor | Not on topographical survey, plotted freehand. | 59.4 | 4.3 | 10-20 | C | 2 |
| T493 | 1 | *Acer pseudoplatanus* Sycamore | 9.0 | 8 | 50 | N 5.0 E 4.0 S 4.5 W 5.0 | 1.0 | 0.5 | Early Mature | Good | | 117.3 | 6.1 | 20-40 | C | 2 |
| T494 | 1 | *Acer pseudoplatanus* Sycamore | 8.0 | 4 | 29 | N 4.0 E 4.0 S 4.0 W 3.5 | 1.5 | 1.0 | Early Mature | Good | | 38.6 | 3.5 | 20-40 | C | 2 |
| T495 | 1 | *Acer pseudoplatanus* Sycamore | 2.5 | 1 | 35 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 1.0 | Early Mature | Good | Epicormic growth - Base. Felled. Stump / stumps. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T496 | 1 | *Acer campestre* Field Maple | 1.5 | 1 | 30 | N 0.5 E 0.5 S 0.5 W 0.5 | 0.5 | 0.0 | Early Mature | Fair | Epicormic growth - Base. Felled. Stump / stumps. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |

# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T497 | 1 | *Acer pseudoplatanus* Sycamore | 1.0 | 1 | 30 | N 0.5 E 0.5 S 0.5 W 0.5 | 0.0 | 0.0 | Early Mature | Fair | Epicormic growth - Base. Felled. Stump / stumps. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T498 | 1 | *Acer pseudoplatanus* Sycamore | 2.5 | 1 | 35 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 1.0 | Early Mature | Good | Epicormic growth - Base. Felled. Stump / stumps. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T499 | 1 | *Acer pseudoplatanus* Sycamore | 2.5 | 1 | 35 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 1.0 | Early Mature | Good | Epicormic growth - Base. Felled. Stump / stumps. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T500 | 1 | *Fraxinus excelsior* Ash | 2.0 | 1 | 25 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Early Mature | Good | Epicormic growth - Base. Felled. Stump / stumps. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T501 | 1 | *Acer pseudoplatanus* Sycamore | 10.0 | 13 | 43 | N 4.0 E 4.5 S 5.5 W 4.0 | 3.5 | 2.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 84.7 | 5.2 | 10-20 | C | 2 |
| G502 | 16 | *Acer pseudoplatanus* Sycamore | 4.0 | 1 | 25 | N 0.5 E 0.5 S 0.5 W 0.5 | 0.5 | 0.0 | Early Mature | Good | Epicormic growth - Bole / principal stems. Felled. Stump / stumps. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G503 | 9 | *Acer pseudoplatanus* Sycamore | 10.0 | 2 | 22 | N 3.0 E 3.0 S 3.0 W 3.0 | 2.5 | 1.5 | Early Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 23.5 | 2.7 | 20-40 | C | 2 |
| T504 | 1 | *Betula pendula* Silver Birch | 7.5 | 1 | 15 | N 3.0 E 2.0 S 2.5 W 3.0 | 1.0 | 1.0 | Semi Mature | Fair | Not on topographical survey, plotted freehand. | 10.2 | 1.8 | 10-20 | C | 2 |
| T505 | 1 | *Acer pseudoplatanus* Sycamore | 15.0 | 2 | 52 | N 6.0 E 4.0 S 5.0 W 5.0 | 4.0 | 3.0 | Early Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Not on topographical survey, plotted freehand. On neighbouring property. | 124.0 | 6.3 | 20-40 | B | 2 |
| T506 | 1 | *Acer pseudoplatanus* Sycamore | 14.0 | 3 | 63 | N 6.0 E 6.0 S 9.0 W 6.0 | 2.5 | 2.5 | Early Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Not on topographical survey, plotted freehand. On neighbouring property. | 185.2 | 7.7 | 20-40 | C | 2 |
| G507 | 15<br>15<br>10<br>6 | *Sambucus nigra* Elder<br>*Acer pseudoplatanus* Sycamore<br>*Buddleja sp.* Buddleja<br>*Crataegus monogyna* Common Hawthorn/Quick/May | 10.0 | 1 | 25 | N 4.0 E 4.0 S 4.0 W 4.0 | 1.5 | 1.0 | Early Mature | Fair | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Dimensions reflect sycamore in group. | 28.3 | 3.0 | 10-20 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G508 | 20<br>15<br>15<br>10<br>5<br>5 | *Buddleja sp.* Buddleja<br>*Fagus sylvatica* Common Beech<br>*Corylus avellana* Common Hazel<br>*Sorbus intermedia* Swedish Whitebeam<br>*Sambucus nigra* Elder<br>*Fraxinus excelsior* Ash | 5.0 | 1 | 12 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.0 | 1.0 | Semi Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Natural regeneration. Young planted tree / trees. | 6.5 | 1.4 | 20-40 | C | 2 |
| G509 | 50<br>4 | *Buddleja sp.* Buddleja<br>*Salix sp.* Willow sp. | 4.0 | 1 | 10 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Semi Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Predominently buddleia with occasional willow.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 4.5 | 1.2 | 20-40 | C | 2 |
| G510 | 50<br>6<br>4 | *Buddleja sp.* Buddleja<br>*Salix sp.* Willow sp.<br>*Acer pseudoplatanus* Sycamore | 4.0 | 1 | 10 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Semi Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Predominently buddleia with occasional willow and sycamore.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 4.5 | 1.2 | 20-40 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T511 | 1 | *Acer pseudoplatanus* Sycamore | 13.0 | 2 | 41 | N 6.0 E 6.0 S 6.0 W 6.0 | 3.0 | 3.0 | Early Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Not on topographical survey, plotted freehand. In neighbouring property. | 76.2 | 4.9 | 20-40 | C | 2 |
| T512 | 1 | *Acer pseudoplatanus* Sycamore | 10.0 | 12 | 45 | N 5.0 E 5.5 S 5.0 W 5.0 | 2.5 | 0.5 | Early Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. | 91.7 | 5.4 | 20-40 | C | 2 |
| T513 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.5 | 12 | 24 | N 2.5 E 3.0 S 2.0 W 2.5 | 2.5 | 1.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 26.6 | 2.9 | 10-20 | C | 2 |
| T514 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.5 | 2 | 9 | N 1.0 E 1.0 S 1.5 W 1.5 | 2.5 | 1.5 | Early Mature | Poor | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T515 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 5.0 | 5 | 20 | N 2.0 E 4.0 S 4.0 W 2.5 | 1.0 | 1.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 18.5 | 2.4 | 10-20 | C | 2 |
| G516 | 7 | *Acer pseudoplatanus* Sycamore | 11.0 | 2 | 25 | N 5.0 E 3.0 S 5.0 W 5.0 | 3.5 | 2.0 | Early Mature | Good | Access to inspect base - Restricted / obscured. | 29.7 | 3.1 | 20-40 | C | 2 |
| G517 | 11<br>9<br>3 | *Buddleja sp.* Buddleja<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Sambucus nigra* Elder | 3.0 | 4 | 16 | N 1.5 E 1.5 S 1.5 W 1.5 | 1.5 | 1.0 | Early Mature | Fair | Plotted freehand, not on topographical survey. | 11.9 | 1.9 | 10-20 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T518 | 1 | *Salix caprea*<br>Goat Willow/Great Sallow | 4.5 | 2 | 29 | N E S W<br>5.0 4.5 5.0 3.0 | 0.5 | 0.5 | Early Mature | Fair | Access to inspect base - Restricted / obscured.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G519 | 3<br>1 | *Buddleja sp.*<br>Buddleja<br>*Sambucus nigra*<br>Elder | 3.0 | 10 | 18 | N E S W<br>2.5 0.5 2.5 2.5 | 2.5 | 1.5 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 16.3 | 2.3 | 10-20 | C | 2 |
| T520 | 1 | *Acer pseudoplatanus*<br>Sycamore | 6.5 | 4 | 21 | N E S W<br>3.0 3.5 3.0 4.0 | 3.5 | 1.5 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 20.0 | 2.5 | 10-20 | C | 2 |
| G521 | 2 | *Acer pseudoplatanus*<br>Sycamore | 9.0 | 2 | 26 | N E S W<br>3.0 3.0 3.0 3.0 | 1.0 | 1.5 | Early Mature | Fair | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 32.8 | 3.2 | 10-20 | C | 2 |
| G522 | 12<br>3<br>1 | *Buddleja sp.*<br>Buddleja<br>*Sambucus nigra*<br>Elder<br>*Acer pseudoplatanus*<br>Sycamore | 4.0 | 8 | 28 | N E S W<br>2.0 2.0 2.0 2.0 | 2.0 | 1.0 | Early Mature | Fair | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. | 36.2 | 3.4 | 10-20 | C | 2 |
| G523 | 2 | *Acer pseudoplatanus*<br>Sycamore | 9.0 | 6 | 44 | N E S W<br>4.5 4.5 4.5 4.5 | 3.0 | 1.0 | Early Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 87.9 | 5.3 | 20-40 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G524 | 12 | *Acer pseudoplatanus* Sycamore | 2.0 | 1 | 20 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Early Mature | Good | Plotted freehand, not on topographical survey. Regrowth from stumps. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G525 | 100<br>60<br>30<br>25<br>5<br>5 | *Acer pseudoplatanus* Sycamore<br>*Buddleja sp.* Buddleja<br>*Sambucus nigra* Elder<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Fraxinus excelsior* Ash<br>*Acer campestre* Field Maple | 12.0 | 3 | 26 | N 3.0 E 3.0 S 3.0 W 3.0 | 4.0 | 2.0 | Early Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Natural regeneration. Plotted freehand, not on topographical survey. Not accessible. Dimensions reflect sycamore in group. CAVAT Amenity Factor - 50% applied to reflect that approximately 50% of group are smaller and shorter-lived trees than the sycamore that the measurements are taken from. | 32.8 | 3.2 | 20-40 | C | 2 |
| G526 | 2 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.0 | 4 | 12 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 1.0 | Early Mature | Poor | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 6.9 | 1.5 | 10-20 | C | 2 |
| T527 | 1 | *Pinus sylvestris* Scots Pine | 3.0 | 1 | 7 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 1.0 | Young | Good | Young planted tree / trees. Not on topographical survey, plotted freehand. | 2.2 | 0.8 | 20-40 | C | 2 |

# Luton Airport
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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G528 | 8<br>7<br>6 | *Tilia sp.* Lime sp.<br>*Pinus sylvestris* Scots Pine<br>*Corylus avellana* Common Hazel | 4.0 | 1 | 8 | N E S W<br>2.0 2.0 2.0 2.0 | 1.0 | 1.0 | Young | Good | Young planted tree / trees. | 2.9 | 1.0 | 20-40 | C | 2 |
| G529 | 4<br>4 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Acer pseudoplatanus* Sycamore | 6.0 | 1 | 25 | N E S W<br>3.0 3.5 3.0 3.5 | 2.5 | 1.0 | Early Mature | Fair | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Dimensions reflect sycamore in group. | 28.3 | 3.0 | 10-20 | C | 2 |
| G530 | 35<br>20<br>5 | *Acer pseudoplatanus* Sycamore<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Salix sp.* Willow sp. | 10.0 | 1 | 35 | N E S W<br>4.0 4.0 4.0 4.0 | 4.0 | 2.0 | Early Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Natural regeneration. CAVAT Amenity Factor -40% applied to reflect that approximately 30% of group are trees.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 55.4 | 4.2 | 20-40 | C | 2 |
| T531 | 1 | *Acer pseudoplatanus* Sycamore | 15.0 | 8 | 50 | NW NE SE SW<br>4.0 5.0 6.0 4.5 | 3.0 | 1.5 | Early Mature | Fair | | 117.3 | 6.1 | 10-20 | C | 2 |
| T532 | 1 | *Acer pseudoplatanus* Sycamore | 6.0 | 3 | 14 | N E S W<br>1.5 1.5 3.0 2.5 | 2.5 | 1.5 | Semi Mature | Fair | Not on topographical survey, plotted freehand. | 9.9 | 1.8 | 10-20 | C | 2 |
| T533 | 1 | *Acer pseudoplatanus* Sycamore | 10.0 | 6 | 31 | NW NE SE SW<br>5.0 0.5 4.0 5.5 | 4.0 | 0.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 45.9 | 3.8 | 10-20 | C | 2 |



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# Luton Airport
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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T534 | 1 | *Salix caprea* Goat Willow/Great Sallow | 5.0 | 7 | 26 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Early Mature | Good | | 31.7 | 3.2 | 20-40 | C | 2 |
| G535 | 7 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.5 | 2 | 11 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Semi Mature | Good | | 5.9 | 1.4 | 20-40 | C | 2 |
| T536 | 1 | *Quercus robur* English Oak | 3.5 | 1 | 12 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 1.0 | Semi Mature | Good | | 6.5 | 1.4 | 40+ | C | 2 |
| T537 | 1 | *Fraxinus excelsior* Ash | 9.0 | 1 | 22 | NW 2.5 NE 3.5 SE 2.5 SW 3.0 | 2.5 | 2.0 | Early Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. Not on topographical survey, plotted freehand. | 21.9 | 2.6 | 10-20 | C | 2 |
| T538 | 1 | *Fraxinus excelsior* Ash | 9.0 | 1 | 14 | NW 2.0 NE 2.5 SE 1.5 SW 2.0 | 3.5 | 3.0 | Early Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. Not on topographical survey, plotted freehand. | 8.9 | 1.7 | 10-20 | C | 2 |
| T539 | 1 | *Salix caprea* Goat Willow/Great Sallow | 7.0 | 4 | 47 | NW 4.0 NE 5.5 SE 3.0 SW 5.0 | 0.5 | 2.0 | Early Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. Not on topographical survey, plotted freehand. | 103.9 | 5.8 | 20-40 | C | 2 |
| T540 | 1 | *Fraxinus excelsior* Ash | 10.0 | 4 | 25 | NW 2.0 NE 4.0 SE 2.5 SW 1.0 | 2.5 | 2.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. | 28.3 | 3.0 | 10-20 | C | 2 |
| T541 | 1 | *Fraxinus excelsior* Ash | 11.0 | 1 | 27 | NW 3.5 NE 4.0 SE 3.5 SW 3.5 | 0.5 | 0.5 | Early Mature | Fair | | 33.0 | 3.2 | 20-40 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G542 | 25<br>16<br>6 | *Ulmus sp.*<br>Elm sp.<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Fraxinus excelsior*<br>Ash | 6.0 | 1 | 12 | NW NE SE SW<br>2.0 2.0 2.0 2.0 | 1.0 | 1.0 | Semi Mature | Fair | | 6.5 | 1.4 | 10-20 | C | 2 |
| T543 | 1 | *Quercus robur*<br>English Oak | 7.0 | 3 | 50 | NW NE SE SW<br>6.0 5.5 4.0 5.0 | 0.5 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. Ivy or climbing plant. Not on topographical survey, plotted freehand. | 116.7 | 6.1 | 40+ | B | 2 |
| G544 | 2<br>2<br>1<br>1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Fraxinus excelsior*<br>Ash<br>*Malus sp.*<br>Apple sp.<br>*Quercus robur*<br>English Oak | 7.0 | 2 | 22 | NW NE SE SW<br>2.5 2.5 2.5 2.5 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. | 23.5 | 2.7 | 10-20 | C | 2 |
| T545 | 1 | *Fraxinus excelsior*<br>Ash | 7.5 | 1 | 24 | NW NE SE SW<br>2.5 2.5 2.5 2.5 | 1.5 | 1.5 | Early Mature | Fair | | 26.1 | 2.9 | 10-20 | C | 2 |
| T546 | 1 | *Fraxinus excelsior*<br>Ash | 6.5 | 1 | 19 | NW NE SE SW<br>2.5 2.5 3.5 2.5 | 2.0 | 1.0 | Early Mature | Poor | | 16.3 | 2.3 | 10-20 | C | 2 |
| T547 | 1 | *Fraxinus excelsior*<br>Ash | 7.0 | 1 | 13 | NW NE SE SW<br>0.5 1.5 1.5 1.0 | 2.5 | 2.0 | Semi Mature | Poor | Not on topographical survey, plotted freehand. | 7.6 | 1.6 | 10-20 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G548 | 13<br><br>3<br><br>2 | *Ulmus sp.*<br>Elm sp.<br><br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br><br>*Fraxinus excelsior*<br>Ash | 8.0 | 1 | 20 | NW NE SE SW<br>2.5 2.5 2.5 2.5 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. | 18.1 | 2.4 | 10-20 | C | 2 |
| T549 | 1 | *Acer campestre*<br>Field Maple | 8.0 | 1 | 25 | NW NE SE SW<br>4.0 3.0 3.0 2.5 | 0.5 | 1.5 | Early Mature | Good | Base / stems obscured - Vegetation. Ivy or climbing plant. | 28.3 | 3.0 | 20-40 | B | 2 |
| T550 | 1 | *Fraxinus excelsior*<br>Ash | 9.0 | 1 | 25 | NW NE SE SW<br>4.0 2.5 3.5 4.5 | 3.0 | 1.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. | 28.3 | 3.0 | 10-20 | C | 2 |
| T551 | 1 | *Fraxinus excelsior*<br>Ash | 9.0 | 1 | 22 | NW NE SE SW<br>4.0 3.5 4.0 2.5 | 3.0 | 2.0 | Early Mature | Fair | | 21.9 | 2.6 | 10-20 | C | 2 |
| T552 | 1 | *Fraxinus excelsior*<br>Ash | 9.0 | 3 | 23 | N E S W<br>3.5 2.5 2.5 1.5 | 2.5 | 1.5 | Early Mature | Poor | | 24.3 | 2.8 | 10-20 | C | 2<br>3 |
| T553 | 1 | *Fraxinus excelsior*<br>Ash | 8.0 | 4 | 19 | N E S W<br>2.5 2.5 1.5 0.5 | 1.5 | 1.0 | Early Mature | Poor | | 17.4 | 2.4 | 10-20 | C | 2 |
| G554 | 6<br><br>1 | *Ulmus sp.*<br>Elm sp.<br><br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May | 5.0 | 1 | 10 | N E S W<br>2.0 2.0 2.0 2.0 | 0.5 | 0.5 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G555 | 6 | *Ulmus sp.*<br>Elm sp. | 4.0 | 1 | 6 | N E S W<br>1.5 1.5 1.5 1.5 | 0.5 | 0.5 | Semi Mature | Fair | Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T556 | 1 | *Ilex aquifolium*<br>Holly | 3.5 | 1 | 10 | N E S W<br>1.0 1.0 1.0 1.0 | 2.0 | 2.0 | Semi Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. | 4.5 | 1.2 | 20-40 | C | 2 |
| T557 | 1 | *Ilex aquifolium*<br>Holly | 5.5 | 1 | 25 | N E S W<br>2.5 3.0 3.0 2.5 | 2.0 | 1.5 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. | 28.3 | 3.0 | 10-20 | C | 2 |
| G558 | 5 | *Ilex aquifolium*<br>Holly | 6.0 | 1 | 20 | N E S W<br>2.5 2.5 2.5 2.5 | 0.5 | 1.0 | Early Mature | Poor | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T559 | 1 | *Quercus robur*<br>English Oak | 16.0 | 1 | 153 | N E S W<br>10.0 9.0 13.0 10.0 | 1.0 | 2.5 | Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. | 706.9 | 15.0 | 20-40 | B | 2<br>3 |
| G560 | 3<br>2 | *Ilex aquifolium*<br>Holly<br>*Ulmus sp.*<br>Elm sp. | 5.0 | 1 | 16 | N E S W<br>1.5 1.5 1.5 1.5 | 20.0 | 0.5 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T561 | 1 | *Quercus robur*<br>English Oak | 4.0 | 1 | 13 | N E S W<br>1.5 1.5 1.5 2.5 | 1.0 | 1.5 | Semi Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. | 7.6 | 1.6 | 10-20 | C | 2 |
| G562 | 5 | *Quercus robur*<br>English Oak | 4.0 | 1 | 8 | N E S W<br>1.0 1.0 1.0 1.0 | 1.0 | 1.0 | Semi Mature | Good | Base / stems obscured - Vegetation. | 2.9 | 1.0 | 20-40 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G563 | 2 | *Quercus robur*<br>English Oak | 4.0 | 1 | 11 | N E S W<br>1.0 1.0 1.0 1.0 | 0.5 | 0.5 | Semi Mature | Good | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 5.5 | 1.3 | 20-40 | C | 2 |
| T564 | 1 | *Ilex aquifolium*<br>Holly | 4.0 | 5 | 25 | N E S W<br>2.0 3.0 2.0 3.0 | 1.0 | 1.0 | Early Mature | Fair | | 28.4 | 3.0 | 10-20 | C | 2 |
| T565 | 1 | *Quercus robur*<br>English Oak | 11.0 | 1 | 100 | NW NE SE SW<br>8.0 8.0 8.0 8.0 | 0.5 | 2.0 | Early Mature | Fair | | 452.4 | 12.0 | 20-40 | B | 2 |
| T566 | 1 | *Quercus robur*<br>English Oak | 9.0 | 1 | 69 | N E S W<br>4.5 4.5 4.0 4.0 | 1.0 | 2.0 | Early Mature | Fair | | 215.4 | 8.3 | 10-20 | C | 2 |
| G567 | 3 | *Quercus robur*<br>English Oak | 4.0 | 2 | 11 | N E S W<br>1.5 1.5 1.5 1.5 | 0.5 | 0.5 | Semi Mature | Good | | 6.2 | 1.4 | 20-40 | C | 2 |
| T568 | 1 | *Quercus robur*<br>English Oak | 4.0 | 1 | 11 | N E S W<br>1.5 1.5 1.5 2.0 | 1.5 | 1.5 | Semi Mature | Fair | Not on topographical survey, plotted freehand. | 5.5 | 1.3 | 10-20 | C | 2 |
| G569 | 12<br>4<br>4<br>1 | *Quercus robur*<br>English Oak<br>*Acer campestre*<br>Field Maple<br>*Corylus avellana*<br>Common Hazel<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May | 4.0 | 1 | 8 | N E S W<br>1.0 1.0 1.0 1.0 | 0.5 | 0.5 | Young | Good | | 2.9 | 1.0 | 10-20 | C | 2 |
| T570 | 1 | *Quercus robur*<br>English Oak | 10.0 | 1 | 90 | N E S W<br>6.5 9.0 9.0 7.0 | 0.5 | 1.5 | Early Mature | Good | | 366.4 | 10.8 | 40+ | B | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G571 | 2 | *Quercus robur*<br>English Oak | 3.0 | 1 | 10 | N E S W<br>1.5 1.5 1.5 1.5 | 1.0 | 0.5 | Semi Mature | Fair | Plotted freehand, not on topographical survey. | 4.5 | 1.2 | 10-20 | C | 2 |
| G572 | 30<br>12<br>8<br>6 | *Acer campestre*<br>Field Maple<br>*Prunus spinosa*<br>Blackthorn/Sloe<br>*Quercus robur*<br>English Oak<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May | 4.0 | 1 | 10 | N E S W<br>1.5 1.5 1.5 1.5 | 0.5 | 1.5 | Early Mature | Fair | Dimensions reflect oak in group. Remainder is maintained hedge. | 4.5 | 1.2 | 10-20 | C | 2 |
| G573 | 1<br>1 | *Ilex aquifolium*<br>Holly<br>*Quercus robur*<br>English Oak | 6.0 | 1 | 30 | N E S W<br>4.0 5.0 3.0 3.0 | 0.5 | 0.5 | Early Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. | 40.7 | 3.6 | 20-40 | C | 2 |
| T574 | 1 | *Quercus robur*<br>English Oak | 11.0 | 1 | 98 | N E S W<br>5.5 7.0 6.5 6.0 | 1.0 | 2.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. | 434.5 | 11.8 | 20-40 | B | 2 |
| T575 | 1 | *Quercus robur*<br>English Oak | 3.0 | 2 | 10 | N E S W<br>1.5 1.5 1.5 1.5 | 0.5 | 0.5 | Semi Mature | Fair | | 4.8 | 1.2 | 10-20 | C | 2 |
| T576 | 1 | *Corylus avellana*<br>Common Hazel | 3.0 | 12 | 13 | NW NE SE SW<br>2.0 1.0 2.0 1.0 | 0.0 | 0.5 | Early Mature | Fair | | 8.7 | 1.7 | 10-20 | C | 2 |
| T577 | 1 | *Quercus robur*<br>English Oak | 16.0 | 1 | 106 | NW NE SE SW<br>6.5 5.0 9.0 9.0 | 2.0 | 3.0 | Early Mature | Fair | Fungal fruiting body - structural decay suspected. | 508.3 | 12.7 | 20-40 | B | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G578 | 2<br>1 | *Acer campestre*<br>Field Maple<br>*Ilex aquifolium*<br>Holly | 4.0 | 5 | 10 | N E S W<br>0.5 2.0 2.0 2.0 | 0.0 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T579 | 1 | *Ilex aquifolium*<br>Holly | 6.5 | 10 | 47 | N E S W<br>2.5 4.0 3.0 1.5 | 1.0 | 1.5 | Early Mature | Fair | | 101.8 | 5.7 | 10-20 | C | 2 |
| T580 | 1 | *Quercus robur*<br>English Oak | 4.0 | 3 | 19 | N E S W<br>2.5 2.0 2.0 2.0 | 0.5 | 1.5 | Semi Mature | Fair | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 17.6 | 2.4 | 10-20 | C | 2 |
| T581 | 1 | *Quercus robur*<br>English Oak | 6.0 | 1 | 15 | N E S W<br>2.5 3.0 2.0 2.5 | 2.0 | 1.5 | Early Mature | Good | Foreign object - Ingrown metal. Not on topographical survey, plotted freehand. | 10.2 | 1.8 | 20-40 | C | 2 |
| G582 | 5<br>1 | *Acer campestre*<br>Field Maple<br>*Ilex aquifolium*<br>Holly | 6.0 | 1 | 15 | N E S W<br>3.0 4.0 2.5 2.0 | 0.5 | 1.0 | Early Mature | Fair | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 10.2 | 1.8 | 10-20 | C | 2 |
| G583 | 5 | *Corylus avellana*<br>Common Hazel | 2.5 | 12 | 10 | N E S W<br>1.0 0.5 1.0 0.5 | 0.5 | 0.5 | Early Mature | Fair | | 4.9 | 1.2 | 10-20 | C | 2 |
| T584 | 1 | *Fraxinus excelsior*<br>Ash | 13.0 | 1 | 95 | N E S W<br>6.0 7.0 10.0 8.0 | 1.0 | 2.5 | Early Mature | Poor | Base / stems obscured - Vegetation. Ivy or climbing plant. | 408.3 | 11.4 | 10-20 | C | 2 |
| T585 | 1 | *Ulmus sp.*<br>Elm sp. | 5.0 | 1 | 15 | N E S W<br>2.0 1.5 2.0 2.0 | 2.5 | 2.0 | Semi Mature | Fair | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 10.2 | 1.8 | 10-20 | C | 2 |
| T586 | 1 | *Ilex aquifolium*<br>Holly | 6.5 | 2 | 33 | N E S W<br>3.5 3.5 3.5 3.5 | 4.0 | 1.5 | Early Mature | Good | Base / stems obscured - Vegetation. | 50.1 | 4.0 | 20-40 | B | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G587 | 1<br><br>1 | *Corylus avellana*<br>Common Hazel<br><br>*Ilex aquifolium*<br>Holly | 6.5 | 6 | 24 | N E S W<br>2.5 2.5 2.5 2.5 | 3.5 | 1.0 | Early Mature | Fair | Base / stems obscured - Vegetation. | 27.1 | 2.9 | 10-20 | C | 2 |
| G588 | 2 | *Quercus robur*<br>English Oak | 14.0 | 1 | 75 | N E S W<br>5.0 6.0 7.0 5.0 | 1.5 | 2.0 | Early Mature | Poor | Base / stems obscured - Vegetation. Ivy or climbing plant. | 254.5 | 9.0 | 10-20 | C | 2 |
| G589 | 80<br><br>60<br><br>20<br><br>12<br><br>3<br><br>3 | *Corylus avellana*<br>Common Hazel<br><br>*Acer campestre*<br>Field Maple<br><br>*Prunus spinosa*<br>Blackthorn/Sloe<br><br>*Cornus sp.*<br>Dogwood sp.<br><br>*Ilex aquifolium*<br>Holly<br><br>*Ulmus sp.*<br>Elm sp. | 1.5 | 8 | 8 | N E S W<br>0.5 0.5 0.5 0.5 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Hedgerow - Maintained. | 3.3 | 1.0 | 10-20 | C | 2 |



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# Luton Airport
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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G590 | 14<br>12<br>10<br>10<br>8<br>2<br>1<br>1 | *Prunus spinosa* Blackthorn/Sloe<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Ulmus sp.* Elm sp.<br>*Ilex aquifolium* Holly<br>*Sambucus nigra* Elder<br>*Fraxinus excelsior* Ash<br>*Acer campestre* Field Maple<br>*Corylus avellana* Common Hazel | 9.0 | 1 | 20 | N 3.0 E 3.0 S 3.0 W 3.0 | 1.0 | 1.0 | Early Mature | Fair | Base / stems obscured - Vegetation. | 18.1 | 2.4 | 10-20 | C | 2 |
| G591 | 3 | *Ilex aquifolium* Holly | 8.0 | 1 | 30 | NW 5.0 NE 3.5 SE 5.0 SW 5.0 | 0.0 | 0.5 | Early Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. | 40.7 | 3.6 | 20-40 | B | 2 |
| G592 | 1<br>1 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Fraxinus excelsior* Ash | 5.0 | 1 | 12 | N 1.5 E 1.5 S 1.5 W 1.5 | 1.0 | 0.5 | Semi Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 6.5 | 1.4 | 10-20 | C | 2 |

# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G593 | 17 | *Pinus sylvestris* Scots Pine | 7.5 | 1 | 35 | N 3.0 E 3.0 S 3.0 W 3.0 | 1.0 | 0.5 | Early Mature | Good | Plotted freehand, not on topographical survey. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 55.4 | 4.2 | 20-40 | B | 2 |
| G594 | 2 | *Quercus robur* English Oak | 8.0 | 1 | 37 | N 5.0 E 5.0 S 5.0 W 5.0 | 1.0 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 61.9 | 4.4 | 40+ | B | 2 |
| G595 | 7 | *Pinus sylvestris* Scots Pine | 12.0 | 1 | 33 | N 3.5 E 3.5 S 3.5 W 3.5 | 1.0 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 49.3 | 4.0 | 20-40 | B | 2 |
| T596 | 1 | *Quercus robur* English Oak | 10.0 | 1 | 35 | N 5.0 E 6.0 S 7.0 W 6.0 | 1.0 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 55.4 | 4.2 | 40+ | B | 2 |
| T597 | 1 | *Pinus sylvestris* Scots Pine | 12.0 | 1 | 39 | N 4.0 E 2.5 S 4.0 W 4.0 | 1.5 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 68.8 | 4.7 | 20-40 | B | 2 |
| G598 | 2 | *Quercus robur* English Oak | 12.0 | 1 | 35 | N 6.0 E 6.0 S 5.0 W 5.0 | 1.5 | 1.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 55.4 | 4.2 | 20-40 | B | 2 |
| G599 | 10 | *Pinus sylvestris* Scots Pine | 13.0 | 1 | 34 | N 4.0 E 4.0 S 4.0 W 4.0 | 1.0 | 1.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 52.3 | 4.1 | 20-40 | B | 2 |

# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G600 | 4<br>2<br>1<br>1 | *Pinus sylvestris* Scots Pine<br>*Cerasus avium* Wild Cherry<br>*Quercus robur* English Oak<br>*Alnus sp.* Alder sp. | 13.0 | 1 | 34 | N 4.0 E 4.0 S 4.0 W 4.0 | 1.5 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 52.3 | 4.1 | 20-40 | B | 2 |
| G601 | 2 | *Aesculus x carnea* Red Horse Chestnut | 7.0 | 1 | 21 | N 4.0 E 4.0 S 4.0 W 4.0 | 1.0 | 2.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 20.0 | 2.5 | 20-40 | B | 2 |
| T602 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 1 | 8 | N 2.0 E 3.0 S 2.0 W 2.0 | 0.5 | 0.5 | Semi Mature | Good | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 2.9 | 1.0 | 10-20 | C | 2 |
| T603 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 6.0 | 2 | 13 | N 3.5 E 3.5 S 3.5 W 3.5 | 1.0 | 0.5 | Semi Mature | Fair | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 7.7 | 1.6 | 10-20 | C | 2 |
| T604 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.5 | 1 | 13 | N 3.5 E 3.5 S 2.0 W 2.0 | 0.5 | 0.5 | Semi Mature | Fair | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 7.6 | 1.6 | 10-20 | C | 2 |

# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T605 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.5 | 6 | 9 | N 2.5 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Semi Mature | Poor | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T606 | 1 | *Aesculus hippocastanum* Horse Chestnut | 9.0 | 1 | 30 | N 2.5 E 4.0 S 4.0 W 4.0 | 2.5 | 2.0 | Early Mature | Poor | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 40.7 | 3.6 | 10-20 | C | 2 |
| T607 | 1 | *Quercus rubra* Red Oak | 10.0 | 1 | 27 | N 4.0 E 5.0 S 4.0 W 5.0 | 2.0 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 33.0 | 3.2 | 40+ | B | 2 |
| T608 | 1 | *Aesculus hippocastanum* Horse Chestnut | 8.0 | 1 | 27 | N 4.5 E 4.5 S 4.0 W 4.0 | 1.5 | 2.0 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 33.0 | 3.2 | 10-20 | C | 2 |
| G609 | 3 | *Pinus sylvestris* Scots Pine | 12.0 | 1 | 32 | N 3.0 E 3.0 S 3.0 W 3.0 | 0.5 | 1.5 | Early Mature | Good | | 46.3 | 3.8 | 20-40 | B | 2 |
| T610 | 1 | *Pinus sylvestris* Scots Pine | 12.0 | 1 | 44 | N 4.0 E 5.0 S 4.5 W 5.0 | 0.5 | 1.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 87.6 | 5.3 | 40+ | B | 2 |

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# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) N | E | S | W | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G611 | 42 | *Pinus sylvestris* Scots Pine | 12.0 | 1 | 30 | 4.0 | 4.0 | 4.0 | 4.0 | 1.5 | 1.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 40.7 | 3.6 | 20-40 | B | 2 |
| | 34 | *Quercus rubra* Red Oak | | | | | | | | | | | | | | | | | |
| | 28 | *Alnus sp.* Alder sp. | | | | | | | | | | | | | | | | | |
| | 24 | *Acer platanoides* Norway Maple | | | | | | | | | | | | | | | | | |
| | 23 | *Cerasus avium* Wild Cherry | | | | | | | | | | | | | | | | | |
| | 20 | *Betula pendula* Silver Birch | | | | | | | | | | | | | | | | | |
| | 16 | *Quercus robur* English Oak | | | | | | | | | | | | | | | | | |
| | 10 | *Crataegus monogyna* Common Hawthorn/Quick/May | | | | | | | | | | | | | | | | | |
| | 10 | *Fraxinus excelsior* Ash | | | | | | | | | | | | | | | | | |
| | 6 | *Pinus nigra* Black Pine | | | | | | | | | | | | | | | | | |
| | 3 | *Aesculus x carnea* Red Horse Chestnut | | | | | | | | | | | | | | | | | |
| | 3 | *Aesculus hippocastanum* Horse Chestnut | | | | | | | | | | | | | | | | | |



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# Luton Airport
# Tree Survey BS5837-2012

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G611 | 1<br><br>1 | *Larix sp.*<br>Larch sp.<br><br>*Ulmus glabra*<br>Wych Elm | | | | | | | | | | | | | | |
| T612 | 1 | *Alnus sp.*<br>Alder sp. | 4.5 | 1 | 20 | N E S W<br>3.5 3.0 3.5 2.0 | 1.0 | 1.0 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T613 | 1 | *Larix sp.*<br>Larch sp. | 10.0 | 1 | 34 | N E S W<br>3.0 5.0 3.0 0.5 | 3.5 | 4.0 | Early Mature | Poor | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 52.3 | 4.1 | 10-20 | C | 2 |



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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G614 | 30 | *Betula pendula* Silver Birch | 12.0 | 1 | 25 | N E S W 3.5 3.5 3.5 3.5 | 0.5 | 1.5 | Early Mature | Fair | | 28.3 | 3.0 | 10-20 | C | 2 |
| | 20 | *Cerasus avium* Wild Cherry | | | | | | | | | | | | | | |
| | 15 | *Pinus sylvestris* Scots Pine | | | | | | | | | | | | | | |
| | 12 | *Alnus sp.* Alder sp. | | | | | | | | | | | | | | |
| | 11 | *Cupressus sp.* Cypress sp. | | | | | | | | | | | | | | |
| | 6 | *Larix sp.* Larch sp. | | | | | | | | | | | | | | |
| | 6 | *Aesculus x carnea* Red Horse Chestnut | | | | | | | | | | | | | | |
| | 5 | *Fraxinus excelsior* Ash | | | | | | | | | | | | | | |
| | 3 | *Crataegus monogyna* Common Hawthorn/Quick/May | | | | | | | | | | | | | | |
| | 3 | *Acer campestre* Field Maple | | | | | | | | | | | | | | |
| | 2 | *Laurocerasus officinalis* Cherry Laurel | | | | | | | | | | | | | | |
| | 1 | *Laurocerasus lusitanica* Portugal Laurel | | | | | | | | | | | | | | |



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Treework Environmental Practice

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G615 | 55 | *Acer campestre* Field Maple | 12.0 | 1 | 30 | 3.5 | 3.5 | 3.5 | 3.5 | 1.0 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 40.7 | 3.6 | 20-40 | B | 2 |
| | 53 | *Cupressus sp.* Cypress sp. | | | | | | | | | | | | | | | | | |
| | 40 | *Cerasus avium* Wild Cherry | | | | | | | | | | | | | | | | | |
| | 30 | *Fraxinus excelsior* Ash | | | | | | | | | | | | | | | | | |
| | 25 | *Betula pendula* Silver Birch | | | | | | | | | | | | | | | | | |
| | 15 | *Aesculus hippocastanum* Horse Chestnut | | | | | | | | | | | | | | | | | |
| | 10 | *Prunus spinosa* Blackthorn/Sloe | | | | | | | | | | | | | | | | | |
| | 7 | *Crataegus monogyna* Common Hawthorn/Quick/May | | | | | | | | | | | | | | | | | |
| | 6 | *Aesculus x carnea* Red Horse Chestnut | | | | | | | | | | | | | | | | | |
| | 5 | *Pinus sylvestris* Scots Pine | | | | | | | | | | | | | | | | | |
| | 3 | *Prunus sp.* Cherry sp. | | | | | | | | | | | | | | | | | |
| | 2 | *Laurocerasus lusitanica* Portugal Laurel | | | | | | | | | | | | | | | | | |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G615 | 1 | *Salix sp.*<br>Willow sp. | | | | | | | | | | | | | | |
| T616 | 1 | *Cupressus sp.*<br>Cypress sp. | 13.0 | 4 | 67 | N E S W<br>5.0 5.0 4.0 5.0 | 0.5 | 0.5 | Early Mature | Good | | 203.1 | 8.0 | 10-20 | C | 2 |
| T617 | 1 | *Populus nigra 'Italica'*<br>Lomardy Poplar | 24.0 | 1 | 72 | N E S W<br>2.0 2.5 2.5 2.0 | 2.0 | 1.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 234.5 | 8.6 | 10-20 | C | 2 |
| T618 | 1 | *Pinus sylvestris*<br>Scots Pine | 13.0 | 1 | 46 | N E S W<br>2.0 4.0 5.0 5.0 | 0.5 | 2.0 | Early Mature | Good | | 95.7 | 5.5 | 20-40 | B | 2 |
| G619 | 2<br><br>1 | *Populus sp.*<br>Poplar sp.<br><br>*Salix caprea*<br>Goat Willow/Great Sallow | 12.0 | 1 | 25 | N E S W<br>4.0 6.0 5.0 4.0 | 1.0 | 2.0 | Early Mature | Poor | Plotted freehand, not on topographical survey.<br><br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G620 | 5 | *Pinus sylvestris*<br>Scots Pine | 12.0 | 1 | 35 | N E S W<br>4.0 4.0 4.0 4.0 | 4.0 | 4.0 | Early Mature | Good | Plotted freehand, not on topographical survey. | 55.4 | 4.2 | 20-40 | B | 2 |
| G621 | 4<br><br>3 | *Acer campestre*<br>Field Maple<br><br>*Pinus sylvestris*<br>Scots Pine | 12.0 | 1 | 30 | N E S W<br>4.0 4.0 4.0 4.0 | 0.5 | 0.5 | Early Mature | Good | Plotted freehand, not on topographical survey. | 40.7 | 3.6 | 20-40 | B | 2 |
| T622 | 1 | *Acer campestre*<br>Field Maple | 10.0 | 7 | 47 | N E S W<br>4.0 5.0 4.5 5.0 | 1.5 | 1.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 102.6 | 5.7 | 20-40 | B | 2 |
| G623 | 5 | *Pinus sylvestris*<br>Scots Pine | 12.0 | 1 | 30 | N E S W<br>3.0 3.0 3.0 3.0 | 3.0 | 3.5 | Early Mature | Good | | 40.7 | 3.6 | 20-40 | B | 2 |



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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T624 | 1 | *Pinus sylvestris*<br>Scots Pine | 12.0 | 1 | 32 | N 3.5 E 2.5 S 2.0 W 2.0 | 5.0 | 5.0 | Early Mature | Fair | Fork - Cracked. Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G625 | 35<br>12<br>10<br>7<br>5<br>3<br>3<br>2 | *Fraxinus excelsior*<br>Ash<br>*Acer campestre*<br>Field Maple<br>*Betula pendula*<br>Silver Birch<br>*Larix sp.*<br>Larch sp.<br>*Populus sp.*<br>Poplar sp.<br>*Cerasus avium*<br>Wild Cherry<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Sorbus aucuparia*<br>Rowan/Mountain Ash | 12.0 | 1 | 20 | N 3.0 E 3.0 S 3.0 W 3.0 | 1.0 | 1.5 | Early Mature | Fair | | 18.1 | 2.4 | 10-20 | C | 2 |
| T626 | 1 | *Fraxinus excelsior*<br>Ash | 11.0 | 1 | 24 | N 4.0 E 4.5 S 2.5 W 4.5 | 1.5 | 2.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 26.1 | 2.9 | 20-40 | B | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G627 | 37<br>25<br>25<br>15<br>4<br>3<br>2<br>1 | *Pinus sylvestris* Scots Pine<br>*Acer campestre* Field Maple<br>*Fraxinus excelsior* Ash<br>*Larix sp.* Larch sp.<br>*Betula pendula* Silver Birch<br>*Corylus avellana* Common Hazel<br>*Cerasus avium* Wild Cherry<br>*Salix caprea* Goat Willow/Great Sallow | 12.0 | 1 | 25 | N 3.5 E 3.5 S 3.5 W 3.5 | 1.0 | 1.0 | Early Mature | Fair | | 28.3 | 3.0 | 20-40 | B | 2 |
| T628 | 1 | *Populus nigra 'Italica'* Lomardy Poplar | 24.0 | 2 | 87 | N 3.0 E 4.0 S 3.0 W 3.0 | 3.5 | 0.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 348.9 | 10.5 | 10-20 | C | 2 |
| G629 | 5 | *Populus nigra 'Italica'* Lomardy Poplar | 20.0 | 1 | 65 | N 3.0 E 3.0 S 3.0 W 3.0 | 4.0 | 0.5 | Early Mature | Good | Plotted freehand, not on topographical survey. | 191.1 | 7.8 | 10-20 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G630 | 80 | *Prunus spinosa* Blackthorn/Sloe | 10.0 | 1 | 18 | N E S W<br>2.5 2.5 2.5 2.5 | 0.5 | 1.0 | Early Mature | Fair | | 14.7 | 2.2 | 10-20 | C | 2 |
| | 30 | *Fraxinus excelsior* Ash | | | | | | | | | | | | | | |
| | 10 | *Acer campestre* Field Maple | | | | | | | | | | | | | | |
| | 10 | *Crataegus monogyna* Common Hawthorn/Quick/May | | | | | | | | | | | | | | |
| | 9 | *Pinus sylvestris* Scots Pine | | | | | | | | | | | | | | |
| | 5 | *Cerasus avium* Wild Cherry | | | | | | | | | | | | | | |
| | 3 | *Betula pendula* Silver Birch | | | | | | | | | | | | | | |
| | 3 | *Corylus avellana* Common Hazel | | | | | | | | | | | | | | |
| | 1 | *Sorbus aucuparia* Rowan/Mountain Ash | | | | | | | | | | | | | | |
| | 1 | *Larix sp.* Larch sp. | | | | | | | | | | | | | | |
| T631 | 1 | *Pinus sylvestris* Scots Pine | 9.0 | 1 | 28 | N E S W<br>4.0 2.5 2.0 3.0 | 2.0 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 35.5 | 3.4 | 20-40 | B | 2 |
| T632 | 1 | *Fraxinus excelsior* Ash | 10.0 | 1 | 38 | N E S W<br>4.0 4.0 4.0 4.0 | 4.0 | 3.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 65.3 | 4.6 | 20-40 | B | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T633 | 1 | *Fraxinus excelsior* Ash | 12.0 | 1 | 23 | N 3.0 E 3.0 S 3.0 W 3.0 | 2.0 | 3.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 23.9 | 2.8 | 20-40 | B | 2 |
| G634 | 2<br>2<br>2<br>1 | *Acer platanoides* Norway Maple<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Fraxinus excelsior* Ash<br>*Acer campestre* Field Maple | 6.5 | 1 | 13 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Semi Mature | Good | Plotted freehand, not on topographical survey. | 7.6 | 1.6 | 20-40 | C | 2 |
| T635 | 1 | *Betula pendula* Silver Birch | 6.0 | 1 | 12 | N 1.5 E 1.5 S 1.5 W 2.0 | 2.0 | 2.0 | Semi Mature | Fair | | 6.5 | 1.4 | 10-20 | C | 2 |
| T636 | 1 | *Sorbus aria* Whitebeam | 4.0 | 1 | 15 | N 2.0 E 2.0 S 1.5 W 1.5 | 2.0 | 2.0 | Semi Mature | Poor | | 10.2 | 1.8 | 10-20 | C | 2 |
| T637 | 1 | *Pinus sylvestris* Scots Pine | 12.0 | 1 | 45 | N 4.0 E 4.0 S 4.0 W 4.0 | 1.5 | 2.5 | Early Mature | Good | Base / stems obscured - Structure. Base / stems obscured - Vegetation. Fencing beginning to impact upon stem. | 91.6 | 5.4 | 40+ | B | 1<br>2 |
| T638 | 1 | *Fraxinus excelsior* Ash | 7.0 | 2 | 27 | N 4.0 E 4.0 S 4.0 W 4.0 | 2.0 | 3.0 | Early Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. | 34.6 | 3.3 | 20-40 | B | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G639 | 1<br>1<br>1<br>1 | *Cerasus avium* Wild Cherry<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Prunus spinosa* Blackthorn/Sloe<br>*Quercus robur* English Oak | 5.0 | 2 | 24 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.5 | 1.0 | Early Mature | Good | Base / stems obscured - Vegetation. Ivy or climbing plant. | 26.2 | 2.9 | 10-20 | C | 2 |
| T640 | 1 | *Salix caprea* Goat Willow/Great Sallow | 4.5 | 4 | 80 | N 3.0 E 3.0 S 2.5 W 3.0 | 0.5 | 0.5 | Early Mature | Good | Epicormic growth - Base / bole / principal stems. Stump / stumps.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T641 | 1 | *Fraxinus excelsior 'Pendula'* Weeping Ash | 11.0 | 1 | 59 | N 6.0 E 4.0 S 6.0 W 5.0 | 0.5 | 3.5 | Early Mature | Fair | Fungal fruiting body - structural decay suspected. | 157.5 | 7.1 | 10-20 | C | 2 |
| T642 | 1 | *Salix caprea* Goat Willow/Great Sallow | 6.5 | 4 | 38 | N 5.0 E 5.0 S 2.5 W 4.0 | 2.0 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 66.5 | 4.6 | 10-20 | C | 2 |
| T643 | 1 | *Salix caprea* Goat Willow/Great Sallow | 7.5 | 4 | 54 | N 7.0 E 5.0 S 6.5 W 5.5 | 1.5 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 136.4 | 6.6 | 10-20 | C | 2 |
| T644 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 2 | 15 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.5 | 0.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 11.0 | 1.9 | 20-40 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T645 | 1 | *Quercus robur*<br>English Oak | 4.0 | 1 | 13 | N E S W<br>3.0 0.5 0.5 4.0 | 2.0 | 2.5 | Semi Mature | Fair | Not on topographical survey, plotted freehand. | 7.6 | 1.6 | 20-40 | C | 2 |
| T646 | 1 | *Fraxinus excelsior*<br>Ash | 7.0 | 1 | 23 | N E S W<br>3.0 2.0 3.0 4.0 | 1.5 | 2.0 | Early Mature | Fair | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 23.9 | 2.8 | 20-40 | B | 2 |
| T647 | 1 | *Prunus spinosa*<br>Blackthorn/Sloe | 4.0 | 7 | 13 | N E S W<br>3.0 3.0 3.0 3.0 | 1.0 | 1.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 7.9 | 1.6 | 10-20 | C | 2 |
| T648 | 1 | *Quercus robur*<br>English Oak | 5.0 | 1 | 25 | N E S W<br>4.0 4.0 4.0 2.0 | 2.0 | 2.5 | Early Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 28.3 | 3.0 | 20-40 | C | 2 |
| T649 | 1 | *Pyrus sp.*<br>Pear sp. | 10.0 | 2 | 54 | N E S W<br>5.0 7.0 4.5 3.0 | 2.0 | 2.0 | Mature | Fair | Not on topographical survey, plotted freehand. | 133.8 | 6.5 | 10-20 | C | 2 |
| T650 | 1 | *Pinus sylvestris*<br>Scots Pine | 7.0 | 1 | 47 | N E S W<br>4.5 3.0 6.0 5.0 | 2.0 | 4.0 | Early Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 99.9 | 5.6 | 20-40 | C | 2 |
| T651 | 1 | *Malus sp.*<br>Apple sp. | 4.0 | 4 | 42 | N E S W<br>0.5 1.0 6.0 6.0 | 1.5 | 1.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 79.9 | 5.0 | 10-20 | C | 2 |
| T652 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 4.5 | 1 | 15 | N E S W<br>2.0 3.0 3.0 2.0 | 1.5 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 10.2 | 1.8 | 20-40 | C | 2 |
| T653 | 1 | *Betula pendula*<br>Silver Birch | 5.0 | 1 | 7 | N E S W<br>2.0 2.0 2.0 2.0 | 1.5 | 2.0 | Semi Mature | Fair | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 2.2 | 0.8 | 10-20 | C | 2 |
| T654 | 1 | *Pinus sylvestris*<br>Scots Pine | 5.0 | 1 | 36 | N E S W<br>2.0 4.0 4.0 2.0 | 2.5 | 2.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 58.6 | 4.3 | 20-40 | B | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T655 | 1 | *Juglans sp.*<br>Walnut sp. | 6.5 | 1 | 38 | N 8.0 E 5.0 S 6.0 W 8.0 | 3.0 | 2.0 | Early Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. | 65.3 | 4.6 | 10-20 | C | 2 |
| T656 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 4.0 | 1 | 15 | N 2.0 E 2.0 S 2.0 W 1.5 | 2.0 | 2.0 | Semi Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 10.2 | 1.8 | 10-20 | C | 2 |
| T657 | 1 | *Cerasus avium*<br>Wild Cherry | 5.0 | 2 | 12 | N 2.0 E 2.0 S 2.0 W 2.0 | 2.0 | 1.5 | Semi Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. | 6.7 | 1.5 | 20-40 | C | 2 |
| T658 | 1 | *Sorbus aria*<br>Whitebeam | 5.0 | 1 | 23 | N 3.0 E 4.0 S 3.0 W 3.0 | 2.0 | 1.5 | Early Mature | Good | | 23.9 | 2.8 | 20-40 | B | 2 |
| G659 | 15<br>12<br>5<br>1 | *Cerasus avium*<br>Wild Cherry<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Sorbus aria*<br>Whitebeam<br>*Fraxinus excelsior*<br>Ash | 7.0 | 1 | 24 | N 3.0 E 3.0 S 3.0 W 3.0 | 1.5 | 1.0 | Early Mature | Fair | | 26.1 | 2.9 | 10-20 | C | 2 |
| G660 | 35<br>4<br>3 | *Pinus sylvestris*<br>Scots Pine<br>*Cerasus avium*<br>Wild Cherry<br>*Prunus spinosa*<br>Blackthorn/Sloe | 8.0 | 1 | 25 | N 3.0 E 3.0 S 4.0 W 3.0 | 0.5 | 0.5 | Early Mature | Good | | 28.3 | 3.0 | 20-40 | B | 2 |



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# Luton Airport
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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T661 | 1 | *Cerasus avium*<br>Wild Cherry | 6.5 | 1 | 28 | N E S W<br>4.0 4.0 3.5 3.0 | 1.5 | 2.0 | Early Mature | Good | | 35.5 | 3.4 | 20-40 | B | 2 |
| G662 | 18<br>8<br>7<br>2<br>2<br>1 | *unrecognized*<br>Unrecognised<br>*Cerasus avium*<br>Wild Cherry<br>*Viburnum opulus*<br>Guelder Rose<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Prunus sp.*<br>Cherry sp.<br>*Fraxinus excelsior*<br>Ash | 7.0 | 1 | 20 | N E S W<br>3.0 3.0 3.0 3.0 | 1.5 | 1.0 | Early Mature | Fair | Base / stems obscured - Vegetation. | 18.1 | 2.4 | 10-20 | C | 2 |
| G663 | 28<br>5<br>3 | *Pinus sylvestris*<br>Scots Pine<br>*Cerasus avium*<br>Wild Cherry<br>*Betula pendula*<br>Silver Birch | 10.0 | 1 | 28 | N E S W<br>3.0 3.0 4.0 3.0 | 1.0 | 1.0 | Early Mature | Good | | 35.5 | 3.4 | 20-40 | B | 2 |
| T664 | 1 | *Salix caprea*<br>Goat Willow/Great Sallow | 9.0 | 10 | 63 | N E S W<br>7.0 7.0 6.0 6.0 | 0.5 | 1.5 | Early Mature | Good | | 181.0 | 7.6 | 10-20 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G665 | 11<br>10<br>8<br>5<br>4<br>2 | *Sorbus aria* Whitebeam<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Cerasus avium* Wild Cherry<br>*Crataegus sp.* Hawthorn sp.<br>*Fraxinus excelsior* Ash<br>*Salix caprea* Goat Willow/Great Sallow | 7.0 | 1 | 22 | N 3.0 E 3.0 S 3.0 W 3.0 | 1.5 | 1.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 21.9 | 2.6 | 10-20 | C | 2 |
| G666 | 2 | *Fraxinus excelsior* Ash | 6.0 | 1 | 25 | N 4.0 E 4.0 S 4.0 W 4.0 | 2.0 | 2.0 | Early Mature | Good | Base / stems obscured - Vegetation. | 28.3 | 3.0 | 20-40 | B | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G667 | 30<br>30<br>30<br>8<br>2<br>2 | *Acer campestre*<br>Field Maple<br>*Cerasus avium*<br>Wild Cherry<br>*Fraxinus excelsior*<br>Ash<br>*Sorbus aucuparia*<br>Rowan/Mountain Ash<br>*Aesculus x carnea*<br>Red Horse Chestnut<br>*Fagus sylvatica*<br>Common Beech | 11.0 | 1 | 20 | N 3.0 E 3.0 S 3.0 W 3.0 | 1.0 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.1 | 2.4 | 20-40 | B | 2 |
| G668 | 2<br>1<br>1 | *Aesculus x carnea*<br>Red Horse Chestnut<br>*Fagus sylvatica*<br>Common Beech<br>*Sorbus aria*<br>Whitebeam | 5.0 | 1 | 14 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.5 | 2.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 8.9 | 1.7 | 10-20 | C | 2 |
| T669 | 1 | *Fagus sylvatica*<br>Common Beech | 9.0 | 1 | 21 | N 3.0 E 3.0 S 3.0 W 4.0 | 1.5 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 20.0 | 2.5 | 20-40 | B | 2 |
| T670 | 1 | *Aesculus hippocastanum*<br>Horse Chestnut | 7.0 | 1 | 22 | N 2.5 E 2.5 S 2.5 W 2.5 | 2.0 | 2.0 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 21.9 | 2.6 | 10-20 | C | 2 |
| T671 | 1 | *Aesculus x carnea*<br>Red Horse Chestnut | 4.0 | 1 | 18 | N 3.0 E 3.5 S 3.0 W 3.0 | 1.5 | 2.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 14.7 | 2.2 | 10-20 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G672 | 2 | *Aesculus x carnea*<br>Red Horse Chestnut | 3.0 | 1 | 8 | N E S W<br>1.0 1.0 1.0 1.0 | 2.0 | 1.5 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 2.9 | 1.0 | 10-20 | C | 2 |
| G673 | 3 | *Aesculus x carnea*<br>Red Horse Chestnut | 4.0 | 1 | 12 | N E S W<br>2.0 2.0 2.0 2.0 | 2.0 | 2.0 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 6.5 | 1.4 | 10-20 | C | 2 |
| G674 | 9 | *Aesculus hippocastanum*<br>Horse Chestnut | 9.0 | 1 | 26 | N E S W<br>2.5 2.5 2.5 2.5 | 1.5 | 1.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 30.6 | 3.1 | 20-40 | B | 2 |
| G675 | 3<br><br>1 | *Aesculus x carnea*<br>Red Horse Chestnut<br><br>*Sorbus aucuparia*<br>Rowan/Mountain Ash | 5.0 | 1 | 15 | N E S W<br>2.5 2.5 2.5 2.5 | 2.0 | 2.0 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 10.2 | 1.8 | 10-20 | C | 2 |
| T676 | 1 | *Aesculus x carnea*<br>Red Horse Chestnut | 5.0 | 1 | 14 | N E S W<br>2.0 2.0 2.0 2.0 | 3.0 | 2.5 | Semi Mature | Dead | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T677 | 1 | *Pinus sylvestris*<br>Scots Pine | 3.0 | 1 | 34 | N E S W<br>0.0 0.0 0.0 0.0 | 0.0 | 0.0 | Early Mature | Dead | Fallen tree / trees - Whole tree.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T678 | 1 | *Sorbus aria*<br>Whitebeam | 8.0 | 1 | 16 | N E S W<br>4.0 2.0 0.0 2.0 | 2.5 | 1.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G679 | 38 | *Pinus sylvestris* Scots Pine | 12.0 | 1 | 30 | N 3.0 E 3.0 S 3.0 W 3.0 | 1.5 | 1.5 | Early Mature | Fair | | 40.7 | 3.6 | 20-40 | B | 2 |
| | 12 | *Fraxinus excelsior* Ash | | | | | | | | | | | | | | |
| | 10 | *Fagus sylvatica* Common Beech | | | | | | | | | | | | | | |
| | 8 | *Aesculus hippocastanum* Horse Chestnut | | | | | | | | | | | | | | |
| | 3 | *Aesculus x carnea* Red Horse Chestnut | | | | | | | | | | | | | | |
| | 3 | *Sorbus aria* Whitebeam | | | | | | | | | | | | | | |
| | 1 | *Cerasus avium* Wild Cherry | | | | | | | | | | | | | | |
| | 1 | *Sorbus aucuparia* Rowan/Mountain Ash | | | | | | | | | | | | | | |
| T680 | 1 | *Aesculus hippocastanum* Horse Chestnut | 4.0 | 1 | 20 | N 2.0 E 2.0 S 2.0 W 2.0 | 2.0 | 2.0 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G681 | 12<br>8<br>7<br>7<br>2<br>1 | *Pinus sylvestris* Scots Pine<br>*Cerasus avium* Wild Cherry<br>*Aesculus hippocastanum* Horse Chestnut<br>*Fraxinus excelsior* Ash<br>*Sorbus aucuparia* Rowan/Mountain Ash<br>*Fagus sylvatica* Common Beech | 10.0 | 1 | 35 | N 3.5 E 3.5 S 3.5 W 3.5 | 1.0 | 2.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 55.4 | 4.2 | 20-40 | B | 2 |
| T682 | 1 | *Fagus sylvatica* Common Beech | 5.0 | 1 | 15 | N 2.5 E 2.0 S 2.0 W 2.0 | 1.5 | 2.0 | Semi Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 10.2 | 1.8 | 20-40 | C | 2 |
| T683 | 1 | *Fagus sylvatica* Common Beech | 8.0 | 1 | 25 | N 3.0 E 3.5 S 3.5 W 3.5 | 2.0 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 28.3 | 3.0 | 40+ | B | 2 |
| G684 | 3 | *Aesculus x carnea* Red Horse Chestnut | 4.0 | 1 | 12 | N 2.0 E 2.0 S 2.0 W 2.0 | 2.0 | 1.5 | Semi Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 6.5 | 1.4 | 10-20 | C | 2 |
| G685 | 4 | *Pinus sylvestris* Scots Pine | 9.0 | 1 | 30 | N 3.0 E 3.0 S 3.0 W 3.0 | 1.5 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 40.7 | 3.6 | 20-40 | B | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G686 | 9<br>3<br>2<br>2 | *Pinus sylvestris* Scots Pine<br>*Fraxinus excelsior* Ash<br>*Quercus robur* English Oak<br>*Aesculus hippocastanum* Horse Chestnut | 10.0 | 1 | 36 | N 3.0 E 3.0 S 3.0 W 3.0 | 1.0 | 1.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 58.6 | 4.3 | 20-40 | B | 2 |
| T687 | 1 | *Pinus sylvestris* Scots Pine | 6.0 | 1 | 38 | N 3.5 E 3.5 S 3.0 W 4.0 | 1.0 | 1.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 65.3 | 4.6 | 40+ | B | 2 |
| T688 | 1 | *Fagus sylvatica* Common Beech | 6.0 | 1 | 21 | N 3.0 E 2.0 S 2.5 W 3.0 | 2.0 | 1.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 20.0 | 2.5 | 40+ | B | 2 |
| G689 | 3<br>2 | *Cerasus avium* Wild Cherry<br>*Pinus sylvestris* Scots Pine | 5.0 | 1 | 25 | N 3.0 E 3.0 S 3.0 W 3.0 | 0.0 | 2.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 28.3 | 3.0 | 10-20 | C | 2 |
| G690 | 13 | *Pinus sylvestris* Scots Pine | 8.0 | 1 | 30 | N 3.0 E 3.0 S 3.0 W 3.0 | 0.5 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 40.7 | 3.6 | 40+ | B | 2 |
| T691 | 1 | *Aesculus hippocastanum* Horse Chestnut | 5.0 | 3 | 22 | N 4.0 E 5.0 S 4.5 W 2.0 | 1.0 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 23.3 | 2.7 | 10-20 | C | 2 |



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# Luton Airport
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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G692 | 10<br>8<br>2<br>1 | *Prunus spinosa* Blackthorn/Sloe<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Sambucus nigra* Elder<br>*Quercus robur* English Oak | 4.5 | 3 | 18 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 15.6 | 2.2 | 20-40 | C | 2 |
| T693 | 1 | *Fraxinus excelsior* Ash | 6.0 | 2 | 22 | N 4.0 E 4.0 S 3.0 W 3.0 | 0.5 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 23.5 | 2.7 | 20-40 | C | 2 |
| T694 | 1 | *Aesculus hippocastanum* Horse Chestnut | 6.5 | 1 | 21 | N 3.5 E 3.5 S 3.5 W 3.5 | 1.0 | 1.0 | Early Mature | Good | Access to inspect base - Restricted / obscured. Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 20.0 | 2.5 | 20-40 | B | 2 |
| G695 | 9<br>6<br>1 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Sambucus nigra* Elder<br>*Aesculus hippocastanum* Horse Chestnut | 4.0 | 2 | 15 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 11.0 | 1.9 | 20-40 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G696 | 1<br>1<br>1<br>1<br>1 | *Sambucus nigra* Elder<br>*Prunus spinosa* Blackthorn/Sloe<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Cerasus avium* Wild Cherry<br>*Aesculus hippocastanum* Horse Chestnut | 5.0 | 2 | 20 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.1 | 2.4 | 10-20 | C | 2 |
| T697 | 1 | *Quercus robur* English Oak | 6.0 | 1 | 42 | N 5.5 E 5.0 S 5.0 W 5.5 | 0.5 | 1.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 79.8 | 5.0 | 40+ | B | 2 |
| T698 | 1 | *Quercus robur* English Oak | 9.0 | 1 | 37 | N 6.0 E 6.0 S 4.0 W 4.0 | 1.0 | 2.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 61.9 | 4.4 | 40+ | B | 2 |
| G699 | 16<br>12<br>4<br>2 | *Prunus spinosa* Blackthorn/Sloe<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Elaeagnus angustifolia* Oleaster<br>*Acer campestre* Field Maple | 5.0 | 3 | 17 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 13.9 | 2.1 | 10-20 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T700 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 6 | 24 | N 3.0 E 3.0 S 3.0 W 3.0 | 1.0 | 0.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 27.1 | 2.9 | 10-20 | C | 2 |
| T701 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.5 | 4 | 13 | N 3.0 E 3.0 S 2.0 W 1.0 | 1.0 | 1.0 | Early Mature | Poor | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G702 | 4 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.0 | 2 | 8 | N 1.0 E 0.5 S 1.0 W 1.0 | 0.5 | 0.5 | Semi Mature | Fair | Plotted freehand, not on topographical survey. | 3.3 | 1.0 | 10-20 | C | 2 |
| T703 | 1 | *Aesculus hippocastanum* Horse Chestnut | 12.0 | 1 | 79 | N 8.0 E 8.0 S 8.0 W 8.0 | 2.0 | 2.0 | Mature | Good | Not on topographical survey, plotted freehand. | 282.3 | 9.5 | 20-40 | B | 2 |
| T704 | 1 | *Acer negundo* Box Elder (Ash - Leaved) Maple | 8.0 | 4 | 43 | N 4.0 E 4.5 S 5.0 W 4.5 | 4.0 | 3.0 | Early Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. Not on topographical survey, plotted freehand. | 84.8 | 5.2 | 10-20 | C | 2 |
| T705 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 7.0 | 3 | 38 | N 6.0 E 2.0 S 1.0 W 5.0 | 1.5 | 3.0 | Mature | Fair | Not on topographical survey, plotted freehand. | 67.2 | 4.6 | 10-20 | C | 2 |
| G706 | 3 | *Cerasus avium* Wild Cherry | 8.0 | 1 | 34 | N 6.0 E 6.0 S 6.0 W 6.0 | 1.5 | 2.0 | Early Mature | Good | Plotted freehand, not on topographical survey. | 52.3 | 4.1 | 20-40 | B | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G707 | 125<br>100<br>15<br>5<br>1<br>1 | *Prunus spinosa* Blackthorn/Sloe<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Ulmus sp.* Elm sp.<br>*Fraxinus excelsior* Ash<br>*Corylus avellana* Common Hazel<br>*Salix caprea* Goat Willow/Great Sallow | 3.5 | 1 | 15 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 10.2 | 1.8 | 10-20 | C | 2 |
| T708 | 1 | *Fraxinus excelsior* Ash | 6.5 | 1 | 15 | N 2.0 E 4.5 S 3.0 W 3.0 | 1.5 | 1.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 10.2 | 1.8 | 10-20 | C | 2 |
| T709 | 1 | *Fraxinus excelsior* Ash | 7.5 | 1 | 25 | N 4.0 E 3.5 S 3.5 W 3.5 | 2.0 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 28.3 | 3.0 | 10-20 | C | 2 |
| T710 | 1 | *Fraxinus excelsior* Ash | 6.5 | 1 | 10 | N 2.0 E 2.0 S 2.0 W 1.0 | 2.0 | 2.0 | Semi Mature | Good | Not on topographical survey, plotted freehand. | 4.5 | 1.2 | 20-40 | C | 2 |
| G711 | 150<br>20 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Sambucus nigra* Elder | 2.0 | 3 | 14 | N 1.0 E 1.0 S 1.0 W 1.0 | 0.5 | 0.5 | Early Mature | Fair | Hedgerow - Maintained. Plotted freehand, not on topographical survey. | 9.0 | 1.7 | 10-20 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T712 | 1 | *Ilex aquifolium*<br>Holly | 5.0 | 1 | 17 | N E S W<br>3.0 3.0 3.0 3.0 | 0.5 | 1.0 | Early Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 13.1 | 2.0 | 20-40 | C | 2 |
| G713 | 1<br><br>1 | *Corylus avellana*<br>Common Hazel<br><br>*Quercus robur*<br>English Oak | 4.5 | 6 | 12 | N E S W<br>2.0 2.0 2.0 2.0 | 1.5 | 1.0 | Semi Mature | Fair | Plotted freehand, not on topographical survey. | 6.8 | 1.5 | 10-20 | C | 2 |
| T714 | 1 | *Ilex aquifolium*<br>Holly | 5.0 | 4 | 24 | N E S W<br>3.0 2.5 3.0 3.0 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 26.8 | 2.9 | 10-20 | C | 2 |
| G715 | 125<br><br>75<br><br>50<br><br>10 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May<br><br>*Prunus spinosa*<br>Blackthorn/Sloe<br><br>*Acer campestre*<br>Field Maple<br><br>*Ulmus sp.*<br>Elm sp. | 2.0 | 3 | 10 | N E S W<br>0.5 0.5 0.5 0.5 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Hedgerow - Maintained. Plotted freehand, not on topographical survey.<br><br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 5.2 | 1.3 | 10-20 | C | 2 |
| G716 | 100<br><br>50<br><br>15 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May<br><br>*Acer campestre*<br>Field Maple<br><br>*Ilex aquifolium*<br>Holly | 2.0 | 3 | 10 | N E S W<br>0.5 0.5 0.5 0.5 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Hedgerow - Maintained. Plotted freehand, not on topographical survey. | 5.2 | 1.3 | 10-20 | C | 2 |



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# Luton Airport
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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G717 | 30<br>5<br>4 | *Prunus spinosa* Blackthorn/Sloe<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Acer campestre* Field Maple | 2.5 | 3 | 15 | N E S W<br>0.5 0.5 0.5 0.5 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Hedgerow - Maintained. Plotted freehand, not on topographical survey. | 11.0 | 1.9 | 10-20 | C | 2 |
| T718 | 1 | *Fraxinus excelsior* Ash | 8.0 | 1 | 42 | N E S W<br>5.0 4.5 5.0 4.0 | 0.5 | 1.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 79.8 | 5.0 | 20-40 | B | 2 |
| T719 | 1 | *Quercus robur* English Oak | 10.0 | 1 | 86 | N E S W<br>10.0 9.0 10.0 8.0 | 4.0 | 3.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 334.6 | 10.3 | 10-20 | C | 2 |
| T720 | 1 | *Quercus robur* English Oak | 8.0 | 1 | 72 | N E S W<br>3.5 6.0 5.0 2.0 | 3.0 | 3.5 | Early Mature | Poor | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G721 | 5<br>1<br>1 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Acer campestre* Field Maple<br>*Sambucus nigra* Elder | 2.0 | 4 | 15 | N E S W<br>0.5 1.0 0.5 1.0 | 0.5 | 0.5 | Early Mature | Poor | Hedgerow - Neglected / overgrown. Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T722 | 1 | *Acer campestre* Field Maple | 5.5 | 7 | 37 | NW NE SE SW<br>1.5 4.0 3.0 4.0 | 0.5 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 62.1 | 4.4 | 10-20 | C | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G723 | 20<br>8<br>5<br>3<br>3<br>2 | *Prunus spinosa* Blackthorn/Sloe<br>*Corylus avellana* Common Hazel<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Acer campestre* Field Maple<br>*Malus sp.* Apple sp.<br>*Quercus robur* English Oak | 4.0 | 3 | 21 | N E S W<br>2.5 2.5 2.5 2.5 | 0.0 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 21.2 | 2.6 | 10-20 | C | 2 |
| T724 | 1 | *Fraxinus excelsior* Ash | 6.5 | 1 | 21 | NW NE SE SW<br>3.5 3.0 2.0 3.0 | 1.5 | 1.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 20.0 | 2.5 | 20-40 | B | 2 |
| G725 | 18<br>2 | *Prunus spinosa* Blackthorn/Sloe<br>*Corylus avellana* Common Hazel | 3.0 | 6 | 9 | N E S W<br>1.0 1.0 1.0 1.0 | 0.5 | 0.5 | Early Mature | Fair | Plotted freehand, not on topographical survey. | 4.3 | 1.2 | 10-20 | C | 2 |
| T726 | 1 | *Quercus robur* English Oak | 3.0 | 2 | 15 | NW NE SE SW<br>1.0 2.0 1.0 2.0 | 0.5 | 0.5 | Semi Mature | Fair | Not on topographical survey, plotted freehand. | 11.1 | 1.9 | 10-20 | C | 2 |
| T727 | 1 | *Fraxinus excelsior* Ash | 12.0 | 1 | 75 | NW NE SE SW<br>5.5 10.0 6.0 6.0 | 0.0 | 3.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 254.5 | 9.0 | 10-20 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T728 | 1 | *Acer campestre*<br>Field Maple | 5.5 | 3 | 20 | NW 3.0 NE 3.0 SE 3.0 SW 3.5 | 2.5 | 2.0 | Early Mature | Fair | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 18.7 | 2.4 | 10-20 | C | 2 |
| G729 | 50<br>25<br>8<br>6<br>3<br>1<br>1 | *Prunus spinosa*<br>Blackthorn/Sloe<br>*Cornus sp.*<br>Dogwood sp.<br>*Corylus avellana*<br>Common Hazel<br>*Quercus robur*<br>English Oak<br>*Acer campestre*<br>Field Maple<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Malus sp.*<br>Apple sp. | 4.5 | 3 | 17 | NW 2.0 NE 2.5 SE 2.0 SW 2.5 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Hedgerow - Neglected / overgrown. Plotted freehand, not on topographical survey. Dimensions reflect oak and field maple in group. | 13.9 | 2.1 | 10-20 | C | 2 |
| T730 | 1 | *Quercus robur*<br>English Oak | 7.0 | 1 | 42 | N 4.0 E 4.5 S 6.0 W 4.5 | 3.0 | 2.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 79.8 | 5.0 | 10-20 | C | 2 |
| T731 | 1 | *Fagus sylvatica*<br>Common Beech | 3.0 | 1 | 17 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.0 | 1.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. In neighbouring property. | 13.1 | 2.0 | 20-40 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G732 | 2<br>1 | *Prunus spinosa* Blackthorn/Sloe<br>*Crataegus monogyna* Common Hawthorn/Quick/May | 5.0 | 2 | 16 | N E S W<br>2.5 2.5 2.5 2.5 | 1.5 | 1.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. On boundary. | 12.2 | 2.0 | 10-20 | C | 2 |
| T733 | 1 | *Fraxinus excelsior* Ash | 5.0 | 1 | 11 | N E S W<br>1.5 1.5 1.5 1.5 | 1.5 | 1.5 | Semi Mature | Good | Not on topographical survey, plotted freehand. | 5.5 | 1.3 | 20-40 | C | 2 |
| T734 | 1 | *Ulmus sp.* Elm sp. | 5.5 | 2 | 16 | N E S W<br>2.5 3.0 2.5 3.0 | 1.5 | 1.0 | Early Mature | Dead | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G735 | 100<br>20<br>1 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Cornus sp.* Dogwood sp.<br>*Euonymus sp.* Spindle | 2.0 | 2 | 7 | NW NE SE SW<br>0.5 0.5 0.5 0.5 | 0.0 | 0.5 | Early Mature | Fair | Hedgerow - Maintained. Plotted freehand, not on topographical survey. Out of boundary. | 2.3 | 0.8 | 10-20 | C | 2 |
| T736 | 1 | *Quercus robur* English Oak | 9.0 | 1 | 87 | N E S W<br>7.0 7.0 7.0 7.0 | 2.5 | 3.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 342.4 | 10.4 | 20-40 | C | 2 |
| T737 | 1 | *Quercus robur* English Oak | 3.5 | 1 | 10 | NW NE SE SW<br>2.0 2.0 2.0 1.0 | 2.0 | 1.5 | Semi Mature | Good | Not on topographical survey, plotted freehand. | 4.5 | 1.2 | 20-40 | C | 2 |



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# Tree Survey BS5837-2012

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G738 | 4 | *Sambucus nigra*<br>Elder | 2.0 | 7 | 21 | NW 1.5 NE 0.5 SE 1.5 SW 0.5 | 0.5 | 0.5 | Early Mature | Poor | Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T739 | 1 | *Quercus robur*<br>English Oak | 14.0 | 1 | 94 | NW 7.0 NE 7.0 SE 10.0 SW 11.0 | 3.5 | 3.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 399.7 | 11.3 | 40+ | B | 2 |
| T740 | 1 | *Fraxinus excelsior*<br>Ash | 12.0 | 4 | 53 | N 5.0 E 7.0 S 6.0 W 8.0 | 3.0 | 4.5 | Ancient or Veteran | Poor | Ancient tree.<br>Historic coppice stool. Not on topographical survey, plotted freehand. One stem is fractured. | 130.2 | 6.4 | 10-20 | A | 3 |
| G741 | 18<br>6<br>6<br>4<br>3<br>2<br>1 | *Fraxinus excelsior*<br>Ash<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Acer campestre*<br>Field Maple<br>*Cerasus avium*<br>Wild Cherry<br>*Pinus sylvestris*<br>Scots Pine<br>*Quercus robur*<br>English Oak<br>*Ilex aquifolium*<br>Holly | 12.0 | 3 | 29 | N 3.5 E 3.5 S 3.5 W 3.5 | 3.0 | 1.0 | Early Mature | Fair | 3 dead Scots pine within group. | 38.5 | 3.5 | 10-20 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T742 | 1 | *Quercus robur* English Oak | 13.0 | 1 | 50 | N E S W 1.0 5.0 9.0 3.0 | 2.5 | 3.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 113.1 | 6.0 | 20-40 | C | 2 |
| T743 | 1 | *Quercus robur* English Oak | 12.0 | 1 | 60 | N E S W 6.0 7.0 5.0 6.0 | 1.5 | 3.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 162.9 | 7.2 | 20-40 | B | 2 |
| T744 | 1 | *Fraxinus excelsior* Ash | 16.0 | 1 | 95 | N E S W 8.0 8.0 11.0 10.0 | 2.0 | 2.5 | Mature | Fair | Not on topographical survey, plotted freehand. | 408.3 | 11.4 | 10-20 | C | 2 |
| T745 | 1 | *Quercus robur* English Oak | 10.0 | 1 | 62 | N E S W 8.0 8.0 9.0 9.0 | 0.5 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 173.9 | 7.4 | 40+ | B | 2 |
| G746 | 1<br>1 | *Acer campestre* Field Maple<br>*Quercus robur* English Oak | 3.5 | 3 | 14 | NW NE SE SW 1.5 1.0 1.5 1.0 | 1.5 | 1.5 | Semi Mature | Good | Plotted freehand, not on topographical survey. | 9.0 | 1.7 | 20-40 | C | 2 |
| T747 | 1 | *Quercus robur* English Oak | 8.0 | 1 | 85 | N E S W 5.5 8.0 8.0 7.0 | 0.5 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 326.9 | 10.2 | 20-40 | B | 2 |
| G748 | 3<br>1 | *Acer campestre* Field Maple<br>*Quercus robur* English Oak | 3.5 | 3 | 17 | NW NE SE SW 2.0 1.0 2.0 1.0 | 0.5 | 0.5 | Semi Mature | Fair | Plotted freehand, not on topographical survey. | 13.9 | 2.1 | 10-20 | C | 2 |
| G749 | 3<br>1 | *Acer campestre* Field Maple<br>*Corylus avellana* Common Hazel | 3.5 | 6 | 9 | NW NE SE SW 1.5 0.5 1.5 0.5 | 0.5 | 0.5 | Early Mature | Fair | | 4.3 | 1.2 | 10-20 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T750 | 1 | *Sambucus nigra*<br>Elder | 3.5 | 5 | 22 | NW 2.0<br>NE 2.0<br>SE 2.0<br>SW 0.5 | 0.5 | 0.5 | Early Mature | Poor | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T751 | 1 | *Quercus robur*<br>English Oak | 15.0 | 1 | 97 | N 7.0<br>E 10.0<br>S 10.0<br>W 10.0 | 2.5 | 4.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. In neighbouring property. | 425.7 | 11.6 | 20-40 | B | 2 |
| G752 | 5<br>2<br>1<br>1<br>1 | *Cerasus avium*<br>Wild Cherry<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Acer campestre*<br>Field Maple<br>*Fagus sylvatica*<br>Common Beech<br>*Quercus robur*<br>English Oak | 6.0 | 1 | 15 | N 1.0<br>E 2.0<br>S 4.0<br>W 3.0 | 3.0 | 1.0 | Semi Mature | Fair | Plotted freehand, not on topographical survey. Out of boundary. | 10.2 | 1.8 | 10-20 | C | 2 |
| T753 | 1 | *Quercus robur*<br>English Oak | 14.0 | 1 | 94 | N 7.0<br>E 7.0<br>S 9.0<br>W 11.0 | 1.5 | 2.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 399.7 | 11.3 | 40+ | B | 2 |
| T754 | 1 | *Quercus robur*<br>English Oak | 12.0 | 1 | 45 | N 4.0<br>E 4.0<br>S 4.0<br>W 3.0 | 3.5 | 4.5 | Early Mature | Poor | Not on topographical survey, plotted freehand. | 91.6 | 5.4 | 10-20 | C | 2 |
| T755 | 1 | *Quercus robur*<br>English Oak | 10.0 | 1 | 58 | N 4.0<br>E 5.0<br>S 5.0<br>W 4.0 | 1.0 | 2.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 152.2 | 7.0 | 10-20 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T756 | 1 | *Fraxinus excelsior* Ash | 8.0 | 8 | 39 | N 5.0 E 5.0 S 5.0 W 5.0 | 2.5 | 1.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 70.9 | 4.8 | 20-40 | C | 2 |
| T757 | 1 | *Quercus robur* English Oak | 10.0 | 1 | 55 | N 5.0 E 7.0 S 8.0 W 4.0 | 2.0 | 3.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 136.8 | 6.6 | 20-40 | C | 2 |
| G758 | 1<br>1 | *Fraxinus excelsior* Ash<br>*Quercus robur* English Oak | 4.0 | 1 | 13 | N 2.5 E 2.5 S 2.5 W 2.5 | 2.5 | 2.0 | Semi Mature | Fair | Plotted freehand, not on topographical survey. | 7.6 | 1.6 | 20-40 | C | 2 |
| T759 | 1 | *Quercus robur* English Oak | 16.0 | 1 | 92 | N 5.0 E 7.0 S 8.0 W 8.5 | 3.0 | 3.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 382.9 | 11.0 | 20-40 | C | 2 |



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# Luton Airport
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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G760 | 60 | *Prunus spinosa* Blackthorn/Sloe | 6.0 | 2 | 19 | N 3.0 E 3.0 S 3.0 W 3.0 | 0.0 | 1.5 | Semi Mature | Good | Dimensions reflect oak and hornbeam in group. | 16.7 | 2.3 | 20-40 | C | 2 |
| | 12 | *Crataegus monogyna* Common Hawthorn/Quick/May | | | | | | | | | | | | | | |
| | 5 | *Cerasus avium* Wild Cherry | | | | | | | | | | | | | | |
| | 3 | *Carpinus betulus* Hornbeam | | | | | | | | | | | | | | |
| | 2 | *Quercus robur* English Oak | | | | | | | | | | | | | | |
| | 2 | *Corylus avellana* Common Hazel | | | | | | | | | | | | | | |
| | 2 | *Fraxinus excelsior* Ash | | | | | | | | | | | | | | |
| | 2 | *Acer campestre* Field Maple | | | | | | | | | | | | | | |
| | 1 | *Cornus sp.* Dogwood sp. | | | | | | | | | | | | | | |
| T761 | 1 | *Ilex aquifolium* Holly | 6.0 | 5 | 30 | N 3.5 E 3.0 S 4.0 W 3.0 | 0.0 | 1.0 | Early Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 40.9 | 3.6 | 20-40 | B | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G762 | 40<br>24<br>12<br>5<br>3<br>1<br>1<br>1 | *Prunus spinosa* Blackthorn/Sloe<br>*Corylus avellana* Common Hazel<br>*Acer campestre* Field Maple<br>*Cerasus avium* Wild Cherry<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Cornus sp.* Dogwood sp.<br>*Carpinus betulus* Hornbeam<br>*Quercus robur* English Oak | 7.0 | 3 | 19 | N 3.0 E 3.0 S 3.0 W 3.0 | 0.0 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. | 17.6 | 2.4 | 20-40 | C | 2 |
| T763 | 1 | *Ilex aquifolium* Holly | 4.0 | 5 | 33 | N 3.0 E 4.0 S 3.0 W 3.0 | 0.0 | 1.0 | Early Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 51.9 | 4.1 | 20-40 | B | 2 |
| T764 | 1 | *Fraxinus excelsior* Ash | 10.0 | 4 | 89 | N 7.0 E 8.0 S 9.0 W 8.0 | 2.0 | 4.0 | Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. Not on topographical survey, plotted freehand. | 362.7 | 10.7 | 10-20 | C | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G765 | 3<br>1 | *Acer campestre*<br>Field Maple<br>*Corylus avellana*<br>Common Hazel | 5.0 | 3 | 21 | N E S W<br>2.5 2.5 2.5 2.5 | 0.5 | 1.0 | Early Mature | Good | Plotted freehand, not on topographical survey. | 21.2 | 2.6 | 10-20 | C | 2 |
| G766 | 8<br>4<br>4<br>4<br>2<br>1<br>1 | *Acer campestre*<br>Field Maple<br>*Prunus spinosa*<br>Blackthorn/Sloe<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Corylus avellana*<br>Common Hazel<br>*Quercus robur*<br>English Oak<br>*Fraxinus excelsior*<br>Ash<br>*Ilex aquifolium*<br>Holly | 8.0 | 2 | 33 | N E S W<br>3.0 3.0 3.0 3.0 | 3.5 | 1.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. Plotted freehand, not on topographical survey. | 50.9 | 4.0 | 10-20 | C | 2 |
| G767 | 7<br>2<br>2 | *Prunus spinosa*<br>Blackthorn/Sloe<br>*Corylus avellana*<br>Common Hazel<br>*Sambucus nigra*<br>Elder | 4.0 | 6 | 19 | N E S W<br>2.5 2.5 2.5 2.5 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 17.4 | 2.4 | 10-20 | C | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G768 | 3 | *Ilex aquifolium*<br>Holly | 6.0 | 5 | 43 | N E S W<br>3.5 3.5 3.5 3.5 | 0.5 | 1.0 | Early Mature | Good | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 84.2 | 5.2 | 10-20 | C | 2 |
| G769 | 2<br><br>1 | *Ilex aquifolium*<br>Holly<br><br>*Corylus avellana*<br>Common Hazel | 6.0 | 5 | 43 | N E S W<br>3.5 3.5 2.5 3.5 | 0.5 | 1.0 | Early Mature | Good | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 84.2 | 5.2 | 10-20 | C | 2 |
| G770 | 7<br><br>3 | *Corylus avellana*<br>Common Hazel<br><br>*Acer campestre*<br>Field Maple | 6.0 | 8 | 22 | N E S W<br>3.5 3.5 3.5 3.5 | 0.5 | 0.5 | Early Mature | Fair | Plotted freehand, not on topographical survey. | 23.2 | 2.7 | 10-20 | C | 2 |
| T771 | 1 | *Fraxinus excelsior*<br>Ash | 8.0 | 7 | 47 | N E S W<br>7.0 7.0 7.0 6.0 | 1.5 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 102.6 | 5.7 | 10-20 | C | 2 |
| T772 | 1 | *Quercus robur*<br>English Oak | 15.0 | 1 | 85 | N E S W<br>6.0 9.0 9.0 7.0 | 1.5 | 4.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 326.9 | 10.2 | 40+ | B | 2 |
| T773 | 1 | *Fraxinus excelsior*<br>Ash | 10.0 | 15 | 77 | N E S W<br>11.0 9.0 5.0 11.0 | 1.5 | 2.5 | Ancient or Veteran | Fair | Ancient tree.<br>Historic coppice stool. Not on topographical survey, plotted freehand. | 271.4 | 9.3 | 10-20 | A | 2<br>3 |
| T774 | 1 | *Quercus robur*<br>English Oak | 11.0 | 1 | 100 | N E S W<br>8.0 10.0 10.0 9.0 | 2.5 | 3.5 | Mature | Poor | Not on topographical survey, plotted freehand. | 452.4 | 12.0 | 10-20 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G775 | 4<br>2<br>2 | *Prunus spinosa* Blackthorn/Sloe<br>*Acer campestre* Field Maple<br>*Corylus avellana* Common Hazel | 4.0 | 1 | 16 | N E S W<br>2.5 2.5 2.5 2.5 | 1.0 | 1.0 | Early Mature | Fair | Plotted freehand, not on topographical survey. | 11.6 | 1.9 | 10-20 | C | 2 |
| G776 | 3<br>1 | *Corylus avellana* Common Hazel<br>*Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 8 | 14 | N E S W<br>2.5 2.5 2.5 2.5 | 1.0 | 0.5 | Early Mature | Fair | Plotted freehand, not on topographical survey. | 9.0 | 1.7 | 10-20 | C | 2 |
| G777 | 2 | *Corylus avellana* Common Hazel | 4.0 | 8 | 14 | N E S W<br>3.0 3.0 3.0 3.0 | 1.0 | 0.5 | Early Mature | Fair | Plotted freehand, not on topographical survey. | 9.0 | 1.7 | 10-20 | C | 2 |
| T778 | 1 | *Sambucus nigra* Elder | 2.0 | 3 | 9 | N E S W<br>1.5 1.5 1.5 1.5 | 0.5 | 0.5 | Early Mature | Fair | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T779 | 1 | *Corylus avellana* Common Hazel | 4.5 | 12 | 20 | N E S W<br>3.5 3.0 1.5 3.0 | 0.5 | 0.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 19.5 | 2.5 | 10-20 | C | 2 |
| T780 | 1 | *Quercus robur* English Oak | 8.5 | 1 | 98 | N E S W<br>8.0 5.0 4.0 5.0 | 1.0 | 1.5 | Mature | Fair | Not on topographical survey, plotted freehand. | 434.5 | 11.8 | 20-40 | C | 2 |
| T781 | 1 | *Quercus robur* English Oak | 15.0 | 1 | 95 | N E S W<br>10.0 8.0 6.0 7.0 | 1.5 | 2.5 | Mature | Fair | Not on topographical survey, plotted freehand. Potential future veteran. | 408.3 | 11.4 | 20-40 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T782 | 1 | *Quercus robur*<br>English Oak | 12.0 | 1 | 97 | N E S W<br>8.0 8.0 7.0 8.0 | 4.0 | 3.0 | Mature | Good | Not on topographical survey, plotted freehand. Potential future veteran. | 425.7 | 11.6 | 40+ | B | 2 |
| T783 | 1 | *Quercus robur*<br>English Oak | 6.0 | 1 | 55 | N E S W<br>5.0 5.0 4.0 4.5 | 2.0 | 3.0 | Early Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. Not on topographical survey, plotted freehand. | 136.8 | 6.6 | 10-20 | C | 2 |
| G784 | 40<br>15<br>8<br>4<br>1<br>1<br>1 | *Prunus spinosa*<br>Blackthorn/Sloe<br>*Corylus avellana*<br>Common Hazel<br>*Carpinus betulus*<br>Hornbeam<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Acer campestre*<br>Field Maple<br>*Salix caprea*<br>Goat Willow/Great Sallow<br>*Sambucus nigra*<br>Elder | 4.0 | 6 | 24 | N E S W<br>1.5 2.5 1.5 1.0 | 0.5 | 0.5 | Early Mature | Good | Plotted freehand, not on topographical survey. | 27.1 | 2.9 | 20-40 | C | 2 |
| T785 | 1 | *Fraxinus excelsior*<br>Ash | 13.0 | 1 | 36 | N E S W<br>5.5 5.0 5.5 5.0 | 2.5 | 4.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 58.6 | 4.3 | 20-40 | B | 2 |
| T786 | 1 | *Corylus avellana*<br>Common Hazel | 4.0 | 20 | 17 | NW NE SE SW<br>2.5 1.0 3.0 2.0 | 0.5 | 0.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 14.5 | 2.1 | 10-20 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T787 | 1 | *Corylus avellana*<br>Common Hazel | 3.5 | 20 | 17 | NW 3.0<br>NE 1.5<br>SE 3.5<br>SW 2.0 | 0.5 | 0.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 14.5 | 2.1 | 10-20 | C | 2 |
| T788 | 1 | *Acer campestre*<br>Field Maple | 4.0 | 10 | 12 | N 1.5<br>E 1.5<br>S 1.5<br>W 1.5 | 1.0 | 0.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 7.2 | 1.5 | 10-20 | C | 2 |
| T789 | 1 | *Quercus robur*<br>English Oak | 15.0 | 1 | 113 | N 15.0<br>E 11.0<br>S 15.0<br>W 15.0 | 2.5 | 3.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 577.7 | 13.6 | 40+ | B | 1<br>2 |
| G790 | 450<br>200<br>100<br>100<br>20 | *Cupressus sp.*<br>Cypress sp.<br>*Fagus sylvatica*<br>Common Beech<br>*Picea abies*<br>Norway Spruce<br>*Pinus sylvestris*<br>Scots Pine<br>*Quercus robur*<br>English Oak | 15.0 | 1 | 25 | N 2.5<br>E 2.5<br>S 2.5<br>W 2.5 | 2.5 | 4.0 | Early Mature | Fair | Plantation. | 28.3 | 3.0 | 10-20 | C | 2 |
| G791 | 50<br>20<br>8<br>4 | *Prunus spinosa*<br>Blackthorn/Sloe<br>*Corylus avellana*<br>Common Hazel<br>*Acer campestre*<br>Field Maple<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May | 5.0 | 8 | 28 | N 2.5<br>E 2.5<br>S 2.5<br>W 2.5 | 0.5 | 0.5 | Early Mature | Fair | Plotted freehand, not on topographical survey. | 36.2 | 3.4 | 10-20 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T792 | 1 | *Acer campestre* Field Maple | 6.5 | 4 | 60 | N 4.0 E 4.5 S 4.5 W 4.0 | 0.5 | 0.5 | Mature | Good | Historic coppice stool. Not on topographical survey, plotted freehand. | 164.0 | 7.2 | 20-40 | B | 2 |
| T793 | 1 | *Malus sp.* Apple sp. | 7.0 | 1 | 42 | N 5.0 E 3.0 S 8.0 W 6.0 | 3.0 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 79.8 | 5.0 | 10-20 | C | 2 |
| T794 | 1 | *Quercus robur* English Oak | 10.0 | 1 | 75 | N 6.0 E 7.0 S 8.0 W 9.0 | 4.0 | 1.0 | Mature | Poor | Base / stems obscured - Vegetation. Fungal fruiting body - structural decay suspected. Ivy or climbing plant. Not on topographical survey, plotted freehand. | 254.5 | 9.0 | 10-20 | C | 2 |
| T795 | 1 | *Acer campestre* Field Maple | 8.0 | 2 | 39 | N 4.0 E 4.0 S 4.0 W 2.5 | 1.0 | 0.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 69.8 | 4.7 | 10-20 | C | 2 |
| T796 | 1 | *Acer campestre* Field Maple | 6.0 | 1 | 26 | N 3.0 E 0.5 S 3.0 W 4.0 | 1.5 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 30.6 | 3.1 | 10-20 | C | 2 |
| T797 | 1 | *Ilex aquifolium* Holly | 6.5 | 1 | 40 | N 4.0 E 5.0 S 4.5 W 3.0 | 0.5 | 1.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 72.4 | 4.8 | 20-40 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G798 | 15<br>6<br>6<br>4<br>1<br>1 | *Prunus spinosa* Blackthorn/Sloe<br>*Corylus avellana* Common Hazel<br>*Sambucus nigra* Elder<br>*Acer campestre* Field Maple<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Ilex aquifolium* Holly | 6.0 | 6 | 19 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Early Mature | Fair | Plotted freehand, not on topographical survey. | 17.4 | 2.4 | 10-20 | C | 2 |
| G799 | 10<br>4<br>2<br>1<br>1 | *Prunus sp.* Cherry sp.<br>*Acer campestre* Field Maple<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Corylus avellana* Common Hazel<br>*Ilex aquifolium* Holly | 6.0 | 2 | 19 | N 2.5 E 2.5 S 3.5 W 2.5 | 1.0 | 1.0 | Early Mature | Good | | 16.7 | 2.3 | 20-40 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G800 | 15<br>5<br>1 | *Corylus avellana*<br>Common Hazel<br>*Acer campestre*<br>Field Maple<br>*Ilex aquifolium*<br>Holly | 6.0 | 3 | 21 | N E S W<br>2.5 3.0 2.5 2.5 | 1.0 | 1.0 | Early Mature | Fair | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 21.2 | 2.6 | 10-20 | C | 2 |
| G801 | 20<br>7<br>1 | *Corylus avellana*<br>Common Hazel<br>*Acer campestre*<br>Field Maple<br>*Euonymus sp.*<br>Spindle | 4.0 | 6 | 14 | N E S W<br>1.0 1.0 1.0 1.0 | 0.5 | 0.5 | Mature | Fair | Plotted freehand, not on topographical survey. | 9.8 | 1.8 | 10-20 | C | 2 |
| T802 | 1 | *Fraxinus excelsior*<br>Ash | 6.5 | 1 | 49 | N E S W<br>3.0 6.0 7.0 5.0 | 1.5 | 1.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 108.6 | 5.9 | 10-20 | C | 2 |
| T803 | 1 | *Corylus avellana*<br>Common Hazel | 4.0 | 25 | 15 | N E S W<br>3.5 1.5 3.0 2.0 | 0.5 | 0.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 10.2 | 1.8 | 10-20 | C | 2 |
| G804 | 3<br>1 | *Corylus avellana*<br>Common Hazel<br>*Sambucus nigra*<br>Elder | 3.5 | 20 | 13 | N E S W<br>1.5 1.5 1.5 2.0 | 0.5 | 0.5 | Early Mature | Fair | Plotted freehand, not on topographical survey. | 8.1 | 1.6 | 10-20 | C | 2 |



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# Luton Airport
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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G805 | 8<br>3<br>3 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Corylus avellana* Common Hazel<br>*Sambucus nigra* Elder | 4.0 | 20 | 13 | N 1.5 E 1.5 S 1.5 W 2.0 | 0.5 | 0.5 | Early Mature | Fair | Plotted freehand, not on topographical survey. | 8.1 | 1.6 | 10-20 | C | 2 |
| G806 | 4 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.0 | 2 | 14 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Early Mature | Good | Plotted freehand, not on topographical survey. | 9.4 | 1.7 | 20-40 | C | 2 |
| T807 | 1 | *Betula pendula* Silver Birch | 6.0 | 3 | 26 | N 3.5 E 2.0 S 3.0 W 3.0 | 1.5 | 0.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 31.2 | 3.1 | 20-40 | C | 2 |
| G808 | 3 | *Corylus avellana* Common Hazel | 4.0 | 20 | 17 | N 3.5 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Fair | Plotted freehand, not on topographical survey. | 14.5 | 2.1 | 10-20 | C | 2 |
| T809 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 4 | 21 | N 2.0 E 2.5 S 3.0 W 3.5 | 1.0 | 1.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 21.6 | 2.6 | 20-40 | C | 2 |
| G810 | 15<br>2 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Betula pendula* Silver Birch | 4.0 | 2 | 17 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.0 | 1.0 | Early Mature | Good | Plotted freehand, not on topographical survey. | 13.4 | 2.1 | 20-40 | C | 2 |
| T811 | 1 | *Quercus robur* English Oak | 7.0 | 2 | 38 | N 5.0 E 5.0 S 5.0 W 5.0 | 1.5 | 1.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 65.6 | 4.6 | 20-40 | B | 2 |

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# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T812 | 1 | *Quercus robur*<br>English Oak | 15.0 | 1 | 47 | N E S W<br>2.0 3.0 7.5 5.0 | 1.5 | 0.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 99.9 | 5.6 | 20-40 | C | 2 |
| G813 | 45<br>15<br>3 | *Betula pendula*<br>Silver Birch<br>*Sambucus nigra*<br>Elder<br>*Fraxinus excelsior*<br>Ash | 8.0 | 1 | 14 | N E S W<br>2.5 2.5 2.5 2.5 | 1.5 | 1.5 | Semi Mature | Good | | 8.9 | 1.7 | 20-40 | C | 2 |
| T814 | 65<br>10<br>8<br>6<br>5 | *Carpinus betulus*<br>Hornbeam<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Acer campestre*<br>Field Maple<br>*Cerasus avium*<br>Wild Cherry<br>*Quercus robur*<br>English Oak | 14.0 | 4 | 44 | N E S W<br>3.0 3.0 3.0 3.0 | 1.5 | 1.5 | Mature | Fair | Historic hornbeam coppice. Plotted freehand, not on topographical survey. | 90.2 | 5.4 | 20-40 | B | 2<br>3 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G815 | 25<br>6<br>5<br>1 | *Carpinus betulus* Hornbeam<br>*Corylus avellana* Common Hazel<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Quercus robur* English Oak | 7.0 | 8 | 28 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Mature | Good | Historic hornbeam coppice. | 36.2 | 3.4 | 20-40 | C | 2<br>3 |
| T816 | 1 | *Carpinus betulus* Hornbeam | 8.0 | 12 | 86 | N 7.0 E 5.0 S 4.0 W 7.0 | 0.5 | 0.5 | Mature | Fair | Historic coppice stool. Not on topographical survey, plotted freehand. | 339.3 | 10.4 | 20-40 | B | 3 |
| G817 | 10<br>2<br>1<br>1<br>1<br>1 | *Carpinus betulus* Hornbeam<br>*Sambucus nigra* Elder<br>*Acer campestre* Field Maple<br>*Betula pendula* Silver Birch<br>*Corylus avellana* Common Hazel<br>*Ilex aquifolium* Holly | 6.0 | 1 | 80 | N 3.0 E 3.0 S 3.0 W 3.0 | 0.5 | 0.5 | Mature | Good | Historic hornbeam coppice stools. Plotted freehand, not on topographical survey. | 289.5 | 9.6 | 20-40 | B | 3 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G818 | 80<br>15<br>1 | *Carpinus betulus* Hornbeam<br>*Acer campestre* Field Maple<br>*Quercus robur* English Oak | 14.0 | 4 | 35 | N E S W<br>3.0 3.0 3.0 3.0 | 1.0 | 1.5 | Mature | Fair | Hornbeam coppice. Plotted freehand, not on topographical survey. | 57.0 | 4.3 | 20-40 | B | 2 |
| T819 | 1 | *Carpinus betulus* Hornbeam | 14.0 | 6 | 58 | N E S W<br>4.5 4.0 6.0 3.0 | 1.5 | 0.5 | Mature | Fair | Not on topographical survey, plotted freehand. | 156.3 | 7.1 | 10-20 | C | 3 |
| T820 | 1 | *Fraxinus excelsior* Ash | 14.0 | 6 | 73 | N E S W<br>7.5 5.5 5.0 5.0 | 1.5 | 4.0 | Mature | Good | Historic coppice with secondary pollarding. Not on topographical survey, plotted freehand. | 244.3 | 8.8 | 10-20 | C | 3 |
| T821 | 1 | *Quercus robur* English Oak | 7.0 | 2 | 63 | N E S W<br>6.0 5.0 5.0 4.5 | 1.5 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand. In neighbouring property. | 183.6 | 7.6 | 40+ | B | 2 |
| T822 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.5 | 6 | 36 | N E S W<br>3.0 3.0 2.5 2.5 | 1.5 | 1.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 61.1 | 4.4 | 20-40 | C | 2 |
| T823 | 1 | *Sambucus nigra* Elder | 3.5 | 6 | 22 | N E S W<br>2.0 2.5 2.0 2.0 | 0.5 | 0.5 | Early Mature | Fair | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G824 | 2 | *Sambucus nigra* Elder | 3.0 | 8 | 16 | N E S W<br>1.5 1.5 1.5 1.5 | 0.5 | 0.5 | Early Mature | Fair | Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |

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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G825 | 5<br>2<br>2 | *Corylus avellana*<br>Common Hazel<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Acer campestre*<br>Field Maple | 7.0 | 3 | 41 | N E S W<br>4.0 4.0 4.0 4.0 | 1.0 | 1.0 | Early Mature | Good | Plotted freehand, not on topographical survey.<br>Historic couple stool group. | 78.5 | 5.0 | 20-40 | C | 2 |
| G826 | 25<br>15<br>10<br>8<br>5<br>5 | *Prunus spinosa*<br>Blackthorn/Sloe<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Acer campestre*<br>Field Maple<br>*Sambucus nigra*<br>Elder<br>*Corylus avellana*<br>Common Hazel<br>*Ilex aquifolium*<br>Holly | 4.5 | 3 | 19 | N E S W<br>1.0 2.5 1.0 1.0 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Hedgerow - Neglected / overgrown.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 16.3 | 2.3 | 10-20 | C | 2 |
| T827 | 1 | *Sambucus nigra*<br>Elder | 3.0 | 6 | 24 | N E S W<br>2.0 2.0 2.0 2.0 | 1.5 | 1.0 | Early Mature | Fair | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T828 | 1 | *Sambucus nigra* Elder | 2.5 | 6 | 19 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.5 | 1.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T829 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.5 | 1 | 18 | N 3.0 E 3.0 S 3.0 W 2.0 | 0.5 | 0.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 14.7 | 2.2 | 20-40 | C | 2 |
| T830 | 1 | *Acer campestre* Field Maple | 4.0 | 1 | 15 | N 2.5 E 3.0 S 4.0 W 1.5 | 0.5 | 0.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 10.2 | 1.8 | 20-40 | C | 2 |
| T831 | 1 | *Acer pseudoplatanus* Sycamore | 5.0 | 2 | 10 | NW 2.0 NE 2.0 SE 0.0 SW 3.0 | 0.5 | 0.5 | Early Mature | Good | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G832 | 2 | *Sambucus nigra* Elder | 3.0 | 8 | 8 | N 1.5 E 1.5 S 1.5 W 1.5 | 1.0 | 0.5 | Early Mature | Fair | Plotted freehand, not on topographical survey. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 3.3 | 1.0 | 10-20 | C | 2 |
| T833 | 1 | *Cerasus avium* Wild Cherry | 7.0 | 1 | 35 | N 5.0 E 5.0 S 4.0 W 2.0 | 1.0 | 1.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 55.4 | 4.2 | 20-40 | B | 2 |
| G834 | 4 | *Sambucus nigra* Elder | 3.0 | 3 | 16 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Poor | Plotted freehand, not on topographical survey. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G835 | 2 | *Sambucus nigra* Elder | 3.0 | 4 | 16 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Early Mature | Good | Plotted freehand, not on topographical survey. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 11.9 | 1.9 | 10-20 | C | 2 |
| G836 | 3 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.0 | 6 | 19 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Poor | Plotted freehand, not on topographical survey. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G837 | 15<br>12 | *Sambucus nigra* Elder<br>*Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 2 | 15 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Fair | Plotted freehand, not on topographical survey. | 11.0 | 1.9 | 10-20 | C | 2 |
| T838 | 1 | *Ilex aquifolium* Holly | 4.0 | 12 | 27 | N 3.0 E 2.0 S 1.5 W 2.0 | 0.5 | 1.0 | Semi Mature | Good | Not on topographical survey, plotted freehand. | 34.7 | 3.3 | 20-40 | C | 2 |
| T839 | 1 | *Quercus robur* English Oak | 11.0 | 1 | 104 | N 9.0 E 9.0 S 8.0 W 8.0 | 1.0 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 489.3 | 12.5 | 20-40 | B | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G840 | 50<br>25<br>5<br>1 | *Prunus spinosa* Blackthorn/Sloe<br>*Sambucus nigra* Elder<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Corylus avellana* Common Hazel | 4.0 | 3 | 18 | N 1.5 E 1.5 S 1.5 W 1.5 | 1.0 | 0.5 | Mature | Poor | Hedgerow - Neglected / overgrown. Plotted freehand, not on topographical survey. | 15.6 | 2.2 | 10-20 | C | 2 |
| G841 | 4 | *Prunus spinosa* Blackthorn/Sloe | 3.0 | 4 | 14 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Early Mature | Fair | Plotted freehand, not on topographical survey. | 9.0 | 1.7 | 10-20 | C | 2 |
| G842 | 150<br>20 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Sambucus nigra* Elder | 2.0 | 3 | 14 | N 1.0 E 1.0 S 1.0 W 1.0 | 0.5 | 0.5 | Early Mature | Fair | Hedgerow - Maintained. Plotted freehand, not on topographical survey. | 9.0 | 1.7 | 10-20 | C | 2 |
| G843 | 75<br>10<br>8<br>5 | *Prunus spinosa* Blackthorn/Sloe<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Corylus avellana* Common Hazel<br>*Acer campestre* Field Maple | 2.0 | 6 | 19 | NW 1.0 NE 0.5 SE 1.0 SW 0.5 | 0.5 | 0.5 | Early Mature | Fair | Hedgerow - Maintained. Plotted freehand, not on topographical survey. | 17.4 | 2.4 | 10-20 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T844 | 1 | *Ilex aquifolium*<br>Holly | 5.0 | 5 | 27 | NW NE SE SW<br>1.5 3.0 1.5 3.0 | 0.5 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 33.9 | 3.3 | 20-40 | C | 2 |
| T845 | 1 | *Quercus robur*<br>English Oak | 6.5 | 2 | 32 | NW NE SE SW<br>4.0 3.5 2.0 3.5 | 1.5 | 1.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 48.0 | 3.9 | 10-20 | C | 2 |
| G846 | 150<br>65<br>6<br>1 | *Prunus spinosa*<br>Blackthorn/Sloe<br>*Corylus avellana*<br>Common Hazel<br>*Carpinus betulus*<br>Hornbeam<br>*Acer campestre*<br>Field Maple | 6.0 | 5 | 26 | NW NE SE SW<br>3.0 3.0 3.0 3.0 | 0.5 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. Hedgerow - Neglected / overgrown. Plotted freehand, not on topographical survey. | 32.9 | 3.2 | 10-20 | C | 2 |
| T847 | 1 | *Quercus robur*<br>English Oak | 9.0 | 1 | 95 | N E S W<br>9.0 11.0 9.0 7.0 | 1.5 | 2.0 | Early Mature | Fair | Fungal fruiting body - structural decay suspected. Not on topographical survey, plotted freehand. | 408.3 | 11.4 | 20-40 | B | 2 |
| T848 | 1 | *Quercus robur*<br>English Oak | 6.0 | 1 | 65 | N E S W<br>0.0 0.0 0.0 0.0 | 0.0 | 0.0 | Mature | Dead | Fallen tree / trees - Whole tree. Not on topographical survey, plotted freehand. | | | 0-10 | U | |
| T849 | 1 | *Quercus robur*<br>English Oak | 9.0 | 1 | 110 | NW NE SE SW<br>10.0 8.0 8.0 10.0 | 4.0 | 2.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. Not on topographical survey, plotted freehand. | 547.4 | 13.2 | 20-40 | B | 2 |
| T850 | 1 | *Quercus robur*<br>English Oak | 7.0 | 1 | 77 | N E S W<br>6.0 7.0 5.0 12.0 | 0.5 | 1.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 268.2 | 9.2 | 20-40 | C | 2 |
| T851 | 1 | *Quercus robur*<br>English Oak | 11.0 | 1 | 94 | N E S W<br>8.0 7.0 7.0 8.0 | 1.0 | 2.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 399.7 | 11.3 | 20-40 | B | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G852 | 200<br>100<br>3<br>3<br>1<br>1 | *Prunus spinosa* Blackthorn/Sloe<br>*Corylus avellana* Common Hazel<br>*Carpinus betulus* Hornbeam<br>*Sambucus nigra* Elder<br>*Acer campestre* Field Maple<br>*Malus sp.* Apple sp. | 6.0 | 5 | 26 | NW 3.0 NE 3.0 SE 3.0 SW 3.0 | 0.5 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. Hedgerow - Neglected / overgrown. Plotted freehand, not on topographical survey. | 32.9 | 3.2 | 10-20 | C | 2 |
| G853 | 18 | *Corylus avellana* Common Hazel | 6.0 | 10 | 25 | N 3.5 E 2.0 S 3.5 W 2.0 | 1.0 | 1.5 | Early Mature | Fair | Plotted freehand, not on topographical survey. | 29.0 | 3.0 | 10-20 | C | 2 |
| G854 | 20<br>16<br>6<br>3 | *Sambucus nigra* Elder<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Prunus spinosa* Blackthorn/Sloe<br>*Ulmus sp.* Elm sp. | 5.0 | 4 | 20 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 19.9 | 2.5 | 10-20 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T855 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 2 | 14 | N 1.5 E 1.5 S 1.5 W 1.5 | 2.0 | 2.0 | Early Mature | Fair | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 9.4 | 1.7 | 10-20 | C | 2 |
| G856 | 24<br>20<br>12 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Prunus spinosa* Blackthorn/Sloe<br>*Sambucus nigra* Elder | 5.0 | 4 | 20 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 19.9 | 2.5 | 10-20 | C | 2 |
| G857 | 4 | *Fraxinus excelsior* Ash | 9.0 | 1 | 25 | N 4.0 E 4.0 S 4.0 W 4.0 | 2.0 | 2.0 | Early Mature | Good | Plotted freehand, not on topographical survey. | 28.3 | 3.0 | 20-40 | B | 2 |
| T858 | 1 | *Quercus robur 'Fastigiata Koster'* English Oak cv. | 6.5 | 1 | 9 | N 0.5 E 0.5 S 0.5 W 0.5 | 0.5 | 0.5 | Semi Mature | Good | Not on topographical survey, plotted freehand. | 3.7 | 1.1 | 20-40 | C | 2 |
| T859 | 1 | *Quercus robur 'Fastigiata Koster'* English Oak cv. | 6.5 | 1 | 9 | N 0.5 E 0.5 S 0.5 W 0.5 | 0.5 | 0.5 | Semi Mature | Good | Not on topographical survey, plotted freehand. | 3.7 | 1.1 | 20-40 | C | 2 |
| T860 | 1 | *Acer negundo* Box Elder (Ash - Leaved) Maple | 4.5 | 1 | 20 | N 2.5 E 2.5 S 2.5 W 2.5 | 2.0 | 2.0 | Early Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 18.1 | 2.4 | 20-40 | B | 2 |
| T861 | 1 | *Fraxinus excelsior* Ash | 8.0 | 1 | 22 | NW 3.0 NE 3.0 SE 3.0 SW 3.0 | 3.0 | 3.0 | Early Mature | Fair | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 21.9 | 2.6 | 20-40 | B | 2 |

# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T862 | 1 | *Fraxinus excelsior* Ash | 5.0 | 1 | 11 | N 2.5 E 1.5 S 1.0 W 2.0 | 2.0 | 2.0 | Semi Mature | Poor | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T863 | 1 | *Cerasus avium* Wild Cherry | 9.0 | 1 | 29 | N 5.0 E 5.0 S 6.0 W 3.0 | 1.5 | 2.0 | Early Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 38.0 | 3.5 | 20-40 | B | 2 |
| G864 | 2<br>2 | *Cerasus avium* Wild Cherry<br>*Fraxinus excelsior* Ash | 6.0 | 1 | 18 | N 3.0 E 3.0 S 3.0 W 3.0 | 2.0 | 2.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 14.7 | 2.2 | 10-20 | C | 2 |
| T865 | 1 | *Alnus cordata* Italian Alder | 13.0 | 1 | 39 | N 4.0 E 4.0 S 4.0 W 4.0 | 1.5 | 2.5 | Early Mature | Good | Base / stems obscured - Vegetation. Ivy or climbing plant. Not on topographical survey, plotted freehand. | 68.8 | 4.7 | 20-40 | B | 2 |
| T866 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.5 | 1 | 15 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.5 | 1.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. Not on topographical survey, plotted freehand. | 10.2 | 1.8 | 10-20 | C | 2 |
| T867 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.5 | 4 | 9 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.5 | 1.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 4.2 | 1.2 | 10-20 | C | 2 |
| G868 | 3 | *Alnus cordata* Italian Alder | 9.0 | 1 | 21 | N 3.0 E 3.0 S 3.0 W 3.0 | 1.5 | 2.0 | Early Mature | Fair | Plotted freehand, not on topographical survey. | 20.0 | 2.5 | 20-40 | B | 2 |
| T869 | 1 | *Alnus cordata* Italian Alder | 13.0 | 1 | 30 | N 3.5 E 4.0 S 3.0 W 3.5 | 1.0 | 3.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 40.7 | 3.6 | 20-40 | B | 2 |

# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T870 | 1 | *Alnus cordata* Italian Alder | 12.5 | 1 | 26 | N 3.0 E 4.5 S 2.0 W 3.5 | 1.5 | 3.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 30.6 | 3.1 | 20-40 | B | 2 |
| T871 | 1 | *Fraxinus excelsior* Ash | 9.0 | 1 | 26 | N 3.0 E 3.0 S 3.0 W 3.0 | 3.5 | 3.0 | Early Mature | Poor | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T872 | 1 | *Fraxinus excelsior* Ash | 10.0 | 1 | 33 | N 5.0 E 4.5 S 5.0 W 4.5 | 2.0 | 3.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 49.3 | 4.0 | 20-40 | B | 2 |
| T873 | 1 | *Fraxinus excelsior* Ash | 10.0 | 1 | 35 | N 5.0 E 5.0 S 4.0 W 3.0 | 3.0 | 2.5 | Early Mature | Fair | | 55.4 | 4.2 | 20-40 | B | 2 |
| T874 | 1 | *Fraxinus excelsior* Ash | 8.5 | 1 | 35 | N 3.0 E 3.5 S 4.0 W 4.0 | 3.0 | 2.5 | Early Mature | Fair | | 55.4 | 4.2 | 10-20 | C | 2 |
| T875 | 1 | *Salix caprea* Goat Willow/Great Sallow | 8.5 | 6 | 58 | N 5.0 E 8.0 S 6.0 W 5.0 | 1.5 | 2.0 | Mature | Good | | 156.3 | 7.1 | 10-20 | C | 2 |
| T876 | 1 | *Salix caprea* Goat Willow/Great Sallow | 9.0 | 3 | 36 | N 5.5 E 4.5 S 1.0 W 4.5 | 2.5 | 2.5 | Early Mature | Fair | | 58.6 | 4.3 | 10-20 | C | 2 |
| T877 | 1 | *Cerasus avium* Wild Cherry | 8.0 | 1 | 31 | N 7.0 E 7.0 S 5.0 W 4.5 | 1.5 | 2.0 | Early Mature | Good | | 43.5 | 3.7 | 20-40 | B | 2 |
| T878 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.5 | 9 | 15 | N 2.5 E 3.0 S 3.0 W 2.0 | 2.0 | 1.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 10.2 | 1.8 | 10-20 | C | 2 |



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# Luton Airport
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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T879 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.5 | 1 | 13 | N 2.0 E 3.0 S 2.0 W 2.0 | 1.5 | 1.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 7.6 | 1.6 | 10-20 | C | 2 |
| T880 | 1 | *Betula pendula* Silver Birch | 15.0 | 1 | 48 | N 4.5 E 5.5 S 4.0 W 5.0 | 1.5 | 2.5 | Early Mature | Good | | 104.2 | 5.8 | 20-40 | B | 2 |
| T881 | 1 | *Betula pendula* Silver Birch | 15.0 | 1 | 34 | N 4.0 E 5.0 S 4.0 W 2.5 | 2.0 | 2.0 | Early Mature | Fair | | 52.3 | 4.1 | 10-20 | C | 2 |
| T882 | 1 | *Cerasus avium* Wild Cherry | 8.0 | 1 | 23 | N 4.0 E 3.0 S 5.0 W 5.0 | 2.5 | 2.0 | Early Mature | Good | | 23.9 | 2.8 | 20-40 | C | 2 |
| T883 | 1 | *Salix sp.* Willow sp. | 4.0 | 8 | 28 | N 4.0 E 4.0 S 3.0 W 4.0 | 1.5 | 1.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 36.2 | 3.4 | 10-20 | C | 2 |
| T884 | 1 | *Fraxinus excelsior* Ash | 8.0 | 1 | 45 | N 5.0 E 5.0 S 5.0 W 5.0 | 2.5 | 2.0 | Early Mature | Good | | 91.6 | 5.4 | 20-40 | B | 2 |
| T885 | 1 | *Fraxinus excelsior* Ash | 10.0 | 1 | 41 | N 5.5 E 6.0 S 5.5 W 4.0 | 2.5 | 3.0 | Early Mature | Fair | Base / stems obscured - Vegetation. | 76.0 | 4.9 | 10-20 | C | 2 |
| T886 | 1 | *Fraxinus excelsior* Ash | 12.0 | 1 | 46 | N 5.0 E 5.5 S 4.0 W 5.0 | 2.5 | 2.0 | Early Mature | Fair | | 95.7 | 5.5 | 20-40 | B | 2 |
| T887 | 1 | *Acer platanoides* Norway Maple | 6.5 | 1 | 27 | N 4.0 E 4.0 S 3.0 W 3.0 | 2.0 | 2.0 | Early Mature | Good | | 33.0 | 3.2 | 20-40 | B | 2 |
| T888 | 1 | *Robinia pseudoacacia* False Acacia sp./Black Locust | 8.5 | 1 | 29 | N 4.0 E 2.0 S 2.0 W 4.0 | 3.0 | 2.0 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T889 | 1 | *Cerasus avium* Wild Cherry | 10.0 | 1 | 22 | N 4.0 E 3.5 S 4.0 W 4.0 | 2.0 | 3.0 | Early Mature | Fair | | 21.9 | 2.6 | 10-20 | C | 2 |
| T890 | 1 | *Acer campestre* Field Maple | 9.0 | 5 | 29 | N 4.0 E 4.0 S 4.0 W 3.0 | 2.0 | 1.5 | Early Mature | Fair | | 38.1 | 3.5 | 10-20 | C | 2 |
| T891 | 1 | *Cerasus avium* Wild Cherry | 10.0 | 1 | 23 | N 2.5 E 4.0 S 4.5 W 4.0 | 2.0 | 2.5 | Early Mature | Good | | 23.9 | 2.8 | 20-40 | B | 2 |
| T892 | 1 | *Cerasus avium* Wild Cherry | 8.0 | 1 | 23 | N 4.0 E 2.0 S 4.5 W 3.0 | 3.0 | 2.0 | Early Mature | Good | Base / stems obscured - Vegetation. Ivy or climbing plant. | 23.9 | 2.8 | 20-40 | C | 2 |
| T893 | 1 | *Salix caprea* Goat Willow/Great Sallow | 8.5 | 10 | 37 | N 4.5 E 3.5 S 3.5 W 3.5 | 2.0 | 1.0 | Early Mature | Good | | 65.1 | 4.6 | 20-40 | C | 2 |
| G894 | 3<br>1 | *Acer campestre* Field Maple<br>*Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 5 | 20 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.0 | 0.5 | Semi Mature | Fair | Plotted freehand, not on topographical survey. | 18.5 | 2.4 | 10-20 | C | 2 |
| T895 | 1 | *Cerasus avium* Wild Cherry | 8.0 | 1 | 24 | N 3.0 E 4.0 S 5.0 W 3.0 | 3.0 | 2.0 | Early Mature | Fair | | 26.1 | 2.9 | 20-40 | C | 2 |
| T896 | 1 | *Salix caprea* Goat Willow/Great Sallow | 8.5 | 1 | 35 | N 2.0 E 4.0 S 5.0 W 4.5 | 1.5 | 1.5 | Early Mature | Good | | 55.4 | 4.2 | 20-40 | C | 2 |
| T897 | 1 | *Fraxinus excelsior* Ash | 9.0 | 1 | 42 | N 5.0 E 6.0 S 5.0 W 7.0 | 2.5 | 2.0 | Early Mature | Good | | 79.8 | 5.0 | 20-40 | B | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T898 | 1 | *Quercus robur 'Fastigiata Koster'*<br>English Oak cv. | 6.0 | 1 | 9 | N E S W<br>0.5 0.5 0.5 0.5 | 3.0 | 2.0 | Semi Mature | Fair | | 3.7 | 1.1 | 10-20 | C | 2 |
| T899 | 1 | *Quercus robur 'Fastigiata Koster'*<br>English Oak cv. | 6.0 | 1 | 8 | N E S W<br>0.5 0.5 0.5 0.5 | 1.0 | 0.5 | Semi Mature | Fair | | 2.9 | 1.0 | 10-20 | C | 2 |
| T900 | 1 | *Fraxinus excelsior*<br>Ash | 11.0 | 1 | 38 | N E S W<br>5.0 5.0 4.5 5.0 | 2.0 | 2.0 | Early Mature | Good | | 65.3 | 4.6 | 20-40 | B | 2 |
| G901 | 6<br>1 | *Acer campestre*<br>Field Maple<br>*Malus sp.*<br>Apple sp. | 6.0 | 1 | 16 | N E S W<br>3.0 3.0 3.0 3.0 | 2.0 | 1.0 | Semi Mature | Fair | Plotted freehand, not on topographical survey. | 11.6 | 1.9 | 10-20 | C | 2 |
| T902 | 1 | *Salix caprea*<br>Goat Willow/Great Sallow | 12.0 | 2 | 54 | N E S W<br>6.0 6.0 6.0 6.0 | 1.5 | 2.0 | Early Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 132.3 | 6.5 | 10-20 | C | 2 |
| T903 | 1 | *Fraxinus excelsior*<br>Ash | 10.0 | 2 | 17 | N E S W<br>3.5 3.0 1.5 1.5 | 2.5 | 3.0 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 14.2 | 2.1 | 10-20 | C | 2 |
| T904 | 1 | *Fagus sylvatica*<br>Common Beech | 10.0 | 1 | 15 | NW NE SE SW<br>0.5 3.5 2.0 1.5 | 2.0 | 3.0 | Early Mature | Fair | Foreign object - Ingrown metal. Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G905 | 9 | *Fagus sylvatica*<br>Common Beech | 12.0 | 1 | 20 | N E S W<br>4.0 3.0 2.0 3.0 | 3.0 | 2.0 | Early Mature | Good | Foreign object - Ingrown metal. Not on topographical survey. Plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.1 | 2.4 | 20-40 | C | 2 |
| T906 | 1 | *Malus sp.*<br>Apple sp. | 11.0 | 1 | 22 | NW NE SE SW<br>3.5 3.0 1.5 2.0 | 2.5 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 21.9 | 2.6 | 10-20 | C | 2 |
| T907 | 1 | *Malus sp.*<br>Apple sp. | 11.0 | 1 | 25 | N E S W<br>4.0 2.0 2.5 3.5 | 3.0 | 2.0 | Early Mature | Fair | | 28.3 | 3.0 | 20-40 | B | 2 |
| T908 | 1 | *Malus sp.*<br>Apple sp. | 6.0 | 1 | 16 | N E S W<br>2.5 3.0 2.0 2.0 | 3.0 | 2.0 | Early Mature | Poor | | 11.6 | 1.9 | 10-20 | C | 2 |
| T909 | 1 | *Malus sp.*<br>Apple sp. | 11.0 | 1 | 23 | N E S W<br>4.0 3.0 2.5 2.5 | 3.0 | 2.0 | Early Mature | Fair | | 23.9 | 2.8 | 10-20 | C | 2 |
| T910 | 1 | *Malus sp.*<br>Apple sp. | 10.0 | 1 | 22 | N E S W<br>3.5 3.0 1.5 3.0 | 4.0 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 21.9 | 2.6 | 20-40 | B | 2 |
| G911 | 15<br>5 | *Prunus sp.*<br>Cherry sp.<br>*Fagus sylvatica*<br>Common Beech | 10.0 | 1 | 15 | N E S W<br>3.5 3.5 3.5 3.5 | 0.5 | 0.5 | Semi Mature | Fair | Foreign object - Ingrown metal. Plotted freehand, not on topographical survey. Dimensions reflect beech in group. | 10.2 | 1.8 | 10-20 | C | 2 |
| T912 | 1 | *Malus sp.*<br>Apple sp. | 9.0 | 1 | 22 | N E S W<br>3.0 2.0 2.0 2.0 | 3.0 | 2.0 | Early Mature | Good | | 21.9 | 2.6 | 20-40 | B | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T913 | 1 | *Malus sp.*<br>Apple sp. | 9.0 | 1 | 22 | N 2.5 E 3.0 S 2.0 W 2.0 | 3.0 | 2.0 | Early Mature | Fair | | 21.9 | 2.6 | 20-40 | B | 2 |
| T914 | 1 | *Malus sp.*<br>Apple sp. | 9.0 | 1 | 22 | N 3.0 E 3.0 S 3.0 W 3.0 | 3.0 | 2.0 | Early Mature | Good | | 21.9 | 2.6 | 20-40 | B | 2 |
| T915 | 1 | *Malus sp.*<br>Apple sp. | 8.0 | 1 | 21 | N 3.0 E 3.0 S 3.0 W 3.0 | 3.0 | 2.0 | Early Mature | Good | | 20.0 | 2.5 | 20-40 | B | 2 |
| T916 | 1 | *Malus sp.*<br>Apple sp. | 6.5 | 1 | 21 | N 2.0 E 2.0 S 3.0 W 2.0 | 3.0 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 20.0 | 2.5 | 20-40 | B | 2 |
| T917 | 1 | *Malus sp.*<br>Apple sp. | 7.0 | 1 | 22 | N 2.0 E 3.0 S 2.0 W 2.0 | 3.0 | 2.0 | Early Mature | Fair | | 21.9 | 2.6 | 10-20 | C | 2 |
| T918 | 1 | *Malus sp.*<br>Apple sp. | 8.0 | 1 | 23 | N 3.0 E 2.5 S 3.0 W 2.0 | 3.0 | 2.0 | Early Mature | Fair | | 23.9 | 2.8 | 10-20 | C | 2 |
| T919 | 1 | *Malus sp.*<br>Apple sp. | 6.0 | 1 | 23 | N 3.0 E 3.0 S 3.0 W 2.5 | 3.0 | 2.0 | Early Mature | Fair | | 23.9 | 2.8 | 10-20 | C | 2 |
| T920 | 1 | *Fraxinus excelsior*<br>Ash | 4.5 | 1 | 13 | N 2.0 E 2.0 S 2.0 W 2.0 | 2.0 | 2.0 | Semi Mature | Fair | | 7.6 | 1.6 | 10-20 | C | 2 |
| T921 | 1 | *Malus sp.*<br>Apple sp. | 4.5 | 1 | 16 | N 2.0 E 2.5 S 2.0 W 2.0 | 3.0 | 1.5 | Semi Mature | Fair | | 11.6 | 1.9 | 10-20 | C | 2 |
| T922 | 1 | *Malus sp.*<br>Apple sp. | 8.0 | 1 | 27 | N 3.0 E 3.0 S 3.0 W 3.0 | 3.0 | 2.0 | Early Mature | Good | | 33.0 | 3.2 | 20-40 | B | 2 |
| T923 | 1 | *Malus sp.*<br>Apple sp. | 6.0 | 1 | 15 | N 2.5 E 2.5 S 2.5 W 2.5 | 2.5 | 2.0 | Early Mature | Good | | 10.2 | 1.8 | 20-40 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T924 | 1 | *Malus sp.* Apple sp. | 8.0 | 1 | 30 | N 3.0 E 3.0 S 3.0 W 3.0 | 3.0 | 2.0 | Early Mature | Good | | 40.7 | 3.6 | 20-40 | B | 2 |
| T925 | 1 | *Malus sp.* Apple sp. | 6.0 | 1 | 22 | N 3.0 E 3.0 S 3.0 W 3.0 | 4.0 | 1.5 | Early Mature | Fair | | 21.9 | 2.6 | 10-20 | C | 2 |
| T926 | 1 | *Malus sp.* Apple sp. | 4.0 | 1 | 10 | N 1.0 E 2.0 S 1.5 W 0.5 | 2.5 | 2.0 | Semi Mature | Dead | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T927 | 1 | *Malus sp.* Apple sp. | 5.0 | 1 | 22 | N 3.0 E 3.0 S 3.0 W 2.5 | 2.5 | 2.0 | Early Mature | Fair | | 21.9 | 2.6 | 10-20 | C | 2 |
| T928 | 1 | *Malus sp.* Apple sp. | 5.0 | 1 | 17 | N 2.0 E 3.0 S 2.0 W 1.5 | 3.0 | 2.0 | Early Mature | Fair | | 13.1 | 2.0 | 10-20 | C | 2 |
| T929 | 1 | *Malus sp.* Apple sp. | 7.0 | 1 | 23 | N 3.0 E 3.0 S 2.0 W 3.0 | 2.5 | 2.0 | Early Mature | Fair | | 23.9 | 2.8 | 10-20 | C | 2 |
| T930 | 1 | *Malus sp.* Apple sp. | 0.2 | 1 | 18 | N 0.0 E 0.0 S 0.0 W 0.0 | 0.0 | 0.0 | Early Mature | Dead | Stump / stumps. | | | 0-10 | U | |
| T931 | 1 | *Malus sp.* Apple sp. | 9.0 | 1 | 23 | N 3.0 E 3.0 S 3.0 W 2.5 | 2.5 | 2.0 | Early Mature | Fair | | 23.9 | 2.8 | 10-20 | C | 2 |
| T932 | 1 | *Malus sp.* Apple sp. | 7.5 | 1 | 23 | N 3.0 E 3.0 S 3.0 W 3.0 | 3.0 | 2.0 | Early Mature | Good | | 23.9 | 2.8 | 20-40 | B | 2 |
| T933 | 1 | *Malus sp.* Apple sp. | 7.5 | 1 | 21 | N 3.0 E 3.0 S 3.0 W 3.0 | 2.5 | 2.0 | Early Mature | Good | | 20.0 | 2.5 | 20-40 | B | 2 |
| T934 | 1 | *Malus sp.* Apple sp. | 7.5 | 1 | 22 | N 3.5 E 3.5 S 3.5 W 3.5 | 2.5 | 2.0 | Early Mature | Good | | 21.9 | 2.6 | 20-40 | B | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T935 | 1 | *Malus sp.*<br>Apple sp. | 8.0 | 1 | 24 | N E S W<br>4.0 4.0 3.5 3.0 | 2.5 | 2.0 | Early Mature | Good | | 26.1 | 2.9 | 20-40 | B | 2 |
| T936 | 1 | *Malus sp.*<br>Apple sp. | 6.0 | 1 | 22 | N E S W<br>4.0 4.0 3.5 2.5 | 2.5 | 2.0 | Early Mature | Good | | 21.9 | 2.6 | 20-40 | B | 2 |
| T937 | 1 | *Malus sp.*<br>Apple sp. | 7.0 | 1 | 25 | N E S W<br>4.0 4.0 3.5 4.0 | 2.5 | 2.0 | Early Mature | Good | | 28.3 | 3.0 | 20-40 | B | 2 |
| T938 | 1 | *Malus sp.*<br>Apple sp. | 8.0 | 1 | 27 | N E S W<br>4.0 4.0 4.0 3.0 | 2.5 | 2.0 | Early Mature | Good | | 33.0 | 3.2 | 20-40 | B | 2 |
| G939 | 4<br><br>1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Sambucus nigra*<br>Elder | 4.0 | 2 | 28 | N E S W<br>2.0 2.0 2.0 2.0 | 1.0 | 0.5 | Early Mature | Good | Trees reduced to 1m. with epicormics.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T940 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 3.0 | 1 | 30 | N E S W<br>1.5 1.5 1.5 1.5 | 1.0 | 1.0 | Early Mature | Good | Tree reduced to 1m. with epicormics.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T941 | 1 | *Malus sp.*<br>Apple sp. | 9.0 | 1 | 26 | N E S W<br>4.0 3.0 3.0 3.0 | 2.5 | 2.0 | Early Mature | Good | | 30.6 | 3.1 | 20-40 | B | 2 |
| T942 | 1 | *Malus sp.*<br>Apple sp. | 9.0 | 1 | 26 | N E S W<br>3.5 4.0 2.0 3.0 | 2.5 | 2.0 | Early Mature | Good | | 30.6 | 3.1 | 20-40 | B | 2 |
| T943 | 1 | *Platanus x hispanica*<br>London Plane | 10.0 | 1 | 35 | N E S W<br>4.5 5.0 5.0 4.0 | 2.5 | 3.0 | Early Mature | Good | | 55.4 | 4.2 | 20-40 | B | 2 |



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# Luton Airport
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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T944 | 1 | *Platanus x hispanica*<br>London Plane | 9.0 | 1 | 38 | N E S W<br>5.0 5.0 5.0 4.0 | 1.5 | 2.0 | Early Mature | Good | | 65.3 | 4.6 | 20-40 | B | 2 |
| T945 | 1 | *Platanus x hispanica*<br>London Plane | 10.0 | 1 | 35 | N E S W<br>5.0 4.5 4.5 4.5 | 2.0 | 2.5 | Early Mature | Good | | 55.4 | 4.2 | 20-40 | B | 2 |
| T946 | 1 | *Platanus x hispanica*<br>London Plane | 10.0 | 1 | 36 | N E S W<br>5.0 4.5 4.5 4.5 | 2.0 | 2.5 | Early Mature | Good | | 58.6 | 4.3 | 20-40 | B | 2 |
| G947 | 14 | *Laurocerasus officinalis*<br>Cherry Laurel | 2.0 | 6 | 9 | N E S W<br>1.0 1.0 1.0 1.0 | 0.5 | 0.5 | Semi Mature | Good | Plotted freehand, not on topographical survey. | 4.3 | 1.2 | 10-20 | C | 2 |
| G948 | 45 | *Laurocerasus officinalis*<br>Cherry Laurel | 2.5 | 4 | 14 | N E S W<br>2.0 1.5 1.0 1.5 | 0.5 | 0.5 | Semi Mature | Good | | 9.0 | 1.7 | 10-20 | C | 2 |
| G949 | 35<br>35<br>20 | *Fraxinus excelsior*<br>Ash<br>*Prunus sp.*<br>Cherry sp.<br>*Laurocerasus officinalis*<br>Cherry Laurel | 5.0 | 1 | 13 | N E S W<br>2.0 2.0 2.0 2.0 | 1.5 | 1.0 | Semi Mature | Fair | Dimensions reflect ash in group. | 7.6 | 1.6 | 10-20 | C | 2 |
| G950 | 10<br>7 | *Laurocerasus officinalis*<br>Cherry Laurel<br>*Prunus sp.*<br>Cherry sp. | 5.0 | 4 | 17 | N E S W<br>2.0 2.0 1.5 2.0 | 0.0 | 0.5 | Early Mature | Good | | 13.6 | 2.1 | 10-20 | C | 2 |
| G951 | 7 | *Prunus sp.*<br>Cherry sp. | 4.0 | 3 | 12 | N E S W<br>1.0 1.0 1.0 1.0 | 1.0 | 0.5 | Semi Mature | Dead | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G952 | 45<br>5<br>5 | *Laurocerasus officinalis*<br>Cherry Laurel<br>*unrecognized*<br>Unrecognised<br>*Prunus sp.*<br>Cherry sp. | 4.5 | 3 | 17 | N E S W<br>2.0 1.5 1.5 1.5 | 0.0 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. | 13.9 | 2.1 | 10-20 | C | 2 |
| T953 | 1 | *Fagus sylvatica*<br>Common Beech | 7.0 | 1 | 21 | N E S W<br>4.5 4.0 4.5 2.5 | 2.0 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 20.0 | 2.5 | 20-40 | B | 2 |
| T954 | 1 | *Cerasus avium*<br>Wild Cherry | 7.0 | 2 | 20 | N E S W<br>4.0 4.5 4.0 2.5 | 1.5 | 2.5 | Early Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 19.6 | 2.5 | 10-20 | C | 2 |
| T955 | 1 | *Tilia sp.*<br>Lime sp. | 9.0 | 1 | 33 | N E S W<br>4.0 5.0 5.0 4.5 | 1.5 | 3.5 | Early Mature | Fair | | 49.3 | 4.0 | 20-40 | B | 2 |
| T956 | 1 | *Tilia sp.*<br>Lime sp. | 9.0 | 1 | 34 | N E S W<br>4.0 4.0 4.0 4.0 | 1.5 | 4.0 | Early Mature | Fair | | 52.3 | 4.1 | 20-40 | B | 2 |
| T957 | 1 | *Tilia sp.*<br>Lime sp. | 6.5 | 1 | 30 | N E S W<br>4.0 3.5 3.5 3.0 | 1.5 | 2.0 | Early Mature | Fair | | 40.7 | 3.6 | 20-40 | C | 2 |
| T958 | 1 | *Platanus x hispanica*<br>London Plane | 10.0 | 1 | 39 | N E S W<br>5.5 5.5 5.5 6.0 | 1.5 | 3.0 | Early Mature | Good | | 68.8 | 4.7 | 20-40 | B | 2 |
| T959 | 1 | *Tilia sp.*<br>Lime sp. | 8.0 | 1 | 31 | N E S W<br>4.0 5.0 3.5 4.0 | 2.5 | 2.0 | Early Mature | Good | | 43.5 | 3.7 | 20-40 | B | 2 |
| T960 | 1 | *Betula pendula*<br>Silver Birch | 11.0 | 3 | 27 | N E S W<br>4.0 4.5 2.0 3.0 | 2.0 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 33.9 | 3.3 | 10-20 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T961 | 1 | *Pinus sylvestris* Scots Pine | 7.0 | 1 | 26 | N 3.5 E 3.5 S 3.0 W 3.0 | 1.5 | 0.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 30.6 | 3.1 | 20-40 | C | 2 |
| T962 | 1 | *Pinus sylvestris* Scots Pine | 7.0 | 1 | 27 | N 3.0 E 4.5 S 2.5 W 3.0 | 2.0 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 33.0 | 3.2 | 20-40 | C | 2 |
| T963 | 1 | *Betula pendula* Silver Birch | 7.0 | 2 | 27 | N 4.5 E 3.0 S 3.5 W 3.0 | 2.0 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 35.0 | 3.3 | 10-20 | C | 2 |
| T964 | 1 | *Platanus x hispanica* London Plane | 10.0 | 1 | 43 | N 7.5 E 7.5 S 7.5 W 7.5 | 2.0 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 83.6 | 5.2 | 20-40 | B | 2 |
| T965 | 1 | *Pinus sylvestris* Scots Pine | 9.0 | 1 | 29 | N 2.0 E 2.0 S 2.0 W 3.0 | 2.5 | 3.0 | Early Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 38.0 | 3.5 | 20-40 | B | 2 |
| T966 | 1 | *Pinus sylvestris* Scots Pine | 4.5 | 1 | 15 | N 2.0 E 1.5 S 2.5 W 2.0 | 2.0 | 2.0 | Semi Mature | Poor | Not on topographical survey, plotted freehand. | 10.2 | 1.8 | 10-20 | C | 2 |
| G967 | 2 | *Sorbus aucuparia* Rowan/Mountain Ash | 4.0 | 1 | 13 | N 2.0 E 2.0 S 2.0 W 2.0 | 2.0 | 2.5 | Semi Mature | Poor | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 7.6 | 1.6 | 10-20 | C | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G968 | 2<br>2<br>1<br>1<br>1<br>1<br>1 | *Betula pendula*<br>Silver Birch<br>*Carpinus betulus*<br>Hornbeam<br>*Platanus x hispanica*<br>London Plane<br>*Sorbus aucuparia*<br>Rowan/Mountain Ash<br>*Sorbus intermedia*<br>Swedish Whitebeam<br>*Fraxinus excelsior*<br>Ash<br>*Acer platanoides*<br>Norway Maple | 10.0 | 1 | 30 | N 6.0 E 6.0 S 6.0 W 6.0 | 2.0 | 2.0 | Early Mature | Good | Plotted freehand, not on topographical survey. | 40.7 | 3.6 | 20-40 | B | 2 |
| T969 | 1 | *Sorbus aucuparia*<br>Rowan/Mountain Ash | 6.0 | 1 | 11 | N 2.5 E 3.5 S 2.5 W 2.5 | 3.0 | 2.0 | Semi Mature | Poor | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T970 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 5.0 | 1 | 17 | N 2.5 E 2.5 S 2.5 W 2.5 | 2.5 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 13.1 | 2.0 | 10-20 | C | 2 |
| G971 | 2<br>1 | *Carpinus betulus*<br>Hornbeam<br>*Sorbus aucuparia*<br>Rowan/Mountain Ash | 9.0 | 1 | 32 | N 7.0 E 4.0 S 5.0 W 4.0 | 2.0 | 2.0 | Early Mature | Good | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 46.3 | 3.8 | 20-40 | B | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T972 | 1 | *Carpinus betulus* Hornbeam | 6.5 | 1 | 30 | N 4.5 E 5.0 S 4.5 W 5.0 | 2.0 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 40.7 | 3.6 | 20-40 | B | 2 |
| T973 | 1 | *Sorbus intermedia* Swedish Whitebeam | 6.0 | 1 | 37 | N 4.0 E 4.0 S 4.0 W 4.0 | 1.0 | 1.5 | Early Mature | Good | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 61.9 | 4.4 | 20-40 | B | 2 |
| T974 | 1 | *Betula pendula* Silver Birch | 8.0 | 1 | 17 | N 2.0 E 3.0 S 3.0 W 2.0 | 2.0 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 13.1 | 2.0 | 10-20 | C | 2 |
| T975 | 1 | *Betula pendula* Silver Birch | 9.0 | 1 | 24 | N 4.0 E 3.5 S 3.0 W 3.0 | 2.0 | 2.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 26.1 | 2.9 | 10-20 | C | 2 |
| T976 | 1 | *Sorbus aucuparia* Rowan/Mountain Ash | 4.0 | 1 | 14 | N 2.0 E 3.0 S 2.5 W 2.0 | 2.5 | 2.0 | Early Mature | Poor | Not on topographical survey, plotted freehand. | 8.9 | 1.7 | 10-20 | C | 2 |
| T977 | 1 | *Sorbus aucuparia* Rowan/Mountain Ash | 4.0 | 1 | 9 | N 2.0 E 2.0 S 2.0 W 2.0 | 2.5 | 2.0 | Semi Mature | Poor | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 3.7 | 1.1 | 10-20 | C | 2 |
| T978 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 5.0 | 1 | 21 | N 3.0 E 3.0 S 3.0 W 3.0 | 2.5 | 1.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 20.0 | 2.5 | 10-20 | C | 2 |
| T979 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 5.0 | 1 | 23 | N 2.5 E 3.5 S 3.0 W 3.5 | 2.5 | 1.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 23.9 | 2.8 | 10-20 | C | 2 |
| T980 | 1 | *Sorbus aucuparia* Rowan/Mountain Ash | 4.0 | 1 | 11 | N 2.0 E 2.0 S 2.0 W 2.0 | 2.5 | 2.0 | Semi Mature | Poor | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 5.5 | 1.3 | 10-20 | C | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T981 | 1 | *Betula pendula*<br>Silver Birch | 9.0 | 1 | 19 | NW 3.0 NE 3.0 SE 2.5 SW 2.0 | 1.5 | 3.0 | Early Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 16.3 | 2.3 | 20-40 | B | 2 |
| G982 | 12 | *Ilex aquifolium*<br>Holly | 4.0 | 3 | 11 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Young | Good | Plotted freehand, not on topographical survey. | 6.2 | 1.4 | 20-40 | C | 2 |
| T983 | 1 | *Carpinus betulus*<br>Hornbeam | 6.0 | 3 | 25 | N 3.5 E 4.0 S 3.0 W 3.0 | 1.5 | 1.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 29.6 | 3.1 | 20-40 | B | 2 |
| G984 | 3<br>1<br>1 | *Laurocerasus lusitanica*<br>Portugal Laurel<br>*Sambucus nigra*<br>Elder<br>*Sorbus aucuparia*<br>Rowan/Mountain Ash | 6.0 | 3 | 19 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 17.6 | 2.4 | 10-20 | C | 2 |
| T985 | 1 | *Sorbus intermedia*<br>Swedish Whitebeam | 6.0 | 1 | 27 | N 3.5 E 3.5 S 3.5 W 3.5 | 2.0 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 33.0 | 3.2 | 20-40 | B | 2 |
| T986 | 1 | *Sorbus aucuparia*<br>Rowan/Mountain Ash | 3.5 | 1 | 10 | N 2.0 E 2.5 S 2.0 W 2.0 | 1.5 | 1.5 | Semi Mature | Fair | Not on topographical survey, plotted freehand. | 4.5 | 1.2 | 10-20 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G987 | 10<br>2<br>1<br>1<br>1 | *Laurocerasus lusitanica* Portugal Laurel<br>*Sambucus nigra* Elder<br>*Acer platanoides* Norway Maple<br>*Cerasus avium* Wild Cherry<br>*Sorbus aucuparia* Rowan/Mountain Ash | 6.0 | 1 | 12 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.0 | 0.5 | Early Mature | Good | Plotted freehand, not on topographical survey. | 6.5 | 1.4 | 20-40 | C | 2 |
| T988 | 1 | *Betula pendula* Silver Birch | 9.0 | 1 | 19 | NW 3.0 NE 4.0 SE 3.0 SW 2.5 | 2.0 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 16.3 | 2.3 | 10-20 | C | 2 |
| G989 | 5 | *Laurocerasus lusitanica* Portugal Laurel | 3.0 | 3 | 6 | N 1.0 E 1.0 S 1.0 W 1.0 | 0.5 | 0.5 | Semi Mature | Good | Plotted freehand, not on topographical survey. | 2.2 | 0.8 | 20-40 | C | 2 |
| G990 | 4<br>3<br>1 | *Prunus spinosa* Blackthorn/Sloe<br>*Sambucus nigra* Elder<br>*Sorbus aucuparia* Rowan/Mountain Ash | 4.0 | 4 | 12 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Semi Mature | Fair | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 6.5 | 1.4 | 10-20 | C | 2 |
| T991 | 1 | *Sorbus intermedia* Swedish Whitebeam | 4.0 | 1 | 20 | N 3.0 E 3.0 S 3.0 W 3.0 | 1.5 | 2.0 | Early Mature | Fair | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 18.1 | 2.4 | 20-40 | B | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G992 | 8<br>1 | *Pyracantha sp.* Pyracantha<br>*Sambucus nigra* Elder | 4.0 | 4 | 10 | N E S W<br>1.5 1.5 1.5 1.5 | 0.5 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 4.7 | 1.2 | 10-20 | C | 2 |
| T993 | 1 | *Sorbus aucuparia* Rowan/Mountain Ash | 6.0 | 3 | 28 | N E S W<br>3.5 3.5 3.5 3.5 | 0.5 | 0.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 36.1 | 3.4 | 10-20 | C | 2 |
| G994 | 1<br>1 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Laurocerasus lusitanica* Portugal Laurel | 6.0 | 3 | 28 | N E S W<br>4.0 4.0 4.0 4.0 | 0.0 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. Ivy or climbing plant. Plotted freehand, not on topographical survey. | 37.8 | 3.5 | 20-40 | B | 2 |
| T995 | 1 | *Sorbus aucuparia* Rowan/Mountain Ash | 4.5 | 1 | 9 | N E S W<br>1.0 1.0 1.5 2.0 | 2.5 | 1.5 | Semi Mature | Fair | Base / stems obscured - Structure. Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 3.7 | 1.1 | 10-20 | C | 2 |
| G996 | 5<br>2<br>1 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Quercus robur* English Oak<br>*Acer pseudoplatanus* Sycamore | 6.0 | 1 | 14 | N E S W<br>2.5 2.5 2.5 2.5 | 3.0 | 1.5 | Semi Mature | Fair | Base / stems obscured - Structure. Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. Dimensions reflect oak and sycamore in group. | 8.9 | 1.7 | 20-40 | C | 2 |
| T997 | 1 | *Sorbus intermedia* Swedish Whitebeam | 5.0 | 1 | 16 | N E S W<br>2.5 2.5 2.5 2.5 | 2.5 | 2.0 | Early Mature | Fair | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 11.6 | 1.9 | 10-20 | C | 2 |
| T998 | 1 | *Sorbus intermedia* Swedish Whitebeam | 5.0 | 1 | 25 | N E S W<br>2.5 2.5 2.5 2.5 | 2.0 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 28.3 | 3.0 | 10-20 | C | 2 |

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# Tree Survey BS5837-2012

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T999 | 1 | *Sorbus intermedia* Swedish Whitebeam | 5.5 | 2 | 34 | N 3.5 E 4.0 S 3.0 W 3.5 | 2.5 | 1.0 | Early Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 54.4 | 4.2 | 10-20 | C | 2 |
| T1000 | 1 | *Platanus x hispanica* London Plane | 9.0 | 1 | 38 | N 6.0 E 7.0 S 6.0 W 5.0 | 2.5 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 65.3 | 4.6 | 20-40 | B | 2 |
| T1001 | 1 | *Sorbus aucuparia* Rowan/Mountain Ash | 4.5 | 1 | 10 | N 2.0 E 2.0 S 2.0 W 2.0 | 2.0 | 2.0 | Semi Mature | Poor | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 4.5 | 1.2 | 10-20 | C | 2 |
| T1002 | 1 | *Carpinus betulus* Hornbeam | 4.5 | 3 | 18 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.0 | 1.0 | Early Mature | Good | Base / stems obscured - Vegetation. Ivy or climbing plant. Not on topographical survey, plotted freehand. | 15.7 | 2.2 | 20-40 | B | 2 |
| G1003 | 1<br>1 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Salix sp.* Willow sp. | 5.0 | 2 | 20 | N 2.5 E 2.5 S 2.5 W 2.5 | 2.0 | 1.5 | Early Mature | Fair | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. | 19.0 | 2.5 | 10-20 | C | 2 |
| G1004 | 2 | *Sorbus aucuparia* Rowan/Mountain Ash | 8.0 | 1 | 18 | N 3.5 E 3.5 S 3.5 W 3.5 | 2.5 | 2.0 | Early Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 14.7 | 2.2 | 20-40 | B | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1005 | 15<br>10<br>8<br>3<br>2<br>1 | *Cotoneaster sp.* Tree Cotoneaster<br>*Laurocerasus lusitanica* Portugal Laurel<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Fraxinus excelsior* Ash<br>*Acer campestre* Field Maple<br>*Cerasus avium* Wild Cherry | 5.0 | 1 | 15 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.0 | 1.0 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 10.2 | 1.8 | 10-20 | C | 2 |
| G1006 | 2<br>2<br>1<br>1<br>1 | *Buddleja sp.* Buddleja<br>*Salix caprea* Goat Willow/Great Sallow<br>*Fraxinus excelsior* Ash<br>*Sambucus nigra* Elder<br>*Tilia sp.* Lime sp. | 4.5 | 2 | 22 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.5 | 1.5 | Early Mature | Good | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 23.5 | 2.7 | 20-40 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1007 | 2<br>2 | *Sorbus aria* Whitebeam<br>*Fraxinus ornus* Manna Ash | 4.5 | 1 | 10 | N E S W<br>1.5 1.5 1.5 1.5 | 2.0 | 2.0 | Semi Mature | Fair | Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 4.5 | 1.2 | 10-20 | C | 2 |
| G1008 | 18<br>3<br>1<br>1<br>1<br>1<br>1 | *Laurocerasus officinalis* Cherry Laurel<br>*Acer campestre* Field Maple<br>*Cerasus avium* Wild Cherry<br>*Sorbus intermedia* Swedish Whitebeam<br>*Acer platanoides* Norway Maple<br>*Acer saccharinum* Silver Maple<br>*Sambucus nigra* Elder | 6.0 | 1 | 30 | N E S W<br>3.0 3.0 3.0 3.0 | 0.0 | 2.0 | Early Mature | Good | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey. CAVAT Amenity Factor -50% applied to reflect that over 50% of group is laurel.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 40.7 | 3.6 | 20-40 | B | 2 |
| G1009 | 2 | *Cerasus avium* Wild Cherry | 5.0 | 1 | 20 | N E S W<br>4.0 4.0 4.0 4.0 | 1.5 | 2.0 | Early Mature | Good | Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.1 | 2.4 | 20-40 | B | 2 |



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# Luton Airport
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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1010 | 4<br>3<br>1<br>1 | *Pinus sylvestris* Scots Pine<br>*Cotoneaster sp.* Tree Cotoneaster<br>*Acer campestre* Field Maple<br>*Cerasus avium* Wild Cherry | 7.0 | 1 | 25 | N 3.0 E 3.0 S 3.0 W 3.0 | 2.0 | 1.5 | Early Mature | Fair | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 28.3 | 3.0 | 20-40 | B | 2 |
| T1011 | 1 | *Acer saccharinum* Silver Maple | 10.0 | 1 | 43 | N 5.0 E 5.5 S 5.0 W 5.5 | 2.0 | 2.5 | Early Mature | Good | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 83.6 | 5.2 | 20-40 | B | 2 |
| T1012 | 1 | *Acer saccharinum* Silver Maple | 10.0 | 1 | 38 | N 5.5 E 6.5 S 5.5 W 5.5 | 2.0 | 2.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 65.3 | 4.6 | 10-20 | C | 2 |
| T1013 | 1 | *Acer pseudoplatanus* Sycamore | 4.0 | 1 | 12 | N 2.0 E 2.0 S 2.0 W 1.5 | 2.5 | 2.0 | Semi Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 6.5 | 1.4 | 10-20 | C | 2 |
| G1014 | 3<br>1<br>1 | *Sorbus intermedia* Swedish Whitebeam<br>*Acer campestre* Field Maple<br>*Prunus spinosa* Blackthorn/Sloe | 6.0 | 1 | 24 | N 3.5 E 3.5 S 3.5 W 3.5 | 1.5 | 2.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 26.1 | 2.9 | 20-40 | B | 2 |
| T1015 | 1 | *Cerasus avium* Wild Cherry | 5.5 | 1 | 21 | N 2.5 E 3.0 S 3.0 W 2.5 | 3.0 | 2.0 | Early Mature | Poor | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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# Luton Airport
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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1016 | 1 | *Cerasus avium*<br>Wild Cherry | 5.0 | 1 | 24 | N E S W<br>2.5 3.5 3.5 1.5 | 3.0 | 2.0 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 26.1 | 2.9 | 10-20 | C | 2 |
| G1017 | 4<br>4<br>2<br>1 | *Acer campestre*<br>Field Maple<br>*Sorbus intermedia*<br>Swedish Whitebeam<br>*Cerasus avium*<br>Wild Cherry<br>*Cotoneaster sp.*<br>Tree Cotoneaster | 8.0 | 1 | 25 | N E S W<br>3.5 3.5 3.5 3.5 | 2.0 | 2.0 | Early Mature | Good | Base / stems obscured - Vegetation.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 28.3 | 3.0 | 20-40 | B | 2 |
| T1018 | 1 | *Betula pendula*<br>Silver Birch | 6.0 | 1 | 25 | N E S W<br>3.5 3.0 3.5 4.0 | 2.0 | 1.5 | Early Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 28.3 | 3.0 | 20-40 | B | 2 |
| G1019 | 10<br>1<br>1<br>1 | *Laurocerasus officinalis*<br>Cherry Laurel<br>*Betula pendula 'Laciniata'*<br>Silver Birch cv.<br>*Betula pendula 'Pendula'*<br>Weeping Silver Birch<br>*Sorbus intermedia*<br>Swedish Whitebeam | 6.0 | 1 | 18 | N E S W<br>2.5 2.5 2.5 2.5 | 0.5 | 1.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Dimensions reflect birch in group. Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 14.7 | 2.2 | 10-20 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1020 | 1 | *Acer platanoides*<br>Norway Maple | 6.5 | 1 | 31 | N 4.0 E 4.5 S 4.0 W 3.0 | 2.0 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 43.5 | 3.7 | 20-40 | B | 2 |
| G1021 | 12 | *Cupressus sp.*<br>Cypress sp. | 6.0 | 1 | 15 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 1.0 | Early Mature | Good | Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 10.2 | 1.8 | 20-40 | C | 2 |
| T1022 | 1 | *Malus sp.*<br>Apple sp. | 5.0 | 3 | 28 | N 3.5 E 4.0 S 4.5 W 3.5 | 1.0 | 1.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 37.0 | 3.4 | 40+ | B | 2 |
| T1023 | 1 | *Cerasus avium*<br>Wild Cherry | 7.5 | 5 | 29 | N 4.5 E 6.0 S 6.0 W 4.0 | 2.0 | 1.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 38.8 | 3.5 | 10-20 | C | 2 |
| G1024 | 2 | *Laburnum anagyroides*<br>Common Laburnum (Golden Chain) | 5.5 | 1 | 12 | N 2.0 E 2.0 S 2.0 W 2.0 | 3.0 | 1.5 | Semi Mature | Fair | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 6.5 | 1.4 | 10-20 | C | 2 |
| T1025 | 1 | *Laburnum anagyroides*<br>Common Laburnum (Golden Chain) | 6.5 | 2 | 23 | N 2.5 E 2.5 S 3.0 W 4.0 | 1.5 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 24.7 | 2.8 | 20-40 | C | 2 |
| T1026 | 1 | *Sambucus nigra*<br>Elder | 4.0 | 5 | 21 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.5 | 1.5 | Early Mature | Fair | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1027 | 1 | *Betula pendula*<br>Silver Birch | 8.0 | 3 | 22 | N E S W<br>4.0 3.0 4.0 3.5 | 0.0 | 0.5 | Early Mature | Good | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 22.5 | 2.7 | 10-20 | C | 2 |
| T1028 | 1 | *Sambucus nigra*<br>Elder | 3.5 | 5 | 15 | N E S W<br>2.0 2.0 2.0 2.0 | 1.5 | 1.5 | Early Mature | Fair | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T1029 | 1 | *Prunus sp.*<br>Cherry sp. | 2.5 | 1 | 9 | N E S W<br>1.5 1.5 1.5 1.5 | 1.5 | 1.0 | Semi Mature | Fair | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 3.7 | 1.1 | 10-20 | C | 2 |
| G1030 | 2 | *Prunus sp.*<br>Cherry sp. | 3.5 | 1 | 13 | NW NE SE SW<br>1.5 3.5 1.5 1.5 | 1.5 | 1.0 | Semi Mature | Fair | Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 7.6 | 1.6 | 10-20 | C | 2 |
| G1031 | 4<br>3<br>3<br>2 | *Fagus sylvatica*<br>Common Beech<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Sorbus intermedia*<br>Swedish Whitebeam<br>*Sorbus aria*<br>Whitebeam | 7.5 | 1 | 15 | NW NE SE SW<br>1.5 2.5 1.5 2.5 | 3.0 | 1.0 | Early Mature | Good | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 10.2 | 1.8 | 20-40 | B | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1032 | 2<br>1<br>1 | *Acer platanoides*<br>Norway Maple<br>*Malus sp.*<br>Apple sp.<br>*Fagus sylvatica*<br>Common Beech | 6.0 | 1 | 22 | N E S W<br>3.5 3.5 3.5 3.5 | 1.5 | 1.5 | Early Mature | Good | Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 21.9 | 2.6 | 20-40 | B | 2 |
| T1033 | 1 | *Malus sp.*<br>Apple sp. | 4.0 | 1 | 9 | N E S W<br>2.0 2.0 3.5 2.5 | 1.5 | 0.5 | Semi Mature | Good | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 3.7 | 1.1 | 20-40 | C | 2 |
| G1034 | 2 | *Acer pseudoplatanus*<br>Sycamore | 7.0 | 1 | 27 | N E S W<br>4.5 4.5 4.5 4.5 | 1.5 | 2.0 | Early Mature | Good | Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 33.0 | 3.2 | 40+ | B | 2 |
| G1035 | 2 | *Sorbus intermedia*<br>Swedish Whitebeam | 8.0 | 1 | 39 | N E S W<br>4.5 4.5 4.5 4.5 | 1.5 | 1.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 68.8 | 4.7 | 20-40 | B | 2 |
| G1036 | 2 | *Cupressus sp.*<br>Cypress sp. | 12.0 | 1 | 55 | N E S W<br>4.5 4.5 4.5 4.5 | 0.5 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 136.8 | 6.6 | 20-40 | B | 2 |
| G1037 | 3 | *Prunus cerasifera*<br>Cherry Plum (Myrobalan) | 6.0 | 1 | 24 | N E S W<br>4.0 4.0 4.0 4.0 | 2.0 | 2.0 | Early Mature | Good | Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 26.1 | 2.9 | 20-40 | B | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1038 | 2<br>1 | *Acer campestre* Field Maple<br>*Sorbus intermedia* Swedish Whitebeam | 7.0 | 1 | 38 | N E S W<br>5.0 5.0 5.0 5.0 | 2.0 | 2.0 | Early Mature | Good | Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 65.3 | 4.6 | 20-40 | B | 2 |
| G1039 | 2 | *Acer platanoides* Norway Maple | 8.0 | 2 | 28 | N E S W<br>4.0 4.0 4.0 4.0 | 1.5 | 2.0 | Early Mature | Good | Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 37.0 | 3.4 | 20-40 | B | 2 |
| G1040 | 2 | *Sorbus aria* Whitebeam | 8.0 | 1 | 33 | N E S W<br>3.5 3.5 3.5 3.5 | 2.0 | 2.0 | Early Mature | Good | Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 49.3 | 4.0 | 20-40 | B | 2 |
| G1041 | 2<br>1 | *Sorbus aria* Whitebeam<br>*Acer campestre* Field Maple | 8.0 | 1 | 32 | N E S W<br>4.0 4.0 4.0 4.0 | 1.5 | 2.0 | Early Mature | Good | Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 46.3 | 3.8 | 20-40 | B | 2 |
| T1042 | 1 | *Cupressus sp.* Cypress sp. | 10.0 | 4 | 58 | N E S W<br>4.5 5.0 4.5 4.5 | 0.0 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 152.2 | 7.0 | 20-40 | B | 2 |
| G1043 | 1<br>1 | *Sorbus intermedia* Swedish Whitebeam<br>*Acer campestre* Field Maple | 7.0 | 1 | 30 | N E S W<br>4.5 4.5 4.5 4.5 | 1.5 | 2.0 | Early Mature | Good | Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 40.7 | 3.6 | 20-40 | B | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1044 | 2 | *Malus sp.*<br>Apple sp. | 6.0 | 1 | 34 | N 4.5 E 4.5 S 4.5 W 4.5 | 1.5 | 2.0 | Early Mature | Good | Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 52.3 | 4.1 | 20-40 | B | 2 |
| G1045 | 2 | *Sorbus aucuparia*<br>Rowan/Mountain Ash | 6.0 | 1 | 20 | N 3.5 E 3.5 S 3.5 W 3.5 | 2.0 | 2.0 | Early Mature | Fair | Plotted freehand, not on topographical survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.1 | 2.4 | 10-20 | C | 2 |
| T1046 | 1 | *Cupressus sp.*<br>Cypress sp. | 12.0 | 1 | 75 | N 6.0 E 6.0 S 6.0 W 6.0 | 1.5 | 1.0 | Early Mature | Good | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 254.5 | 9.0 | 20-40 | B | 2 |
| T1047 | 1 | *Cotoneaster sp.*<br>Tree Cotoneaster | 6.0 | 7 | 37 | N 5.0 E 6.0 S 6.0 W 5.0 | 1.0 | 0.5 | Early Mature | Good | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 62.1 | 4.4 | 10-20 | C | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1048 | 34<br>32<br>3<br>1<br>1 | *Salix caprea* Goat Willow/Great Sallow<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Sambucus nigra* Elder<br>*Acer pseudoplatanus* Sycamore<br>*Cerasus avium* Wild Cherry | 12.0 | 5 | 44 | N 5.0 E 5.0 S 5.0 W 5.0 | 1.0 | 0.5 | Mature | Fair | Die-back - Throughout crown. Deadwood - Major. Decay / structural defect - Principal stems. Fallen tree / trees - Whole tree. Shedding limb / limbs - Recent. Willow copse in water-logged area in valley running southwest to northeast. Steep slope to southeast of group with gentler slope to northwest. Storm Ciara has caused some stem/limbs to fail. Many trees have dieback throughout crown. Hawthorn understory around edges.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 90.5 | 5.4 | 10-20 | C | 2 |
| T1049 | 1 | *Salix caprea* Goat Willow/Great Sallow | 14.0 | 9 | 54 | N 7.0 E 6.0 S 7.0 W 5.0 | 0.5 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 131.9 | 6.5 | 20-40 | B | 2 |
| T1050 | 1 | *Salix caprea* Goat Willow/Great Sallow | 8.0 | 7 | 44 | N 6.0 E 6.0 S 6.0 W 6.0 | 0.5 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 91.5 | 5.4 | 20-40 | B | 2 |
| T1051 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.5 | 8 | 16 | N 1.5 E 3.0 S 3.0 W 1.5 | 1.0 | 0.5 | Semi Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 13.0 | 2.0 | 20-40 | C | 2 |
| T1052 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 5.0 | 2 | 18 | N 3.0 E 2.0 S 3.0 W 3.0 | 1.0 | 1.0 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 15.7 | 2.2 | 10-20 | C | 2 |
| T1053 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 5.0 | 2 | 18 | N 3.0 E 3.0 S 3.0 W 2.0 | 1.0 | 1.0 | Early Mature | Fair | Decay / structural defect - Principal stems.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 15.7 | 2.2 | 10-20 | C | 2 |

# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1054 | 4<br><br>1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Malus sp.*<br>Apple sp. | 4.5 | 1 | 18 | N 3.0 E 3.0 S 3.0 W 3.0 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 14.7 | 2.2 | 20-40 | C | 2 |
| T1055 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 4.0 | 5 | 15 | N 1.0 E 3.0 S 2.5 W 1.5 | 0.5 | 0.5 | Semi Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 11.1 | 1.9 | 10-20 | C | 2 |
| T1056 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 6.0 | 6 | 24 | N 3.5 E 4.0 S 4.0 W 3.0 | 1.0 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 27.1 | 2.9 | 20-40 | C | 2 |
| T1057 | 1 | *Malus sp.*<br>Apple sp. | 4.5 | 6 | 29 | N 4.0 E 4.0 S 3.5 W 3.5 | 1.0 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 39.1 | 3.5 | 20-40 | C | 2 |
| T1058 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 3.5 | 2 | 15 | N 1.0 E 0.0 S 2.0 W 3.0 | 0.5 | 1.0 | Early Mature | Poor | Partially uprooted.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T1059 | 1 | *Prunus cerasifera*<br>Cherry Plum (Myrobalan) | 9.0 | 2 | 38 | N 5.0 E 4.5 S 4.0 W 4.5 | 0.5 | 1.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 66.8 | 4.6 | 20-40 | B | 2 |
| T1060 | 1 | *Salix caprea*<br>Goat Willow/Great Sallow | 11.0 | 1 | 50 | N 8.0 E 6.0 S 4.0 W 5.0 | 0.0 | 0.5 | Mature | Fair | Fallen tree / trees - Whole tree.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T1061 | 1 | *Fraxinus excelsior*<br>Ash | 16.0 | 1 | 44 | NW 6.0 NE 6.0 SE 7.0 SW 6.0 | 1.0 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 87.6 | 5.3 | 40+ | B | 2 |

# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1062 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 5.0 | 5 | 17 | N E S W<br>1.0 1.0 2.0 2.0 | 0.5 | 0.5 | Semi Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 14.5 | 2.1 | 10-20 | C | 2 |
| T1063 | 1 | *Populus nigra*<br>Black Poplar | 22.0 | 2 | 99 | N E S W<br>12.0 10.0 8.0 17.0 | 0.0 | 2.0 | Mature | Fair | Decay / structural defect - Principal stems. Fork - Cracked. Shedding limb / limbs - Historic. Shedding limb / limbs - Major.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 444.8 | 11.9 | 10-20 | C | 2 |
| G1064 | 3 | *Acer pseudoplatanus*<br>Sycamore | 16.0 | 3 | 62 | N E S W<br>7.0 7.0 7.0 7.0 | 1.5 | 2.0 | Early Mature | Fair | Fork - Weak with included bark. Multi-stemmed.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 175.9 | 7.5 | 10-20 | C | 2 |
| G1065 | 15<br>15<br>12<br>5<br>1 | *Sambucus nigra*<br>Elder<br>*Prunus sp.*<br>Cherry sp.<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Salix caprea*<br>Goat Willow/Great Sallow<br>*Acer pseudoplatanus*<br>Sycamore | 10.0 | 1 | 20 | N E S W<br>2.5 2.5 2.5 2.5 | 1.0 | 1.0 | Early Mature | Fair | Fallen tree / trees - Partial collapse. Fallen tree / trees - Whole tree. Natural regeneration. Group is mixed aged with mature collapsing willow and elder in southwest of group. Semi-mature cherry, sycamore and hawthorn are overshadowed by large Black poplar which has recently had a large limb failure damaging some trees.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.1 | 2.4 | 10-20 | C | 2 |
| T1066 | 1 | *Quercus robur*<br>English Oak | 3.0 | 1 | 8 | N E S W<br>1.5 1.5 1.0 1.0 | 1.0 | 1.0 | Semi Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 2.9 | 1.0 | 40+ | C | 2 |

# Luton Airport
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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1067 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.0 | 3 | 13 | N 1.0 E 1.0 S 1.0 W 1.0 | 1.5 | 1.0 | Semi Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 8.7 | 1.7 | 20-40 | C | 2 |
| T1068 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 6 | 29 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 39.1 | 3.5 | 20-40 | C | 2 |
| G1069 | 3 | *Crataegus monogyna* Common Hawthorn/Quick/May | 5.0 | 2 | 18 | N 3.0 E 3.0 S 3.0 W 3.0 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 15.4 | 2.2 | 20-40 | C | 2 |
| T1070 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 1 | 19 | N 3.0 E 3.0 S 2.5 W 2.5 | 1.0 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 16.3 | 2.3 | 40+ | C | 2 |
| G1071 | 11 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 2 | 18 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.0 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 14.7 | 2.2 | 20-40 | C | 2 |
| G1072 | 22 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 2 | 18 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.0 | 1.0 | Early Mature | Fair | Natural regeneration. Established semi-mature and early-mature hawthorn with young hawthorn too small to be included in survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 14.7 | 2.2 | 20-40 | C | 2 |
| G1073 | 4 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 4 | 24 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.0 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 26.1 | 2.9 | 20-40 | C | 2 |
| T1074 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 1 | 12 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.0 | 1.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 6.5 | 1.4 | 20-40 | C | 2 |

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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1075 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 5 | 15 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.0 | 1.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 11.1 | 1.9 | 20-40 | C | 2 |
| G1076 | 8 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.5 | 4 | 20 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.0 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.1 | 2.4 | 20-40 | C | 2 |
| G1077 | 20 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.5 | 4 | 26 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.0 | 0.5 | Early Mature | Fair | Natural regeneration. Established semi-mature and early-mature hawthorn with young hawthorn too small to be included in survey.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 30.6 | 3.1 | 20-40 | C | 2 |
| T1078 | 1 | *Salix caprea* Goat Willow/Great Sallow | 10.0 | 14 | 59 | N 6.0 E 7.0 S 7.0 W 6.0 | 1.5 | 1.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 162.1 | 7.2 | 20-40 | B | 2 |
| T1079 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 3 | 17 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.5 | 1.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 13.6 | 2.1 | 20-40 | C | 2 |
| G1080 | 3 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.0 | 3 | 13 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 8.7 | 1.7 | 20-40 | C | 2 |
| T1081 | 1 | *Salix caprea* Goat Willow/Great Sallow | 6.0 | 10 | 37 | N 5.0 E 4.0 S 4.0 W 4.0 | 1.0 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 65.1 | 4.6 | 20-40 | C | 2 |
| G1082 | 2 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.0 | 4 | 16 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 11.6 | 1.9 | 20-40 | C | 2 |

# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1083 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.0 | 1 | 9 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Semi Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 3.7 | 1.1 | 20-40 | C | 2 |
| T1084 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 2.5 | 4 | 8 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Semi Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 2.9 | 1.0 | 20-40 | C | 2 |
| T1085 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 2.5 | 6 | 9 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Semi Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 4.3 | 1.2 | 20-40 | C | 2 |
| T1086 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.5 | 4 | 20 | N 1.5 E 2.0 S 2.0 W 1.5 | 0.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.1 | 2.4 | 20-40 | C | 2 |
| T1087 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.0 | 2 | 14 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 9.0 | 1.7 | 20-40 | C | 2 |
| T1088 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 2.5 | 3 | 17 | N 2.0 E 1.5 S 1.5 W 2.0 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 13.6 | 2.1 | 20-40 | C | 2 |
| G1089 | 3 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.5 | 2 | 12 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Semi Mature | Fair | Natural regeneration. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 7.3 | 1.5 | 20-40 | C | 2 |

# Luton Airport
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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1090 | 50<br><br>42<br><br>2 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Salix caprea* Goat Willow/Great Sallow<br>*Acer pseudoplatanus* Sycamore | 8.0 | 4 | 36 | N E S W<br>4.5 4.5 4.5 4.5 | 1.0 | 1.0 | Early Mature | Fair | Multi-stemmed. Natural regeneration.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 58.6 | 4.3 | 20-40 | B | 2 |
| T1091 | 1 | *Salix caprea* Goat Willow/Great Sallow | 5.0 | 3 | 22 | N E S W<br>2.5 2.5 2.5 2.5 | 1.5 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 22.9 | 2.7 | 20-40 | C | 2 |
| G1092 | 8<br><br>2 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Sambucus nigra* Elder | 4.0 | 2 | 14 | N E S W<br>1.5 1.5 1.5 1.5 | 1.0 | 1.0 | Early Mature | Fair | Natural regeneration.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 9.0 | 1.7 | 20-40 | C | 2 |
| T1093 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.5 | 5 | 15 | N E S W<br>2.0 2.0 2.0 2.0 | 0.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 11.1 | 1.9 | 40+ | C | 2 |
| T1094 | 1 | *Fraxinus excelsior* Ash | 5.0 | 1 | 11 | N E S W<br>1.5 2.0 1.5 2.0 | 2.0 | 1.5 | Semi Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 5.5 | 1.3 | 40+ | C | 2 |
| G1095 | 2 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.0 | 1 | 12 | N E S W<br>1.5 1.5 1.5 1.5 | 1.5 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 6.5 | 1.4 | 20-40 | C | 2 |
| T1096 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.0 | 9 | 15 | N E S W<br>2.0 2.0 2.0 2.0 | 0.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 10.2 | 1.8 | 40+ | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1097 | 1 | *Salix caprea*<br>Goat Willow/Great Sallow | 8.0 | 4 | 40 | N 4.5 E 4.0 S 4.0 W 3.0 | 3.0 | 1.5 | Early Mature | Fair | Decay / structural defect - Principal stems.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 72.4 | 4.8 | 10-20 | C | 2 |
| T1098 | 1 | *Quercus robur*<br>English Oak | 4.0 | 1 | 10 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Semi Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 4.5 | 1.2 | 40+ | C | 2 |
| G1099 | 3<br>1<br>1 | *Salix caprea*<br>Goat Willow/Great Sallow<br>*Prunus cerasifera*<br>Cherry Plum (Myrobalan)<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May | 8.0 | 7 | 37 | N 3.5 E 3.5 S 3.5 W 3.5 | 0.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 62.1 | 4.4 | 20-40 | B | 2 |
| G1100 | 2<br>1 | *Acer pseudoplatanus*<br>Sycamore<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May | 8.0 | 7 | 37 | N 4.5 E 4.5 S 4.5 W 4.5 | 1.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 62.1 | 4.4 | 20-40 | B | 2 |



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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1101 | 13<br>6<br>2<br>2 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Salix sp.* Willow sp.<br>*Sambucus nigra* Elder<br>*Sorbus aucuparia* Rowan/Mountain Ash | 7.0 | 4 | 30 | N 4.0 E 4.0 S 4.0 W 4.0 | 1.0 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 40.7 | 3.6 | 20-40 | C | 2 |
| T1102 | 1 | *Acer pseudoplatanus* Sycamore | 11.0 | 3 | 44 | N 5.0 E 5.0 S 5.0 W 5.0 | 0.5 | 0.5 | Early Mature | Fair | Fork - Weak with included bark.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 90.3 | 5.4 | 20-40 | B | 2 |
| G1103 | 30<br>2<br>2 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Sambucus nigra* Elder<br>*Salix sp.* Willow sp. | 6.0 | 4 | 20 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Early Mature | Fair | Natural regeneration.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.1 | 2.4 | 20-40 | C | 2 |
| G1104 | 4<br>2 | *Sambucus nigra* Elder<br>*Quercus robur* English Oak | 4.5 | 1 | 28 | N 3.5 E 3.5 S 3.5 W 3.5 | 0.5 | 0.5 | Early Mature | Good | Dimensions reflect oak in group.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 35.5 | 3.4 | 40+ | B | 2 |
| T1105 | 1 | *Quercus robur* English Oak | 3.5 | 1 | 14 | N 4.0 E 3.5 S 3.5 W 4.0 | 1.0 | 0.5 | Semi Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 8.9 | 1.7 | 40+ | C | 2 |

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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1106 | 9 | *Sambucus nigra*<br>Elder | 3.0 | 4 | 20 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.0 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.1 | 2.4 | 10-20 | C | 2 |
| G1107 | 2<br><br>1 | *Sambucus nigra*<br>Elder<br><br>*Salix sp.*<br>Willow sp. | 4.0 | 4 | 20 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.0 | 0.5 | Early Mature | Fair | Partial collapse of willow.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.1 | 2.4 | 10-20 | C | 2 |
| T1108 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 3.0 | 5 | 11 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 5.7 | 1.3 | 20-40 | C | 2 |
| G1109 | 6<br><br>1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May<br><br>*Sambucus nigra*<br>Elder | 3.0 | 1 | 10 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 4.5 | 1.2 | 20-40 | C | 2 |
| T1110 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 3.0 | 6 | 14 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 9.8 | 1.8 | 20-40 | C | 2 |
| T1111 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 3.5 | 3 | 17 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 13.6 | 2.1 | 20-40 | C | 2 |
| G1112 | 4<br><br>2 | *Acer platanoides*<br>Norway Maple<br><br>*Sorbus aucuparia*<br>Rowan/Mountain Ash | 3.0 | 4 | 12 | N 1.5 E 1.5 S 1.5 W 1.5 | 1.0 | 0.5 | Semi Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 6.5 | 1.4 | 20-40 | C | 2 |
| G1113 | 4 | *Prunus spinosa*<br>Blackthorn/Sloe | 4.0 | 4 | 16 | N 1.5 E 1.5 S 1.5 W 1.5 | 1.0 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 11.6 | 1.9 | 20-40 | C | 2 |

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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1114 | 1 | *Salix caprea* Goat Willow/Great Sallow | 10.0 | 7 | 74 | N 6.0 E 6.0 S 7.0 W 8.0 | 1.0 | 1.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 248.3 | 8.9 | 20-40 | B | 2 |
| T1115 | 1 | *Salix caprea* Goat Willow/Great Sallow | 7.0 | 6 | 53 | N 6.0 E 6.0 S 7.0 W 6.0 | 1.0 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 131.4 | 6.5 | 20-40 | B | 2 |
| G1116 | 21<br>2<br>2<br>1 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Salix sp.* Willow sp.<br>*Sorbus aria* Whitebeam<br>*Quercus robur* English Oak | 5.0 | 3 | 20 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 19.5 | 2.5 | 20-40 | C | 2 |
| T1117 | 1 | *Salix caprea* Goat Willow/Great Sallow | 5.0 | 5 | 31 | N 3.5 E 3.5 S 3.5 W 3.5 | 0.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 44.3 | 3.8 | 20-40 | B | 2 |
| T1118 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 5.0 | 5 | 17 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 14.5 | 2.1 | 20-40 | C | 2 |

# Luton Airport
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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1119 | 40<br>25<br>15<br>8<br>8<br>5 | *Populus nigra* Black Poplar<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Acer platanoides* Norway Maple<br>*Sorbus sp.* Sorbus sp.<br>*Alnus glutinosa* Common Alder<br>*Salix sp.* Willow sp. | 15.0 | 1 | 25 | N 3.5 E 3.5 S 3.5 W 3.5 | 1.0 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 28.3 | 3.0 | 20-40 | B | 2 |
| T1120 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.5 | 4 | 16 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 11.6 | 1.9 | 20-40 | C | 2 |
| G1121 | 25<br>18<br>15<br>8 | *Salix sp.* Willow sp.<br>*Alnus glutinosa* Common Alder<br>*Acer platanoides* Norway Maple<br>*Crataegus monogyna* Common Hawthorn/Quick/May | 12.0 | 1 | 18 | N 3.0 E 3.0 S 3.0 W 3.0 | 1.0 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 14.7 | 2.2 | 20-40 | B | 2 |



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# Luton Airport
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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1122 | 22<br>20<br>3<br>1 | *Populus nigra* Black Poplar<br>*Salix sp.* Willow sp.<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Sorbus sp.* Sorbus sp. | 18.0 | 1 | 25 | N 3.5 E 3.5 S 3.5 W 3.5 | 1.0 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 28.3 | 3.0 | 20-40 | B | 2 |
| G1123 | 15<br>12 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Salix sp.* Willow sp. | 7.0 | 3 | 27 | N 3.5 E 3.5 S 3.5 W 3.5 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 34.7 | 3.3 | 20-40 | B | 2 |



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Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1124 | 80<br>80<br>60<br>30<br>20<br>20<br>1 | *Sorbus sp.*<br>Sorbus sp.<br>*Acer platanoides*<br>Norway Maple<br>*Salix sp.*<br>Willow sp.<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Populus nigra*<br>Black Poplar<br>*Alnus glutinosa*<br>Common Alder<br>*Quercus robur*<br>English Oak | 10.0 | 1 | 18 | N 2.5<br>E 2.5<br>S 2.5<br>W 2.5 | 1.0 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 14.7 | 2.2 | 20-40 | B | 2 |
| T1125 | 1 | *Salix caprea*<br>Goat Willow/Great Sallow | 7.0 | 8 | 42 | N 4.5<br>E 4.5<br>S 4.5<br>W 4.5 | 1.0 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 81.4 | 5.1 | 20-40 | B | 2 |
| G1126 | 2<br>2 | *Salix caprea*<br>Goat Willow/Great Sallow<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May | 6.0 | 6 | 36 | N 4.0<br>E 4.0<br>S 4.0<br>W 4.0 | 1.0 | 1.0 | Early Mature | Poor | Die-back - Throughout crown. Dimensions reflect willow.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 61.1 | 4.4 | 10-20 | C | 2 |
| T1127 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 6.0 | 5 | 17 | N 2.5<br>E 2.5<br>S 2.5<br>W 2.5 | 0.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 14.5 | 2.1 | 20-40 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1128 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 8 | 22 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 23.2 | 2.7 | 20-40 | C | 2 |
| G1129 | 5<br>1 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Fraxinus excelsior* Ash | 5.0 | 3 | 8 | N 1.0 E 1.0 S 1.0 W 1.0 | 0.5 | 0.5 | Semi Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 3.5 | 1.1 | 40+ | C | 2 |
| G1130 | 4<br>2<br>2 | *Quercus robur* English Oak<br>*Fraxinus excelsior* Ash<br>*Crataegus monogyna* Common Hawthorn/Quick/May | 8.0 | 1 | 25 | N 4.0 E 4.0 S 4.0 W 4.0 | 0.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 28.3 | 3.0 | 40+ | B | 2 |
| T1131 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.0 | 1 | 12 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 6.5 | 1.4 | 20-40 | C | 2 |
| T1132 | 1 | *Sambucus nigra* Elder | 3.0 | 6 | 12 | N 2.0 E 2.0 S 2.0 W 1.5 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 6.8 | 1.5 | 10-20 | C | 2 |
| T1133 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.0 | 4 | 20 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.1 | 2.4 | 20-40 | C | 2 |
| T1134 | 1 | *Prunus cerasifera* Cherry Plum (Myrobalan) | 4.5 | 5 | 26 | N 3.0 E 3.0 S 3.0 W 3.0 | 1.0 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 32.6 | 3.2 | 40+ | B | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1135 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.0 | 1 | 12 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 6.5 | 1.4 | 20-40 | C | 2 |
| G1136 | 3<br>3<br>1<br>1 | *Quercus robur* English Oak<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Sambucus nigra* Elder<br>*Salix caprea* Goat Willow/Great Sallow | 5.0 | 1 | 15 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 10.2 | 1.8 | 20-40 | C | 2 |
| T1137 | 1 | *Quercus robur* English Oak | 5.0 | 1 | 17 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Semi Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 13.1 | 2.0 | 40+ | B | 2 |
| G1138 | 12 | *Salix sp.* Willow sp. | 6.0 | 10 | 12 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 7.2 | 1.5 | 20-40 | C | 2 |
| T1139 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 5.0 | 5 | 26 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.0 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 32.6 | 3.2 | 20-40 | C | 2 |
| G1140 | 4 | *Laburnum anagyroides* Common Laburnum (Golden Chain) | 4.5 | 6 | 29 | N 3.0 E 3.0 S 3.0 W 3.0 | 1.0 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 39.1 | 3.5 | 20-40 | C | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1141 | 1 | *Salix caprea* Goat Willow/Great Sallow | 7.0 | 10 | 75 | N 6.0 E 8.0 S 7.0 W 2.0 | 0.5 | 0.5 | Mature | Fair | Coppice stool - Coppice origin / Mature stems. Fallen tree / trees - Partial collapse. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 260.6 | 9.1 | 10-20 | C | 2 3 |
| G1142 | 6 | *Crataegus monogyna* Common Hawthorn/Quick/May | 5.0 | 3 | 20 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 19.5 | 2.5 | 20-40 | C | 2 |
| | 1 | *Sorbus sp.* Sorbus sp. | | | | | | | | | | | | | | |
| G1143 | 15 | *Laburnum anagyroides* Common Laburnum (Golden Chain) | 7.0 | 3 | 25 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 30.5 | 3.1 | 20-40 | B | 2 |
| | 10 | *Crataegus monogyna* Common Hawthorn/Quick/May | | | | | | | | | | | | | | |
| | 2 | *Acer campestre* Field Maple | | | | | | | | | | | | | | |
| | 2 | *Salix caprea* Goat Willow/Great Sallow | | | | | | | | | | | | | | |
| G1144 | 2 | *Quercus robur* English Oak | 7.0 | 1 | 20 | N 5.0 E 5.0 S 5.0 W 5.0 | 1.0 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.1 | 2.4 | 40+ | B | 2 |
| G1145 | 3 | *Sambucus nigra* Elder | 4.5 | 5 | 26 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.0 | 1.0 | Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 32.6 | 3.2 | 10-20 | C | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1146 | 1 | *Salix caprea* Goat Willow/Great Sallow | 4.0 | 5 | 33 | NW 3.5 NE 6.0 SE 4.0 SW 4.0 | 1.0 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 50.9 | 4.0 | 20-40 | B | 2 |
| T1147 | 1 | *Acer pseudoplatanus* Sycamore | 5.0 | 3 | 17 | N 1.5 E 1.5 S 1.5 W 1.5 | 1.5 | 1.5 | Semi Mature | Good | Base / stems obscured - Vegetation. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 13.6 | 2.1 | 40+ | C | 2 |
| T1148 | 1 | *Betula pendula* Silver Birch | 8.0 | 1 | 21 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.0 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 20.0 | 2.5 | 40+ | B | 2 |
| T1149 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 1 | 11 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Semi Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 5.5 | 1.3 | 40+ | C | 2 |
| T1150 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.0 | 2 | 15 | N 3.0 E 3.0 S 2.5 W 2.5 | 1.0 | 0.5 | Semi Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 10.9 | 1.9 | 40+ | C | 2 |
| T1151 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.0 | 1 | 12 | N 2.0 E 2.0 S 2.0 W 2.5 | 0.5 | 0.5 | Semi Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 6.5 | 1.4 | 40+ | C | 2 |
| T1152 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 5 | 24 | N 3.0 E 2.5 S 3.0 W 3.0 | 0.5 | 0.5 | Semi Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 27.4 | 3.0 | 40+ | C | 2 |
| T1153 | 1 | *Sambucus nigra* Elder | 3.5 | 7 | 26 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 31.7 | 3.2 | 10-20 | C | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1154 | 3<br><br>1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Syringa sp.*<br>Lilac sp. | 3.0 | 2 | 11 | N E S W<br>1.5 1.5 1.5 1.5 | 0.5 | 0.5 | Semi Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 5.8 | 1.4 | 40+ | C | 2 |
| T1155 | 1 | *Salix caprea*<br>Goat Willow/Great Sallow | 12.0 | 5 | 57 | NW NE SE SW<br>6.0 5.0 7.0 6.0 | 2.5 | 2.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 149.3 | 6.9 | 20-40 | B | 2 |
| G1156 | 8 | *Acer platanoides*<br>Norway Maple | 11.0 | 1 | 25 | N E S W<br>4.5 4.5 4.5 4.5 | 1.5 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 28.3 | 3.0 | 20-40 | B | 2 |
| G1157 | 8<br><br>5<br><br>3<br><br>3<br><br>1<br><br>1 | *Sambucus nigra*<br>Elder<br>*Salix caprea*<br>Goat Willow/Great Sallow<br>*Prunus sp.*<br>Cherry sp.<br>*Syringa sp.*<br>Lilac sp.<br>*Acer platanoides*<br>Norway Maple<br>*Sorbus sp.*<br>Sorbus sp. | 10.0 | 1 | 25 | N E S W<br>3.0 3.0 3.0 3.0 | 1.0 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 28.3 | 3.0 | 10-20 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1158 | 51<br>5<br>5 | *Pinus sylvestris* Scots Pine<br>*Syringa sp.* Lilac sp.<br>*Acer platanoides* Norway Maple | 13.0 | 1 | 25 | N 2.0 E 4.0 S 2.0 W 4.5 | 0.5 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 28.3 | 3.0 | 20-40 | B | 2 |
| G1159 | 50<br>40<br>10<br>10 | *Cotoneaster sp.* Tree Cotoneaster<br>*Laurocerasus officinalis* Cherry Laurel<br>*Cerasus avium* Wild Cherry<br>*Betula pendula* Silver Birch | 10.0 | 1 | 18 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. Birch and cherry within cherry laurel and cotoneaster.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 14.7 | 2.2 | 20-40 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1160 | 63<br>35<br>23<br>12<br>10<br>1 | *Pinus sylvestris* Scots Pine<br>*Acer platanoides* Norway Maple<br>*Sorbus aria* Whitebeam<br>*unrecognized* Unrecognised<br>*Acer campestre* Field Maple<br>*Prunus sp.* Cherry sp. | 13.0 | 1 | 25 | N 3.0 E 4.0 S 3.0 W 4.0 | 1.5 | 1.5 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 28.3 | 3.0 | 20-40 | B | 2 |
| T1161 | 1 | *Acer campestre* Field Maple | 10.0 | 1 | 39 | NW 0.0 NE 0.0 SE 5.0 SW 5.0 | 2.0 | 1.5 | Early Mature | Fair | Tree has had stem failure at 1.6 metres. Four limbs still arise from stump.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| G1162 | 3<br>1 | *Pinus sylvestris* Scots Pine<br>*Quercus rubra* Red Oak | 10.0 | 1 | 18 | N 1.5 E 1.5 S 1.5 W 1.5 | 2.0 | 2.0 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 14.7 | 2.2 | 10-20 | C | 2 |
| G1163 | 8 | *Pinus sylvestris* Scots Pine | 11.0 | 1 | 32 | N 4.0 E 4.0 S 4.0 W 4.0 | 1.5 | 1.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 46.3 | 3.8 | 40+ | B | 2 |
| G1164 | 5 | *Pinus sylvestris* Scots Pine | 10.0 | 1 | 20 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.5 | 1.5 | Early Mature | Poor | Die-back - Throughout crown.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 18.1 | 2.4 | 10-20 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | | | | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | | | | |
| G1165 | 11 | *Pinus sylvestris* Scots Pine | 12.0 | 1 | 28 | 2.5 | 2.5 | 2.5 | 2.5 | 1.5 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 35.5 | 3.4 | 20-40 | B | 2 |
| | 1 | *Quercus rubra* Red Oak | | | | | | | | | | | | | | | | | |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1166 | 38 | *Pinus sylvestris* Scots Pine | 15.0 | 1 | 35 | N E S W 5.0 5.0 5.0 5.0 | 1.5 | 1.0 | Early Mature | Fair | Group contains one recently collapsed tree, snagged on neighbour. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 55.4 | 4.2 | 20-40 | B | 2 |
| | 21 | *Cerasus avium* Wild Cherry | | | | | | | | | | | | | | |
| | 18 | *Populus nigra* Black Poplar | | | | | | | | | | | | | | |
| | 18 | *Acer campestre* Field Maple | | | | | | | | | | | | | | |
| | 18 | *Fraxinus excelsior* Ash | | | | | | | | | | | | | | |
| | 15 | *Aesculus hippocastanum* Horse Chestnut | | | | | | | | | | | | | | |
| | 13 | *Populus nigra 'Italica'* Lomardy Poplar | | | | | | | | | | | | | | |
| | 12 | *Salix sp.* Willow sp. | | | | | | | | | | | | | | |
| | 7 | *Crataegus monogyna* Common Hawthorn/Quick/May | | | | | | | | | | | | | | |
| | 5 | *Sorbus intermedia* Swedish Whitebeam | | | | | | | | | | | | | | |
| | 5 | *Salix caprea* Goat Willow/Great Sallow | | | | | | | | | | | | | | |
| | 2 | *Betula pendula* Silver Birch | | | | | | | | | | | | | | |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1166 | 1 | *Metasequoia glyptostroboides* Dawn Redwood | | | | | | | | | | | | | | |
| T1167 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 6 | 29 | N 3.0 E 3.0 S 3.0 W 2.5 | 0.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 39.1 | 3.5 | 20-40 | C | 2 |
| G1168 | 35 | *Cerasus avium* Wild Cherry | 14.0 | 1 | 32 | N 5.0 E 5.0 S 5.0 W 5.0 | 2.0 | 2.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 46.3 | 3.8 | 20-40 | B | 2 |
| | 23 | *Populus nigra 'Italica'* Lomardy Poplar | | | | | | | | | | | | | | |
| | 23 | *Acer platanoides* Norway Maple | | | | | | | | | | | | | | |
| | 16 | *Alnus glutinosa* Common Alder | | | | | | | | | | | | | | |
| | 12 | *Fraxinus excelsior* Ash | | | | | | | | | | | | | | |
| | 12 | *Aesculus hippocastanum* Horse Chestnut | | | | | | | | | | | | | | |
| | 10 | *Acer campestre* Field Maple | | | | | | | | | | | | | | |
| | 3 | *Betula pendula* Silver Birch | | | | | | | | | | | | | | |
| | 3 | *Salix sp.* Willow sp. | | | | | | | | | | | | | | |
| | 2 | *Pinus sylvestris* Scots Pine | | | | | | | | | | | | | | |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1169 | 30 | *Prunus spinosa* Blackthorn/Sloe | 12.0 | 1 | 30 | N E S W 5.0 5.0 5.0 5.0 | 0.5 | 1.0 | Early Mature | Good | | 40.7 | 3.6 | 40+ | B | 2 |
| | 28 | *Cerasus avium* Wild Cherry | | | | | | | | | | | | | | |
| | 15 | *Acer campestre* Field Maple | | | | | | | | | | | | | | |
| | 15 | *Salix sp.* Willow sp. | | | | | | | | | | | | | | |
| | 12 | *Crataegus monogyna* Common Hawthorn/Quick/May | | | | | | | | | | | | | | |
| | 11 | *Alnus glutinosa* Common Alder | | | | | | | | | | | | | | |
| | 10 | *Sambucus nigra* Elder | | | | | | | | | | | | | | |
| | 9 | *Prunus cerasifera* Cherry Plum (Myrobalan) | | | | | | | | | | | | | | |
| | 7 | *Betula pendula* Silver Birch | | | | | | | | | | | | | | |
| | 6 | *Fraxinus excelsior* Ash | | | | | | | | | | | | | | |
| | 4 | *Quercus cerris* Turkey Oak | | | | | | | | | | | | | | |
| | 3 | *Abies sp.* Fir sp. | | | | | | | | | | | | | | |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1169 | 3<br>3<br>3 | *Picea sp.*<br>Spruce sp.<br>*Quercus robur*<br>English Oak<br>*Sorbus sp.*<br>Sorbus sp. | | | | | | | | | | | | | | |
| T1170 | 1 | *Acer platanoides*<br>Norway Maple | 4.5 | 3 | 10 | N E S W<br>2.0 2.0 2.0 1.0 | 1.0 | 0.5 | Semi Mature | Good | Natural regeneration.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 5.0 | 1.3 | 20-40 | C | 2 |
| T1171 | 1 | *Fraxinus excelsior*<br>Ash | 4.0 | 1 | 7 | N E S W<br>1.0 1.5 1.5 0.5 | 0.5 | 0.5 | Semi Mature | Good | Natural regeneration.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 2.2 | 0.8 | 20-40 | C | 2 |
| G1172 | 3 | *Salix caprea*<br>Goat Willow/Great Sallow | 11.0 | 1 | 30 | N E S W<br>6.0 5.0 4.0 5.0 | 2.0 | 1.5 | Early Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 40.7 | 3.6 | 10-20 | C | 2 |
| T1173 | 1 | *Salix caprea*<br>Goat Willow/Great Sallow | 11.0 | 1 | 24 | N E S W<br>6.0 5.0 2.0 2.0 | 2.0 | 2.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 26.1 | 2.9 | 20-40 | B | 2 |
| T1174 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 4.0 | 3 | 20 | N E S W<br>2.5 2.0 1.0 2.0 | 1.0 | 1.0 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 19.5 | 2.5 | 40+ | C | 2 |
| T1175 | 1 | *Sambucus nigra*<br>Elder | 5.5 | 1 | 30 | N E S W<br>2.5 2.5 2.5 2.5 | 2.0 | 1.5 | Mature | Poor | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T1176 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 5.5 | 1 | 24 | N E S W<br>3.0 3.0 3.0 3.0 | 1.0 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 26.1 | 2.9 | 40+ | B | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1177 | 7<br>5<br>4<br>2<br>1 | *Salix caprea* Goat Willow/Great Sallow<br>*Sorbus sp.* Sorbus sp.<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Buddleja sp.* Buddleja<br>*Sambucus nigra* Elder | 13.0 | 1 | 40 | N 5.0 E 5.0 S 5.0 W 5.0 | 0.5 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 72.4 | 4.8 | 20-40 | B | 2 |
| G1178 | 7<br>4 | *Salix caprea* Goat Willow/Great Sallow<br>*Crataegus monogyna* Common Hawthorn/Quick/May | 13.0 | 3 | 43 | N 5.0 E 5.0 S 5.0 W 5.0 | 2.0 | 1.0 | Early Mature | Fair | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 84.8 | 5.2 | 20-40 | B | 2 |
| T1179 | 1 | *Fraxinus excelsior* Ash | 11.0 | 1 | 33 | N 4.5 E 4.0 S 4.0 W 4.0 | 2.5 | 2.5 | Early Mature | Fair | | 49.3 | 4.0 | 20-40 | B | 2 |
| T1180 | 1 | *Cerasus avium* Wild Cherry | 4.0 | 2 | 13 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Semi Mature | Good | | 8.2 | 1.6 | 20-40 | C | 2 |
| T1181 | 1 | *Fraxinus excelsior* Ash | 15.0 | 1 | 34 | N 6.0 E 5.0 S 5.0 W 4.5 | 2.5 | 2.5 | Early Mature | Good | | 52.3 | 4.1 | 20-40 | B | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1182 | 1 | *Acer platanoides* Norway Maple | 9.0 | 1 | 23 | N 3.5 E 3.5 S 3.5 W 3.5 | 2.0 | 2.0 | Early Mature | Good | | 23.9 | 2.8 | 40+ | B | 2 |
| T1183 | 1 | *Acer platanoides* Norway Maple | 11.0 | 1 | 31 | N 3.5 E 3.5 S 3.5 W 3.5 | 1.5 | 2.0 | Early Mature | Good | | 43.5 | 3.7 | 40+ | B | 2 |
| T1184 | 1 | *Acer platanoides* Norway Maple | 9.0 | 1 | 24 | N 3.5 E 3.5 S 3.5 W 3.5 | 1.5 | 2.0 | Early Mature | Good | | 26.1 | 2.9 | 40+ | B | 2 |
| T1185 | 1 | *Acer platanoides* Norway Maple | 8.0 | 1 | 22 | N 3.0 E 3.5 S 3.0 W 3.0 | 2.0 | 2.0 | Early Mature | Good | | 21.9 | 2.6 | 40+ | B | 2 |
| T1186 | 1 | *Platanus x hispanica* London Plane | 6.0 | 7 | 34 | N 4.5 E 4.0 S 1.0 W 4.0 | 2.0 | 1.5 | Early Mature | Good | Epicormic growth - Base. Stump / stumps. | 53.5 | 4.1 | 20-40 | C | 2 |
| G1187 | 16 | *Laurocerasus officinalis* Cherry Laurel | 12.0 | 5 | 44 | N 6.0 E 4.0 S 4.0 W 4.0 | 0.5 | 0.5 | Early Mature | Good | **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 90.5 | 5.4 | 20-40 | B | 2 |
| G1188 | 60 | *Laurocerasus officinalis* Cherry Laurel | 12.0 | 5 | 44 | N 5.0 E 4.0 S 4.0 W 4.0 | 0.5 | 0.5 | Early Mature | Good | | 90.5 | 5.4 | 20-40 | B | 2 |
| G1189 | 8<br>5 | *Cupressus sp.* Cypress sp.<br>*Buddleja sp.* Buddleja | 1.5 | 4 | 24 | NW 0.5 NE 1.0 SE 0.5 SW 0.5 | 0.5 | 0.5 | Early Mature | Fair | Arboricultural work - Recent. Stump / stumps. 18/11/20 JC cut to compact form. Betula stump-dead is present. Not on topographical survey. Plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 26.1 | 2.9 | 10-20 | C | 2 |
| T1190 | 1 | *Sambucus nigra* Elder | 0.5 | 12 | 17 | N 0.5 E 0.5 S 0.5 W 0.5 | 0.5 | 0.5 | Early Mature | Dead | Stump / stumps. Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1191 | 1 | *Betula pendula*<br>Silver Birch | 6.0 | 1 | 9 | NW 1.5 NE 2.5 SE 1.5 SW 2.0 | 1.0 | 1.0 | Semi Mature | Fair | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 3.7 | 1.1 | 40+ | C | 2 |
| H1192 | 15<br>1 | *Pyracantha sp.*<br>Pyracantha<br>*Buddleja sp.*<br>Buddleja | 2.0 | 5 | 13 | N 0.5 E 0.5 S 0.5 W 0.5 | 0.5 | 0.5 | Early Mature | Good | Hedgerow - Maintained. Not on topographical survey. Plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 8.1 | 1.6 | 20-40 | C | 2 |
| T1193 | 1 | *Betula pendula*<br>Silver Birch | 10.0 | 1 | 18 | N 2.0 E 2.0 S 2.5 W 2.0 | 1.0 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 14.7 | 2.2 | 40+ | B | 2 |
| T1194 | 1 | *Betula pendula*<br>Silver Birch | 5.0 | 1 | 9 | N 2.0 E 1.5 S 1.5 W 1.5 | 1.5 | 1.0 | Semi Mature | Fair | Not on topographical survey, plotted freehand. | 3.7 | 1.1 | 20-40 | C | 2 |
| T1195 | 1 | *Betula pendula*<br>Silver Birch | 7.0 | 1 | 12 | N 2.0 E 1.5 S 2.0 W 1.5 | 1.5 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 6.5 | 1.4 | 40+ | C | 2 |
| T1196 | 1 | *Betula pendula*<br>Silver Birch | 6.0 | 1 | 14 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.5 | 1.5 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 8.9 | 1.7 | 20-40 | C | 2 |
| T1197 | 1 | *Acer platanoides*<br>Norway Maple | 9.0 | 1 | 31 | N 4.0 E 4.0 S 4.5 W 5.0 | 2.0 | 2.0 | Early Mature | Good | Crown conflict - Structure / boundary / wire / tree. Not on topographical survey, plotted freehand. | 43.5 | 3.7 | 40+ | B | 2 |
| G1198 | 3 | *Betula pendula*<br>Silver Birch | 5.0 | 2 | 15 | N 2.0 E 2.0 S 2.0 W 2.5 | 1.0 | 0.5 | Semi Mature | Fair | Crown conflict - Structure / boundary / wire / tree. Not on topographical survey. Plotted freehand. | 10.5 | 1.8 | 20-40 | C | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1199 | 2 | *Betula pendula*<br>Silver Birch | 4.0 | 5 | 17 | N E S W<br>2.0 2.0 2.0 2.5 | 1.0 | 0.5 | Semi Mature | Fair | Crown conflict - Structure / boundary / wire / tree. Not on topographical survey. Plotted freehand. | 14.5 | 2.1 | 20-40 | C | 2 |
| G1200 | 2 | *Betula pendula*<br>Silver Birch | 5.0 | 4 | 20 | N E S W<br>2.0 2.0 2.0 2.5 | 1.0 | 0.5 | Semi Mature | Fair | Base / stems obscured - Vegetation. Crown conflict - Structure / boundary / wire / tree. Not on topographical survey. Plotted freehand. | 18.1 | 2.4 | 20-40 | C | 2 |
| G1201 | 40<br>5<br>2 | *Laurocerasus lusitanica*<br>Portugal Laurel<br>*Rhus sp.*<br>Sumach<br>*Sambucus nigra*<br>Elder | 4.0 | 5 | 20 | N E S W<br>1.0 1.0 1.0 1.0 | 0.5 | 0.5 | Early Mature | Fair | Not on topographical survey. Plotted freehand. | 18.3 | 2.4 | 20-40 | C | 2 |
| G1202 | 5<br>1 | *Acer platanoides*<br>Norway Maple<br>*Betula pendula*<br>Silver Birch | 6.5 | 1 | 20 | N E S W<br>3.0 3.0 3.0 4.0 | 1.0 | 0.5 | Early Mature | Good | Not on topographical survey. Plotted freehand. | 18.1 | 2.4 | 40+ | B | 2 |
| G1203 | 2 | *Betula pendula*<br>Silver Birch | 2.5 | 2 | 9 | N E S W<br>2.0 2.0 2.0 2.0 | 1.0 | 1.0 | Semi Mature | Fair | Staked tree / trees. Not on topographical survey. Plotted freehand. | 4.4 | 1.2 | 10-20 | C | 2 |
| G1204 | 3 | *Buddleja sp.*<br>Buddleja | 3.0 | 8 | 16 | N E S W<br>2.0 1.0 2.0 2.0 | 1.0 | 0.5 | Early Mature | Good | Natural regeneration. Not on topographical survey. Plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 13.0 | 2.0 | 10-20 | C | 2 |
| T1205 | 1 | *Salix caprea*<br>Goat Willow/Great Sallow | 10.0 | 1 | 56 | NW NE SE SW<br>5.0 4.0 4.0 5.0 | 2.0 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 141.9 | 6.7 | 20-40 | B | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1206 | 1 | *Salix caprea*<br>Goat Willow/Great Sallow | 3.0 | 1 | 45 | N E S W<br>1.0 1.0 1.0 1.0 | 1.0 | 0.5 | Early Mature | Fair | Epicormic growth - Base / bole / principal stems. Stump / stumps. Not on topographical survey, plotted freehand. | | | 0-10 | U | |
| T1207 | 1 | *Salix caprea*<br>Goat Willow/Great Sallow | 10.0 | 1 | 46 | NW NE SE SW<br>5.0 5.0 2.0 1.0 | 2.0 | 1.0 | Early Mature | Fair | Crown reduction - Historic. Decay / structural defect - Bole. Lesion or fracture on limb / limbs - Major. Shedding limb / limbs - Major. Shedding limb / limbs - Recent. Not on topographical survey, plotted freehand. | 95.7 | 5.5 | 10-20 | C | 2 |
| G1208 | 8<br>3<br>3 | *Buddleja sp.*<br>Buddleja<br>*Sambucus nigra*<br>Elder<br>*Rosa sp.*<br>Rose sp. | 4.0 | 8 | 22 | N E S W<br>2.0 2.0 2.0 2.0 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Natural regeneration. Not on topographical survey. Plotted freehand. | 23.2 | 2.7 | 10-20 | C | 2 |
| G1209 | 4 | *Buddleja sp.*<br>Buddleja | 4.0 | 3 | 19 | N E S W<br>2.0 2.0 2.0 2.0 | 1.5 | 1.5 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Natural regeneration. Not on topographical survey. Plotted freehand. Group growing out of brick wall. | 16.4 | 2.3 | 10-20 | C | 2 |
| G1210 | 16<br>6<br>1 | *Buddleja sp.*<br>Buddleja<br>*Sambucus nigra*<br>Elder<br>*Prunus sp.*<br>Cherry sp. | 4.0 | 4 | 20 | N E S W<br>2.0 2.0 2.0 2.0 | 1.5 | 1.5 | Early Mature | Fair | Natural regeneration. Not on topographical survey. Plotted freehand. | 18.1 | 2.4 | 10-20 | C | 2 |
| T1211 | 1 | *Cerasus avium*<br>Wild Cherry | 5.5 | 1 | 14 | N E S W<br>2.0 2.0 2.0 2.0 | 3.5 | 3.5 | Semi Mature | Fair | Not on topographical survey, plotted freehand. | 8.9 | 1.7 | 20-40 | C | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1212 | 8<br>3<br>1 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Buddleja sp.* Buddleja<br>*Salix caprea* Goat Willow/Great Sallow | 5.0 | 3 | 20 | N E S W<br>2.5 2.5 2.5 2.5 | 1.0 | 1.5 | Early Mature | Fair | Not on topographical survey. Plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 19.5 | 2.5 | 10-20 | C | 2 |
| T1213 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 5.0 | 1 | 18 | NW NE SE SW<br>1.5 3.0 3.0 2.0 | 1.5 | 1.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 14.7 | 2.2 | 40+ | C | 2 |
| G1214 | 6 | *Buddleja sp.* Buddleja | 3.0 | 5 | 17 | N E S W<br>2.0 2.0 2.0 2.0 | 0.5 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey. Plotted freehand. | 14.5 | 2.1 | 10-20 | C | 2 |
| G1215 | 5 | *Cupressus sp.* Cypress sp. | 15.0 | 1 | 46 | NW NE SE SW<br>6.5 5.0 6.5 5.0 | 0.5 | 0.5 | Early Mature | Good | Not on topographical survey. Plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 95.7 | 5.5 | 20-40 | B | 2 |
| T1216 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 3.5 | 3 | 19 | NW NE SE SW<br>2.0 2.5 2.0 2.0 | 0.5 | 0.5 | Early Mature | Fair | Suppressed crown - Major. Not on topographical survey, plotted freehand. | 16.4 | 2.3 | 10-20 | C | 2 |
| G1217 | 3 | *Buddleja sp.* Buddleja | 3.5 | 3 | 17 | N E S W<br>2.0 2.0 2.0 2.0 | 0.5 | 0.5 | Early Mature | Fair | Natural regeneration. Not on topographical survey. Plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 13.6 | 2.1 | 10-20 | C | 2 |



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# Luton Airport
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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1218 | 2 | *Buddleja sp.* Buddleja | 4.0 | 3 | 17 | N 2.0 E 2.0 S 2.0 W 2.0 | 2.0 | 2.0 | Early Mature | Fair | Access to inspect base - Not possible. Base / stems obscured - Structure. Natural regeneration. Not on topographical survey. Plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 13.6 | 2.1 | 10-20 | C | 2 |
| G1219 | 5 | *Buddleja sp.* Buddleja | 4.5 | 5 | 22 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 1.0 | Early Mature | Fair | Access to inspect base - Not possible. Base / stems obscured - Structure. Natural regeneration. Not on topographical survey. Plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 22.6 | 2.7 | 10-20 | C | 2 |
| T1220 | 1 | *Buddleja sp.* Buddleja | 3.5 | 5 | 26 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Natural regeneration. Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 32.6 | 3.2 | 10-20 | C | 2 |
| T1221 | 1 | *Buddleja sp.* Buddleja | 3.5 | 8 | 19 | NW 2.0 NE 2.0 SE 2.0 SW 1.0 | 0.5 | 0.5 | Semi Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Natural regeneration. Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 17.7 | 2.4 | 10-20 | C | 2 |
| T1222 | 1 | *Salix caprea* Goat Willow/Great Sallow | 3.5 | 7 | 15 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Semi Mature | Fair | Coppice stool - Regrown. Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 11.4 | 1.9 | 20-40 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H1223 | 3 | *Ligustrum sp.*<br>Privet sp. | 3.0 | 6 | 19 | N 0.5 E 0.5 S 0.5 W 0.5 | 0.5 | 0.5 | Early Mature | Fair | Hedgerow - Maintained. Not on topographical survey. Plotted freehand. | 17.4 | 2.4 | 20-40 | C | 2 |
| G1224 | 10<br>9<br>1<br>1 | *Buddleja sp.*<br>Buddleja<br>*Sambucus nigra*<br>Elder<br>*Salix caprea*<br>Goat Willow/Great Sallow<br>*Acer pseudoplatanus*<br>Sycamore | 4.0 | 5 | 29 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Fair | Natural regeneration. Not on topographical survey. Plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 38.2 | 3.5 | 10-20 | C | 2 |
| T1225 | 1 | *Populus sp.*<br>Poplar sp. | 15.0 | 1 | 68 | N 4.5 E 6.0 S 6.5 W 7.0 | 2.5 | 1.5 | Early Mature | Good | Decay / structural defect in crown limb / limbs - Localised. Decay / structural defect - Base. Decay / structural defect - Bole. Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 209.2 | 8.2 | 20-40 | B | 2 |
| T1226 | 1 | *Salix caprea*<br>Goat Willow/Great Sallow | 11.0 | 7 | 66 | N 5.0 E 6.0 S 6.0 W 7.5 | 2.0 | 0.5 | Early Mature | Fair | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 197.9 | 7.9 | 20-40 | B | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1227 | 17<br>5<br>3 | *Salix caprea* Goat Willow/Great Sallow<br>*Buddleja sp.* Buddleja<br>*Cerasus avium* Wild Cherry | 10.0 | 1 | 36 | N E S W<br>4.0 4.0 4.0 4.0 | 3.0 | 1.5 | Early Mature | Fair | Natural regeneration. Not on topographical survey. Plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 58.6 | 4.3 | 20-40 | B | 2 |
| T1228 | 1 | *Salix caprea* Goat Willow/Great Sallow | 8.0 | 1 | 35 | NW NE SE SW<br>8.0 6.0 3.0 3.0 | 1.0 | 0.5 | Early Mature | Good | Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 55.4 | 4.2 | 20-40 | B | 2 |
| T1229 | 1 | *Acer pseudoplatanus* Sycamore | 9.0 | 1 | 22 | NW NE SE SW<br>4.0 2.0 2.0 4.0 | 2.0 | 2.0 | Early Mature | Fair | Natural regeneration. Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 21.9 | 2.6 | 20-40 | B | 2 |
| T1230 | 1 | *Acer pseudoplatanus* Sycamore | 7.0 | 2 | 22 | NW NE SE SW<br>4.0 1.0 1.0 3.0 | 3.0 | 2.0 | Early Mature | Dead | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |
| T1231 | 1 | *Acer pseudoplatanus* Sycamore | 6.0 | 2 | 21 | NW NE SE SW<br>3.0 2.0 1.0 2.0 | 3.0 | 3.0 | Early Mature | Dead | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | 0-10 | U | |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1232 | 1 | *Acer pseudoplatanus* Sycamore | 10.0 | 1 | 30 | NW 5.0 NE 3.0 SE 2.5 SW 6.0 | 4.0 | 3.5 | Early Mature | Good | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 40.7 | 3.6 | 20-40 | B | 2 |
| T1233 | 1 | *Acer pseudoplatanus* Sycamore | 10.0 | 5 | 38 | NW 4.0 NE 3.0 SE 3.0 SW 4.0 | 1.0 | 1.0 | Early Mature | Fair | Decay / structural defect - Base. Decay / structural defect - Bole. Reaction wood / Adaptive growth - Base. Reaction wood / Adaptive growth - Stem / stems. Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 65.4 | 4.6 | 20-40 | B | 2 |
| T1234 | 1 | *Acer pseudoplatanus* Sycamore | 12.0 | 1 | 40 | N 4.5 E 4.0 S 3.0 W 3.0 | 3.0 | 3.0 | Early Mature | Good | Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 72.4 | 4.8 | 40+ | B | 2 |
| G1235 | 20<br>5<br>1 | *Sambucus nigra* Elder<br>*Acer pseudoplatanus* Sycamore<br>*Salix caprea* Goat Willow/Great Sallow | 4.0 | 2 | 22 | N 2.0 E 2.0 S 2.0 W 2.0 | 1.0 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Natural regeneration. Not on topographical survey. Plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 23.5 | 2.7 | 10-20 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1236 | 12<br>5<br>1 | *Sambucus nigra* Elder<br>*Buddleja sp.* Buddleja<br>*Salix caprea* Goat Willow/Great Sallow | 4.0 | 5 | 22 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 0.5 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Natural regeneration. Not on topographical survey. Plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 22.6 | 2.7 | 10-20 | C | 2 |
| T1237 | 1 | *Fagus sylvatica* Common Beech | 4.5 | 1 | 23 | N 2.5 E 2.5 S 2.5 W 2.5 | 1.5 | 1.5 | Early Mature | Good | Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 23.9 | 2.8 | 40+ | B | 2 |
| T1238 | 1 | *Quercus robur* English Oak | 9.0 | 1 | 37 | NW 5.0 NE 7.0 SE 7.0 SW 5.0 | 0.5 | 1.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 61.9 | 4.4 | 40+ | B | 2 |
| G1239 | 2 | *Sambucus nigra* Elder | 3.0 | 2 | 18 | N 1.5 E 1.5 S 1.5 W 1.5 | 0.5 | 0.5 | Early Mature | Fair | Natural regeneration. Not on topographical survey. Plotted freehand. | 15.3 | 2.2 | 10-20 | C | 2 |
| G1240 | 4<br>4 | *Cerasus avium* Wild Cherry<br>*Salix sp.* Willow sp. | 13.0 | 1 | 30 | N 4.0 E 4.0 S 4.0 W 4.0 | 2.0 | 2.0 | Early Mature | Fair | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Not on topographical survey. Plotted freehand. | 40.7 | 3.6 | 20-40 | B | 2 |
| T1241 | 1 | *Sambucus nigra* Elder | 4.5 | 4 | 20 | N 2.5 E 2.5 S 1.0 W 1.0 | 0.5 | 1.0 | Early Mature | Fair | Natural regeneration. Not on topographical survey, plotted freehand. | 18.1 | 2.4 | 10-20 | C | 2 |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1242 | 1 | *Salix caprea* Goat Willow/Great Sallow | 5.0 | 3 | 25 | N 2.0 E 2.0 S 2.0 W 2.0 | 0.5 | 1.0 | Early Mature | Fair | Access to inspect base - Not possible. Base / stems obscured - Vegetation. Natural regeneration. Not on topographical survey, plotted freehand. !9/11/20 JC neighbouring tree stems collapsed onto tree. | 30.5 | 3.1 | 10-20 | C | 2 |
| T1243 | 1 | *Salix caprea* Goat Willow/Great Sallow | 4.0 | 1 | 23 | NW 1.0 NE 11.0 SE 1.0 SW 0.0 | 0.0 | 0.5 | Early Mature | Fair | Crown conflict - Structure / boundary / wire / tree. Fallen tree / trees - Whole tree. Not on topographical survey, plotted freehand. 19/11/20 JC tree collapsed along fence line onto neighbouring tree. Still rooted. | | | 0-10 | U | |
| T1244 | 1 | *Salix caprea* Goat Willow/Great Sallow | 11.0 | 4 | 50 | NW 6.0 NE 7.0 SE 5.0 SW 3.0 | 2.0 | 1.5 | Early Mature | Fair | Fallen tree / trees - Partial collapse. Not on topographical survey, plotted freehand. 19/11/20 JC one stem collapsed onto neighbouring tree. | 113.1 | 6.0 | 10-20 | C | 2 |
| G1245 | 1<br>1 | *Salix caprea* Goat Willow/Great Sallow<br>*Acer pseudoplatanus* Sycamore | 3.5 | 1 | 12 | N 1.0 E 1.5 S 1.0 W 1.0 | 1.0 | 0.5 | Semi Mature | Fair | Crown conflict - Structure / boundary / wire / tree. Die-back - Upper crown. Decay / structural defect - Bole. Not on topographical survey. Plotted freehand. | | | 0-10 | U | |
| T1246 | 1 | *Acer pseudoplatanus* Sycamore | 14.0 | 1 | 45 | N 4.5 E 4.5 S 3.5 W 4.5 | 1.0 | 2.0 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Poor past pruning. Not on topographical survey, plotted freehand. | 91.6 | 5.4 | 20-40 | B | 2 |
| T1247 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.5 | 1 | 12 | NW 0.5 NE 1.5 SE 2.0 SW 1.5 | 1.5 | 1.5 | Semi Mature | Good | Natural regeneration. Suppressed crown - Minor. Not on topographical survey, plotted freehand. | 6.5 | 1.4 | 20-40 | C | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1248 | 1 | *Salix caprea* Goat Willow/Great Sallow | 12.0 | 1 | 55 | N 4.5 E 7.0 S 3.0 W 4.5 | 4.0 | 1.5 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Not on topographical survey, plotted freehand. | 136.8 | 6.6 | 20-40 | B | 2 |
| G1249 | 2 | *Salix caprea* Goat Willow/Great Sallow | 4.5 | 1 | 25 | N 2.0 E 2.5 S 3.0 W 3.0 | 1.5 | 0.5 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Crown conflict - Structure / boundary / wire / tree. Decay / structural defect - Bole. Natural regeneration. Not on topographical survey. Plotted freehand. | 28.3 | 3.0 | 10-20 | C | 2 |
| G1250 | 2<br>2 | *Salix caprea* Goat Willow/Great Sallow<br>*Sambucus nigra* Elder | 5.0 | 1 | 30 | N 2.5 E 2.5 S 2.5 W 2.5 | 0.5 | 0.5 | Early Mature | Dead | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Dead tree / trees. Not on topographical survey. Plotted freehand. | | | 0-10 | U | |
| T1251 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 5.0 | 2 | 18 | N 2.5 E 2.0 S 2.0 W 2.0 | 2.0 | 2.0 | Early Mature | Fair | Base / stems obscured - Structure. Crown conflict - Structure / boundary / wire / tree. Foreign object - Ingrown metal. Not on topographical survey, plotted freehand. | 15.3 | 2.2 | 10-20 | C | 2 |
| T1252 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 5.5 | 2 | 24 | N 3.0 E 2.5 S 2.0 W 2.5 | 3.0 | 2.5 | Early Mature | Fair | Base / stems obscured - Structure. Crown conflict - Structure / boundary / wire / tree. Not on topographical survey, plotted freehand. | 26.1 | 2.9 | 20-40 | B | 2 |

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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1253 | 1 | *Corylus avellana* Common Hazel | 3.0 | 12 | 20 | N E S W 2.0 2.0 1.0 1.0 | 1.0 | 1.0 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 19.5 | 2.5 | 10-20 | C | 2 |
| T1254 | 1 | *Buddleja sp.* Buddleja | 4.0 | 10 | 44 | NW NE SE SW 5.0 5.0 3.5 5.0 | 0.5 | 0.5 | Mature | Fair | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 88.7 | 5.3 | 10-20 | C | 2 |
| T1255 | 1 | *Salix caprea* Goat Willow/Great Sallow | | 1 | | | 1.0 | | Early Mature | | Leaning trunk - Minor. Unbalanced crown - Major. Not on topographical survey, plotted freehand. **Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | | | | C | 2 |
| T1256 | 1 | *Sorbus aria* Whitebeam | 7.0 | 1 | 14 | N E S W 1.0 2.0 2.0 1.0 | 4.0 | 3.5 | Semi Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 8.9 | 1.7 | 20-40 | C | 2 |
| T1257 | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 2 | 14 | N E S W 1.5 2.5 1.5 1.0 | 0.5 | 0.5 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Crown conflict - Structure / boundary / wire / tree. Foreign object - Ingrown metal. Not on topographical survey, plotted freehand. 20/11/20 JC conflict with fencing. | | | 0-10 | U | |



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| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1258 | 1 | *Sorbus aria* Whitebeam | 5.0 | 1 | 14 | N 1.0 E 2.5 S 2.5 W 2.0 | 2.0 | 2.0 | Semi Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Crown conflict - Structure / boundary / wire / tree. Foreign object - Ingrown metal. Not on topographical survey, plotted freehand. | 8.9 | 1.7 | 10-20 | C | 2 |
| T1259 | 1 | *Fraxinus ornus* Manna Ash | 7.0 | 1 | 25 | N 2.5 E 2.5 S 2.5 W 2.5 | 2.0 | 2.0 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 28.3 | 3.0 | 20-40 | B | 2 |
| T1260 | 1 | *Fraxinus excelsior* Ash | 7.0 | 1 | 14 | N 2.0 E 2.0 S 2.5 W 2.0 | 2.0 | 2.0 | Semi Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 8.9 | 1.7 | 20-40 | C | 2 |
| T1261 | 1 | *Fraxinus ornus* Manna Ash | 4.0 | 1 | 8 | N 0.0 E 2.0 S 1.5 W 0.0 | 2.5 | 2.5 | Semi Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Leaning trunk - Minor. Natural regeneration. Not on topographical survey, plotted freehand. | 2.9 | 1.0 | 40+ | C | 2 |
| T1262 | 1 | *Fraxinus ornus* Manna Ash | 5.0 | 1 | 11 | N 1.5 E 2.5 S 1.5 W 0.0 | 3.0 | 3.0 | Semi Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Natural regeneration. Not on topographical survey, plotted freehand. | 5.5 | 1.3 | 40+ | C | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1263 | 1 | *Buddleja sp.*<br>Buddleja | 5.0 | 6 | 29 | N E S W<br>4.0 3.5 1.5 2.0 | 1.0 | 1.5 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Decay / structural defect - Principal stems. Natural regeneration. Not on topographical survey, plotted freehand. | 39.1 | 3.5 | 10-20 | C | 2 |
| T1264 | 1 | *Crataegus monogyna*<br>Common Hawthorn/Quick/May | 4.5 | 1 | 17 | N E S W<br>2.0 3.5 2.5 2.5 | 1.0 | 0.5 | Early Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 13.1 | 2.0 | 40+ | C | 2 |
| G1265 | 2 | *Fraxinus ornus*<br>Manna Ash | 6.0 | 1 | 17 | N E S W<br>2.0 2.0 2.0 2.0 | 2.0 | 2.0 | Semi Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Natural regeneration. Not on topographical survey. Plotted freehand. | 13.1 | 2.0 | 40+ | C | 2 |
| G1266 | 4 | *Buddleja sp.*<br>Buddleja | 4.0 | 3 | 13 | N E S W<br>2.0 3.0 2.0 1.0 | 1.0 | 0.5 | Semi Mature | Fair | Natural regeneration. Not on topographical survey. Plotted freehand. | 8.7 | 1.7 | 20-40 | C | 2 |
| G1267 | 1<br>1<br>1 | *Acer campestre*<br>Field Maple<br>*Fraxinus excelsior*<br>Ash<br>*Salix caprea*<br>Goat Willow/Great Sallow | 6.0 | 1 | 15 | N E S W<br>1.5 2.0 1.5 1.5 | 1.5 | 1.0 | Semi Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Natural regeneration. Not on topographical survey. Plotted freehand. | 10.2 | 1.8 | 20-40 | C | 2 |
| T1268 | 1 | *Betula pendula*<br>Silver Birch | 15.0 | 1 | 35 | N E S W<br>3.5 3.5 3.5 3.5 | 2.0 | 1.5 | Early Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 55.4 | 4.2 | 40+ | B | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1269 | 10<br>3<br>3<br>3<br>2<br>1<br>1 | *Populus tremula* Aspen<br>*Salix caprea* Goat Willow/Great Sallow<br>*Salix sp.* Willow sp.<br>*Fraxinus excelsior* Ash<br>*Buddleja sp.* Buddleja<br>*Sambucus nigra* Elder<br>*Sorbus aria* Whitebeam | 8.0 | 1 | 12 | N 1.5 E 1.5 S 1.5 W 1.5 | 3.0 | 2.5 | Semi Mature | Good | Access to inspect base - Not possible. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Natural regeneration. Not on topographical survey. Plotted freehand. | 6.5 | 1.4 | 40+ | C | 2 |
| T1270 | 1 | *Salix caprea* Goat Willow/Great Sallow | 10.0 | 6 | 68 | NW 6.0 NE 6.0 SE 5.0 SW 5.0 | 2.0 | 1.0 | Early Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Fork - Weak with included bark. Not on topographical survey, plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 212.8 | 8.2 | 20-40 | B | 2 |
| T1271 | 1 | *Betula pendula* Silver Birch | 10.0 | 1 | 21 | N 1.5 E 1.5 S 1.5 W 1.5 | 6.0 | 4.0 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Not on topographical survey, plotted freehand. | 20.0 | 2.5 | 40+ | B | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1272 | 1 | *Salix caprea* Goat Willow/Great Sallow | 10.0 | 7 | 74 | NW 4.0 NE 5.5 SE 4.0 SW 4.0 | 2.0 | 0.5 | Early Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Fork - Weak with included bark. Not on topographical survey, plotted freehand. | 248.3 | 8.9 | 20-40 | B | 2 |
| G1273 | 25<br>12<br>3 | *Fraxinus excelsior* Ash<br>*Salix caprea* Goat Willow/Great Sallow<br>*Betula pendula* Silver Birch | 8.0 | 1 | 12 | N 2.0 E 2.0 S 2.0 W 2.0 | 2.0 | 1.5 | Semi Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Natural regeneration. Not on topographical survey. Plotted freehand. | 6.5 | 1.4 | 40+ | C | 2 |
| T1274 | 1 | *Salix caprea* Goat Willow/Great Sallow | 5.0 | 5 | 44 | NW 5.0 NE 4.0 SE 4.0 SW 4.0 | 1.0 | 0.5 | Early Mature | Fair | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Foreign object - Ingrown metal. Not on topographical survey, plotted freehand. | 90.5 | 5.4 | 10-20 | C | 2 |
| G1275 | 25<br>15<br>10<br>3<br>3 | *Betula pendula* Silver Birch<br>*Salix caprea* Goat Willow/Great Sallow<br>*Fraxinus excelsior* Ash<br>*Populus tremula* Aspen<br>*Sorbus aria* Whitebeam | 12.0 | 1 | 20 | N 3.5 E 3.5 S 3.5 W 3.5 | 1.5 | 1.5 | Early Mature | Good | Access to inspect base - Restricted / obscured. Base / stems obscured - Structure. Base / stems obscured - Vegetation. Natural regeneration. Not on topographical survey. Plotted freehand. | 18.1 | 2.4 | 40+ | B | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1276 | 125<br>25<br>25<br>20<br>15<br>5<br>5<br>3<br>1 | *Larix sp.*<br>Larch sp.<br>*Sambucus nigra*<br>Elder<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Corylus avellana*<br>Common Hazel<br>*Pinus sylvestris*<br>Scots Pine<br>*Ilex aquifolium*<br>Holly<br>*Acer platanoides*<br>Norway Maple<br>*Carpinus betulus*<br>Hornbeam<br>*Acer pseudoplatanus*<br>Sycamore | 14.0 | 1 | 30 | N 2.5<br>E 2.5<br>S 2.5<br>W 2.5 | 1.0 | 1.5 | Early Mature | Poor | Competition - Adjacent trees. Coppice stool - Coppice origin / Mature stems. Dead tree / trees. Fallen tree / trees - Partial collapse. Fallen tree / trees - Whole tree. Predominantly larch. Dead and dying trees. Historically coppiced hazel and holly along Northern boundary.<br>Not on topographical survey. Plotted freehand.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 40.7 | 3.6 | 10-20 | C | 2 |
| G1277 | 2 | *Carpinus betulus*<br>Hornbeam | 10.0 | 8 | 70 | N 6.5<br>E 6.5<br>S 6.5<br>W 6.5 | 0.5 | 2.5 | Early Mature | Fair | Coppice stool - Coppice origin / Mature stems. Not on topographical survey. Plotted freehand. | 226.2 | 8.5 | 20-40 | B | 2<br>3 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1278 | 24 | *Fagus sylvatica* Common Beech | 13.0 | 1 | 30 | N E S W<br>5.0 5.0 5.0 5.0 | 1.5 | 1.5 | Early Mature | Fair | Decay / structural defect - Base. Fork - Weak with included bark. Not on topographical survey. Plotted freehand. | 40.7 | 3.6 | 20-40 | B | 2 |
| | 6 | *Sambucus nigra* Elder | | | | | | | | | | | | | | |
| | 5 | *Corylus avellana* Common Hazel | | | | | | | | | | | | | | |
| | 3 | *Larix sp.* Larch sp. | | | | | | | | | | | | | | |
| | 1 | *Crataegus monogyna* Common Hawthorn/Quick/May | | | | | | | | | | | | | | |
| | 1 | *Pinus sylvestris* Scots Pine | | | | | | | | | | | | | | |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1279 | 120<br>80<br>50<br>40<br>15<br>10<br>8<br>8<br>5 | *Cupressus sp.* Cypress sp.<br>*Larix sp.* Larch sp.<br>*Fagus sylvatica* Common Beech<br>*Pinus sylvestris* Scots Pine<br>*Corylus avellana* Common Hazel<br>*Acer platanoides* Norway Maple<br>*Ilex aquifolium* Holly<br>*Aesculus hippocastanum* Horse Chestnut<br>*Carpinus betulus* Hornbeam | 13.0 | 1 | 35 | N 5.0 E 5.0 S 5.0 W 5.0 | 1.5 | 1.5 | Early Mature | Fair | Competition - Adjacent trees. Coppice stool - Coppice origin / Mature stems. Dead tree / trees. Fallen tree / trees - Partial collapse. Fallen tree / trees - Whole tree. Not on topographical survey. Plotted freehand. Mixed plantation. Coppice along Northern boundary.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 55.4 | 4.2 | 20-40 | C | 2 |
| T1280 | 1 | *Acer platanoides* Norway Maple | 16.0 | 1 | 45 | NW 7.0 NE 5.0 SE 5.0 SW 6.0 | 3.0 | 3.0 | Early Mature | Fair | Altered ground level - Recent. Decay / structural defect in crown limb / limbs - Localised. Decay / structural defect - Base. Decay / structural defect - Bole. Not on topographical survey, plotted freehand. | 91.6 | 5.4 | 10-20 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1281 | 55<br><br>7 | *Cupressus sp.*<br>Cypress sp.<br><br>*Larix sp.*<br>Larch sp. | 14.0 | 1 | 35 | N E S W<br>3.0 3.0 3.0 3.0 | 1.5 | 3.0 | Early Mature | Fair | Not on topographical survey. Plotted freehand. Planted avenue. | 55.4 | 4.2 | 20-40 | B | 2 |
| G1282 | 8<br><br>4<br><br>3<br><br>1<br><br>1 | *Corylus avellana*<br>Common Hazel<br><br>*Ilex aquifolium*<br>Holly<br><br>*Sambucus nigra*<br>Elder<br><br>*Acer campestre*<br>Field Maple<br><br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May | 6.0 | 8 | 33 | N E S W<br>4.0 4.0 4.0 4.0 | 0.5 | 1.0 | Early Mature | Fair | Coppice stool - Coppice origin / Mature stems. Not on topographical survey. Plotted freehand. | 52.1 | 4.1 | 10-20 | C | 2<br>3 |
| T1283 | 1 | *Quercus robur*<br>English Oak | 13.0 | 1 | 120 | NW NE SE SW<br>7.0 8.0 6.5 7.5 | 2.0 | 3.5 | Early Mature | Fair | Bark wound - Mechanical. Decay / structural defect in crown limb / limbs - Localised. Shedding limb / limbs - Historic. Shedding limb / limbs - Major. Not on topographical survey, plotted freehand. | 651.4 | 14.4 | 40+ | B | 2 |
| G1284 | 10 | *Tilia sp.*<br>Lime sp. | 15.0 | 1 | 55 | NW NE SE SW<br>6.0 6.0 6.0 6.0 | 1.5 | 3.0 | Early Mature | Good | Not on topographical survey. Plotted freehand. | 136.8 | 6.6 | 20-40 | B | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1285 | 6<br>3<br>1 | *Prunus spinosa* Blackthorn/Sloe<br>*Sambucus nigra* Elder<br>*Crataegus monogyna* Common Hawthorn/Quick/May | 4.0 | 5 | 17 | NW NE SE SW<br>1.5 1.5 1.5 1.5 | 0.5 | 0.5 | Early Mature | Poor | Base / stems obscured - Vegetation. Hedgerow - Neglected / overgrown. Ivy or climbing plant. Not on topographical survey. Plotted freehand. | 14.5 | 2.1 | 10-20 | C | 2 |
| H1286 | 50<br>30<br>5 | *Prunus spinosa* Blackthorn/Sloe<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Sambucus nigra* Elder | 2.5 | 6 | 14 | NW NE SE SW<br>1.0 1.0 1.0 1.0 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Hedgerow - Maintained. Ivy or climbing plant. Not on topographical survey. Plotted freehand. | 9.8 | 1.8 | 20-40 | C | 2 |
| G1287 | 5<br>3<br>1<br>1 | *Cerasus avium* Wild Cherry<br>*Crataegus monogyna* Common Hawthorn/Quick/May<br>*Ilex aquifolium* Holly<br>*Sambucus nigra* Elder | 6.0 | 6 | 34 | NW NE SE SW<br>3.0 3.0 3.0 3.0 | 2.0 | 1.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Ivy or climbing plant. Not on topographical survey. Plotted freehand. | 53.2 | 4.1 | 10-20 | C | 2 |
| T1288 | 1 | *Salix sp.* Willow sp. | 4.0 | 3 | 61 | NW NE SE SW<br>1.0 3.0 3.0 1.0 | 3.0 | 2.5 | Early Mature | Poor | Decay / structural defect in crown limb / limbs - Localised. Not on topographical survey, plotted freehand. Tree topped at 3 metres. | 172.9 | 7.4 | 10-20 | C | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1289 | 1 | *Cerasus avium*<br>Wild Cherry | 7.0 | 1 | 36 | NW NE SE SW<br>4.0 4.0 4.0 4.0 | 2.0 | 1.0 | Early Mature | Fair | Decay / structural defect in crown limb / limbs - Localised. Decay / structural defect - Base. Not on topographical survey, plotted freehand. | 58.6 | 4.3 | 20-40 | C | 2 |
| T1290 | 1 | *Ilex aquifolium*<br>Holly | 8.0 | 2 | 49 | NW NE SE SW<br>3.5 3.5 3.5 3.5 | 1.0 | 2.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 110.8 | 5.9 | 20-40 | B | 2 |
| H1291 | 10<br>8<br>4<br>1<br>1 | *Prunus spinosa*<br>Blackthorn/Sloe<br>*Crataegus monogyna*<br>Common Hawthorn/Quick/May<br>*Acer campestre*<br>Field Maple<br>*Laurocerasus officinalis*<br>Cherry Laurel<br>*Sambucus nigra*<br>Elder | 4.0 | 1 | 30 | NW NE SE SW<br>2.0 2.0 2.0 2.0 | 1.0 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Crown reduction - Historic. Hedgerow - Neglected / overgrown. Ivy or climbing plant. Not on topographical survey. Plotted freehand. | 40.7 | 3.6 | 10-20 | C | 2 |
| G1292 | 3 | *Cupressus sp.*<br>Cypress sp. | 16.0 | 1 | 55 | NW NE SE SW<br>4.5 4.5 4.5 4.5 | 2.5 | 0.5 | Early Mature | Fair | Shedding limb / limbs - Major. Shedding limb / limbs - Recent. Not on topographical survey. Plotted freehand. | 136.8 | 6.6 | 20-40 | B | 2 |
| T1293 | 1 | *Malus sp.*<br>Apple sp. | 3.0 | 1 | 23 | NW NE SE SW<br>3.5 3.5 3.5 3.5 | 1.5 | 1.5 | Early Mature | Fair | Poor past pruning. Not on topographical survey, plotted freehand. | 23.9 | 2.8 | 40+ | C | 2 |
| G1294 | 3 | *Laurocerasus officinalis*<br>Cherry Laurel | 7.0 | 8 | 39 | NW NE SE SW<br>3.0 5.0 3.0 3.0 | 0.5 | 0.5 | Early Mature | Fair | Arboricultural work - Recent. Not on topographical survey. Plotted freehand. | 70.9 | 4.8 | 20-40 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H1295 | 50 | *Fagus sylvatica*<br>Common Beech | 2.0 | 1 | 12 | NW 0.5 NE 0.5 SE 0.5 SW 0.5 | 0.5 | 0.5 | Early Mature | Good | Hedgerow - Maintained. Not on topographical survey. Plotted freehand. | 6.5 | 1.4 | 20-40 | C | 2 |
| G1296 | 12<br><br>5 | *Malus sp.*<br>Apple sp.<br><br>*Prunus sp.*<br>Cherry sp. | 5.0 | 1 | 20 | N 3.5 E 3.5 S 3.5 W 3.5 | 1.5 | 1.5 | Early Mature | Fair | Not on topographical survey. Plotted freehand. | 18.1 | 2.4 | 20-40 | B | 2 |
| T1297 | 1 | *Fagus sylvatica*<br>Common Beech | 20.0 | 1 | 62 | N 7.0 E 7.0 S 7.0 W 7.0 | 2.0 | 5.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 173.9 | 7.4 | 40+ | B | 2 |
| T1298 | 1 | *Cedrus atlantica*<br>Atlas Cedar | 15.0 | 1 | 61 | NW 4.0 NE 5.5 SE 8.0 SW 3.5 | 2.0 | 3.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 168.3 | 7.3 | 40+ | B | 2 |
| G1299 | 13<br><br>3 | *Carpinus betulus*<br>Hornbeam<br><br>*Fagus sylvatica*<br>Common Beech | 12.0 | 1 | 30 | N 4.0 E 4.0 S 4.0 W 4.0 | 2.0 | 2.0 | Early Mature | Good | Not on topographical survey. Plotted freehand. | 40.7 | 3.6 | 20-40 | B | 2 |
| T1300 | 1 | *Malus sp.*<br>Apple sp. | 4.5 | 1 | 15 | N 3.5 E 3.0 S 2.0 W 3.0 | 1.5 | 1.0 | Early Mature | Poor | Not on topographical survey, plotted freehand. | 10.2 | 1.8 | 10-20 | C | 2 |
| T1301 | 1 | *Fagus sylvatica*<br>Common Beech | 14.0 | 1 | 62 | N 7.0 E 6.0 S 7.0 W 7.0 | 2.0 | 2.5 | Early Mature | Good | Not on topographical survey, plotted freehand. | 173.9 | 7.4 | 40+ | B | 2 |
| T1302 | 1 | *Fagus sylvatica*<br>Common Beech | 16.0 | 1 | 64 | NW 6.0 NE 6.0 SE 5.0 SW 5.0 | 3.5 | 4.0 | Early Mature | Good | Fork - Weak with included bark. Not on topographical survey, plotted freehand. | 185.3 | 7.7 | 40+ | B | 2 |
| S1303 | 1 | *unrecognized*<br>Unrecognised | 3.0 | 12 | 17 | N 1.5 E 1.5 S 1.5 W 1.5 | 1.0 | 1.0 | Early Mature | Good | Not on topographical survey, plotted freehand. | 13.6 | 2.1 | 10-20 | C | 2 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T1304 | 1 | *Rhus sp.*<br>Sumach | 2.5 | 1 | 15 | N E S W<br>2.5 2.5 2.5 2.5 | 1.5 | 1.5 | Early Mature | Poor | Not on topographical survey, plotted freehand. | 10.2 | 1.8 | 10-20 | C | 2 |
| T1305 | 1 | *Acer platanoides*<br>Norway Maple | 18.0 | 2 | 72 | N E S W<br>8.0 6.0 6.0 7.0 | 2.5 | 2.0 | Early Mature | Fair | Not on topographical survey, plotted freehand. | 236.8 | 8.7 | 20-40 | B | 2 |
| T1306 | 1 | *Betula pendula*<br>Silver Birch | 14.0 | 1 | 54 | NW NE SE SW<br>3.0 5.0 6.0 5.0 | 2.5 | 4.0 | Early Mature | Good | Base / stems obscured - Vegetation. Ivy or climbing plant. Not on topographical survey, plotted freehand. | 131.9 | 6.5 | 20-40 | B | 2 |
| G1307 | 4<br>2<br>2<br>1<br>1<br>1<br>1<br>1 | *Betula pendula*<br>Silver Birch<br>*Cupressus sp.*<br>Cypress sp.<br>*Sorbus intermedia*<br>Swedish Whitebeam<br>*Fagus sylvatica*<br>Common Beech<br>*Acer platanoides*<br>Norway Maple<br>*Tilia sp.*<br>Lime sp.<br>*Acer pseudoplatanus*<br>Sycamore<br>*Cerasus avium*<br>Wild Cherry | 14.0 | 1 | 30 | N E S W<br>5.0 5.0 5.0 5.0 | 2.0 | 2.5 | Early Mature | Good | Not on topographical survey. Plotted freehand. | 40.7 | 3.6 | 20-40 | B | 2 |



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# Luton Airport
# Tree Survey BS5837-2012

Treework Environmental Practice

| Tree/Group Reference | Tree Count | Species | Height (m) | Stem Count | Stem Diameter (cm) | Crown Radius (m) | Crown Clearance Height (m) | Lowest Branch Height (m) | Life Stage | Physiological Condition | Observations and Recommendations | RPA ($m^2$) | RPR (m) | Remaining Contribution (Years) | Retention Category | Retention Sub-category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1308 | 60<br>50<br>40<br>20<br>8<br>4<br>2<br>1 | *Fagus sylvatica* Common Beech<br>*Larix sp.* Larch sp.<br>*Pinus sylvestris* Scots Pine<br>*Sambucus nigra* Elder<br>*Cupressus sp.* Cypress sp.<br>*Cerasus avium* Wild Cherry<br>*Tilia sp.* Lime sp.<br>*Sorbus intermedia* Swedish Whitebeam | 15.0 | 1 | 30 | N 4.0 E 4.0 S 4.0 W 4.0 | 1.0 | 3.0 | Early Mature | Fair | Competition - Adjacent trees. Dead tree / trees. Fallen tree / trees - Partial collapse. Fallen tree / trees - Whole tree. Not on topographical survey. Plotted freehand. Mixed plantation. | 40.7 | 3.6 | 20-40 | B | 2 |
| H1309 | 50<br>30 | *Crataegus monogyna* Common Hawthorn/Quick/May<br>*Prunus spinosa* Blackthorn/Sloe | 2.5 | 3 | 20 | N 0.5 E 0.5 S 0.5 W 0.5 | 0.5 | 0.5 | Early Mature | Fair | Base / stems obscured - Vegetation. Hedgerow - Maintained. Ivy or climbing plant.<br>**Fell - Ground level.** Remove as shown on the Tree Removal and Retention Plan. | 19.5 | 2.5 | 10-20 | C | 2 |
| T1310 | 1 | *Salix caprea* Goat Willow/Great Sallow | 9.0 | 3 | 57 | N 3.0 E 6.0 S 5.0 W 4.0 | 4.0 | 3.5 | Ancient or Veteran | Good | Ancient tree.<br>Layered, suckered hedge on the edge of the woodland. | 151.6 | 6.9 | 40+ | A | 3 |



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# Tree Schedule Key

| | |
|---|---|
| **Tree/Group Reference** | Reference number for individual trees or groups of trees, prefixed by T (Tree), G (Group), W (Woodland) or H (Hedge) to indicate type of feature. |
| **No. of Trees** | Number of trees of a particular species recorded within a group feature, with the default value of 1 for single trees. |
| **Tree or Group Species** | Scientific name followed by common name (where available). |
| **Height (m)** | Tree height to the nearest metre, either measured with laser device/clinometer or estimated. Tree height for group records refers to the estimated average height of trees within the group (unrepresentative trees within the group may be excluded from this estimate). |
| **DBH (cm)** | Stem Diameter at Breast Height, measured at 1.5 m above ground level in accordance with Annex C of BS5837: 2012. Diameters of multi-stemmed trees are presented as a combined stem diameter calculated in accordance with the formula in Section 4.6.1 of BS5837: 2012. Stem diameter for group records refers to the estimated average stem diameter of trees within the group (unrepresentative trees within the group may be excluded from this estimate). |
| **No. of Stems** | Number of stems (indicates whether tree is single-stemmed or multi-stemmed). |
| **Spread N/S/E/W (m)** | Spread of the tree crown in the four cardinal directions, estimated to the nearest half metre. Crown spreads for group records refer to the estimated average spreads of trees within the group (unrepresentative trees within the group may be excluded from this estimate). |
| **Crown Clearance (m)** | Distance between the ground and the lowest point of the crown periphery, estimated to the nearest half metre. |
| **Age Class** | Young, Semi-mature, Early Mature, Mature, Late Mature, Ancient or Veteran. |
| **Physiological Condition** | Good, Fair, Poor, Dead. |
| **Structural Condition** | Good, Fair, Poor. |
| **Tree/Group Condition/ Recommendations** | General observations, such as basic features and morphology, structural and physiological condition, and relevant growing conditions, with management recommendations to facilitate the proposed development, including trees to be removed. |
| **RPA ($m^2$)** | Minimum area around a tree deemed to contain sufficient roots and rooting soil volume to main the tree's viability, in which the protection of roots and soil structure is treated as a priority, calculated from the DBH according to the formula in BS5837: 2012. Group RPAs are calculated based on a single average tree in the group (unrepresentative trees within the group may be excluded from the estimate of the average). |
| **RPR ($m^2$)** | Radius in metres of the RPA. |
| **Remaining Contribution** | Estimated number of years for which the tree will continue to make a positive contribution to the site, banded as < 10, 10-20, 20-40, 40 +. |
| **BS Category** | Quality and value category (A, B, C or U) as defined in Table 1 of BS5837:2012 (reproduced below), where A = high quality and value; B = moderate quality and value; C = low quality and value and U = tree identified for removal due to poor condition. One or more sub-categories (1-3) for Categories A-C are assigned, where 1 = arboricultural qualities, 2 = landscape qualities and 3 = conservation and cultural value. |

Table 1 **Cascade chart for tree quality assessment**

| Category and definition | Criteria (including subcategories where appropriate) | | | Identification on plan |
|---|---|---|---|---|
| **Trees unsuitable for retention** (see Note) | | | | |
| **Category U**<br>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 | • Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning)<br>• Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline<br>• Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality<br>*NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7.* | | | See Table 2 |
| | **1 Mainly arboricultural qualities** | **2 Mainly landscape qualities** | **3 Mainly cultural values, including conservation** | |
| **Trees to be considered for retention** | | | | |
| **Category A**<br>**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 semi-formal 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) | See Table 2 |
| **Category B**<br>**Trees of moderate quality** with an estimated remaining life expectancy of at least 20 years | Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation | Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality | Trees with material conservation or other cultural value | See Table 2 |
| **Category C**<br>**Trees of low quality** with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm | 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 | See Table 2 |

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# Appendix B

## Tree Retention and Removal Plan

N

W E

S

Eaton Green
Recycling Centre

Lighting Column

Long Term Car Park

Airport
Executive
Park

Recreation Ground

Raynham Way Community Centre

Kensal House

De Havilland House

Britannia House

Eaton House

Marlborough House

Wigmore House

Lutonia Park

Lutonia Pitch

Lutonia Pitch

Lutonia Pitch

N

W E

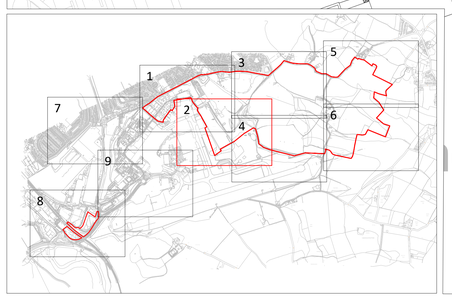
S

Eaton Green
Recycling Centre

Long Term Car Park

Lighting Column

Re-coppice and translocate to another area of the site.




ndon Luton Airport

T1 Tree or Group Reference Number

Tree Stem Position A Category Tree

Tree Stem Position B Category Tree

Tree Stem Position C Category Tree

Tree Stem Position U Category Tree

Tree Crown

Root Protection Area

RPA in accordance with Natural England Standing Advice

Trees Surveyed By Pell Frischmann

Pruning/Tree Removal Of Trees Surveyed By Pell Frischmann

Site Boundary

Pruning/Tree Removal

TPO Trees

Ancient Woodland

Veteran Trees

Trees Cleared As Part Of The NCP Development

Trees Cleared in Phase 1

Trees Cleared in Phase 2a

Trees Cleared in Phase 2b

Date:
November 2021

Scale:
1:1000 @ A0

Project Name:
Luton Airport

Drawing Title:
Tree Removal and Retention Plan

Drawing Number:
211209-4.2-LA-TRRP-NC 2 of 9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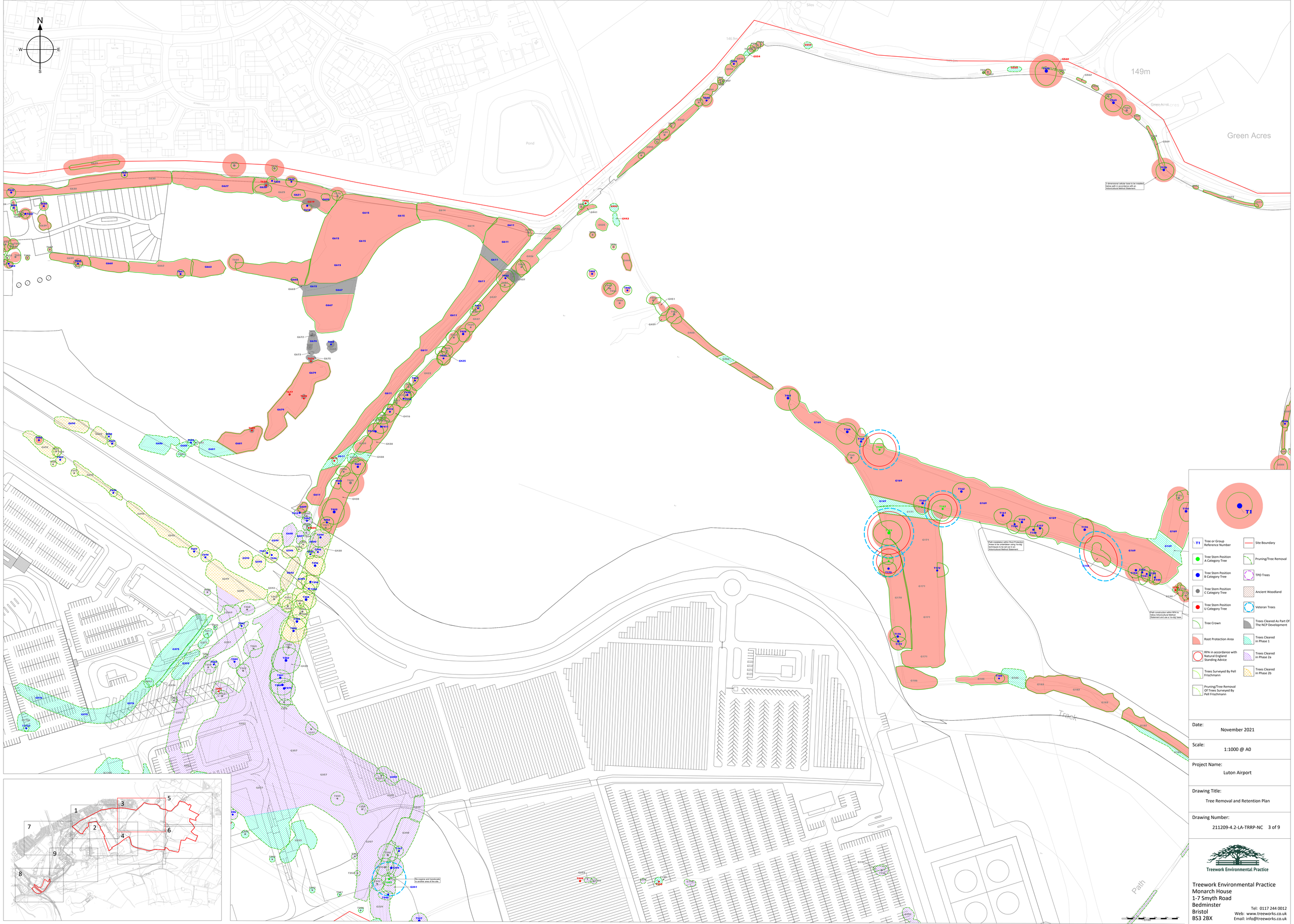


| | |
|---|---|
| T1 Tree or Group Reference Number | Site Boundary |
| Tree Stem Position A Category Tree | Pruning/Tree Removal |
| Tree Stem Position B Category Tree | TPO Trees |
| Tree Stem Position C Category Tree | Ancient Woodland |
| Tree Stem Position U Category Tree | Veteran Trees |
| Tree Crown | Trees Cleared As Part Of The NCP Development |
| Root Protection Area | Trees Cleared in Phase 1 |
| RPA in accordance with Natural England Standing Advice | Trees Cleared in Phase 2a |
| Trees Surveyed By Pell Frischmann | Trees Cleared in Phase 2b |
| Pruning/Tree Removal Of Trees Surveyed By Pell Frischmann | |

Date: November 2021

Scale: 1:1000 @ A0

Project Name: Luton Airport

Drawing Title: Tree Removal and Retention Plan

Drawing Number: 211209-4.2-LA-TRRP-NC 3 of 9

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Email: info@treeworks.co.uk

T1 Tree or Group Reference Number

Tree Stem Position A Category Tree

Tree Stem Position B Category Tree

Tree Stem Position C Category Tree

Tree Stem Position U Category Tree

Tree Crown

Root Protection Area

RPA in accordance with Natural England Standing Advice

Trees Surveyed By Pell Frischmann

Pruning/Tree Removal Of Trees Surveyed By Pell Frischmann

Site Boundary

Pruning/Tree Removal

TPO Trees

Ancient Woodland

Veteran Trees

Trees Cleared As Part Of The NCP Development

Trees Cleared in Phase 1

Trees Cleared in Phase 2a

Trees Cleared in Phase 2b

Date:
November 2021

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Drawing Title:
Tree Removal and Retention Plan

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T1

- Tree or Group Reference Number
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- Tree Stem Position B Category Tree
- Tree Stem Position C Category Tree
- Tree Stem Position U Category Tree
- Tree Crown
- Root Protection Area
- RPA in accordance with Natural England Standing Advice
- Trees Surveyed By Pell Frischmann
- Pruning/Tree Removal Of Trees Surveyed By Pell Frischmann
- Site Boundary
- Pruning/Tree Removal
- TPO Trees
- Ancient Woodland
- Veteran Trees
- Trees Cleared As Part Of The NCP Development
- Trees Cleared in Phase 1
- Trees Cleared in Phase 2a
- Trees Cleared in Phase 2b

Date: November 2021

Scale: 1:1000 @ A0

Project Name: Luton Airport

Drawing Title: Tree Removal and Retention Plan

Drawing Number: 211209-4.2-LA-TRRP-NC 6 of 9

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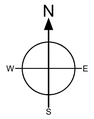


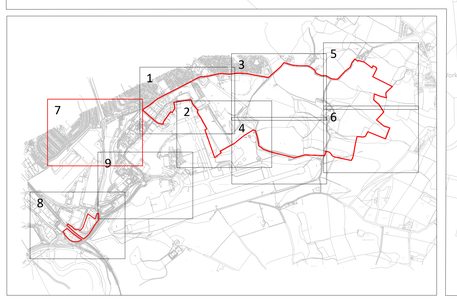


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Tree or Group Reference Number
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Tree Stem Position B Category Tree
Tree Stem Position C Category Tree
Tree Stem Position U Category Tree
Tree Crown
Root Protection Area
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Ancient Woodland
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Trees Cleared As Part Of The NCP Development
Trees Cleared in Phase 1
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Date:
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Works
EMPTON ROAD
Vauxhall Business Mall
Luton Retail Park
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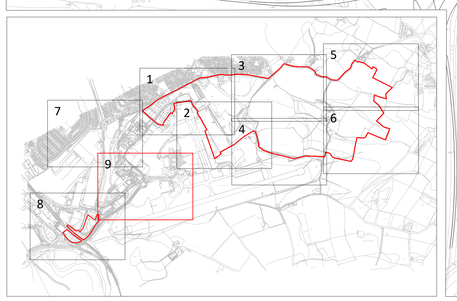


T1

Tree or Group Reference Number

Tree Stem Position A Category Tree

Tree Stem Position B Category Tree

Tree Stem Position C Category Tree

Tree Stem Position U Category Tree

Tree Crown

Root Protection Area

RPA in accordance with Natural England Standing Advice

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Pruning/Tree Removal Of Trees Surveyed By Pell Frischmann

Site Boundary

Pruning/Tree Removal

TPO Trees

Ancient Woodland

Veteran Trees

Trees Cleared As Part Of The NCP Development

Trees Cleared in Phase 1

Trees Cleared in Phase 2a

Trees Cleared in Phase 2b

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# Appendix C

## Tree Constraints Plan

T1

| | |
|---|---|
| Tree or Group Reference Number | Tree Stem Position A Category Tree |
| Tree Crown | Tree Stem Position B Category Tree |
| Root Protection Area | Tree Stem Position C Category Tree |
| Tree Survey Boundary | Tree Stem Position U Category Tree |
| TPO Trees | Veteran Trees |
| Ancient Woodland | RPA in accordance with Natural England Standing Advice |

Date: December 2021

Scale: 1:1000 @ A0

Project Name: Luton Airport

Drawing Title: Tree Constraints Plan

Drawing Number: 211209-3.2-LA-TCP-NC 1 of 8

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Eaton Green
Recycling Centre
PRESTWICK WAY
Posts
El Sub Sta
Lighting Column
Long Term Car Park
LONDON LUTON AIRPORT
Ponds
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G1123
G1122
G1121
G1119
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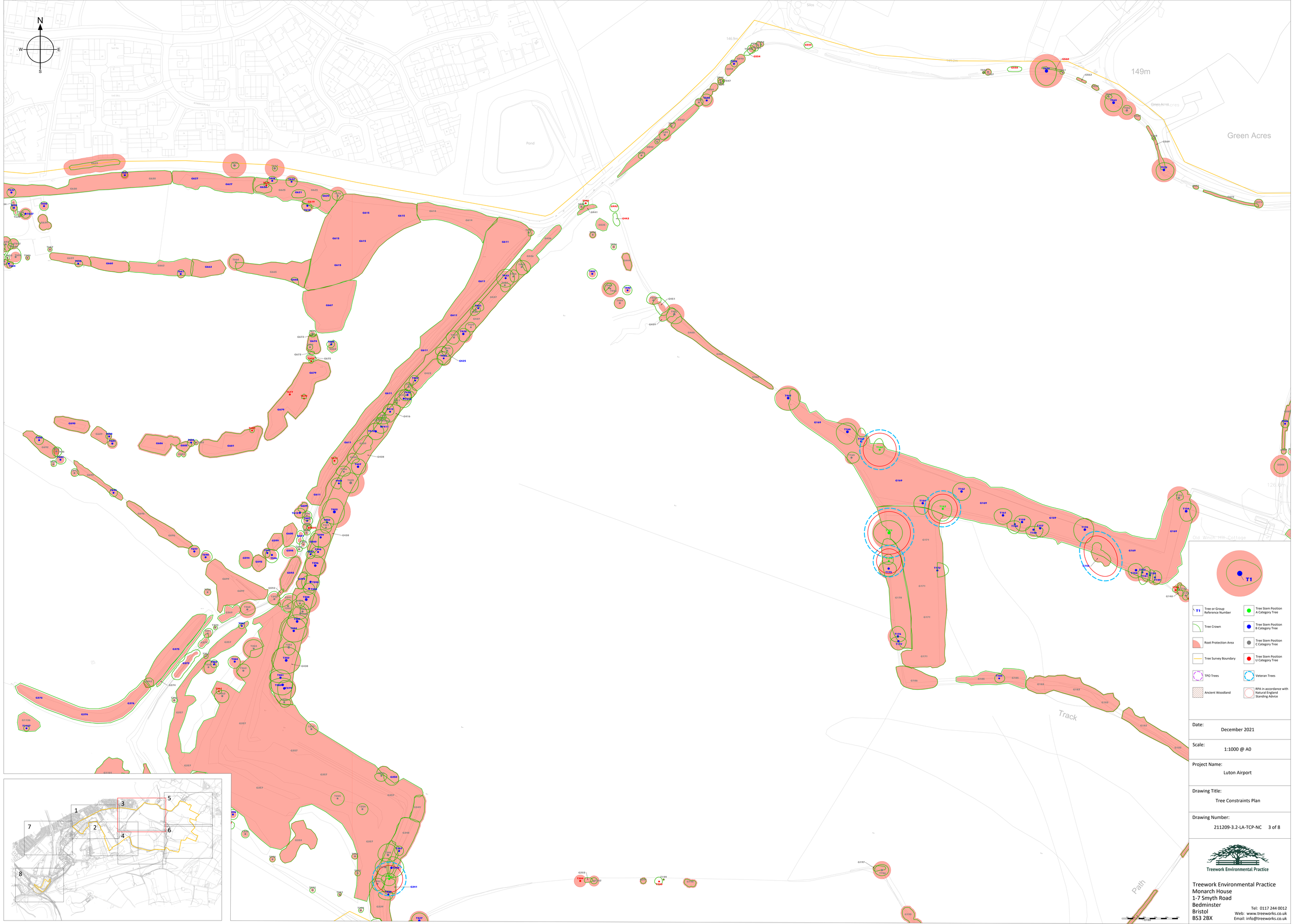





T1

Tree or Group Reference Number

Tree Crown

Root Protection Area

Tree Survey Boundary

TPO Trees

Ancient Woodland

Tree Stem Position A Category Tree

Tree Stem Position B Category Tree

Tree Stem Position C Category Tree

Tree Stem Position U Category Tree

Veteran Trees

RPA in accordance with Natural England Standing Advice

Date:
December 2021

Scale:
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Drawing Title:
Tree Constraints Plan

Drawing Number:
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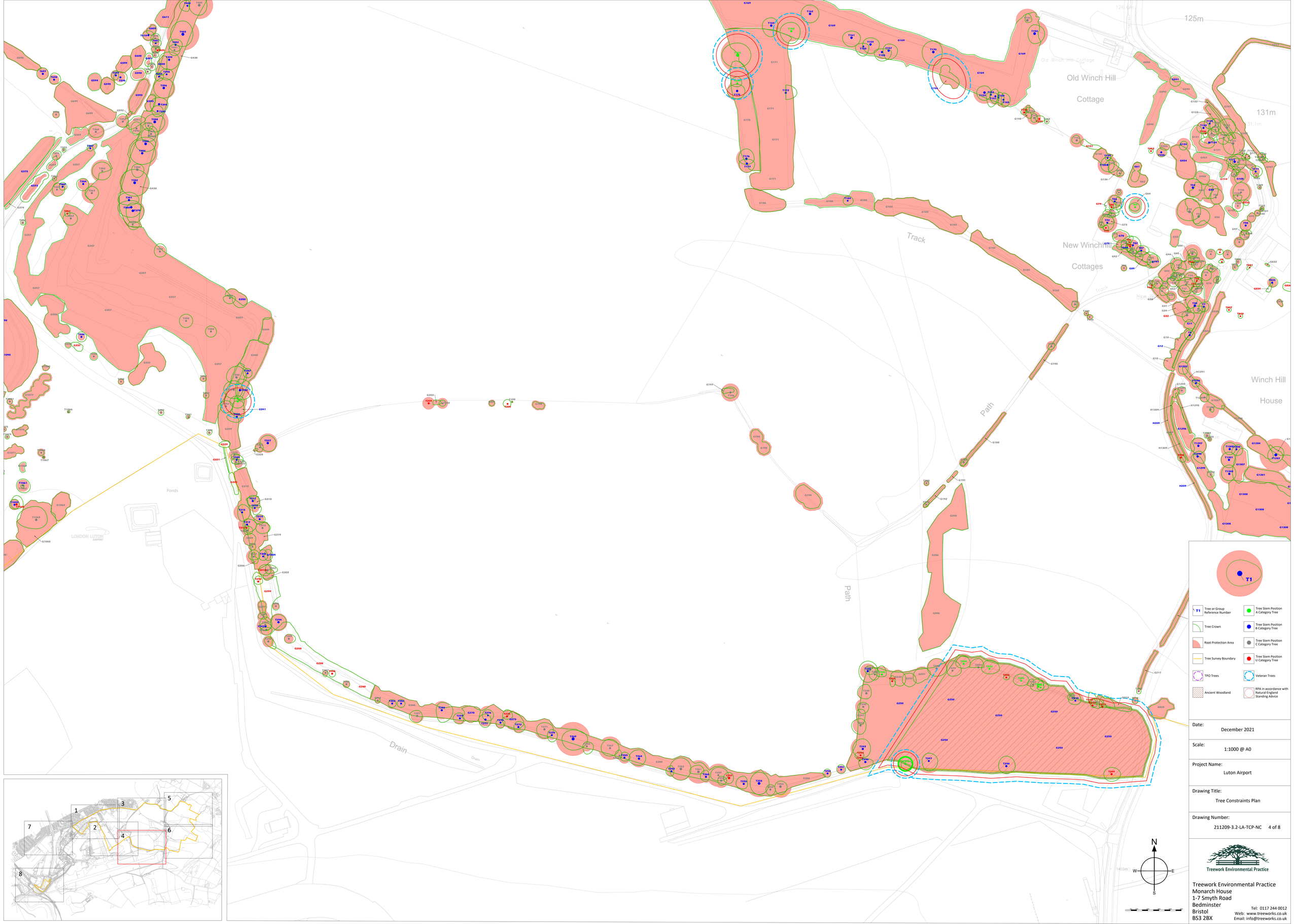


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Drawing Title: Tree Constraints Plan

Drawing Number: 211209-3.2-LA-TCP-NC 4 of 8

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T1

| | |
|---|---|
| T1 Tree or Group Reference Number | Tree Stem Position A Category Tree |
| Tree Crown | Tree Stem Position B Category Tree |
| Root Protection Area | Tree Stem Position C Category Tree |
| Tree Survey Boundary | Tree Stem Position U Category Tree |
| TPO Trees | Veteran Trees |
| Ancient Woodland | RPA in accordance with Natural England Standing Advice |

Date: December 2021

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Project Name: Luton Airport

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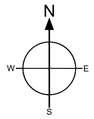


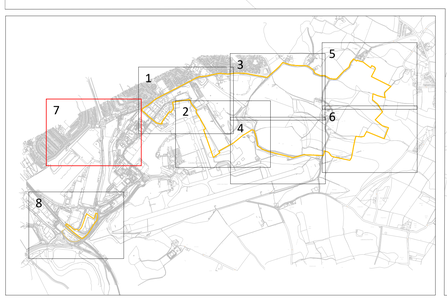


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- Tree or Group Reference Number
- Tree Crown
- Root Protection Area
- Tree Survey Boundary
- TPO Trees
- Ancient Woodland
- Tree Stem Position A Category Tree
- Tree Stem Position B Category Tree
- Tree Stem Position C Category Tree
- Tree Stem Position U Category Tree
- Veteran Trees
- RPA in accordance with Natural England Standing Advice

Date: December 2021

Scale: 1:1000 @ A0

Project Name: Luton Airport

Drawing Title: Tree Constraints Plan

Drawing Number: 211209-3.2-LA-TCP-NC 7 of 8

N

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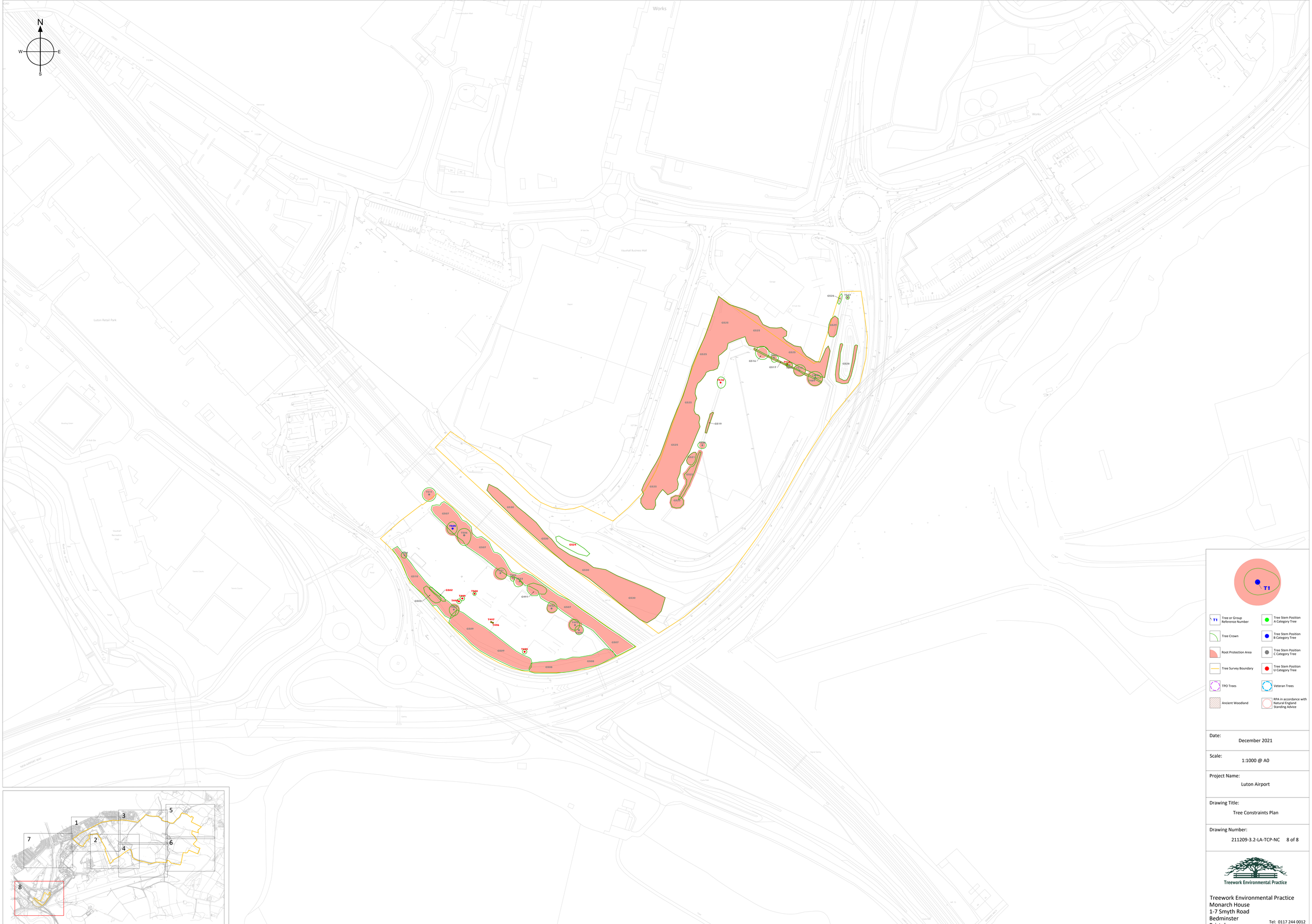
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# Appendix D

## Tree Protection Specifications

## Technical Measures to Prevent Tree Damage

### Tree Pruning

Tree pruning will be carried out where the design and/or planned site operations encroach into the crowns of trees and where these encroachments can be accommodated through facilitation pruning without significantly reducing the landscape value and/or viability of the tree.

Tree pruning operations will:

- be specified by the arboricultural consultant
- be in accordance with current best practice
- be carried out by a suitably experienced and qualified arborist

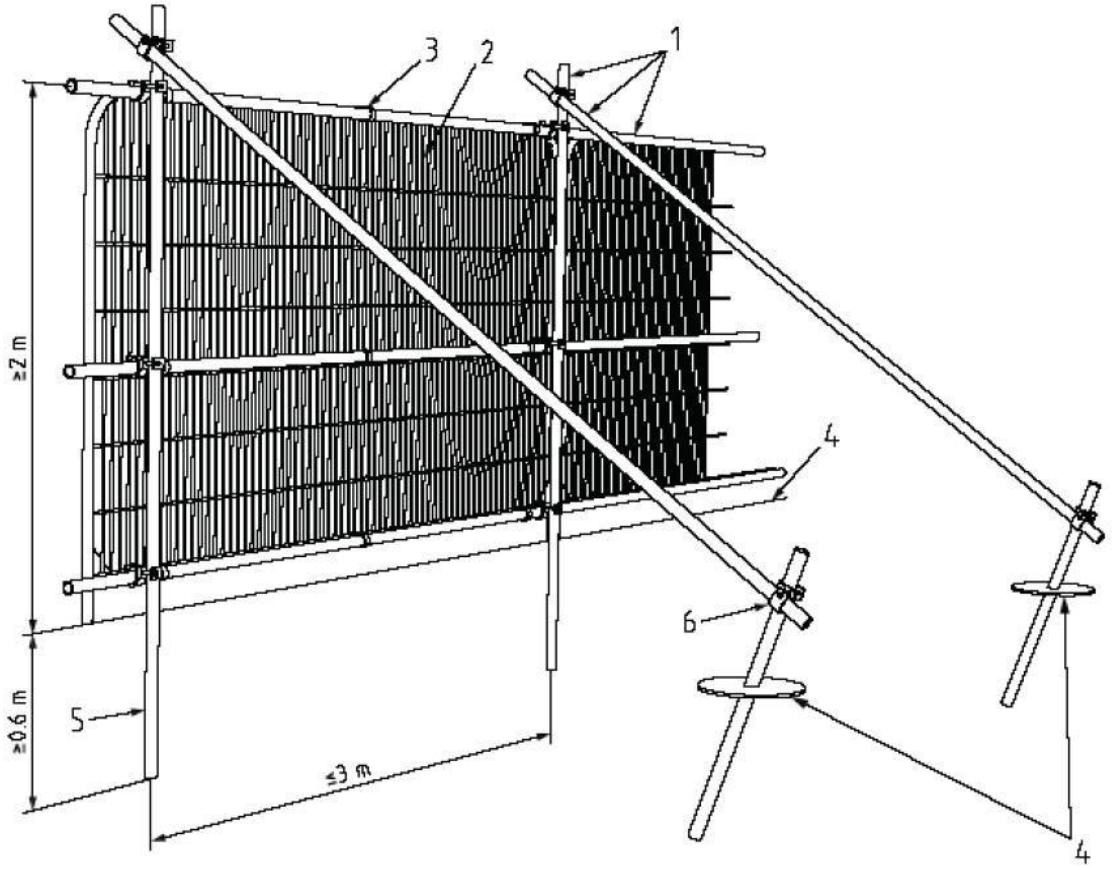
### Tree Protection Fencing

Tree protection fencing will be located at the edge of the Construction Exclusion Zone (CEZ) and will be suitably robust to provide sufficient protection for trees. The performance requirement for fencing will be determined by the type of activity that will take place in the area around the CEZ.

Typically the performance requirement for the Tree Protection Fencing will be:

- Tree Protection Fencing will be installed prior to commencement of activity on the site.
- Tree Protection Fencing will only be removed once all works associated with the development have been completed.
- The Tree Protection Fencing will be installed and removed without causing damage to retained trees.
- Installation, removal and, where required, replacement of Tree Protection Fencing will be supervised and signed off by the Arboricultural Consultant.
- The Tree Protection Fencing will be stable and robust (typical construction method, in accordance with BS5837: 2012, see below).
- The area between the Tree Protection Fencing and the tree will be a Construction Exclusion Zone (CEZ)
- Fence panels will be made of mesh (e.g.: Heras fencing) or, if solid, will have 30cm windows cut into enough panels to enable conditions within the CEZ to be viewed.
- The CEZ will be clearly identified (see Construction Exclusion Zone sign example below)

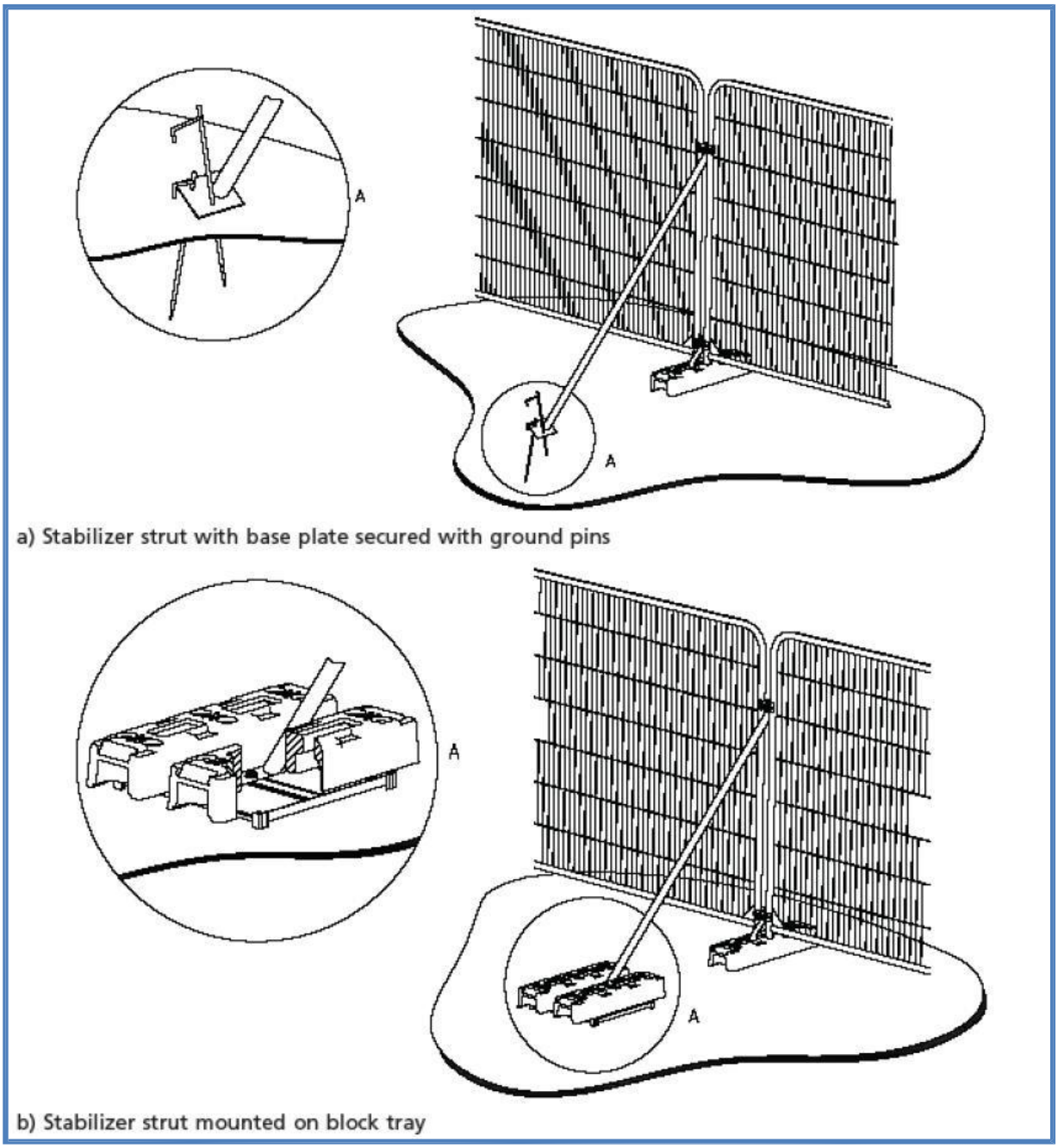
**Example Tree Protection Fencing Sign**



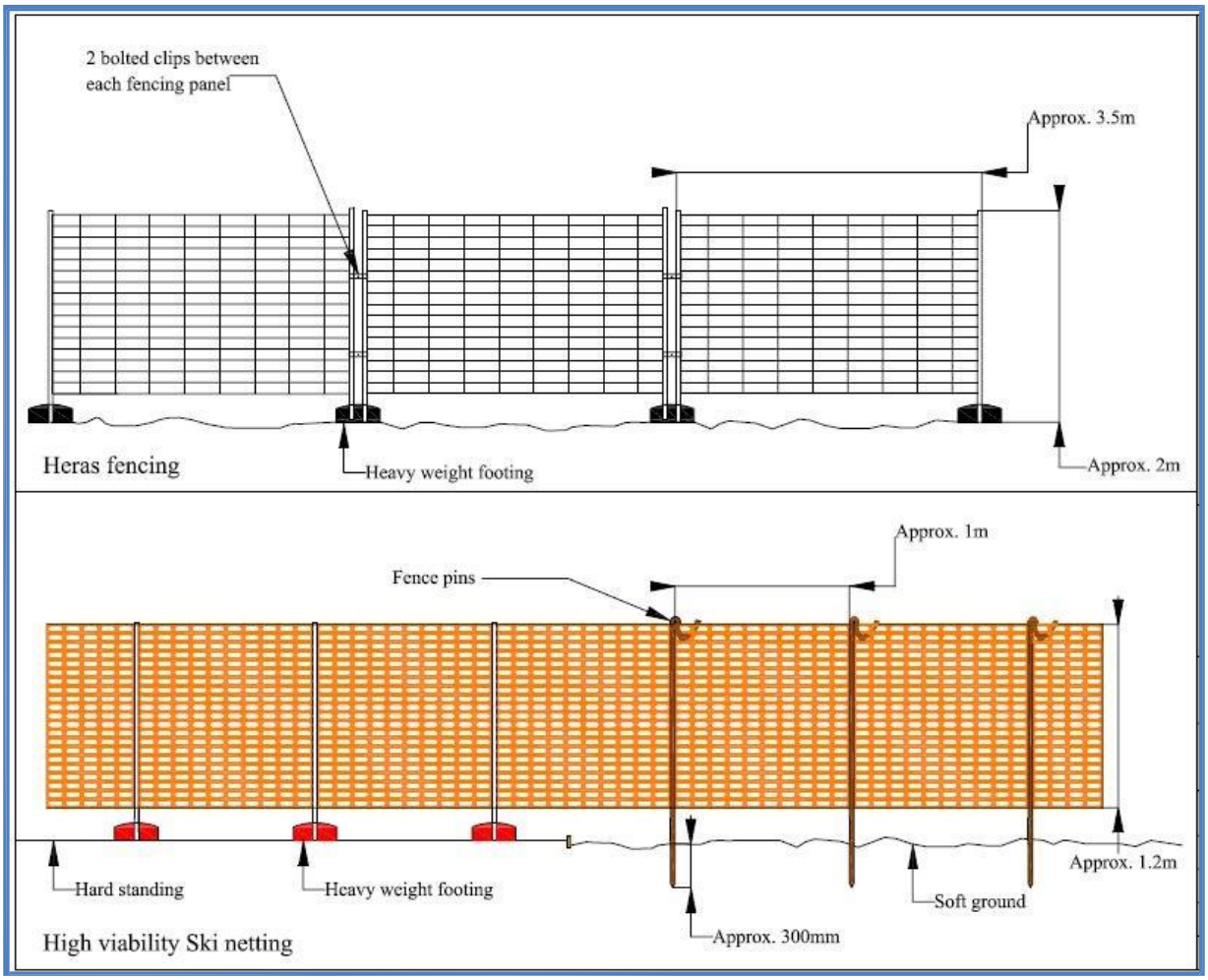

**Key**

1 Standard scaffold poles
2 Heavy gauge 2 m tall galvanized 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 0.6 m)
6 Standard scaffold clamps

**BS5837: 2012 - Figure 2 – Tree Protective Barrier**




**BS5837: 2012 - Figure 3 – Examples of Above Ground Stabilisation Systems**




**Examples of specification fencing that may be appropriate for areas of low-intensity activity**

## No-dig Construction and Special Engineering Measures

No-dig construction methods and special engineering measures will be employed to enable the construction of roads and other built features within the RPAs of trees without damaging tree roots. Installation of built features using no-dig and special engineering measures will meet the following performance criteria:

- Ensure that tree roots are not damaged.
  - *For the roots of the trees to remain undamaged there must be no excavation, soil stripping or site grading within the rooting areas – in other words NO DIGGING.*
- Ensure that soil is not compacted.
- Ensure that no spilled toxic materials seep into the soil.
- Ensure that sufficient rain water reaches tree roots.
- Ensure that gaseous exchange can take place within the soil around tree roots.
- All operations will be supervised and signed off by the Arboricultural Consultant.

# Appendix E

## Tree Survey Method and Limitations

Treework Environmental Practice

# Tree Survey Method and Limitations

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## Tree Survey Method

1. The tree survey was conducted from ground level aided by the Visual Tree Assessment method (Mattheck and Breloer, 1994) and in accordance with BS5837: 2012.

2. All trees on the site with a stem diameter of over 75 mm (measured at 1.5 m above ground) were included in the survey.

3. Offsite trees within influencing distance of the site (typically those located within a distance of up to 12 times their stem diameter away from the site) were included in the survey.

4. Data collected included:

   - a designated tree number
   - type of feature (trees, group, woodland, hedge)
   - number of trees in group
   - tree species
   - height (metres)
   - number of stems
   - stem diameter (in centimetres, as measured at 1.5 m above ground)
   - crown clearance (height of periphery of crown spread above ground level in metres)
   - height of lowest branch (metres),
   - branch spread (to N, S, E and W)
   - age class
   - physiological condition
   - useful life expectancy
   - structural condition
   - BS5837 retention category (A, B, C or U)
   - site notes (where this has a bearing on the present or future health or structural condition of the tree)
   - preliminary management recommendations.

5. All measurements were made in metric using measuring devices where applicable. Estimated stem diameters (e.g., due to lack of access or dense undergrowth) were recorded as such and are shown in the Tree Schedule in bold (see the key at the end of the Tree Schedule table at Appendix A for an explanation of the measurements and codes presented therein).

6. While the appraisals of the surveyed trees are not tree risk assessments, they nonetheless take into account observed structural defects in drawing conclusions about the trees' retentive worth.

## Survey Limitations

1. The survey was a preliminary assessment from ground level and observations were made solely from visual inspection for the purposes of an assessment relevant to planning and development. Only binoculars, trowel, mallet and fine manual metal probe were used to aid tree assessment, where necessary. No invasive or other detailed internal decay detection devices were used in assessing trunk condition.

2. The conclusions relate to conditions found at the time of survey. Any significant alteration to the site that may affect the trees that are present or have a bearing on the planning implications (including level changes, hydrological changes, extreme climatic events or other site works) will require a re-assessment of the trees and the site.

3. This survey is not a tree safety inspection. It is carried out in order to inform the planning process. Where clear and obvious hazards have been observed, these have been addressed in the recommendations (see Appendix A - Tree Schedule). A full assessment of the levels of risk posed by trees would need to consider site use together with tree hazards.