

## ENVIRONMENTAL STATEMENT - (VOLUME III)

### Appendix 9.3 Bat Activity Survey Report (Clean)

#### HyNet Carbon Dioxide Pipeline DCO

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 –  
Regulations 8(1)(c)

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# 1. INTRODUCTION

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## 1.1. PROJECT BACKGROUND

- 1.1.1. This technical appendix provides information on the activity of bat species and supports the assessment contained in **Chapter 9 – Biodiversity (Volume II)**.
- 1.1.2. The Applicant intends to build and operate a new underground carbon dioxide (CO<sub>2</sub>) pipeline from Cheshire, England to Flintshire, Wales with necessary Above Ground Installations (AGIs) and Block Valve Stations (BVSs). It is classed as a Nationally Significant Infrastructure Project (NSIP) and will require a Development Consent Order (DCO) under the Planning Act 2008 ('PA2008') granted by the Secretary of State for the Department for Energy Security and Net Zero (DESNZ).
- 1.1.3. The DCO Proposed Development will form part of HyNet North West ('the Project'), which is a hydrogen supply and Carbon Capture and Storage ('CCS') project. The goal of the Project is to reduce CO<sub>2</sub> emissions from industry, homes and transport and support economic growth in the North West of England and North Wales. The wider Project is based on the production of low carbon hydrogen from natural gas. It includes the development of a new hydrogen production plant, hydrogen distribution pipelines, hydrogen storage and the creation of CCS infrastructure. CCS prevents CO<sub>2</sub> entering the atmosphere by capturing it, compressing it, and transporting it for safe, permanent storage.
- 1.1.4. The DCO Proposed Development is a critical component of HyNet North West which, by facilitating the transportation of carbon, enables the rest of the Project to be low carbon. The hydrogen production, distribution and CO<sub>2</sub> capture and storage elements of the Project do not form part of the DCO Proposed Development and will be delivered under separate consenting processes.
- 1.1.5. The DCO Application will seek consent for the construction, operation and maintenance of the following components which are part of the DCO Proposed Development, namely:
- **Ince Above Ground Installation (AGI) to Stanlow AGI Pipeline** – a section of new underground onshore pipeline (20" in diameter) to transport CO<sub>2</sub>;
  - **Stanlow AGI to Flint AGI Pipeline** – a section of new underground onshore pipeline (36" in diameter) to transport CO<sub>2</sub>;
  - **Flint AGI to Flint Connection Pipeline** – a section of new underground onshore pipeline (24" in diameter) to transport CO<sub>2</sub>;
  - **Flint Connection to Point of Ayr (PoA) Terminal Pipeline** – a section of existing Connah's Quay to Point of Ayr (PoA) underground onshore pipeline (24" in diameter) which currently transports natural gas but would be

repurposed and reused to transport CO<sub>2</sub>. The Flint Connection to PoA Terminal Pipeline is scoped out of the EIA, except for the areas adjacent to the three BVSs that are within the Newbuild Infrastructure Boundary;

- **Four AGIs** - Ince AGI, Stanlow AGI, Northop Hall AGI, and Flint AGI;
- **Six Block Valve Stations (BVSs)** - located along:
  - The new Stanlow AGI to Flint AGI Pipeline (three in total);
  - The existing Flint Connection to PoA Terminal Pipeline (three in total);
- **Other above ground infrastructure**, including Cathodic Protection (CP) transformer rectifier cabinets and pipeline marker posts;
- **Utility Connection infrastructure**, including power utilities and Fibre Optic Cable (FOC); and
- **Temporary ancillary works** integral to the construction of the Carbon Dioxide Pipeline, including Construction Compounds and temporary access tracks.

1.1.6. Further details of each element of the DCO Proposed Development are set out in **Chapter 3 – Description of the DCO Proposed Development (Volume II)**.

## 1.2. **ECOLOGICAL BACKGROUND**

1.2.1. Extended Phase 1 habitat surveys were undertaken from 2020 and continued through 2021 and 2022, across the Newbuild Infrastructure Boundary for the DCO Proposed Development. Following these surveys, Preliminary Bat Roost Assessments (PBRAs) of structures and trees were undertaken.

1.2.2. The Newbuild Infrastructure Boundary is predominantly arable through industrial and rural village landscapes. Hedgerows, woodland, and grassland habitats are present throughout. A detailed description of habitats is provided in the **Appendix 9.1 - Habitats and Designated Sites Survey Report (Volume III)**.

### 1.3. BRIEF SCOPE AND OBJECTIVES

- 1.3.1. The purpose of the surveys to support the PBRAs was to:
- Undertake external and internal inspections of built structures across the Newbuild Infrastructure Boundary to assess their suitability to support roosting bats.
  - Undertake ground-level and aerial inspections (where required and safe to do so) of trees across the Newbuild Infrastructure Boundary to assess their suitability to support roosting bats.
  - Undertake dusk emergence/ dawn re-entry surveys of those structures and trees identified with suitability to support bat roosts to establish the presence/likely absence of bat roosts.
  - Use the data collected from these surveys to assess the direct and indirect effects of the DCO Proposed Development on bats utilising the Newbuild Infrastructure Boundary and provide suitable recommendations for avoidance, mitigation and compensation measures.
- 1.3.2. The results of the 2021 and 2022 surveys are presented within this report. The impact assessment and recommendations for mitigation and compensation are presented within **Chapter 9: Biodiversity (Volume II)**.

### 1.4. RELEVANT LEGISLATION AND POLICY

#### LEGAL COMPLIANCE

- 1.4.1. This report has been compiled with reference to the following relevant nature conservation legislation, planning policy and the UK Biodiversity Framework from which the protection of sites, habitats and species is derived in England and Wales.
- The Conservation of Habitats and Species 2017 (as amended) (**Ref. 1**);
  - The Wildlife and Countryside Act 1981 (as amended) (**Ref. 2**);
  - Natural Environment and Rural Communities Act (NERC) (**Ref. 3**);
  - Environment (Wales) Act 2016 (**Ref. 4**);
  - Planning Policy Wales (**Ref. 5**);
  - Flintshire County Council Supplementary Planning Guidance documents (**Ref. 6**); and
  - The Chester and Cheshire West local plan (**Ref. 7**).
- 1.4.2. Bat species are afforded a high level of protection under the Conservation of Habitats and Species Regulations 2017 (as amended) (the 'Habitats Regulations') (**Ref. 1**). The legislation outlines that it is an offence to
- 'Deliberately capture, injure, or kill a bat,
  - Damage or destroy a breeding site or resting place of a bat
  - Deliberately disturb bats in such a way as to be likely

a) to impair their ability -

- i) to survive, to breed or reproduce, or to rear or nurture their young; or
- ii) to hibernate or migrate; or

- to affect significantly the local distribution or abundance of the species’.

1.4.3. Protection is also partially afforded under the Wildlife and Countryside Act 1981 (as amended) (**Ref. 2**) with respect to disturbance of animals when using places of shelter or protection, and obstruction of access to places of shelter or protection.

1.4.4. Certain species of bats including noctule *Nyctalus noctula*, brown long-eared bat *Plecotus auritus* and soprano pipistrelle *Pipistrellus pygmaeus* are also listed as Species of Principal Importance (SPI) for the Conservation of Biodiversity in accordance with Section 41 of the NERC Act 2006 (**Ref 3**). Under Section 40 of the NERC Act (**Ref 3**), public bodies (including local planning authorities) have a duty to have regard for the conservation of SPI when carrying out their functions, including determining planning applications.

1.4.5. Certain species of bat, including barbastelle *Barbastella barbastellus*, Bechstein’s bat *Myotis bechsteinii*, noctule, brown long-eared bat, lesser horseshoe bat *Rhinolophus hipposideros*, greater horseshoe bat *Rhinolophus ferrumequinum*, common pipistrelle *Pipistrellus pipistrellus* and soprano pipistrelle are also listed as SPI for the purpose of maintaining and enhancing biodiversity in relation to Wales under Section 7 of the Environment (Wales) Act 2016 (**Ref. 4**). Section 6 under Part 1 introduced an enhanced biodiversity and resilience of ecosystems duty (the S6 duty) for public authorities in the exercise of functions in relation to Wales, superseding provisions previously set out in the NERC Act 2006.

## PLANNING POLICY COMPLIANCE

1.4.6. At the national level, the National Planning Policy Framework (NPPF) (2021) (**Ref. 8**) forms the basis for planning system decisions with respect to conserving and enhancing the natural environment, including bats, the ODPM circular 06/2005 also provides supplementary guidance, including confirmation that ‘the presence of a protected species is a material consideration when a planning authority is considering a development proposal’.

- 1.4.7. The NPPF sets out, amongst other points, how at an overview level the:
- ‘Planning system should contribute to and enhance the national and local environment by recognising the wider benefits of natural capital and ecosystem services; and minimising impacts on biodiversity and providing net gains in biodiversity where possible, contributing to the Government’s commitment to halt the overall decline in biodiversity, including by establishing coherent ecological networks that are more resilient to current and future pressures.
- 1.4.8. A list of principles which local planning authorities should follow when determining planning applications is detailed in the NPPF, and includes the following:
- If significant harm resulting from a development cannot be avoided... adequately mitigated, or, as a last resort, compensated for, then planning permission should be refused;
  - Opportunities to incorporate biodiversity in and around developments should be encouraged;
  - Development resulting in the loss or deterioration of irreplaceable habitats should be refused, unless there are wholly exceptional reasons and a suitable compensation strategy exists.
- 1.4.9. Planning Policy Wales (**Ref. 5**) Chapter 5 outlines that:
- ‘Proposals for which development works would contravene the protection afforded to European protected species require derogations from the provisions of the Habitats Directive.
  - A derogation may only be authorised if
    - i) There is no satisfactory alternative,
    - ii) If the action authorised will not be detrimental to the maintenance of the population of the species concerned at a favourable conservation status in its natural range, and
    - iii) The development works to be authorised must be for the purposes of preserving ‘public health or safety, or for other imperative reasons of overriding public interest, including those of a social or economic nature and beneficial consequences of primary importance for the environment’
- 1.4.10. The Flintshire County Council Supplementary Planning Guidance (‘SPG’) 2017 (**Ref. 6**) also provide information and advice regarding aspects to consider during the planning process. SPG Number 8 Nature Conservation and Development outlined that before planning permission is granted, the Council needs to address three tests during its decision on the application:

- ‘1. there is ‘no satisfactory alternative’,
2. it is ‘not detrimental to the maintenance of the populations of the species concerned at favourable conservation status in their natural range’
3. it is ‘in the interests of public health and public safety, or for other imperative reasons of overriding public interest, including those of a social or economic nature and beneficial consequences of primary importance for the environment’.



## 2. BASELINE METHODOLOGY

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### 2.1. OVERVIEW

- 2.1.1. During 2021 and 2022, the following bat surveys were undertaken to support the DCO Proposed Development:
- PBRA surveys of structures and trees;
  - Aerial tree-climb inspection surveys;
  - Dusk emergence and dawn re-entry roost surveys;
  - Bat activity surveys using static detectors; and
  - DEFRA Local Scale Surveys.
- 2.1.2. The results of the bat activity surveys using static detectors and DEFRA Local Scale surveys are provided in **Appendix 9.4 - Bats and Hedgerow Assessment (Volume III)**.
- 2.1.3. The above roost assessment surveys were undertaken, and this report prepared, in line with current best practice guidelines published by the Bat Conservation Trust (**Ref. 9**).

### 2.2. DESK STUDY

- 2.2.1. The desk study was undertaken in 2020 to review existing ecological baseline information including any sites designated for the presence of bats within 30 km of the Newbuild Infrastructure Boundary and to obtain information held by relevant third parties from the last ten years within 5 km of the Newbuild Infrastructure Boundary. Records of protected and/or notable species were requested from:
- Cofnod (North Wales Environmental Information Service); and
  - rECOrd (Cheshire, Halton, Warrington and Wirral record centre).
- 2.2.2. The findings of the desk study have been incorporated within **Section 3** of this report and are detailed in **Annex B**.

### 2.3. PRELIMINARY BAT ROOST ASSESSMENT SURVEYS

- 2.3.1. Based on the features present and the location of the structure or tree, the potential for different types of bat roost was also considered. For the purpose of this preliminary roost assessment, potential roost types were grouped as follows (**Ref. 9**):
- Maternity (breeding roost);
  - Summer / transitional (to include transitional, satellite, night and day roosts); and,
  - Hibernation.
- 2.3.2. These surveys were carried out between March 2021 and December 2022.

## STRUCTURES

- 2.3.3. Buildings and structures were inspected from ground level using binoculars and a high-powered torch. Buildings were inspected externally and internally where safe to do so and permissible in line with COVID-19 government guidelines. Potential Roosting Features (PRFs) were identified and recorded including suitable access points for bats, gaps in mortar, missing bricks, lifted lead flashing, missing roof tiles and gaps behind soffits and fascias. These features were searched for the presence of bats or evidence such as droppings, staining and feeding signs.
- 2.3.4. Buildings and structures were assessed for their suitability to support roosting bats and categorised in line with **Table 1** below, adapted from the Good Practice Guidelines (**Ref. 9**).

## TREES

- 2.3.5. Trees were inspected to identify PRFs for bats. Inspections were initially conducted from the ground using binoculars and a high-powered torch. A brief description of the tree's character was noted, along with surrounding habitat suitability for bats. Trees were photographed and mapped using tablets with GPS functionality, and the tree was tagged with a number, where possible. All features identified and considered suitable for use by roosting bats were recorded including woodpecker holes, knot holes, tear-outs, wounds, hazard-beams, frost cracks, lightning strikes etc.
- 2.3.6. PRFs were then examined for the presence of bats or evidence of roosting bats by a licensed ecologist, where accessible and safe to do so. Evidence could include bat droppings, scratches, smoothing, staining and odour.
- 2.3.7. Trees were assessed for their suitability to support roosting bats and categorised in line with **Table 1** below, adapted from the Good Practice Guidelines (**Ref. 9**).

**Table 1 – Roost Suitability Categorisation**

Category	Description
<b>Confirmed</b>	Structure or tree with features confirmed to be used by roosting bats either by historic records (verified appropriately), or evidence recorded during survey.
<b>High</b>	Structure or tree with one or more suitable roost sites that are obviously suitable for use by larger numbers of bats on a more regular basis and potentially for longer periods of time due to their size, shelter, protection, conditions, and surrounding habitat.

Category	Description
<b>Moderate</b>	Structure or tree with one or more suitable roost sites that could be used by bats due to their size, shelter, protection, conditions, and surrounding habitat but unlikely to support a roost of high conservation status (with respect to roost type only, irrespective of species conservation status of this stage).
<b>Low</b>	Structure with one or more potential roost sites that could be used by individual bats opportunistically. However, these roost sites do not provide enough space, shelter, or suitable surrounding conditions to support large numbers of bats.  Tree of sufficient size and age to contain suitable roost sites but with none seen from the ground or features seen with only very limited roosting potential.
<b>Negligible</b>	Structure or tree with no suitable opportunities for roosting bats, or very few or minor features in an isolated/unsuitable location such that the presence of a roost is considered highly improbable. E.g., isolated from suitable foraging or commuting habitats.

## 2.4. AERIAL TREE CLIMB INSPECTION SURVEYS

- 2.4.1. In total, 86 trees were searched via climbed inspection surveys by a Natural England (NE) and / or Natural Resources Wales (NRW) bat licensed ecologist or accredited agent.
- 2.4.2. If the PRFs recorded were unable to be inspected from ground level, an aerial tree-climb inspection was completed at trees that were considered safe to climb. These surveys were undertaken by a minimum of two qualified tree climbers working under a minimum of a Class 2 NE bat licence and/ or NRW bat licence. Aerial tree-climb inspections were completed using an endoscope and a high-powered torch. The character, profile and suitability of PRFs to support a bat roost were recorded for all aerially inspected features, alongside the presence/absence of bats or evidence of bat use.
- 2.4.3. Where aerial tree climbing inspections were considered sufficient to thoroughly check all the PRFs on a tree, the tree climbing survey result was taken to replace one of the evening dusk emergence or dawn re-entry surveys.

## 2.5. DUSK EMERGENCE AND DAWN RE-ENTRY SURVEYS

- 2.5.1. In total, 160 structures and trees have been subject to dusk emergence or dawn re-entry surveys. Any surveys not completed due to access constraints or otherwise will be completed as part of pre-commencement surveys prior to construction. The Detailed Design of the DCO Proposed Development will dictate the extent and location of pre-commencement surveys to be undertaken, to ensure sufficient information to support any European Protected Species (EPS) licensing requirements to facilitate construction. A full list of survey dates and weather data for each survey can be found in **Annex F**.
- 2.5.2. Dusk emergence and dawn re-entry surveys were undertaken during the 2021 and 2022 bat survey season from May to September with at least two weeks between each visit, in line with the Good Practice Guidelines (**Ref. 9**). The survey effort for each feature type is outlined in **Table 2** below. Where a survey visit was conducted in September and/or October, this only occurred where weather conditions were suitable and at least one visit had been conducted between May and August, inclusive.
- 2.5.3. Dusk emergence surveys involved the monitoring of identified PRFs on suitable trees and structures from 15 minutes before sunset to 1.5 hours after sunset. Dawn re-entry surveys involved the monitoring of identified PRFs on suitable trees and structures from 1.5 hours before sunrise to 15 minutes after sunrise.
- 2.5.4. Surveys were undertaken in suitable weather conditions, generally taken to be:
- A temperature of 10°C at dusk; and
  - Absence of strong winds (6 or above on the Beaufort scale); and
  - Dry or light rain only (2 or below on scale of 0-5).

**Table 2 – Survey Effort for Bat Surveys at Structures and Trees**

	<b>Low Roost Suitability</b>	<b>Moderate Roost Suitability</b>	<b>High Roost Suitability/Confirmed Roost</b>
<b>Structures</b>	One survey visit between May and August	Two separate survey visits (one dusk and a separate dawn) May-September with at least one survey between May and August	Three separate survey visits (at least one dusk and a separate dawn) May-September, with at least two surveys between May and August
<b>Trees</b>	No further surveys required		



## 2.6. DATES OF SURVEY AND PERSONNEL

2.6.1. Bat surveys, including external building assessments, were led by experienced surveyors with a minimum of two years' experience of undertaking bat surveys and included licensed individuals. Surveys were carried out under the following licence numbers:

- 2017-32292-CLS-CLS (NE)
- 2015-15891-CLS-CLS (NE)
- 2015-15829-CLS-CLS (NE)
- S088709/3 (NRW)

2.6.2. The timing of survey visits is available in **Table 7**, **Table 8** and **Table 9** in **Annex E** and **Annex F**.

## 2.7. NOTES AND LIMITATIONS

2.7.1. Records held by local biological record centres and local recording groups are generally collected on a voluntary basis. Therefore, the absence of records does not demonstrate the absence of species, it may simply indicate a gap in recording coverage. In the case of bat roosts, the type of roost is often unrecorded due to the difficulty of interpreting such data.

2.7.2. As a result of the COVID-19 pandemic, restrictions on survey method were imposed to safeguard surveyor and public health and structures were only inspected externally to protect the surveyors and occupants. Full viewshed of the structures was obtained where possible and all structures were subject to the recommended survey efforts as described in **Table 2**, enabling a full external assessment. As such, the lack of internal inspection has not adversely impacted the results or conclusions presented within this report.

2.7.3. Surveys were confined to land where access had been permitted. Access was limited at certain features where adjoining landowners had not agreed access which could have reduced views of the target feature. Where this is the case, a conservative assumption was made based on available data, survey results or the feature was re-surveyed when access became available.

2.7.4. Some features on structures or trees were obscured by vegetation or other obstructions. Where this was the case, surveyors on dusk emergence surveys and dawn re-entry surveys orientated themselves to achieve the best possible viewshed of the features. If this was not possible, the surveys were repeated when further access was available, or an extra aerial tree climb inspection was considered in the case of trees. A precautionary assessment has been applied where any ambiguity over roost presence was found. This approach has not adversely impacted the results or conclusions of this report.

- 2.7.5. Not all trees with moderate or high suitability to support bat roosts were able to be subjected to an aerial tree climb inspection survey due to health and safety concerns or access issues. Where this was the case, the correct survey effort was carried out through dusk emergence and dawn re-entry surveys.
- 2.7.6. Some dusk emergence and dawn re-entry surveys were constrained by equipment malfunction and failure. However, as there is always more than one surveyor in the vicinity of the target feature during each survey, the recordings from the nearest surveyor were used to determine species. Where data was not suitable then the survey was repeated. This has not adversely affected the results of the surveys or conclusions of this report.
- 2.7.7. Some dusk emergence and dawn re-entry surveys were conducted using zero crossing recording devices rather than full spectrum recording devices. This data was still able to be analysed, with the sound files used to identify the species recorded during the surveys. No new roosts were identified at any locations where zero crossing recorded devices were used. The results of these surveys are suitable for use and have not adversely impacted the results or conclusions of this report.
- 2.7.8. A dusk emergence survey carried out on T105 on 05 October 2021 was carried out in suboptimal windy conditions. No bats were detected, but this is not thought to have affected results as the tree was found fallen on 03 March 2022. The tree was downgraded to negligible suitability to support bat roosts and the second scheduled survey cancelled.
- 2.7.9. Some dusk emergence and dawn re-entry survey visits were constrained or abandoned due to sub-optimal weather and/or aggressive livestock and were not able to be rescheduled. As such, full survey effort (in comparison to **Table 2** above) was not completed for those detailed in **Annex C, Table 5** and **Annex D, Table 6**. The remaining surveys will be completed as part of pre-commencement surveys prior to construction. In the absence of a full suite of survey visits, a worst-case precautionary assessment in the form of a confirmed roost has been assumed and assessed (as detailed in **Annex C, Table 5** and **Annex D, Table 6**).
- 2.7.10. One group of trees (T325, T326 and T327) was recorded as being utilised by multiple brown long-eared bats due to potential emergences recorded during the first survey (10/08/2021). However, subsequent survey visits did not record any roosting activity. As such, a precautionary approach has been taken and T325, T326 and T327 are assumed to each support a brown long-eared day roost.

- 2.7.11. Due to the proposed design changes and amendments to the Newbuild Infrastructure Boundary, additional PBRA surveys were completed in December 2022. Additional trees (T491-T499) were assessed as having either Low or Moderate suitability to support roosting bats. Trees that were assessed as having Moderate suitability to support roosting bats (T491, T495, T496 and T499) have not yet been subject to dusk emergence and dawn re-entry survey visits. The remaining surveys will be completed as part of the pre-commencement surveys prior to construction, where required. In the absence of a full suite of survey visits, a worst-case precautionary assessment in the form of a confirmed roost (of a single/low number of common bat species in keeping with roosts recorded to date) has been assessed (as detailed in **Annex D, Table 6**).



### 3. RESULTS

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#### 3.1. DESK STUDY

- 3.1.1. The results of the desk study are summarised below. Full results of records for bat species can be found in **Annex B**.

##### **NEWBUILD INFRASTRUCTURE BOUNDARY**

- 3.1.2. No SACs which are designated for bats were identified within 30 km of the Newbuild Infrastructure Boundary. In addition, no SSSIs designated for bats were identified within 5 km of the Newbuild Infrastructure Boundary.
- 3.1.3. The desk study from rECOrd returned 192 records of bats within 5 km of the Newbuild Infrastructure Boundary from the last ten years. Eight of these records pertained to confirmed bat roosts, the closest being 0.59 km south-east of the Newbuild Infrastructure Boundary pertaining to two soprano pipistrelles. The closest record overall related to one brown long-eared bat, 0.03 km west of the Newbuild Infrastructure Boundary in 2017. The most recent record was of a common pipistrelle 2.48 km to the southwest in 2020.
- 3.1.4. The desk study from Cofnod returned 163 records of bats within 5 km of the Newbuild Infrastructure Boundary from the last ten years. Eighteen of these records pertained to confirmed bat roosts, the closest being 0.08 km east of the Newbuild Infrastructure Boundary pertaining to a day roost of two common pipistrelles, a single soprano pipistrelle and a single lesser horseshoe bat. The closest record related to the foraging and commuting activity of 46 common pipistrelles recorded over three nights, 0.04 km to the northeast of the Newbuild Infrastructure Boundary in 2014. The most recent record was the same day roost previously detailed pertaining to two common pipistrelles, a single soprano pipistrelle and a single lesser horseshoe bat, located 0.08 km east of the Newbuild Infrastructure Boundary in 2019.
- 3.1.5. There are also unconfirmed bat species records and unidentified pipistrelle species records where the species has not been confirmed or identified to species level.
- 3.1.6. From these records, no confirmed or potential bat roosts within the Newbuild Infrastructure Boundary were identified. Twenty-six confirmed or potential bat roosts were identified within 5 km of the Newbuild Infrastructure Boundary from the last ten years. Due to these records being collected mostly on a volunteer basis, the potential roost type is unknown in all but one record. These roosts are detailed in **Table 3**.

**Table 3 – Confirmed/Potential Bat Roosts Within 5 km of the Newbuild Infrastructure Boundary from the Last Ten Years**

<b>Species</b>	<b>Date of Record</b>	<b>Estimated Roost Size</b>	<b>Distance and Orientation from Site</b>
<b>Lesser Horseshoe bat</b>	06/06/2016	1 bat (Day roost)	0.29 km south-west
<b>Common pipistrelle</b>	01/08/2019	2 bats	0.08 km east
<b>Soprano pipistrelle</b>	01/08/2019	1 bat	0.08 km east
<b>Lesser horseshoe bat</b>	01/08/2019	1 bat	0.08 km east
<b>Brown long-eared bat</b>	01/05/2012	2 bats	0.33 km north-west
<b>Common pipistrelle</b>	01/05/2012	4 bats	0.33 km north-west
<b>Soprano pipistrelle</b>	13/08/2019	2 bats	0.59 km south-east
<b>Pipistrelle sp.</b>	11/03/2020	2 bats	0.69 km south
<b>Pipistrelle sp.</b>	12/03/2020	2 bats	0.69 km south
<b>Soprano pipistrelle</b>	02/07/2019	1 bat	0.74 km south
<b>Soprano pipistrelle</b>	25/07/2019	1 bat	0.74 km south
<b>Brown long-eared bat</b>	11/03/2020	1 bat	0.79 km south
<b>Brown long-eared bat</b>	29/05/2019	1 bat	0.8 km south
<b>Brown long-eared bat</b>	04/07/2012	2 bats	0.86 km north
<b>Pipistrelle sp.</b>	18/06/2012	Unknown – only droppings present	0.22 km south-west
<b>Brown Long-eared Bat</b>	29/06/2013	5 Adults	2.17 km west
<b>Common Pipistrelle</b>	11/07/2018	80 Adult	2.25 km southwest
<b>Brown Long-eared Bat</b>	01/08/2017	20	2.46 km south
<b>Common Pipistrelle</b>	29/05/2020	50 plus	2.48 km southwest
<b>Lesser Horseshoe Bat</b>	14/07/2016	1	3.25 km southwest
<b>Lesser Horseshoe Bat</b>	06/07/2014	Droppings	3.26 km south
<b>Common Pipistrelle</b>	16/08/2019	1 Adult	3.3 km south

Species	Date of Record	Estimated Roost Size	Distance and Orientation from Site
Whiskered Bat	13/05/2019	1 Droppings	3.3 km south
Pipistrelle	01/05/2015	1	4.01 km southeast
Lesser Horseshoe Bat	27/06/2012	Unknown	4.56 km west
Lesser Horseshoe Bat	24/06/2015	54	4.65 km west

- 3.1.7. A total of 24 European Protected Species (EPS) licences pertaining to nine bat species were granted within 5 km of the Newbuild Infrastructure Boundary. The closest of these (ref: EPSM2012-4287) was located 170 m northeast of the Newbuild Infrastructure Boundary and related to the destruction of a resting place of common pipistrelle.

## 3.2. PRELIMINARY ROOST ASSESSMENT SURVEYS

### STRUCTURES

- 3.2.1. Following PBRA surveys, 90 structures were identified within the Newbuild Infrastructure Boundary. Of these, 79 were classified as having Negligible suitability to support roosting bats and therefore were not carried forward for further surveys. A total 11 structures were assessed as having suitability to support roosting bats. This comprised of:
- 6 structures with low suitability to support roosting bats;
  - 4 structures with moderate suitability to support roosting bats; and
  - 1 structure with high suitability to support roosting bats.
- 3.2.2. No roosts were identified during PBRA surveys. Full results of the structure inspection surveys are provided in **Annex C; Table 5** and presented in **Figure 9.3.1**. Photographs are shown in **Annex G; Table 11**.

### TREES

- 3.2.3. Following ground level tree inspection surveys, 426 trees were assessed as having suitability to support roosting bats. This comprises:
- 201 trees with low suitability to support roosting bats;
  - 193 trees with moderate suitability to support roosting bats; and
  - 32 trees with high suitability to support roosting bats.
- 3.2.4. No roosts were identified during PBRA surveys.
- 3.2.5. Full results of the tree inspection surveys are provided in **Annex D; Table 6**. Photographs are shown in **Annex G; Table 10**.

### 3.3. AERIAL TREE CLIMB INSPECTION SURVEYS

3.3.1. A total of 82 trees were subject to aerial tree climbing inspections, where the tree was safe and accessible. Following the aerial tree climbing inspections, the numbers of trees with suitability to support bat roosts was adjusted as follows:

- 12 trees with negligible suitability to support roosting bats:
  - All downgraded from moderate and high suitability during the aerial tree climbing surveys;
- 239 trees with low suitability to support roosting bats:
  - 38 trees downgraded to low suitability from moderate and high suitability following the aerial tree climbing surveys;
- 145 trees with moderate suitability to support roosting bats:
  - 33 trees downgraded to low suitability and four upgraded to high from moderate suitability following tree climbing surveys
- 30 trees with high suitability to support roosting bats:
  - Five trees downgraded to low and four trees upgraded to high suitability from moderate suitability following the aerial tree climbing surveys.

3.3.2. No roosts were identified during aerial tree climbing inspection surveys. Full results of the ground level tree inspection surveys and results following the aerial tree climbing inspections are provided in **Annex D; Table 6** and **Figure 9.3.2**.

### 3.4. DUSK EMERGENCE AND DAWN RE-ENTRY SURVEYS

3.4.1. The following bat species were recorded during the dusk emergence and dawn re-entry surveys. Behaviours recorded included foraging or commuting close to the target survey features:

- Common pipistrelle
- Soprano pipistrelle
- *Myotis* spp.
- Brown long-eared bat
- Noctule

3.4.2. Due to low light levels, vegetation cover, or surveyor location, visibility of some emergences or re-entries from target features was reduced. These instances were treated as confirmed roosts, all of which are detailed in **Annex E; Table 7** and presented in **Figure 9.3.3**

## STRUCTURES

- 3.4.3. Following the PBRA surveys of structures, seven structures were subject to dusk emergence and dawn re-entry surveys. The surveys identified bat roosts in three structures within the Newbuild Infrastructure Boundary. B97 was utilised by a single common pipistrelle as a day roost and B133 supported a day roost for a small number of common and soprano pipistrelle. B113 supported a day roost for common pipistrelle, with a single common pipistrelle emerging during the first dusk survey visit, and six common pipistrelles emerging during the third survey visit. Confirmed bat roosts are detailed in **Annex E; Table 7** and presented in **Figure 9.3.3**. Those structures precautionarily assessed as a roost due to incomplete survey effort are detailed in **Annex C, Table 5**.

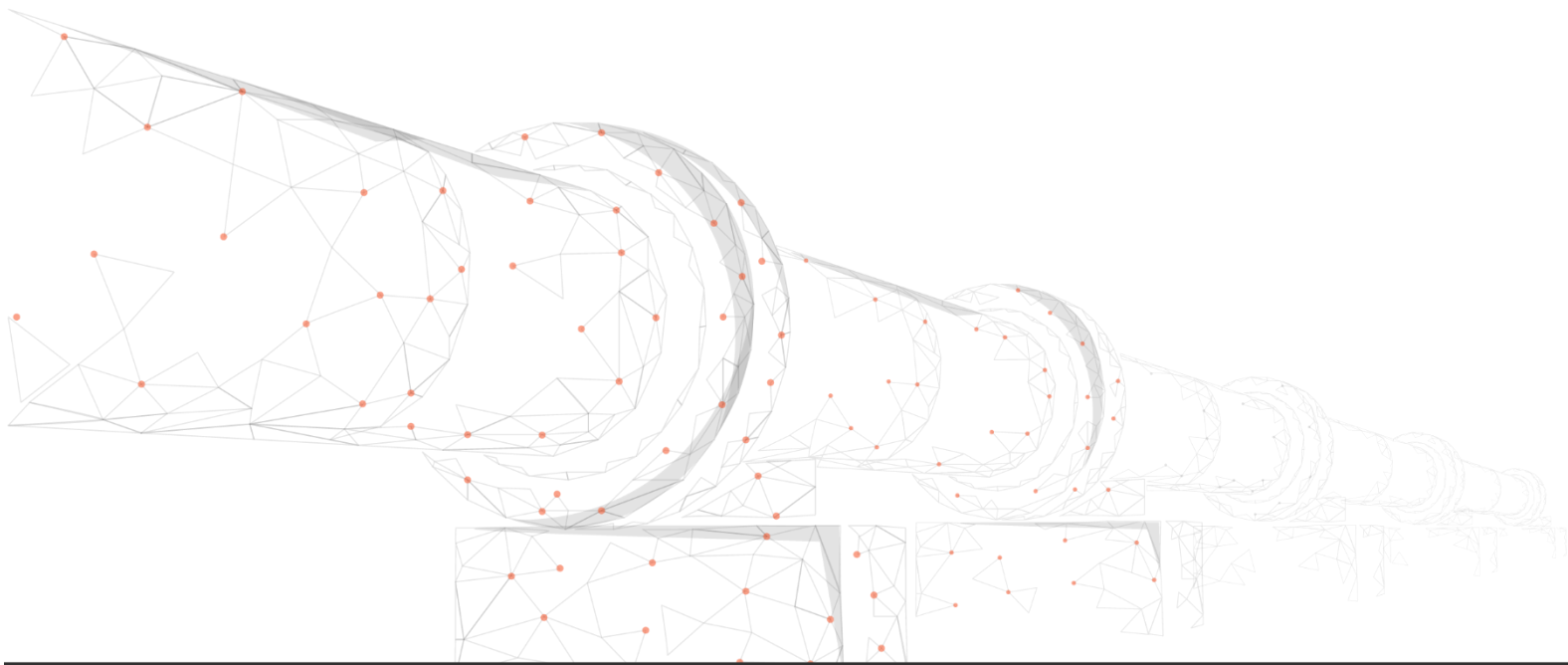
## TREES

- 3.4.4. Following the PBRA surveys and aerial tree climb inspections, 155 trees were subject to dusk emergence and dawn re-entry surveys. The surveys identified bat roosts in 17 trees within the Newbuild Infrastructure Boundary. Of these roosts, ten were utilised by a single common or soprano pipistrelle as a day roost, one (T1) saw two soprano pipistrelles returning to the roost, one (T238) saw two soprano pipistrelles emerge from the roost and one (T111) saw a common soprano and a *Myotis sp.* return to roost. [REDACTED] was utilised by multiple noctules as a maternity roost and a single soprano pipistrelle as a day roost.
- 3.4.5. The remaining three recorded roosts were T325, T326 and T327, which were believed to be utilised by a small number of brown long-eared bats due to potential emergences of several bats during the first survey of T325 (10/08/2021). However, the subsequent two survey visits in June and July 2022 did not record any roosting activity at any of the trees. As such, a precautionary approach is taken and all three are assumed to support BLE day roosts.
- 3.4.6. Confirmed bat roosts (including the potential roosts) are detailed in **Annex E; Table 7** and presented in **Figure 9.3.3**. Those trees precautionarily assessed as a roost are detailed in **Annex D, Table 6**.

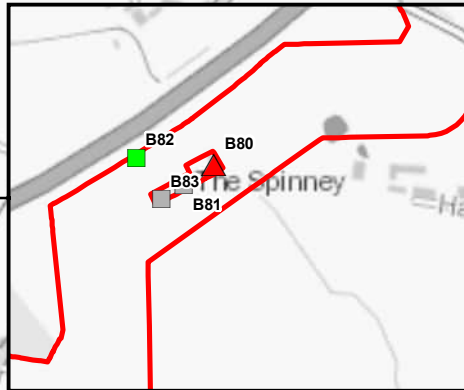
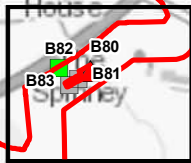
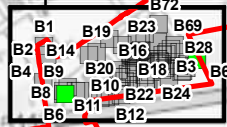
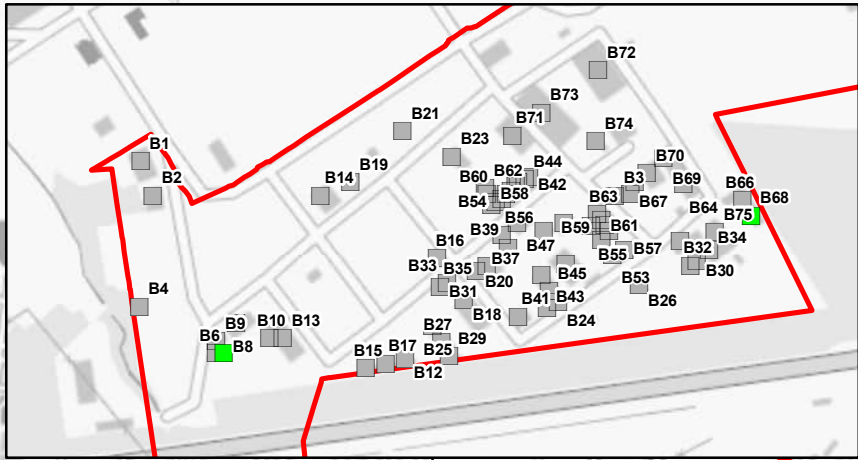
- **Ref. 1:** Her Majesty's Stationary Office (HMSO) (2017). *The Conservation of Habitats and Species Regulations 2017 (as amended)*. HMSO, Norwich.
- **Ref. 2:** HMSO (1981). *Wildlife and Countryside Act (as amended by the Countryside and Rights of Way Act 2000)*. HMSO, Norwich.
- **Ref. 3:** HMSO (2006) *Natural Environment and Rural Communities Act* HMSO, Norwich.
- **Ref. 4:** HMSO (2016) *Environment (Wales) Act 2016*. Welsh Government.
- **Ref. 5:** Welsh Government (2021). *Planning Policy Wales, Planning Policy Wales – Edition 11*.
- **Ref. 6:** Flintshire County Council Local Plan (2021) *Flintshire County Council Supplementary Guidance Documents* Supplementary Guidance.
- **Ref. 7:** The Chester and Cheshire West Local Plan (2017), *Cheshire West and Cheshire Council, Local Plan, Part Two: Land Allocations and Detailed Policies*.
- **Ref. 8:** Department for Communities and Local Government (DCLG) (2019). *The National Planning Policy Framework*. DCLG, London.
- **Ref. 9:** Collins J. (ed.) (2016) *Bat Surveys for Professional Ecologists, Good Practice Guidelines (3rd Edition)*. The Bat Conservation Trust, London.
- **Ref. 10:** Russ, J (2021) *Bat Calls of Britain and Europe: A Guide to Species Identification*. Pelagic Publishing, Exeter.
- **Ref. 11:** Russ, J (2012) *British Bat Calls: A Guide to Species Identification*. Pelagic Publishing, Exeter.
- **Ref. 12:** Middleton, N (2020) *Is That a Bat? A Guide to Non-Bat Sounds Encountered During Bat Surveys*. Pelagic Publishing, Exeter.

# Annex A

## FIGURES







1:900,000

### Key:

Newbuild Infrastructure Boundary

### Suitability

- Confirmed Roost
- Precautionary Confirmed Roost
- Low
- Negligible

### SCALE:

0 375 750 Metres

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**HyNet North West**

### PROJECT TITLE

**HyNet Carbon Dioxide Pipeline DCO**

### DRAWING TITLE

Figure 9.3.1 - Structures with Suitability to Support Bat Roosts Sheet 1 of 6

### DRAWING STATUS

Final for DCO Examination - submitted at Deadline 7

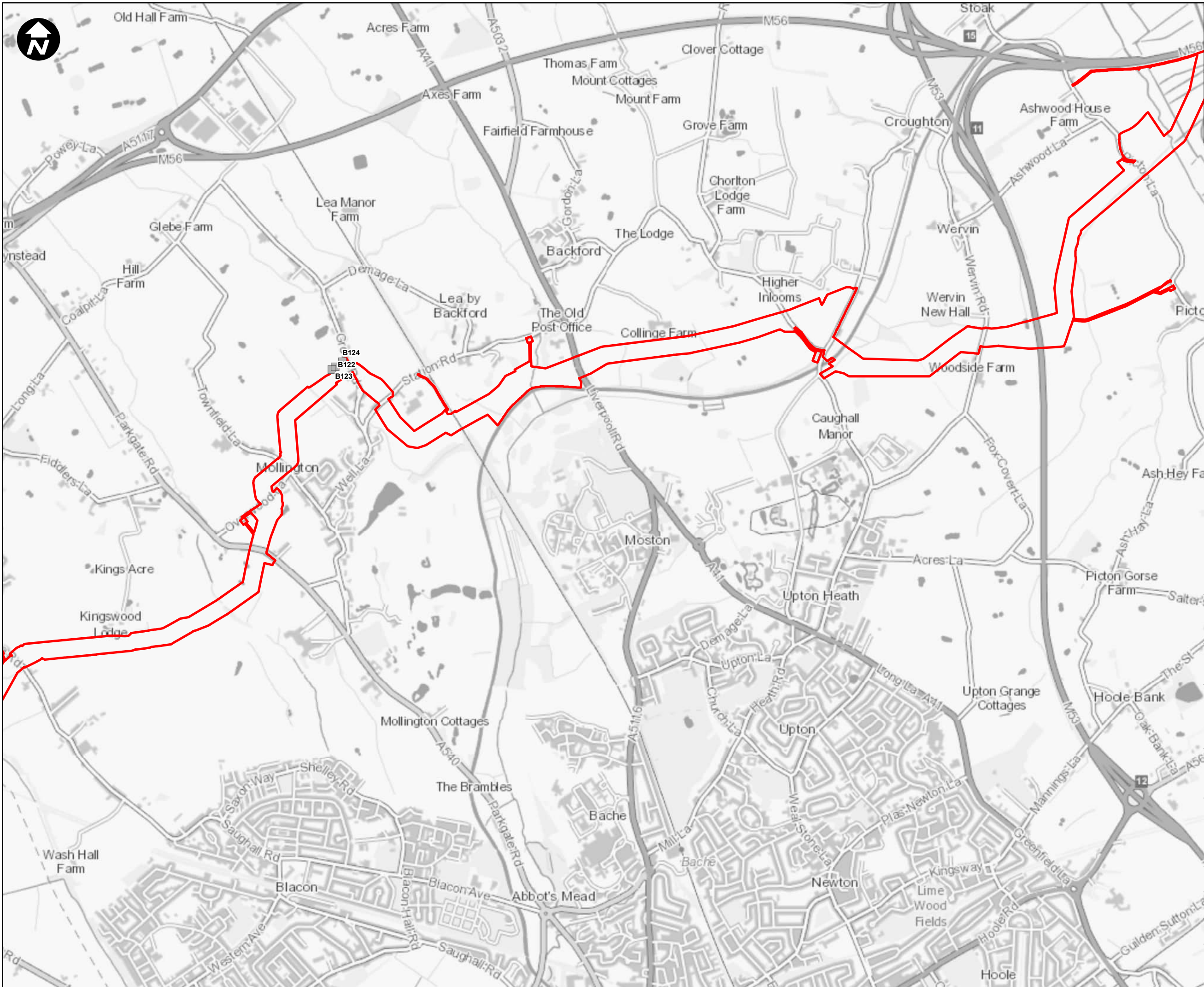
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### DRAWING NUMBER

EN070007-APP-ES-9.3.1-Sheet 1









1:900,000

**Key:**

 Newbuild Infrastructure Boundary

 Negligible

**Suitability**

**SCALE:**

0 375 750 Metres

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**HyNet North West**

PROJECT TITLE

**HyNet Carbon Dioxide Pipeline DCO**

DRAWING TITLE

Figure 9.3.1 - Structures with Suitability to Support Bat Roosts Sheet 2 of 6

DRAWING STATUS

Final for DCO Examination - submitted at Deadline 7

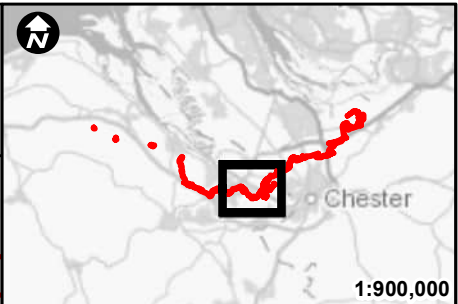
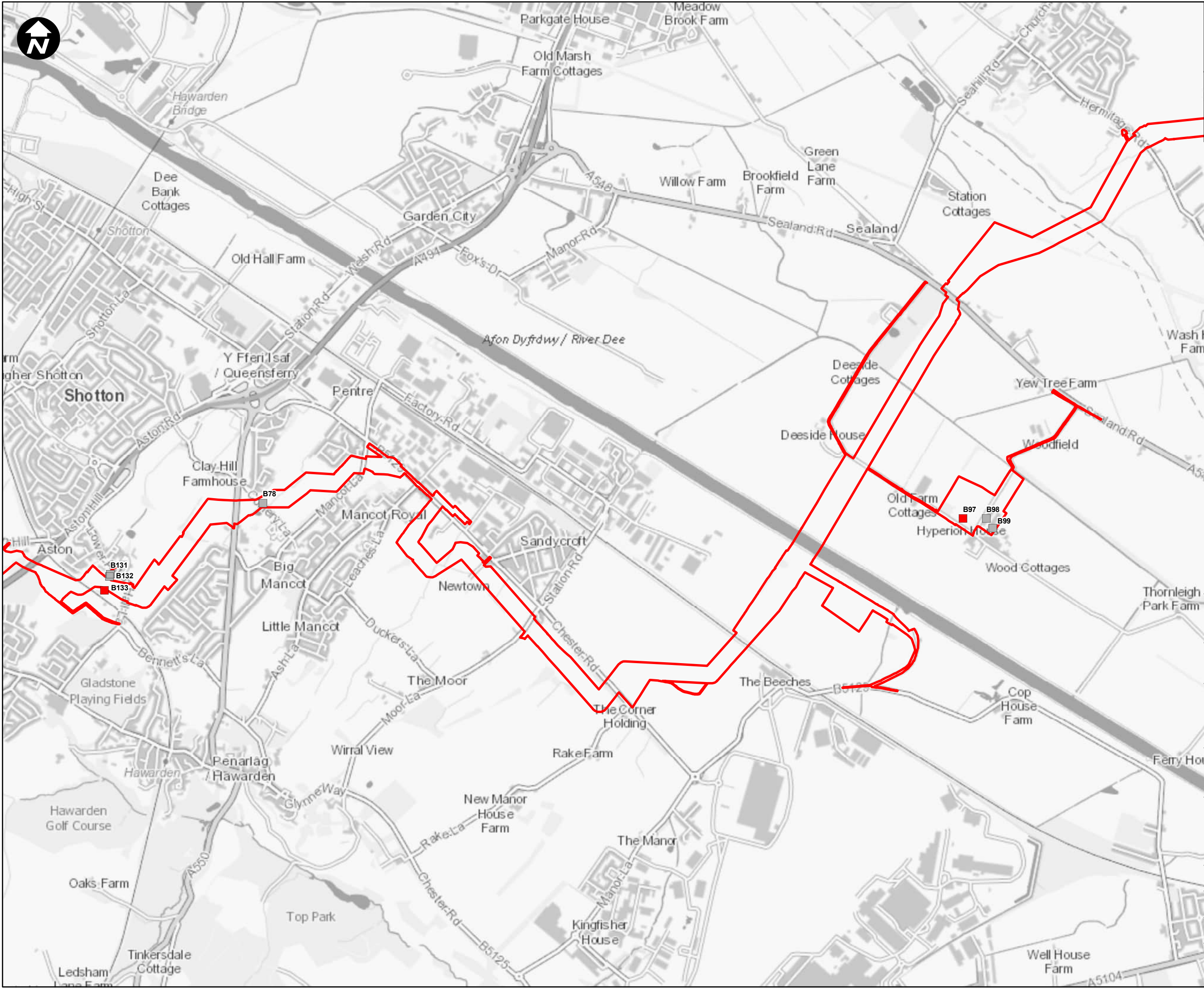
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DRAWING NUMBER

EN070007-APP-ES-9.3.1-Sheet 2





**Key:**

Newbuild Infrastructure Boundary

**Suitability**

Confirmed Roost

Negligible



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## HyNet North West

**PROJECT TITLE**

**HyNet Carbon Dioxide Pipeline DCO**

**DRAWING TITLE**

Figure 9.3.1 - Structures with Suitability to Support Bat Roosts Sheet 3 of 6

**DRAWING STATUS**

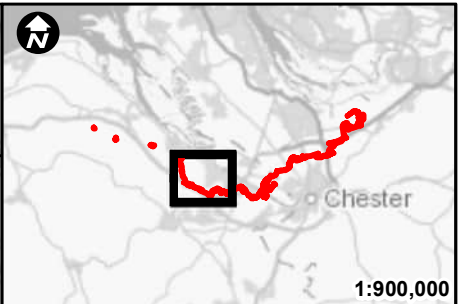
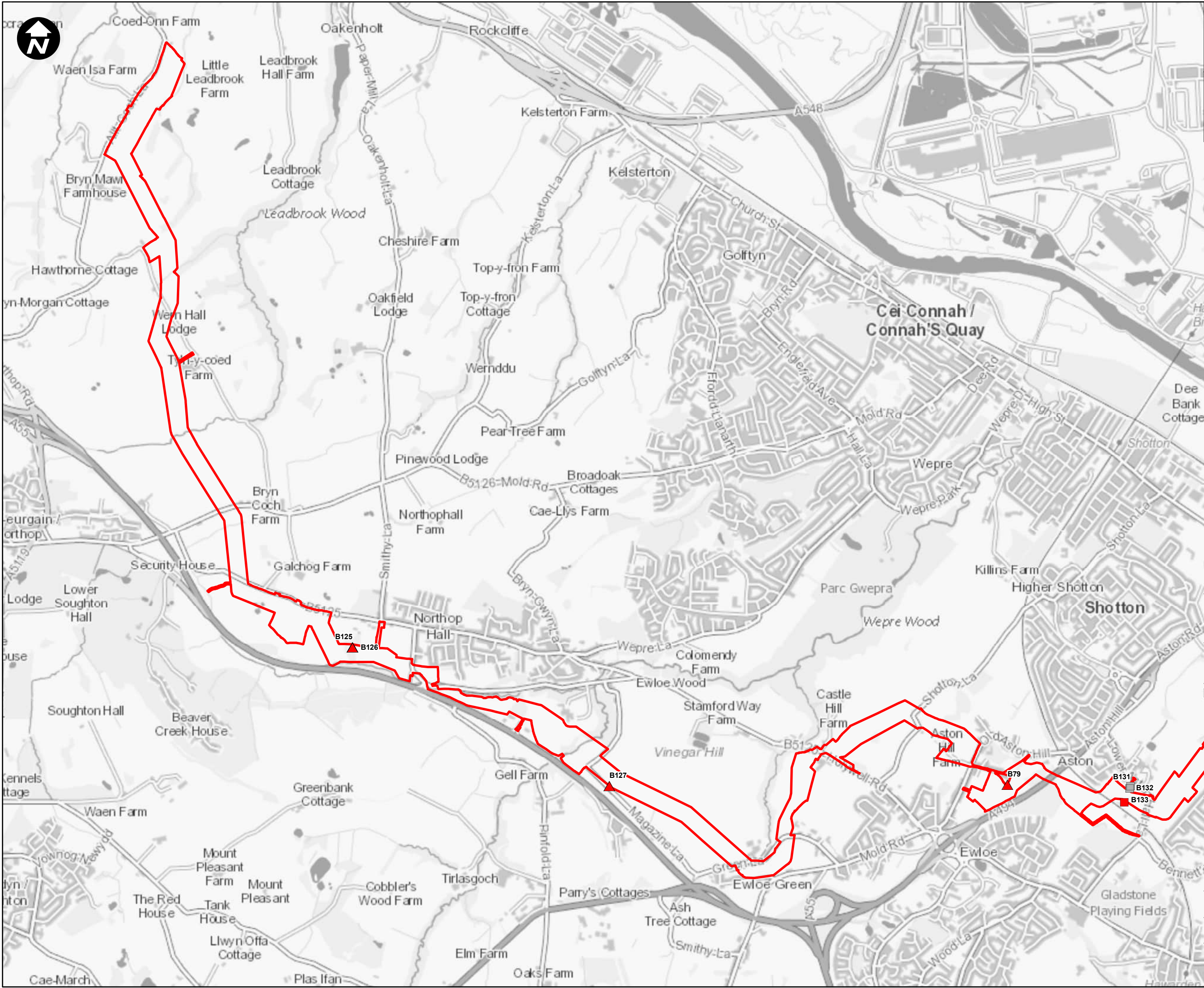
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**DRAWING NUMBER**

EN070007-APP-ES-9.3.1-Sheet 3





**Key:**

Newbuild Infrastructure Boundary

**Suitability**

- Confirmed Roost
- ▲ Precautionary Confirmed Roost
- Negligible

**SCALE:**

0 375 750 Metres

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**HyNet North West**

**PROJECT TITLE**

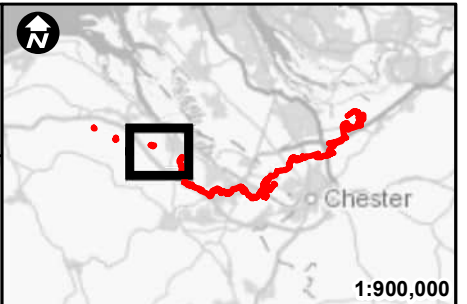
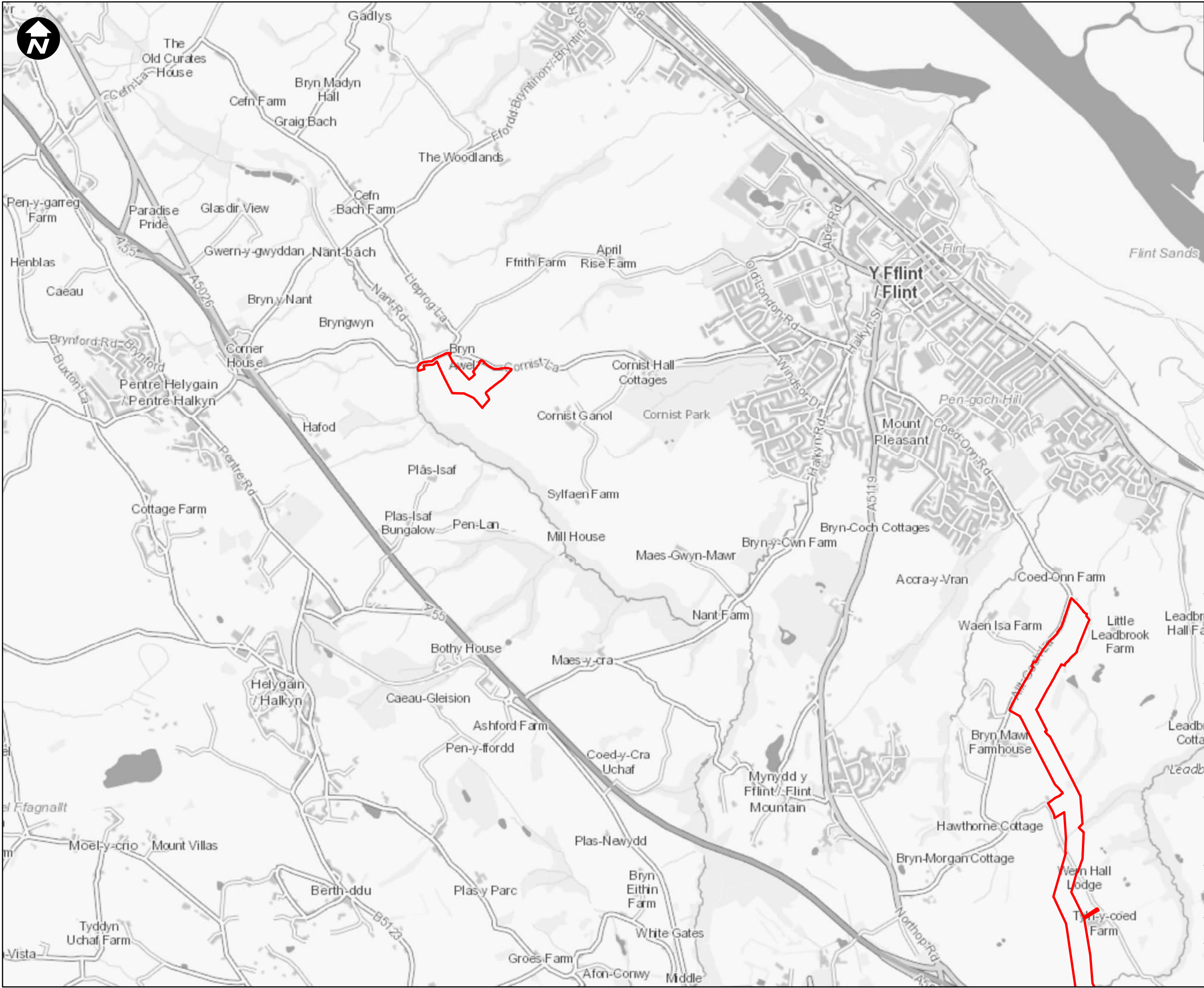
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Figure 9.3.1 - Structures with Suitability to Support Bat Roosts Sheet 4 of 6

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**HyNet Carbon Dioxide Pipeline DCO**

**DRAWING TITLE**

Figure 9.3.1 - Structures with Suitability to Support Bat Roosts Sheet 5 of 6

**DRAWING STATUS**

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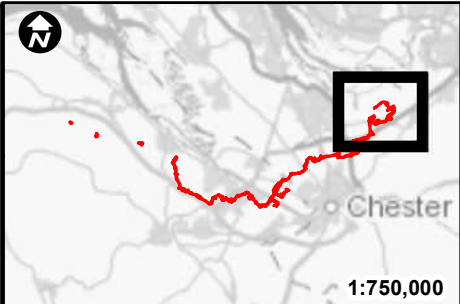
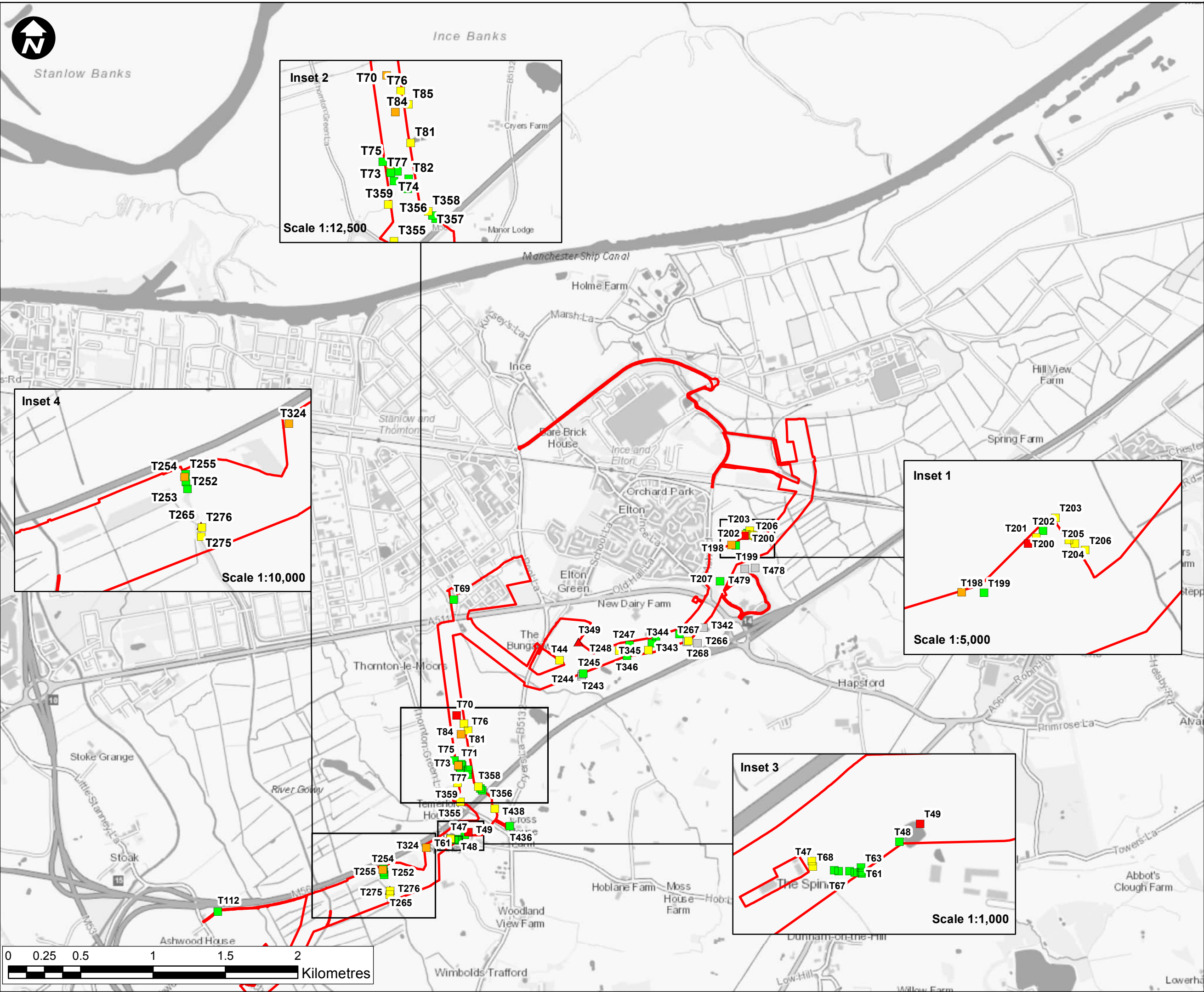
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**Key:**

Newbuild Infrastructure Boundary

**Suitability**

- Confirmed Roost
- ▲ Precautionary Confirmed Roost
- Likely absent - High
- Likely absent - Moderate
- Low
- N/A - Outside NIB

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PROJECT TITLE

**HyNet North West  
Carbon Dioxide Pipeline DCO**

DRAWING TITLE

**Figure 9.3.2 - Trees with Suitability to  
Support Bat Roosts Sheet 1 of 7**

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Final for DCO Examination - Submitted at Deadline 7

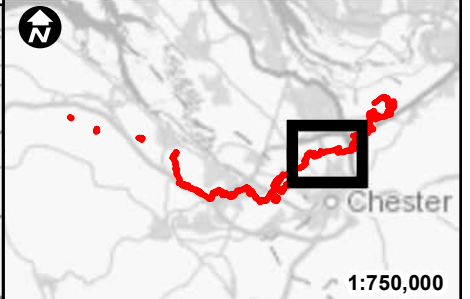
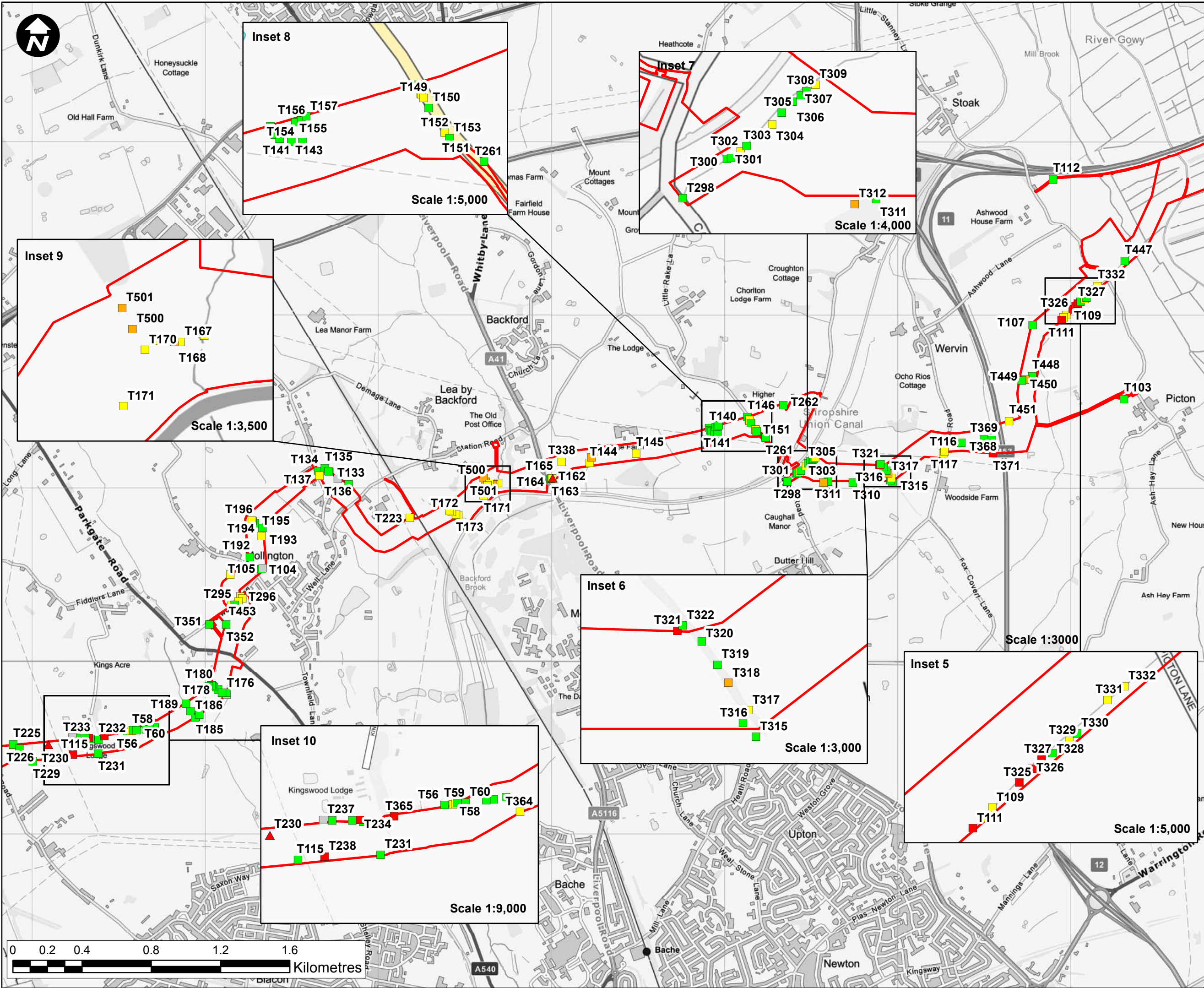
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**EN070007-APP-ES-9.3.2 Sheet 1**





- Key:**
- Newbuild Infrastructure Boundary
- Suitability**
- Precautionary Confirmed Roost
  - Confirmed Roost
  - Likely absent - High
  - Likely absent - Moderate
  - Low
  - Negligible

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## HyNet North West

PROJECT TITLE  
**HyNet North West  
Carbon Dioxide Pipeline DCO**

DRAWING TITLE  
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Support Bat Roosts Sheet 2 of 7**

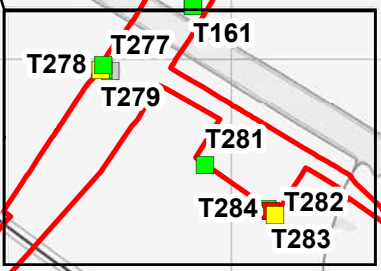
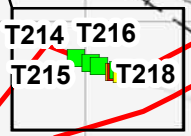
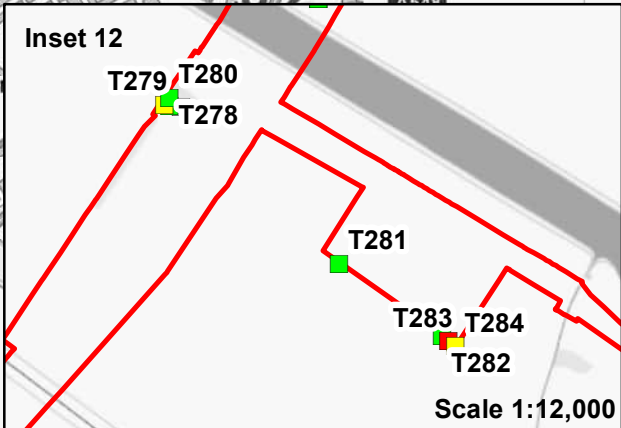
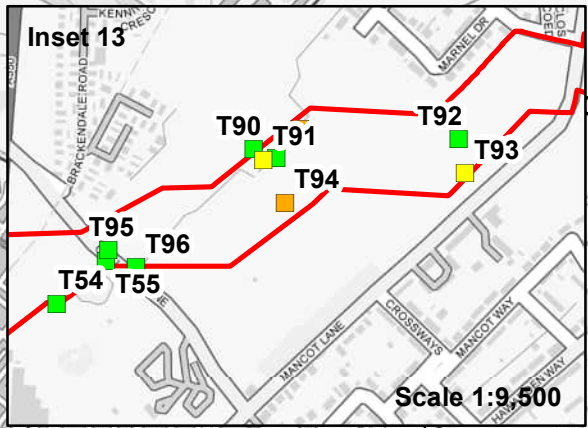
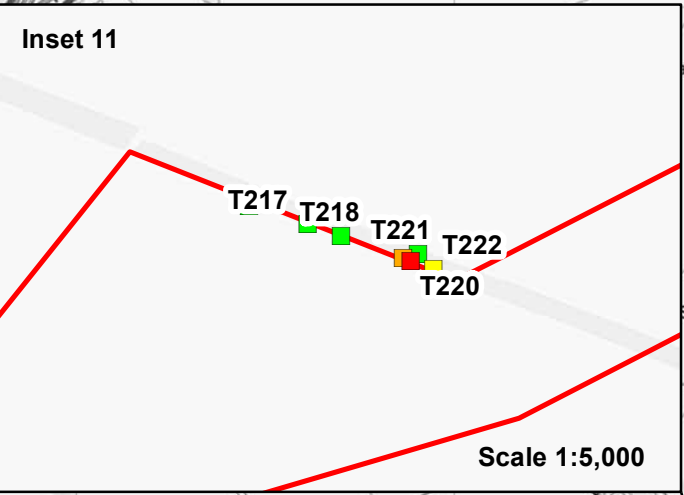
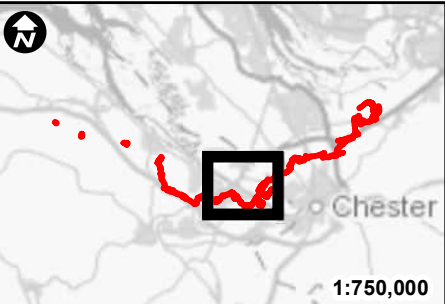
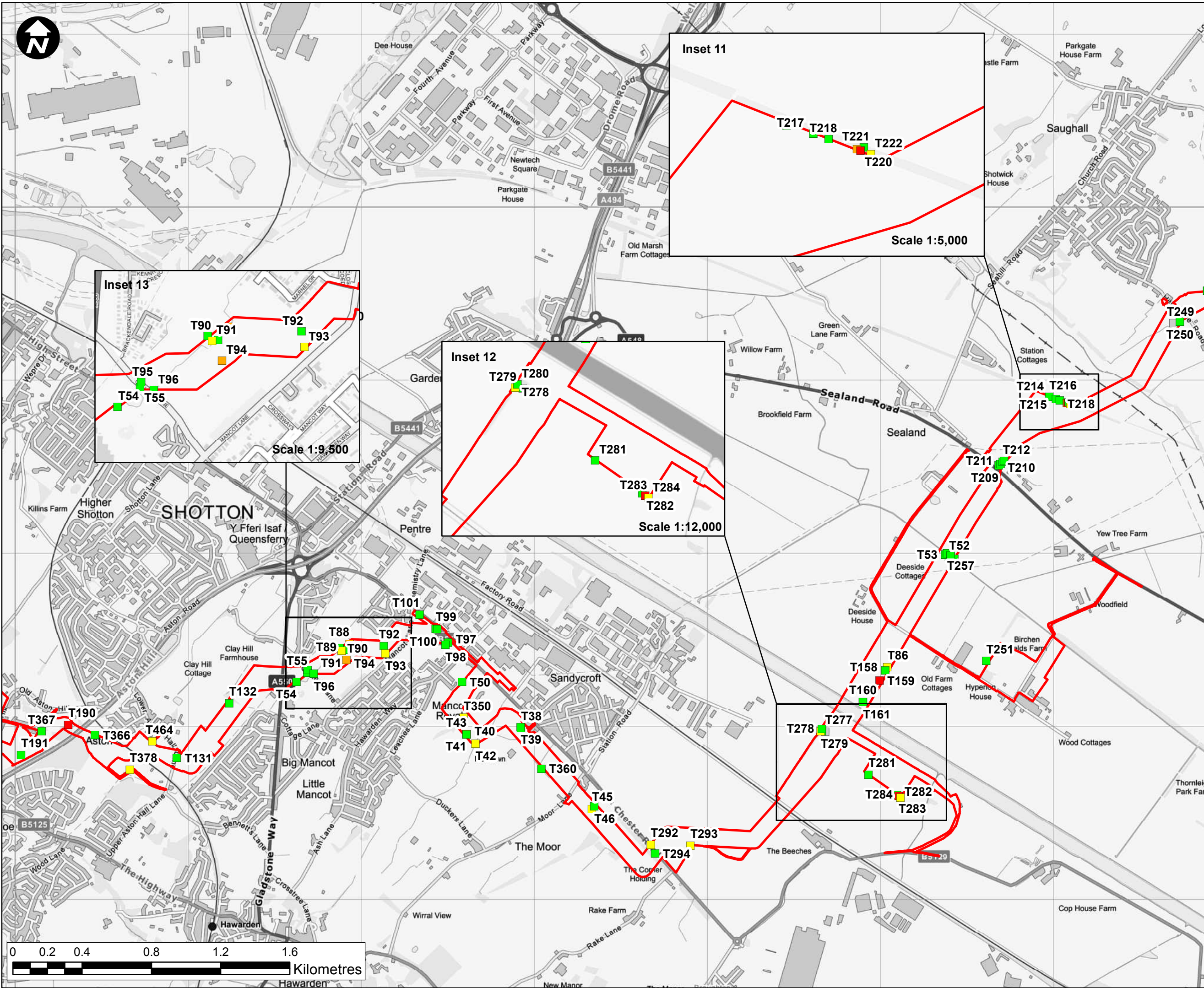
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**EN070007-APP-ES-9.3.2 Sheet 2**





- Key:**
- Newbuild Infrastructure Boundary
- Suitability**
- Confirmed Roost
  - Likely absent - High
  - Likely absent - Moderate
  - Low
  - Negligible

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**PROJECT TITLE**  
HyNet North West  
Carbon Dioxide Pipeline DCO

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Figure 9.3.2 - Trees with Suitability to Support Bat Roosts Sheet 3 of 7

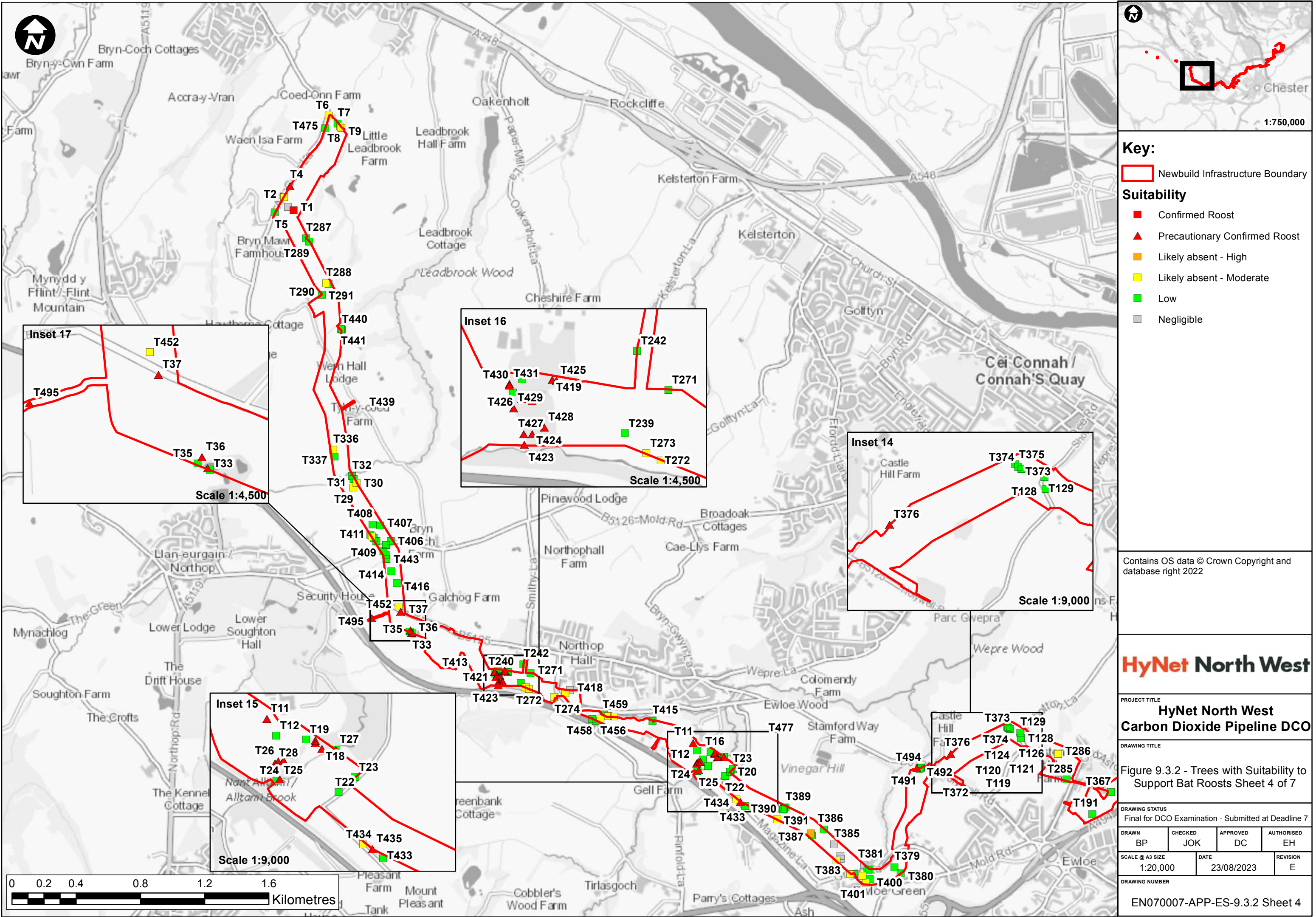
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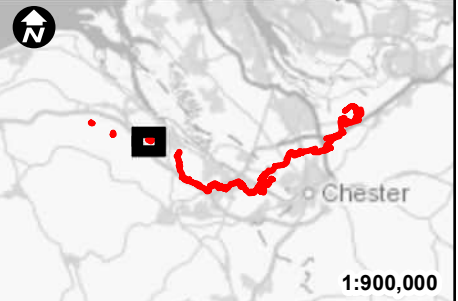
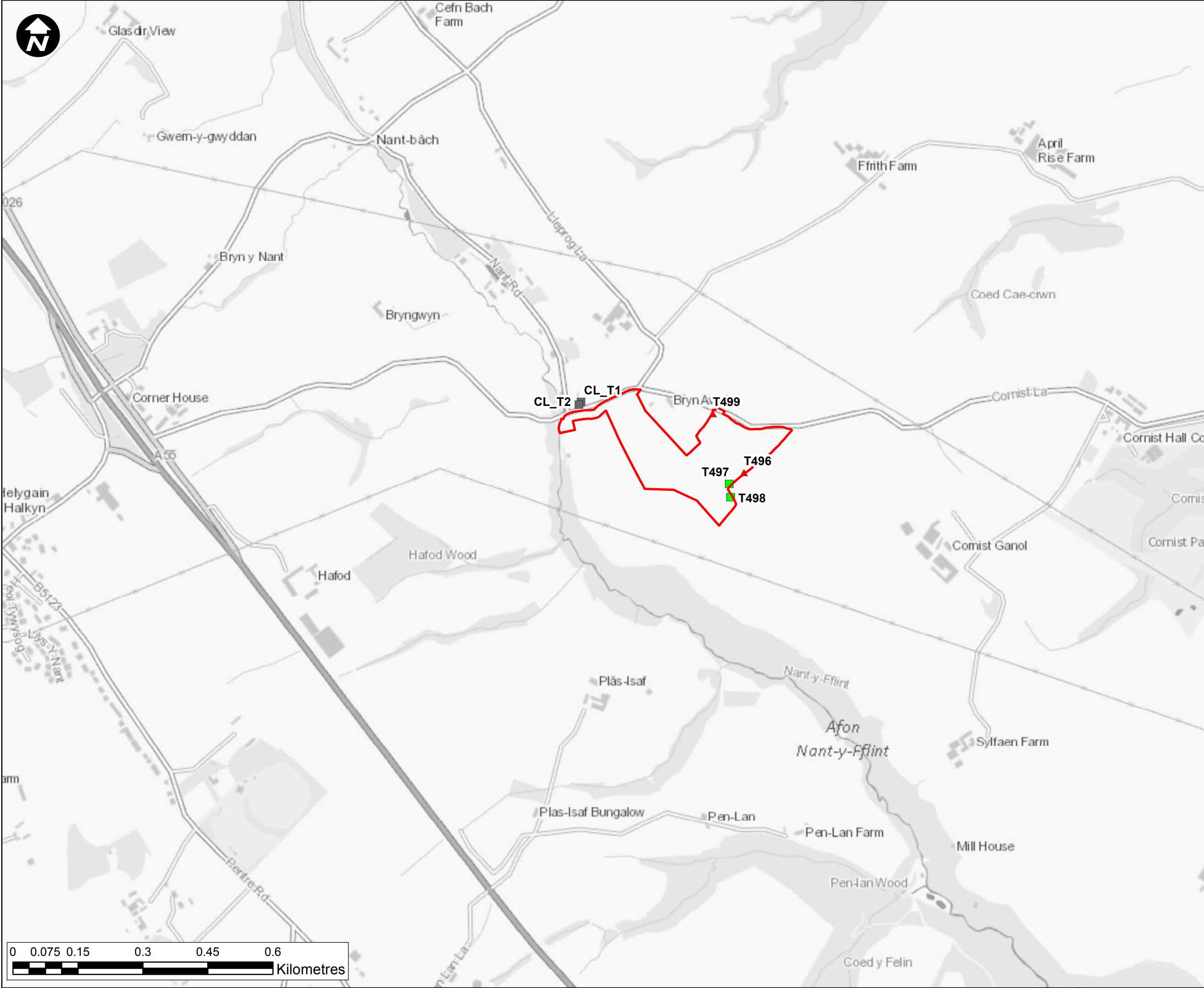
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EN070007-APP-ES-9.3.2 Sheet 3









- Key:**
- Newbuild Infrastructure Boundary
  - ▲ Precautionary Confirmed Roost
  - Low
  - N/A - Outside NIB

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HyNet North West  
Carbon Dioxide Pipeline DCO

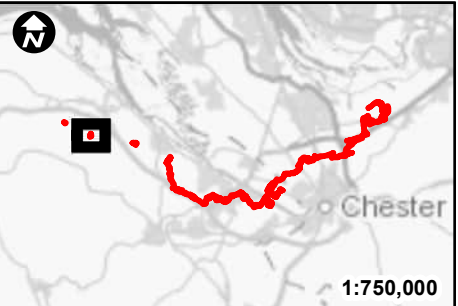
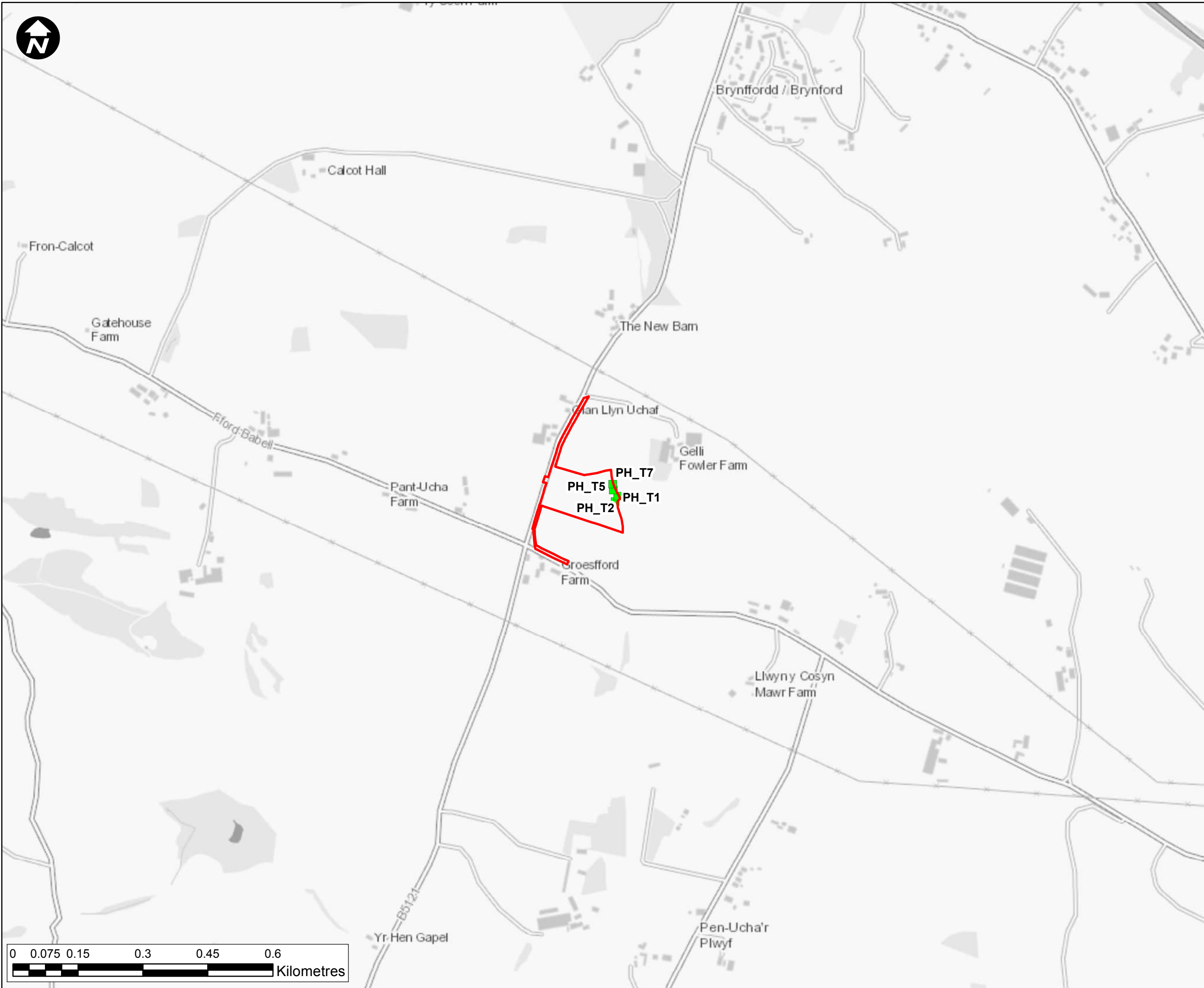
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**DRAWING NUMBER**  
EN070007-APP-ES-9.3.2 Sheet 5



**Key:**

Newbuild Infrastructure Boundary

**Suitability**

■ Low

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## HyNet North West

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**HyNet North West  
Carbon Dioxide Pipeline DCO**

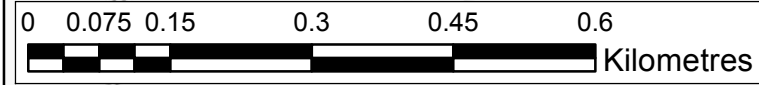
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Support Bat Roosts Sheet 6 of 7**

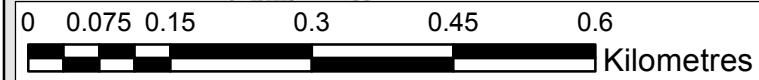
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**EN070007-APP-ES-9.3.2 Sheet7**





**Key:**

Newbuild Infrastructure Boundary

**Suitability**

- Likely absent - High
- Likely absent - Moderate
- Low

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**HyNet North West**

**PROJECT TITLE**  
HyNet North West Carbon Dioxide Pipeline DCO

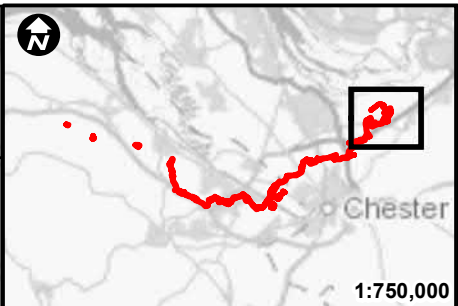
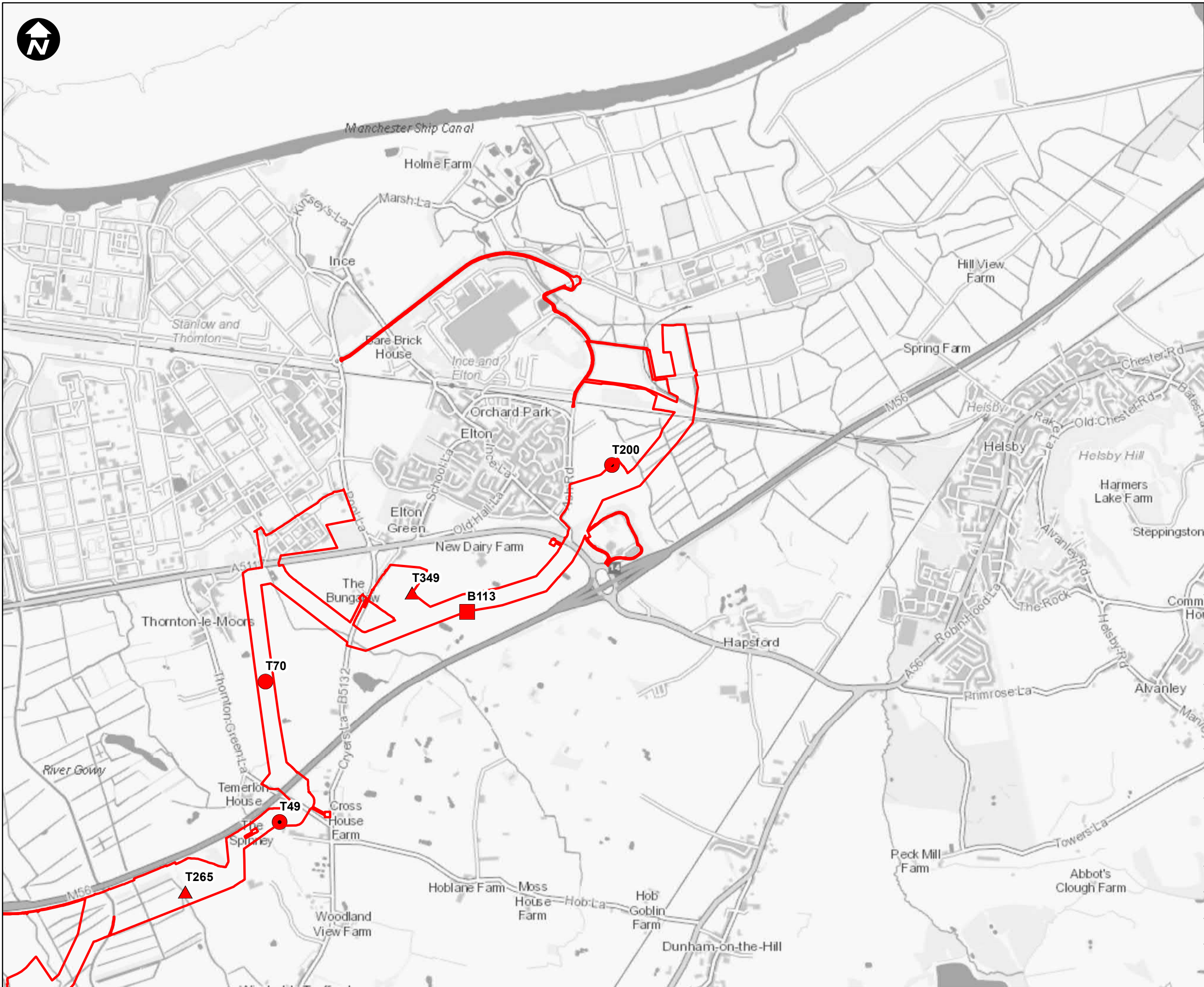
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Figure 9.3.2 - Trees with Suitability to Support Bat Roosts Sheet 7 of 7

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Final for DCO Examination - Submitted at Deadline 7

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EN070007-APP-ES-9.3.2 Sheet 7



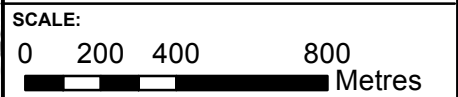


**Key:**

Newbuild Infrastructure Boundary

**Bat Roosts**

- Day roost (Tree)
- Day roost (Building)
- ◐ Potential day roost (Tree)
- ▲ Precautionary Confirmed Roost



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**HyNet North West**

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HyNet North West Carbon Dioxide Pipeline DCO

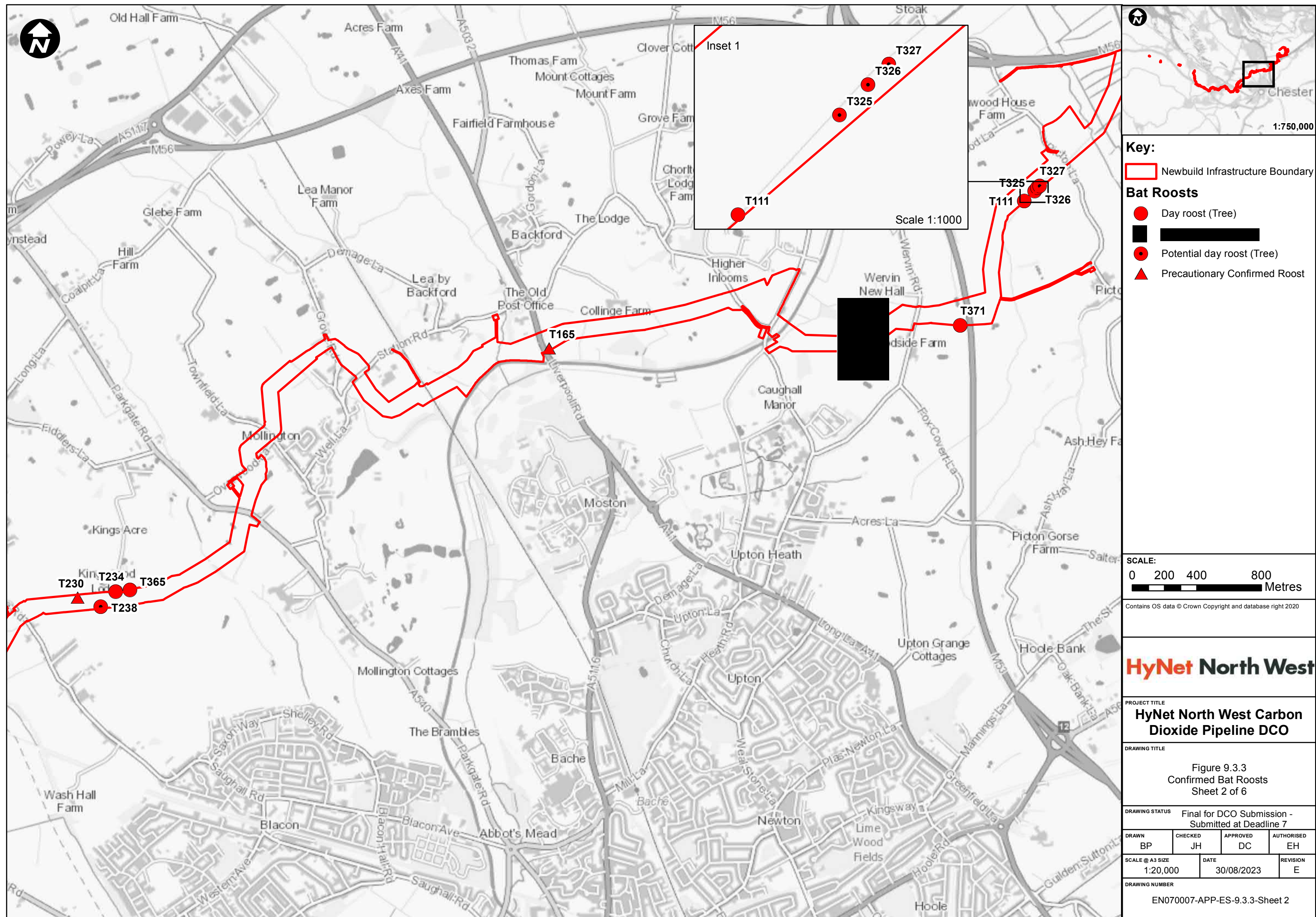
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Confirmed Bat Roosts  
Sheet 1 of 6

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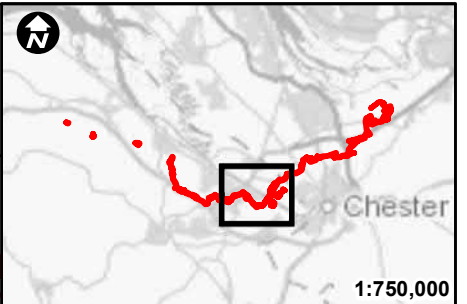
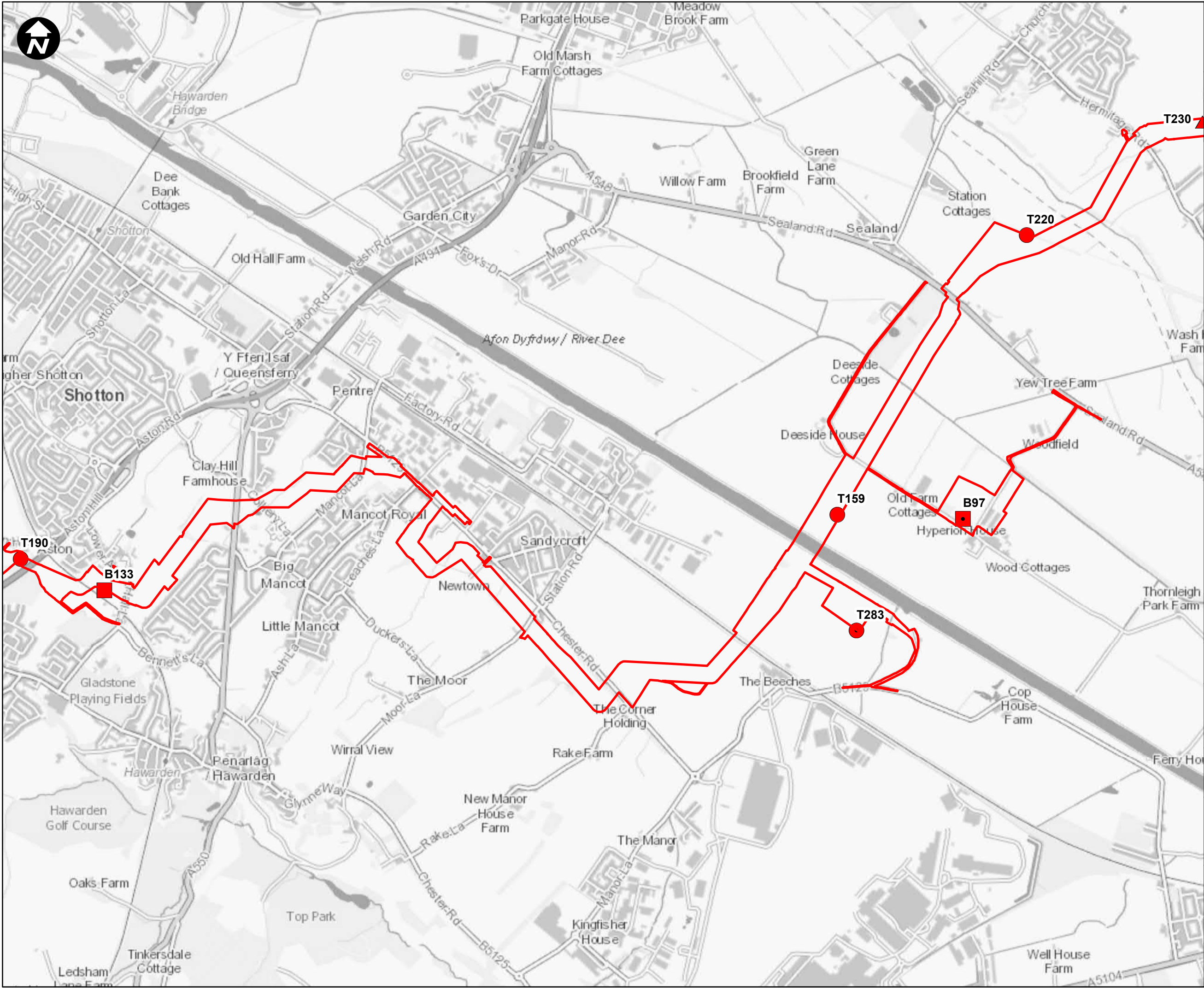
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EN070007-APP-ES-9.3.3-Sheet 1









- Key:**
- Bat Roosts**
- Day roost (Tree)
  - Day roost (Building)
  - Potential day roost (Building)
  - Potential day roost (Tree)
  - ▲ Precautionary Confirmed Roost



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**HyNet North West**

**PROJECT TITLE**

**HyNet North West Carbon Dioxide Pipeline DCO**

**DRAWING TITLE**

Figure 9.3.3  
Confirmed Bat Roosts  
Sheet 3 of 6

**DRAWING STATUS** Final for DCO Submission - Submitted at Deadline 7

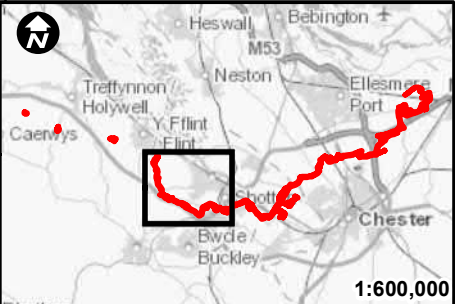
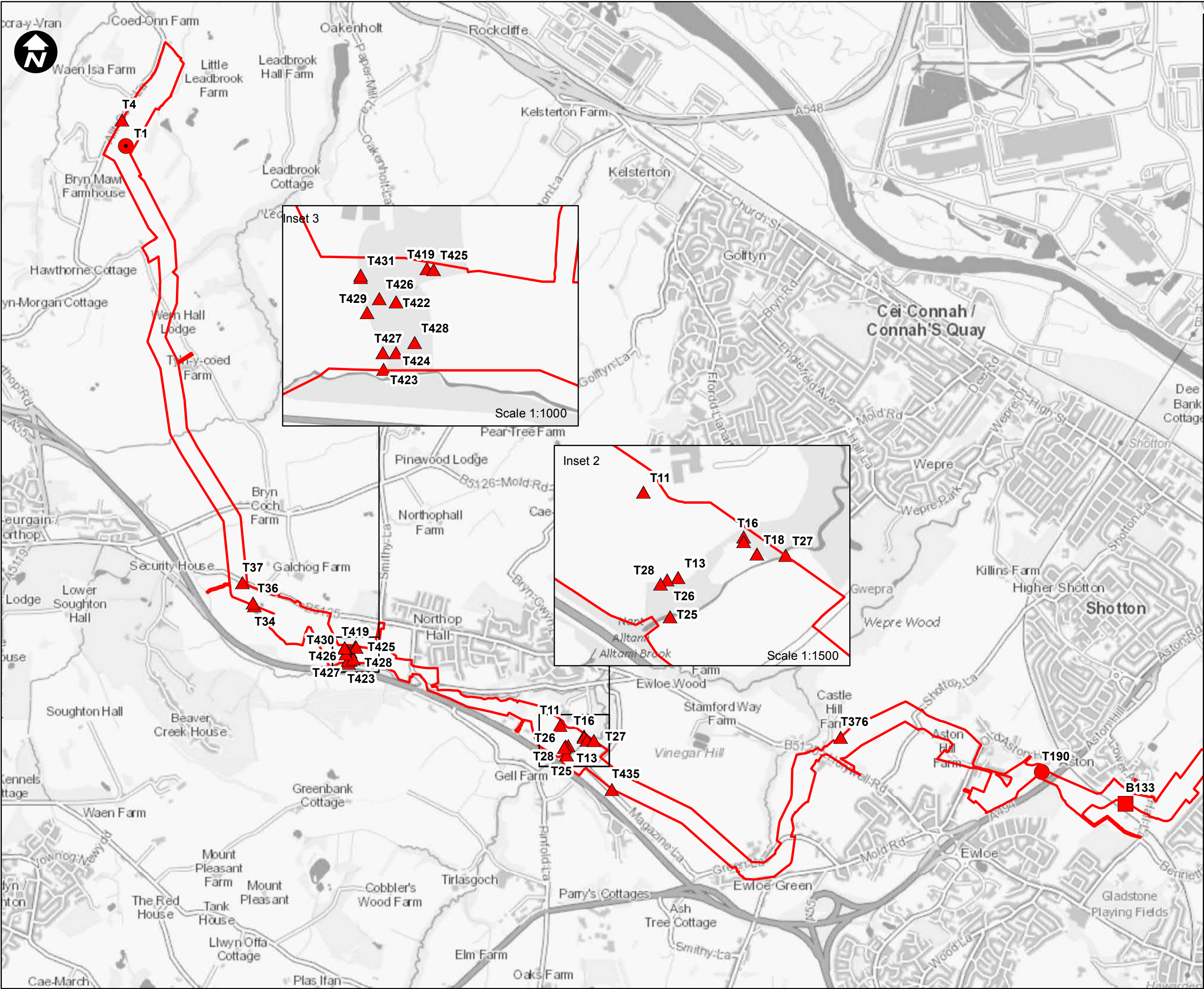
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BP	JF	DC	EC

SCALE @ A3 SIZE	DATE	REVISION
1:20,000	30/08/2023	E

**DRAWING NUMBER**

EN070007-APP-ES-9.3.3-Sheet 3





- Key:**
- Newbuild Infrastructure Boundary
  - Day roost (Tree)
  - Day roost (Building)
  - ◉ Potential day roost (Tree)
  - ▲ Pecautionary\_Confirmed\_Roosts

**SCALE:**  
0 200 400 800  
Metres

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**HyNet North West**

**PROJECT TITLE**  
**HyNet North West Carbon Dioxide Pipeline DCO**

**DRAWING TITLE**  
Figure 9.3.3  
Confirmed Bat Roosts  
Sheet 4 of 6

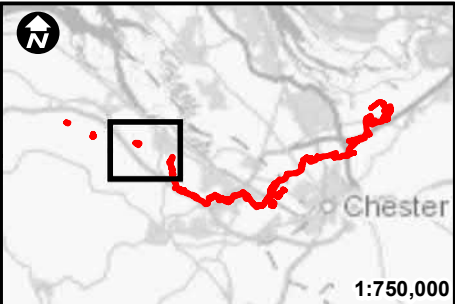
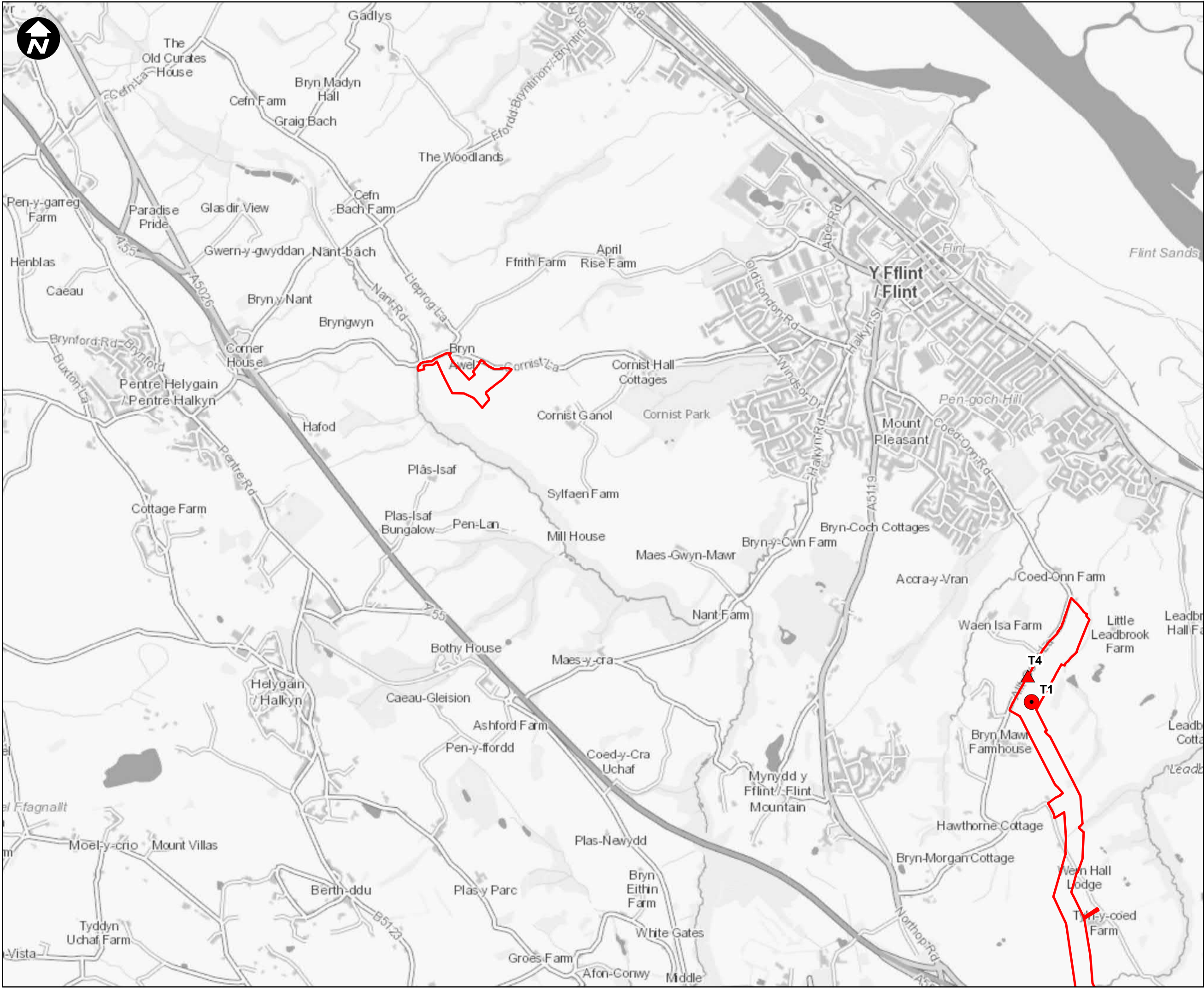
**DRAWING STATUS** Final for DCO Submission - Submitted at Deadline 7

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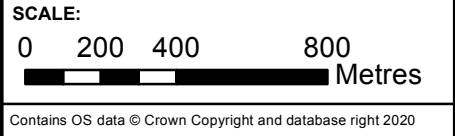
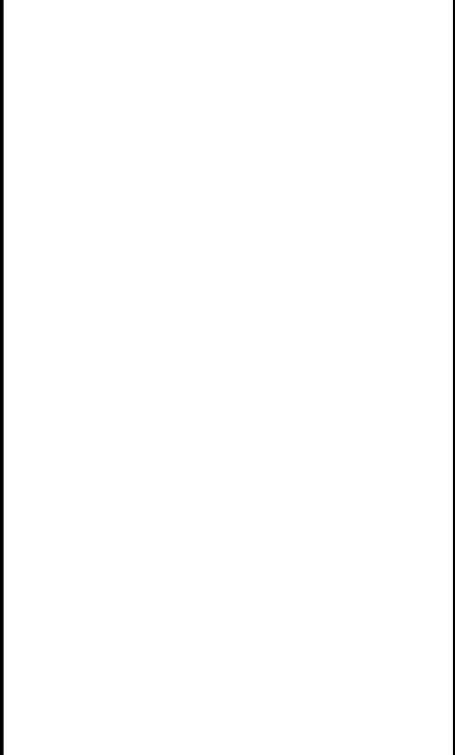
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1:20,000	30/08/2023	E

**DRAWING NUMBER**  
EN070007-APP-ES-9.3.3-Sheet 4





- Key:**
- Potential day roost (Tree)
  - ▲ Precautionary Confirmed Roost



**HyNet North West**

**PROJECT TITLE**

HyNet North West Carbon Dioxide Pipeline DCO

**DRAWING TITLE**

Figure 9.3.3  
Confirmed Bat Roosts  
Sheet 5 of 6

**DRAWING STATUS** Final for DCO Submission - Submitted at Deadline 7

DRAWN	CHECKED	APPROVED	AUTHORISED
BP	JH	DC	EH
SCALE @ A3 SIZE 1:20,000		DATE 30/08/2023	REVISION E

**DRAWING NUMBER**

EN070007-APP-ES-9.3.3-Sheet 5





# Annex B

## **DESK STUDY RESULT**

**Table 4 – Desk Study Results – Records of Bats within 5 km of the Newbuild Infrastructure Boundary**

Latin Name	Common Name	Date	Distance from Site	Record Details
<b>Plecotus auritus</b>	Brown Long-eared Bat	22/08/2017	0.03km west	Aural Bat Detector - Pass
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	3 records, between 15/07/2012 and 17/07/2014	0.04km northeast	HT: Detector - heterodyne
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	3 records, between 15/07/2012 and 17/07/2014	0.06km northeast	HT: Detector - heterodyne
<b>Pipistrellus pipistrellus agg.</b>	Pipistrelle agg.	2 records, between 15/07/2012 and 29/07/2012	0.06km northeast	HT: Detector - heterodyne
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	2 records, between 15/07/2012 and 29/07/2012	0.06km northeast	HT: Detector - heterodyne
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	09/08/2017	0.06km south	Aural Bat Detector - Pass
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	05/07/2017	0.06km south	Aural Bat Detector - Pass
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	22/08/2017	0.06km south	Aural Bat Detector - Pass
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	22/08/2017	0.06km south	Aural Bat Detector - Pass
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	01/08/2019	0.08km east	Roosting in buildings
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	01/08/2019	0.08km east	Roosting in buildings
<b>Rhinolophus hipposideros</b>	Lesser Horseshoe Bat	01/08/2019	0.08km east	Roosting in buildings
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	19/10/2018	0.13km southeast	Flying round house at dusk
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	19/10/2018	0.13km southeast	Flying round house at dusk
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	09/08/2017	0.15km southeast	Pass (Bat)
<b>Myotis</b>	Unidentified Bat	22/08/2017	0.16km southeast	Aural Bat Detector - Pass
<b>Myotis</b>	Unidentified Bat	09/08/2017	0.16km southeast	Aural Bat Detector
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	05/07/2017	0.16km southeast	Aural Bat Detector - Pass
<b>Pipistrellus</b>	Pipistrellus Bat Species	18/06/2012	0.22km southwest	Small number of droppings
<b>Nyctalus noctula</b>	Noctule Bat	15/06/2013	0.23km south	Aural Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	15/06/2013	0.27km south	Aural Bat Detector
<b>Myotis</b>	Unidentified Bat	15/06/2013	0.27km south	Aural Bat Detector
<b>Rhinolophus hipposideros</b>	Lesser Horseshoe Bat	06/06/2016	0.29km south	None
<b>Nyctalus noctula</b>	Noctule Bat	06/06/2016	0.29km south	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	06/06/2016	0.29km south	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	30/08/2016	0.31km southeast	Field Record
<b>Nyctalus noctula</b>	Noctule Bat	30/08/2016	0.31km southeast	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	30/08/2016	0.31km southeast	Field Record
<b>Chiroptera</b>	Unknown Bat	13/08/2012	0.33km northwest	HT: Detector - heterodyne
<b>Myotis daubentonii</b>	Daubenton's Bat	13/08/2012	0.33km northwest	HT: Detector - heterodyne
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	01/05/2012	0.33km northwest	Emergence observation



Latin Name	Common Name	Date	Distance from Site	Record Details
<b>Plecotus auritus</b>	Brown Long-eared Bat	01/05/2012	0.33km northwest	Observed in roof
<b>Myotis</b>	Unidentified Bat	05/07/2017	0.34km east	Aural Bat Detector - Pass
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	24/04/2013	0.39km northwest	Foraging
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	24/04/2014	0.39km northwest	Foraging
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	04/07/2012	0.48km northeast	Bat Detector (Heterodyne)
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	30/07/2012	0.48km northeast	Bat Detector (Heterodyne)
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	20/08/2012	0.53km west	Field Record
<b>Plecotus auritus</b>	Brown Long-eared Bat	20/08/2012	0.53km west	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	20/08/2012	0.53km west	Field Record
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	16/08/2012	0.54km north	Field Record
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	13/08/2012	0.54km north	Field Record
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	06/08/2012	0.54km north	Field Record
<b>Myotis</b>	Unidentified Bat	06/08/2012	0.54km north	Field Record
<b>Myotis</b>	Unidentified Bat	13/08/2012	0.54km north	Field Record
<b>Myotis</b>	Unidentified Bat	16/08/2012	0.54km north	Field Record
<b>Plecotus auritus</b>	Brown Long-eared Bat	06/08/2012	0.54km north	Field Record
<b>Plecotus auritus</b>	Brown Long-eared Bat	13/08/2012	0.54km north	Field Record
<b>Plecotus auritus</b>	Brown Long-eared Bat	16/08/2012	0.54km north	Field Record
<b>Nyctalus noctula</b>	Noctule Bat	06/08/2012	0.54km north	Field Record
<b>Nyctalus noctula</b>	Noctule Bat	16/08/2012	0.54km north	Field Record
<b>Nyctalus noctula</b>	Noctule Bat	13/08/2012	0.54km north	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	13/08/2012	0.54km north	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	16/08/2012	0.54km north	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	06/08/2012	0.54km north	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	15/06/2013	0.54km south	Aural Bat Detector
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	13/08/2019	0.59km east	Roost
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	20/07/2014	0.59km north	Field Record
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	24/06/2014	0.59km north	Field Record
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	02/07/2014	0.59km north	Field Record
<b>Plecotus auritus</b>	Brown Long-eared Bat	24/06/2014	0.59km north	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	24/06/2014	0.59km north	Field Record
<b>Pipistrellus</b>	Pipistrelle Bat species	11/03/2020	0.69km south	Roost

Latin Name	Common Name	Date	Distance from Site	Record Details
<b>Pipistrellus</b>	Pipistrelle Bat species	12/03/2020	0.69km south	Roost
<b>Pipistrellus</b>	Pipistrelle Bat species	08/04/2019	0.69km south	Field Record
<b>Plecotus auritus</b>	Brown Long-eared Bat	01/12/2017	0.6km north	Field Record
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	28/08/2018	0.6km southeast	Aural Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	04/09/2018	0.6km southeast	Aural Bat Detector
<b>Myotis</b>	Unidentified Bat	04/09/2018	0.6km southeast	Aural Bat Detector
<b>Myotis</b>	Unidentified Bat	16/08/2018	0.6km southeast	Aural Bat Detector
<b>Plecotus auritus</b>	Brown Long-eared Bat	16/08/2018	0.6km southeast	Field Record
<b>Plecotus auritus</b>	Brown Long-eared Bat	28/08/2018	0.6km southeast	Aural Bat Detector
<b>Nyctalus noctula</b>	Noctule Bat	04/09/2018	0.6km southeast	Aural Bat Detector
<b>Nyctalus noctula</b>	Noctule Bat	28/08/2018	0.6km southeast	Aural Bat Detector
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	16/08/2018	0.6km southeast	Aural Bat Detector
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	04/09/2018	0.6km southeast	Aural Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	16/08/2018	0.6km southeast	Aural Bat Detector
<b>Nyctalus noctula</b>	Noctule Bat	16/08/2018	0.6km southeast	Aural Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	23/06/2017	0.71km southeast	Commuting
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	01/07/2017	0.71km southeast	Commuting
<b>Nyctalus noctula</b>	Noctule Bat	23/06/2017	0.71km southeast	Commuting
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	01/07/2017	0.71km southeast	Commuting
<b>Myotis</b>	Unidentified Bat	09/07/2019	0.74km south	Pass (Bat)
<b>Myotis</b>	Unidentified Bat	25/07/2019	0.74km south	Bat Detector (Heterodyne)
<b>Plecotus auritus</b>	Brown Long-eared Bat	25/07/2019	0.74km south	Bat Detector (Heterodyne)
<b>Plecotus auritus</b>	Brown Long-eared Bat	09/07/2019	0.74km south	Pass (Bat)
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	17/07/2019	0.74km south	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	19/06/2019	0.74km south	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	25/07/2019	0.74km south	Bat Detector (Heterodyne) - Emergence
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	09/07/2019	0.74km south	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	02/07/2019	0.74km south	Bat Detector (Heterodyne) - Emergence
<b>Pipistrellus pipistrellus</b>	Pipistrelle	25/07/2019	0.74km south	Pass (Bat)
<b>Pipistrellus pipistrellus</b>	Pipistrelle	09/07/2019	0.74km south	Bat Detector (Heterodyne)
<b>Pipistrellus pipistrellus</b>	Pipistrelle	19/06/2019	0.74km south	Field Record
<b>Nyctalus noctula</b>	Noctule Bat	12/09/2019	0.74km southeast	Survey - Post Dusk

Latin Name	Common Name	Date	Distance from Site	Record Details
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	12/09/2019	0.74km southeast	Survey - Post Dusk
<b>Plecotus auritus</b>	Brown Long-eared Bat	11/03/2020	0.79km south	Roost
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	06/09/2014	0.83km south	Field Record
<b>Plecotus auritus</b>	Brown Long-eared Bat	11/08/2016	0.83km south	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	24/05/2016	0.83km south	Field Record
<b>Plecotus auritus</b>	Brown Long-eared Bat	06/09/2014	0.83km south	Aural Bat Detector
<b>Nyctalus noctula</b>	Noctule Bat	06/09/2014	0.83km south	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	06/09/2014	0.83km south	Field Record
<b>Myotis daubentonii</b>	Daubenton's Bat	06/09/2014	0.83km south	Field Record
<b>Plecotus auritus</b>	Brown Long-eared Bat	01/05/2015	0.83km south	Pass (Bat)
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	01/05/2015	0.83km south	Pass (Bat)
<b>Myotis nattereri</b>	Natterer's Bat	01/05/2015	0.83km south	Pass (Bat)
<b>Myotis mystacinus/brandtii</b>	Whiskered/Brandt's Bat	01/05/2015	0.83km south	Pass (Bat)
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	01/05/2015	0.84km south	Pass (Bat)
<b>Eptesicus serotinus</b>	Serotine	01/05/2015	0.84km south	Pass (Bat)
<b>Plecotus auritus</b>	Brown Long-eared Bat	04/07/2012	0.86km northwest	Bat Roost
<b>Myotis</b>	Unidentified Bat	29/05/2019	0.8km south	Pass (Bat)
<b>Plecotus auritus</b>	Brown Long-eared Bat	18/06/2019	0.8km south	Field Record
<b>Plecotus auritus</b>	Brown Long-eared Bat	29/05/2019	0.8km south	Bat Detector (Heterodyne) - Emergence
<b>Plecotus auritus</b>	Brown Long-eared Bat	02/07/2019	0.8km south	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	29/05/2019	0.8km south	Pass (Bat)
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	02/07/2019	0.8km south	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	18/06/2019	0.8km south	Field Record
<b>Pipistrellus pipistrellus</b>	Pipistrelle	18/06/2019	0.8km south	Bat Detector (Heterodyne)
<b>Pipistrellus pipistrellus</b>	Pipistrelle	29/05/2019	0.8km south	Pass (Bat)
<b>Pipistrellus pipistrellus</b>	Pipistrelle	02/07/2019	0.8km south	Field Record
<b>Plecotus auritus</b>	Brown Long-eared Bat	03/04/2019	0.8km south	Field Record
<b>Nyctalus noctula</b>	Noctule Bat	01/05/2015	0.91km southeast	Pass (Bat)
<b>Myotis daubentonii</b>	Daubenton's Bat	01/05/2015	0.91km southeast	Pass (Bat)
<b>Pipistrellus nathusii</b>	Nathusius's Pipistrelle	01/05/2015	0.91km southeast	Pass (Bat)
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	18/04/2017	1.03km northwest	Commuting
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	04/05/2017	1.03km northwest	Foraging

Latin Name	Common Name	Date	Distance from Site	Record Details
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	18/04/2017	1.03km northwest	Commuting
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	04/05/2017	1.03km northwest	Foraging
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	12/07/2013	1.07km east	Field Record
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	15/08/2013	1.07km east	Field Record
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	23/08/2013	1.07km east	Field Record
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	11/07/2013	1.07km east	Field Record
<b>Nyctalus noctula</b>	Noctule Bat	11/07/2013	1.07km east	Field Record
<b>Chiroptera</b>	Unknown Bat	18/05/2017	1.10km south	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	04/07/2013	1.1km east	Field Record
<b>Nyctalus noctula</b>	Noctule Bat	04/07/2013	1.1km east	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	04/07/2013	1.1km east	Field Record
<b>Myotis daubentonii</b>	Daubenton's Bat	07/05/2019	1.22km southwest	Not Applicable
<b>Pipistrellus</b>	Pipistrellus Bat Species	22/04/2014	1.49km northwest	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	07/07/2013	1.59km southeast	Aural Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	08/07/2013	1.59km southeast	Aural Bat Detector
<b>Chiroptera</b>	Bats	08/07/2013	1.59km southeast	Aural Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	23/07/2013	1.61km southeast	Aural Bat Detector
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	23/07/2013	1.61km southeast	Aural Bat Detector
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	07/07/2013	1.61km southeast	Aural Bat Detector
<b>Nyctalus noctula</b>	Noctule Bat	08/10/2019	1.69km west	Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	02/05/2016	1.72km northwest	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	15/07/2012	1.75km northeast	Bat Detector (Heterodyne)
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	15/07/2012	1.75km northeast	Bat Detector (Heterodyne)
<b>Pipistrellus pipistrellus agg.</b>	Pipistrelle agg.	15/07/2012	1.75km northeast	Bat Detector (Heterodyne)
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	29/07/2012	1.75km northeast	Bat Detector (Heterodyne)
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	29/07/2012	1.75km northeast	Bat Detector (Heterodyne)
<b>Pipistrellus pipistrellus agg.</b>	Pipistrelle agg.	29/07/2012	1.75km northeast	Bat Detector (Heterodyne)
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	17/07/2014	1.75km northeast	Bat Detector (Heterodyne)
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	08/10/2019	1.79km west	Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	05/05/2014	1.82km northwest	None
<b>Myotis daubentonii</b>	Daubenton's Bat	02/05/2016	1.83km northwest	Field Record
<b>Plecotus auritus</b>	Brown Long-eared Bat	03/07/2014	1.98km south	Field Record



Latin Name	Common Name	Date	Distance from Site	Record Details
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	17/07/2014	1.98km south	Field Record
<b>Nyctalus noctula</b>	Noctule Bat	03/07/2014	1.98km south	Field Record
<b>Nyctalus noctula</b>	Noctule Bat	17/07/2014	1.98km south	Field Record
<b>Pipistrellus pipistrellus</b>	Pipistrelle	03/07/2014	1.98km south	Field Record
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	03/07/2014	1.98km south	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	17/07/2014	1.98km south	Field Record
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	16/07/2013	1.99km east	None
<b>Plecotus auritus</b>	Brown Long-eared Bat	02/06/2016	1.99km northwest	Field Record
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	16/07/2013	2.04km east	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	26/06/2014	2.06km south	Field Record
<b>Plecotus auritus</b>	Brown Long-eared Bat	26/06/2014	2.06km south	Field Record
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	21/08/2017	2.07km south	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	30/07/2014	2.08km north	Aural Bat Detector
<b>Myotis</b>	Unidentified Bat	30/07/2014	2.08km north	Aural Bat Detector
<b>Plecotus auritus</b>	Brown Long-eared Bat	30/07/2014	2.08km north	Aural Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	14/08/2014	2.09km north	Aural Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	29/08/2014	2.09km north	Aural Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	08/07/2014	2.09km north	Aural Bat Detector
<b>Myotis</b>	Unidentified Bat	08/07/2014	2.09km north	Aural Bat Detector
<b>Nyctalus noctula</b>	Noctule Bat	08/07/2014	2.09km north	Aural Bat Detector
<b>Pipistrellus nathusii</b>	Nathusius's Pipistrelle	08/07/2014	2.09km north	Aural Bat Detector
<b>Nyctalus noctula</b>	Noctule Bat	01/09/2017	2.12km south	None
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	01/09/2017	2.12km south	None
<b>Myotis mystacinus/brandtii agg.</b>	Whiskered/Brandt's Bat agg.	01/09/2017	2.12km south	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	01/09/2017	2.12km south	None
<b>Myotis daubentonii</b>	Daubenton's Bat	01/09/2017	2.12km south	None
<b>Nyctalus noctula</b>	Noctule Bat	01/08/2017	2.12km south	None
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	01/08/2017	2.12km south	None
<b>Myotis mystacinus/brandtii agg.</b>	Whiskered/Brandt's Bat agg.	01/08/2017	2.12km south	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	01/08/2017	2.12km south	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	16/07/2013	2.16km northeast	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	04/08/2017	2.17km southeast	Aural Bat Detector

Latin Name	Common Name	Date	Distance from Site	Record Details
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	04/08/2017	2.17km southeast	Aural Bat Detector
<b>Plecotus auritus</b>	Brown Long-eared Bat	29/06/2013	2.17km west	Bat Roost
<b>Nyctalus noctula</b>	Noctule Bat	01/07/2017	2.1km south	None
<b>Nyctalus noctula</b>	Noctule Bat	01/08/2017	2.1km south	None
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	01/08/2017	2.1km south	None
<b>Myotis mystacinus/brandtii agg.</b>	Whiskered/Brandt's Bat agg.	01/07/2017	2.1km south	None
<b>Myotis mystacinus/brandtii agg.</b>	Whiskered/Brandt's Bat agg.	01/08/2017	2.1km south	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	01/07/2017	2.1km south	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	01/08/2017	2.1km south	None
<b>Myotis daubentonii</b>	Daubenton's Bat	01/07/2017	2.1km south	None
<b>Myotis nattereri</b>	Natterer's Bat	01/07/2017	2.1km south	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	11/07/2018	2.25km southwest	Live Sighting
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	12/09/2016	2.27km south	None
<b>Myotis daubentonii</b>	Daubenton's Bat	21/03/2019	2.2km east	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	29/08/2013	2.32km north	Aural Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	30/07/2013	2.32km north	Aural Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	22/09/2013	2.32km north	Aural Bat Detector
<b>Nyctalus noctula</b>	Noctule Bat	29/08/2013	2.32km north	Aural Bat Detector
<b>Nyctalus noctula</b>	Noctule Bat	22/09/2013	2.32km north	Aural Bat Detector
<b>Nyctalus noctula</b>	Noctule Bat	30/07/2013	2.32km north	Aural Bat Detector
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	29/08/2013	2.32km north	Aural Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	04/09/2017	2.32km south	None
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	04/09/2017	2.32km south	None
<b>Nyctalus noctula</b>	Noctule Bat	04/09/2017	2.32km south	None
<b>Myotis daubentonii</b>	Daubenton's Bat	04/09/2017	2.32km south	None
<b>Myotis nattereri</b>	Natterer's Bat	04/09/2017	2.32km south	None
<b>Plecotus auritus</b>	Brown Long-eared Bat	01/08/2017	2.46km south	Bat Roost
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	05/07/2013	2.47km north	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	29/05/2020	2.48km southwest	None
<b>Nyctalus noctula</b>	Noctule Bat	04/09/2017	2.5km south	None
<b>Pipistrellus</b>	Pipistrellus Bat Species	09/08/2017	2.5km south	None
<b>Chiroptera</b>	Bats	14/05/2014	2.65km south	Field Record

Latin Name	Common Name	Date	Distance from Site	Record Details
Pipistrellus pygmaeus	Soprano Pipistrelle	30/08/2018	2.65km southwest	Bat Detector
Plecotus auritus	Brown Long-eared Bat	30/08/2018	2.65km southwest	Bat Detector
Nyctalus noctula	Noctule Bat	30/08/2018	2.65km southwest	Bat Detector
Plecotus auritus	Brown Long-eared Bat	01/09/2018	2.65km southwest	Bat Detector
Nyctalus noctula	Noctule Bat	01/09/2018	2.65km southwest	Bat Detector
Myotis nattereri	Natterer's Bat	01/09/2018	2.65km southwest	Bat Detector
Myotis	Myotis Bat Species	30/08/2018	2.65km southwest	Bat Detector
Myotis	Myotis Bat Species	01/09/2018	2.65km southwest	Bat Detector
Pipistrellus pipistrellus	Common Pipistrelle	01/09/2018	2.65km southwest	Bat Detector
Rhinolophus hipposideros	Lesser Horseshoe Bat	30/08/2018	2.65km southwest	Bat Detector
Rhinolophus hipposideros	Lesser Horseshoe Bat	30/08/2018	2.65km southwest	Bat Detector
Rhinolophus hipposideros	Lesser Horseshoe Bat	30/08/2018	2.65km southwest	Bat Detector
Pipistrellus pygmaeus	Soprano Pipistrelle	13/09/2018	2.65km southwest	Bat Detector
Pipistrellus pygmaeus	Soprano Pipistrelle	13/09/2018	2.65km southwest	Bat Detector
Pipistrellus pygmaeus	Soprano Pipistrelle	13/09/2018	2.65km southwest	Bat Detector
Myotis	Myotis Bat Species	13/09/2018	2.65km southwest	Bat Detector
Myotis	Myotis Bat Species	13/09/2018	2.65km southwest	Bat Detector
Myotis	Myotis Bat Species	13/09/2018	2.65km southwest	Bat Detector
Pipistrellus pipistrellus	Common Pipistrelle	30/08/2018	2.65km southwest	Bat Detector
Pipistrellus pipistrellus	Common Pipistrelle	30/08/2018	2.65km southwest	Bat Detector
Pipistrellus pipistrellus	Common Pipistrelle	30/08/2018	2.65km southwest	Bat Detector
Pipistrellus pipistrellus	Common Pipistrelle	30/08/2018	2.65km southwest	Bat Detector
Pipistrellus pipistrellus	Common Pipistrelle	30/08/2018	2.65km southwest	Bat Detector
Pipistrellus pipistrellus	Common Pipistrelle	30/08/2018	2.65km southwest	Bat Detector
Pipistrellus pipistrellus	Common Pipistrelle	30/08/2018	2.65km southwest	Bat Detector
Pipistrellus pipistrellus	Common Pipistrelle	30/08/2018	2.65km southwest	Bat Detector
Pipistrellus pipistrellus	Common Pipistrelle	30/08/2018	2.65km southwest	Bat Detector
Pipistrellus pipistrellus	Common Pipistrelle	30/08/2018	2.65km southwest	Bat Detector
Pipistrellus pipistrellus	Common Pipistrelle	30/08/2018	2.65km southwest	Bat Detector
Pipistrellus pipistrellus	Common Pipistrelle	30/08/2018	2.65km southwest	Bat Detector
Pipistrellus pipistrellus	Common Pipistrelle	30/08/2018	2.65km southwest	Bat Detector

Latin Name	Common Name	Date	Distance from Site	Record Details
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	30/08/2018	2.65km southwest	Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	13/09/2018	2.65km southwest	Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	13/09/2018	2.65km southwest	Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	13/09/2018	2.65km southwest	Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	13/09/2018	2.65km southwest	Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	13/09/2018	2.65km southwest	Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	13/09/2018	2.65km southwest	Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	13/09/2018	2.65km southwest	Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	13/09/2018	2.65km southwest	Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	13/09/2018	2.65km southwest	Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	13/09/2018	2.65km southwest	Bat Detector
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	01/09/2018	2.65km southwest	Bat Detector
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	13/09/2018	2.65km southwest	Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	13/09/2018	2.65km southwest	Bat Detector
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	15/04/2014	2.82km northwest	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	17/07/2017	2km south	None
<b>Pipistrellus</b>	Pipistrellus Bat Species	04/09/2017	2km south	None
<b>Nyctalus noctula</b>	Noctule Bat	01/07/2017	2km south	None
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	01/07/2017	2km south	None
<b>Myotis mystacinus/brandtii agg.</b>	Whiskered/Brandt's Bat agg.	01/07/2017	2km south	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	17/07/2017	2km south	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	01/07/2017	2km south	None
<b>Myotis daubentonii</b>	Daubenton's Bat	01/07/2017	2km south	None
<b>Myotis mystacinus/brandtii agg.</b>	Whiskered/Brandt's Bat agg.	01/08/2014	3.05km north	None
<b>Rhinolophus hipposideros</b>	Lesser Horseshoe Bat	14/07/2016	3.25km southwest	None
<b>Nyctalus noctula</b>	Noctule Bat	14/07/2016	3.25km southwest	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	14/07/2016	3.25km southwest	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	30/07/2014	3.26km south	Live Sighting
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	30/07/2014	3.26km south	Live Sighting
<b>Myotis</b>	Myotis Bat Species	30/07/2014	3.26km south	Live Sighting
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	01/09/2014	3.26km south	Bat Detector
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	01/09/2014	3.26km south	Bat Detector

Latin Name	Common Name	Date	Distance from Site	Record Details
<b>Nyctalus noctula</b>	Noctule Bat	01/09/2014	3.26km south	Bat Detector
<b>Rhinolophus hipposideros</b>	Lesser Horseshoe Bat	06/07/2014	3.26km south	Dung/Droppings/Frass/Pellet, etc.
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	11/06/2014	3.26km south	Live Sighting
<b>Vespertilionidae</b>	Bats	14/07/2018	3.28km northeast	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	16/08/2019	3.3km south	None
<b>Myotis mystacinus</b>	Whiskered Bat	13/05/2019	3.3km south	None
<b>Vespertilionidae</b>	Bats	11/07/2018	3.45km southwest	Live Sighting
<b>Myotis</b>	Unidentified Bat	25/04/2020	3.48km southeast	Field Record
<b>Nyctalus noctula</b>	Noctule Bat	22/06/2015	3.65km southwest	None
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	01/05/2015	3.65km southwest	None
<b>Nyctalus noctula</b>	Noctule Bat	01/05/2015	3.65km southwest	None
<b>Rhinolophus hipposideros</b>	Lesser Horseshoe Bat	01/05/2015	3.65km southwest	None
<b>Myotis</b>	Myotis Bat Species	22/06/2015	3.65km southwest	None
<b>Myotis</b>	Myotis Bat Species	01/05/2015	3.65km southwest	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	26/05/2015	3.65km southwest	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	22/06/2015	3.65km southwest	None
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	01/05/2015	3.65km southwest	None
<b>Plecotus auritus</b>	Brown Long-eared Bat	01/05/2015	3.65km southwest	None
<b>Myotis</b>	Myotis Bat Species	12/05/2016	3.85km south	Not Applicable
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	31/08/2018	4.01km south	Field Record
<b>Pipistrellus pipistrellus</b>	Pipistrelle	01/05/2015	4.01km southeast	Roost
<b>Pipistrellus pipistrellus</b>	Pipistrelle	21/05/2012	4.05km south	Field Record
<b>Pipistrellus pipistrellus</b>	Pipistrelle	03/06/2016	4.05km south	Field Record
<b>Pipistrellus pipistrellus</b>	Pipistrelle	02/09/2017	4.05km south	Field Record
<b>Pipistrellus pipistrellus</b>	Pipistrelle	01/09/2017	4.05km south	Field Record
<b>Pipistrellus pipistrellus</b>	Pipistrelle	24/09/2017	4.05km south	Field Record
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	15/05/2018	4.05km south	Field Record
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	14/05/2018	4.05km south	Field Record
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	01/08/2013	4.07km southeast	Aural Bat Detector
<b>Plecotus auritus</b>	Brown Long-eared Bat	01/08/2013	4.07km southeast	Aural Bat Detector
<b>Nyctalus noctula</b>	Noctule Bat	01/08/2013	4.07km southeast	Aural Bat Detector
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	01/08/2013	4.07km southeast	Aural Bat Detector

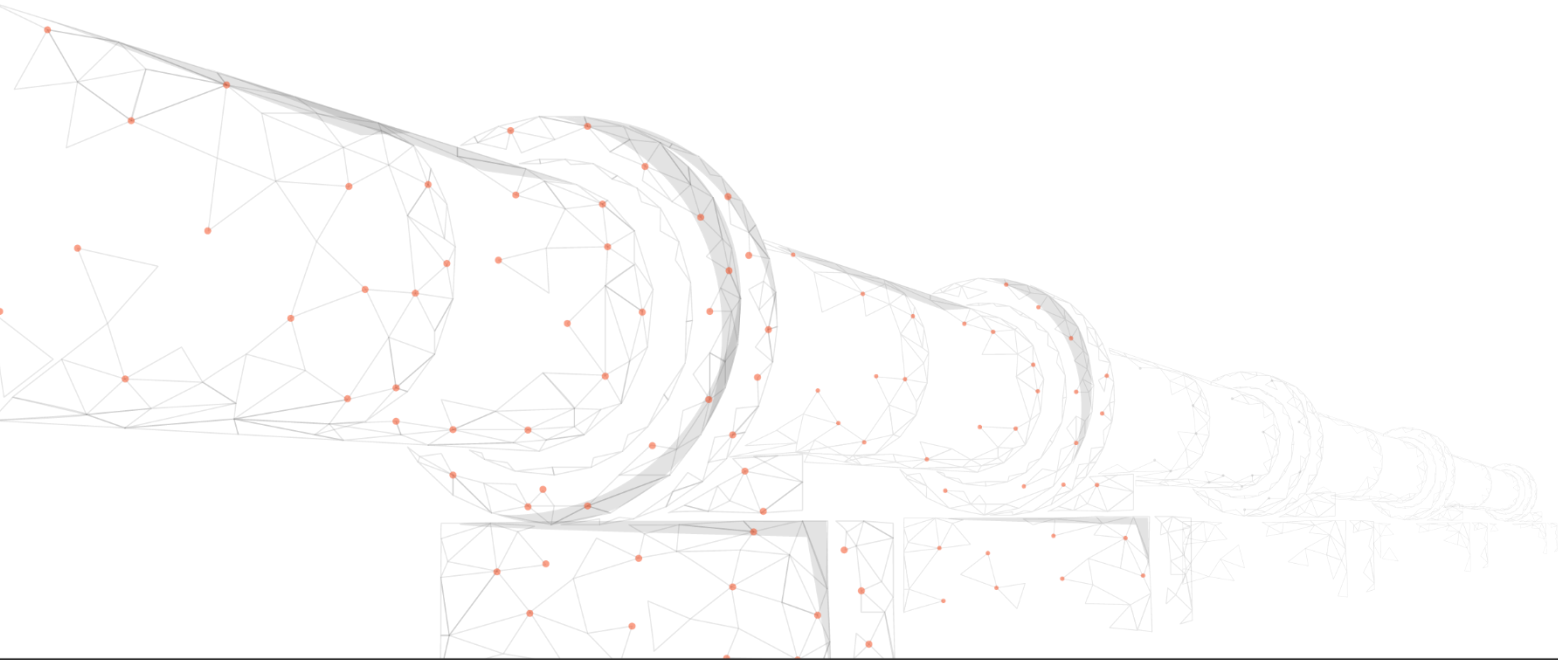


Latin Name	Common Name	Date	Distance from Site	Record Details
<b>Myotis daubentonii</b>	Daubenton's Bat	01/08/2013	4.07km southeast	Aural Bat Detector
<b>Pipistrellus pipistrellus</b>	Pipistrelle	15/05/2019	4.09km southeast	Bat Detector (Heterodyne)
<b>Pipistrellus pipistrellus</b>	Pipistrelle	25/04/2019	4.09km southeast	Bat Detector (Heterodyne) - Emergence
<b>Pipistrellus pipistrellus</b>	Pipistrelle	20/05/2019	4.09km southeast	Bat Detector (Heterodyne) - Emergence
<b>Chiroptera</b>	Bats	07/08/2015	4.23km northwest	Field Record
<b>Pipistrellus pipistrellus</b>	Pipistrelle	27/10/2014	4.32km southeast	Field Record
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	13/08/2018	4.36km northwest	Aural Bat Detector
<b>Pipistrellus</b>	Pipistrellus Bat Species	20/08/2018	4.3km south	Live Sighting
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	20/08/2018	4.3km south	Live Sighting
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	20/08/2018	4.3km south	Live Sighting
<b>Rhinolophus hipposideros</b>	Lesser Horseshoe Bat	24/06/2015	4.3km west	None
<b>Pipistrellus pipistrellus agg.</b>	Pipistrelle agg.	30/07/2012	4.46km southwest	Bat Detector (Heterodyne)
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	15/07/2012	4.46km southwest	Bat Detector (Heterodyne)
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	15/07/2012	4.46km southwest	Bat Detector (Heterodyne)
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	30/07/2012	4.46km southwest	Bat Detector (Heterodyne)
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	30/07/2012	4.46km southwest	Bat Detector (Heterodyne)
<b>Pipistrellus pipistrellus</b>	Common Pipistrelle	19/09/2012	4.47km southeast	Field Record
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	19/09/2012	4.47km southeast	Field Record
<b>Pipistrellus pipistrellus</b>	Pipistrelle	01/07/2018	4.4km south	Field Record
<b>Pipistrellus pipistrellus</b>	Pipistrelle	01/08/2017	4.4km south	Field Record
<b>Pipistrellus</b>	Pipistrelle Bat species	01/09/2015	4.4km south	Field Record
<b>Pipistrellus pipistrellus</b>	Pipistrelle	02/05/2018	4.4km south	Field Record - Seen At Dusk
<b>Pipistrellus pipistrellus</b>	Pipistrelle	03/05/2018	4.4km south	Field Record - Seen At Dusk
<b>Rhinolophus hipposideros</b>	Lesser Horseshoe Bat	27/06/2012	4.56km west	Bat Roost
<b>Chiroptera</b>	Unknown Bat	11/07/2019	4.62km south	None
<b>Rhinolophus hipposideros</b>	Lesser Horseshoe Bat	24/06/2015	4.65km west	Bat Roost
<b>Chiroptera</b>	Unknown Bat	04/07/2012	4.83km southwest	None
<b>Plecotus auritus</b>	Brown Long-eared Bat	21/09/2012	4.84km northwest	Field Record
<b>Plecotus auritus</b>	Brown Long-eared Bat	19/09/2012	4.84km northwest	Pass (Bat)
<b>Pipistrellus pygmaeus</b>	Soprano Pipistrelle	21/09/2012	4.84km northwest	Pass (Bat)
<b>Pipistrellus pipistrellus</b>	Pipistrelle	20/09/2012	4.84km northwest	Field Record
<b>Pipistrellus pipistrellus</b>	Pipistrelle	19/09/2012	4.84km northwest	Pass (Bat)

Latin Name	Common Name	Date	Distance from Site	Record Details
Pipistrellus pipistrellus	Pipistrelle	22/09/2012	4.84km northwest	Field Record
Pipistrellus pipistrellus	Pipistrelle	21/09/2012	4.84km northwest	Pass (Bat)
Pipistrellus pygmaeus	Soprano Pipistrelle	10/09/2013	4.96km southeast	Field Record

# Annex C

## **STRUCTURES SURVEY RESULTS**





**Table 5 – Structures Survey Results**

<b>Structure Reference</b>	<b>Grid Reference</b>	<b>Structure Type</b>	<b>Suitability Following PRA</b>	<b>Emergence -Survey 1</b>	<b>Emergence/ Re-entry - Survey 2</b>	<b>Emergence/ Re-entry - Survey 3</b>	<b>Final Suitability</b>
<b>B1</b>	SJ4451475002	Outbuilding	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B2</b>	SJ4452274979	Brick utility building	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B3</b>	SJ4482874979	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B4</b>	SJ4451374906	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B6</b>	SJ4456474875	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B8</b>	SJ4456974875	Portacabin	Low	24/05/2022	Not Required	Not Required	Low
<b>B9</b>	SJ4456474883	Site cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B10</b>	SJ4459974885	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B11</b>	SJ4457774895	Site cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B12</b>	SJ4468974871	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B13</b>	SJ4460874885	Functioning storage outbuilding	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B14</b>	SJ4463374979	Industrial shed	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B15</b>	SJ4466374865	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B16</b>	SJ4471074938	Utilities cupboard	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B17</b>	SJ4467674868	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B18</b>	SJ4472874910	Industrial shed	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B19</b>	SJ4465374988	Toilets	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B20</b>	SJ4473674929	Industrial shed	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B21</b>	SJ4468775022	Outbuilding	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B22</b>	SJ4477974927	Industrial shed	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B23</b>	SJ4472075005	Active workshop	Negligible	Not Required	Not Required	Not Required	Negligible

<b>Structure Reference</b>	<b>Grid Reference</b>	<b>Structure Type</b>	<b>Suitability Following PRA</b>	<b>Emergence -Survey 1</b>	<b>Emergence/ Re-entry - Survey 2</b>	<b>Emergence/ Re-entry - Survey 3</b>	<b>Final Suitability</b>
<b>B24</b>	SJ4479074909	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B25</b>	SJ4470774893	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B26</b>	SJ4484474920	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B27</b>	SJ4471374882	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B28</b>	SJ4487174949	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B29</b>	SJ4471874873	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B30</b>	SJ4488274936	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B31</b>	SJ4471274919	Plastic utilities building	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B32</b>	SJ4487874933	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B33</b>	SJ4471774921	Plastic utilities building	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B34</b>	SJ4489074943	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B35</b>	SJ4474374933	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B36</b>	SJ4479474961	Industrial shed	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B37</b>	SJ4475374953	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B38</b>	SJ4478174956	Industrial shed	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B39</b>	SJ4475774945	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B40</b>	SJ4476374961	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B41</b>	SJ4476474899	Functioning storage outbuilding	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B42</b>	SJ4477174992	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B43</b>	SJ4478374905	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B44</b>	SJ4476874990	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B45</b>	SJ4478474916	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible

<b>Structure Reference</b>	<b>Grid Reference</b>	<b>Structure Type</b>	<b>Suitability Following PRA</b>	<b>Emergence -Survey 1</b>	<b>Emergence/ Re-entry - Survey 2</b>	<b>Emergence/ Re-entry - Survey 3</b>	<b>Final Suitability</b>
<b>B46</b>	SJ4476474988	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B47</b>	SJ4479574934	Active storage building	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B48</b>	SJ4476274986	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B49</b>	SJ4481274959	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B50</b>	SJ4475974982	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B51</b>	SJ4481974950	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B52</b>	SJ4475674980	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B53</b>	SJ4482674940	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B54</b>	SJ4475374977	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B55</b>	SJ4482474956	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B56</b>	SJ4474974975	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B57</b>	SJ4483474943	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B58</b>	SJ4474674973	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B59</b>	SJ4482174960	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B60</b>	SJ4474374980	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B61</b>	SJ4481974963	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B62</b>	SJ4474274984	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B63</b>	SJ4481674967	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B64</b>	SJ4487374987	Industrial shed	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B65</b>	SJ4484174988	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B66</b>	SJ4491274976	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B67</b>	SJ4483874980	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible

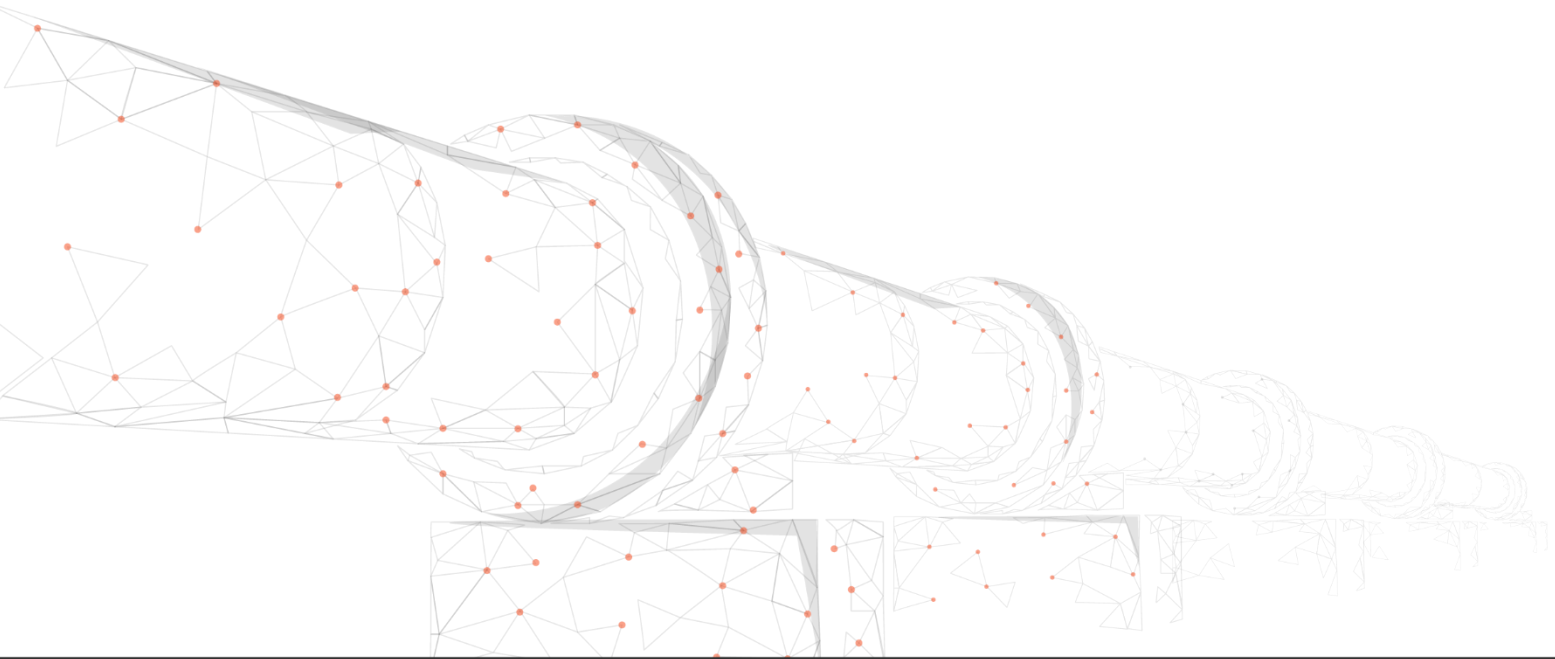


<b>Structure Reference</b>	<b>Grid Reference</b>	<b>Structure Type</b>	<b>Suitability Following PRA</b>	<b>Emergence -Survey 1</b>	<b>Emergence/ Re-entry - Survey 2</b>	<b>Emergence/ Re-entry - Survey 3</b>	<b>Final Suitability</b>
<b>B68</b>	SJ4491874966	Industrial shed	Low	24/05/2022	Not Required	Not Required	Low
<b>B69</b>	SJ4486075004	Site cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B70</b>	SJ4484974994	Site cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B71</b>	SJ4476075019	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B72</b>	SJ4481775062	Industrial shed	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B73</b>	SJ4477975034	Industrial shed	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B74</b>	SJ4481575015	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B75</b>	SJ4489474955	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B78</b>	SJ3169467327	One storey lean-to	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B79</b>	SJ3011366927	Shed	Moderate	18/08/2022	No access	Not Required	Precautionarily assessed as a Potential Roost
<b>B80</b>	SJ4449373279	Brick and concrete construction	Low	No access	Not Required	Not Required	Precautionarily assessed as a Potential Roost
<b>B81</b>	SJ4446173257	Barn	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B82</b>	SJ4441173286	Field shelter	Low	26/05/2022	Not Required	Not Required	Low
<b>B83</b>	SJ4443773242	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B97</b>	SJ3571567238	Outhouse	High	26/05/2022	09/06/2022	23/06/2022	Potential roost - Confirmed
<b>B98</b>	SJ3584867240	Storage Unit	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B99</b>	SJ3588667185	Storage Unit	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B113</b>	SJ4570474535	Barn	Low	18/08/2021	25/05/2022	08/07/2022	Confirmed Roost
<b>B122</b>	SJ3854171078	Open Barn	Negligible	Not Required	Not Required	Not Required	Negligible

Structure Reference	Grid Reference	Structure Type	Suitability Following PRA	Emergence -Survey 1	Emergence/ Re-entry - Survey 2	Emergence/ Re-entry - Survey 3	Final Suitability
<b>B123</b>	SJ3856171094	Shed/Stables	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B124</b>	SJ3860371123	Residential	Negligible	Not Required	Not Required	Not Required	Negligible
<b>B125</b>	SJ2635167716	Mineshaft brick cover	Moderate	No access		Not Required	Precautionarily assessed as a Potential Roost
<b>B126</b>	SJ2635167716	Outhouse	Moderate	No access		Not Required	Precautionarily assessed as a Potential Roost
<b>B127</b>	SJ2782766921	Chimney/Stack	Low	No access	Not Required	Not Required	Precautionarily assessed as a Potential Roost
<b>B133</b>	SJ3078466827	Barn	Moderate	25/05/2022	09/06/2022	To be completed as part of the pre-commencement surveys prior to construction, where required	Confirmed Roost

# Annex D

## TREE SURVEY RESULTS





**Table 6 – Tree Survey Results**

<b>Tree ID or Tag No.</b>	<b>Grid Reference</b>	<b>Tree Species</b>	<b>Suitability Following PRA</b>	<b>Tree Climb Survey Undertaken (Date)</b>	<b>Suitability Following Tree Climb</b>	<b>Emergence/Re-entry Survey 1/ Tree Climb 1</b>	<b>Emergence/ Re-entry - Survey 2/ Tree Climb 2</b>	<b>Emergence/ Re-entry - Survey 3</b>	<b>Final Suitability</b>
<b>BB_T875</b>	SJ1483474 569	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	04/05/2022	17/05/2022	Not Required	Likely absent - Moderate
<b>BB_T876</b>	SJ1478974 544	Ash Fraxinus excelsior	High	Unable to be climbed	N/A	19/05/2022	07/06/2022	05/07/2022	Likely absent - High
<b>BB_T874</b>	SJ1483674 562	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>PH_T1</b>	SJ1751373 246	Sycamore Acer pseudoplatanus	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>PH_T2</b>	SJ1751973 258	Sycamore Acer pseudoplatanus	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>PH_T5</b>	SJ1750973 272	Sycamore Acer pseudoplatanus	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>PH_T7</b>	SJ1750873 286	Sycamore Acer pseudoplatanus	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T1</b>	SJ2505570 594	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	30/06/2022	29/07/2022	To be completed as part of the pre-commencement surveys prior to construction	Potential Roost - Confirmed
<b>T2</b>	SJ2499570 674	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	30/06/2022	19/07/2022	Not Required	Likely absent - Moderate

Tree ID or Tag No.	Grid Reference	Tree Species	Suitability Following PRA	Tree Climb Survey Undertaken (Date)	Suitability Following Tree Climb	Emergence/Re-entry Survey 1/ Tree Climb 1	Emergence/ Re-entry - Survey 2/ Tree Climb 2	Emergence/ Re-entry - Survey 3	Final Suitability
<b>T3</b>	SJ2502270 612	Pedunculate oak Quercus robur	Moderate	24/05/2022	Negligible	Not Required	Not Required	Not Required	Negligible
<b>T4</b>	SJ2503370 743	Pedunculate oak Quercus robur	High	Unable to be climbed	N/A	30/06/2022	19/07/2022	To be completed as part of the pre-commencement surveys prior to construction, where required	Precautionarily assessed as a Potential Roost
<b>T5</b>	SJ2493870 578	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T6</b>	SJ2527571 181	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	02/09/2021	28/06/2022	Not Required	Likely absent - Moderate
<b>T7</b>	SJ2533071 132	Oak sp. Quercus sp.	Moderate	21/07/2021	Low	Not Required	Not Required	Not Required	Low
<b>T8</b>	SJ2534771 113	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	02/09/2021	28/06/2022	Not Required	Likely absent - Moderate
<b>T9</b>	SJ2535371 105	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	03/09/2021	29/06/2022	Not Required	Likely absent - Moderate
<b>T11</b>	SJ2754467 274	Sycamore Acer pseudoplatanus	Moderate	Unable to be climbed	N/A	No access		Not Required	Precautionarily assessed as a Potential Roost
<b>T12</b>	SJ2757067 228	Sycamore Acer pseudoplatanus	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T13</b>	SJ2759167 158	Sycamore Acer pseudoplatanus	Moderate	Unable to be climbed	N/A	No access		Not Required	Precautionarily assessed as a Potential Roost

Tree ID or Tag No.	Grid Reference	Tree Species	Suitability Following PRA	Tree Climb Survey Undertaken (Date)	Suitability Following Tree Climb	Emergence/Re-entry Survey 1/ Tree Climb 1	Emergence/ Re-entry - Survey 2/ Tree Climb 2	Emergence/ Re-entry - Survey 3	Final Suitability
T14	SJ2760667 172	Poplar Populus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T15	SJ2763767 134	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T16	SJ2768067 213	Beech Fagus sylvatica	Moderate	Unable to be climbed	N/A	No access		Not Required	Precautionarily assessed as a Potential Roost
T17	SJ2768067 207	Beech Fagus sylvatica	Moderate	Unable to be climbed	N/A	No access		Not Required	Precautionarily assessed as a Potential Roost
T18	SJ2769867 190	Sycamore Acer pseudoplatanus	Moderate	Unable to be climbed	N/A	No access		Not Required	Precautionarily assessed as a Potential Roost
T19	SJ2765467 217	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T20	SJ2777867 097	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T21	SJ2777367 094	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T22	SJ2774567 069	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T23	SJ2779267 112	Sycamore Acer pseudoplatanus	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T24	SJ2757167 101	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low



Tree ID or Tag No.	Grid Reference	Tree Species	Suitability Following PRA	Tree Climb Survey Undertaken (Date)	Suitability Following Tree Climb	Emergence/Re-entry Survey 1/ Tree Climb 1	Emergence/ Re-entry - Survey 2/ Tree Climb 2	Emergence/ Re-entry - Survey 3	Final Suitability
<b>T25</b>	SJ2758067 105	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	No access		Not Required	Precautionarily assessed as a Potential Roost
<b>T26</b>	SJ2757667 155	Sycamore Acer pseudoplatanus	Moderate	Unable to be climbed	N/A	No access		Not Required	Precautionarily assessed as a Potential Roost
<b>T27</b>	SJ2773767 188	Horse Chestnut Aesculus hippocastanum	Moderate	Unable to be climbed	N/A	No access		Not Required	Precautionarily assessed as a Potential Roost
<b>T28</b>	SJ2756767 149	Sycamore Acer pseudoplatanus	High	Unable to be climbed	N/A	No access			Precautionarily assessed as a Potential Roost
<b>T29</b>	SJ2542868 867	Oak sp. Quercus sp.	Moderate	20/09/2021	Moderate	28/06/2022	Not Required - fully searched during tree climb survey	Not Required	Likely absent - Moderate
<b>T30</b>	SJ2544868 895	Dead tree	Moderate	20/09/2021	Moderate	28/06/2022	Not Required – fully searched during tree climb survey	Not Required	Likely absent - Moderate
<b>T31</b>	SJ2542968 918	Oak sp. Quercus sp.	Moderate	20/09/2021	Low	Not Required	Not Required	Not Required	Low
<b>T32</b>	SJ2542168 936	Oak sp. Quercus sp.	Moderate	20/09/2021	Low	Not Required	Not Required	Not Required	Low
<b>T33</b>	SJ2579567 959	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T34</b>	SJ2579267 961	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	No access		Not Required	Precautionarily assessed as a Potential Roost

Tree ID or Tag No.	Grid Reference	Tree Species	Suitability Following PRA	Tree Climb Survey Undertaken (Date)	Suitability Following Tree Climb	Emergence/Re-entry Survey 1/ Tree Climb 1	Emergence/ Re-entry - Survey 2/ Tree Climb 2	Emergence/ Re-entry - Survey 3	Final Suitability
<b>T35</b>	SJ2577867 968	Oak sp. Quercus sp.	Moderate	18/05/2021	Low	Not Required	Not Required	Not Required	Low
<b>T36</b>	SJ2578467 977	Oak sp. Quercus sp.	Moderate	18/05/2021	High	No access		Not Required – fully searched during tree climb survey	Precautionarily assessed as a Potential Roost
<b>T37</b>	SJ2572368 092	Oak sp. Quercus sp.	Moderate	18/05/2021	Moderate	Not Required – fully searched during tree climb survey	No access	Not Required	Precautionarily assessed as a Potential Roost
<b>T38</b>	SJ3292166 989	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T39</b>	SJ3291966 994	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T40</b>	SJ3260766 952	Oak sp. Quercus sp.	High	18/08//2021	Low	Not Required	Not Required	Not Required	Low
<b>T41</b>	SJ3260766 956	Pedunculate oak Quercus robur	Moderate	18/08//2021	Moderate	14/06/2022	Not Required – fully searched during tree climb survey	Not Required	Likely absent - Moderate
<b>T42</b>	SJ3265866 900	Oak sp. Quercus sp.	Moderate	05/08/2021	Moderate	14/06/2022	Not Required – fully searched during tree climb survey	Not Required	Likely absent - Moderate
<b>T43</b>	SJ3260766 952	Pedunculate oak Quercus robur	High	18/08/2021	Low	Not Required	Not Required	Not Required	Low
<b>T44</b>	SJ4525874 517	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	07/06/2021	20/07/2021	Not Required	Likely absent - Moderate
<b>T45</b>	SJ3333166 522	Pedunculate oak Quercus robur	Moderate	04/08/2021	Moderate	16/06/2022	Not Required – fully searched during tree climb survey	Not Required	Likely absent - Moderate

Tree ID or Tag No.	Grid Reference	Tree Species	Suitability Following PRA	Tree Climb Survey Undertaken (Date)	Suitability Following Tree Climb	Emergence/Re-entry Survey 1/ Tree Climb 1	Emergence/ Re-entry - Survey 2/ Tree Climb 2	Emergence/ Re-entry - Survey 3	Final Suitability
<b>T46</b>	SJ3334466 537	Pedunculate oak Quercus robur	Moderate	04/08/2021	Low	Not Required	Not Required	Not Required	Low
<b>T47</b>	SJ4450673 287	Alder Alnus glutinosa	Moderate	Unable to be climbed	N/A	07/09/2021	11/05/2021	Not Required	Likely absent - Moderate
<b>T48</b>	SJ4460473 309	Willow sp. Salix sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T49</b>	SJ4462773 329	Alder Alnus glutinosa	Moderate	Unable to be climbed	N/A	07/09/2021	10/05/2021	16/08/2022	Potential Roost - Confirmed
<b>T50</b>	SJ3258067 255	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T52</b>	SJ3539667 976	Common Beech Fagus sylvatica	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T53</b>	SJ3537467 992	Common Beech Fagus sylvatica	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T54</b>	SJ3162467 256	Sycamore Acer pseudoplatanus	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T55</b>	SJ3168667 310	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T56</b>	SJ3754669 595	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T57</b>	SJ3756869 596	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	24/05/2022	28/06/2022	Not Required	Likely absent - Moderate

Tree ID or Tag No.	Grid Reference	Tree Species	Suitability Following PRA	Tree Climb Survey Undertaken (Date)	Suitability Following Tree Climb	Emergence/Re-entry Survey 1/ Tree Climb 1	Emergence/ Re-entry - Survey 2/ Tree Climb 2	Emergence/ Re-entry - Survey 3	Final Suitability
<b>T58</b>	SJ3757469 597	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	25/05/2022	21/07/2022	Not Required	Likely absent - Moderate
<b>T59</b>	SJ3758069 599	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T60</b>	SJ3760169 601	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T61</b>	SJ4456273 273	Sycamore Acer pseudoplatanus	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T62</b>	SJ4456173 275	Sycamore Acer pseudoplatanus	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T63</b>	SJ4456173 280	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T64</b>	SJ4455473 274	Sycamore Acer pseudoplatanus	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T65</b>	SJ4454873 276	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T66</b>	SJ4453173 277	Sycamore Acer pseudoplatanus	Low	N/A	N/A	Not Required	Not Required	Not Required	Low



Tree ID or Tag No.	Grid Reference	Tree Species	Suitability Following PRA	Tree Climb Survey Undertaken (Date)	Suitability Following Tree Climb	Emergence/Re-entry Survey 1/ Tree Climb 1	Emergence/ Re-entry - Survey 2/ Tree Climb 2	Emergence/ Re-entry - Survey 3	Final Suitability
<b>T67</b>	SJ4453673 276	Sycamore Acer pseudoplatanus	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T68</b>	SJ4450773 281	Alder Alnus glutinosa	Moderate	Unable to be climbed	N/A	05/05/2022	14/07/2022	Not Required	Likely absent - Moderate
<b>T69</b>	SJ4452674 936	Willow sp. Salix sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T70</b>	SJ4454674 136	Oak sp. Quercus sp.	Moderate	21/09/2021	High	10/05/2022	17/05/22	Not Required – fully searched during tree climb survey	Confirmed Roost
<b>T71</b>	SJ4457973 799	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T72</b>	SJ4458573 788	Oak sp. Quercus sp.	Moderate	20/09/2021	Low	Not Required	Not Required	Not Required	Low
<b>T73</b>	SJ4455973 790	Oak sp. Quercus sp.	High	Unable to be climbed	N/A	06/10/2021	04/05/2022	05/07/2022	Likely absent - High
<b>T74</b>	SJ4457373 754	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T75</b>	SJ4453273 825	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T76</b>	SJ4459774 079	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	21/06/2022	13/07/2022	Not Required	Likely absent - Moderate
<b>T77</b>	SJ4456173 784	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

Tree ID or Tag No.	Grid Reference	Tree Species	Suitability Following PRA	Tree Climb Survey Undertaken (Date)	Suitability Following Tree Climb	Emergence/Re-entry Survey 1/ Tree Climb 1	Emergence/ Re-entry - Survey 2/ Tree Climb 2	Emergence/ Re-entry - Survey 3	Final Suitability
<b>T81</b>	SJ4463373 893	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	22/06/2022	14/07/2022	Not Required	Likely absent - Moderate
<b>T82</b>	SJ4462673 763	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T84</b>	SJ4457874 003	Ash Fraxinus excelsior	High	Unable to be climbed	N/A	07/10/2021	04/05/2022	22/09/2022	Likely absent - High
<b>T85</b>	SJ4462574 031	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	21/06/2022	12/07/2022	Not Required	Likely absent - Moderate
<b>T86</b>	SJ3503967 340	Sycamore Acer pseudoplatanus	Moderate	17/06/2021	High - second climb suggested due to difficulty viewing features from ground.	17/08/2021 – second climb. Downgraded to moderate following thorough inspection of all features.	Not Required – fully searched during tree climb surveys	Not Required	Likely absent - Moderate
<b>T88</b>	SJ3193067 476	Oak sp. Quercus sp.	High	Unable to be climbed	N/A	06/08/2021	19/08/2021	07/06/2022	Likely absent - High
<b>T89</b>	SJ3190067 440	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T90</b>	SJ3187267 451	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T91</b>	SJ3188467 437	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	19/08/2021	07/06/2022	Not Required	Likely absent - Moderate
<b>T92</b>	SJ3212967 463	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T93</b>	SJ3213767 420	Oak sp. Quercus sp.	Moderate	19/08/2021	Moderate	15/06/2022	Not Required – fully searched during tree climb survey	Not Required	Likely absent - Moderate
<b>T94</b>	SJ3191167 383	Oak sp. Quercus sp.	High	Unable to be climbed	N/A	19/08/2021	14/06/2022	06/07/2022	Likely absent - High

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<b>T95</b>	SJ3168967 324	Pedunculate oak Quercus robur	Moderate	17/11/2021	Low	12/08/2021 – downgraded to low following survey after detailed inspection of features	Not Required	Not Required	Low
<b>T96</b>	SJ3172467 302	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T97</b>	SJ3249967 484	Poplar Populus sp.	Moderate	Unable to be climbed	N/A	12/08/2021 – downgraded to low following survey after detailed inspection of features	Not Required	Not Required	Low
<b>T98</b>	SJ3248567 471	Lime Tilas sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T99</b>	SJ3242967 562	Ash Fraxinus excelsior	Low	N/A	N/A	12/08/2021	Not Required	Not Required	Low
<b>T100</b>	SJ3243767 561	Ash Fraxinus excelsior	Low	N/A	N/A	12/08/2021	Not Required	Not Required	Low
<b>T101</b>	SJ3233667 644	Oak sp. Quercus sp	Low	N/A	N/A	12/08/2021	Not Required	Not Required	Low
<b>T103</b>	SJ4330771 511	Oak sp. Quercus sp.	High	16/06/2021	Low	Not Required	Not Required	Not Required	Low
<b>T104</b>	SJ3832170 530	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T105</b>	SJ3833170 536	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	05/10/2021	Not Required – tree was found fallen on 03/03/2022, and was therefore downgraded to negligible	Not Required	Negligible
<b>T107</b>	SJ4278071 939	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low



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<b>T109</b>	SJ4297471 998	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	11/05/2022	29/06/2022	Not Required	Likely absent - Moderate
<b>T110</b>	SJ4295971 985	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	11/05/2022	29/06/2022	Not Required	Likely absent - Moderate
<b>T111</b>	SJ4294771 970	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	11/05/2022	29/06/2022	17/08/2022	Confirmed Roost
<b>T112</b>	SJ4289772 781	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T115</b>	SJ3716369 452	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T116</b>	SJ4226371 200	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	08/06/2021	23/06/2021	Not Required	Likely absent - Moderate
<b>T117</b>	SJ4226971 209	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	08/06/2021	23/06/2021	Not Required	Likely absent - Moderate
<b>T118</b>	SJ4227071 224	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	08/06/2021	23/06/2021	Not Required	Likely absent - Moderate
<b>T128</b>	SJ2958767 307	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T129</b>	SJ2958467 340	Pedunculate oak Quercus robur	Moderate	17/01/2021	Low	Not Required	Not Required	Not Required	Low
<b>T131</b>	SJ3093266 816	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T132</b>	SJ3123567 131	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

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<b>T133</b>	SJ3871571 091	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T134</b>	SJ3865071 096	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T135</b>	SJ3869071 112	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T136</b>	SJ3876471 052	Pedunculate oak Quercus robur	Moderate	10/05/2022	Negligible	Not Required	Not Required	Not Required	Negligible
<b>T137</b>	SJ3865771 071	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	04/08/2022	25/08/2022	Not Required	Likely absent - Moderate
<b>T138</b>	SJ3870971 098	Pedunculate oak Quercus robur	Moderate	10/05/2022	Low	Not Required	Not Required	Not Required	Low
<b>T139</b>	SJ3882771 022	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T140</b>	SJ4091071 345	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T141</b>	SJ4091771 333	Unknown	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T142</b>	SJ4092471 326	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T143</b>	SJ4094271 321	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

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<b>T144</b>	SJ4022171 143	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	23/06/2022	05/07/2022	Not Required	Likely absent - Moderate
<b>T145</b>	SJ4048871 197	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	23/06/2022	05/07/2022	Not Required	Likely absent - Moderate
<b>T146</b>	SJ4113271 409	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T147</b>	SJ4114071 395	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	18/05/2022	07/07/2022	Not Required	Likely absent - Moderate
<b>T148</b>	SJ4114171 394	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	17/05/2022	06/07/2022	Not Required	Likely absent - Moderate
<b>T149</b>	SJ4114471 389	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	17/05/2022	06/07/2022	Not Required	Likely absent - Moderate
<b>T150</b>	SJ4115271 373	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T151</b>	SJ4117771 337	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T152</b>	SJ4117771 335	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	17/05/2022	06/07/2022	Not Required	Likely absent - Moderate
<b>T153</b>	SJ4118471 327	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low



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<b>T154</b>	SJ4095971 321	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T155</b>	SJ4094871 351	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T156</b>	SJ4095771 354	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T157</b>	SJ4096571 360	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T158</b>	SJ3502767 322	Sycamore Acer pseudoplatanus	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T159</b>	SJ3499467 263	Ash Fraxinus excelsior	High	Unable to be climbed	N/A	10/06/2021	15/07/2021	23/08/2021	Confirmed Roost
<b>T160</b>	SJ3489867 139	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T161</b>	SJ3489867 139	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T162</b>	SJ3999371 051	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T163</b>	SJ3999971 053	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T164</b>	SJ4000171 056	Sycamore Acer pseudoplatanus	Moderate	Unable to be climbed	N/A	18/05/2022	07/07/2022	Not Required	Likely absent - Moderate

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<b>T165</b>	SJ4000671 056	Ash Fraxinus excelsior	High	Unable to be climbed	N/A	18/05/2022	07/07/2022	To be completed as part of the pre-commencement surveys prior to construction	Precautionarily assessed as a Potential Roost
<b>T166</b>	SJ3969071 028	Willow sp. Salix sp.	Moderate	Unable to be climbed	N/A	02/08/2021	18/05/2022	15/08/2022	Likely absent – Moderate
<b>T167</b>	SJ3966671 022	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	29/06/2021	03/08/2021	Not Required	Likely absent - Moderate
<b>T168</b>	SJ3966071 022	Oak sp. Quercus sp.	High	Unable to be climbed	N/A	02/08/2021	12/07/2022	04/08/2022	Likely absent - High
<b>T169</b>	SJ3963971 023	Oak sp. Quercus sp.	Moderate	20/07/2021	Moderate	02/08/2021	Not Required - fully searched during tree climb survey	Not Required	Likely absent - Moderate
<b>T170</b>	SJ3963071 014	Oak sp. Quercus sp.	Moderate	20/07/2021	Moderate	02/08/2021	Not Required - fully searched during tree climb survey	Not Required	Likely absent - Moderate
<b>T171</b>	SJ3960870 957	Oak sp. Quercus sp.	Moderate	20/07/2021	Moderate	03/08/2021	Not Required - fully searched during tree climb survey	Not Required	Likely absent - Moderate
<b>T172</b>	SJ3945970 842	Dead Tree	Moderate	Unable to be climbed	N/A	03/08/2021	19/05/2022	Not Required	Likely absent - Moderate
<b>T173</b>	SJ3944770 845	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	03/08/2021	18/05/2022	Not Required	Likely absent - Moderate
<b>T174</b>	SJ3942370 860	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	03/08/2021	18/05/2022	Not Required	Likely absent - Moderate
<b>T175</b>	SJ3941170 866	Dead Tree	Moderate	Unable to be climbed	N/A	04/08/2021	19/05/2022	Not Required	Likely absent - Moderate

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<b>T176</b>	SJ3812169 806	Pedunculate oak Quercus robur	Moderate	25/20/2021	Negligible	Not Required	Not Required	Not Required	Negligible
<b>T177</b>	SJ3811969 816	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T178</b>	SJ3807169 834	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T179</b>	SJ3804769 849	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T180</b>	SJ3804069 855	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T181</b>	SJ3803669 857	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T182</b>	SJ3803269 859	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T183</b>	SJ3801969 853	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T184</b>	SJ3809569 818	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T185</b>	SJ3794369 677	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

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<b>T186</b>	SJ3793969 675	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T187</b>	SJ3796269 689	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T188</b>	SJ3791269 713	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T189</b>	SJ3788669 753	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T190</b>	SJ3030467 008	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	15/06/2022	29/07/2022	15/08/2022	Confirmed Roost
<b>T191</b>	SJ3003266 833	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T192</b>	SJ3825670 599	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T193</b>	SJ3832470 722	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	12/08/2021	23/09/2021	Not Required	Likely absent - Moderate
<b>T194</b>	SJ3832870 769	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T195</b>	SJ3828270 794	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T196</b>	SJ3827170 808	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T197</b>	SJ3826870 812	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	19/05/2022	14/07/2022	Not Required	Likely absent - Moderate



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<b>T198</b>	SJ4644675 312	Oak sp. Quercus sp.	High	Unable to be climbed	N/A	24/05/2021	26/07/2021	22/09/2021	Likely absent - High
<b>T199</b>	SJ4647675 311	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T200</b>	SJ4653675 378	Oak sp. Quercus sp.	Moderate	15/06/2021	Moderate	26/07/2021	22/09/2021	Not Required - fully searched during tree climb survey	Potential Roost - Confirmed
<b>T201</b>	SJ4654775 386	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	24/05/2021	27/07/2021	Not Required	Likely absent - Moderate
<b>T202</b>	SJ4655675 395	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T203</b>	SJ4657375 413	Dead Tree	Moderate	Unable to be climbed	N/A	25/05/2021	27/07/2021	Not Required	Likely absent - Moderate
<b>T204</b>	SJ4659175 383	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	14/06/2021	28/07/2021	Not Required	Likely absent - Moderate
<b>T205</b>	SJ4659975 378	Oak sp. Quercus sp.	Moderate	15/06/2021	Moderate	26/07/2021	Not Required - fully searched during tree climb survey	Not Required	Likely absent - Moderate
<b>T206</b>	SJ4661375 369	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	25/05/2021	28/07/2021	Not Required	Likely absent - Moderate
<b>T207</b>	SJ4636875 060	Oak sp. Quercus sp.	Moderate	15/06/2021	Low	Not Required	Not Required	Not Required	Low
<b>T209</b>	SJ3568168 507	Poplar sp. Populus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T210</b>	SJ3569068 513	Poplar sp. Populus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T211</b>	SJ3569368 516	Poplar sp. Populus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

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<b>T212</b>	SJ3570568 528	Poplar sp. Populus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T213</b>	SJ3571468 534	Poplar sp. Populus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T214</b>	SJ3594468 918	Willow sp. Salix sp.	Moderate	Unable to be climbed	N/A	04/08/2021	No longer required as tree had fallen and been removed	Not Required	N/A - Tree has fallen down
<b>T215</b>	SJ3596268 910	Willow sp. Salix sp.	Moderate	Unable to be climbed	N/A	04/08/2021	08/06/2022	Not Required	N/A – Tree has fallen down
<b>T216</b>	SJ3597468 903	Willow sp. Salix sp.	Moderate	18/10/2021	Low	04/08/2021	Not Required	Not Required	Low
<b>T217</b>	SJ3601368 891	Willow sp. Salix sp.	Moderate	18/10/2021	Low	04/08/2021	Not Required	Not Required	Low
<b>T218</b>	SJ3603568 883	Willow sp. Salix sp.	Low	N/A	N/A	04/08/2021	Not Required	Not Required	Low
<b>T219</b>	SJ3607668 868	Willow sp. Salix sp.	High	Unable to be climbed	N/A	04/08/2021	10/05/2022	03/08/2022	Likely absent - High
<b>T220</b>	SJ3608168 866	Willow sp. Salix sp.	Moderate	Unable to be climbed	N/A	04/08/2021	03/08/2022	22/08/2022	Confirmed Roost
<b>T221</b>	SJ3608668 871	Willow sp. Salix sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T222</b>	SJ3609668 861	Willow sp. Salix sp.	Moderate	Unable to be climbed	N/A	08/06/2022	19/07/2022	Not Required	Likely absent - Moderate
<b>T223</b>	SJ3918170 826	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	07/07/2022	21/07/2022	Not Required	Likely absent - Moderate
<b>T225</b>	SJ3688869 515	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	03/08/2022	22/08/2022	Not Required	Likely absent - Moderate

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<b>T226</b>	SJ3688769 517	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T227</b>	SJ3692269 493	Ash Fraxinus excelsior	Moderate	23/09/2021	Low	Not Required	Not Required	Not Required	Low
<b>T228</b>	SJ3690269 443	Pedunculate oak Quercus robur	Moderate	23/09/2021	Moderate	08/06/2022	Not Required - fully searched during tree climb survey	Not Required	Likely absent - Moderate
<b>T229</b>	SJ3700169 421	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T230</b>	SJ3709069 515	Pedunculate oak Quercus robur	Moderate	23/09/2021	High	03/08/2022	25/08/2022 – Abandoned due to cows.  To be completed as part of the pre-commencement surveys prior to construction, where required.	Not Required - fully searched during tree climb survey	Precautionarily assessed as a Potential Roost
<b>T231</b>	SJ3737969 465	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T232</b>	SJ3738069 545	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T233</b>	SJ3733469 550	Dead tree	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T234</b>	SJ3732569 555	Ash Fraxinus excelsior	High	Unable to be climbed	N/A	29/09/2021	13/07/2022	04/08/2022	Confirmed Roost

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<b>T235</b>	SJ3730569 554	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T236</b>	SJ3725369 554	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T237</b>	SJ3722969 556	Pedunculate oak Quercus robur	Moderate	22/09/2021	Negligible	Not Required	Not Required	Not Required	Negligible
<b>T238</b>	SJ3723369 460	Pedunculate oak Quercus robur	High	Unable to be climbed	N/A	13/07/2022	02/08/2022	23/08/2022	Confirmed Roost
<b>T239</b>	SJ2647167 649	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T240</b>	SJ2639067 716	Oak sp. Quercus sp.	Moderate	18/10/2021	Low	11/08/2021 – downgraded to low following survey after detailed inspection of features	Not Required	Not Required	Low
<b>T241</b>	SJ2638167 714	Oak sp. Quercus sp.	Moderate	18/10/2021	Low	11/08/2021 – downgraded to low following survey after detailed inspection of features	Not Required	Not Required	Low
<b>T242</b>	SJ2648867 765	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T245</b>	SJ4542374 425	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T247</b>	SJ4574174 619	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T248</b>	SJ4567174 584	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	30/06/2021	19/07/2021	Not Required	Likely absent - Moderate



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<b>T249</b>	SJ3669369 328	Ash Fraxinus excelsior	Moderate	21/07/2021	Negligible	Not Required	Not Required	Not Required	Negligible
<b>T250</b>	SJ3673069 336	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T251</b>	SJ3561067 377	Willow sp. Salix sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T252</b>	SJ4404673 034	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T253</b>	SJ4404273 054	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T254</b>	SJ4403773 069	Willow sp. Salix sp.	High	Unable to be climbed	N/A	10/05/2022	04/08/2022	24/08/2022	Likely absent - High
<b>T255</b>	SJ4404173 076	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T257</b>	SJ3538467 999.	Alder Alnus glutinosa	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T258</b>	SJ3540467 985	Alder Alnus glutinosa	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T261</b>	SJ4123771 291	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	02/09/2021 – downgraded following survey after detailed inspection of ivy cover	Not Required	Not Required	Low
<b>T262</b>	SJ4133871 479	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T265</b>	SJ4408572 928	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	10/05/2022	No access	Not Required	Precautionarily assessed as a Potential Roost

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<b>T267</b>	SJ4614874 651	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	13/08/2021	28/09/2021	Not Required	Likely absent - Moderate
<b>T269</b>	SJ3542667 969	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T271</b>	SJ2653267 710	Oak sp. Quercus sp.	Moderate	07/02/2022	Low	Not Required	Not Required	Not Required	Low
<b>T272</b>	SJ2652167 611	Alder Alnus glutinosa	Moderate	Unable to be climbed	N/A	16/06/2022	12/07/2022	Not Required	Likely absent - Moderate
<b>T273</b>	SJ2650167 621	Alder Alnus glutinosa	Moderate	Unable to be climbed	N/A	16/06/2022	12/07/2022	Not Required	Likely absent - Moderate
<b>T274</b>	SJ2668167 560	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	16/06/2022	12/07/2022	Not Required	Likely absent - Moderate
<b>T275</b>	SJ4408672 897	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	10/08/2021	11/05/2022	Not Required	Likely absent - Moderate
<b>T276</b>	SJ4408772 922	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	10/08/2021	12/05/2022	Not Required	Likely absent - Moderate
<b>T277</b>	SJ3467966 968	Sycamore Acer pseudoplatanus	Moderate	18/10/2021	Negligible	09/08/2021 – climb suggested due to lack of bat activity	20/10/2021 - downgraded to Negligible following detailed inspection of features	Not Required	Negligible
<b>T278</b>	SJ3466166 969	Willow sp. Salix sp.	Moderate	18/10/2021	Low	09/08/2021 – climb suggested due to lack of activity	20/10/2021 - downgraded to low following aerial survey inspection of features	Not Required	Low
<b>T279</b>	SJ3465366 971	Willow sp. Salix sp.	Moderate	20/10/2021	Moderate	09/08/2021	13/07/2022	Not Required	Likely absent - Moderate

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<b>T280</b>	SJ3466166 982	Dead Tree	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T281</b>	SJ3493066 719	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T282</b>	SJ3509466 604	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T283</b>	SJ3510466 596	Sycamore Acer pseudoplatanus	High	Unable to be climbed	N/A	13/07/2022	04/08/2022	24/08/2022	Potential roost - Confirmed
<b>T284</b>	SJ3511566 588	Sycamore Acer pseudoplatanus	Moderate	Unable to be climbed	N/A	12/07/2022	25/08/2022	Not Required	Likely absent - Moderate
<b>T285</b>	SJ2987167 047	Oak sp. Quercus sp.	Moderate	05/08/2021	Low	Not Required	Not Required	Not Required	Low
<b>T286</b>	SJ2981967 207	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	14/06/2022	13/07/2022	Not Required	Likely absent - Moderate
<b>T287</b>	SJ2513370 417	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T288</b>	SJ2525970 138	Alder Alnus glutinosa	Moderate	Unable to be climbed	N/A	23/08/2021	30/06/2022	Not Required	Likely absent - Moderate
<b>T289</b>	SJ2515470 396	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T290</b>	SJ2523270 066	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T291</b>	SJ2527470 131	Beech Fagus sylvatica	Moderate	22/07/2021	Low	Not Required	Not Required	Not Required	Low

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<b>T292</b>	SJ3367166 315	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	22/06/2022	14/07/2022	Not Required	Likely absent - Moderate
<b>T293</b>	SJ3390066 310	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	22/06/2022	14/07/2022	Not Required	Likely absent - Moderate
<b>T294</b>	SJ3369666 264	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T295</b>	SJ3814870 320	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	11/08/2021	23/09/2021	Not Required	Likely absent - Moderate
<b>T296</b>	SJ3820270 373	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	11/08/2021	29/09/2021	Not Required	Likely absent - Moderate
<b>T297</b>	SJ3814370 498	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	11/08/2021	19/05/2022	Not Required	Likely absent - Moderate
<b>T298</b>	SJ4136171 036	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T300</b>	SJ4141571 084	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T301</b>	SJ4142071 085	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T302</b>	SJ4143271 093	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	13/06/2022	14/07/2022	Not Required	Likely absent - Moderate



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<b>T303</b>	SJ4143971 100	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T304</b>	SJ4147071 126	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	13/06/2022	14/07/2022	Not Required	Likely absent - Moderate
<b>T305</b>	SJ4148271 141	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T306</b>	SJ4149571 154	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T307</b>	SJ4150571 162	Pedunculate oak Quercus robur	Moderate	06/05/2022	Low	Not Required	Not Required	Not Required	Low
<b>T308</b>	SJ4151271 167	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T309</b>	SJ4152371 175	Pedunculate oak Quercus robur	Moderate	06/05/2022	Moderate	14/06/2022	Not Required - fully searched during tree climb survey	Not Required	Likely absent - Moderate
<b>T310</b>	SJ4174171 032	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T311</b>	SJ4159771 035	Sycamore Acer pseudoplatanus	Moderate	04/05/2022	Low	Not Required	Not Required	Not Required	Low
<b>T315</b>	SJ4197071 032	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

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<b>T316</b>	SJ4195871 045	Pedunculate oak Quercus robur	Moderate	05/05/2022	Low	Not Required	Not Required	Not Required	Low
<b>T317</b>	SJ4196371 057	Sycamore Acer pseudoplatanus	Moderate	N/A	N/A	15/06/2022	14/07/2022	Not Required	Likely absent - Moderate
<b>T318</b>	SJ4194471 083	Sycamore Acer pseudoplatanus	High	05/05/2022	High	13/07/2022	02/08/2022	23/08/2022	Likely absent - High
<b>T319</b>	SJ4193471 100	Sycamore Acer pseudoplatanus	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T320</b>	SJ4191971 122	Sycamore Acer pseudoplatanus	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T321</b>	SJ4189671 132	Ash Fraxinus excelsior	High	Unable to be climbed	N/A	13/07/2022	04/08/2022	23/08/2022	Confirmed Roost
<b>T322</b>	SJ4190171 137	Sycamore Acer pseudoplatanus	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T324</b>	SJ4433873 221	Ash Fraxinus excelsior	High	Unable to be climbed	N/A	10/05/2022	14/07/2022	17/08/2022	Likely absent - High
<b>T325</b>	SJ4301172 033	Ash Fraxinus excelsior	High	Unable to be climbed	N/A	10/08/2021	23/06/2022	13/07/2022	Potential Roost - Confirmed

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<b>T326</b>	SJ4302972 052	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	To be completed as part of the pre-commencement surveys prior to construction, where required	To be completed as part of the pre-commencement surveys prior to construction, where required	Potential Roost - Confirmed
<b>T327</b>	SJ4304272 065	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	10/08/2021	12/05/2022	To be completed as part of the pre-commencement surveys prior to construction, where required	Potential Roost - Confirmed
<b>T328</b>	SJ4305772 074	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T329</b>	SJ4308072 091	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	10/08/2021	12/05/2022	Not Required	Likely absent - Moderate
<b>T330</b>	SJ4309172 101	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T331</b>	SJ4313372 147	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	10/08/2021	11/05/2022	Not Required	Likely absent - Moderate
<b>T332</b>	SJ4315672 166	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	10/08/2021	10/05/2022	Not Required	Likely absent - Moderate
<b>T334</b>	SJ3538467 999	Alder Alnus glutinosa	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T335</b>	SJ3540467 985	Alder Alnus glutinosa	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T336</b>	SJ2530369 100	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	08/09/2021	29/06/2022	Not Required	Likely absent - Moderate
<b>T337</b>	SJ2531169 057	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

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<b>T338</b>	SJ4005871 149	Oak sp. Quercus sp.	High	21/07/2021	High – second climb suggested due to difficulty viewing features from ground.	17/08/2021 – second climb. Tree downgraded to moderate following thorough inspection of all features.	Not Required - fully searched during tree climb surveys	Not Required	Likely absent - Moderate
<b>T339</b>	SJ4024671 210	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	14/07/2021	12/08/2021	Not Required	Likely absent - Moderate
<b>T340</b>	SJ4023071 177	Ash Fraxinus excelsior	High	Unable to be climbed	N/A	14/07/2021	12/08/2021	21/09/2021	Likely absent - High
<b>T341</b>	SJ4608774 696	Pedunculate oak Quercus robur	High	18/08/2021	Low	Not Required	Not Required	Not Required	Low
<b>T343</b>	SJ4592574 682	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T344</b>	SJ4589774 634	Oak sp. Quercus sp.	Moderate	15/06/2021	Low	Not Required	Not Required	Not Required	Low
<b>T345</b>	SJ4587274 586	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	09/08/2021	29/09/2021	Not Required	Likely absent - Moderate
<b>T346</b>	SJ4572474 549	Oak sp. Quercus sp.	Moderate	15/06/2021	Low	Not Required	Not Required	Not Required	Low
<b>T349</b>	SJ4538874 643	Cherry sp. prunus sp.	Moderate	Unable to be climbed	N/A	09/08/2021	06/10/2021 – limited by high winds.  To be completed as part of the pre-commencement surveys prior to construction, where required.	Not Required	Precautionarily assessed as a Potential Roost
<b>T350</b>	SJ3258967 048	Oak sp. Quercus sp.	Moderate	10/02/2022	Moderate	09/06/2022	06/07/2022	Not Required	Likely absent - Moderate



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<b>T351</b>	SJ3802270 212	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T352</b>	SJ3811970 210	Pedunculate oak Quercus robur	High	10/05/2022	Low	Not Required	Not Required	Not Required	Low
<b>T355</b>	SJ4457373 538	Sycamore Acer pseudoplatanus	Moderate	16/06/2021	Moderate	07/09/2021	Not Required - fully searched during tree climb survey	Not Required	Likely absent - Moderate
<b>T356</b>	SJ4472473 618	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T357</b>	SJ4471273 630	Oak sp. Quercus sp.	Moderate	16/06/2021	Low	Not Required	Not Required	Not Required	Low
<b>T358</b>	SJ4469773 645	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	30/06/2021	07/09/2021	Not Required	Likely absent - Moderate
<b>T359</b>	SJ4455373 671	Oak sp. Quercus sp.	Moderate	16/06/2021	Moderate	07/09/2021	Not Required - fully searched during tree climb survey	Not Required	Likely absent - Moderate
<b>T360</b>	SJ3303966 753	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T361</b>	SJ3770669 615	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T362</b>	SJ3767469 609	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T363</b>	SJ3765569 606	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

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<b>T364</b>	SJ3774369 576	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	07/06/2022	13/07/2022	Not Required	Likely absent - Moderate
<b>T365</b>	SJ3741469 565	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	07/06/2022	12/07/2022	16/08/2022	Confirmed Roost
<b>T366</b>	SJ3045966 948	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T367</b>	SJ3015066 969	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T368</b>	SJ4236871 261	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T369</b>	SJ4249871 280	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T370</b>	SJ4254471 277	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T371</b>	SJ4255171 201	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	10/05/2022	19/07/2022	22/09/2022	Confirmed Roost
<b>T373</b>	SJ2951967 363	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T374</b>	SJ2951067 369	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T375</b>	SJ2950267 376	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

Tree ID or Tag No.	Grid Reference	Tree Species	Suitability Following PRA	Tree Climb Survey Undertaken (Date)	Suitability Following Tree Climb	Emergence/Re-entry Survey 1/ Tree Climb 1	Emergence/ Re-entry - Survey 2/ Tree Climb 2	Emergence/ Re-entry - Survey 3	Final Suitability
<b>T376</b>	SJ2915067 207	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	No access		Not Required	Precautionarily assessed as a Potential Roost
<b>T378</b>	SJ3066066 748	Alder Alnus glutinosa	Moderate	Unable to be climbed	N/A	22/06/2022	12/07/2022	Not Required	Likely absent - Moderate
<b>T379</b>	SJ2880066 502	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T380</b>	SJ2883966 465	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T381</b>	SJ2861266 518	Oak sp. Quercus sp.	Moderate	21/07/2021	Negligible	Not Required	Not Required	Not Required	Negligible
<b>T382</b>	SJ2843866 544	Dead tree	Moderate	Unable to be climbed	N/A	03/09/2021	16/06/2022	N/A	Likely absent - Moderate
<b>T383</b>	SJ2846566 553	Dead tree	High	21/07/2021	Negligible	Not Required	Not Required	Not Required	Negligible
<b>T384</b>	SJ2846266 571	Oak sp. Quercus sp.	Moderate	21/07/2021	Negligible	Not Required	Not Required	Not Required	Negligible
<b>T385</b>	SJ2842466 644	Oak sp. Quercus sp.	Moderate	21/07/2021	Negligible	Not Required	Not Required	Not Required	Negligible
<b>T386</b>	SJ2836066 738	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T387</b>	SJ2827866 712	Oak sp. Quercus sp.	High	21/07/2021	High	17/08/2021	22/09/2021	Not required - fully searched during tree climb survey	Likely absent - High
<b>T388</b>	SJ2828466 700	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

Tree ID or Tag No.	Grid Reference	Tree Species	Suitability Following PRA	Tree Climb Survey Undertaken (Date)	Suitability Following Tree Climb	Emergence/Re-entry Survey 1/ Tree Climb 1	Emergence/ Re-entry - Survey 2/ Tree Climb 2	Emergence/ Re-entry - Survey 3	Final Suitability
<b>T389</b>	SJ2812166 873	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T390</b>	SJ2810966 867	Alder Alnus glutinosa	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T391</b>	SJ2810966 864	Alder Alnus glutinosa	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T392</b>	SJ2810666 861	Alder Alnus glutinosa	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T393</b>	SJ2807066 800	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	16/06/2022	29/07/2022	Not Required	Likely absent - Moderate
<b>T398</b>	SJ2863266 483	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T399</b>	SJ2864266 486	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T400</b>	SJ2864566 426	Hawthorn with Elder tree Crategus sp., / Sambucus nigra	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T401</b>	SJ2862266 406	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	09/06/2022	19/07/2022	Not Required	Likely absent - Moderate
<b>T402</b>	SJ2860066 447	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	14/06/2022	19/07/2022	Not Required	Likely absent - Moderate



Tree ID or Tag No.	Grid Reference	Tree Species	Suitability Following PRA	Tree Climb Survey Undertaken (Date)	Suitability Following Tree Climb	Emergence/Re-entry Survey 1/ Tree Climb 1	Emergence/ Re-entry - Survey 2/ Tree Climb 2	Emergence/ Re-entry - Survey 3	Final Suitability
<b>T403</b>	SJ2852466 459	Pedunculate oak Quercus robur	Moderate	Unable to be climbed	N/A	28/07/2022	20/09/2022	Not Required	Likely absent - Moderate
<b>T404</b>	SJ2854966 459	Pedunculate oak Quercus robur	Moderate	24/05/2022	Low	Not Required	Not Required	Not Required	Low
<b>T406</b>	SJ2566168 532	Oak sp. Quercus sp.	Moderate	17/01/2021	Low	Not Required	Not Required	Not Required	Low
<b>T407</b>	SJ2559468 629	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T408</b>	SJ2554868 635	Oak sp. Quercus sp.	Moderate	25/10/2021	Low	Not Required	Not Required	Not Required	Low
<b>T409</b>	SJ2557168 533	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T410</b>	SJ2555568 550	Oak sp. Quercus sp.	Moderate	25/10/2021	Low	Not Required	Not Required	Not Required	Low
<b>T411</b>	SJ2554368 561	Pedunculate oak Quercus robur	Moderate	20/01/22 – second climb suggested due to difficulty accessing features	Moderate	10/05/2022 – second climb	28/06/2022	Not Required	Likely absent - Moderate
<b>T412</b>	SJ2553568 571	Oak sp. Quercus sp.	Moderate	25/20/2021	Low	Not Required	Not Required	Not Required	Low
<b>T414</b>	SJ2566468 345	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T415</b>	SJ2729367 412	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

Tree ID or Tag No.	Grid Reference	Tree Species	Suitability Following PRA	Tree Climb Survey Undertaken (Date)	Suitability Following Tree Climb	Emergence/Re-entry Survey 1/ Tree Climb 1	Emergence/ Re-entry - Survey 2/ Tree Climb 2	Emergence/ Re-entry - Survey 3	Final Suitability
<b>T416</b>	SJ2569968 270	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T417</b>	SJ2674867 585	Oak sp. Quercus sp.	Moderate	17/06/2021	Moderate	24/08/2021	Not Required - fully searched during tree climb survey	Not Required	Likely absent - Moderate
<b>T418</b>	SJ2677867 603	Oak sp. Quercus sp.	Moderate	17/06/2021	Negligible	Not Required	Not Required	Not Required	Negligible
<b>T419</b>	SJ2636967 724	Dead tree	High	No access	N/A	No access			Precautionarily assessed as a Potential Roost
<b>T420</b>	SJ2632767 725	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T421</b>	SJ2631467 706	Ash Fraxinus excelsior	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T422</b>	SJ2634167 694	Dead Tree	High	No access	N/A	No access			Precautionarily assessed as a Potential Roost
<b>T423</b>	SJ2633067 633	Ash Fraxinus excelsior	Moderate	No access	N/A	No access		Not required	Precautionarily assessed as a Potential Roost
<b>T424</b>	SJ2634167 648	Alder Alnus glutinosa	Moderate	No access	N/A	No access		Not required	Precautionarily assessed as a Potential Roost
<b>T425</b>	SJ2637567 723	Dead tree	Moderate	No access	N/A	No access		Not required	Precautionarily assessed as a Potential Roost
<b>T426</b>	SJ2632667 697	Oak sp. Quercus sp.	Moderate	No access	N/A	No access		Not required	Precautionarily assessed as a Potential Roost

Tree ID or Tag No.	Grid Reference	Tree Species	Suitability Following PRA	Tree Climb Survey Undertaken (Date)	Suitability Following Tree Climb	Emergence/Re-entry Survey 1/ Tree Climb 1	Emergence/ Re-entry - Survey 2/ Tree Climb 2	Emergence/ Re-entry - Survey 3	Final Suitability
<b>T427</b>	SJ2632967 648	Ash Fraxinus excelsior	Moderate	No access	N/A	No access		Not required	Precautionarily assessed as a Potential Roost
<b>T428</b>	SJ2635867 657	Silver Birch Betula pendula	Moderate	No access	N/A	No access		Not required	Precautionarily assessed as a Potential Roost
<b>T429</b>	SJ2631567 684	Pedunculate oak Quercus robur	Moderate	No access	N/A	No access		Not required	Precautionarily assessed as a Potential Roost
<b>T430</b>	SJ2630967 716	Pedunculate oak Quercus robur	Moderate	No access	N/A	No access		Not required	Precautionarily assessed as a Potential Roost
<b>T431</b>	SJ2630967 718	Pedunculate oak Quercus robur	Moderate	No access	N/A	No access		Not required	Precautionarily assessed as a Potential Roost
<b>T432</b>	SJ2773767 188	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T433</b>	SJ2787066 883	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T434</b>	SJ2781466 923	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	21/06/2022	05/07/2022	Not Required	Likely absent - Moderate
<b>T435</b>	SJ2784066 909	Willow sp. Salix sp.	Moderate	Unable to be climbed	N/A	21/06/2022	No Access	Not Required	Precautionarily assessed as a Potential Roost
<b>T436</b>	SJ4491473 372	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T438</b>	SJ4481073 491	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	15/06/2021	15/07/2021	Not Required	Likely absent - Moderate

Tree ID or Tag No.	Grid Reference	Tree Species	Suitability Following PRA	Tree Climb Survey Undertaken (Date)	Suitability Following Tree Climb	Emergence/Re-entry Survey 1/ Tree Climb 1	Emergence/ Re-entry - Survey 2/ Tree Climb 2	Emergence/ Re-entry - Survey 3	Final Suitability
<b>T440</b>	SJ2535669 848	Sycamore Acer pseudoplatanus	Moderate	03/08/2021	Low	Not Required	Not Required	Not Required	Low
<b>T441</b>	SJ2535069 852	Dead Tree	Moderate	21/09/2021	Low	Not Required	Not Required	Not Required	Low
<b>T443</b>	SJ2563468 420	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T444</b>	SJ2562968 448	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T445</b>	SJ2561668 468	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T446</b>	SJ2563168 507	Pedunculate oak Quercus robur	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T447</b>	SJ4331272 310	Unknown	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T448</b>	SJ4277771 644	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T449</b>	SJ4273871 626	Ash Fraxinus excelsior	High	19/08/2021	High	12/05/2022	27/07/2022	Not Required - fully searched during tree climb survey	Likely absent - High
<b>T450</b>	SJ4271971 620	Oak sp. Quercus sp.	Moderate	19/08/2021	Low	Not Required	Not Required	Not Required	Low
<b>T451</b>	SJ4264471 386	Oak sp. Quercus sp.	Moderate	19/08/2021	Moderate	12/05/2022	Not Required - fully searched during tree climb survey	Not Required	Likely absent - Moderate



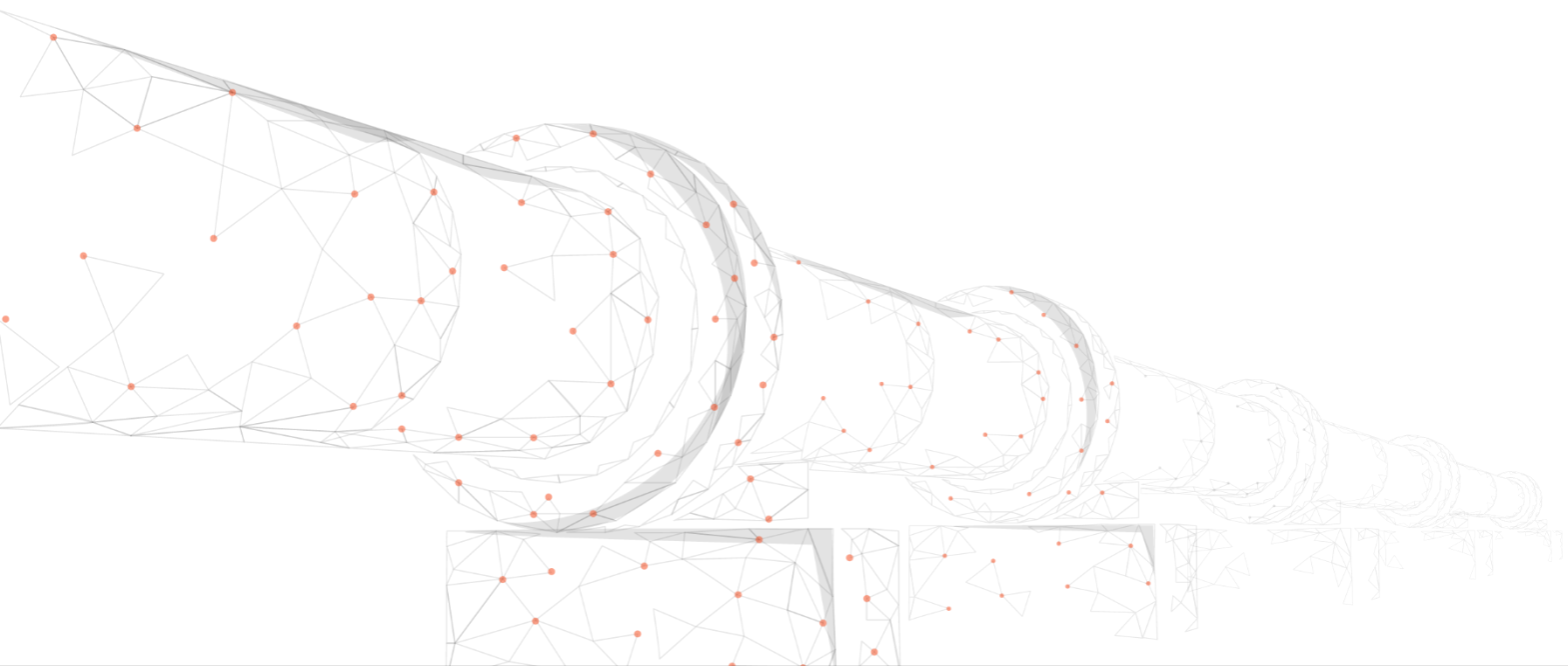
Tree ID or Tag No.	Grid Reference	Tree Species	Suitability Following PRA	Tree Climb Survey Undertaken (Date)	Suitability Following Tree Climb	Emergence/Re-entry Survey 1/ Tree Climb 1	Emergence/ Re-entry - Survey 2/ Tree Climb 2	Emergence/ Re-entry - Survey 3	Final Suitability
<b>T452</b>	SJ2571168 124	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	30/06/2021	15/07/2021	Not Required	Likely absent - Moderate
<b>T453</b>	SJ3821170 360	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	24/05/2022	20/07/2022	Not Required	Likely absent - Moderate
<b>T454</b>	SJ3818970 342	Oak sp. Quercus sp.	Moderate	Unable to be climbed	N/A	24/05/2022	20/07/2022	Not Required	Likely absent - Moderate
<b>T455</b>	SJ3816770 324	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T456</b>	SJ2696767 426	Oak sp. Quercus sp.	Moderate	19/08/2021	Moderate	07/10/2021	Not Required - fully searched during tree climb survey	Not Required	Likely absent - Moderate
<b>T457</b>	SJ2694067 413	Willow sp. Salix sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T458</b>	SJ2691767 425	Willow sp. Salix sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T459</b>	SJ2698167 447	Ash Fraxinus excelsior	Moderate	19/08/2021	Negligible	Not Required	Not Required	Not Required	Negligible
<b>T460</b>	SJ2698967 453	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T461</b>	SJ2705367 438	Dead tree	Moderate	Unable to be climbed	N/A	08/09/2021	22/06/2022	Not Required	Likely absent - Moderate
<b>T462</b>	SJ2701567 442	Ash Fraxinus excelsior	Moderate	Unable to be climbed	N/A	08/09/2021	15/06/2022	Not Required	Likely absent - Moderate
<b>T464</b>	SJ3079166 911	Sycamore Acer pseudoplatan us	Moderate	Unable to be climbed	N/A	15/06/2022	29/07/2022	Not Required	Likely absent - Moderate
<b>T475</b>	SJ2525371 101	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

Tree ID or Tag No.	Grid Reference	Tree Species	Suitability Following PRA	Tree Climb Survey Undertaken (Date)	Suitability Following Tree Climb	Emergence/Re-entry Survey 1/ Tree Climb 1	Emergence/ Re-entry - Survey 2/ Tree Climb 2	Emergence/ Re-entry - Survey 3	Final Suitability
<b>T480</b>	SJ4462373 727	Oak sp. Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T491</b>	SJ289386 7119	Sycamore Acer pseudoplatan us	Moderate	Unable to be climbed	N/A	To be completed as part of the pre-commencement surveys prior to construction, where required.	To be completed as part of the pre-commencement surveys prior to construction, where required.	Not Required	Precautionarily assessed as a Potential Roost
<b>T492</b>	SJ289566 7114	Oak species Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T493</b>	SJ289646 7119	Oak species Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T494</b>	SJ289666 7121	Oak species Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T495</b>	SJ255426 8052	Oak species Quercus sp.	Moderate	Unable to be climbed	N/A	To be completed as part of the pre-commencement surveys prior to construction, where required.	To be completed as part of the pre-commencement surveys prior to construction, where required.	Not Required	Precautionarily assessed as a Potential Roost
<b>T496</b>	SJ219577 2403	Oak species Quercus sp.	Moderate	To be completed as part of the pre-commencement surveys prior to construction, where required.	N/A	To be completed as part of the pre-commencement surveys prior to construction, where required.	To be completed as part of the pre-commencement surveys prior to construction, where required.	Not Required	Precautionarily assessed as a Potential Roost
<b>T497</b>	SJ219237 2377	Oak species Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
<b>T498</b>	SJ219267 2346	Oak species Quercus sp.	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

Tree ID or Tag No.	Grid Reference	Tree Species	Suitability Following PRA	Tree Climb Survey Undertaken (Date)	Suitability Following Tree Climb	Emergence/Re-entry Survey 1/ Tree Climb 1	Emergence/ Re-entry - Survey 2/ Tree Climb 2	Emergence/ Re-entry - Survey 3	Final Suitability
<b>T499</b>	SJ218857 2539	Sessile oak Quercus petraea	Moderate	To be completed as part of the pre-commencement surveys prior to construction, where required.	N/A	To be completed as part of the pre-commencement surveys prior to construction, where required.	To be completed as part of the pre-commencement surveys prior to construction, where required.	Not Required	Precautionarily assessed as a Potential Roost
<b>T500</b>	SJ3961571 038	Oak sp. Quercus sp.	Moderate	20/07/2021	Moderate	02/08/2021	Not Required - fully searched during tree climb survey	Not Required	Likely absent - Moderate
<b>T501</b>	SJ3960671 059	Oak sp. Quercus sp.	Moderate	20/07/2021	Moderate	03/08/2021	Not Required - fully searched during tree climb survey	Not Required	Likely absent - Moderate

# Annex E

## **CONFIRMED BAT ROOSTS**





**Table 7 – Confirmed Bat Roosts**

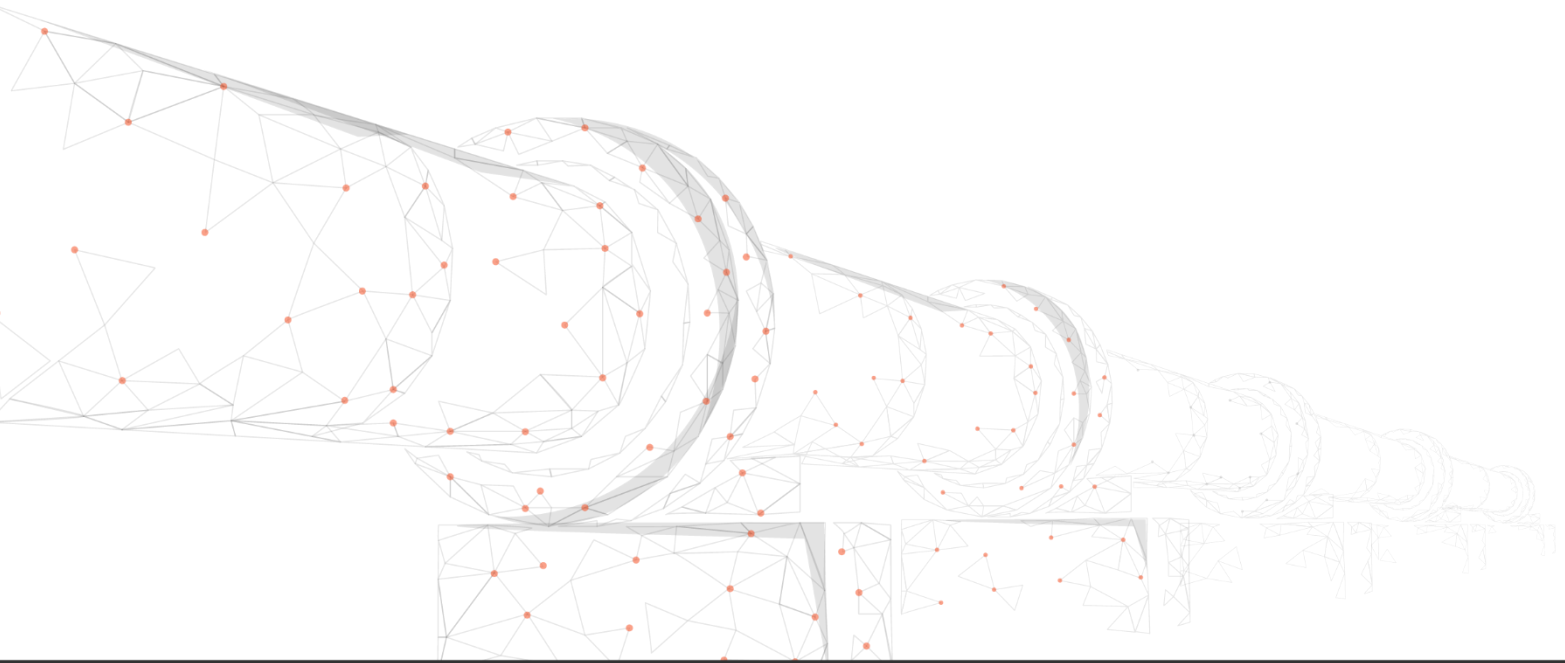
Method	Feature Reference / Tag Number	Date	Species	Comments	Type of roost
Structures					
Dusk Emergence survey	B97	26/05/2021	Common pipistrelle	Potential emergence from windows along SE side of the building.	Potential day roost
Dusk Emergence survey	B113	18/08/2021	Common pipistrelle	Emergence of single bat from crack in brickwork from south corner of structure.	Day Roost
Dusk Emergence survey	B113	08/06/2022	Common pipistrelle	Emergence of 6 common pipistrelle bats. A single bat from the northwest elevation, a single bat from the northeast elevation under the fascia boarding at the edge of the roof, three bats from the southern corner of the building where the roof had lifted and a single bat from the southwest elevation.	Day Roost
Dusk Emergence survey	B133	25/05/2022	Common pipistrelle Soprano pipistrelle	Emergence of 7 bats (4 x common pipistrelles and 3 soprano pipistrelles) from the south-eastern gable end roof flashing.	Day Roost
Trees					
Dusk Emergence survey	T1	30/06/2022	Common pipistrelle	Potential emergence of a single bat from the tree.	Potential day roost
	T49	07/09/2021	Soprano pipistrelle	Potential emergence of a single bat from feature on north-east side of tree.	Potential day roost
	T159	15/07/2021	Soprano pipistrelle	Emergence of a single bat from the top of the tree on the eastern side.	Day roost
	T190	15/06/2022	Common pipistrelle	Emergence of a single bat from a snapped off limb on south-west side of tree.	Day roost
	T200	26/07/2021	Soprano pipistrelle	Potential emergence of a single bat from large, open trunk cavity extending into the northernmost lower branch.	Potential day roost
	T220	04/08/2021	Common pipistrelle	Emergence of a single bat which dropped down from a feature on the eastern side of the tree.	Day roost
	T238	02/08/2022	Soprano pipistrelle	Emergence of a single bat from a woodpecker hole on the southern aspect.	Potential day roost
	T238	23/08/2022	Soprano pipistrelle	Emergence of a single bat from a woodpecker hole on the southern aspect.	Potential day roost

Method	Feature Reference / Tag Number	Date	Species	Comments	Type of roost
Structures					
Dusk Emergence survey	B97	26/05/2021	Common pipistrelle	Potential emergence from windows along SE side of the building.	Potential day roost
Dusk Emergence survey	B113	18/08/2021	Common pipistrelle	Emergence of single bat from crack in brickwork from south corner of structure.	Day Roost
Dusk Emergence survey	B113	08/06/2022	Common pipistrelle	Emergence of 6 common pipistrelle bats. A single bat from the northwest elevation, a single bat from the northeast elevation under the fascia boarding at the edge of the roof, three bats from the southern corner of the building where the roof had lifted and a single bat from the southwest elevation.	Day Roost
Dusk Emergence survey	B133	25/05/2022	Common pipistrelle Soprano pipistrelle	Emergence of 7 bats (4 x common pipistrelles and 3 soprano pipistrelles) from the south-eastern gable end roof flashing.	Day Roost
	T325	10/08/2021	Brown long-eared bat	Potential emergence of a number of bats along this tree line during survey on 10/08/2021. However, no roosts were recorded during subsequent visits (June and July 2022).	Potential day roost
	T326	10/08/2021	Brown long-eared bat	Potential emergence of a number of bats along this tree line during survey on 10/08/2021. However, no roosts were recorded during subsequent visits (June and July 2022).	Potential day roost
	T327	10/08/2021	Brown long-eared bat	Potential emergence of a number of bats along this tree line during survey on 10/08/2021. However, no roosts were recorded during subsequent visits (June and July 2022).	Potential day roost
	T365	07/06/2022	Common pipistrelle	Emergence of a single bat from split in bark below woodpecker hole.	Day roost
	T371	10/05/2022	Common pipistrelle	Emergence of a single bat from upward facing knothole on north pointing branch.	Day roost
	T321	23/08/2022	Soprano pipistrelle	Emergence of a single bat from a hole on the underside broken branch on west side of tree.	Day roost
Dawn Re-entry survey	T70	17/05/2022	Soprano pipistrelle	Re-entry of a single bat from cavity in the main trunk.	Day roost
	T111	29/06/2022	Common pipistrelle and <i>Myotis</i> sp.	Two bats flew into tree on south side several minutes apart.	Day roost
	T234	04/08/2022	Soprano pipistrelle	Re-entry of a single bat into a feature on the end of a lower branch on western aspect of the tree.	Day roost

Method	Feature Reference / Tag Number	Date	Species	Comments	Type of roost
Structures					
Dusk Emergence survey	B97	26/05/2021	Common pipistrelle	Potential emergence from windows along SE side of the building.	Potential day roost
Dusk Emergence survey	B113	18/08/2021	Common pipistrelle	Emergence of single bat from crack in brickwork from south corner of structure.	Day Roost
Dusk Emergence survey	B113	08/06/2022	Common pipistrelle	Emergence of 6 common pipistrelle bats. A single bat from the northwest elevation, a single bat from the northeast elevation under the fascia boarding at the edge of the roof, three bats from the southern corner of the building where the roof had lifted and a single bat from the southwest elevation.	Day Roost
Dusk Emergence survey	B133	25/05/2022	Common pipistrelle Soprano pipistrelle	Emergence of 7 bats (4 x common pipistrelles and 3 soprano pipistrelles) from the south-eastern gable end roof flashing.	Day Roost
	T283	13/07/2022	Common pipistrelle	Potential re-entry of a single bat into the tree.	Potential day roost
	████	13/07/2022	Noctule	Re-entry of at least 22 bats into a hole on the underside broken branch on west side of tree.	Maternity roost

# Annex F

## **WEATHER DETAILS FOR SURVEYS**



**Table 8 – Structure Dusk Emergence and Dawn Re-entry Survey Weather Details**

Structure Reference	Survey No. & Date	Dusk/Dawn	Sunrise/sunset time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)
<b>B8</b>	1 – 24/05/2022	Dusk	21:17	Start – 21:02 End – 22:47	13 11	2 2	2 3	0 0
<b>B68</b>	1 – 24/05/2022	Dusk	21:17	Start – 21:02 End – 22:47	14 11	1 0	2 1	0 0
<b>B79</b>	1 – 18/08/2022	Dawn	05:57	Start – 04:27 End – 06:12	15 15	2 2	7 8	0 0
<b>B82</b>	1 – 26/05/2022	Dawn	04:57	Start – 03:27 End – 05:12	11 12	1 1	6 7	0 0
<b>B97</b>	1 – 26/05/2022	Dusk	21:21	Start – 21:05 End - 22:50	15 12	2 1	2 4	0 0
	2 – 09/06/2022	Dusk	21:36	Start – 21:21 End – 23:08	15 15	4 4	5 5	0 0
	3 – 23/06/2022	Dawn	04:43	Start – 03:13 End – 04:58	12 10	0 0	0 0	0 0
<b>B113</b>	1 – 18/08/2021	Dusk	20:18	Start – 20:18 End – 22:03	16 14	1 1	8 8	0 0
	2 – 25/05/2022	Dawn	04:58	Start – 03:28 End – 04:58	11 11	3 2	8 8	0 0
	3 – 08/06/2022	Dusk	21:35	Start – 21:20 End – 23:05	15 15	2 2	2 4	0 0
<b>B133</b>	1 – 25/05/2022	Dusk	21:20	Start – 21:05 End - 22:50	15 12	2 1	3 3	0 0
	2 – 09/06/2022	Dawn	04:46	Start – 03:16 End – 04:46	10 10	3 1	0 1	0 0



**Table 9 – Tree Dusk Emergence and Dawn Re-entry Survey Weather Details**

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
<b>BB_T875</b>	1 – 04/05/2022	Dusk	20:47	Start – 20:32 End – 22:17	11 10	1 1	8 8	0 0	No
	2 – 17/05/2022	Dawn	05:10	Start – 03:40 End – 05:25	13 13	2 2	7 6	0 0	No
<b>BB_T876</b>	1 – 19/05/2022	Dawn	05:07	Start – 03:37 End – 05:22	10 10	2 1	8 0	0 0	No
	2 – 07/06/2022	Dawn	04:47	Start – 03:18 End – 05:03	13 13	0 0	8 6	0 0	No
	3 – 05/07/2022	Dusk	21:41	Start – 21:26 End – 23:11	16 16	1 2	8 8	0 0	No
<b>T1</b>	1 – 30/06/2022	Dusk	21:43	Start – 21:28 End – 23:12	14 12	2 2	4 6	0 0	No
	2 – 29/07/2022	Dawn	05:24	Start – 03:54 End – 05:24	15 15	0 0	8 8	0 1	No
<b>T2</b>	1 – 30/06/2022	Dawn	04:48	Start – 03:18 End – 05:03	14 13	3 1	7 3	0 0	No
	2 – 19/07/2022	Dusk	21:27	Start – 21:12 End – 22:57	20 22	0 1	5 4	0 0	No
<b>T4</b>	1 – 30/06/2022	Dawn	04:49	Start – 03:19 End – 05:04	12 12	1 1	8 7	1 0	No
	2 – 19/07/2022	Dusk	21:26	Start – 21:08 End – 23:00	26 22	0 3	1 8	0 0	No
<b>T6</b>	1 – 02/09/2021	Dusk	19:59	Start – 19:44 End – 21:28	17 15	1 1	1 1	0 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
	2 – 28/06/2022	Dawn	04:47	Start – 03:17 End – 05:02	13 13	2 2	8 6	0 0	No
<b>T8</b>	1 – 02/09/2021	Dusk	19:59	Start – 19:44 End – 21:29	18 15	1 1	1 1	0 0	No
	2 – 28/06/2022	Dawn	04:47	Start – 03:17 End – 05:02	13 13	2 3	8 7	0 0	No
<b>T9</b>	1 – 03/09/2021	Dawn	06:22	Start - 4:52 End – 6:37	14 14	2 3	0 1	0 0	Yes
	2 – 29/06/2022	Dusk	21:43	Start – 21:27 End – 23:12	16 14	2 2	6 8	0 1	No
<b>T29</b>	1 – 28/06/2022	Dusk	21:43	Start – 21:27 End – 23:13	15 14	2 1	8 8	1 0	No
<b>T30</b>	1 – 28/06/2022	Dusk	21:43	Start – 21:27 End – 23:13	15 14	3 3	8 8	0 1	No
<b>T41</b>	1 – 14/06/2022	Dusk	21:40	Start – 21:25 End – 23:10	15 13	1 1	1 1	0 0	No
<b>T42</b>	1 – 14/06/2022	Dusk	21:40	Start – 21:25 End – 23:10	15 12	0 0	0 0	0 0	No
<b>T44</b>	1 – 07/06/2021	Dusk	21:31	Start – 21:19 End – 23:04	16 15	0 0	1 2	0 0	No
	2 – 20/07/2021	Dawn	05:09	Start – 3:39 End – 5:24	17 17	0 0	1 4	0 0	No
<b>T45</b>	1 – 16/06/2022	Dusk	21:41	Start – 21:26 End – 23:11	17 15	2 2	6 6	0 0	No
<b>T47</b>	1 – 0709/2021	Dusk	19:47	Start – 19:32	26	0	0	0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
				End – 21:17	22	0	0	0	
	2 – 11/05/2022	Dawn	05:19	Start – 03:49 End – 05:34	12 12	3 3	7 8	0 1	No
<b>T49</b>	1 – 07/09/2021	Dusk	19:47	Start – 19:32 End – 21:17	26 22	1 1	0 0	0 0	No
	2 – 10/05/2022	Dawn	05:22	Start – 03:51 End – 05:36	13 12	1 1	7 7	0 0	No
	3 – 16/08/2022	Dusk	20:57	Start – 20:22 End – 22:07	19 17	1 2	7 7	0 0	No
<b>T57</b>	1 – 24/05/2022	Dawn	04:59	Start – 03:29 End – 05:14	10 10	2 2	6 6	0 0	No
	2 – 28/06/2022	Dusk	21:42	Start – 21:28 End – 23:13	13 14	2 2	8 8	1 1	No
<b>T58</b>	1 – 25/05/2022	Dusk	21:19	Start – 21:04 End - 22:49	14 13	1 1	2 2	0 0	No
	2 – 21/07/2022	Dawn	05:11	Start – 03:41 End – 05:26	16 15	3 3	6 7	0 0	No
<b>T68</b>	1 – 05/05/2022	Dusk	20:47	Start – 20:28 End – 22:47	15 13	2 5	7 7	0 0	No
	2 – 14/07/2022	Dawn	05:01	Start – 03:31 End – 05:16	12 13	2 2	5 7	0 0	No
<b>T70</b>	1 - 10/05/2022	Climb as visit	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	2 - 17/05/2022	Dawn	05:06	Start – 03:30 End – 05:20	12 11	1 1	1 1	0 0	No
<b>T73</b>	1 - 06/10/2021	Dusk	18:37	Start – 18:22	14	1	8	1	Yes

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
				End – 20:07	14	1	8	0	
	2 - 04/05/2022	Dusk	20:45	Start – 20:30 End – 22:15	12 11	3 4	8 8	0 0	No
	3 - 05/07/2022	Dawn	04:52	Start – 03:22 End – 05:07	14 13	2 1	7 2	0 0	No
<b>T76</b>	1 - 21/06/2022	Dusk	21:42	Start – 21:27 End – 23:12	17 15	4 3	0 0	0 0	No
	2 - 13/07/2022	Dawn	05:01	Start – 03:31 End – 05:16	17 16	3 3	7 7	0 0	No
<b>T81</b>	1 - 22/06/2022	Dusk	21:42	Start – 21:27 End – 23:12	20 16	2 1	1 0	0 0	No
	2 - 14/07/2022	Dawn	05:02	Start – 03:29 End – 05:17	12 13	1 2	7 7	0 0	No
<b>T84</b>	1 - 07/10/2021	Dawn	07:23	Start - 5:53 End - 7:23	15 14	1 1	7 5	0 0	Yes
	2 - 04/05/2022	Dusk	20:46	Start – 20:31 End – 22:16	12 11	2 2	8 8	0 0	No
	3 – 22/09/2022	Dawn	06:57	Start – 05:27 End – 07:12	12 12	2 3	7 5	0 0	No
<b>T85</b>	1 – 21/06/2022	Dusk	21:42	Start – 21:27 End – 23:12	18 15	4 3	0 0	0 0	No
	2 - 12/07/2022	Dawn	04:49	Start – 03:31 End – 05:08	20 19	2 2	8 8	0 0	No
<b>T87</b>	1 – 16/06/2021	Dusk	21:40	Start - 21:25 End – 23:10	18 14	5 1	8 8	0 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
	2 – 21/07/2021	Dawn	05:10	Start - 3:40 End – 5:25	14 15	0 0	0 0	0 0	No
	3 – 23/09/2021	Dusk	20:02	Start - 18:54 End – 20:39	17 15	3 1	4 3	0 0	Yes
<b>T88</b>	1 – 06/08/2021	Dusk	20:57	Start - 20:40 End – 22:30	17 12	4 4	5 6	0 0	No
	2 – 19/08/2021	Dusk	20:25	Start - 20:10 End – 22:00	17 15	1 1	6 7	0 0	No
	3 – 07/06/2022	Dawn	04:47	Start – 03:17 End –05:02	11 12	1 1	8 8	0 0	No
<b>T91</b>	1 – 19/08/2021	Dusk	20:25	Start - 20:10 End – 22:00	17 15	1 1	6 7	0 0	No
	2 – 07/06/2022	Dawn	04:47	Start – 03:17 End –05:02	12 12	1 1	8 7	0 0	No
<b>T93</b>	1 – 15/06/2022	Dusk	21:41	Start – 21:25 End –23:41	15 13	2 1	1 1	0 0	No
<b>T94</b>	1 – 19/08/2021	Dusk	20:25	Start - 20:10 End – 22:00	17 15	1 1	6 7	0 0	No
	2 – 14/06/2022	Dawn	04:44	Start – 03:14 End – 04:59	9 8	2 1	3 3	0 0	No
	3 – 06/07/2022	Dusk	21:40	Start – 21:25 End – 23:10	18 17	4 4	8 8	0 0	No
<b>T97</b>	1 – 12/08/2021	Dusk	20:15	Start – 20:30 End – 22:15	18 17	2 3	6 8	0 0	No
<b>T99</b>	1 - 12/08/2021	Dusk	20:15	Start – 20:30	18	2	6	0	No



Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
				End – 22:15	17	3	8	0	
<b>T100</b>	1 - 12/08/2021	Dusk	20:15	Start – 20:30 End – 22:15	18 17	2 3	6 8	0 0	No
<b>T101</b>	1 - 12/08/2021	Dusk	20:15	Start – 20:30 End – 22:15	18 17	2 3	6 8	0 0	No
<b>T102</b>	1 – 16/06/2021	Dawn	04:44	Start – 3:13 End – 5:00	14 11	0 0	1 6	0 0	No
	2 – 21/07/2021	Dusk	21:24	Start – 21:10 End – 23:08	23 20	1 1	0 0	0 0	No
	3 – 17/08/2021	Dusk	20:36	Start – 20:21 End – 22:06	16 16	3 4	8 8	0 2	No
<b>T105</b>	1 – 05/10/2021	Dusk	18:40	Start – 18:25 End – 20:10	13 12	6 6	2 4	0 0	No
<b>T109</b>	1 – 11/05/2022	Dusk	20:57	Start – 20:42 End – 22:27	12 11	0 0	4 3	0 0	No
	2 – 29/06/2022	Dawn	04:47	Start – 03:17 End – 05:02	13 13	1 1	8 9	1 1	No
<b>T110</b>	1 – 11/05/2022	Dusk	20:57	Start – 20:42 End – 22:27	12 12	5 5	2 3	0 0	No
	2 – 29/06/2022	Dawn	04:47	Start – 03:17 End – 05:02	13 13	3 2	7 7	0 0	No
<b>T111</b>	1 – 11/05/2022	Dusk	20:57	Start – 20:42 End – 22:27	13 11	1 1	2 1	0 0	No
	2 – 29/06/202	Dawn	04:47	Start – 03:17 End – 05:02	14 13	0 0	7 8	1 2	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
	3 – 17/08/2022	Dawn	05:55	Start – 04:25 End: 06:10	15 15	2 2	8 8	1 1	No
T116	1 – 08/06/2021	Dusk	21:35	Start – 21:20 End - 23:05	22 15	1 1	2 1	0 0	No
	2 – 23/06/2021	Dawn	04:45	Start - 3:15 End – 5:00	9 7	1 1	0 0	0 0	No
T117	1 – 08/06/2021	Dusk	21:35	Start – 21:20 End – 23:05	18 16	1 1	0 0	0 0	No
	2 – 23/06/2021	Dawn	04:45	Start – 3:15 End – 5:00	9 10	1 1	5 5	0 0	No
T118	1 – 08/06/2021	Dusk	21:35	Start – 21:20 End – 23:05	16 12	1 1	0 0	0 0	No
	2 – 23/06/2021	Dawn	04:45	Start – 3:15 End – 5:00	8 8	0 0	0 0	0 0	No
T137	1 – 04/08/2022	Dawn	05:33	Start – 04:03 End – 05:48	15 15	2 3	7 7	0 0	No
	2 – 25/08/2022	Dusk	20:16	Start – 20:01 End – 21:46	17 15	2 2	3 1	0 0	No
T144	1 – 23/06/2022	Dawn	04:44	Start – 03:14 End – 04:59	10 11	2 1	0 0	0 0	No
	2 – 05/07/2022	Dusk	21:40	Start – 21:25 End – 23:10	16 16	0 0	7 8	0 0	No
T145	1 – 23/06/2022	Dawn	04:44	Start – 03:14 End – 04:59	12 11	1 1	1 0	0 0	No
	2 – 05/07/2022	Dusk	21:39	Start – 21:25	16	1	7	0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
				End – 23:10	16	1	8	0	
<b>T147</b>	1 – 18/05/2022	Dusk	21:08	Start – 20:53 End – 22:38	14 13	4 4	7 7	1 0	No
	2 – 07/07/2022	Dawn	04:53	Start – 03:24 End – 05:08	14 14	4 4	8 8	0 0	No
<b>T148</b>	1 – 17/05/2022	Dusk	21:07	Start – 20:52 End – 22:37	15 13	3 1	5 1	1 0	No
	2 – 06/07/2022	Dawn	04:52	Start – 03:23 End – 05:08	16 16	1 2	8 8	0 0	No
<b>T149</b>	1 – 17/05/2022	Dusk	21:07	Start – 20:52 End – 22:37	15 13	3 4	5 4	1 0	No
	2 – 06/07/2022	Dawn	04:53	Start – 03:23 End – 05:08	16 15	2 4	7 8	0 0	No
<b>T152</b>	1 – 17/05/2022	Dusk	21:07	Start – 20:52 End – 22:37	17 14	4 2	5 4	0 0	No
	2 – 06/07/2022	Dawn	04:53	Start – 03:23 End – 05:08	16 15	4 4	8 8	0 0	No
<b>T159</b>	1 – 10/06/2021	Dawn	04:46	Start – 03:16 End – 05:01	18 17	0 1	7 7	0 0	No
	2 – 15/07/2021	Dusk	21:32	Start – 21:17 End – 23:02	20 13	1 1	0 0	0 0	No
	3 – 23/08/2021	Dusk	20:23	Start – 20:08 End – 21:53	17 18	3 2	4 4	0 0	No
<b>T164</b>	1 - 18/05/2022	Dusk	21:08	Start – 20:53 End – 22:38	14 13	4 3	8 4	0 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
	2 - 07/07/2022	Dawn	04:54	Start – 03:24 End – 05:09	15 14	4 3	8 8	1 0	No
<b>T165</b>	1 - 18/05/2022	Dusk	21:08	Start – 20:53 End – 22:38	16 13	3 4	8 7	1 0	No
	2 - 07/07/2022	Dawn	04:54	Start – 03:24 End – 05:09	14 14	3 3	8 8	1 0	No
<b>T166</b>	1 - 02/08/2021	Dusk	21:00	Start – 20:45 End – 22:40	13 13	2 2	8 8	0 0	No
	2 – 18/05/2022	Dawn	05:08	Start – 03:38 End – 05:12	11 10	1 1	2 1	0 0	No
	3 – 15/08/2022	Dusk	20:39	Start – 20:24 End – 22:09	19 18	1 1	7 8	1 0	No
<b>T167</b>	1 – 29/06/21	Dusk	21:43	Start – 21:28 End – 23:13	17 16	1 1	6 8	0 0	No
	2 – 03/08/2021	Dawn	05:30	Start – 4:00 End – 5:46	10 8	1 1	8 8	0 0	No
<b>T168</b>	1 - 02/08/2021	Dusk	21:00	Start – 20:45 End – 22:40	14 13	2 2	8 8	0 0	No
	2 – 12/07/2022	Dusk	21:35	Start – 21:20 End – 23:05	22 20	2 1	6 6	0 0	No
	3 – 04/08/2022	Dawn	05:33	Start – 04:33 End – 05:48	16 15	1 1	7 3	0 0	No
<b>T169</b>	1 - 02/08/2021	Dusk	21:00	Start – 20:45 End – 22:40	14 13	2 2	8 8	0 0	No
<b>T170</b>	1 - 02/08/2021	Dusk	21:00	Start – 20:45	14	2	8	0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
				End – 22:40	13	2	8	0	
<b>T171</b>	1 - 03/08/2021	Dusk	21:04	Start – 20:49 End – 22:34	17 16	2 2	3 6	0 0	No
<b>T172</b>	1 - 03/08/2021	Dusk	21:04	Start – 20:49 End – 22:34	17 16	2 2	3 6	0 0	No
	2 – 19/05/2022	Dawn	05:06	Start – 03:36 End – 05:21	10 9	1 1	5 4	0 0	No
<b>T173</b>	1 - 03/08/2021	Dusk	21:04	Start – 20:45 End – 22:30	17 16	2 2	3 6	0 0	No
	2 – 18/05/2022	Dawn	05:07	Start – 03:37 End – 05:11	11 10	1 1	0 1	0 0	No
<b>T174</b>	1 - 03/08/2021	Dusk	21:04	Start – 20:45 End – 22:30	17 16	2 2	3 6	0 0	No
	2 – 18/05/2022	Dawn	05:07	Start – 03:37 End – 05:11	11 10	1 1	0 1	0 0	No
<b>T175</b>	1 - 04/08/2021	Dawn	05:33	Start – 04:00 End – 05:48	11 11	1 1	3 2	0 0	No
	2 – 19/05/2022	Dusk	21:10	Start – 20:55 End – 22:40	15 13	1 1	7 7	0 0	No
<b>T190</b>	1 – 15/06/2022	Dusk	21:41	Start – 21:26 End – 23:11	15 13	2 2	1 1	0 0	No
	2 – 29/07/2022	Dawn	05:23	Start – 03:33 End – 05:38	15 14	1 1	8 8	0 0	No
	3 – 15/08/2022	Dusk	20:40	Start – 20:25 End – 22:10	18 17	1 0	7 7	1 0	No



Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
<b>T193</b>	1 – 12/08/2021	Dusk	20:15	Start – 20:30 End – 22:15	18 18	3 3	7 8	0 0	No
	2 – 23/09/2021	Dawn	06:58	Start – 5:28 End – 7:13	17 17	0 0	8 8	0 1	Yes
<b>T197</b>	1 – 19/05/2022	Dawn	05:06	Start – 03:36 End – 05:21	10 9	3 2	5 3	0 0	No
	2 – 14/07/2022	Dusk	21:32	Start – 21:17 End – 23:02	16 14	2 2	3 1	0 0	No
<b>T198</b>	1 – 24/05/2021	Dusk	21:18	Start – 21:03 End – 22:48	11 10	2 1	8 8	0 0	No
	2 – 26/07/2021	Dusk	21:17	Start – 21:03 End – 22:48	18 17	0 0	3 3	0 0	No
	3 – 22/09/2021	Dawn	06:57	Start – 5:27 End – 7:12	10 9	1 1	4 5	0 0	No
<b>T200</b>	1 – 26/07/2021	Dusk	21:17	Start – 21:03 End – 22:48	17 16	1 1	1 1	0 0	No
	2 – 22/09/2021	Dawn	06:57	Start – 5:27 End – 7:12	11 9	1 1	1 1	0 0	Yes
<b>T201</b>	1 – 24/05/2021	Dusk	21:18	Start – 21:02 End – 22:47	11 11	3 2	4 7	0 0	No
	2 – 27/07/2021	Dawn	05:19	Start – 3:55 End – 5:34	16 15	0 0	8 8	0 0	No
<b>T203</b>	1 – 25/05/2021	Dusk	21:18	Start – 21:04 End – 22:49	11 11	2 1	8 7	0 0	No
	2 – 27/07/2021	Dawn	05:19	Start – 3:55	15	1	7	0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
				End – 5:34	15	1	1	0	
<b>T204</b>	1 – 14/06/2021	Dusk	21:40	Start – 21:25 End – 23:10	15 13	0 0	0 0	0 0	No
	2 – 28/07/2021	Dawn	05:19	Start – 3:51 End – 5:37	20 18	4 2	8 8	1 0	No
<b>T205</b>	1 – 26/07/2021	Dusk	21:17	Start – 21:07 End – 22:47	20 17	2 3	6 7	0 0	No
<b>T206</b>	1 – 25/05/2021	Dusk	21:18	Start – 21:04 End – 22:49	13 13	4 4	8 8	0 0	No
	2 – 28/07/2021	Dawn	05:19	Start – 3:51 End – 5:26	16 15	3 2	8 8	1 0	No
<b>T214</b>	1 – 04/08/2021	Dusk	21:00	Start – 20:46 End – 22:31	18 17	1 1	6 7	0 0	No
<b>T215</b>	1 – 04/08/2021	Dusk	21:00	Start – 20:45 End – 22:30	18 17	1 1	6 7	0 0	No
	2 – 08/06/2022	Dawn	04:47	Start – 03:17 End – 05:02	14 14	2 1	7 6	0 0	No
<b>T216</b>	1 - 04/08/2021	Dusk	21:00	Start – 20:45 End – 22:30	18 17	1 1	6 7	0 0	No
<b>T217</b>	1 – 04/08/2021	Dusk	21:00	Start – 20:45 End – 22:30	18 17	1 1	6 7	0 0	No
<b>T218</b>	1 – 04/08/2021	Dusk	21:00	Start – 20:45 End – 22:30	18 17	1 1	6 7	0 0	No
<b>T219</b>	1 – 04/08/2021	Dusk	21:00	Start – 20:45 End – 22:30	18 17	1 1	6 7	0 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
	2 – 10/05/2022	Climb as visit	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	3 – 03/08/2022	Dawn	05:31	Start – 04:01 End – 05:46	18 17	3 2	5 4	0 0	No
<b>T220</b>	1 – 04/08/2021	Dusk	21:00	Start – 20:45 End – 22:30	18 17	1 1	6 7	0 0	No
	2 – 03/08/2022	Dawn	05:35	Start – 04:01 End – 05:46	18 17	3 2	3 4	0 0	No
	3 – 22/08/2022	Dusk	20:35	Start – 20:20 End – 21:54	20 17	0 0	5 7	0 0	No
<b>T222</b>	1 – 08/06/2022	Dusk	21:36	Start – 21:21 End – 23:06	15 14	1 1	2 3	0 0	No
	2 – 19/07/2022	Dawn	05:08	Start – 03:38 End – 05:13	23 21	0 0	1 1	0 0	No
<b>T223</b>	1 – 07/07/2022	Dusk	21:38	Start – 21:23 End – 23:08	17 15	2 1	3 1	0 0	No
	2 – 21/07/2022	Dawn	05:11	Start – 04:41 End – 05:26	15 15	3 3	8 8	0 0	No
<b>T225</b>	1 – 03/08/2022	Dawn	05:51	Start – 04:01 End – 05:46	18 17	4 4	2 2	0 0	No
	2 – 22/08/2022	Dusk	20:25	Start – 20:10 End – 21:55	18 16	2 1	4 4	0 0	No
<b>T228</b>	1 – 08/06/2022	Dusk	21:35	Start – 21:20 End – 23:05	16 13	2 1	2 4	0 0	No
<b>T230</b>	1 – 03/08/2022	Dawn	05:31	Start – 04:01 End – 05:46	17 15	3 or 4 3 or 4	1 1	0 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
	2 – 25/08/2022	Dusk	20:16	Start – 20:01 End – 21:46	16 13	2 2	1 1	0 0	No
<b>T234</b>	1 – 29/09/2021	Dusk	18:54	Start – 18:39 End – 20:09	12 10	0 0	2 5	0 0	No
	2 – 13/07/2022	Dusk	21:34	Start – 21:19 End – 23:04	15 14	2 0	2 0	0 0	No
	3 – 04/08/22	Dawn	05:33	Start – 04:03 End – 05:48	15 15	2 2	8 6	0 0	No
<b>T238</b>	1 – 13/07/2022	Dawn	05:00	Start – 03:30 End – 05:19	17 15	4 3	7 6	0 0	No
	2 – 02/08/2022	Dusk	21:05	Start – 20:50 End – 22:35	21 20	3 3	6 6	0 0	No
	3 – 23/08/2022	Dusk	20:22	Start – 20:07 End – 21:52	20 21	0 0	7 3	1 0	No
<b>T240</b>	1 – 11/08/2021	Dusk	20:50	Start – 20:35 End – 22:20	18 16	1 1	1 1	0 0	No
<b>T241</b>	1 – 11/08/2021	Dusk	20:50	Start – 20:35 End – 22:20	18 16	1 1	1 1	0 0	No
<b>T248</b>	1 – 30/06/2021	Dawn	04:47	Start – 3:08 End – 4:53	15 13	1 1	4 4	0 0	No
	2 – 19/07/2021	Dusk	21:27	Start – 21:12 End – 22:57	24 20	1 1	2 1	0 0	No
<b>T254</b>	1 – 10/05/2022  Tree inspection using endoscope.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
	2 – 04/08/2022	Dawn	05:33	Start – 04:03 End – 05:48	14 15	3 3	6 7	0 0	No
	3 – 24/08/2022	Dusk	20:20	Start – 20:48 End – 22:43	16 15	1 1	6 ?	0 0	No
<b>T255</b>	Climb as visit	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>T261</b>	1 – 02/09/2021	Dusk	19:59	Start - 19:44 End - 21:29	18 16	0 0	2 0	0 0	No
<b>T265</b>	1 – 10/05/2022	Dusk	20:57	Start – 20:41 End – 22:26	13 13	2 2	8 8	0 0	No
<b>T267</b>	1 – 13/08/2021	Dusk	20:43	Start – 20:30 End – 22:15	19 16	3 2	5 6	0 0	No
	2 – 28/09/2021	Dawn	07:07	Start – 5:37 End – 7:07	11 11	2 2	5 8	0 0	No
<b>T272</b>	1 – 16/06/2022	Dawn	04:44	Start – 03:15 End – 05:00	8 9	1 1	0 0	0 0	No
	2 – 12/07/2022	Dusk	21:36	Start – 21:19 End – 23:04	20 10	1 2	6 7	0 0	No
<b>T273</b>	1 – 16/06/2022	Dusk	21:20	Start – 21:27 End – 23:11	19 18	1 1	7 8	0 0	No
	2 – 12/07/2022	Dusk	21:36	Start – 21:19 End – 23:04	22 19	1 2	4 6	0 0	No
<b>T274</b>	1 – 16/06/2022	Dawn	04:44	Start – 03:14 End – 04:59	9 8	1 2	1 2	0 0	No
	2 – 12/07/2022	Dusk	21:36	Start – 21:20 End – 23:05	21 19	2 2	1 7	0 0	No



Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
<b>T275</b>	1 - 10/08/2021	Dusk	20:49	Start – 20:35 End - 22:20	17 16	1 1	2 2	0 0	No
	2 - 11/05/2022	Dawn	05:17	Start – 03:47 End – 05:32	12 11	1 1	5 5	0 1	No
<b>T276</b>	1 - 10/08/2021	Dusk	20:49	Start – 20:35 End – 22:20	17 16	1 1	2 2	0 0	No
	2 - 12/05/2022	Dawn	05:17	Start – 03:48 End – 05:33	8 8	1 0	1 0	0 0	No
<b>T277</b>	1 – 09/08/2021	Dawn	05:42	Start – 3:52 End – 6:00	13 12	1 1	8 8	1 0	No
	2 – 20/10/2021 Climb as visit	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>T278</b>	1 – 09/08/2021	Dawn	05:42	Start – 3:52 End – 6:00	13 12	1 1	8 8	0 0	No
	2 – 20/10/2021 Climb as visit	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>T279</b>	1 – 09/08/2021	Dawn	05:42	Start – 3:52 End – 6:00	13 12	1 1	8 8	0 0	No
	2 – 13/07/2022	Dusk	21:33	Start – 21:18 End – 23:03	17 14	1 1	2 1	0 0	No
<b>T283</b>	1 – 13/07/2022	Dawn	05:00	Start – 03:31 End – 05:16	17 16	3 4	8 4	0 0	No
	2 – 04/08/2022	Dusk	21:01	Start – 20:46 End – 22:31	17 15	2 2	2 3	0 0	No
	3 – 24/08/2022	Dusk	21:19	Start – 20:04	17	0	6	0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
				End – 21:49	16	0	7	0	
<b>T284</b>	1 – 12/07/2022	Dusk	21:35	Start – 21:20 End – 23:05	22 19	2 2	4 4	0 0	No
	2 – 25/08/2022	Dawn	06:09	Start – 04:39 End – 06:24	15 15	2 2	8 4	0 0	No
<b>T286</b>	1 – 14/06/2022	Dawn	04:44	Start – 03:15 End – 05:00	9 8	1 1	0 1	0 0	No
	2 – 13/07/2022	Dusk	21:33	Start – 21:18 End – 23:03	17 14	2 2	2 1	0 0	No
<b>T288</b>	1 – 23/08/2021	Dusk	20:20	Start – 20:00 End – 21:50	20 18	1 1	3 4	0 0	No
	2 – 30/06/2022	Dawn	04:48	Start – 03:18 End – 05:03	12 11	0 0	8 8	1 0	No
<b>T292</b>	1 – 22/06/2022	Dawn	04:45	Start – 03:14 End – 04:59	13 12	2 1	1 2	0 0	No
	2 – 14/07/2022	Dusk	21:31	Start – 21:17 End – 23:02	16 14	3 0	3 3	0 0	No
<b>T293</b>	1 – 22/06/2022	Dawn	04:45	Start – 03:14 End – 04:59	13 13	1 1	0 1	0 0	No
	2 – 14/07/2022	Dusk	21:31	Start – 21:17 End – 23:02	17 14	2 1	3 2	0 0	No
<b>T295</b>	1 – 11/08/2021	Dawn	05:44	Start - 4:02 End – 5:50	14 12	2 3	8 7	0 0	No
	2 – 23/09/2021	Dusk	19:07	Start – 18:52 End – 20:37	16 16	2 1	5 8	0 0	Yes

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
<b>T296</b>	1 – 11/08/2021	Dawn	05:44	Start - 4:15 End – 6:00	13 13	1 1	2 1	0 0	No
	2 – 29/09/2021	Dusk	18:54	Start – 18:39 End – 20:24	12 9	2 0	6 5	0 0	Yes
<b>T297</b>	1 – 11/08/2021	Dawn	05:44	Start – 4:15 End – 6:00	13 13	1 1	2 1	0 0	No
	2 – 19/05/2022	Dusk	21:10	Start – 20:55 End – 22:40	15 13	3 3	4 7	0 0	No
<b>T302</b>	1 –13/06/2022	Dusk	21:39	Start – 21:24 End – 23:09	14 12	0 0	1 1	0 0	No
	2 – 14/07/2022	Dawn	05:02	Start – 03:52 End – 05:17	12 13	2 2	7 8	0 0	No
<b>T304</b>	1 – 13/06/2022	Dusk	21:39	Start – 21:24 End – 23:09	14 12	0 0	1 1	0 0	No
	2 – 14/07/2022	Dawn	05:02	Start – 03:32 End – 05:17	12 13	2 2	8 7	0 0	No
<b>T309</b>	1 – 14/06/2022	Dusk	21:40	Start – 21:25 End – 23:10	15 12	0 0	1 0	0 0	No
<b>T317</b>	1 – 15/06/2022	Dusk	21:40	Start – 03:32 End – 05:17	16 13	0 0	0 0	0 0	No
	2 – 14/07/2022	Dawn	05:02	Start – 03:32 End – 05:17	13 13	0 1	8 7	0 0	No
<b>T318</b>	1 – 13/07/2022	Dawn	05:00	Start – 03:50 End – 05:15	17 16	1 2	8 8	1 0	No
	2 – 02/08/2022	Dusk	21:05	Start – 20:50	22	4	6	0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
				End – 22:35	20	3	6	0	
	3 – 23/08/2022	Dusk	20:20	Start – 20:05 End – 21:50	20 19	2 1	8 7	0 0	No
<b>T321</b>	1 – 13/07/2022	Dawn	05:00	Start – 03:50 End – 05:15	17 16	1 2	7 7	0 0	No
	2 – 04/08/2022	Dusk	21:02	Start – 20:47 End – 22:32	15 13	1 1	1 2	0 0	No
	3 – 23/08/2022	Dusk	22:02	Start – 20:05 End – 21:50	20 19	1 1	6 4	1 0	No
<b>T324</b>	1 – 10/05/2022	Dusk	20:55	Start – 20:40 End – 22:25	14 13	2 2	3 5	0 0	No
	2 - 14/07/2022	Dawn	05:01	Start – 03:29 End – 05:16	12 13	1 2	7 7	0 0	No
	3 - 17/08/2022	Dusk	20:35	Start – 20:20 End – 22:05	18 16	1 1	8 8	0 0	No
<b>T325</b>	1 – 10/08/2021	Dusk	20:49	Start – 20:30 End – 22:22	17 15	1 1	7 7	0 0	No
	2 – 23/06/2022	Dawn	04:44	Start – 03:14 End – 04:59	12 12	1 1	1 1	0 0	No
	3 – 13/07/2022	Dusk	21:34	Start – 21:21 End - 23:06	16 ?	1 ?	2 ?	0 ?	No
<b>T327</b>	1 – 10/08/2021	Dusk	20:49	Start – 20:30 End – 22:22	17 15	1 1	7 7	0 0	No
	2 - 12/05/2022	Dawn	05:18	Start – 03:47 End – 05:32	9 8	1 1	1 1	0 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
<b>T329</b>	1 – 10/08/2021	Dusk	20:49	Start – 20:30 End – 22:22	17 15	1 1	7 7	0 0	No
	2 - 12/05/2022	Dawn	05:18	Start – 03:47 End – 05:32	9 9	1 1	1 1	0 0	No
<b>T331</b>	1 – 10/08/2021	Dusk	20:49	Start – 20:30 End – 22:22	17 15	1 1	7 7	0 0	No
	2 – 11/05/2022	Dusk	20:57	Start – 03:50 End – 04:30	12 11	2 2	2 3	0 2	No
<b>T332</b>	1 – 10/08/2021	Dusk	20:49	Start – 20:30 End – 22:22	17 15	1 1	7 7	0 0	No
	2 – 10/05/2022	Dawn	05:22	Start – 03:50 End – 04:30	13 12	2 2	2 2	0 0	No
<b>T336</b>	1 –08/09/2021	Dawn	06:32	Start – 5:02 End – 6:47	16 14	0 0	0 0	0 0	No
	2 – 29/06/2022	Dusk	21:42	Start – 21:27 End – 23:12	15 14	1 1	4 8	0 3	No
<b>T338</b>	1 – 08/09/2021	Dawn	06:32	Start – 5:02 End – 6:47	16 14	0 0	0 0	0 0	No
<b>T338</b>	1 – 21/07/21	Climb as visit	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	2 – 17/08/2021	Climb as visit	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>T339</b>	1 – 14/07/2021	Dusk	21:33	Start – 21:18 End – 23:03	18 15	1 1	0 0	0 0	No
	2 – 12/08/2021	Dawn	04:00	Start – 04:15 End – 06:00	11 11	2 3	7 7	0 0	No
<b>T340</b>	1 – 14/07/2021	Dusk	21:33	Start – 21:18	17	0	0	0	No



Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
				End – 23:03	15	1	1	0	
	2 – 12/08/2021	Dawn	04:00	Start – 4:15 End – 6:01	11 11	2 3	7 7	0 0	No
	3 – 21/09/2021	Dusk	19:12	Start – 18:57 End – 20:42	16 14	0 0	7 8	0 0	Yes
<b>T345</b>	1 – 09/08/2021	Dusk	20:50	Start – 20:35 End – 22:20	17 15	2 2	6 7	0 0	No
	2 – 29/09/2021	Dawn	07:10	Start – 5:39 End – 7:09	12 11	2 2	8 8	1 0	No
<b>T349</b>	1 – 09/08/2021	Dusk	20:50	Start – 20:35 End – 22:20	17 15	2 2	6 7	0 0	No
	2 – 06/10/2021	Dawn	07:10	Start – 05:51 End – 07:21	12 11	5 5	4 3	0 0	No
<b>T350</b>	1 – 09/06/2022	Dawn	04:48	Start – 03:16 End – 05:01	11 11	2 2	1 2	0 0	No
	2 – 06/07/2022	Dusk	21:40	Start – 21:25 End – 23:10	18 16	4 4	8 8	0 0	No
<b>T355</b>	1 – 07/09/2021	Dawn	06:31	Start – 5:01 End – 6:46	15 13	0 0	8 8	0 0	Yes
<b>T358</b>	1 – 30/06/2021	Dusk	21:43	Start – 21:27 End – 23:12	15 15	1 1	3 2	0 0	No
	2 – 07/09/2021	Dawn	06:31	Start – 5:01 End – 6:46	12 12	1 1	8 3	0 0	No
<b>T359</b>	1 – 07/09/2021	Dawn	06:31	Start – 5:01 End – 6:46	12 12	0 0	8 8	0 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
<b>T364</b>	1 – 07/06/2022	Dusk	21:34	Start – 21:19 End – 23:04	16 16	2 2	8 8	1 0	No
	2 – 13/07/2022	Dawn	05:00	Start – 03:38 End – 05:10	20 18	2 2	8 8	0 0	No
<b>T365</b>	1 – 07/06/2022	Dusk	21:34	Start – 21:19 End – 23:04	13 16	3 2	8 8	1 0	No
	2 – 12/07/2022	Dawn	04:59	Start – 03:29 End – 05:14	20 20	2 2	8 8	0 0	No
	3 – 16/08/2022	Dawn	05:54	Start – 04:24 End – 06:09	16 17	3 2	8 8	0 0	No
<b>T371</b>	1 – 10/05/2022	Dusk	20:55	Start – 20:43 End – 22:31	13 13	2 2	2 2	0 0	No
	2- 19/07/2022	Dawn	05:08	Start – 03:38 End – 05:23	22 22	1 2	2 2	0 0	No
	3 - 22/09/2022	Dusk	19:11	Start – 18:55 End – 20:40	14 14	0 0	7 7	1 0	No
<b>T378</b>	1 – 22/06/2022	Dusk	21:43	Start – 20:28 End – 23:12	19 16	1 1	1 1	0 0	No
	2 - 12/07/2022	Dawn	04:59	Start – 03:29 End – 05:14	20 21	1 2	7 7	0 0	No
<b>T382</b>	1 – 03/09/2021	Dawn	06:25	Start – 4:55 End - 6:30	14 14	1 1	8 8	0 0	No
	2 – 16/06/2022	Dawn	04:45	Start – 03:13 End – 05:01	9 8	0 0	1 3	0 0	No
<b>T387</b>	1 – 17/08/2021	Climb as visit	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
	2 - 22/09/2021	Dusk	19:10	Start - 18:55 End - 20:40	18 14	3 1	6 1	0 0	Yes
<b>T393</b>	1 – 16/06/2022	Dusk	21:42	Start – 21:25 End – 23:10	19 19	1 2	6 7	0 0	No
	2 – 29/07/2022	Dawn	05:23	Start – 03:54 End – 05:39	14 15	1 1	8 8	0 0	No
<b>T401</b>	1 – 09/06/2022	Dawn	04:47	Start – 03:17 End – 05:02	10 9	2 1	1 2	0 0	No
	2 – 19/07/2022	Dusk	21:26	Start – 21:11 End – 22:56	24 20	1 2	2 2	0 0	No
<b>T402</b>	1 – 14/06/2022	Dawn	04:44	Start – 03:12 End – 04:44	7 7	1 1	1 2	0 0	No
	2 – 19/07/2022	Dusk	21:26	Start – 21:12 End – 22:57	22 21	0 0	2 2	0 0	No
<b>T403</b>	1 – 28/07/2022	Dawn	05:21	Start – 03:51 End – 05:36	13 13	1 1	8 8	0 0	No
	2 – 20/09/2022	Dusk	19:14	Start – 19:00 End – 20:45	16 14	2 1	8 7	0 0	No
<b>T411</b>	1 – 10/05/2022	Climb as visit	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	2 – 28/06/2022	Dawn	04:47	Start – 03:17 End – 05:02	12 12	1 0	7 7	0 0	No
<b>T417</b>	1 – 24/08/2021	Dusk	20:23	Start – 20:08 End – 21:53	20 16	0 0	4 4	0 0	No
<b>T434</b>	1 – 21/06/2022	Dawn	04:44	Start – 03:14 End – 04:59	9 9	2 2	4 3	0 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
	2 – 05/07/2022	Dusk	21:40	Start – 21:25 End – 23:10	15 15	1 0	8 8	0 0	No
<b>T435</b>	1 – 21/06/2022	Dawn	04:44	Start – 03:14 End – 04:59	7 7	1 1	2 2	0 0	No
<b>T437</b>	1 – 15/06/2021	Dusk	21:40	Start – 21:25 End – 23:10	19 17	0 0	1 2	0 0	No
	2 – 15/07/2021	Dawn	05:02	Start – 3:32 End - 5:17	17 18	2 2	4 8	0 0	No
<b>T438</b>	1 – 15/06/2021	Dusk	21:40	Start – 21:25 End – 23:10	21 17	1 1	0 0	0 0	No
	2 – 15/07/2021	Dawn	05:02	Start - 3:32 End – 5:17	19 19	1 1	8 8	0 0	No
<b>T449</b>	1 – 12/05/2022	Dusk	20:59	Start – 20:44 End – 22:29	13 12	3 3	5 8	0 0	No
	2 - 27/07/2022	Dawn	05:20	Start – 03:50 End – 05:35	11 10	1 1	2 2	0 0	No
<b>T451</b>	1 – 12/05/2022	Dusk	20:59	Start – 20:44 End – 22:29	12 12	2 3	7 8	0 0	No
<b>T452</b>	1 - 30/06/2021	Dusk	21:42	Start – 21:27 End – 23:12	16 13	0 0	1 7	0 0	No
	2 - 15/07/2021	Dawn	05:02	Start - 3:32 End - 5:17	17 16	3 4	4 8	0 0	No
<b>T453</b>	1 -24/05/2022	Dusk	21:17	Start – 21:02 End – 22:47	14 12	2 2	2 5	0 0	No
	2 -20/07/2022	Dawn	05:09	Start – 03:39	18	3	5	0	No

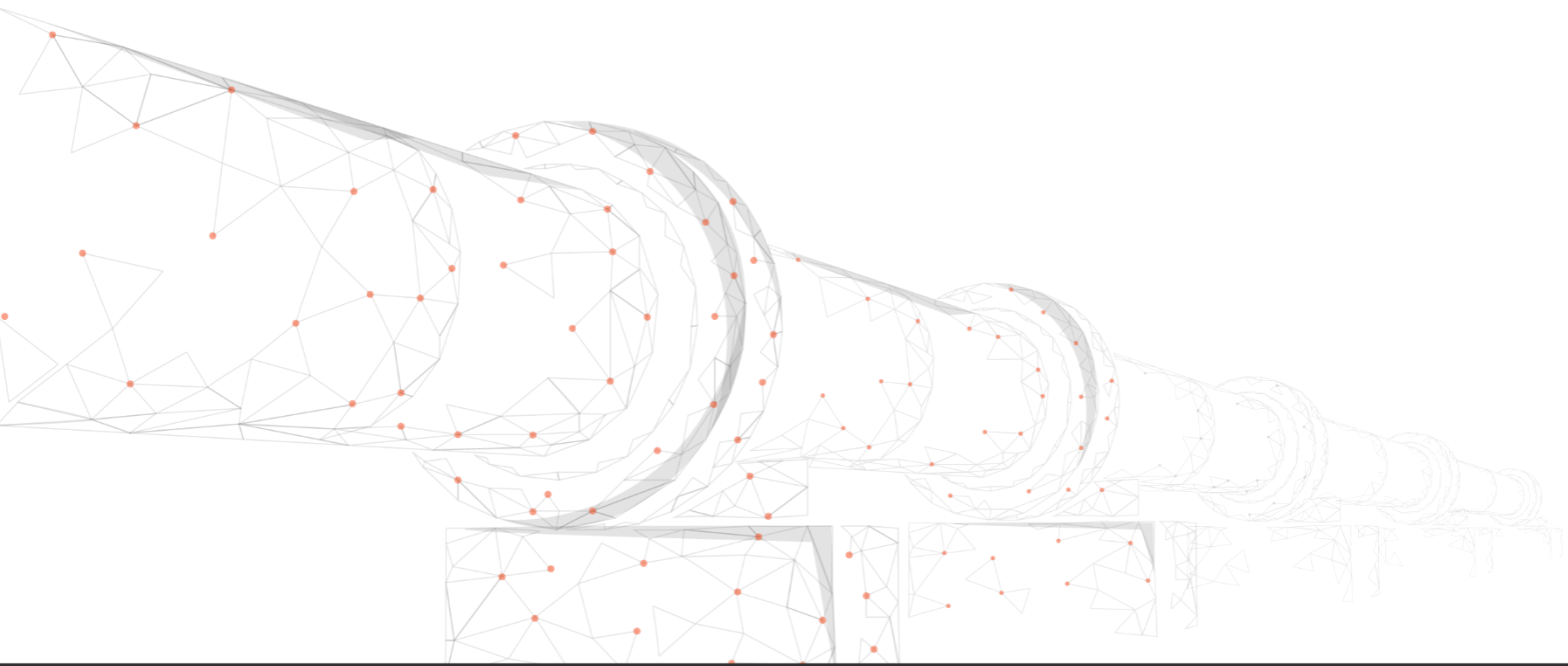
Tree ID or Tag No.	Survey No.	Dusk/Dawn	Sunrise/Sunset Time	Start/End Times	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the Infra-red Camera used?
				End – 05:24	17	4	6	0	
<b>T454</b>	1 -24/05/2022	Dusk	21:17	Start – 21:02 End – 22:47	14 11	3 1	1 2	0 0	No
	2 -20/07/2022	Dawn	05:09	Start – 03:39 End – 05:24	18 17	3 3	7 7	0 0	No
<b>T456</b>	1 – 07/10/2021	Dawn	07:23	Start – 5:53 End – 7:38	14 14	1 2	6 7	0 0	No
<b>T461</b>	1 – 08/09/2021	Dusk	19:44	Start – 19:29 End – 21:14	23 21	0 1	6 5	0 0	No
	2 – 22/06/2022	Dawn	04:45	Start – 03:15 End – 05:00	12 14	2 1	0 0	0 0	No
<b>T462</b>	1 – 08/09/2021	Dusk	19:44	Start – 19:29 End – 21:14	24 19	0 0	7 7	0 0	No
	2 – 15/06/2022	Dawn	04:44	Start – 03:15 End – 05:00	10 8.5	1 1	1 1	0 0	No
<b>T464</b>	1 – 15/06/2022	Dusk	21:41	Start – 21:26 End – 23:11	16 14	1 1	1 1	0 0	No
	2 – 29/07/2022	Dawn	05:24	Start – 03:49 End – 05:38	15 15	1 1	7 8	0 1	No
<b>T500</b>	1 – 20/07/2021	Climb as visit	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	2 – 02/08/2021	Dusk	21:00	Start- 20:45 End – 22:40	14 13	2 2	7 8	0 0	No
<b>T501</b>	1 – 20/07/2021	Climb as visit	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	2 – 03/08/2021	Dawn	05:30	Start – 04:00 End – 05:45	10 8	1 1	7 7	0 0	No





# Annex G

## **BATS STRUCTURE AND TREES PHOTO SUPPLEMENT**



**Table 11- Structure Photographs**



Photograph 1 - B1



Photograph 2 - B2



Photograph 3 - B3



Photograph 4 - B4





Photograph 5 - B6



Photograph 6 - B8



Photograph 7 - B9



Photograph 8 - B10





Photograph 9 - B11



Photograph 10 - B12



Photograph 11 - B13



Photograph 12 - B14





Photograph 13 - B15



Photograph 14 - B16



Photograph 15 - B17



Photograph 16 - B18





Photograph 17 - B19



Photograph 18 - B20



Photograph 19 - B21



Photograph 20 - B22





Photograph 21 - B23



Photograph 22 - B24



Photograph 23 - B25



Photograph 24 - B26





Photograph 25 - B27



Photograph 26 - B28



Photograph 27 - B29



Photograph 28 - B30

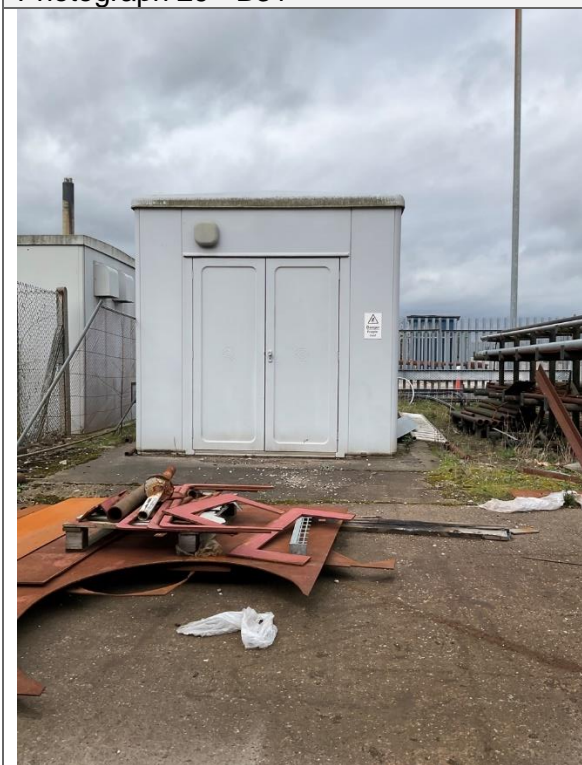




Photograph 29 - B31



Photograph 30 - B32

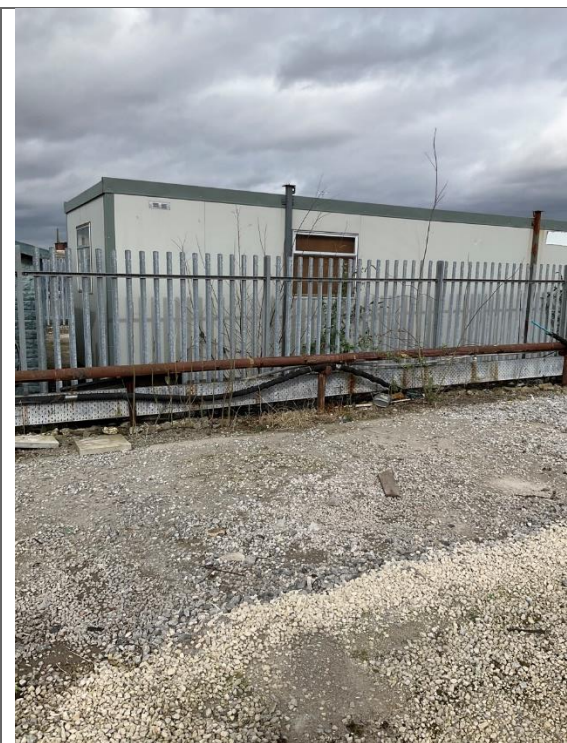


Photograph 31 - B33



Photograph 32 - B34





Photograph 33 - B35



Photograph 34 - B36



Photograph 35 - B37



Photograph 36 - B38





Photograph 37 - B39



Photograph 38 - B40



Photograph 39 - B41



Photograph 40 - B42





Photograph 41 - B43



Photograph 42 - B44



Photograph 43 - B45



Photograph 44 - B46



Photograph 45 - B47



Photograph 46 - B48



Photograph 47 - B49



Photograph 48 - B50





Photograph 49 - B51



Photograph 50 - B52



Photograph 51 - B53



Photograph 52 - B54



Photograph 53 - B55



Photograph 54 - B56



Photograph 55 - B57



Photograph 56 - B58





Photograph 57 - B59



Photograph 58 - B60



Photograph 59 - B61



Photograph 60 - B62



Photograph 61 - B63



Photograph 62 - B64



Photograph 63 - B65



Photograph 64 - B66





Photograph 65 - B67



Photograph 66 - B68



Photograph 67 - B69



Photograph 68 - B70



Photograph 69 - B71



Photograph 70 - B72



Photograph 71 - B73



Photograph 72 - B74





Photograph 73 - B75



Photograph 74 - B78



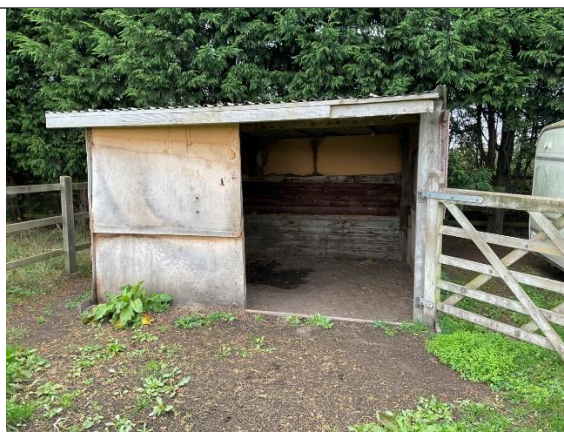
Photograph 75 - B79



Photograph 76 - B80



Photograph 77 - B81



Photograph 78 - B82



Photograph 79 - B83



Photograph 80 - B97





Photograph 81 - B98



Photograph 82 - B99



Photograph 83 - B113



Photograph 84 - B122



Photograph 85 - B123



Photograph 86 - B124





Photograph 87 - B125



Photograph 88 - B126





Photograph 89 - B127



Photograph 90 - B133





## Annex G- 1 - Tree photographs



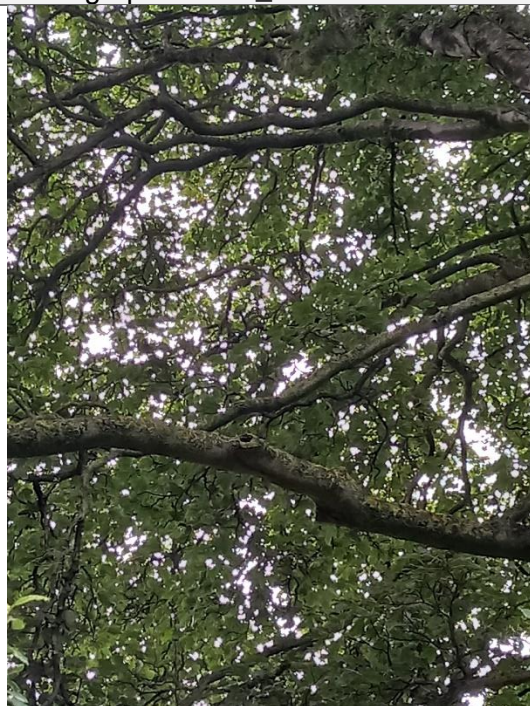
Photograph 1 – BB\_T875



Photograph 2 – BB\_T876



Photograph 3 – BB\_T874



Photograph 4 – PH\_T1





Photograph 5 – PH\_T2



Photograph 6 – PH\_T5



Photograph 7 – PH\_T7



Photograph 8 – T1





Photograph 9 – T2



Photograph 10 – T3



Photograph 11 – T4



Photograph 12 – T5

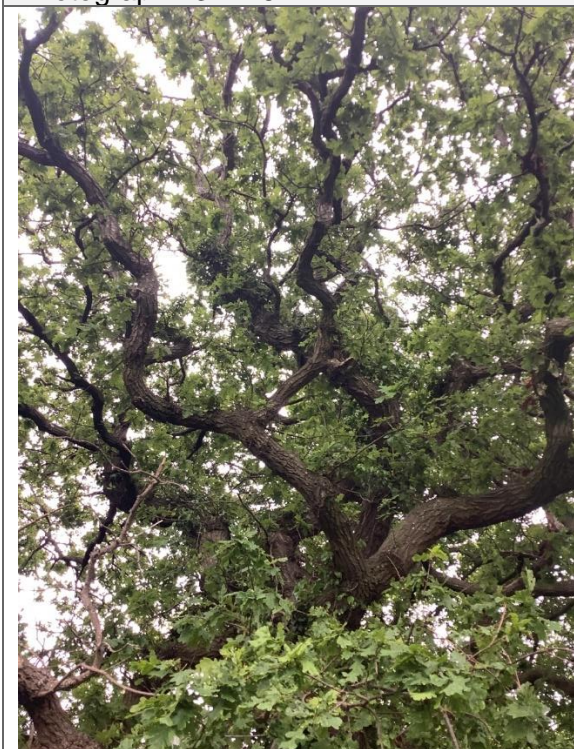




Photograph 13 – T6



Photograph 14 – T7



Photograph 15 – T8



Photograph 16 – T9





Photograph 17 - T11



Photograph 18 - T12



Photograph 19 - T13

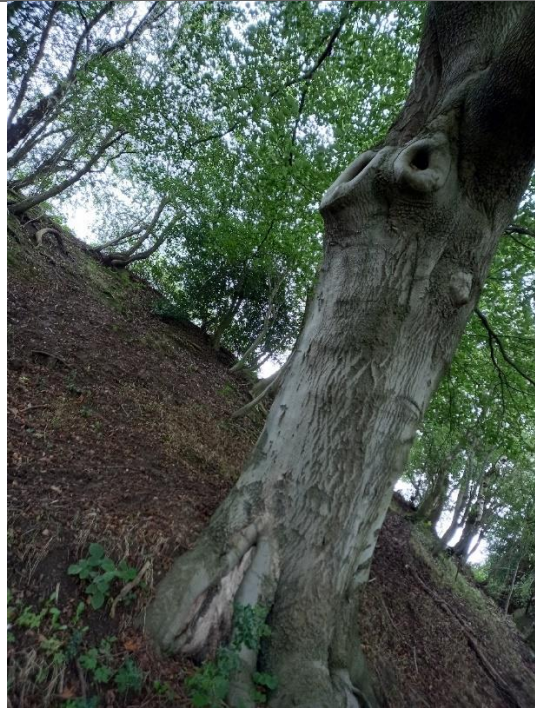


Photograph 20 - T14





Photograph 21 - T15



Photograph 22 - T16

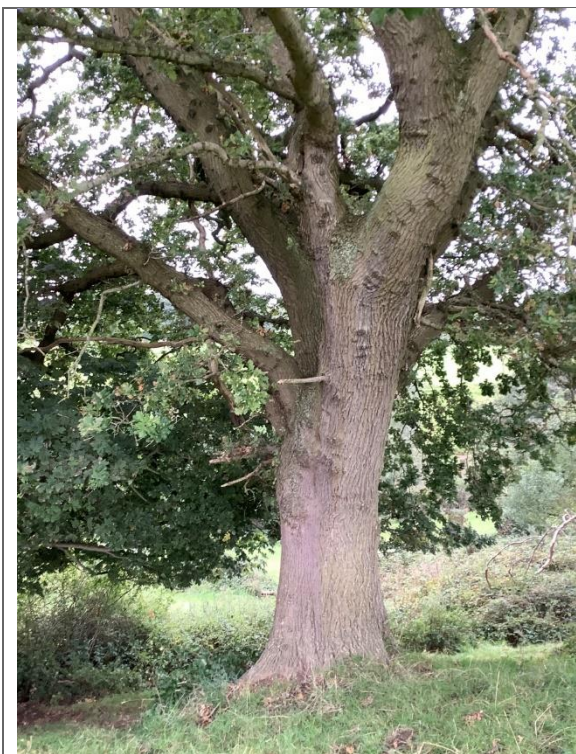


Photograph 23 - T17



Photograph 24 - T18





Photograph 25 - T19



Photograph 26 - T20

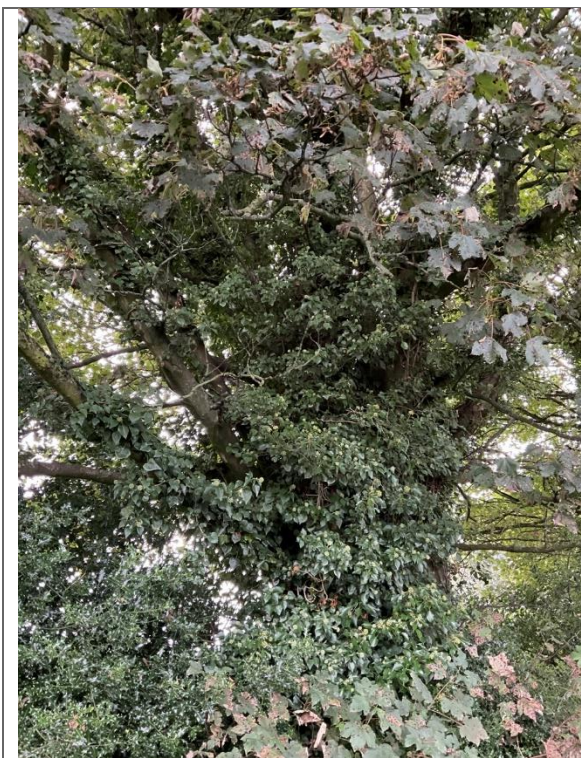


Photograph 27 - T21



Photograph 28 - T22

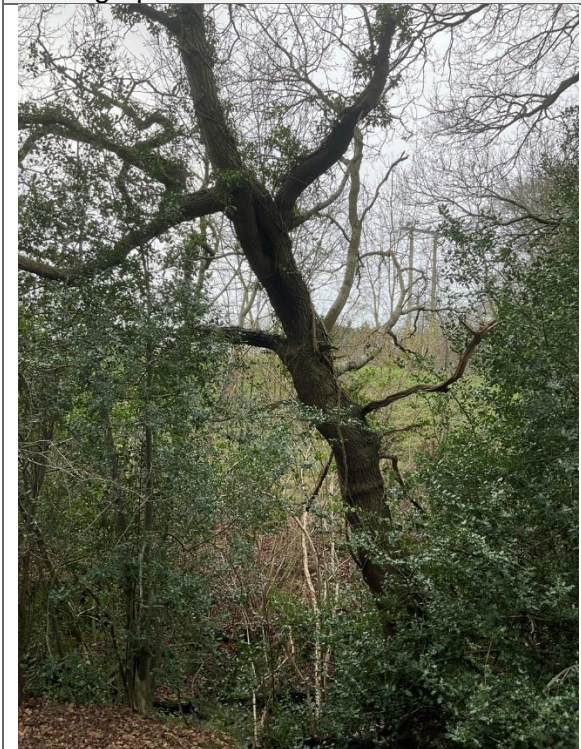




Photograph 29 - T23



Photograph 30 - T24



Photograph 31 - T25



Photograph 32 - T26





Photograph 33 - T27



Photograph 34 - T28



Photograph 35 - T29



Photograph 36 - T30





Photograph 37 - T31



Photograph 38 - T32



Photograph 39 - T33



Photograph 40 - T34





Photograph 41 - T35



Photograph 42 - T36



Photograph 43 - T37



Photograph 44 - T38





Photograph 45 - T39



Photograph 46 - T40



Photograph 47 – T41



Photograph 48 - T42





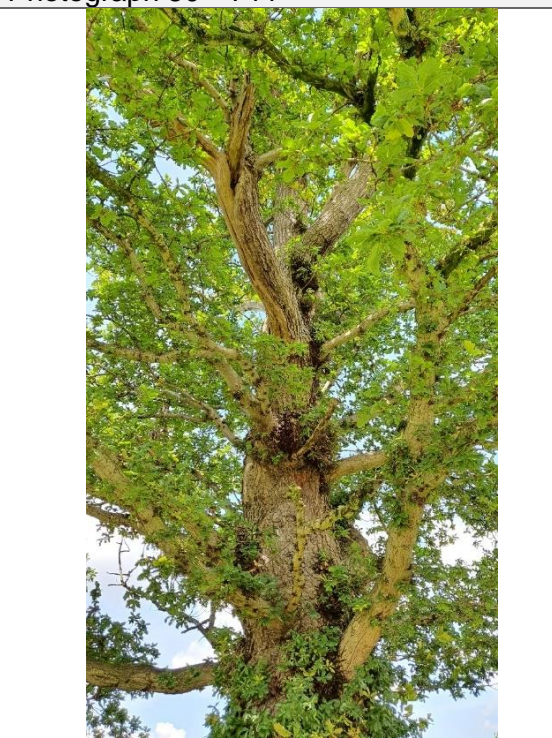
Photograph 49 - T43



Photograph 50 - T44

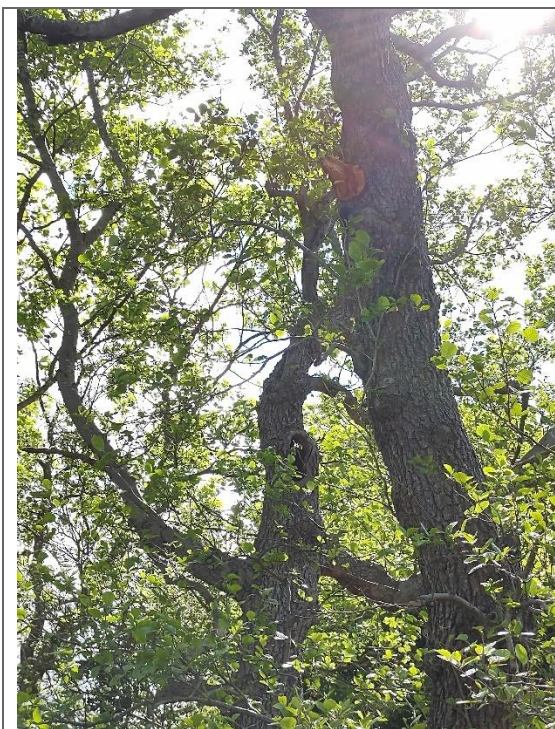


Photograph 51 - T45

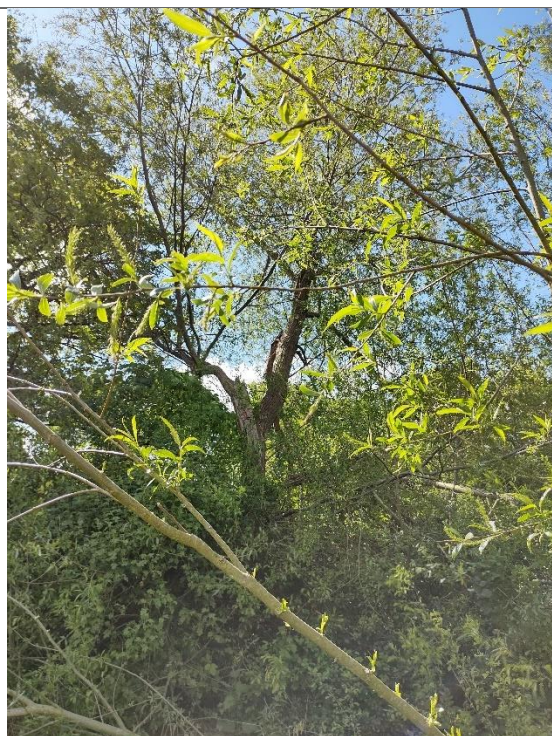


Photograph 52 - T46

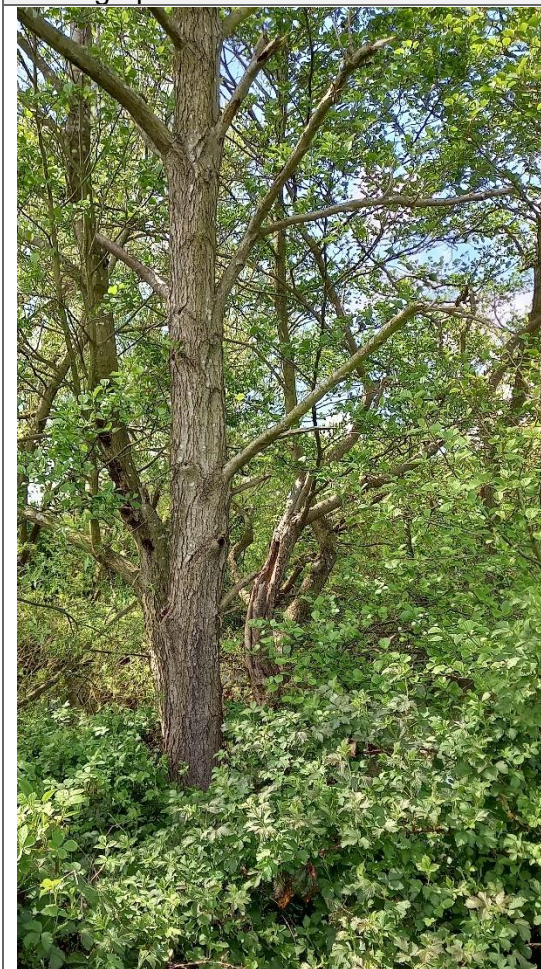




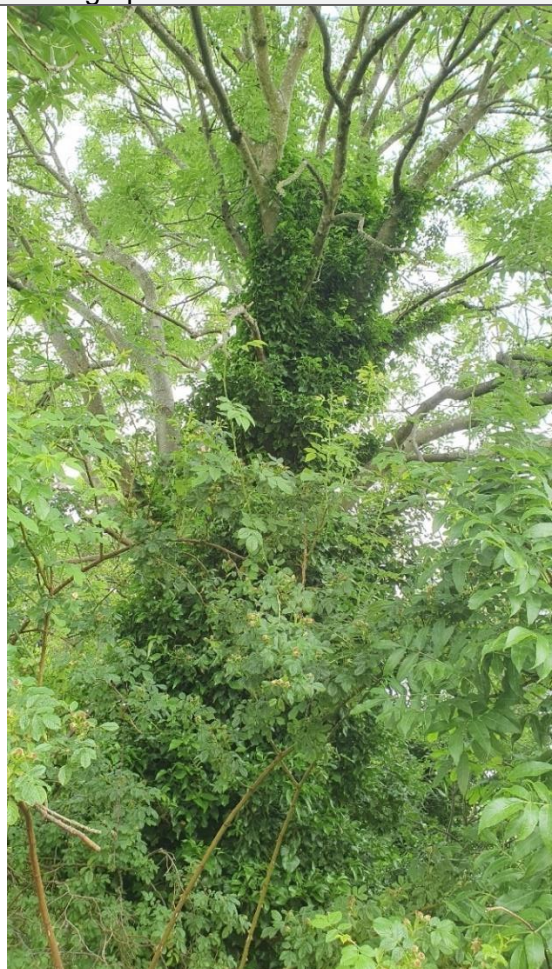
Photograph 53 - T47



Photograph 54 - T48



Photograph 55 - T49



Photograph 56 - T50





Photograph 57 - T52



Photograph 58 - T53



Photograph 59 - T54



Photograph 60 - T55





Photograph 61 - T56



Photograph 62 - T57



Photograph 63 - T58

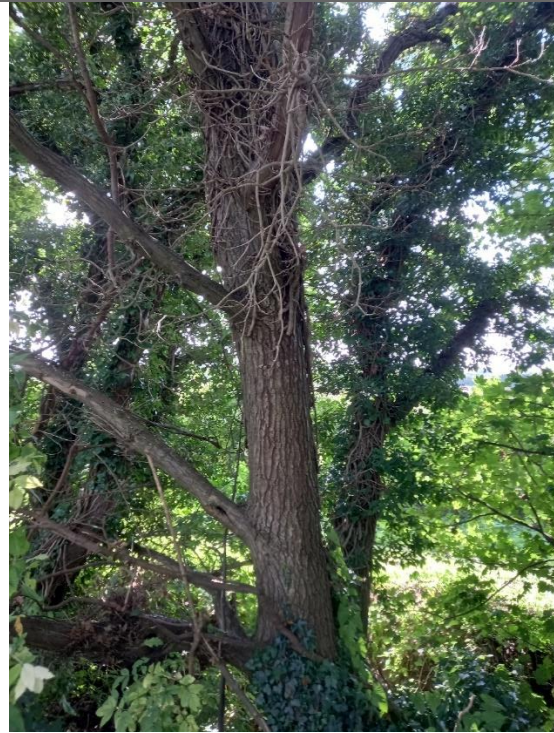


Photograph 64 - T59





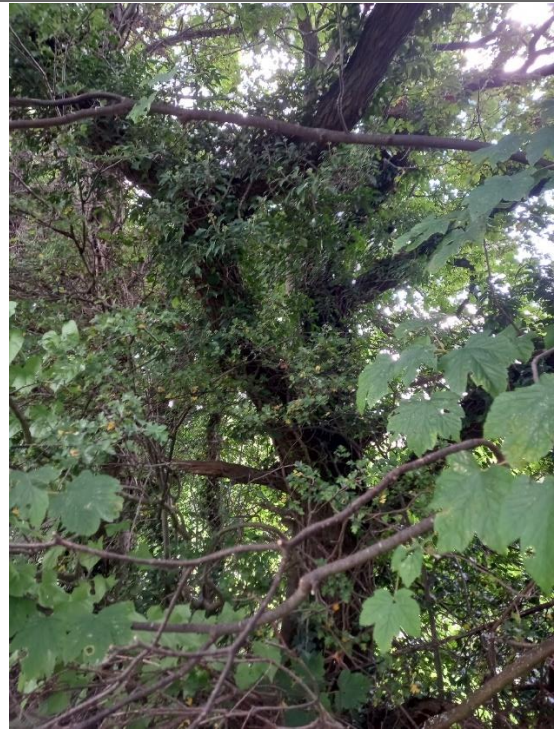
Photograph 65 - T60



Photograph 66 - T61

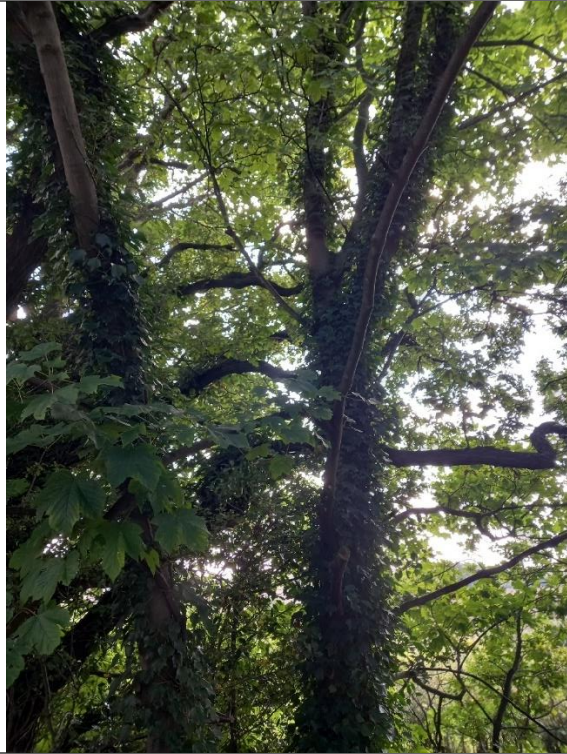


Photograph 67 - T62

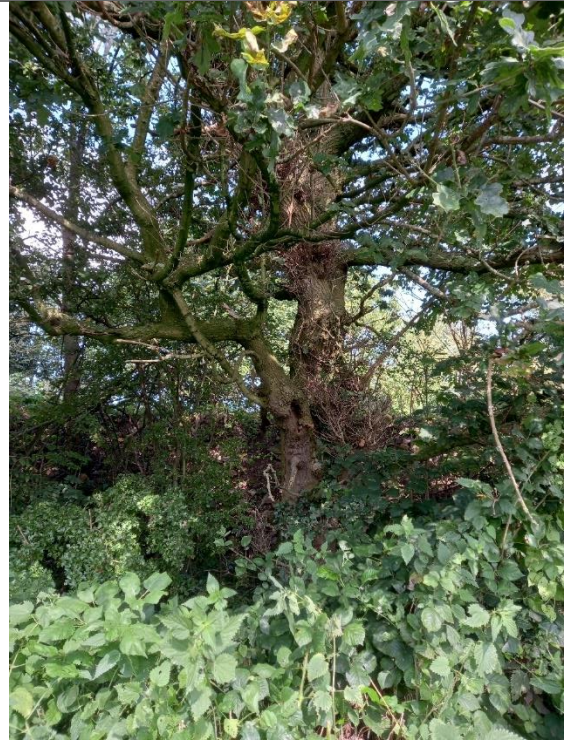


Photograph 68 - T63

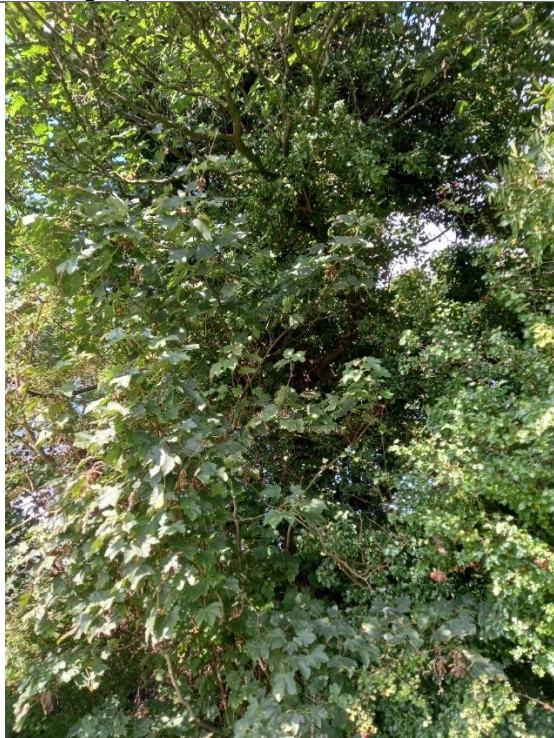




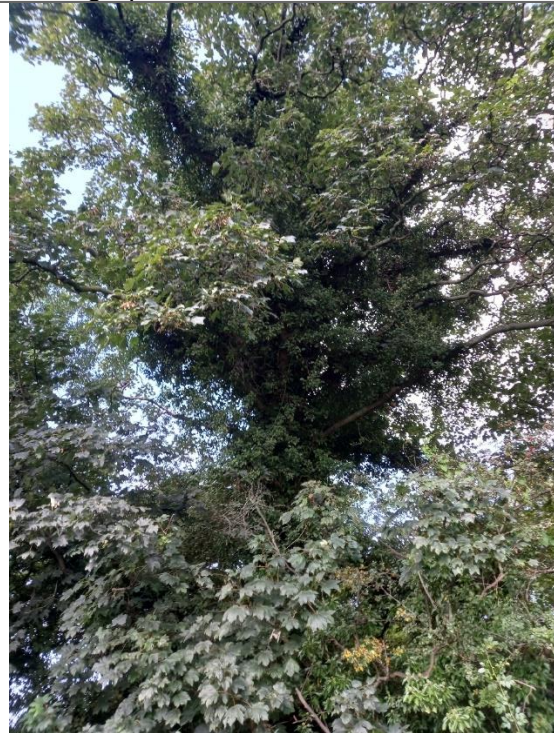
Photograph 69 - T64



Photograph 70 - T65



Photograph 71 - T66



Photograph 72 - T67





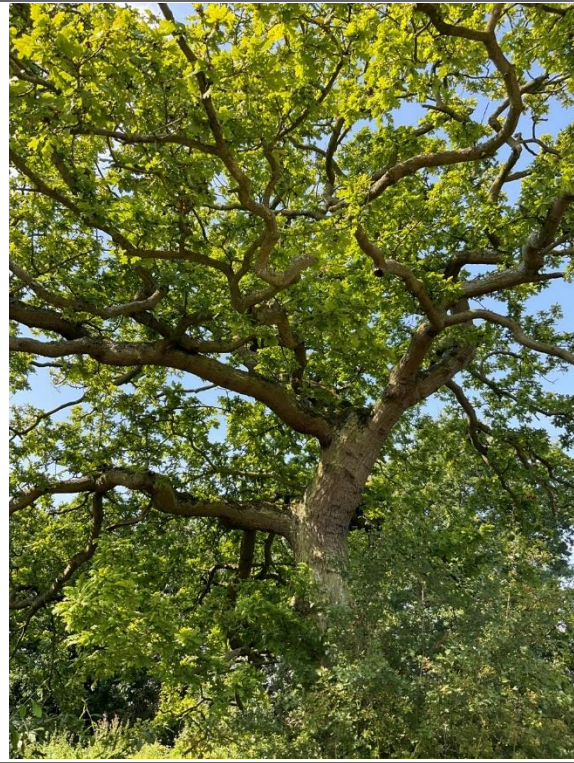
Photograph 73 - T68



Photograph 74 - T69



Photograph 75 - T70



Photograph 76 - T71





Photograph 77 - T72



Photograph 78 - T73



Photograph 79 - T74



Photograph 80 - T75





Photograph 81 - T76



Photograph 82 - T77



Photograph 83 - T81



Photograph 84 - T82





Photograph 85 - T84



Photograph 86 - T85



Photograph 87 - T86



Photograph 88 - T88





Photograph 89 - T89



Photograph 90 - T90

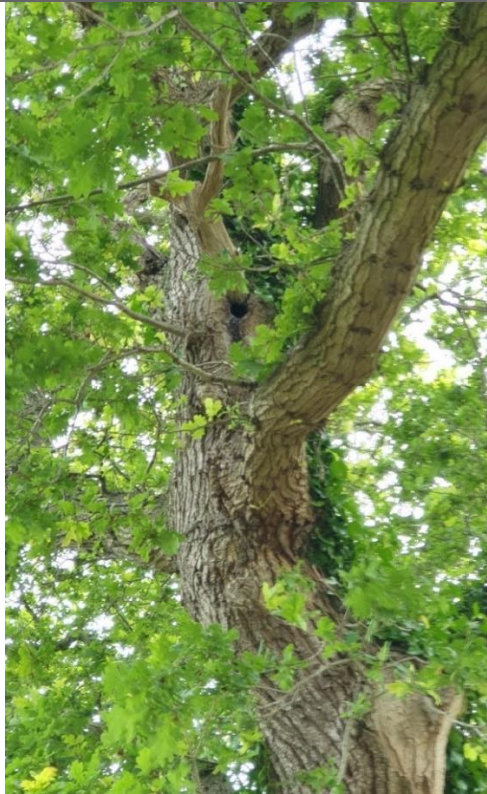


Photograph 91 - T91

No photo available

Photograph 92 - T92





Photograph 93 - T93



Photograph 94 - T94



Photograph 95 - T95



Photograph 96 - T96





Photograph 97 - T97



Photograph 98 - T98



Photograph 99 - T99



Photograph 100 - T100





Photograph 101 - T101



Photograph 102 - T103



Photograph 103 - T104



Photograph 104 - T105





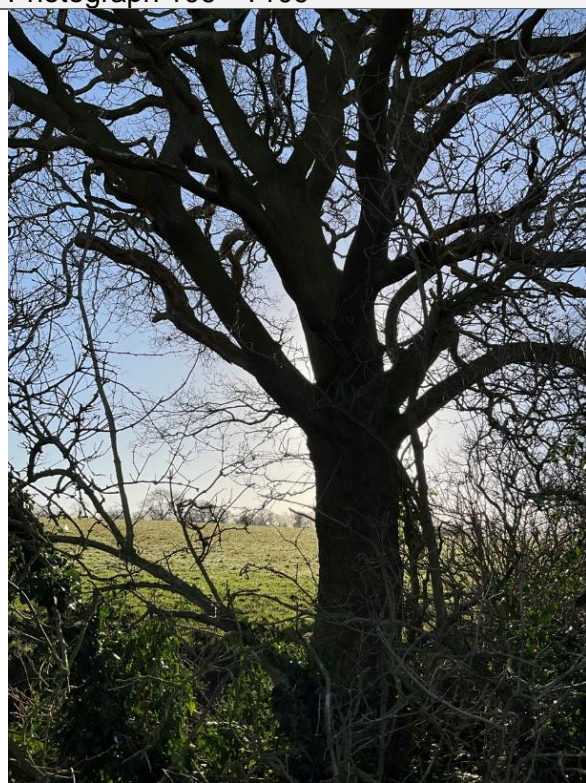
Photograph 105 - T107



Photograph 106 - T109



Photograph 107 - T110

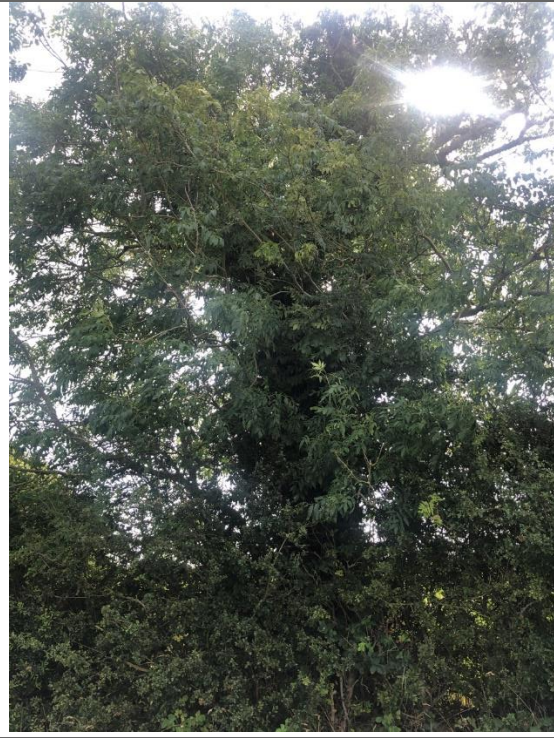


Photograph 108 - T111





Photograph 109 - T112



Photograph 110 - T115



Photograph 111 - T116



Photograph 112 - T117





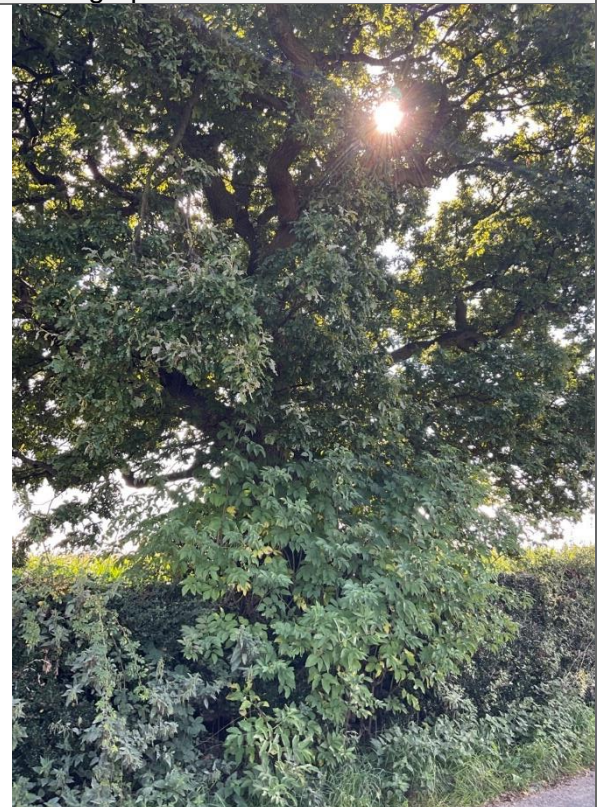
Photograph 113 - T118

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Photograph 114 - T119



Photograph 115 - T128



Photograph 116 - T129





Photograph 117 - T131



Photograph 118 - T132



Photograph 119 - T133



Photograph 120 - T134





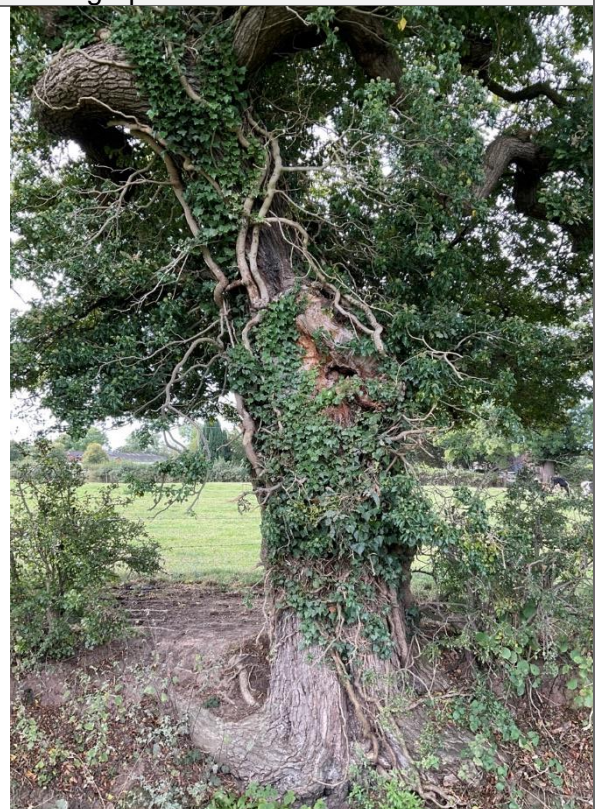
Photograph 121 - T135



Photograph 122 - T136





Photograph 123 - T137



Photograph 124 - T138

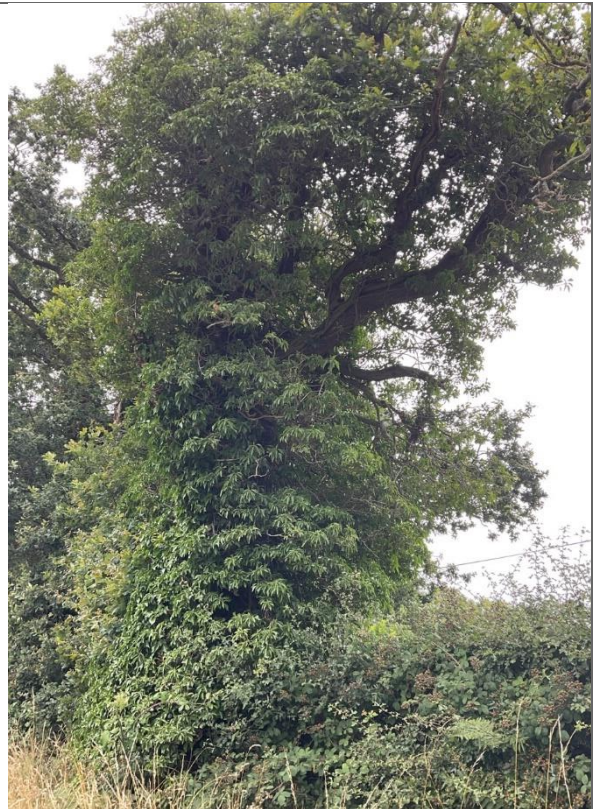


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<p>Photograph 125 - T139</p>	<p>Photograph 126 - T140</p>
<p>No photo available.</p>	<p>No photo available.</p>
<p>Photograph 127 - T141</p>	<p>Photograph 128 - T142</p>
<p>No photo available.</p>	
<p>Photograph 129 - T143</p>	<p>Photograph 130 - T144</p>





Photograph 131 - T145



Photograph 132 - T146

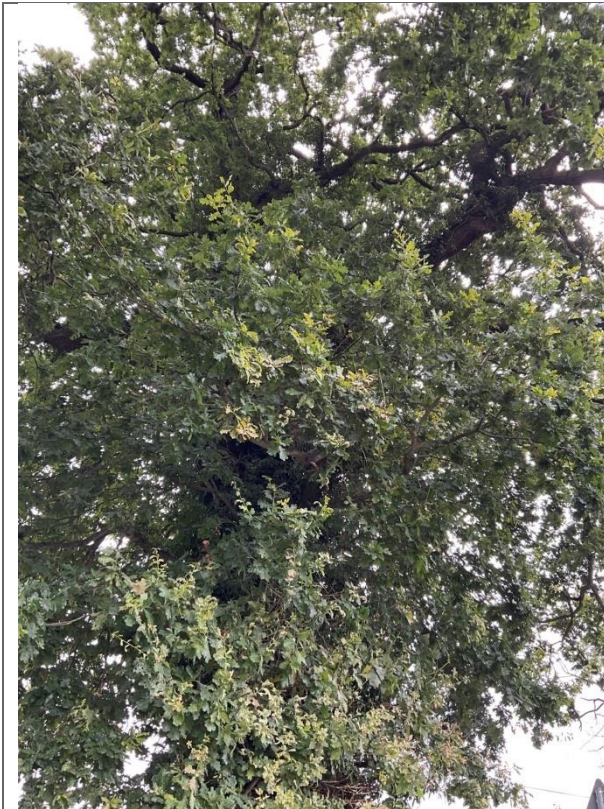


Photograph 133 - T147



Photograph 134 - T148





Photograph 135 - T149



Photograph 136 - T150



Photograph 137 - T151



Photograph 138 - T152





Photograph 139 - T153



Photograph 140 - T154



Photograph 141 - T155



Photograph 142 - T156





Photograph 143 - T157



Photograph 144 - T158

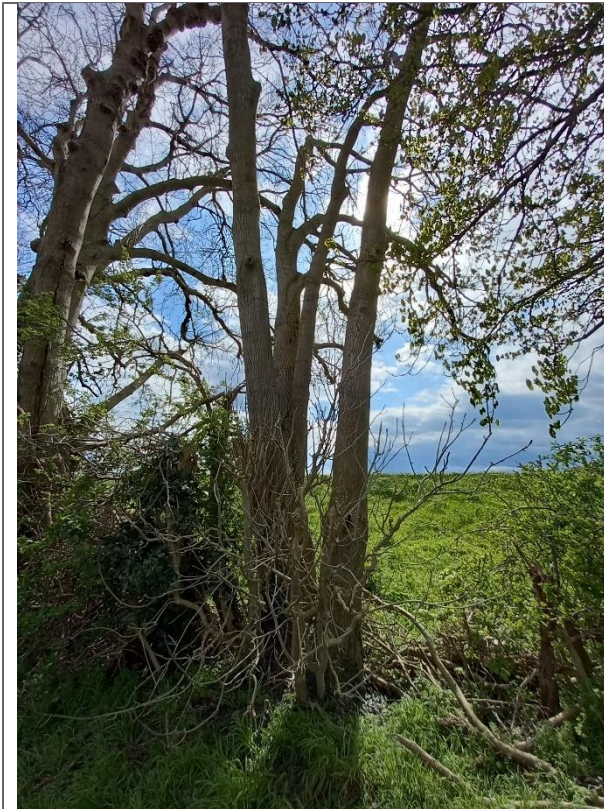


Photograph 145 - T159



Photograph 146 - T160

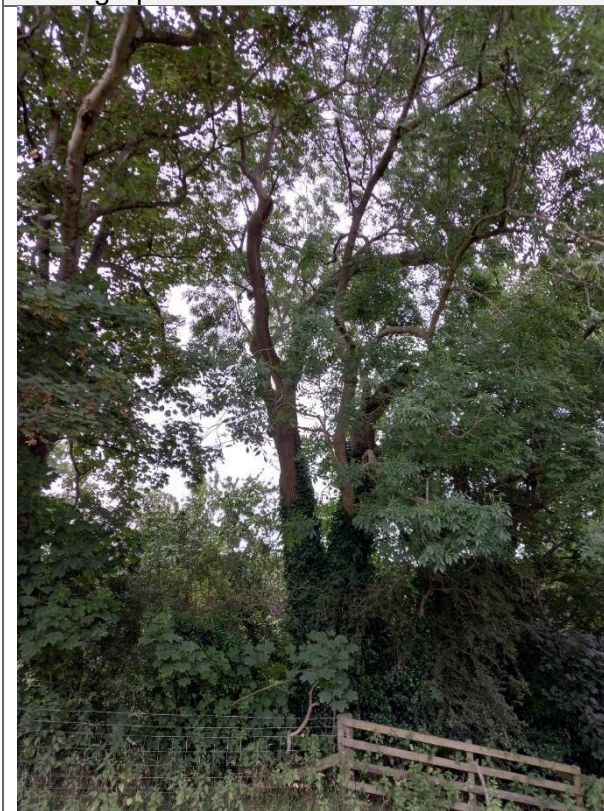




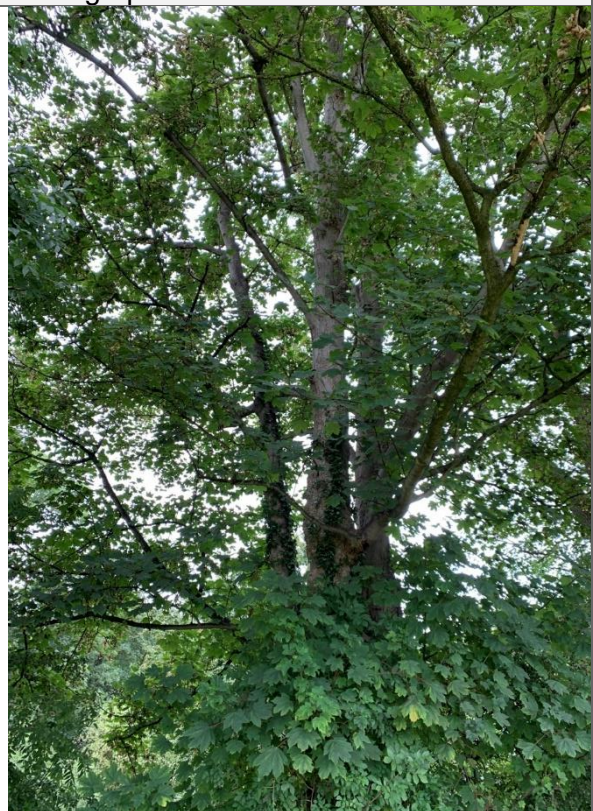
Photograph 147 - T161



Photograph 148 - T162



Photograph 149 - T163

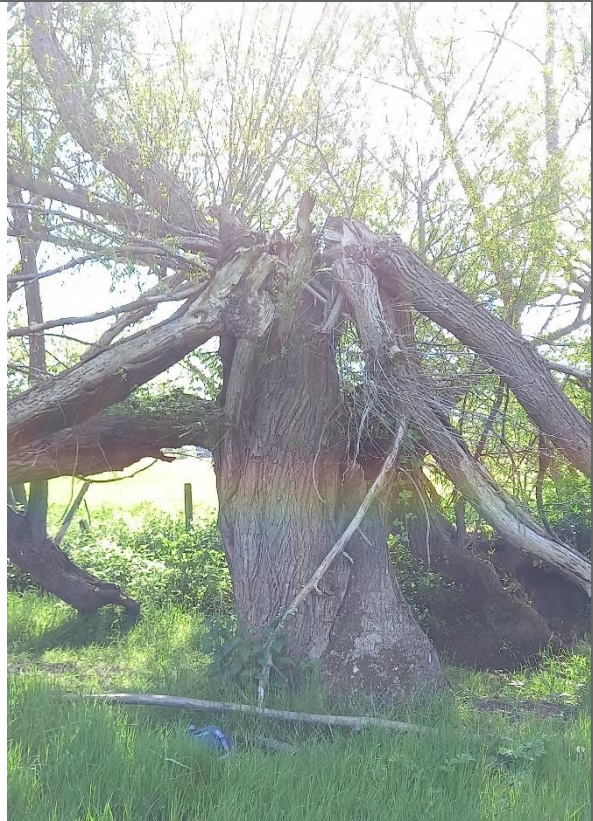


Photograph 150 - T164





Photograph 151 - T165



Photograph 152 - T166



Photograph 153 - T167



Photograph 154 - T168





Photograph 155 - T169



Photograph 156 - T170



Photograph 157 - T171



Photograph 158 - T172

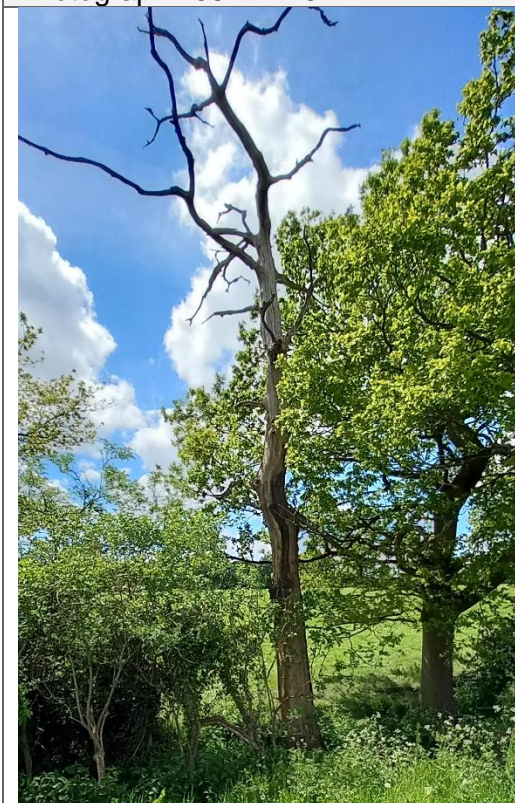




Photograph 159 - T173



Photograph 160 - T174



Photograph 161 - T175



Photograph 162 - T176





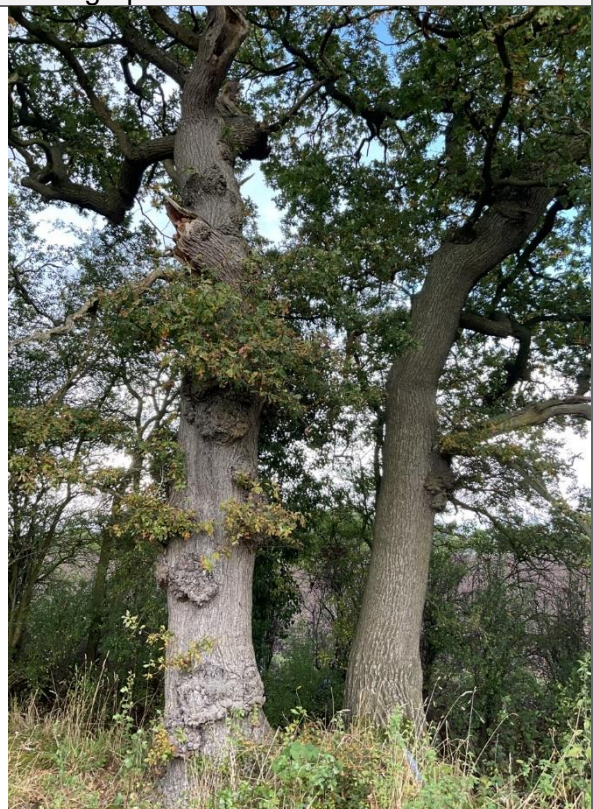
Photograph 163 - T177



Photograph 164 - T178

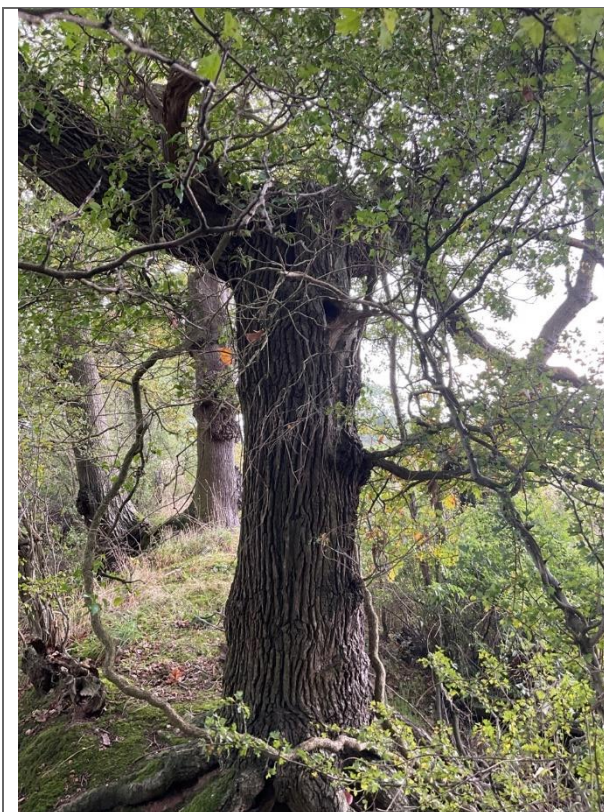


Photograph 165 - T179



Photograph 166 - T180

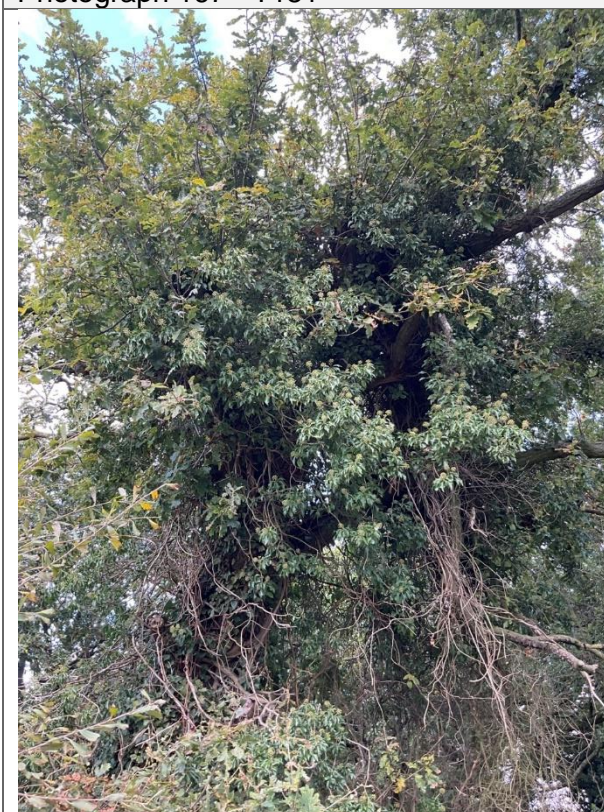




Photograph 167 - T181



Photograph 168 - T182

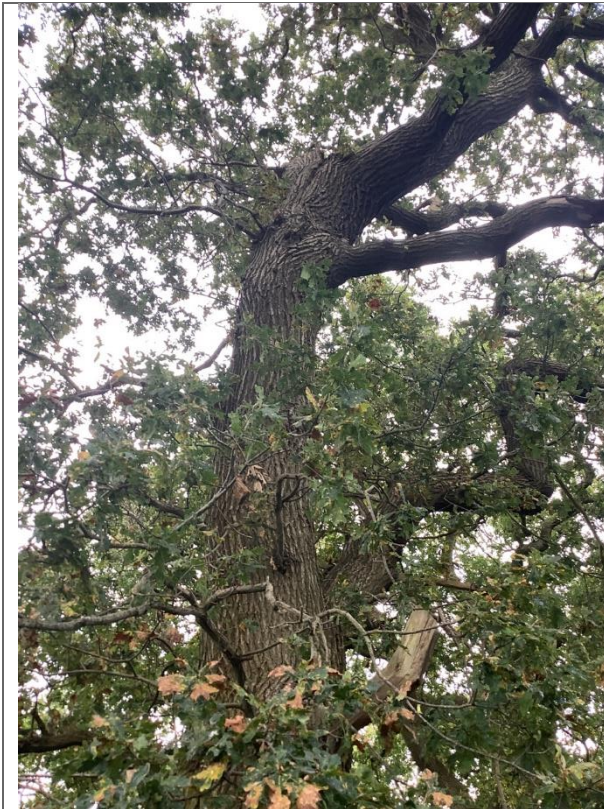


Photograph 169 - T183



Photograph 170 - T184

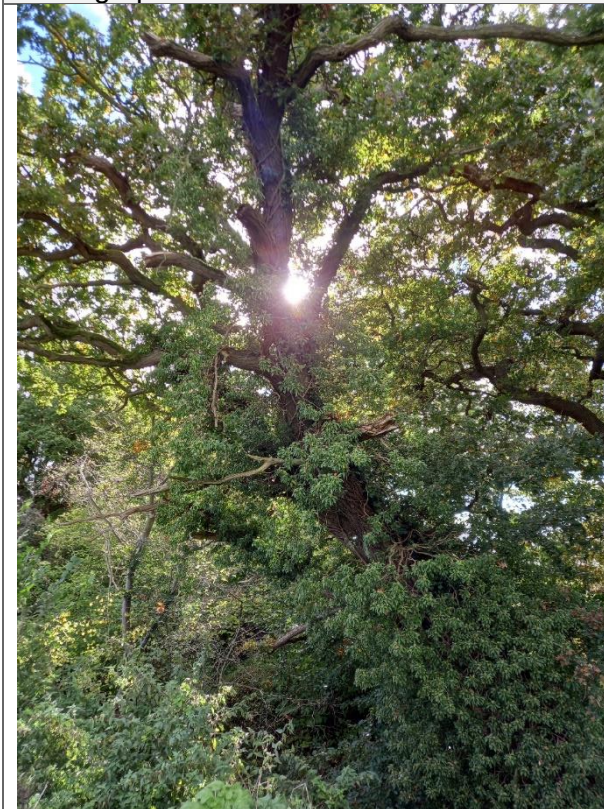




Photograph 171 - T185



Photograph 172 - T186



Photograph 173 - T187



Photograph 174 - T188





Photograph 175 - T189



Photograph 176 - T190



Photograph 177 - T191



Photograph 178 - T192

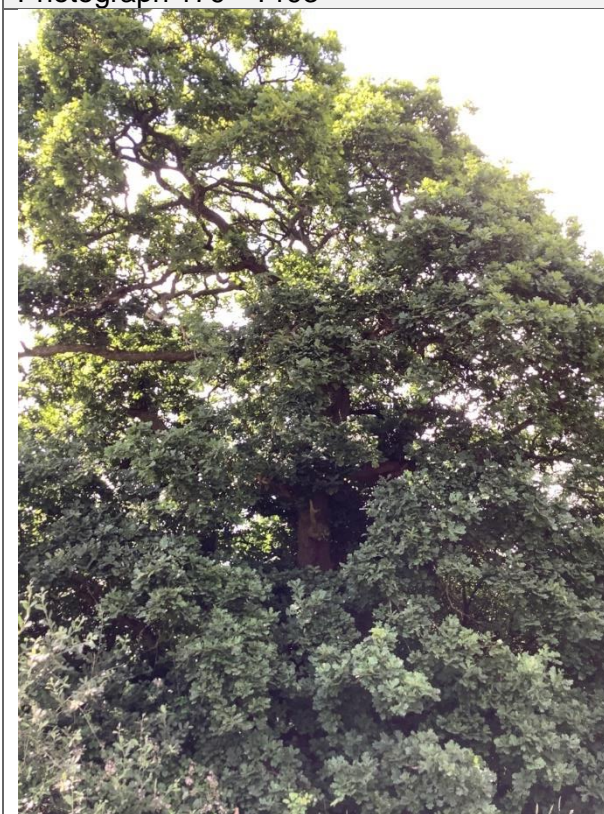




Photograph 179 - T193



Photograph 180 - T194



Photograph 181 - T195



Photograph 182 - T196

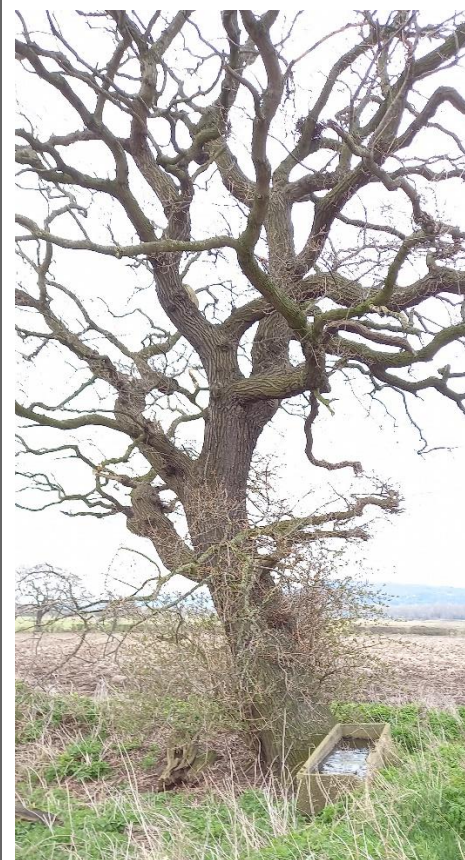




Photograph 183 - T197



Photograph 184 - T198



Photograph 185 - T199



Photograph 186 - T200





Photograph 187 - T201



Photograph 188 - T202



Photograph 189 - T203



Photograph 190- T204





Photograph 191 - T205



Photograph 192 - T206



Photograph 193 - T207

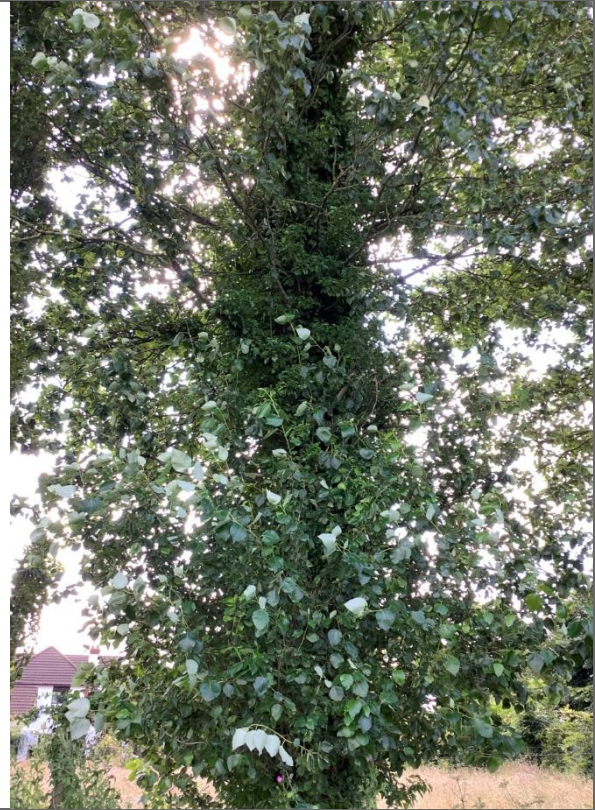


Photograph 194 - T209





Photograph 195 - T210



Photograph 196 - T211



Photograph 197 - T212



Photograph 198 - T213





Photograph 199 - T214



Photograph 200 - T215



Photograph 201 - T216



Photograph 202 - T217





Photograph 203 - T218



Photograph 204 - T219



Photograph 205 - T220



Photograph 206 - T221





Photograph 207 - T222



Photograph 208 - T223

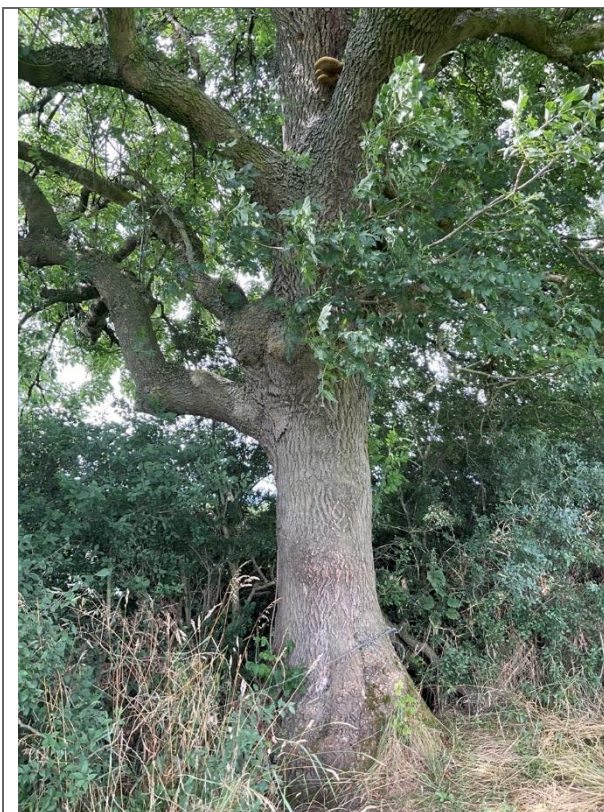


Photograph 209 - T225



Photograph 210 - T226

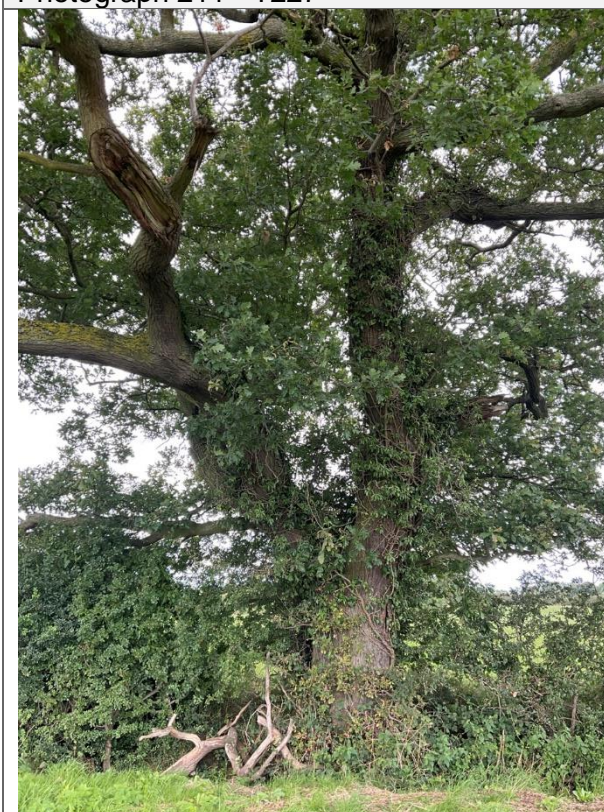




Photograph 211 - T227



Photograph 212 - T228

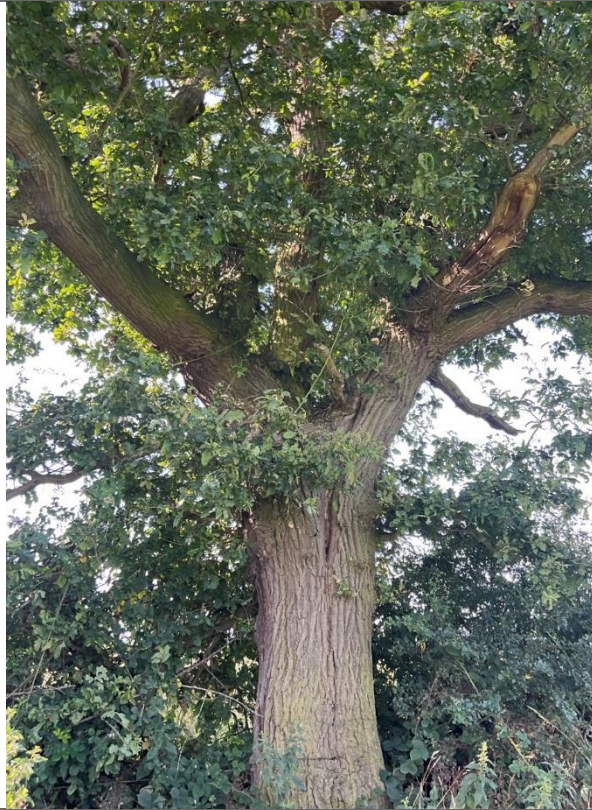


Photograph 213 - T229

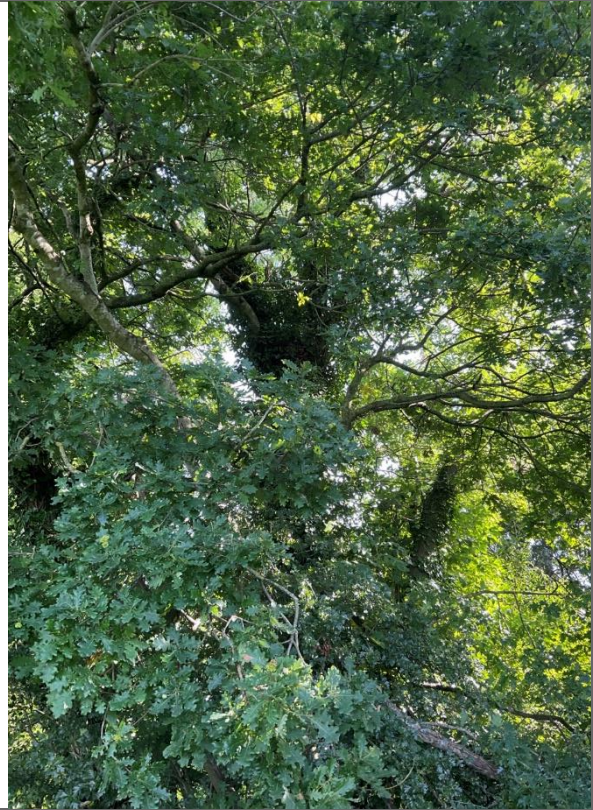


Photograph 214 - T230





Photograph 215 - T231



Photograph 216 - T232



Photograph 217 - T233



Photograph 218 - T234





Photograph 219 - T235



Photograph 220 - T236

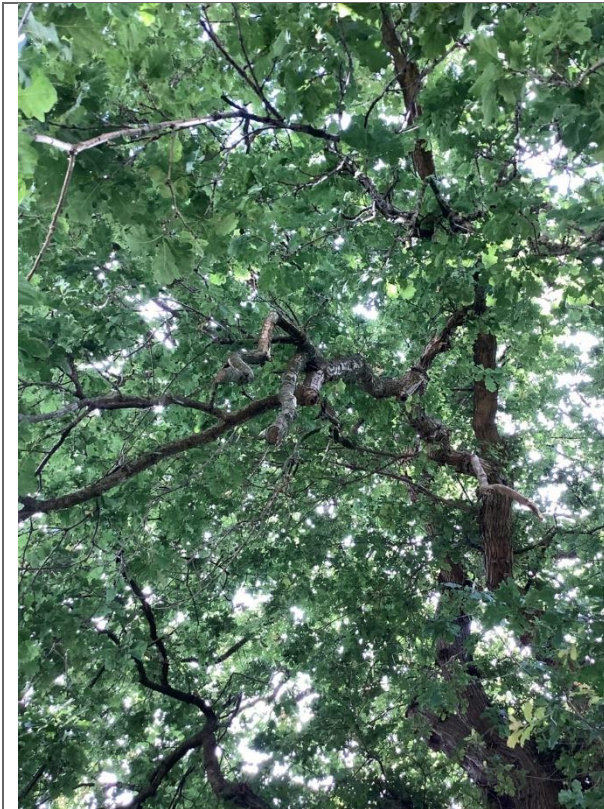


Photograph 221 - T237



Photograph 222 - T238

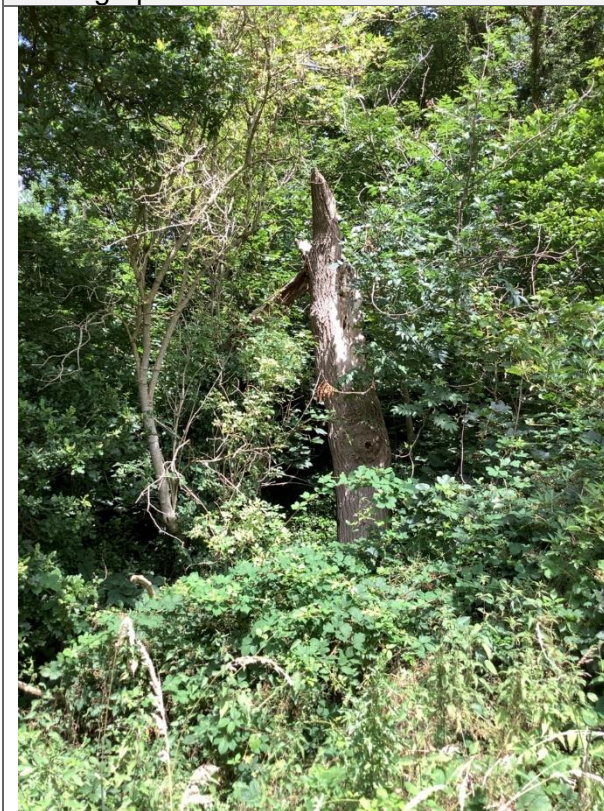




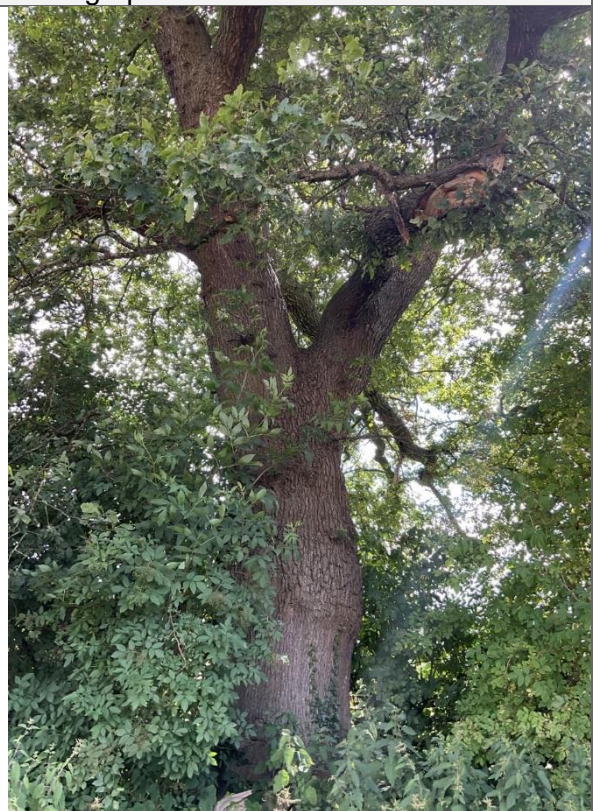
Photograph 223 - T239



Photograph 224 - T240

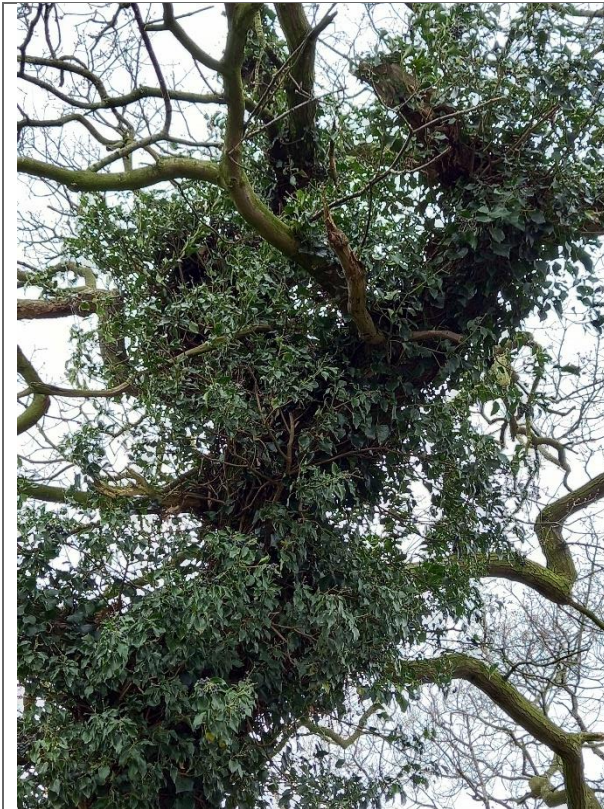


Photograph 225 - T241



Photograph 226 - T242





Photograph 227 - T245



Photograph 228 - T247



Photograph 229 - T248



Photograph 230 - T249





Photograph 231 - T250



Photograph 232 - T251



Photograph 233 - T252



Photograph 234 - T253





Photograph 235 - T254



Photograph 236 - T255



Photograph 237 - T257



Photograph 238 - T258





Photograph 239 - T261



Photograph 240 - T262



Photograph 241 - T265



Photograph 242 - T267



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Photograph 243 - T269

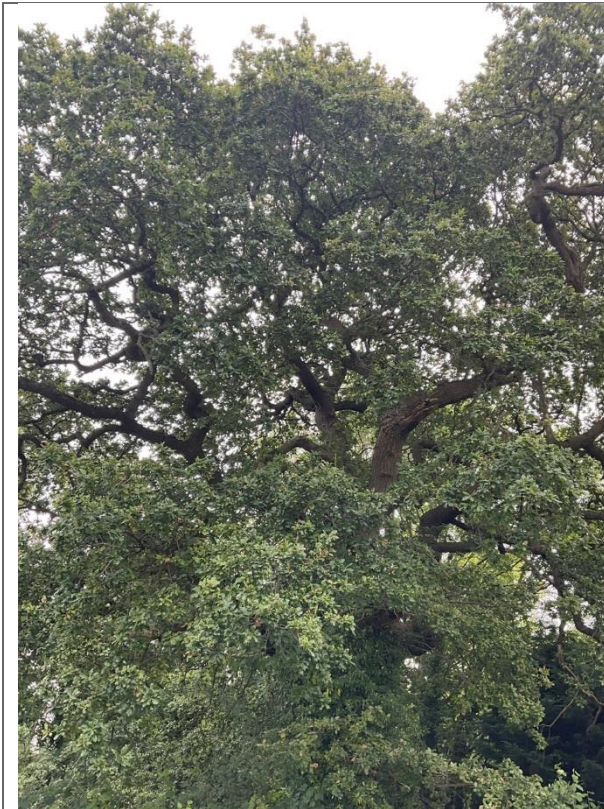
Photograph 244- T271



Photograph 245 - T272

Photograph 246 - T273





Photograph 247 - T274



Photograph 248 - T275



Photograph 249 - T276



Photograph 250 - T277





Photograph 251 - T278



Photograph 252 - T279



Photograph 253 - T280

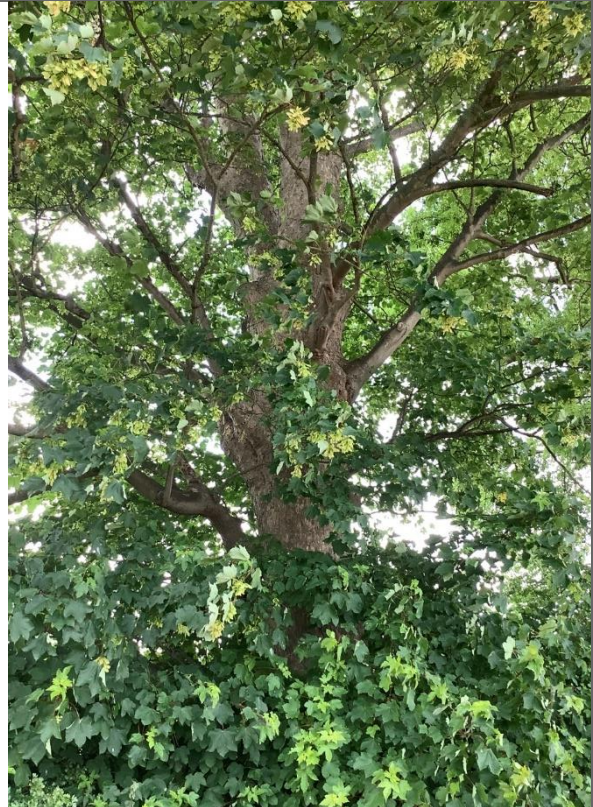


Photograph 254 - T281





Photograph 255 - T282



Photograph 256- T283

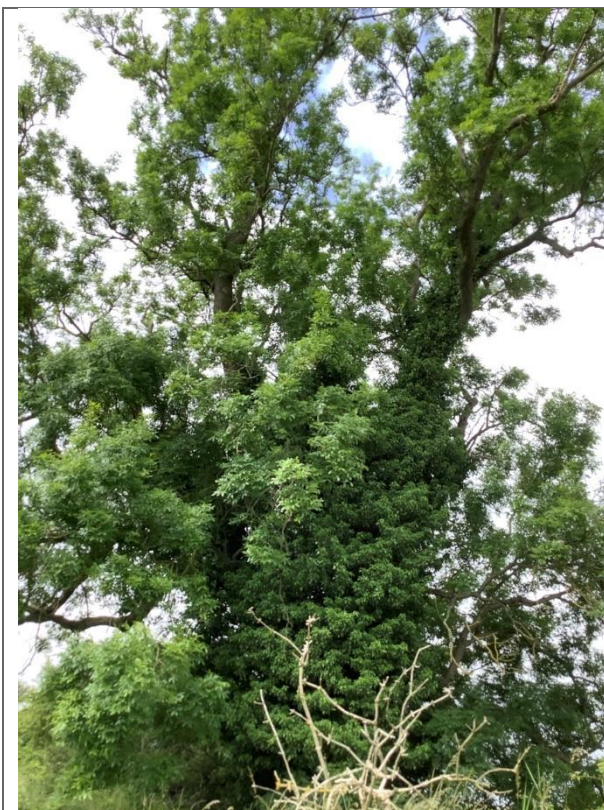


Photograph 257 - T284



Photograph 258 - T285





Photograph 259 - T286



Photograph 260 - T287



Photograph 261 - T288



Photograph 262 - T289





Photograph 263 - T290



Photograph 264 - T291



Photograph 265 - T292



Photograph 266 - T293





Photograph 267 - T294



Photograph 268 - T295



Photograph 269 - T296



Photograph 270 - T297





Photograph 271 - T298



Photograph 272 - T300



Photograph 273 - T301



Photograph 274 - T302





Photograph 275 - T303



Photograph 276 - T304



Photograph 277 - T305



Photograph 278 - T306





Photograph 279 - T307



Photograph 280 - T308



Photograph 281 - T309



Photograph 282 - T310





Photograph 283 - T311



Photograph 284 - T315

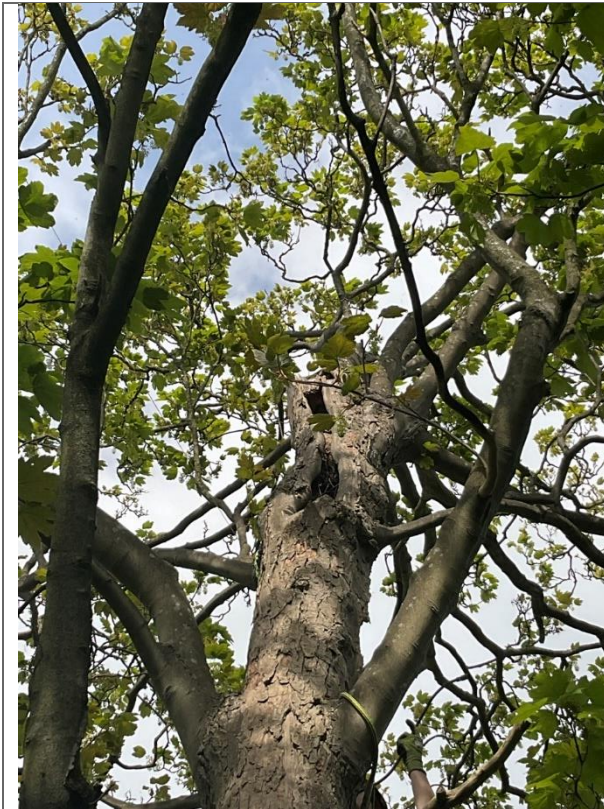


Photograph 285 - T316



Photograph 286 - T317

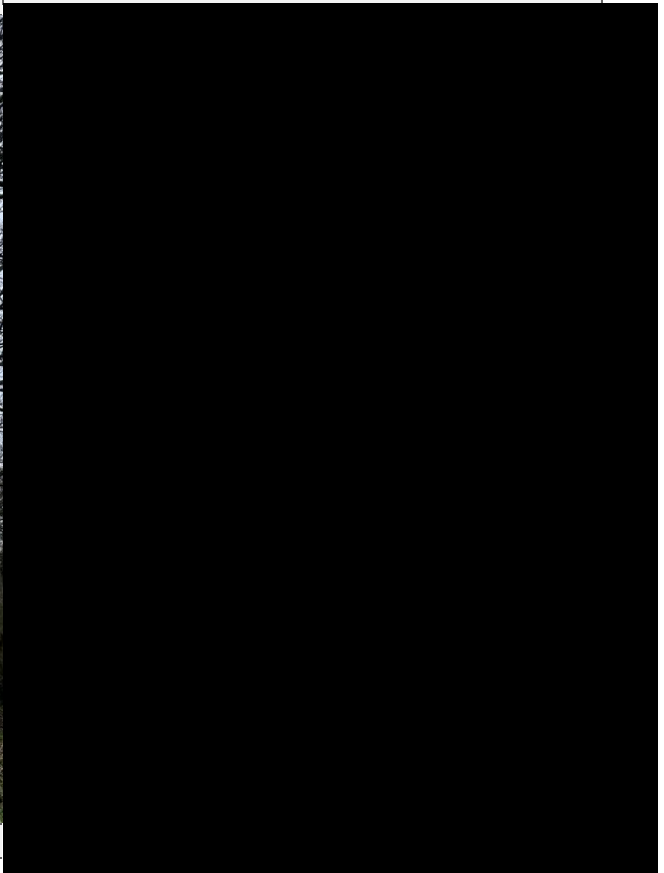




Photograph 287 - T318



Photograph 289 - T320







Photograph 291 - T322



Photograph 292 - T324



Photograph 293 - T325

No photo available.

Photograph 294 - T326





Photograph 295 - T327



Photograph 296 - T328



Photograph 297 - T329



Photograph 298 - T330





Photograph 299 - T331



Photograph 300 - T332



Photograph 301 - T334



Photograph 302 - T335





Photograph 305 - T336

No photo available.

Photograph 304 - T337



Photograph 307 - T338



Photograph 308 - T339





Photograph 309 - T340



Photograph 310 - T341



Photograph 311 - T343



Photograph 312 - T344





Photograph 313 - T345



Photograph 314 - T346



Photograph 315 - T349



Photograph 316 - T350





Photograph 317 - T351



Photograph 318 - T352



Photograph 319 - T355



Photograph 320 - T356





Photograph 321 - T357



Photograph 322 - T358



Photograph 323 - T359



Photograph 324 - T360





Photograph 325 - T361



Photograph 326- T362



Photograph 327 - T363



Photograph 328 - T364

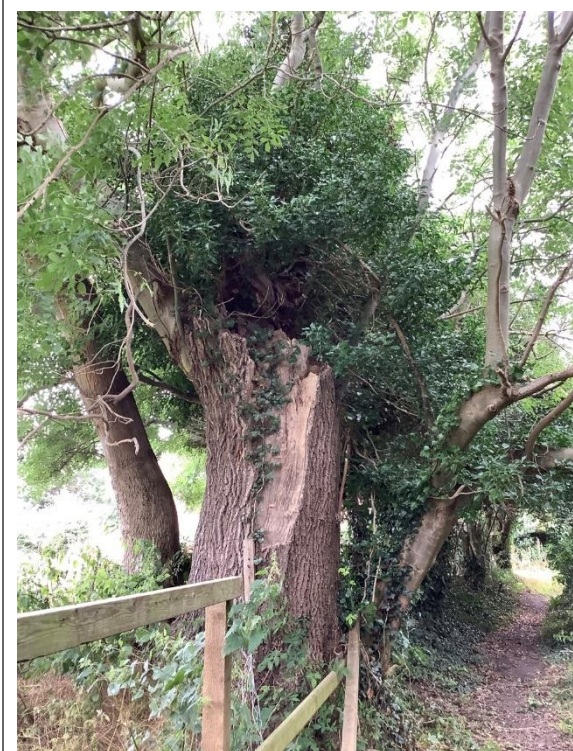




Photograph 329 - T365



Photograph 330 - T366

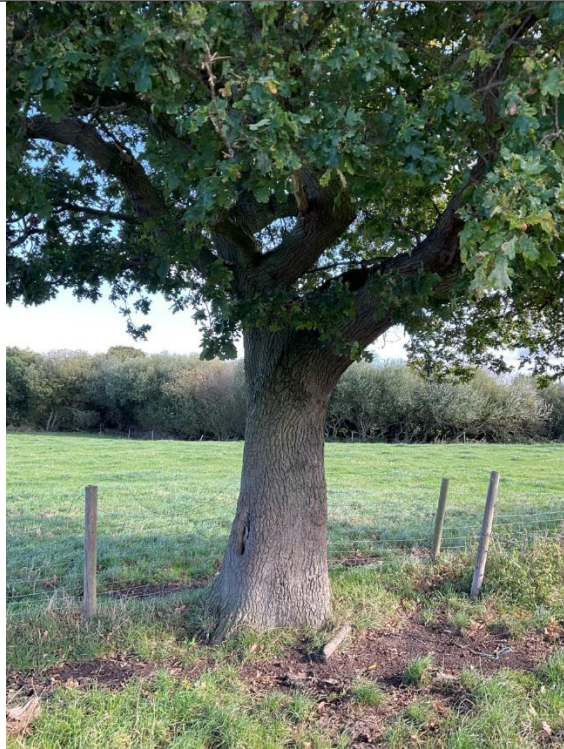


Photograph 331 - T367



Photograph 332 - T368





Photograph 333 - T369



Photograph 334 - T370



Photograph 335 - T371



Photograph 336 - T373





Photograph 337 - T374



Photograph 338 - T375



Photograph 339 - T376



Photograph 340 – Reference Not used





Photograph 341- T378



Photograph 342 - T379



Photograph 343 - T380



Photograph 344 - T381





Photograph 345 - T382



Photograph 346 - T383



Photograph 347 - T384



Photograph 348 - T385





Photograph 349 - T386



Photograph 350 - T387



Photograph 351 - T388



Photograph 352 - T389





Photograph 353- T390



Photograph 354 - T391



Photograph 355 - T392



Photograph 356 - T393





Photograph 357 - T398



Photograph 358 - T399



Photograph 359- T400

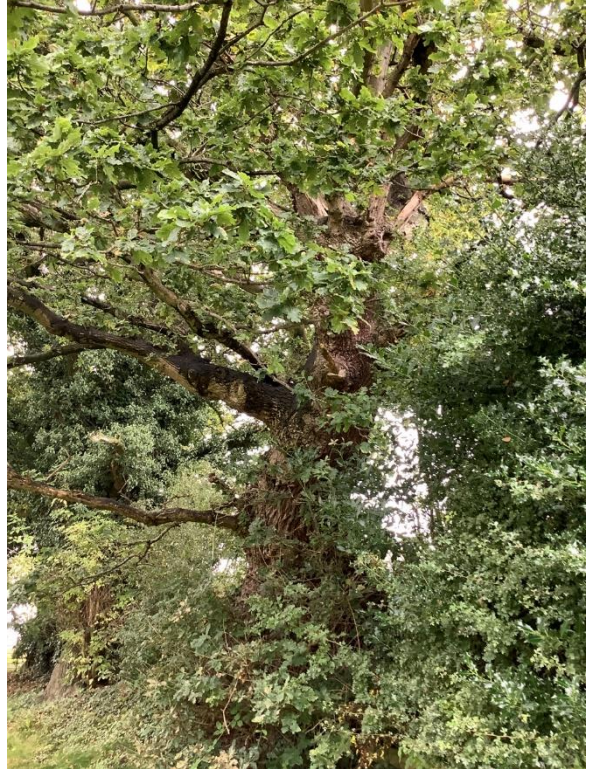


Photograph 360 - T401





Photograph 361 - T402



Photograph 362 - T403



Photograph 363 - T404



Photograph 364 - T406





Photograph 364 - T407



Photograph 366 - T408



Photograph 367 - T409



Photograph 368 - T410





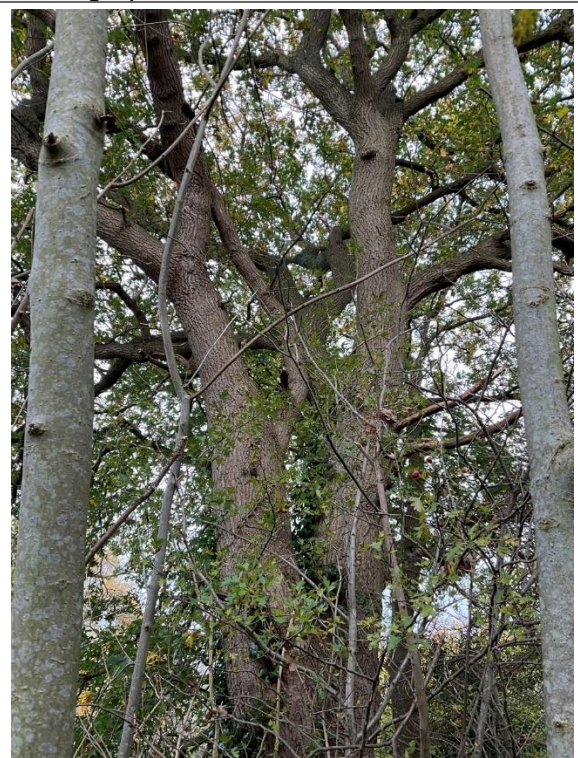
Photograph 369 - T411



Photograph 370 - T412



Photograph 371 - T414



Photograph 372 - T415





Photograph 373 - T416



Photograph 374 - T417



Photograph 375 - T418



Photograph 376 - T419

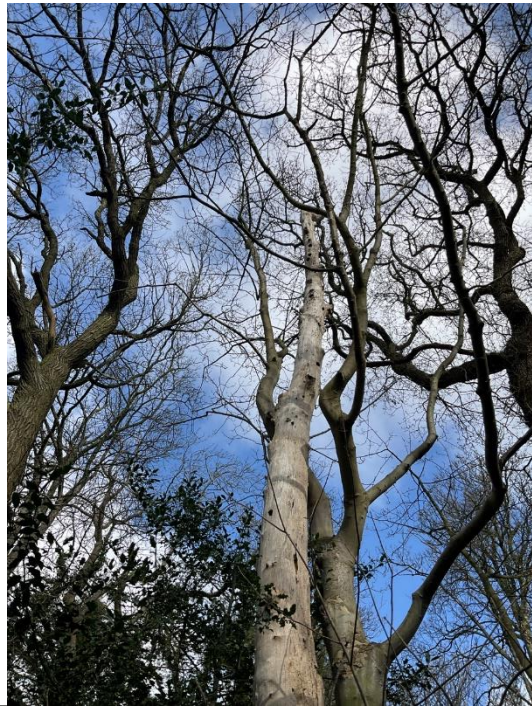




Photograph 377 - T420



Photograph 378 - T421



Photograph 379 - T422



Photograph 380- T423





Photograph 381 - T424



Photograph 382 - T425

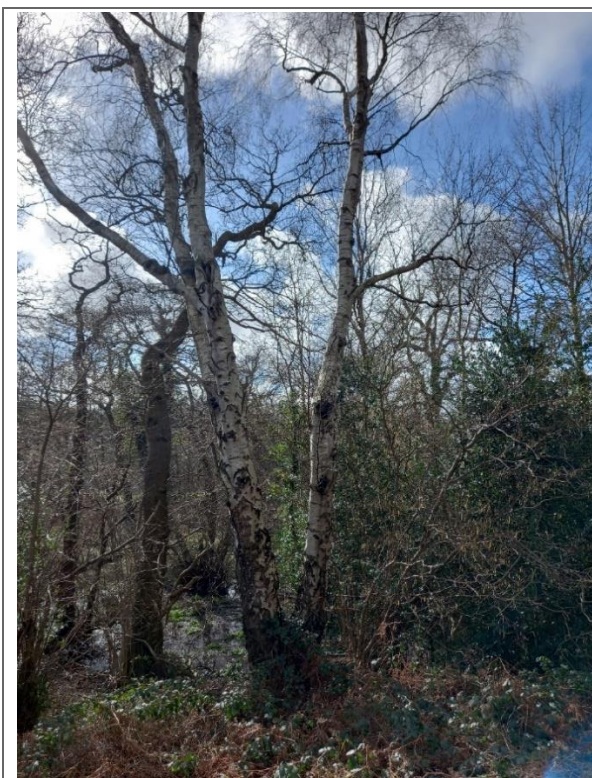


Photograph 383 - T426



Photograph 384 - T427





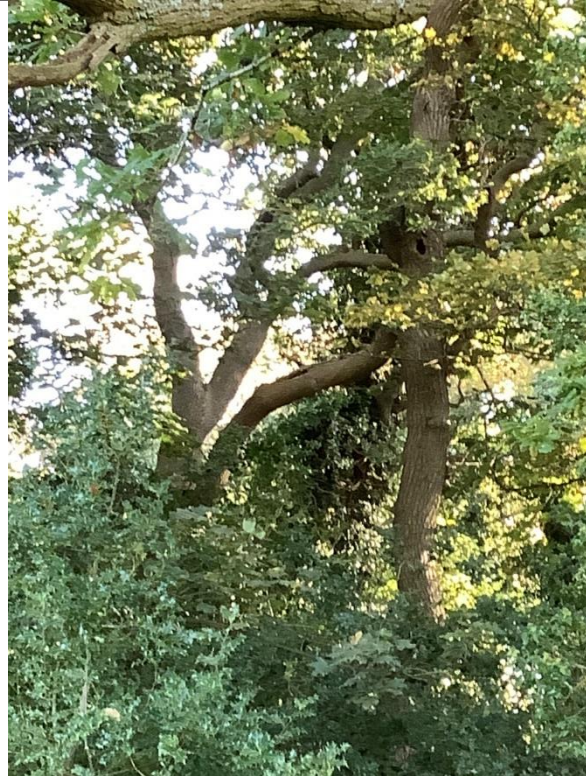
Photograph 385 - T428



Photograph 386 - T429



Photograph 387 - T430



Photograph 388 - T431





Photograph 389 - T432



Photograph 390 - T433

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Photograph 391 - T434



Photograph 392 - T435





Photograph 393 - T436



Photograph 394 - T438



Photograph 395 - T440



Photograph 396 - T441

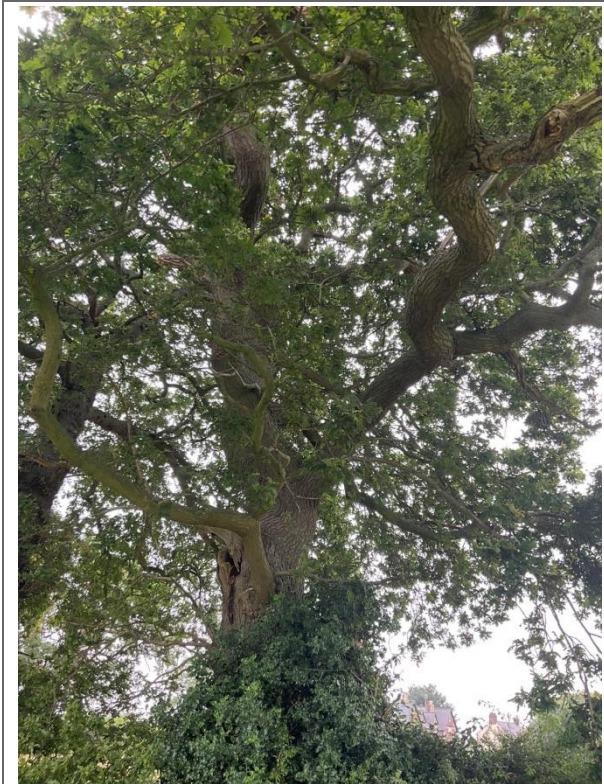




Photograph 397 - T443



Photograph 398 - T444

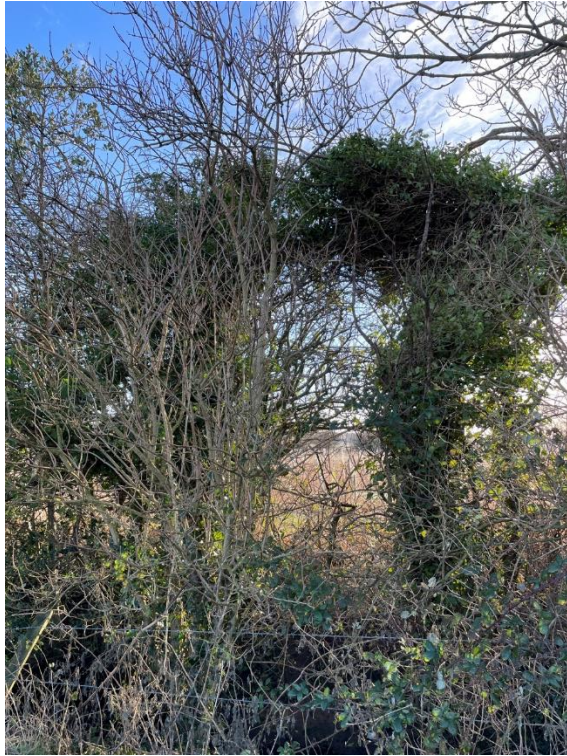


Photograph 399 - T445

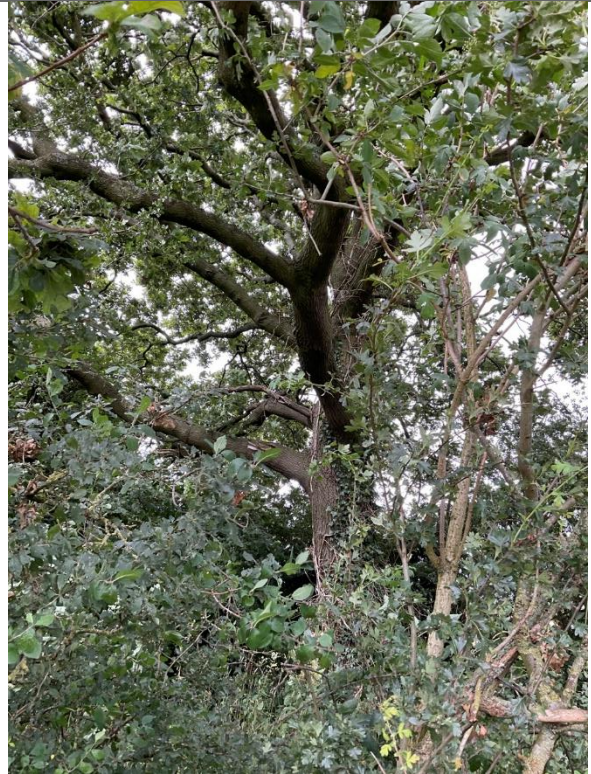


Photograph 400 - T446





Photograph 402 - T447



Photograph 401 - T448



Photograph 403 - T449



Photograph 404 - T450





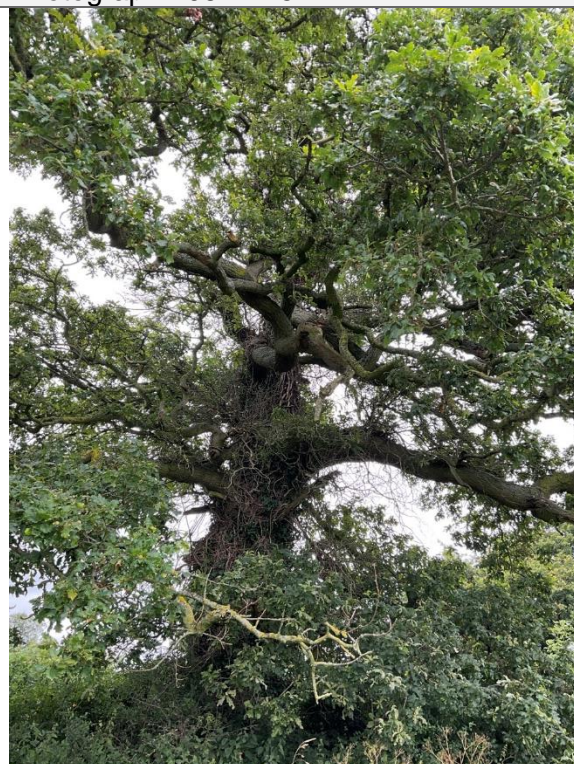
Photograph 405 - T451



Photograph 406 - T452



Photograph 407 - T453



Photograph 408 - T454





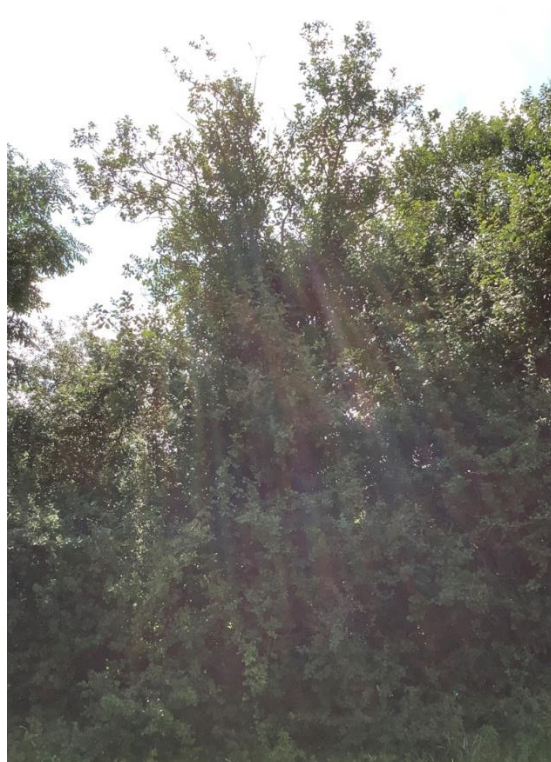
Photograph 409 - T455



Photograph 410 - T456



Photograph 411 - T457



Photograph 412 - T458





Photograph 413 - T459



Photograph 414 - T460



Photograph 415 - T461



Photograph 416 - T462





Photograph 417 - T464



Photograph 418 - T475



Photograph 419 - T480



Photograph 420 – T491





Photograph 421 – T492



Photograph 422 – T493



Photograph 423 – T494



Photograph 424 – T495





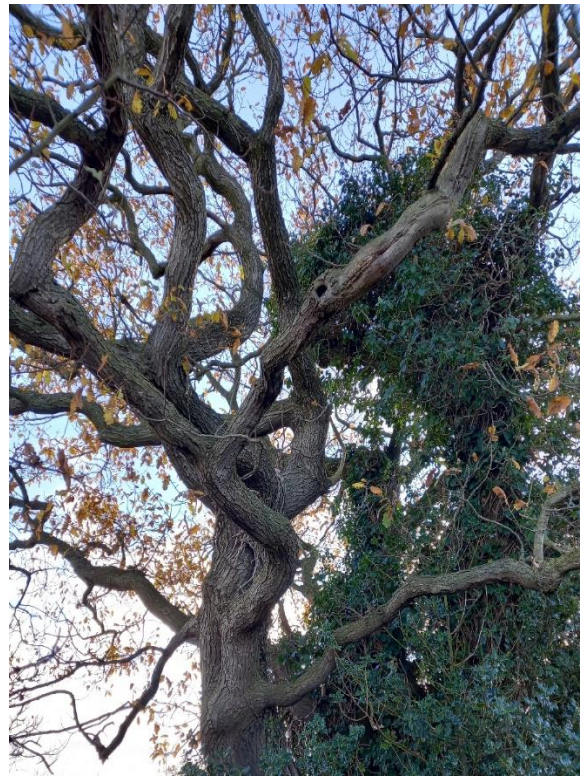
Photograph 425 – T496



Photograph 426 – T497



Photograph 427 – T498



Photograph 428 – T499





**Photograph 429 – T500**



**Photograph 430 – T501**