# Surrey Heath Borough Council Deadline 3 Submission

# Written Response to the ExA's request for a corporate position on the routing of the proposed pipeline in the Turf Hill area

**Esso Petroleum Company Limited Southampton to London Pipeline Project**
**Application for a Development Consent Order**

**Project reference no. EN070005**

## Introduction

1. Action point 30 of the Hearing Action Points arising from the Issue Specific Hearing on Environmental Matters on the 3rd December 2019 requests that 'Surrey Heath provide a response on comparison of two route alternatives including traffic impacts on Guildford Road and Red Road'. This written representation outlines the Council's position, taking into account the responses the Council has provided since the Southampton to London Pipeline Project was launched in December 2017. The representation also draws on comments that have been made at the examination or in writing by the applicant in respect of the Turf Hill section of the application route.

## Surrey Heath Borough Council's response to route consultations prior to the submission of the Application to the Planning Inspectorate

2. In response to the SLP Project's replacement pipeline corridor consultation in April 2018, the focus of Surrey Heath's representation was on a potential corridor which was routed in close proximity to Frimley Park Hospital and was therefore considered to result in significant and unacceptable impacts, for example vehicle and emergency services access to the Hospital.

3. The Council made general comments on the wider corridor options and noted the corridor which aligned with the existing pipeline constituted the most appropriate location in the Borough. It is noted that Corridor included the entirety of Turf Hill and a large section of Red Road. However, the Council noted that '*any works that take place will have to have regard to Special Areas of Conservation and the Thames Basin Heaths Special Protection Area if within or adjacent to such designations to ensure that harm to these habitats is avoided during construction*'.

4. In response to the SLP Project's Preferred Route Consultation in October 2018, the Turf Hill area of the preferred route fell within Section F: Bisley and Pirbright Ranges to M25. The Surrey Heath Response stated that '*disruption to Red Road could lead to significant congestion in the area. The Council would therefore seek for the pipeline to be routed along the sub-option that would result in the least disruption to Red Road*'. It is noted that there were three sub-options for Red Road and it was not clear which route would have the least impact on traffic congestion on Red Road.

5. In response to SLP Project's design refinements consultation in February 2019, the Council generally welcomed the pipeline route for Section F: Bisley and Pirbright Ranges to M25, including the proposed reduction to reduce the time taken to install the pipeline in Red Road. However, the Council noted that there remains potential for significant disruption to Red Road.

6. It is important to note that at this stage, and indeed as remains the case in the Council's opinion, information had not been provided to assess the detailed, site

specific impacts of construction activities in the Turf Hill area due to insufficient information on potential tree loss, flood risk and more recently the implications of the water main potentially located within the order limits of the submitted DCO application. The Council would reiterate local residents concerns that if the applicant is not currently aware of the actual location of the water main, the order limits as submitted may not be viable in the eventuality that the water main were to cover a wider area of the route than previously anticipated.

**Surrey Heath Borough Council's corporate position on the pipeline route as submitted**

7. SHBC notes that any replacement pipeline route in this area has the potential for significant impacts, both for local residents and the natural environment. It is noted that the Thames Basin Heaths SPA was designated after the existing pipeline had been constructed. The Council acknowledges the impacts on and concerns of local residents, as set out in Surrey Heath's Local Impact Report, and recognises the detailed representations that Lightwater residents have made as part of the Examination.

8. It is the Council's position that the impact of the pipeline proposals on local residents, trees and protected species in the Lightwater area needs to be mitigated and minimised. It is the Council's view that insufficient information has been provided to fully assess the impact of construction activities within the proposed route, or any alternative routes.

9. The Council has proposed a new tree requirement (paragraph 2.16 of Surrey Heath BC's LIR) and is of the view that this would help minimise the impact of the loss of trees in this area and the associated impacts on local residents. This would also assist in minimising the impacts of tree loss along Guildford Road and throughout the replacement pipelines construction in Surrey Heath Borough Council.

10. The Council has also sought clarity on the potential implications of the Affinity Water main which is potentially located within the order limits, as well as requesting the ExA to seek assurances from the Environment Agency and Surrey County Council in respect of construction impacts on flooding in the Lightwater area. Moreover, the Council has requested that the applicant produces a site-specific Construction Method Statement for the Turf Hill section of the replacement pipeline, providing greater certainty as to the potential impacts and associated mitigation measures.

11. The Council recognises the sequential approach the applicant has adopted to select the final proposed route in the Turf Hill area, seeking to avoid the sensitive Sand Lizard and primary heathland habitat within the Thames Basin Heaths Special SPA, and agrees with the applicant that the environmental constraints in

this area are very complex. For that reason SHBC set out in our Local Impact Report that the ExA requires specialist ecological advice.

12. Indeed, in the absence of detailed comments from Natural England or the Surrey Wildlife Trust being submitted to the ExA, the Council has found it difficult to conclude on the issue of the potential for adverse impacts on the Thames Basin Heaths Special Protection Area as a result of construction activities in the SPA. That said working in partnership with other impacted Local Planning Authorities, the Council has been in discussions with the Ecological Officer at Rushmoor and is concerned at the paucity of information that has been provided to demonstrate that there will be no adverse impact on the Thames Basin Heaths SPA, given the scale of works proposed in European Sites in Surrey Heath Borough Council.

13. Furthermore, the Council is surprised that a large construction compound is proposed to be sited on Guildford Road, extending into the Thames Basin Heaths SPA, with no clear justification given as to why this is considered by the applicant to the most appropriate location for the compound. SHBC is likewise surprised that Natural England have not provided detailed comments in respect of the construction compound, given the implications for the area of the heathland habitats included in the order limits.

14. As part of the Examination and in response to the ExA's Written Question TH.1.3, the Applicant made representation that the:

    '*Surrey Heath adopted Management Plan for Turf Hill which states: To protect, create and maintain a diverse community structure of all the natural habitat types, but taking particular account of the heathland habitat for which the site was designated an S.S.S.I.' In addition, the Management Plan for Turf Hill identifies 'In compartment 7 retain mature trees whilst removing 75% of the saplings and scrub in order to encourage the development of a heathy understorey'. The trees in this area are coniferous (pine) plantation woodland'.*

15. As stated above, the management plan clearly outlines that mature trees should be retained and 75% of saplings and scrub removed. In the tree survey provided to the Council in July (See Annex 1 for the Tree Survey Schedule provided to the Council), page 2 clearly illustrates that all of the 133 trees identified in the survey were semi-mature or older, with the majority being classified mature. It is therefore surprising that the applicant would refer to the Surrey Heath adopted Management Plan for Turf Hill, given that it clearly identified that mature trees should be retained and no young or newly planted trees were identified.

16. Whilst highlighting points of clarification from the Hearing sessions, the Council wishes to apologise to the ExA for stating in the Hearing that Surrey Wildlife Trust manages this area. The Council has sought further clarification on this point and wishes to highlight to the ExA that the Council owns and manages this area of Turf Hill.

17. Furthermore, as part of the Examination and in response to the ExA's Written Question TH.1.5, the Council is concerned about the emphasis that has been placed by the applicant on a site visit with the Surrey Heath Greenspace Officer on the 26th September 2018. The Officer was not aware of the wider context and implications of the site visit and attended in good faith. The Planning Policy Team, who were the primary contact for the project, or Senior Officers were not invited or made aware of the site visit. As such, any comments provided by the Greenspace Officer need to be understood in the context in which they were given, indeed do not represent the Council's Corporate position which takes into account a wide range environmental and local community considerations, including protected species.

18. The ExA has requested that Surrey Heath addresses potential traffic impacts for Red Road and Guildford Road. It is the Council's understanding that neither Red Road or Guildford Road is proposed for closure during the construction of the replacement pipeline. As previously, noted as part of the Statutory Preferred Route consultation there were three sub-options for Red Road and it was not clear which route would have the least impact on traffic congestion on Red Road given that detailed design work had not been completed at this stage. From a highways perspective, the Council is of the understanding that of the route options previously consulted on, it is likely that the selected route will have the least disruption, as is the case for Guildford Road. However, the Council notes Surrey County Council is the relevant highways authority in this respect.

19. However, as noted by Lightwater residents at the examination, there is a degree of flexibility as to the level at which Red Road would be affected for any given route. The Council reiterates that any works that take place will have to have regard to Special Areas of Conservation and the Thames Basin Heaths Special Protection Area if within or adjacent to such designations to ensure that harm to these habitats is avoided during the proposed pipeline construction.

20. The Council reiterates the comments raised in its Deadline 2 Written Representation (application document 000874) that until the location of the potential pipeline is determined and more details are provided in respect of the likely tree loss on Turf Hill and in other areas is fully established, it is difficult for Surrey Heath and local impacted residents to fully understand and evaluate the potential impacts of the proposed pipeline construction.

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# Tree Survey Schedule - Key

| Life Stage | Description |
|---|---|
| **NP** | Newly planted |
| **Y (Young)** | An establishing tree that could be easily transplanted. |
| **SM (Semi Mature)** | An established tree still to reach its ultimate height and spread and with considerable growth potential. |
| **EM (Early Mature)** | A tree reaching its ultimate height and whose growth is slowing however it will still increase considerably in stem diameter and crown spread. |
| **M (Mature)** | A tree with limited potential for further significant increase in size although likely to have a considerable safe useful life expectancy. |
| **OM (Over Mature)** | A senescent or moribund tree with a limited useful life expectancy. |
| **V (Veteran)** | A tree older than typical for the species and of great ecological, cultural or aesthetic value. |

| Abbreviations | Description |
|---|---|
| **Stem Ø (mm) at 1.5m** | Diameter of stem in millimetres at 1.5m above ground level for single-stemmed trees or in accordance with Annex C of BS 5837 for multi-stemmed trees or trees with low forks or irregular stems. |
| **Stems** | Numbers of stems or M/S = Multi-Stemmed. |
| **Height of (FSB)** | Height of First Significant Branch above ground level. |
| **Crown Spread**<br><br>**NSEW** | Crown spread at the four points, North, South, East and West. |
| **Condition** | Condition of the tree observed at the time of surveying<br><br>G = Good; F = Fair; P = Poor;<br>D = dead |

| | |
|---|---|
| **Est Remaining Contribution (Years)** | Estimated Remaining Contribution in Years (<10, 10+, 20+, 40+) |

| BS Category | Description |
|---|---|
| **A** | High quality and value (non-fiscal)<br>with at least 40 years remaining life expectancy. |
| **B** | Moderate quality and value<br>with at least 20 years remaining<br>life expectancy. |
| **C** | Low quality and value with at least 10<br>years remaining life expectancy, or young trees with a stem diameter below 150 mm. |
| **U** | Unsuitable for retention. The existing condition is such that the tree/ trees cannot be realistically retained as in the context of the current land use for longer than 10 years. Note, category U trees can have existing or potential conservation value which it might be desirable to preserve. |
| **Radii Single Stem (m)** | Root Protection Radius in metres based on stem diameter. |
| **RPA** | Root Protection Area. A layout design tool indicating the minimum area surrounding the tree that contains sufficient rooting volume to maintain the tree's viability, and where the protection of the roots and soil structure is treated as a priority. Assessed according to the recommendations set out in clause 4.6 of BS 5837. It is calculated by multiplying the radius squared by 3.142. Clause 4.6.2 of BS 5837 states that the RPA may be changed in shape, taking into account local site factors, species tolerance, condition and root morphology. |



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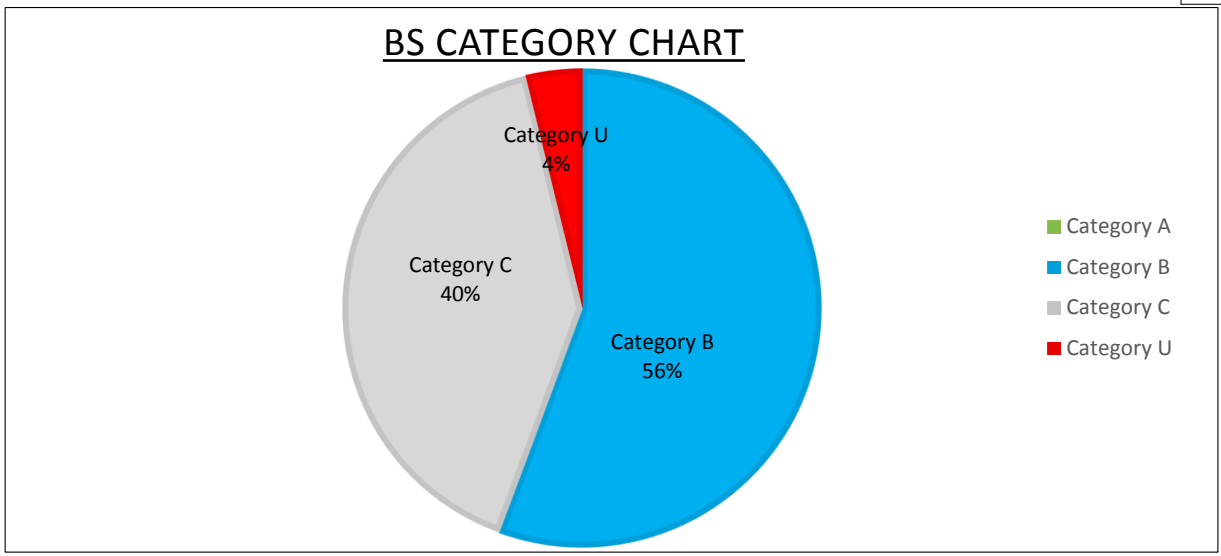
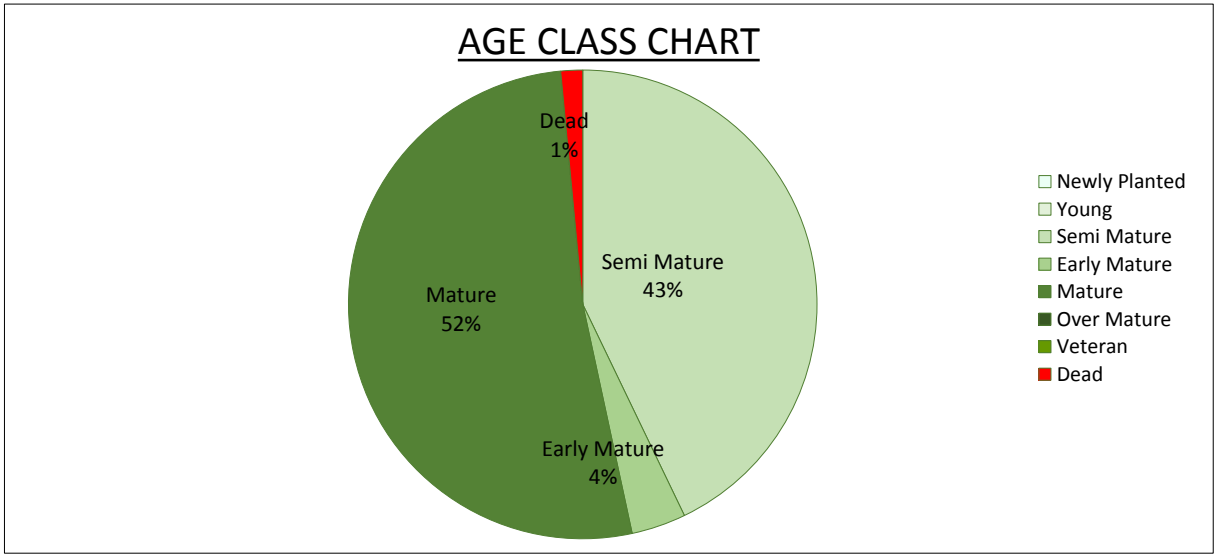
| BS Category | Total |
|---|---|
| Category A | 0 |
| Category B | 74 |
| Category C | 54 |
| Category U | 5 |
| | 133 |




| Age Class | Total |
|---|---|
| Newly Planted | 0 |
| Young | 0 |
| Semi Mature | 57 |
| Early Mature | 5 |
| Mature | 69 |
| Over Mature | 0 |
| Veteran | 0 |
| Dead | 2 |
| | 133 |





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# Tree Survey Schedule

**Site name: SLP Pipeline: Guildford Road, Lightwater**
**Client: Jacobs UK Ltd**
**Job Number: 19/172**

**Survey Date: 2 and 3 July 2019**
**Surveyor: Kevin Slezacek**

| Tree No. | Tree Species | Life Stage | Stem Ø (mm) at 1.5m | Height (crown height) (m) | Height of (FSB) | Crown Spread | | | | Condition | Comments | Tree Management Recommendations | Est Remaining Contribution (Years) | BS Cat | Radii Single Stem (m) | RPA (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | |
| T1 | Pinus sylvestris (Scots Pine) | SM | 290 | 12(3) | | 3 | 4 | 3.5 | 3 | Good | Minor dead wood. | | 20+ | B2 | 3.5 | 38 |
| T2 | Pinus sylvestris (Scots Pine) | SM | 300 | 18(9) | | 3 | 2 | 3 | 3 | Good | Unable to fully inspect - ivy. | | 20+ | B2 | 3.6 | 41 |
| T3 | Pinus sylvestris (Scots Pine) | SM | 350 | 19(10) | | 3 | 3 | 3 | 2 | Good | Unable to fully inspect - ivy. Grown as a pair with T2. | | 20+ | B2 | 4.2 | 55 |
| T4 | Pinus sylvestris (Scots Pine) | SM | 350 | 20(10) | | 3 | 2 | 4 | 2 | Good | Minor dead wood. | | 20+ | B2 | 4.2 | 55 |
| T5 | Pinus sylvestris (Scots Pine) | SM | 280 | 20(12) | | 3 | 3 | 3 | 3 | Good | Minor dead wood. | | 20+ | B2 | 3.4 | 35 |
| T6 | Pinus sylvestris (Scots Pine) | SM | 280 | 20(12) | | 3 | 3 | 3 | 3 | Good | Minor dead wood. | | 20+ | B2 | 3.4 | 35 |
| T7 | Pinus sylvestris (Scots Pine) | SM | 320 | 17(8) | | 4 | 4 | 4 | 4 | Good | Unable to fully inspect - fence. Stem diameter estimated. Branch pruning wounds. | | 20+ | B2 | 3.8 | 46 |
| T8 | Pinus sylvestris (Scots Pine) | SM | 360 | 20(9) | | 5 | 5 | 4 | 5 | Good | Unable to fully inspect - fence. Stem diameter estimated. | | 20+ | B2 | 4.3 | 59 |


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| Tree No. | Tree Species | Life Stage | Stem Ø (mm) at 1.5m | Height (crown height) (m) | Height of (FSB) | Crown Spread | | | | Condition | Comments | Tree Management Recommendations | Est Remaining Contribution (Years) | BS Cat | Radii Single Stem (m) | RPA (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | |
| T9 | Pinus sylvestris (Scots Pine) | EM | 550 | 23(12) | | 6 | 6 | 4 | 6 | Good | Unable to fully inspect - fence. Stem diameter estimated. Branch pruning wounds. | | 20+ | B2 | 6.6 | 137 |
| T10 | Pinus sylvestris (Scots Pine) | D | 500 | 18(9) | | 5 | 5 | 5 | 5 | Dead | Unable to fully inspect - ivy. Unable to fully inspect - fence. | | <10 | U | 6.0 | 113 |
| G11 | Betula pendula (Silver Birch),x Cupressocyparis leylandii (Leyland Cypress) | EM | 250 | 17(0) | | 2 | 2 | 2 | 2 | Fair | Unable to fully inspect - vegetation. Unable to fully inspect - fence. | | 10+ | C2 | 3.0 | 28 |
| T12 | Pinus sylvestris (Scots Pine) | M | 490 | 19(6) | | 3 | 3 | 2 | 3 | Good | Minor dead wood. | | 20+ | B2 | 5.9 | 109 |
| T13 | Betula pendula (Silver Birch) | M | 410 | 18(4) | | 5 | 5 | 5 | 5 | Poor | Major dead wood. Sparse crown. | | 10+ | C1 | 4.9 | 76 |
| T14 | Pinus sylvestris (Scots Pine) | M | 680 | 21(6) | | 5 | 5 | 5 | 5 | Good | Minor dead wood. | | 20+ | B2 | 8.2 | 209 |
| T15 | Pinus sylvestris (Scots Pine) | M | 640 | 21(6) | | 4 | 6 | 6 | 6 | Good | Minor dead wood. | | 20+ | B2 | 7.7 | 185 |
| T16 | Pinus nigra ssp. laricio (Corsican Pine) | M | 630 | 21(10) | | 6 | 6 | 8 | 6 | Fair | Unable to fully inspect - vegetation. Minor dead wood. Sparse crown. | | 10+ | C2 | 7.6 | 180 |


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| Tree No. | Tree Species | Life Stage | Stem Ø (mm) at 1.5m | Height (crown height) (m) | Height of (FSB) | Crown Spread | | | | Condition | Comments | Tree Management Recommendations | Est Remaining Contribution (Years) | BS Cat | Radii Single Stem (m) | RPA (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | |
| T17 | Cryptomeria japonica (Japanese Red Cedar) | SM | 340 | 17(3) | | 2 | 2 | 2 | 2 | Fair | Minor dead wood. Stem exudation. | | 10+ | C2 | 4.1 | 52 |
| T18 | Cryptomeria japonica (Japanese Red Cedar) | SM | 330 | 14(1) | | 3 | 3 | 3 | 3 | Fair | Unable to fully inspect - vegetation. Minor dead wood. | | 10+ | C2 | 4.0 | 49 |
| T19 | Betula pendula (Silver Birch) | EM | 180 | 14(2) | | 3 | 3 | 3 | 3 | Fair | Suppressed form. | | 10+ | C2 | 2.2 | 15 |
| G20 | Quercus robur (Common Oak),Fagus sylvatica (Common Beech),Cryptomeria japonica (Japanese Red Cedar) | SM | 260 | 15(3) | | 3 | 3 | 3 | 3 | Good | Mixed boundary screening. | | 20+ | B2 | 3.1 | 31 |
| T21 | Quercus robur (Common Oak) | SM | 370 | 17(5) | | 3 | 5 | 7 | 5 | Fair | Branch stubs. Large stem wound at base. | | 10+ | C2 | 4.4 | 62 |
| T22 | Quercus robur (Common Oak) | SM | 390 | 17(3) | | 7 | 7 | 4 | 4 | Fair | Minor dead wood. | | 10+ | C2 | 4.7 | 69 |
| T23 | Betula pendula (Silver Birch) | EM | 265 | 15(5) | | 5 | 2 | 5 | 5 | Fair | Minor dead wood. | | 10+ | C2 | 3.2 | 32 |
| T24 | Pinus sylvestris (Scots Pine) | M | 465 | 18(4) | | 3 | 4 | 5 | 5 | Fair | | | 20+ | B2 | 5.6 | 98 |


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| Tree No. | Tree Species | Life Stage | Stem Ø (mm) at 1.5m | Height (crown height) (m) | Height of (FSB) | Crown Spread | | | | Condition | Comments | Tree Management Recommendations | Est Remaining Contribution (Years) | BS Cat | Radii Single Stem (m) | RPA (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | |
| T25 | Pinus sylvestris (Scots Pine) | M | 520 | 19(5) | | 3 | 3 | 7 | 4 | Fair | Minor dead wood. | | 20+ | B2 | 6.2 | 122 |
| T26 | Quercus robur (Common Oak) | SM | 290 | 14(5) | | 6 | 2 | 4 | 6 | Fair | Situated on embankment with eroded root zone. | | 10+ | C2 | 3.5 | 38 |
| T27 | Pinus sylvestris (Scots Pine) | SM | 380 | 17(10) | | 5 | 5 | 5 | 5 | Fair | | | 10+ | C2 | 4.6 | 65 |
| T28 | Pinus sylvestris (Scots Pine) | SM | 380 | 15 | | 5 | 5 | 5 | 5 | Fair | Unable to fully inspect - vegetation. Minor dead wood. | | 10+ | C2 | 4.6 | 65 |
| T29 | Quercus robur (Common Oak) | SM | 320 | 12 | | 5 | 5 | 5 | 5 | Fair | Unable to fully inspect - vegetation. | | 10+ | C2 | 3.8 | 46 |
| T30 | Pinus sylvestris (Scots Pine) | D | 500 | 18 | | 4 | 4 | 4 | 4 | Dead | Unable to fully inspect - vegetation. Potential bat roost features. | | <10 | U | 6.0 | 113 |
| T31 | Pinus sylvestris (Scots Pine) | SM | 420 | 18(5) | | 7 | 3 | 3 | 7 | Fair | | | 10+ | C2 | 5.0 | 80 |
| T32 | Pinus sylvestris (Scots Pine) | SM | 380 | 18(4) | | 3 | 3 | 3 | 3 | Fair | | | 10+ | C2 | 4.6 | 65 |


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| Tree No. | Tree Species | Life Stage | Stem Ø (mm) at 1.5m | Height (crown height) (m) | Height of (FSB) | Crown Spread | | | | Condition | Comments | Tree Management Recommendations | Est Remaining Contribution (Years) | BS Cat | Radii Single Stem (m) | RPA (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | |
| T33 | Pinus sylvestris (Scots Pine) | M | 550 | 13(6) | | 7 | 4 | 7 | 4 | Fair | Minor dead wood. | | 10+ | C2 | 6.6 | 137 |
| T34 | Quercus robur (Common Oak) | SM | 250 | 8(4) | | 4 | 4 | 4 | 4 | Fair | Minor dead wood. | | 10+ | C2 | 3.0 | 28 |
| T35 | Pinus sylvestris (Scots Pine) | M | 640 | 16(6) | | 5 | 5 | 5 | 5 | Fair | | | 20+ | B2 | 7.7 | 185 |
| G36 | Betula pendula (Silver Birch) | EM | 566 | 14(3) | | 3 | 3 | 3 | 3 | Fair | Not identified on topographical survey. | | 10+ | C2 | 6.8 | 145 |
| T37 | Pinus nigra ssp. laricio (Corsican Pine) | M | 660 | 20(7) | | 6 | 6 | 6 | 6 | Fair | Minor dead wood. Sparse crown. | | 10+ | C2 | 7.9 | 197 |
| T38 | Quercus robur (Common Oak) | SM | 250 | 14 | | 4 | 4 | 4 | 4 | Fair | | | 10+ | C2 | 3.0 | 28 |
| T39 | Pinus sylvestris (Scots Pine) | M | 720 | 20(5) | | 5 | 5 | 5 | 5 | Good | Minor dead wood. | | 20+ | B2 | 8.6 | 235 |
| T40 | Pinus sylvestris (Scots Pine) | SM | 370 | 21 | | 4 | 4 | 4 | 4 | Fair | Minor dead wood. | | 10+ | C2 | 4.4 | 62 |


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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | |
| T41 | Pinus sylvestris (Scots Pine) | SM | 330 | 21 | | 4 | 4 | 4 | 4 | Fair | Minor dead wood. | | 10+ | C2 | 4.0 | 49 |
| T42 | Pinus sylvestris (Scots Pine) | SM | 470 | 22 | | 5 | 4 | 4 | 4 | Fair | Minor dead wood. | | 10+ | C2 | 5.6 | 100 |
| T43 | Pinus sylvestris (Scots Pine) | SM | 400 | 22 | | 4 | 4 | 4 | 4 | Fair | Minor dead wood. | | 10+ | C2 | 4.8 | 72 |
| T44 | Pinus sylvestris (Scots Pine) | M | 460 | 20 | | 5 | 5 | 5 | 5 | Good | Minor dead wood. | | 20+ | B2 | 5.5 | 96 |
| T45 | Pinus sylvestris (Scots Pine) | M | 660 | 21 | | 8 | 8 | 8 | 8 | Good | Minor dead wood. Hangers in crown. | | 20+ | B2 | 7.9 | 197 |
| T46 | Pinus sylvestris (Scots Pine) | M | 400 | 20(5) | | 5 | 5 | 5 | 5 | Good | Unable to fully inspect - vegetation. Minor dead wood. | | 20+ | B2 | 4.8 | 72 |
| T47 | Pinus sylvestris (Scots Pine) | M | 350 | 20 | | 4 | 4 | 4 | 1 | Good | Unable to fully inspect - vegetation. | | 20+ | B2 | 4.2 | 55 |
| T48 | Betula pendula (Silver Birch) | SM | 290 | 18(6) | | 1 | 2 | 4 | 4 | Good | Suppressed form. | | 10+ | C1 | 3.5 | 38 |


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| Tree No. | Tree Species | Life Stage | Stem Ø (mm) at 1.5m | Height (crown height) (m) | Height of (FSB) | Crown Spread | | | | Condition | Comments | Tree Management Recommendations | Est Remaining Contribution (Years) | BS Cat | Radii Single Stem (m) | RPA (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | |
| T49 | Pinus sylvestris (Scots Pine) | M | 390 | 20 | | 5 | 5 | 5 | 5 | Fair | Minor dead wood. | | 10+ | C2 | 4.7 | 69 |
| T50 | Betula pendula (Silver Birch) | SM | 300 | 16(4) | | 3.5 | 3.5 | 3.5 | 3.5 | Fair | | | 10+ | C2 | 3.6 | 41 |
| T51 | Pinus sylvestris (Scots Pine) | M | 500 | 16(7) | | 6 | 6 | 6 | 6 | Good | Unable to fully inspect - fence. | | 20+ | B2 | 6.0 | 113 |
| T52 | Pinus sylvestris (Scots Pine) | M | 500 | 16(8) | | 3 | 2 | 5 | 3 | Good | Unable to fully inspect - fence. | | 20+ | B2 | 6.0 | 113 |
| T53 | Pinus sylvestris (Scots Pine) | M | 480 | 16(8) | | 4 | 4 | 4 | 4 | Fair | Unable to fully inspect - fence. | | 20+ | B2 | 5.8 | 104 |
| T54 | Pinus sylvestris (Scots Pine) | M | 500 | 18 | | 6 | 6 | 6 | 6 | Good | Unable to fully inspect - fence. | | 20+ | B2 | 6.0 | 113 |
| T55 | Betula pendula (Silver Birch) | SM | 230 | 9(1) | | 3 | 3 | 3 | 3 | Fair | | | 10+ | C1 | 2.8 | 24 |
| T56 | Pinus sylvestris (Scots Pine) | M | 450 | 22(6) | | 4 | 4 | 4 | 4 | Good | Unable to fully inspect - fence. Branch pruning wounds. | | 20+ | B2 | 5.4 | 92 |


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| Tree No. | Tree Species | Life Stage | Stem Ø (mm) at 1.5m | Height (crown height) (m) | Height of (FSB) | Crown Spread | | | | Condition | Comments | Tree Management Recommendations | Est Remaining Contribution (Years) | BS Cat | Radii Single Stem (m) | RPA (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | |
| G57 | Betula pendula (Silver Birch) | SM | 400 | 16(1) | | 4 | 4 | 4 | 4 | Fair | Unable to fully inspect - vegetation. | | 10+ | C2 | 4.8 | 72 |
| T58 | Betula pendula (Silver Birch) | SM | 290 | 16(2) | | 4 | 4 | 4 | 4 | Good | Visible root damage. | | 20+ | B2 | 3.5 | 38 |
| T59 | Pinus sylvestris (Scots Pine) | M | 640 | 23(5) | | 5 | 5 | 5 | 5 | Good | | | 20+ | B2 | 7.7 | 185 |
| T60 | Betula pendula (Silver Birch) | SM | 331 | 14 | | 5 | 5 | 5 | 5 | Good | | | 10+ | C2 | 4.0 | 50 |
| T61 | Pinus sylvestris (Scots Pine) | M | 490 | 20(8) | | 3 | 2 | 4 | 4 | Good | Minor dead wood. | | 20+ | B2 | 5.9 | 109 |
| T62 | Pinus sylvestris (Scots Pine) | M | 430 | 18(6) | | 4 | 3 | 3 | 2 | Fair | Minor dead wood. Sparse crown. | | 10+ | C2 | 5.2 | 84 |
| T63 | Betula pendula (Silver Birch) | M | 460 | 14(4) | | 5 | 5 | 5 | 5 | Fair | Unable to fully inspect - vegetation. | | 10+ | C2 | 5.5 | 96 |
| T64 | Quercus robur (Common Oak) | SM | 280 | 12(5) | | 5 | 3 | 2 | 3 | Fair | | | 10+ | C2 | 3.4 | 35 |


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| Tree No. | Tree Species | Life Stage | Stem Ø (mm) at 1.5m | Height (crown height) (m) | Height of (FSB) | Crown Spread | | | | Condition | Comments | Tree Management Recommendations | Est Remaining Contribution (Years) | BS Cat | Radii Single Stem (m) | RPA (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | |
| T65 | Pinus sylvestris (Scots Pine) | M | 480 | 22(6) | | 4 | 4 | 4 | 4 | Good | Unable to fully inspect - fence. | | 20+ | B2 | 5.8 | 104 |
| T66 | Betula pendula (Silver Birch) | SM | 350 | 16(3) | | 4 | 4 | 4 | 4 | Fair | Unable to fully inspect - vegetation. | | 10+ | C2 | 4.2 | 55 |
| T67 | Pinus sylvestris (Scots Pine) | M | 620 | 22(10) | | 7 | 7 | 7 | 7 | Good | | | 20+ | B2 | 7.4 | 174 |
| T68 | Pinus sylvestris (Scots Pine) | M | 540 | 18(6) | | 7 | 5 | 6 | 6 | Good | Minor dead wood. | | 20+ | B2 | 6.5 | 132 |
| T69 | Pinus sylvestris (Scots Pine) | M | 470 | 19(7) | | 4 | 4 | 4 | 4 | Good | | | 20+ | B2 | 5.6 | 100 |
| G70 | Betula pendula (Silver Birch),Quercus robur (Common Oak) | SM | 400 | 15(2) | | 5 | 5 | 5 | 5 | Fair | | | 10+ | C2 | 4.8 | 72 |
| T71 | Betula pendula (Silver Birch) | M | 320 | 17(2) | | 6 | 6 | 6 | 6 | Fair | | | 10+ | C2 | 3.8 | 46 |
| T72 | Fagus sylvatica (Common Beech) | M | 560 | 24(9) | | 8 | 8 | 8 | 8 | Good | Branch pruning wounds. Form suggests crown reduction. | | 20+ | B2 | 6.7 | 142 |


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| Tree No. | Tree Species | Life Stage | Stem Ø (mm) at 1.5m | Height (crown height) (m) | Height of (FSB) | Crown Spread | | | | Condition | Comments | Tree Management Recommendations | Est Remaining Contribution (Years) | BS Cat | Radii Single Stem (m) | RPA (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | |
| T73 | Fagus sylvatica (Common Beech) | M | 570 | 25(10) | | 8 | 8 | 8 | 8 | Good | Branch pruning wounds. Historic crown reduction. | | 20+ | B2 | 6.8 | 147 |
| T74 | Pinus sylvestris (Scots Pine) | M | 700 | 20(8) | | 7 | 7 | 7 | 7 | Good | Unable to fully inspect - fence. Minor dead wood. | | 20+ | B2 | 8.4 | 222 |
| T75 | Castanea sativa (Sweet Chestnut) | SM | 310 | 15(2) | | 5 | 5 | 5 | 5 | Good | | | 20+ | B2 | 3.7 | 43 |
| T76 | Pinus sylvestris (Scots Pine) | SM | 430 | 18(10) | | 5 | 5 | 5 | 5 | Good | | | 20+ | B2 | 5.2 | 84 |
| T77 | Pinus sylvestris (Scots Pine) | SM | 340 | 17(10) | | 3 | 3 | 3 | 3 | Fair | Sparse crown. | | 10+ | C2 | 4.1 | 52 |
| T78 | Pinus sylvestris (Scots Pine) | M | 480 | 20(11) | | 6 | 6 | 6 | 6 | Good | Major dead wood. Branch pruning wounds. | | 20+ | B2 | 5.8 | 104 |
| T79 | Pinus sylvestris (Scots Pine) | M | 565 | 17(5) | | 5 | 5 | 5 | 5 | Fair | Minor dead wood. Multi-stemmed from base. Sparse crown. | | 10+ | C2 | 6.8 | 144 |
| T80 | Pinus sylvestris (Scots Pine) | M | 490 | 23(15) | | 5 | 5 | 5 | 5 | Good | Minor dead wood. | | 20+ | B2 | 5.9 | 109 |

| Tree No. | Tree Species | Life Stage | Stem Ø (mm) at 1.5m | Height (crown height) (m) | Height of (FSB) | Crown Spread | | | | Condition | Comments | Tree Management Recommendations | Est Remaining Contribution (Years) | BS Cat | Radii Single Stem (m) | RPA (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | |
| T81 | Fagus sylvatica (Common Beech) | SM | 344 | 16(7) | | 7 | 7 | 7 | 7 | Fair | Tight weak fork between stems with included bark. Wire embedded in stem. | | 10+ | C2 | 4.1 | 54 |
| T82 | Fagus sylvatica (Common Beech) | SM | 310 | 16(7) | | 7 | 7 | 7 | 7 | Good | | | 20+ | B2 | 3.7 | 43 |
| T83 | Pinus sylvestris (Scots Pine) | SM | 360 | 20(9) | | 4 | 4 | 4 | 4 | Fair | Unable to fully inspect - vegetation. Minor dead wood. Sparse crown. | | 10+ | C2 | 4.3 | 59 |
| T84 | Pinus sylvestris (Scots Pine) | SM | 320 | 20(9) | | 4 | 4 | 4 | 4 | Fair | Unable to fully inspect - vegetation. Minor dead wood. Sparse crown. | | 10+ | C2 | 3.8 | 46 |
| T85 | Fagus sylvatica (Common Beech) | M | 630 | 22(6) | | 8 | 8 | 8 | 8 | Good | Stem bifurcates at 1.4m Included bark. Wire in stem. | | 20+ | B2 | 7.6 | 180 |
| T86 | Pinus sylvestris (Scots Pine) | SM | 500 | 23(10) | | 5 | 5 | 5 | 5 | Good | Unable to fully inspect - fence. | | 20+ | B2 | 6.0 | 113 |
| T87 | Pinus sylvestris (Scots Pine) | SM | 400 | 18(8) | | 5 | 5 | 5 | 5 | Good | Minor dead wood. | | 20+ | B2 | 4.8 | 72 |
| T88 | Pinus sylvestris (Scots Pine) | M | 520 | 22(10) | | 6 | 6 | 6 | 6 | Good | Unable to fully inspect - fence. | | 20+ | B2 | 6.2 | 122 |


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| Tree No. | Tree Species | Life Stage | Stem Ø (mm) at 1.5m | Height (crown height) (m) | Height of (FSB) | Crown Spread | | | | Condition | Comments | Tree Management Recommendations | Est Remaining Contribution (Years) | BS Cat | Radii Single Stem (m) | RPA (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | |
| T89 | Pinus sylvestris (Scots Pine) | M | 450 | 20(12) | | 3 | 3 | 4 | 4 | Good | Unable to fully inspect - fence. | | 20+ | B2 | 5.4 | 92 |
| T90 | Pinus sylvestris (Scots Pine) | SM | 410 | 22(12) | | 6 | 6 | 6 | 6 | Good | | | 20+ | B2 | 4.9 | 76 |
| T91 | Pinus sylvestris (Scots Pine) | M | 550 | 21(15) | | 5 | 5 | 5 | 5 | Good | Unable to fully inspect - fence. Branch pruning wounds. | | 20+ | B2 | 6.6 | 137 |
| T92 | Quercus robur (Common Oak) | SM | 350 | 18(2) | | 5 | 5 | 5 | 5 | Fair | Unable to fully inspect - fence. Minor dead wood. Sparse crown. | | 10+ | C2 | 4.2 | 55 |
| T93 | Betula pendula (Silver Birch) | SM | 260 | 18(3) | | 4 | 4 | 4 | 4 | Good | Unable to fully inspect - vegetation. | | 20+ | B2 | 3.1 | 31 |
| T94 | Pinus sylvestris (Scots Pine) | M | 600 | 18(10) | | 5 | 5 | 6 | 5 | Good | Unable to fully inspect - fence. Minor dead wood. | | 20+ | B2 | 7.2 | 163 |
| T95 | Pinus sylvestris (Scots Pine) | SM | 460 | 21(12) | | 4 | 4 | 4 | 4 | Good | Unable to fully inspect - fence. Minor dead wood. | | 20+ | B2 | 5.5 | 96 |
| T96 | Quercus robur (Common Oak) | SM | 480 | 16(3) | | 4 | 7 | 3 | 3 | Good | Unable to fully inspect - fence. Suppressed form. | | 10+ | C2 | 5.8 | 104 |


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| Tree No. | Tree Species | Life Stage | Stem Ø (mm) at 1.5m | Height (crown height) (m) | Height of (FSB) | Crown Spread | | | | Condition | Comments | Tree Management Recommendations | Est Remaining Contribution (Years) | BS Cat | Radii Single Stem (m) | RPA (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | |
| T97 | Pinus sylvestris (Scots Pine) | M | 950 | 24(6) | | 5 | 5 | 8 | 8 | Good | Major dead wood. Stem wounds. Stem bifurcates at 1.5m with included bark. | | 20+ | B2 | 11.4 | 408 |
| T98 | Quercus robur (Common Oak) | SM | 340 | 17(3) | | 5 | 5 | 5 | 5 | Fair | | | 10+ | C2 | 4.1 | 52 |
| T99 | Quercus robur (Common Oak) | SM | 270 | 10 | | 3 | 2 | 4 | 4 | Poor | Unable to fully inspect - fence. In terminal decline. Bird box on stem. | | <10 | U | 3.2 | 33 |
| T100 | Pinus sylvestris (Scots Pine) | M | 550 | 26(12) | | 8 | 8 | 8 | 8 | Good | | | 20+ | B2 | 6.6 | 137 |
| T101 | Pinus sylvestris (Scots Pine) | M | 800 | 26(8) | | 8 | 8 | 8 | 8 | Good | Unable to fully inspect - vegetation. | | 20+ | B2 | 9.6 | 290 |
| T102 | Pinus sylvestris (Scots Pine) | SM | 420 | 26(10) | | 5 | 5 | 5 | 5 | Good | Minor dead wood. | | 20+ | B2 | 5.0 | 80 |
| T103 | Quercus robur (Common Oak) | M | 540 | 24(10) | | 7 | 7 | 7 | 7 | Good | Unable to fully inspect - ivy. | | 20+ | B2 | 6.5 | 132 |
| T104 | Quercus robur (Common Oak) | SM | 290 | 20(5) | | 5 | 5 | 5 | 5 | Good | | | 20+ | B2 | 3.5 | 38 |


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| Tree No. | Tree Species | Life Stage | Stem Ø (mm) at 1.5m | Height (crown height) (m) | Height of (FSB) | Crown Spread | | | | Condition | Comments | Tree Management Recommendations | Est Remaining Contribution (Years) | BS Cat | Radii Single Stem (m) | RPA (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | |
| T105 | Quercus robur (Common Oak) | M | 700 | 24(8) | | 9 | 5 | 9 | 9 | Good | Unable to fully inspect - fence. | | 20+ | B2 | 8.4 | 222 |
| T106 | Pinus sylvestris (Scots Pine) | M | 600 | 18 | | 4 | 4 | 4 | 4 | Poor | Unable to fully inspect - fence. In terminal decline. Extensive crown dieback. | | <10 | U | 7.2 | 163 |
| T107 | Quercus robur (Common Oak) | SM | 360 | 18(8) | | 3 | 3 | 5 | 2 | Fair | | | 10+ | C2 | 4.3 | 59 |
| T108 | Quercus robur (Common Oak) | SM | 390 | 18(4) | | 6 | 6 | 6 | 6 | Fair | | | 10+ | C2 | 4.7 | 69 |
| T109 | Quercus robur (Common Oak) | M | 590 | 22(3) | | 6 | 7 | 7 | 8 | Good | | | 20+ | B2 | 7.1 | 158 |
| T110 | Betula pendula (Silver Birch) | M | 320 | 18(4) | | 5 | 5 | 5 | 5 | Good | | | 20+ | B2 | 3.8 | 46 |
| T111 | Quercus robur (Common Oak) | M | 763 | 16(5) | | 7 | 7 | 7 | 7 | Fair | Unable to fully inspect - vegetation. Multi-stemmed from base. Branch pruning wounds. Structurally poor. Fused limbs. | | 10+ | C2 | 9.2 | 264 |
| T112 | Pinus sylvestris (Scots Pine) | SM | 485 | 24(12) | | 6 | 6 | 6 | 6 | Good | Minor dead wood. | | 20+ | B2 | 5.8 | 106 |


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| Tree No. | Tree Species | Life Stage | Stem Ø (mm) at 1.5m | Height (crown height) (m) | Height of (FSB) | Crown Spread | | | | Condition | Comments | Tree Management Recommendations | Est Remaining Contribution (Years) | BS Cat | Radii Single Stem (m) | RPA (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | |
| T113 | Pinus sylvestris (Scots Pine) | M | 510 | 23(8) | | 7 | 7 | 5 | 5 | Fair | Minor dead wood. | | 20+ | B2 | 6.1 | 118 |
| T114 | Quercus robur (Common Oak) | M | 750 | 18(9) | | 9 | 9 | 9 | 9 | Good | Unable to fully inspect - vegetation. Stem bifurcates at 3m. | | 20+ | B2 | 9.0 | 255 |
| T115 | Quercus robur (Common Oak) | M | 620 | 22(7) | | 10 | 10 | 10 | 10 | Good | | | 20+ | B2 | 7.4 | 174 |
| T116 | Quercus robur (Common Oak) | M | 650 | 20 | | 6 | 6 | 6 | 6 | Fair | Unable to fully inspect - ivy. Stem diameter estimated. Sparse crown. | | 10+ | C2 | 7.8 | 191 |
| T117 | Pinus sylvestris (Scots Pine) | SM | 350 | 24(6) | | 4 | 4 | 4 | 4 | Fair | | | 10+ | C2 | 4.2 | 55 |
| T118 | Pinus sylvestris (Scots Pine) | M | 430 | 24(4) | | 5 | 5 | 5 | 5 | Fair | Unable to fully inspect - ivy. Minor dead wood. | | 10+ | C2 | 5.2 | 84 |
| T119 | Pinus sylvestris (Scots Pine) | M | 450 | 21 | | 4 | 5 | 3 | 3 | Fair | Stem diameter estimated. Potential bat roost features. Large stem wound and cavity. | | 10+ | C2 | 5.4 | 92 |
| T120 | Pinus sylvestris (Scots Pine) | M | 520 | 22(7) | | 4 | 4 | 4 | 4 | Good | | | 20+ | B2 | 6.2 | 122 |


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| Tree No. | Tree Species | Life Stage | Stem Ø (mm) at 1.5m | Height (crown height) (m) | Height of (FSB) | Crown Spread | | | | Condition | Comments | Tree Management Recommendations | Est Remaining Contribution (Years) | BS Cat | Radii Single Stem (m) | RPA (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | |
| T121 | Pinus sylvestris (Scots Pine) | M | 600 | 24(13) | | 8 | 8 | 8 | 8 | Good | Unable to fully inspect - fence. Stem diameter estimated. Minor dead wood. Branch pruning wounds. | | 20+ | B2 | 7.2 | 163 |
| T122 | Pinus sylvestris (Scots Pine) | M | 590 | 20(10) | | 5 | 5 | 5 | 5 | Fair | Minor dead wood. | | 10+ | C2 | 7.1 | 158 |
| T123 | Quercus robur (Common Oak) | SM | 390 | 24(8) | | 7 | 7 | 7 | 7 | Good | | | 20+ | B2 | 4.7 | 69 |
| T124 | Pinus sylvestris (Scots Pine) | M | 670 | 22(11) | | 8 | 8 | 8 | 8 | Good | Minor dead wood. | | 20+ | B2 | 8.0 | 203 |
| T125 | Quercus robur (Common Oak) | M | 580 | 22(3) | | 10 | 10 | 10 | 10 | Good | Unable to fully inspect - fence. Stem diameter estimated. | | 20+ | B2 | 7.0 | 152 |
| T126 | Pinus sylvestris (Scots Pine) | M | 560 | 22(8) | | 7 | 7 | 7 | 7 | Good | Minor dead wood. | | 20+ | B2 | 6.7 | 142 |
| T127 | Pinus sylvestris (Scots Pine) | M | 500 | 20(8) | | 3.5 | 3.5 | 3.5 | 3.5 | Fair | Unable to fully inspect - fence. | | 10+ | C2 | 6.0 | 113 |
| T128 | Pseudotsuga menziesii (Douglas Fir) | M | 600 | 26(8) | | 8 | 8 | 8 | 8 | Good | Unable to fully inspect - fence. | | 20+ | B2 | 7.2 | 163 |


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| Tree No. | Tree Species | Life Stage | Stem Ø (mm) at 1.5m | Height (crown height) (m) | Height of (FSB) | Crown Spread | | | | Condition | Comments | Tree Management Recommendations | Est Remaining Contribution (Years) | BS Cat | Radii Single Stem (m) | RPA (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | E | S | W | | | | | | | |
| T129 | Pinus sylvestris (Scots Pine) | M | 570 | 20(11) | | 4 | 4 | 4 | 4 | Good | | | 20+ | B2 | 6.8 | 147 |
| T130 | Quercus robur (Common Oak) | M | 600 | 24(5) | | 10 | 10 | 10 | 10 | Good | Unable to fully inspect - vegetation. Stem diameter estimated. | | 20+ | B2 | 7.2 | 163 |
| T131 | Pinus sylvestris (Scots Pine) | M | 470 | 21(12) | | 3 | 3 | 3 | 3 | Poor | Major dead wood. Soil compaction. Sparse crown. | | <10 | U | 5.6 | 100 |
| T132 | Pinus sylvestris (Scots Pine) | M | 500 | 23(8) | | 6 | 6 | 6 | 6 | Good | Unable to fully inspect - vegetation. Stem diameter estimated. | | 20+ | B2 | 6.0 | 113 |
| T133 | Pinus sylvestris (Scots Pine) | M | 530 | 20(8) | | 7 | 7 | 7 | 7 | Fair | Minor dead wood. Soil compaction. Sparse crown. | | 10+ | C2 | 6.4 | 127 |


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