HyNet North West

ENVIRONMENTAL STATEMENT - (VOLUME III)

APPENDIX 9.3 BAT ACTIVITY SURVEY REPORT (TRACK CHANGE)

HyNet Carbon Dioxide Pipeline DCO

Planning Act 2008

~~The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 – Regulations 5(2)(a)~~

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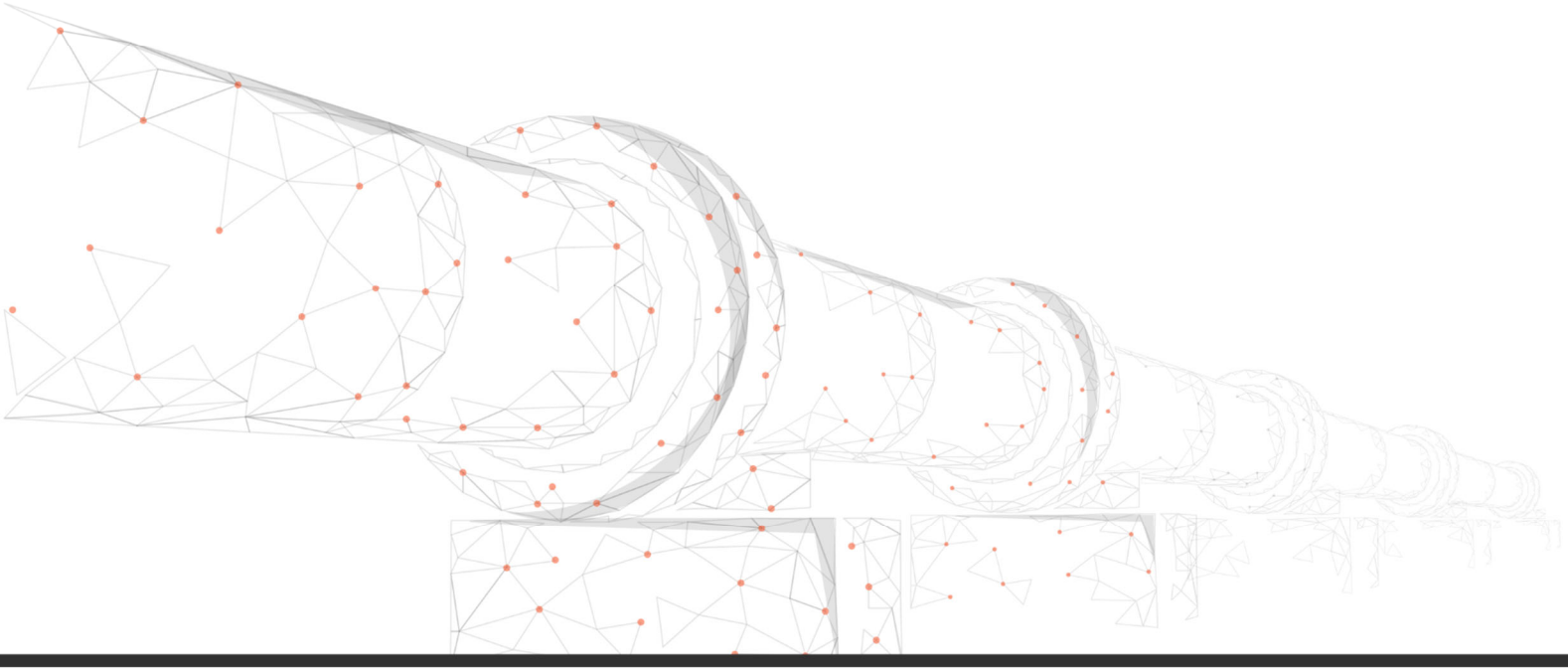

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1. INTRODUCTION

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** of the **Environmental Statement (ES) (Volume II** ~~**(Document Reference: D.6.2.9)**~~ **).**

1.1.2. This **Revision B** of **Appendix 9.3 – Bat Activity Survey Report** replaces and supersedes **Revision A** of **Appendix 9.3 (APP-098 to APP-101)** to take account of updated survey data that was not presented within the **Revision A**.

~~1.1.2.~~1.1.3. The Applicant intends to build and operate a new underground carbon dioxide (CO_2) 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 Business, Energy and Industrial Strategy (BEIS).

~~1.1.3.~~1.1.4. 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_2 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_2 entering the atmosphere by capturing it, compressing it and transporting it for safe, permanent storage.

~~1.1.4.~~1.1.5. 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_2 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.~~1.1.6. 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_2;
- **Stanlow AGI to Flint AGI Pipeline** – a section of new underground onshore pipeline (36" in diameter) to transport CO_2;

- **Flint AGI to Flint Connection Pipeline** – a section of new underground onshore pipeline (24" in diameter) to transport CO_2;
- **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_2. 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~~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.~~1.1.7. Further details of each element of the DCO Proposed Development are set out in **Chapter 3 – Description of the DCO Proposed Development (Volume II). (APP-055).**

1.2. ECOLOGICAL BACKGROUND

1.2.1. Extended Phase 1 habitat surveys were undertaken from 2020, and continuing 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 (~~Appendix 9.1, Volume III~~APP-091 – APP-093).**

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 these surveys are presented within this report. The impact assessment and recommendations for mitigation and compensation are presented within **Chapter 9: Biodiversity** ~~of the **Environmental Statement (ES**~~**(Revision B) (Volume II** ~~**(Document Reference: D.6.2.9**~~**).**

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 pipistrelles *Pipistrellus pygmaeus* are also listed as a 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) (2019) (**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 ~~included~~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

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 ~~the~~Appendix 9.4 - **Bats and Hedgerow Assessment (~~Appendix 9.4, Volume III~~Revision B).**

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 30km of the Newbuild Infrastructure Boundary and to obtain information held by relevant third parties from the last ten years within 2km 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 July 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 facias. 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
Confirmed	Structure or tree with features confirmed to be used by roosting bats either by historic records (verified appropriately), or evidence recorded during survey.
High	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

Category	Description
	due to their size, shelter, protection, conditions, and surrounding habitat.
Moderate	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).
Low	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.
Negligible	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 climber inspection surveys by a Natural England (NE) and / or Natural Resources Wales (NRW) bat licensed ecologist.

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 survey.

2.5. DUSK EMERGENCE AND DAWN RE-ENTRY SURVEYS

2.5.1. In total, ~~91~~160 structures and trees have ~~so far~~ been subject to dusk emergence or dawn re-entry surveys. ~~Surveys of the remaining trees and structures~~Any surveys not completed due to access constraints or otherwise will be completed ~~in 2022~~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 ~~August~~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 ~~was~~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

	Low Roost Suitability	**Moderate Roost Suitability**	**High Roost Suitability/Confirmed Roost**
Structures	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
Trees	No further surveys required		

2.5.9. The surveyors were equipped with full spectrum devices comprising Elekon Batlogger 'M' or Echo Meter Touch 2 Pro bat detectors to listen to and record echolocation calls of bats observed. During the survey, surveyors mapped the flight-lines used by bats and noted any features used by the bats to exit or enter the structure or tree. Incidental records of bat activity in the vicinity of the surveyor locations were also collected.

2.5.10. Cannon XA11 Infra-red camera(s) were deployed on approximately 10% of trees, prioritising features where visibility in darkness was most difficult. Between one and four cameras were used at a feature, depending on the level of cover required. Cameras were positioned to film PRFs identified from the PBRA surveys in addition to the surveyor. Separate infra-red illuminators were set up to improve the view of the camera and illuminate features. Following the surveys, the infra-red footage was reviewed on a computer to check for any roost evidence that may have been missed, or confirm any potential roosts identified by the surveyor during the surveys.

DATA ANALYSIS

2.5.11. Following the dusk emergence and dawn re-entry surveys, the recorded calls were analysed using Wildlife Acoustics Kaleidoscope (Version 5.4.7) and Elekon Bat Explorer (Version 2.1) sound analysis software to verify bat species. Where possible, bat calls were identified to species level. However, species of the genus *Myotis* were grouped together in most cases as their calls are similar in structure and have overlapping call parameters, making species identification problematic (**Ref 10, Ref 11** and **Ref 12**). For *Pipistrellus* species, the following criteria based on measurements of peak frequency were used to classify calls:

- Common pipistrelle ≥ 42 and <49KHz;
- Soprano pipistrelle ≥ 51KHz;
- Nathusius' pipistrelle *Pipistrellus nathusii* <39KHz;
- Common/soprano pipistrelle ≥49 and <51KHz; and
- Common/Nathusius' pipistrelle ≥39 and <42KHz.

2.5.12. In addition, the following categories were used for calls that could not be identified with confidence due to the overlap in call characteristics between species or species groups:

- Nyctalus sp. (either Leisler's bat *Nyctalus leisleri* or noctule); and
- Noctule/Leisler's bat/serotine *Eptesicus serotinus*

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 is not expected to have impacted the results or conclusions presented within this report.

~~2.7.3. Surveys across the Newbuild Infrastructure Boundary are ongoing within 2022. As such, this report has been prepared on the basis of survey results accrued up to 30 June 2022, and further information will be submitted as Supplementary Information following the DCO Application.~~

~~2.7.4.~~2.7.3. Surveys are confined to land where access has been permitted. Access was limited at certain features where adjoining landowners have not agreed access concurrently which may reduce views of the target feature. Where this is the case, a conservative assumption was made based on available data or the feature was re-surveyed when access became available.

~~2.7.5.~~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 coverage 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.

~~2.7.6.~~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.

~~2.7.7.~~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 is not thought to have affected the results of the surveys.

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 on the proformas. 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 ~~a~~ 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 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 will be assessed as part of the DCO Proposed Development (as detailed in **Annex C, Table 5** and **Annex D, Table 6)**. This approach has been taken within **Chapter 9: Biodiversity (Revision B) (Volume II).**

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, the subsequent survey visits did not record any roosting activity. As such, a precautionary approach is taken and T325 is assumed to support a brown long-eared day roost.

3. RESULTS

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 30km of the Newbuild Infrastructure Boundary. In addition, no SSSIs designated for bats were identified within 2km of the Newbuild Infrastructure Boundary.

3.1.3. The desk study from rECOrd returned 131 records of bats within 2km of the Newbuild Infrastructure Boundary from the last ten years. Seven of these records pertained to confirmed bat roosts, the closest being 0.59km south-east of the Newbuild Infrastructure Boundary and pertaining to two soprano pipistrelles. The closest record overall related to 77 common pipistrelles and ~~8~~eight soprano pipistrelles, 0.05km west of the Newbuild Infrastructure Boundary in 2017. The most recent record was of a common pipistrelle 0.69km to the south in 2020.

3.1.4. The desk study from Cofnod returned 32 records of bats within 2km of the Newbuild Infrastructure Boundary from the last ten years. Eight of these records pertained to confirmed bat roosts, the closest being 0.34km west of the Newbuild Infrastructure Boundary and pertaining to a day roost of a single lesser horseshoe bat. The closest record related to 11 common pipistrelles 0.01km to the south of the Newbuild Infrastructure Boundary in 2012.The most recent record was of a noctule 1.69km to the west 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, there were no confirmed or potential bat roosts within the Newbuild Infrastructure Boundary. There were 15 confirmed or potential bat roosts recorded within 2km 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 2km of the Newbuild Infrastructure Boundary from the Last Ten Years

Species	Date of Record	Estimated roost size	Distance and Orientation from Site
Lesser Horseshoe bat	06/06/2016	1 bat (Day roost)	0.34km south-west
Common pipistrelle	01/08/2019	2 bats	0.45km east
Soprano pipistrelle	01/08/2019	1 bat	0.45km east
Lesser horseshoe bat	01/08/2019	1 bat	0.45km east
Brown long-eared bat	01/05/2012	2 bats	0.49km north-west
Common pipistrelle	01/05/2012	4 bats	0.49km north-west
Soprano pipistrelle	13/08/2019	2 bats	0.59km south-east
Pipistrelle sp.	11/03/2020	2 bats	0.69km south
Pipistrelle sp.	12/03/2020	2 bats	0.69km south
Soprano pipistrelle	02/07/2019	1 bat	0.74km south
Soprano pipistrelle	25/07/2019	1 bat	0.74km south
Brown long-eared bat	11/03/2020	1 bat	0.79km south
Brown long-eared bat	25/09/2012	1 bat	0.8km south
Brown long-eared bat	07/2012	2 bats	0.86km north
Pipistrelle sp.	18/06/2012	Unknown – only droppings present	1.44km south-west

3.2. PRELIMINARY ROOST ASSESSMENT SURVEYS

Structures

3.2.1. Following PBRA surveys, ~~91~~90 structures were identified within the Newbuild Infrastructure Boundary. Of these, ~~80~~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 ~~structures~~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, ~~448~~417 trees were assessed as having suitability to support roosting bats. This comprises:

- ~~217~~196 trees with low suitability to support roosting bats;
- ~~196~~188 trees with moderate suitability to support roosting bats;
- ~~35~~33 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 ~~11~~10.**

3.3. AERIAL TREE CLIMB INSPECTION SURVEYS

3.3.1. A total of 86 trees were then 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;
- ~~258~~234 trees with low suitability to support roosting bats:
  - ~~41~~38 trees downgraded to low suitability from moderate and high suitability following the aerial tree climbing surveys;
- ~~144~~140 trees with moderate suitability to support roosting bats:
  - ~~1 tree~~33 trees downgraded to low suitability and four upgraded to high from moderate suitability ~~from high suitability~~ following tree climbing surveys
- ~~34~~31 trees with high suitability to support roosting bats:
  - ~~6~~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, ~~6~~seven structures have ~~so far~~ been subjected to dusk emergence and dawn re-entry surveys. ~~These~~The surveys ~~have~~ identified ~~a~~ bat ~~roost~~roosts in ~~a single structure~~three structures within the Newbuild Infrastructure Boundary. ~~It~~B97 was being 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, ~~85~~153 trees have ~~so far~~ been subject to dusk emergence and dawn re-entry surveys. ~~These~~The surveys ~~have~~ identified bat roosts in ~~nine~~17 trees within the Newbuild Infrastructure Boundary~~, as well as one suspected roost.~~. Of these roosts, ~~eight~~ten were being utilised by a single common or soprano pipistrelle as a day roost~~. The suspected~~, one (T1) saw two soprano pipistrelles returning to the roost, one (T238) saw two soprano pipistrelles emerge from the roost ~~in T325-327 is believed to be utilised by multiple brown long-eared bats,~~ and ~~surveys are ongoing~~one (T111) saw a common soprano and a *Myotis sp*. return to ~~confirm this. The~~ roost ~~in~~. T321 ~~is~~was being 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, T325, T326 and T327, were believed to be utilised by multiple brown long-eared bats due to potential emergences of

several bats recorded 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.

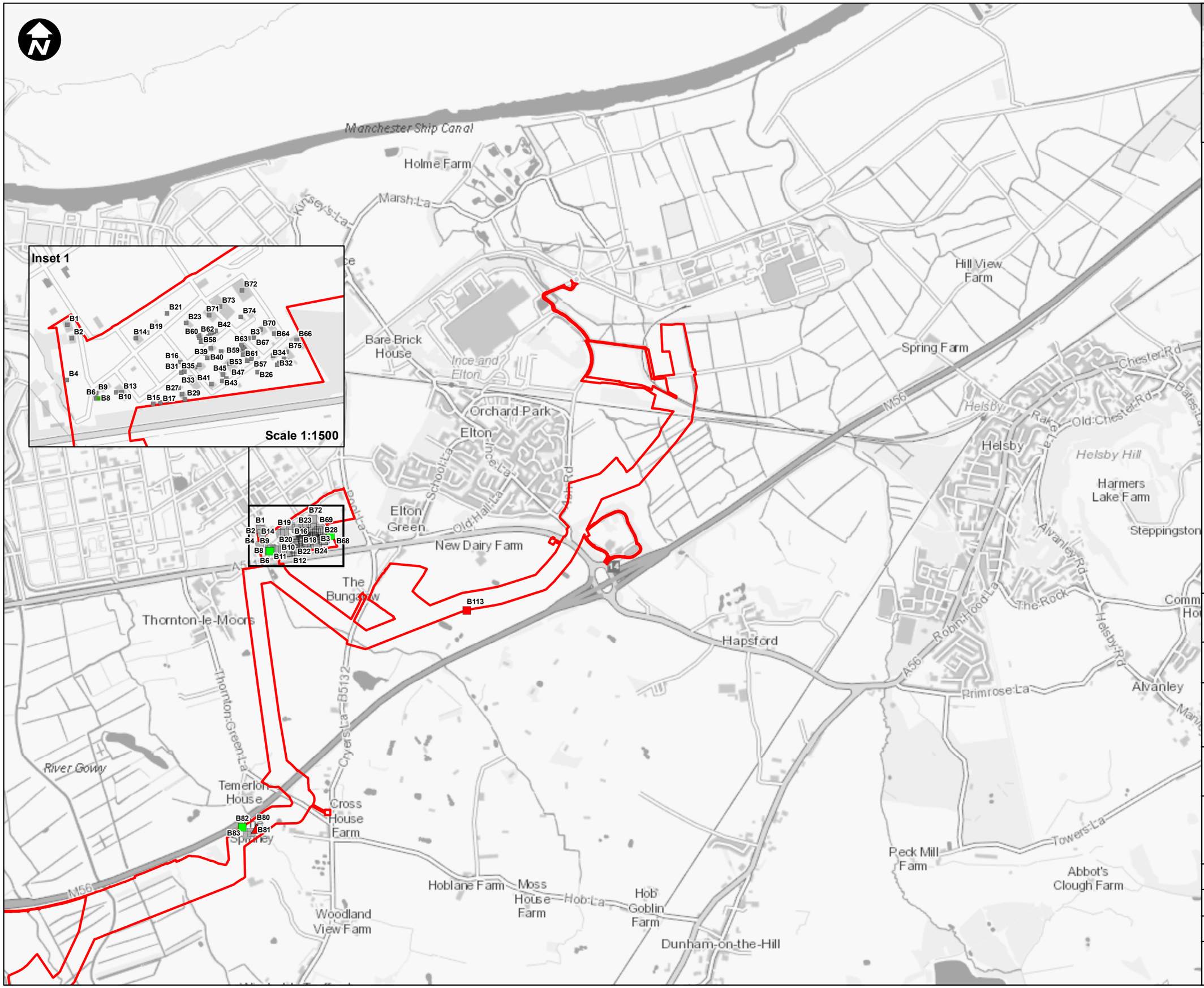
~~3.4.4.~~3.4.6. Confirmed bat roosts (including the potential roosts) are detailed in **Annex E**; **Table 7** and presented in **Figure 9.3.3.** Those trees precautionarily assessed as a roost due to incomplete survey effort are detailed in **Annex D, Table 6**.

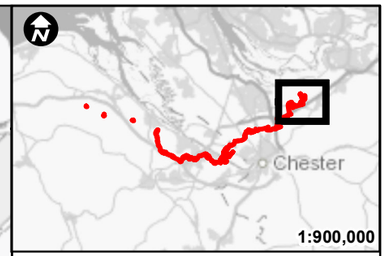
4. REFERENCES

- **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





Key:

Newbuild Infrastructure Boundary

Suitability

- Confirmed Roost
- Precautionary Confirmed Roost
- Low
- Negligible

SCALE:
0 375 750 Metres

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
FOR DCO SUBMISSION

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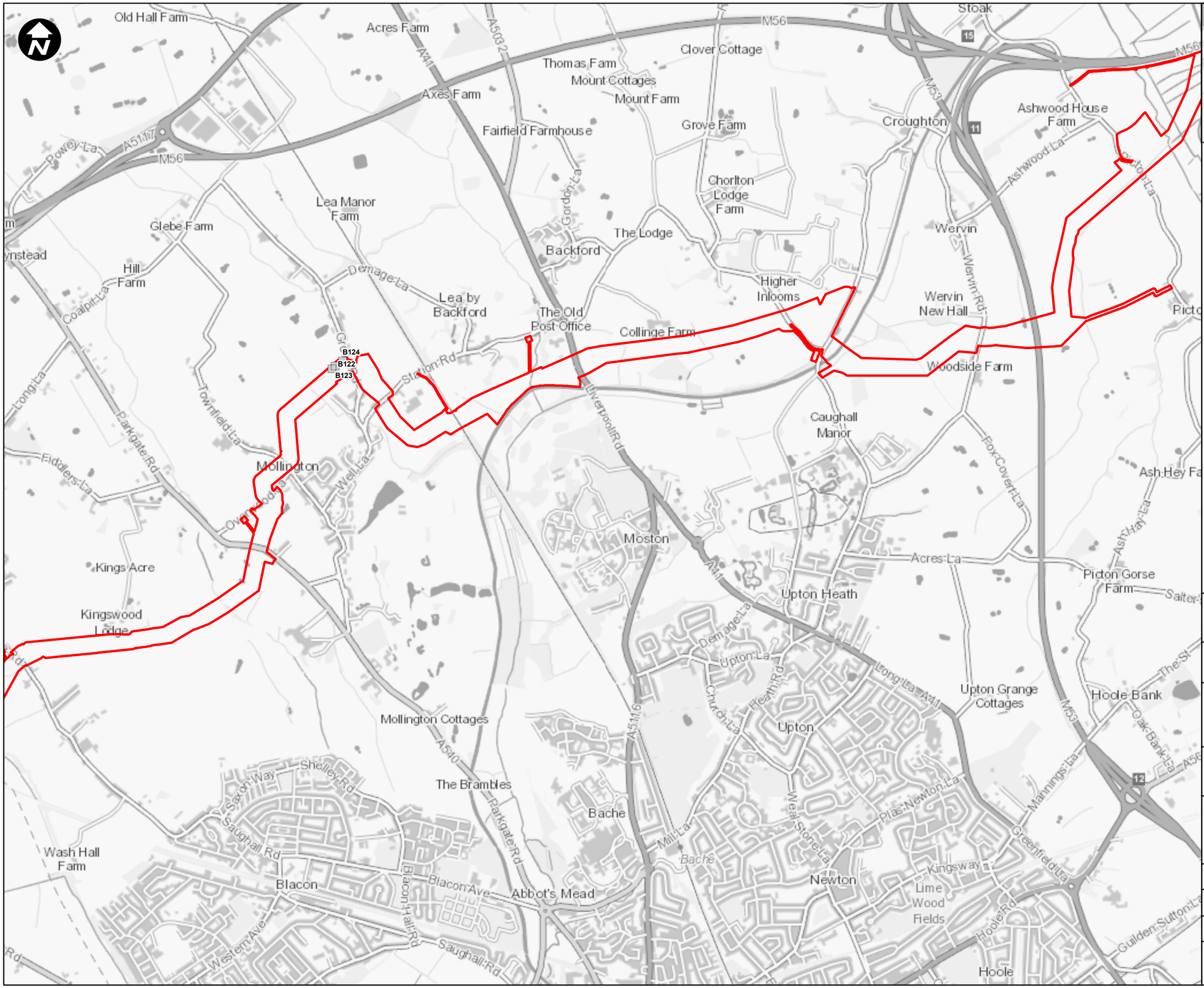

Key:

Newbuild Infrastructure Boundary

Suitability

Negligible

SCALE:

0 375 750 Metres

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

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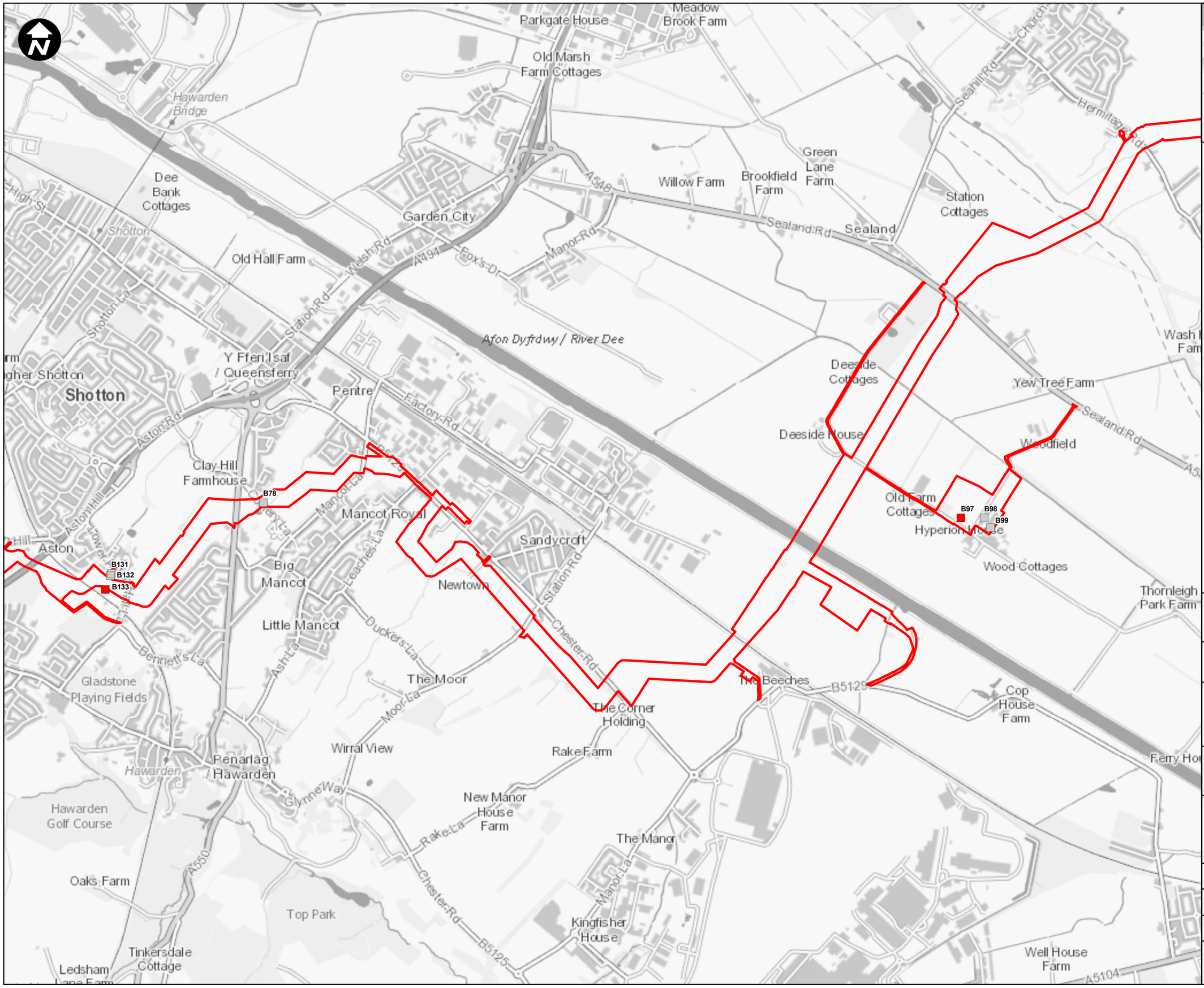

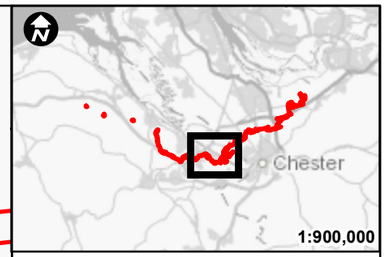

Key:

Newbuild Infrastructure Boundary

Suitability

- Confirmed Roost
- Negligible

SCALE:

0 375 750 Metres

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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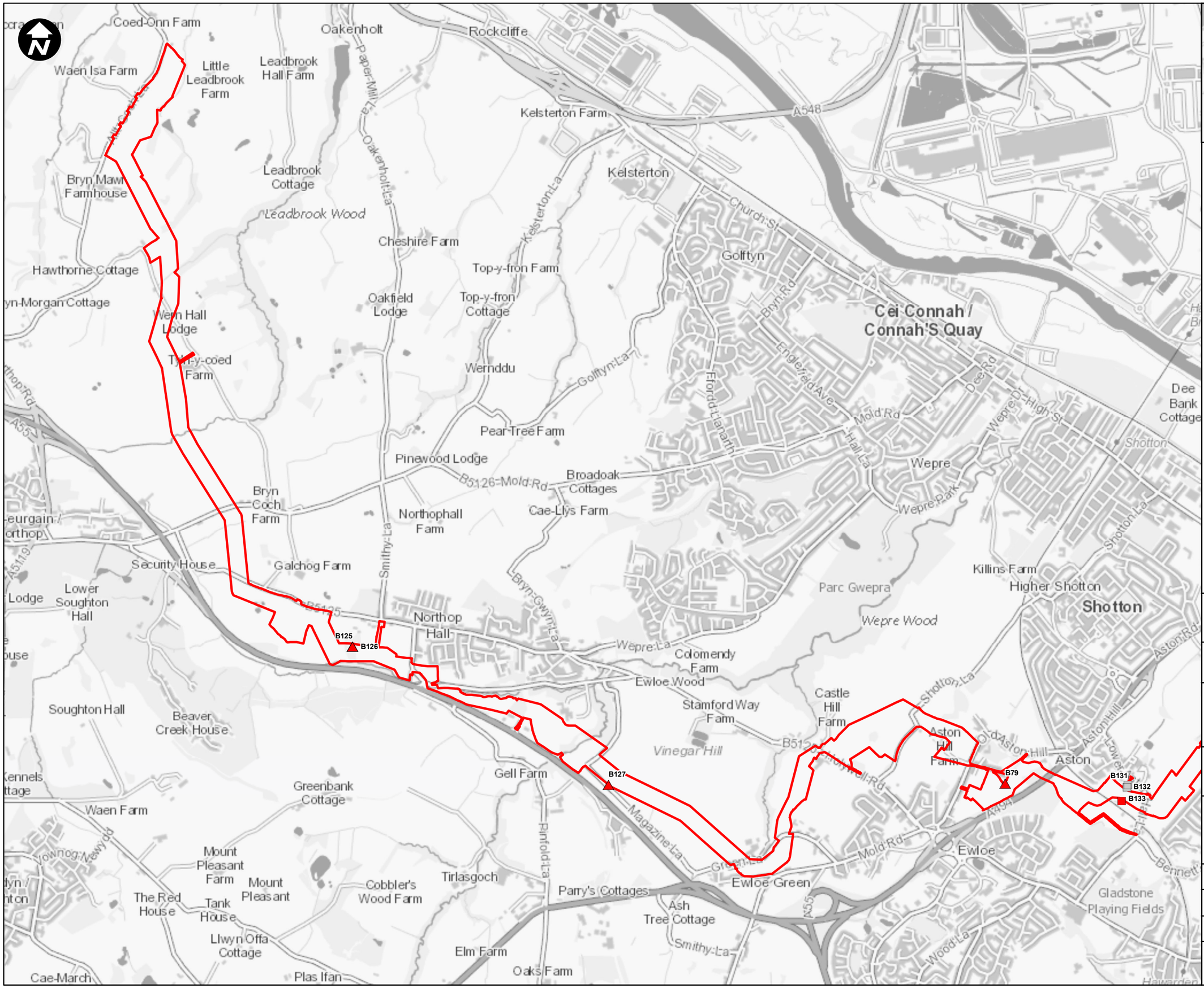

Key:

Newbuild Infrastructure Boundary

Suitability

- Confirmed Roost
- Precautionary Confirmed Roost
- Negligible

SCALE:

0 375 750 Metres

HyNet North West

PROJECT TITLE

HyNet Carbon Dioxide Pipeline DCO

DRAWING TITLE

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

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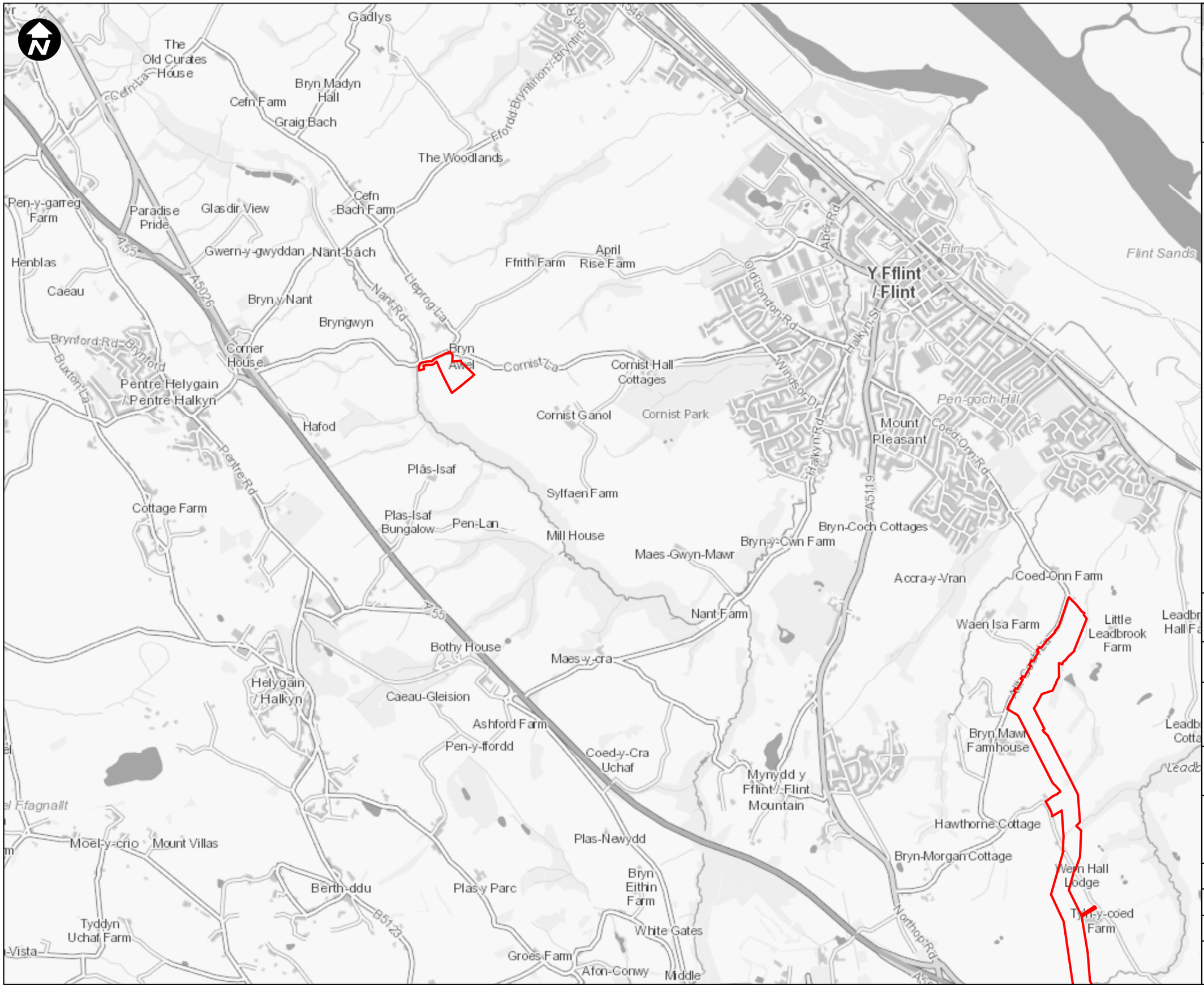

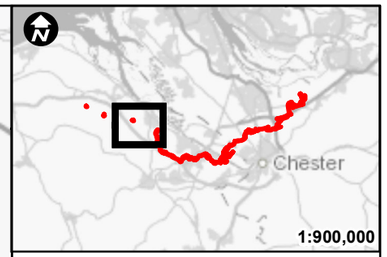

Key:

Newbuild Infrastructure Boundary

SCALE:

0 375 750 Metres

HyNet North West

PROJECT TITLE

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

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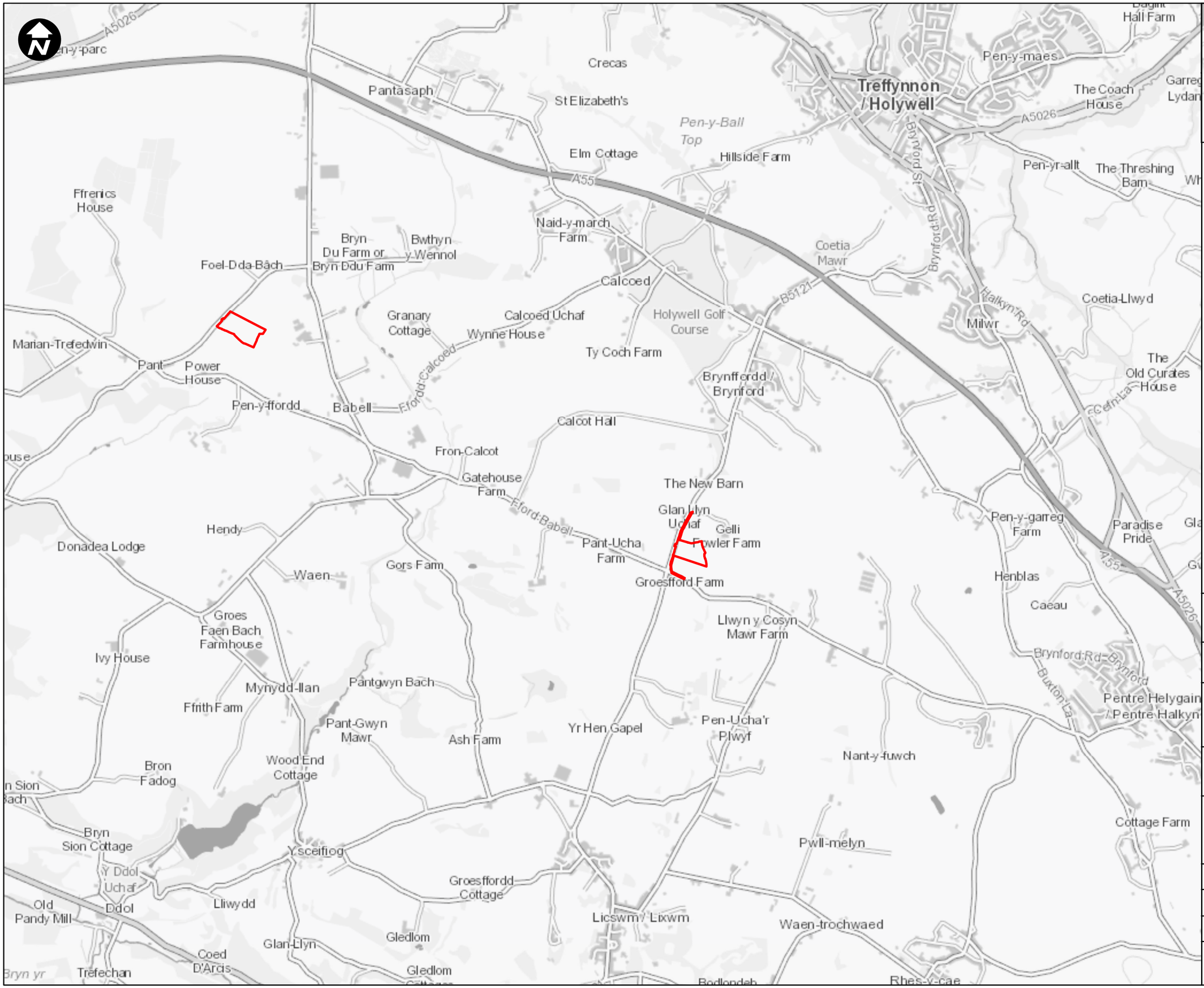

Key:

Newbuild Infrastructure Boundary

SCALE:

0 375 750 Metres

HyNet North West

PROJECT TITLE

HyNet Carbon Dioxide Pipeline DCO

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

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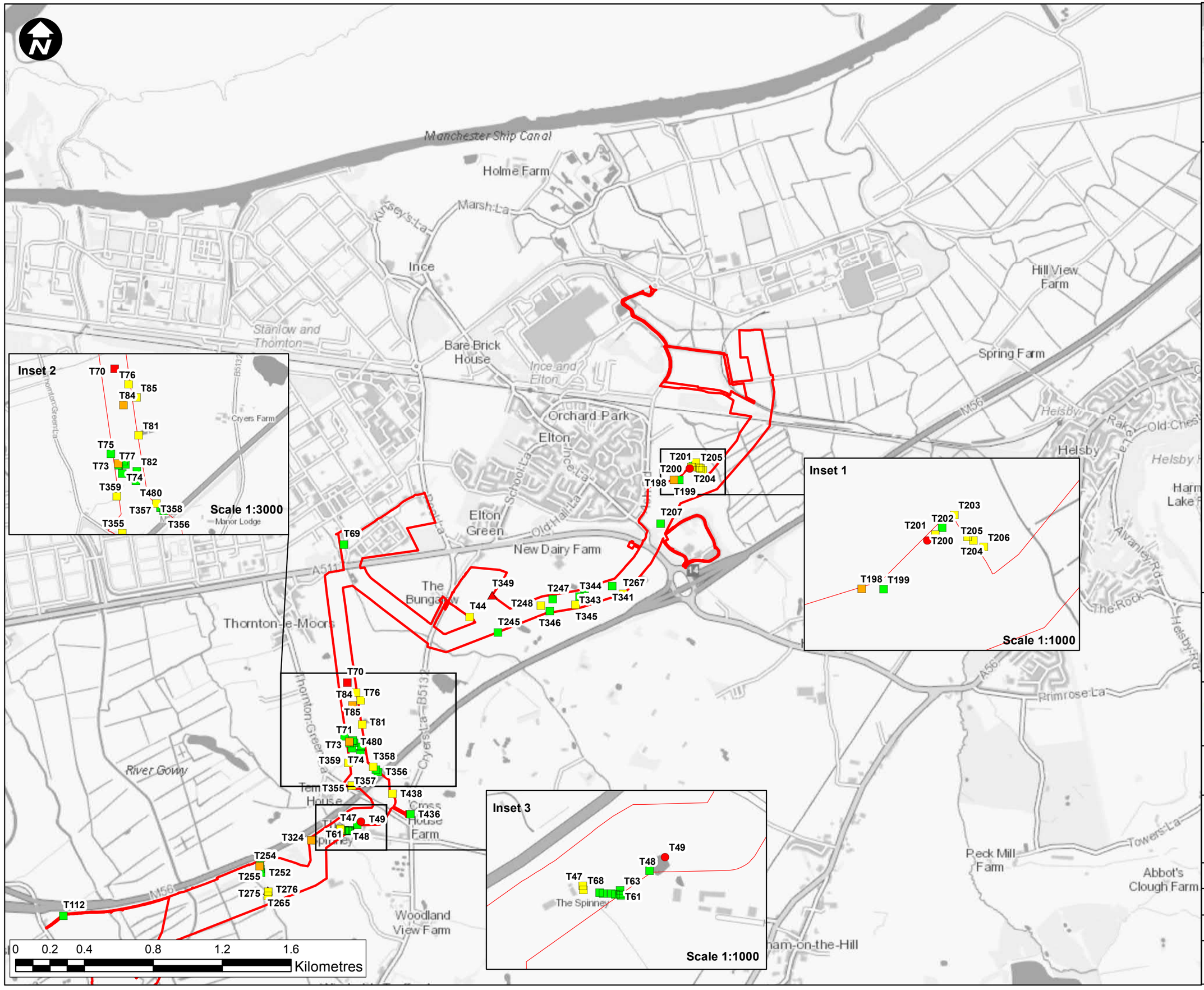

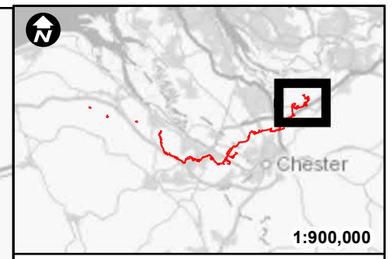

Key:

Newbuild Infrastructure Boundary

Suitability

- Confirmed Roost
- Potential Roost - Confirmed
- Precautionary Confirmed Roost
- Likely absent - High
- Likely absent - Moderate
- Low

HyNet North West

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

DRAWING STATUS

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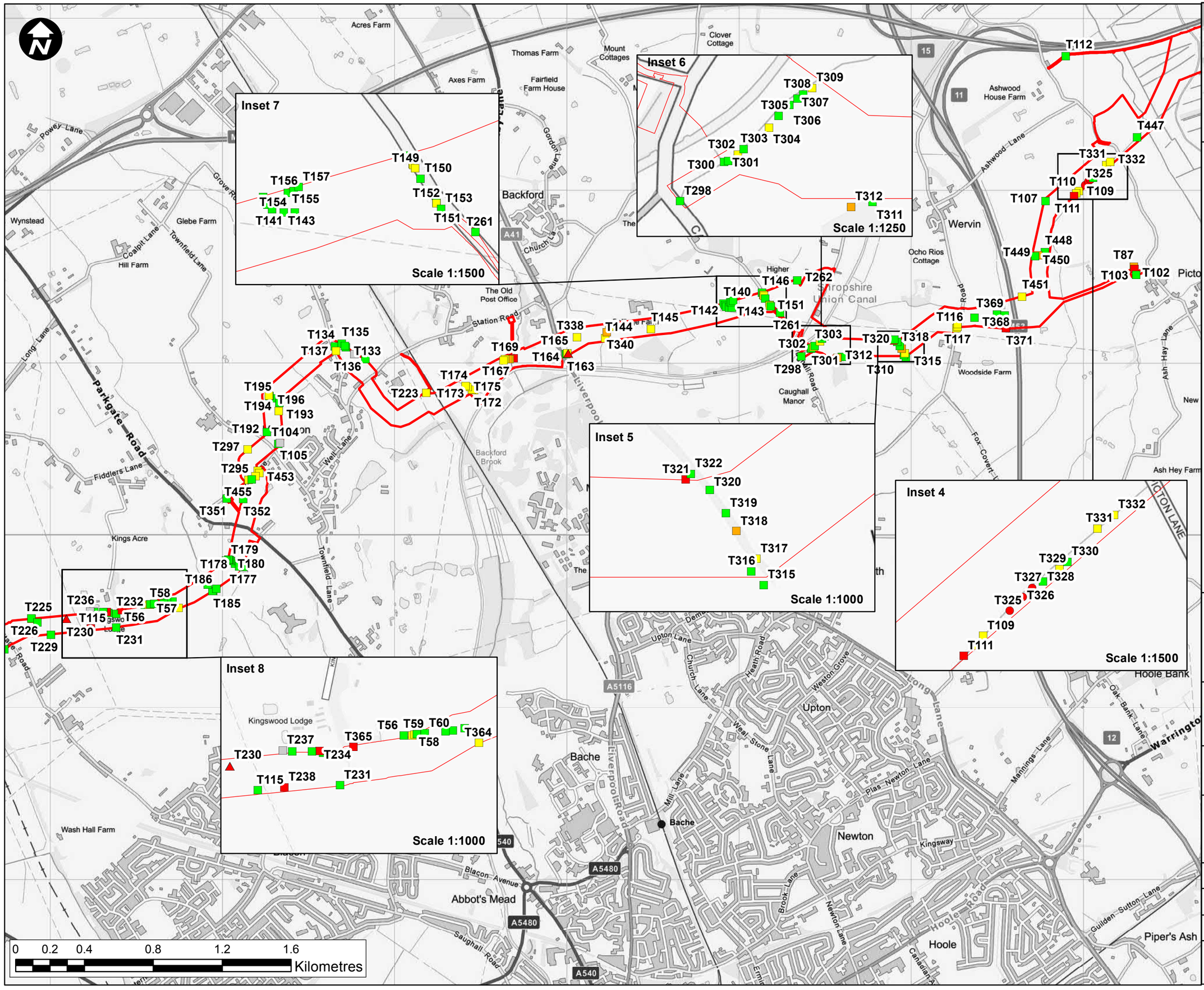

Key:

Newbuild Infrastructure Boundary

Suitability

- Confirmed Roost
- Potential Roost - Confirmed
- Precautionary Confirmed Roost
- Likely absent - High
- Likely absent - Moderate
- Low
- Negligible

HyNet North West

PROJECT TITLE

HyNet North West Carbon Dioxide Pipeline DCO

DRAWING TITLE

Figure 9.3.2 - Trees with Suitability to Support Bat Roosts Sheet 2 of 7

DRAWING STATUS

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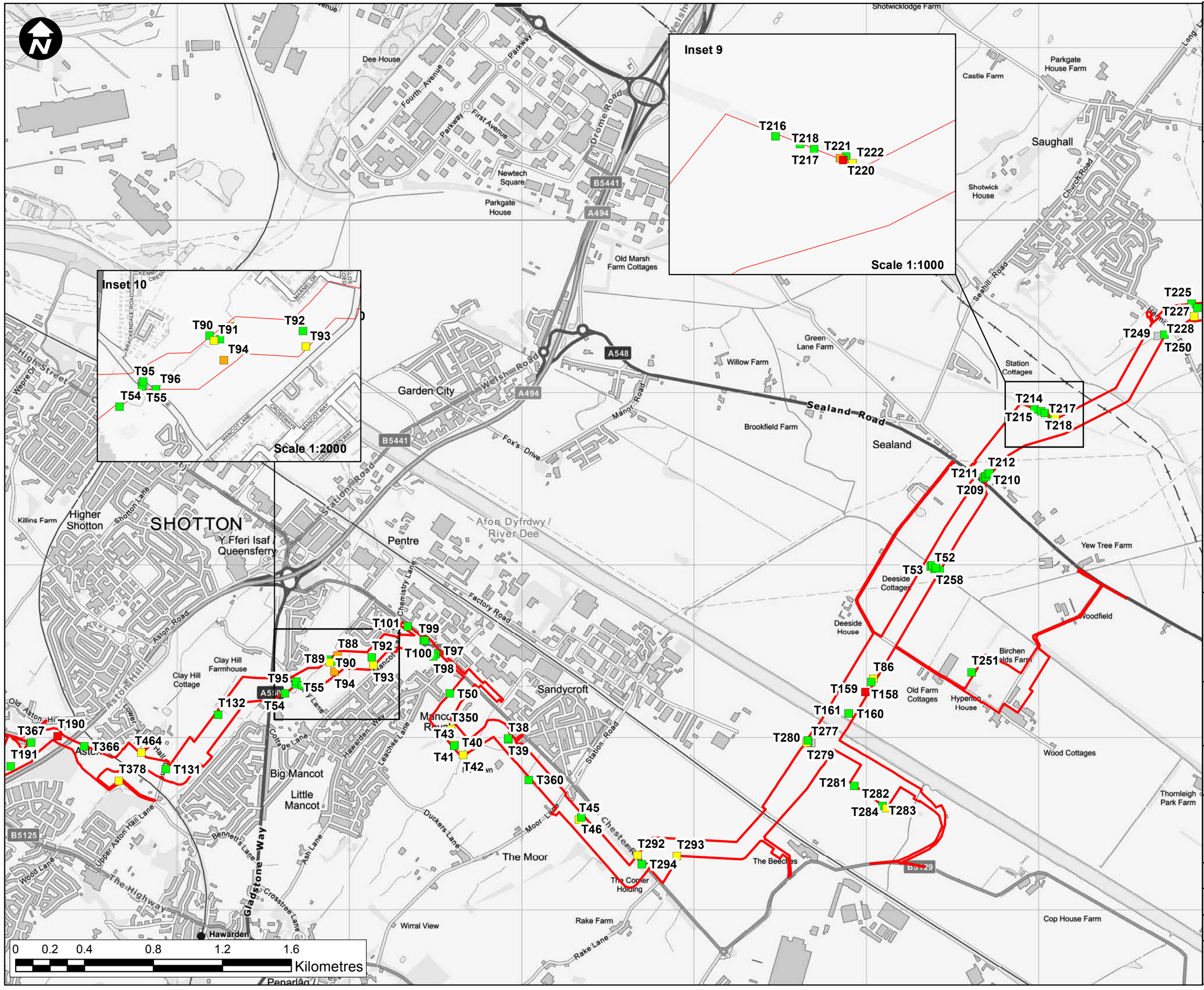

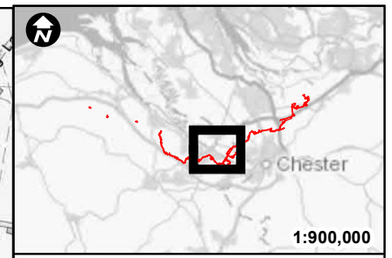

Key:

Newbuild Infrastructure Boundary

Suitability

- Confirmed Roost
- Likely absent - High
- Likely absent - Moderate
- Low
- Negligible

HyNet North West

PROJECT TITLE

HyNet North West Carbon Dioxide Pipeline DCO

DRAWING TITLE

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

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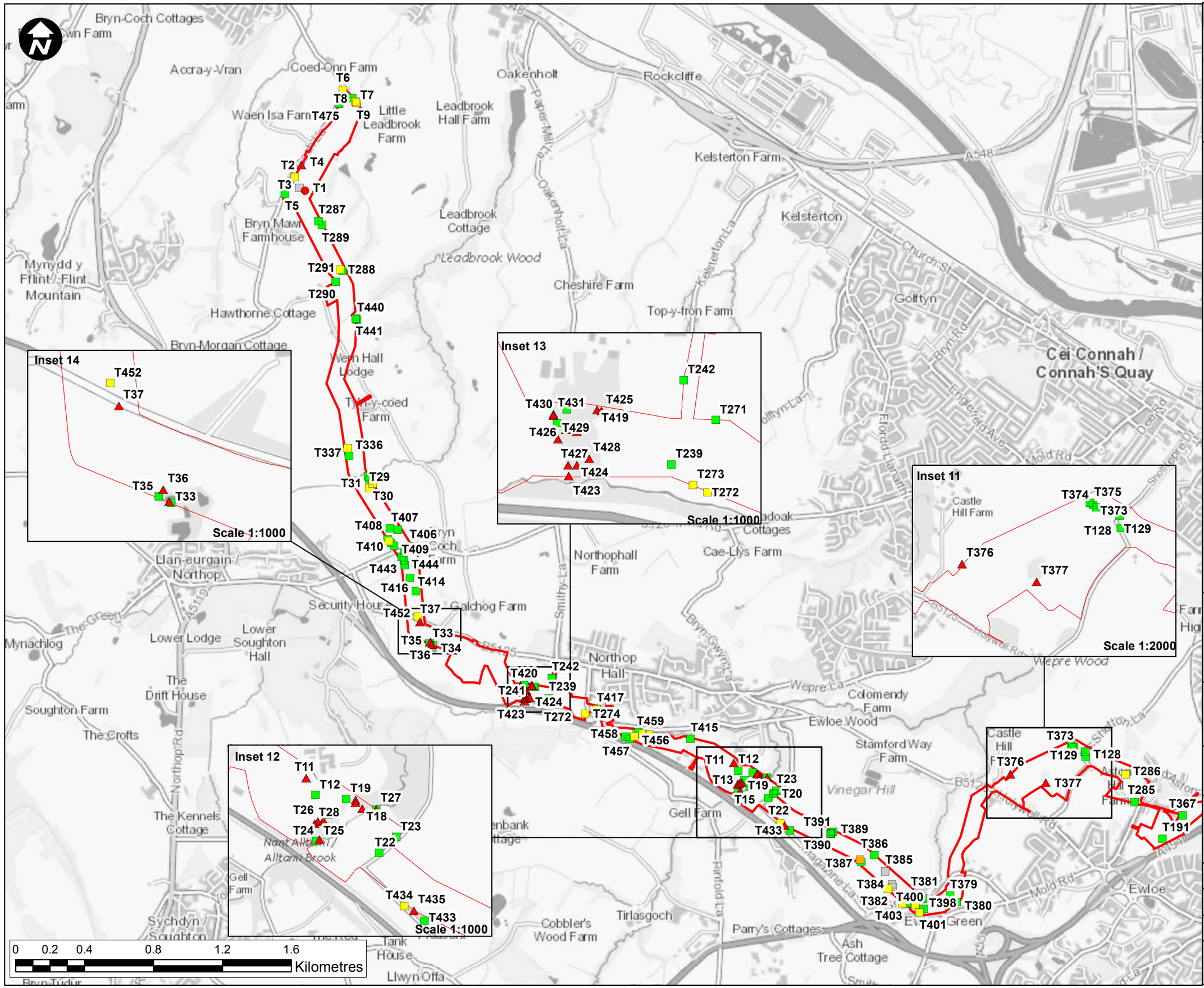

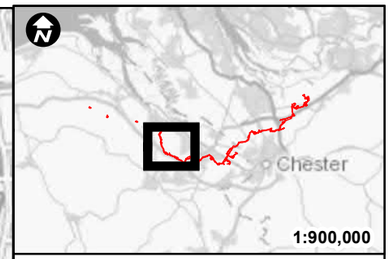

Key:

Newbuild Infrastructure Boundary

Suitability

- Potential Roost - Confirmed
- Precautionary Confirmed Roost
- Likely absent - High
- Likely absent - Moderate
- Low
- Negligible

HyNet North West

PROJECT TITLE

HyNet North West Carbon Dioxide Pipeline DCO

DRAWING TITLE

Figure 9.3.2 - Trees with Suitability to Support Bat Roosts Sheet 4 of 7

DRAWING STATUS

FOR INFORMATION

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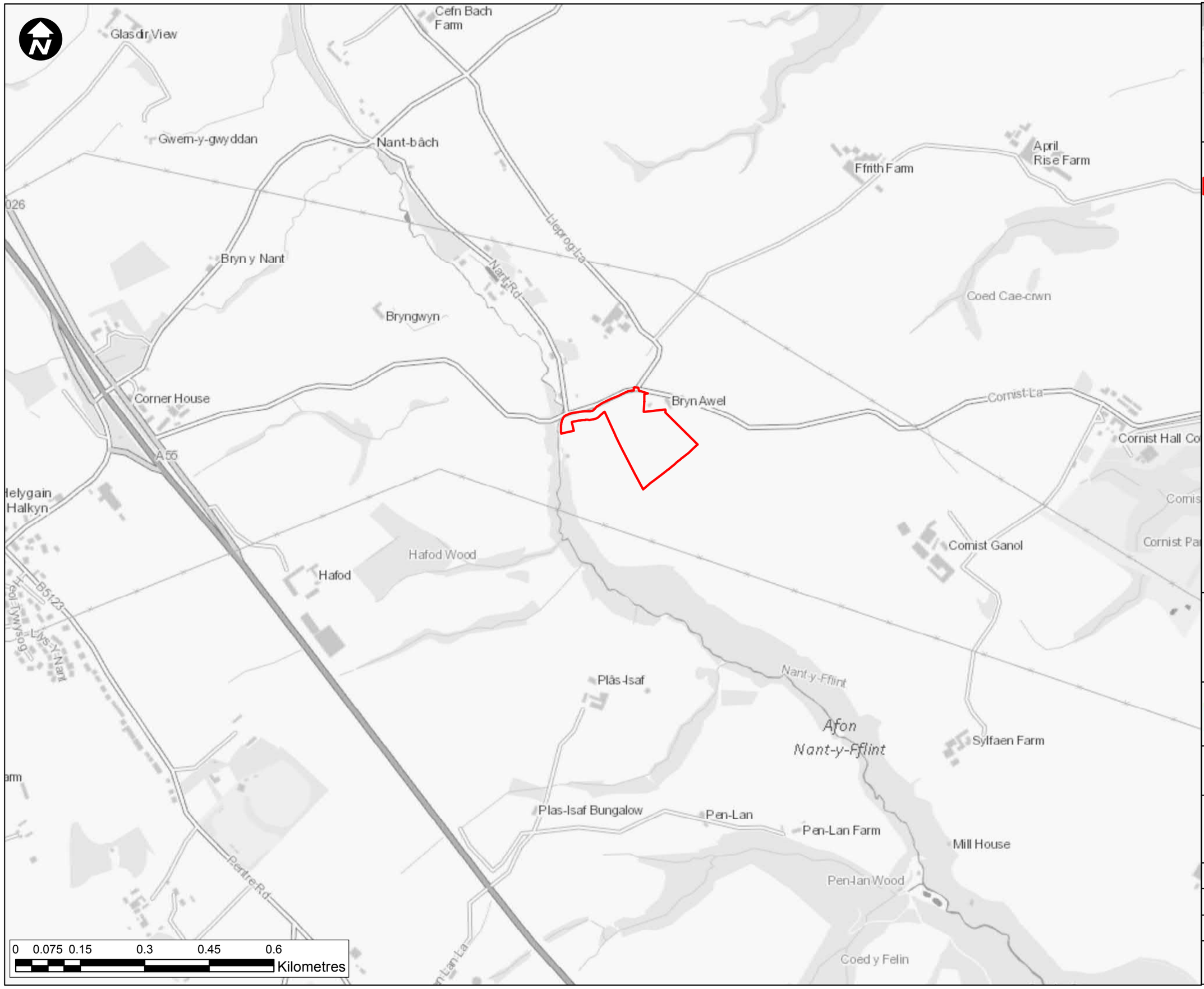

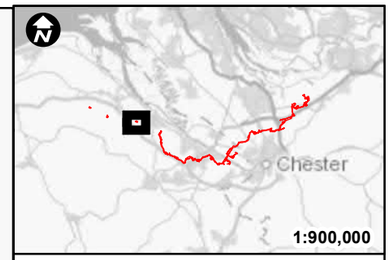

Key:

Newbuild Infrastructure Boundary

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 5 of 7

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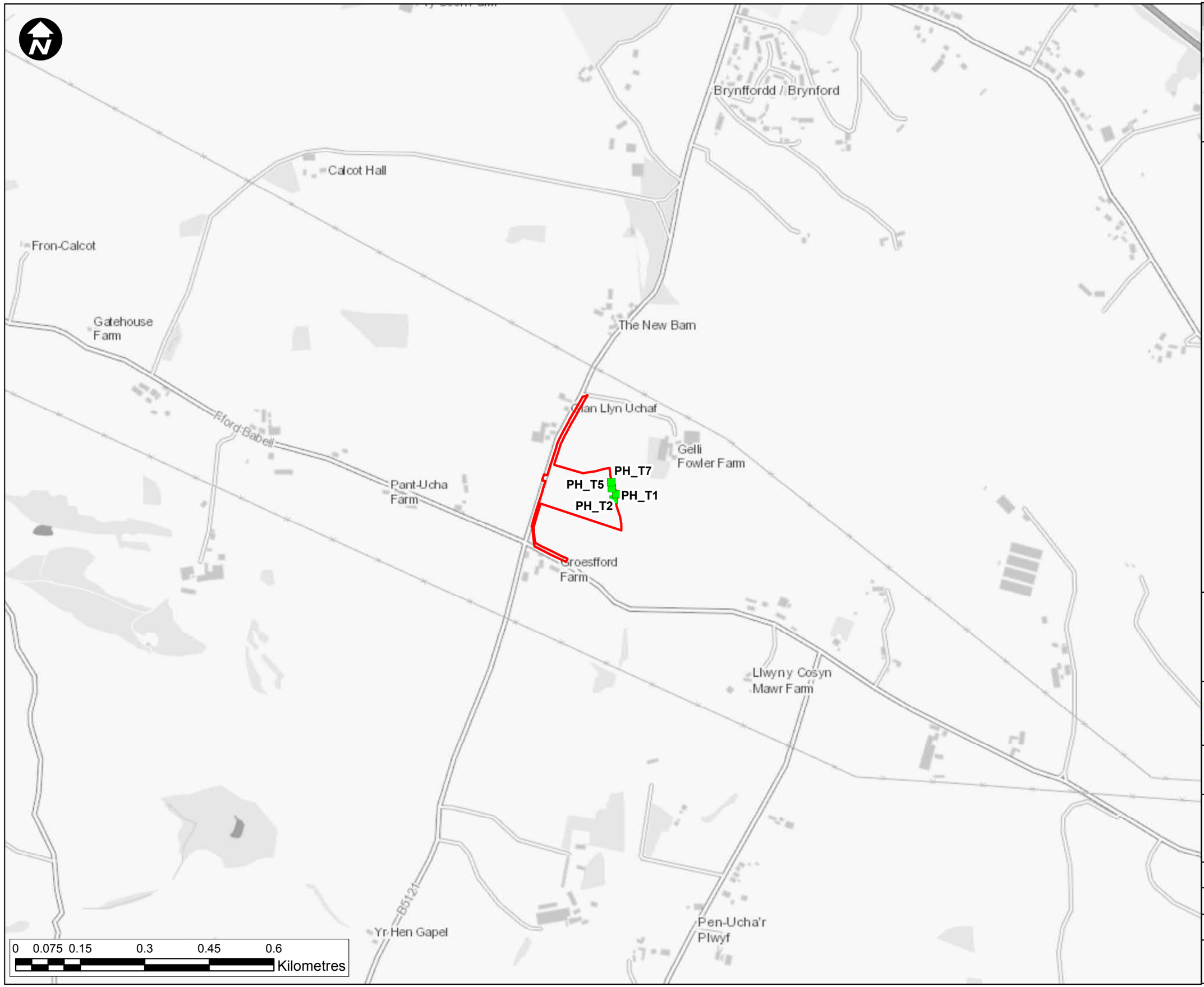

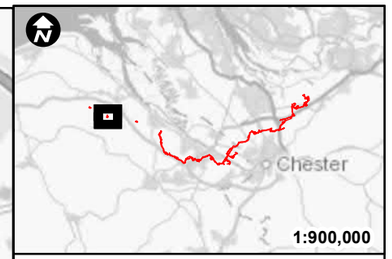

Key:

Newbuild Infrastructure Boundary

Suitability

Low

HyNet North West

PROJECT TITLE

HyNet North West Carbon Dioxide Pipeline DCO

DRAWING TITLE

Figure 9.3.2 - Trees with Suitability to Support Bat Roosts Sheet 6 of 7

DRAWING STATUS

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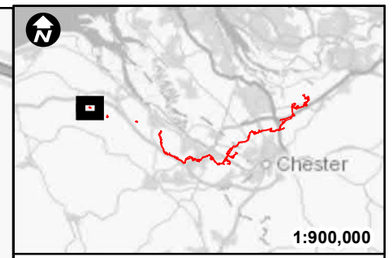

Key:

Newbuild Infrastructure Boundary

Suitability

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

HyNet North West

PROJECT TITLE

HyNet North West Carbon Dioxide Pipeline DCO

DRAWING TITLE

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

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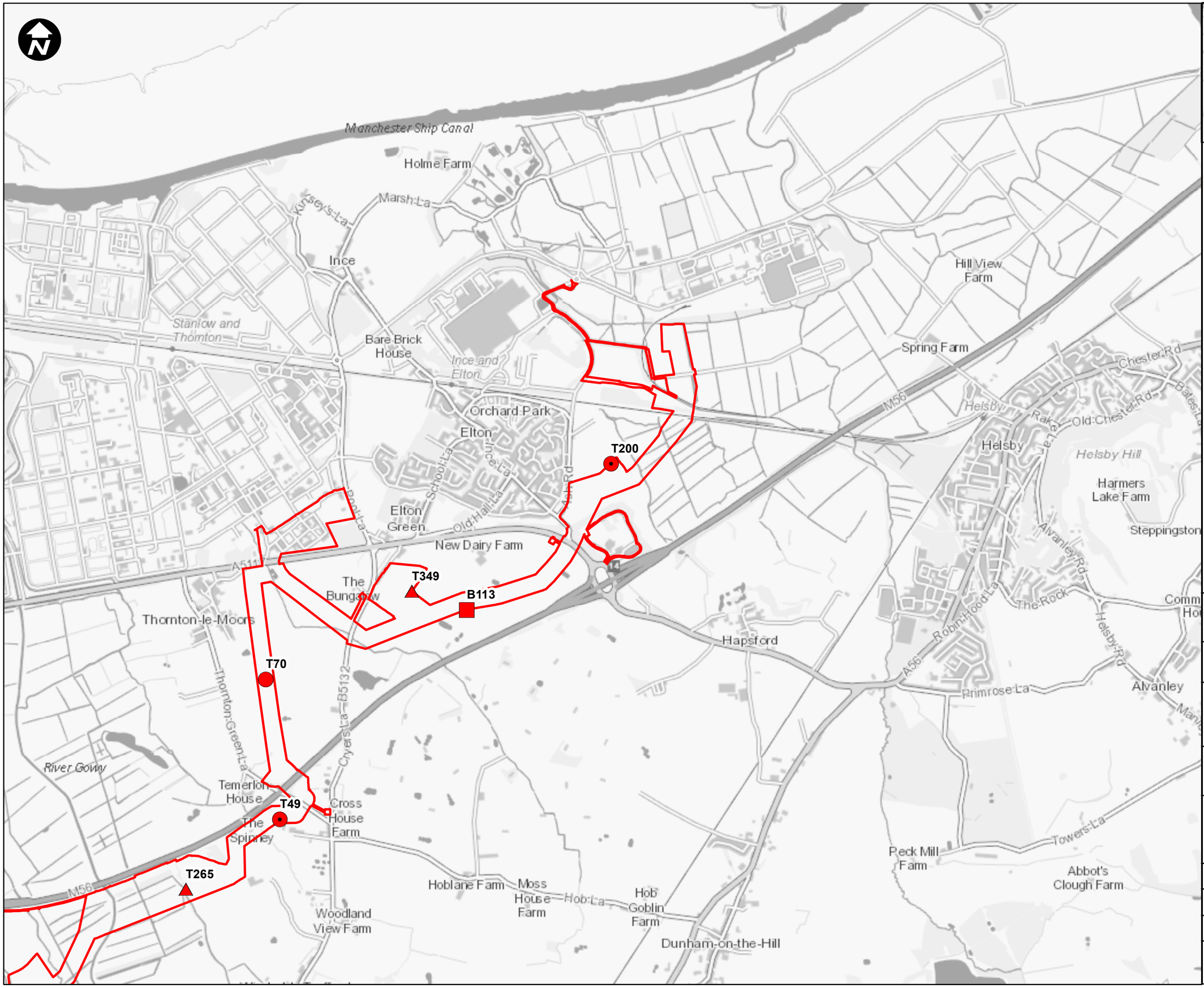

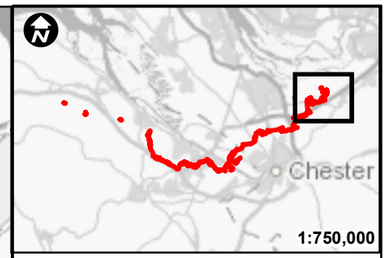

Key:

Newbuild Infrastructure Boundary

Bat Roosts

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

SCALE:
0 200 400 800 Metres

HyNet North West

PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

DRAWING TITLE
Figure 9.3.3
Confirmed Bat Roosts
Sheet 1 of 6

DRAWING STATUS
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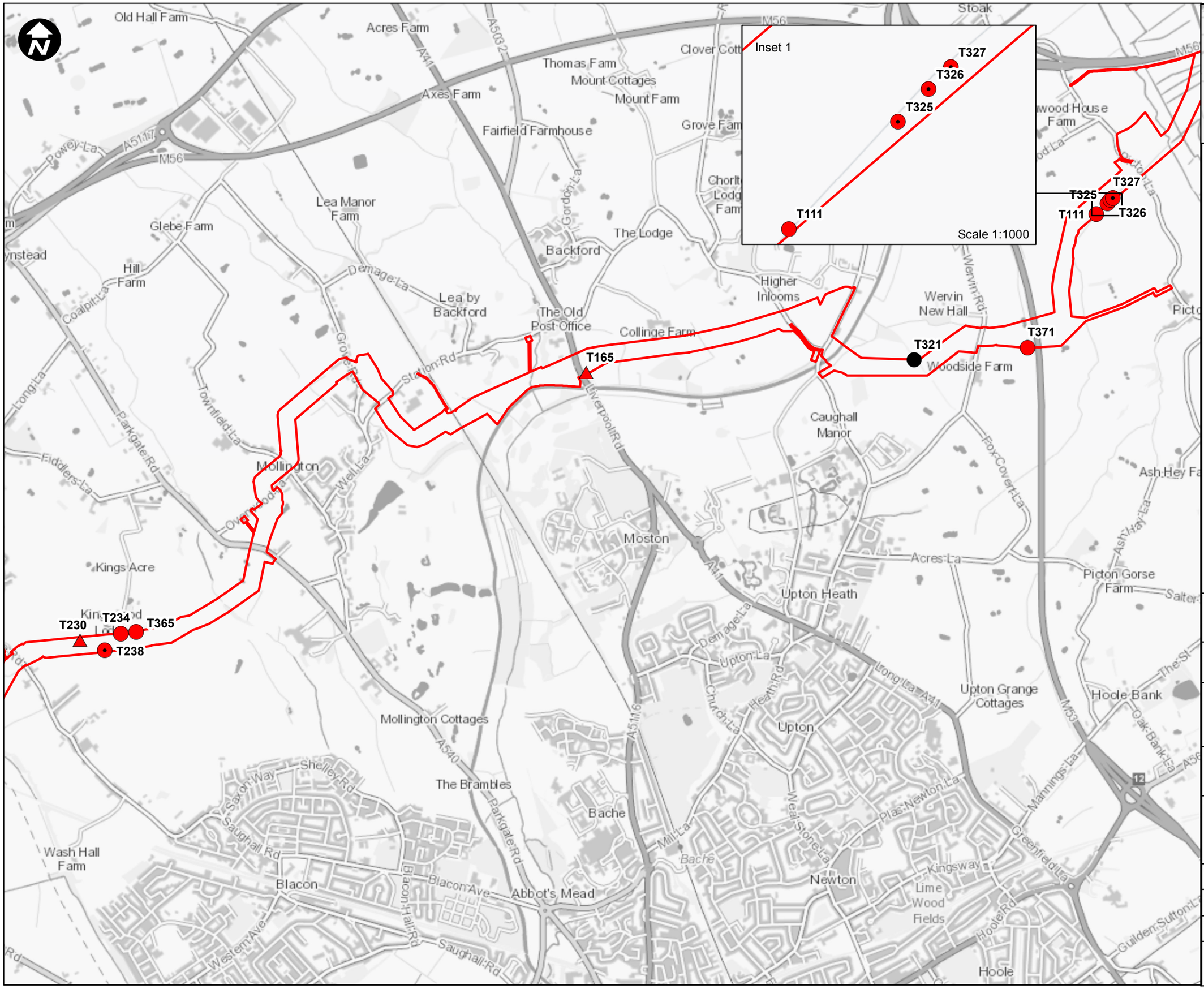

Key:

- Newbuild Infrastructure Boundary

Bat Roosts

- Day roost (Tree)
- Maternity roost (Tree)
- Potential day roost (Tree)
- Precautionary Confirmed Roost

SCALE:

0 200 400 800 Metres

HyNet North West

PROJECT TITLE

HyNet Carbon Dioxide Pipeline DCO

DRAWING TITLE

Figure 9.3.3
Confirmed Bat Roosts
Sheet 2 of 6

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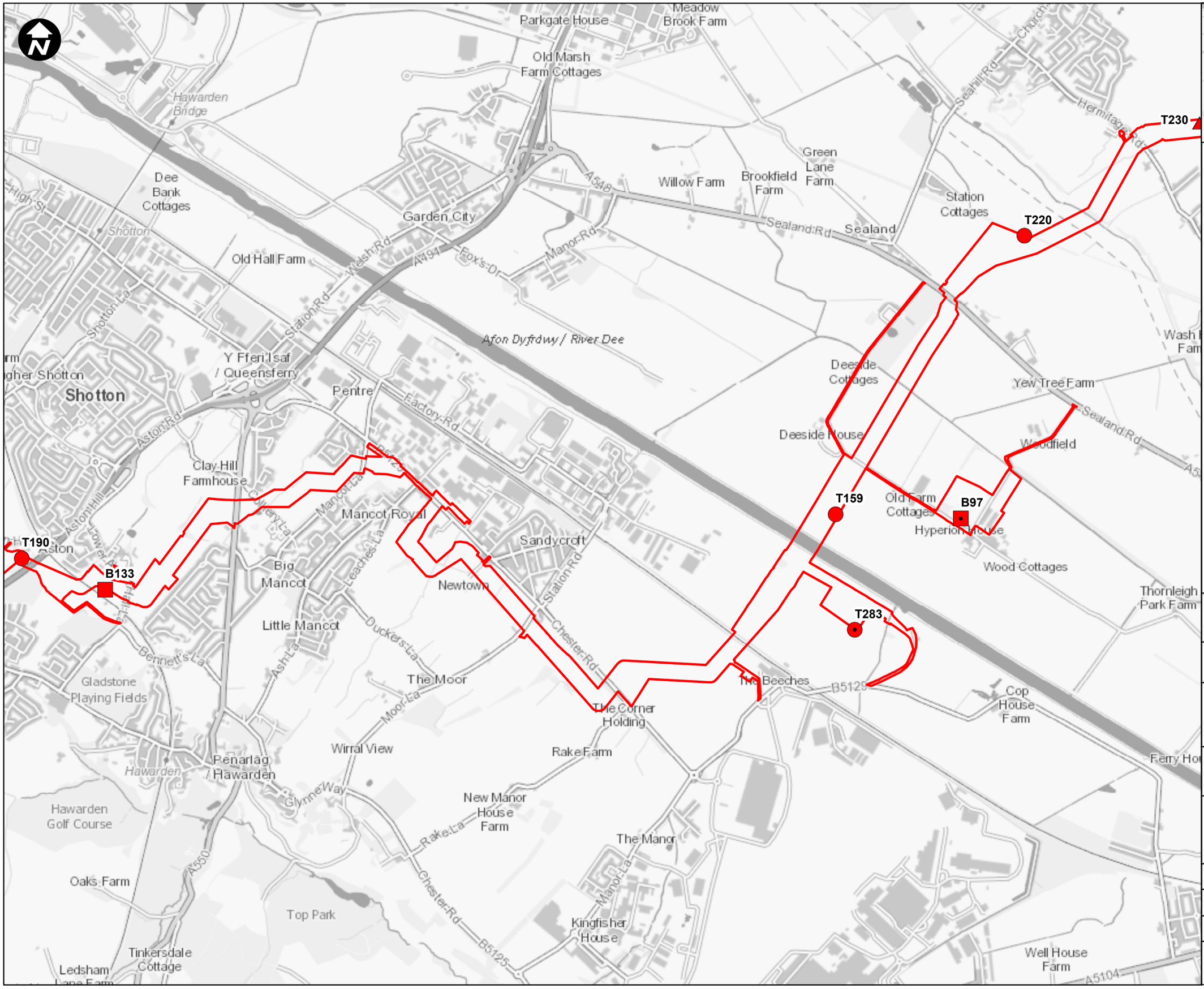


Key:

- Newbuild Infrastructure Boundary

Bat Roosts

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

SCALE:
0 200 400 800 Metres

HyNet North West

PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

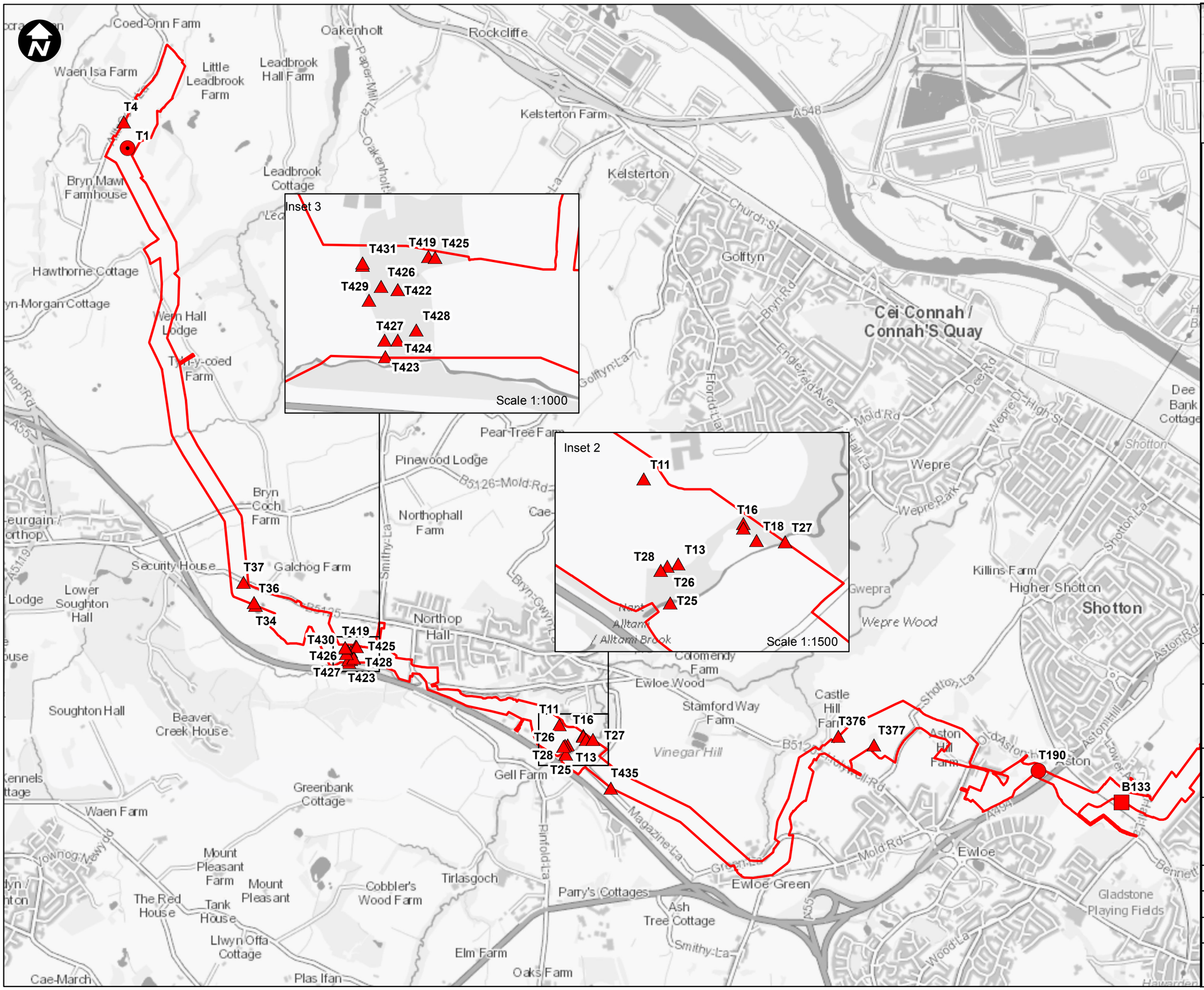
DRAWING TITLE
Figure 9.3.3
Confirmed Bat Roosts
Sheet 3 of 6

DRAWING STATUS
FOR DCO SUBMISSION

DRAWN	CHECKED	APPROVED	AUTHORISED
DM	JK	DC	EH

SCALE @ A3 SIZE	DATE	REVISION
1:20,000	18/01/2023	B

DRAWING NUMBER
EN070007-APP-ES-9.3.3-Sheet 3



Key:

- Newbuild Infrastructure Boundary

Bat Roosts

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

SCALE:
0 200 400 800 Metres

HyNet North West

PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

DRAWING TITLE
Figure 9.3.3
Confirmed Bat Roosts
Sheet 4 of 6

DRAWING STATUS
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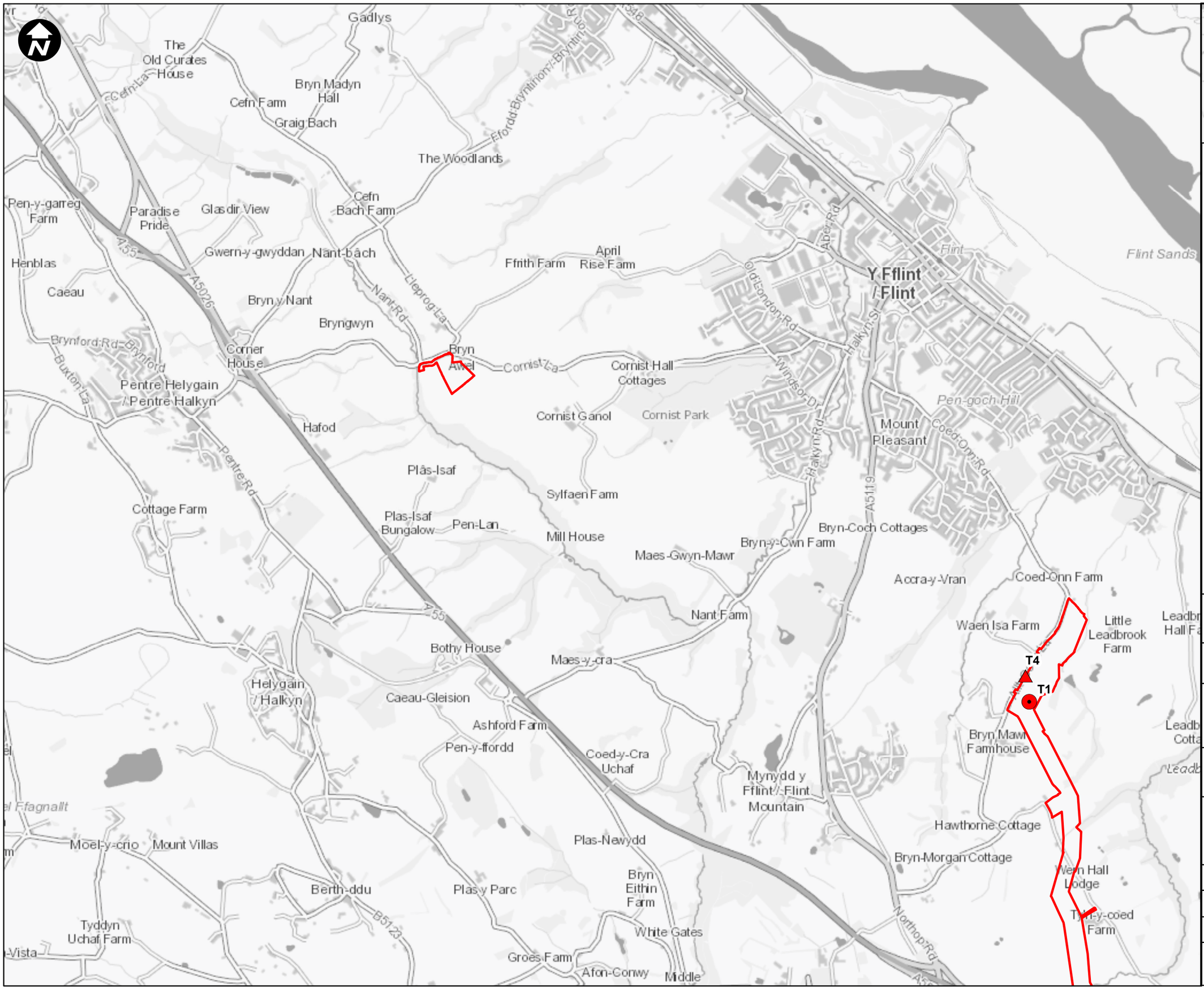
DRAWN	CHECKED	APPROVED	AUTHORISED
DM	JK	DC	EH

SCALE @ A3 SIZE	DATE	REVISION
1:20,000	18/01/2023	B

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



Key:

Newbuild Infrastructure Boundary

Bat Roosts

Potential day roost (Tree)

Precautionary Confirmed Roost

SCALE:

0 200 400 800 Metres

HyNet North West

PROJECT TITLE

HyNet Carbon Dioxide Pipeline DCO

DRAWING TITLE

Figure 9.3.3
Confirmed Bat Roosts
Sheet 5 of 6

DRAWING STATUS

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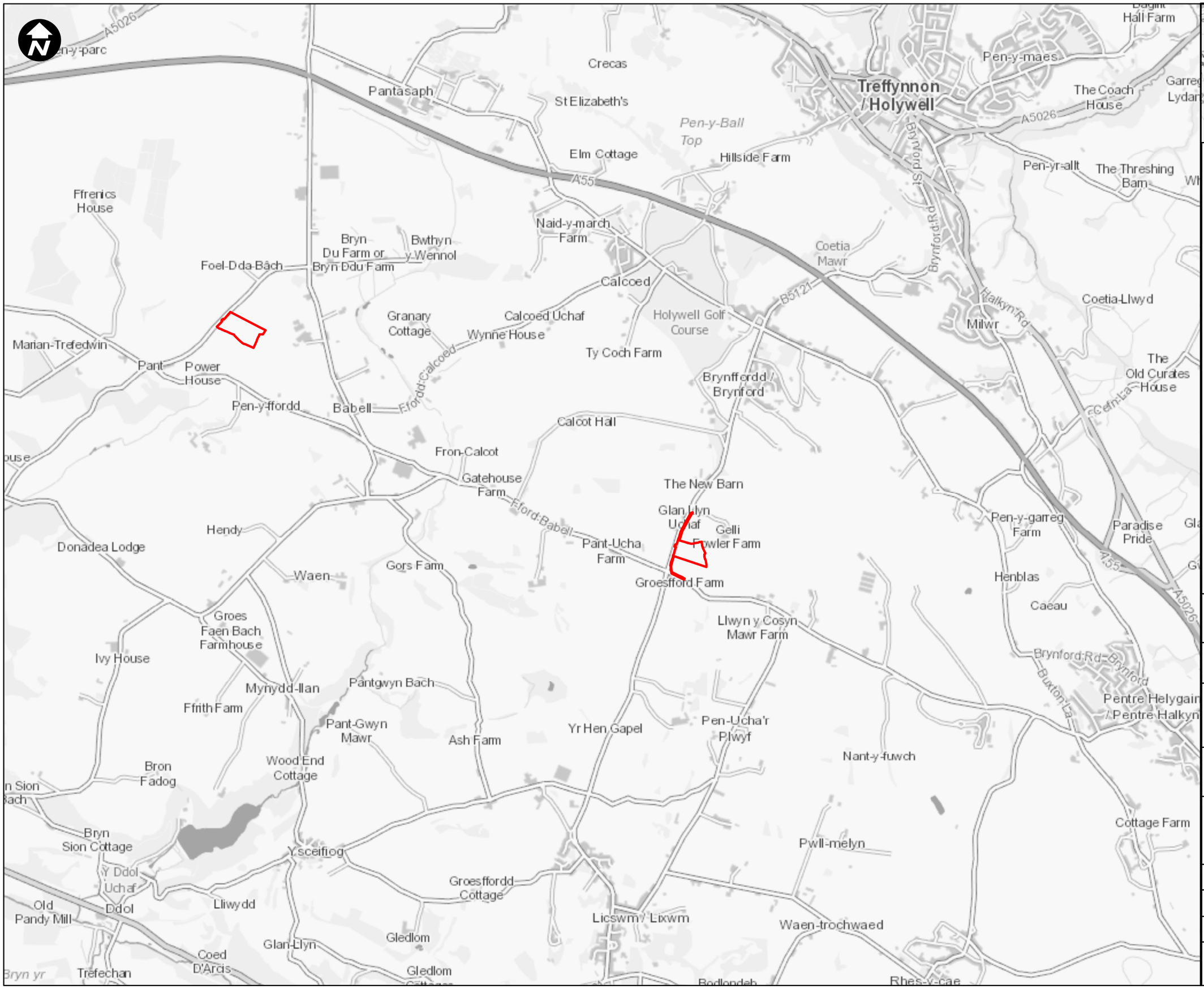
DRAWN	CHECKED	APPROVED	AUTHORISED
DM	JK	DC	EH

SCALE @ A3 SIZE	DATE	REVISION
1:20,000	18/01/2023	B

DRAWING NUMBER

EN070007-APP-ES-9.3.3-Sheet 5



Key:

Newbuild Infrastructure Boundary

SCALE:

0 200 400 800 Metres

HyNet North West

PROJECT TITLE

HyNet Carbon Dioxide Pipeline DCO

DRAWING TITLE

Figure 9.3.3
Confirmed Bat Roosts
Sheet 6 of 6

DRAWING STATUS

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DRAWN	CHECKED	APPROVED	AUTHORISED
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Annex B

DESK STUDY RESULT

Table 4 - Desk Study Results – Records of Bats within 2km of the Newbuild Infrastructure Boundary

Latin Name	Common Name	Date	Distance from Site	Record Details
Pipistrellus pipistrellus	Common pipistrelle	04/07/2012	0.01km south	Number of passes counted with the aid of a bat detector along a roughly triangular route within a 1km square: 9
Pipistrellus pipistrellus	Common pipistrelle	30/07/2012	0.01km south	Number of passes counted with the aid of a bat detector along a roughly triangular route within a 1km square: 11
Pipistrellus pipistrellus	Common pipistrelle	09/08/2017	0.05km west	None
Pipistrellus pipistrellus	Common pipistrelle	05/07/2017	0.05km west	None
Pipistrellus pipistrellus	Common pipistrelle	22/08/2017	0.05km west	None
Pipistrellus pygmaeus	Soprano pipistrelle	22/08/2017	0.05km west	None
Chiroptera sp.	Unidentified bat	13/08/2012	0.13km west	HT: Detector - heterodyne
Myotis daubentonii	Daubenton's bat	13/08/2012	0.13km west	HT: Detector - heterodyne
Plecotus auritus	Brown long-eared bat	22/08/2017	0.18km west	None
Nyctalus noctula	Noctule	15/06/2013	0.23km south	None
Pipistrellus pipistrellus	Common pipistrelle	15/06/2013	0.27km south	None
Chiroptera sp.	Unidentified bat	15/06/2013	0.27km south	None
Pipistrellus pipistrellus	Common pipistrelle	30/08/2016	0.31km east	None
Nyctalus noctula	Noctule	30/08/2016	0.31km east	None
Pipistrellus pygmaeus	Soprano pipistrelle	30/08/2016	0.31km east	None
Rhinolophus hipposideros	Lesser horseshoe bat	06/06/2016	0.34km south-west	Summer day roost in cottage. Emergence survey.
Nyctalus noctula	Noctule	06/06/2016	0.34km south-west	Foraging in area. Emergence survey.
Pipistrellus pipistrellus	Common pipistrelle	06/06/2016	0.34km south-west	Foraging in area. Emergence survey.
Chiroptera sp.	Unidentified bat	05/07/2017	0.34km east	None
Pipistrellus pipistrellus	Common pipistrelle	01/08/2019	0.45km south	Roosting in Buildings
Pipistrellus pygmaeus	Soprano pipistrelle	01/08/2019	0.45km south	Roosting in Buildings
Rhinolophus hipposideros	Lesser horseshoe bat	01/08/2019	0.45km south	Roosting in Buildings
Pipistrellus pipistrellus	Common pipistrelle	01/05/2012	0.49km north-west	Emergence observation
Plecotus auritus	Brown long-eared bat	01/05/2012	0.49km north-west	Observed in roof
Pipistrellus pipistrellus	Common pipistrelle	16/08/2012	0.53km north	None
Pipistrellus pipistrellus	Common pipistrelle	13/08/2012	0.53km north	None
Pipistrellus pipistrellus	Common pipistrelle	06/08/2012	0.53km north	None
Chiroptera sp.	Unidentified bat	06/08/2012	0.53km north	None
Chiroptera sp.	Unidentified bat	13/08/2012	0.53km north	None
Chiroptera sp.	Unidentified bat	16/08/2012	0.53km north	None
Plecotus auratus	Brown long-eared bat	06/08/2012	0.53km north	None
Plecotus auratus	Brown long-eared bat	13/08/2012	0.53km north	None
Plecotus auratus	Brown long-eared bat	16/08/2012	0.53km north	None
Nyctalus noctule	Noctule	06/08/2012	0.53km north	None
Nyctalus noctule	Noctule	16/08/2012	0.53km north	None
Nyctalus noctule	Noctule	13/08/2012	0.53km north	None
Pipistrellus pygmaeus	Soprano pipistrelle	13/08/2012	0.53km north	None
Pipistrellus pygmaeus	Soprano pipistrelle	16/08/2012	0.53km north	None
Pipistrellus pygmaeus	Soprano pipistrelle	06/08/2012	0.53km north	None

Latin Name	Common Name	Date	Distance from Site	Record Details
Pipistrellus pygmaeus	Soprano pipistrelle	15/06/2013	0.54km south	None
Pipistrellus pipistrellus	Common pipistrelle	20/08/2012	0.58km north	None
Plecotus auritus	Brown long-eared bat	20/08/2012	0.58km north	None
Pipistrellus pygmaeus	Soprano pipistrelle	20/08/2012	0.58km north	None
Pipistrellus pygmaeus	Soprano pipistrelle	13/08/2019	0.59km south-east	Adult. Roost
Pipistrellus pipistrellus	Common pipistrelle	20/07/2014	0.59km north	None
Pipistrellus pipistrellus	Common pipistrelle	24/06/2014	0.59km north	None
Pipistrellus pipistrellus	Common pipistrelle	02/07/2014	0.59km north	None
Plecotus auritus	Brown long-eared bat	24/06/2014	0.59km north	None
Pipistrellus pygmaeus	Soprano pipistrelle	24/06/2014	0.59km north	None
Pipistrellus pipistrellus	Common pipistrelle	28/08/2018	0.59km south	None
Pipistrellus pipistrellus	Common pipistrelle	04/09/2018	0.59km south	None
Chiroptera sp.	Unidentified bat	04/09/2018	0.59km south	None
Chiroptera sp.	Unidentified bat	16/08/2018	0.59km south	None
Plecotus auratus	Brown long-eared bat	16/08/2018	0.59km south	None
Plecotus auratus	Brown long-eared bat	28/08/2018	0.59km south	None
Nyctalus noctula	Noctule	04/09/2018	0.59km south	None
Nyctalus noctula	Noctule	28/08/2018	0.59km south	None
Pipistrellus pygmaeus	Soprano pipistrelle	16/08/2018	0.59km south	None
Pipistrellus pygmaeus	Soprano pipistrelle	04/09/2018	0.59km south	None
Plecotus auratus	Brown long-eared bat	12/2017-12/2017	0.60km north	None
Pipistrellus pipistrellus	Common pipistrelle	16/08/2018	0.60km south	None
Nyctalus noctula	Noctule	16/08/2018	0.60km south	None
Pipistrellus sp.	Pipistrelle sp.	11/03/2020	0.69km south	Adult. Roost.
Pipistrellus sp.	Pipistrelle sp.	12/03/2020	0.69km south	Adult. Roost.
Pipistrellus sp.	Pipistrelle sp.	08/04/2019	0.69km south	Adult
Pipistrellus pipistrellus	Common pipistrelle	23/06/2017	0.71km south-east	Adult
Pipistrellus pipistrellus	Common pipistrelle	01/07/2017	0.71km south-east	Adult
Nyctalus noctula	Noctule	23/06/2017	0.71km south-east	Adult
Pipistrellus pygmaeus	Soprano pipistrelle	01/07/2017	0.71km south-east	Adult
Nyctalus noctula	Noctule	12/09/2019	0.73km south-east	None
Pipistrellus pygmaeus	Soprano pipistrelle	12/09/2019	0.73km south-east	None
Pipistrellus pygmaeus	Soprano pipistrelle	09/07/2019	0.74km south	Emergence.
Pipistrellus pygmaeus	Soprano pipistrelle	25/07/2019	0.74km south	Emergence.
Chiroptera sp.	Unidentified bat	25/07/2019	0.74km south	None
Chiroptera sp.	Unidentified bat	09/07/2019	0.74km south	None
Plecotus auratus	Brown long-eared bat	17/07/2019	0.74km south	None
Plecotus auritus	Brown long-eared bat	19/06/2019	0.74km south	None
Pipistrellus pygmaeus	Soprano pipistrelle	25/07/2019	0.74km south	None
Pipistrellus pygmaeus	Soprano pipistrelle	09/07/2019	0.74km south	None
Pipistrellus pygmaeus	Soprano pipistrelle	02/07/2019	0.74km south	None
Pipistrellus sp.	Pipistrelle sp.	25/07/2019	0.74km south	None
Pipistrellus sp.	Pipistrelle sp.	09/07/2019	0.74km south	None

Latin Name	Common Name	Date	Distance from Site	Record Details
Pipistrellus sp.	Pipistrelle sp.	19/06/2019	0.74km south	None
Chiroptera sp.	Unidentified bat	09/08/2017	0.79km north-west	None
Pipistrellus pygmaeus	Soprano pipistrelle	05/07/2017	0.79km north-west	None
Plecotus auratus	Brown long-eared bat	11/03/2020	0.79km south	Adult. Roost.
Chiroptera sp.	Unidentified bat	22/08/2017	0.79km north-west	None
Pipistrellus pygmaeus	Soprano pipistrelle	09/08/2017	0.8km north-west	None
Plecotus auratus	Brown long-eared bat	29/05/2019	0.8km south	Emergence
Chiroptera sp.	Unidentified bat	18/06/2019	0.8km south	None
Plecotus auratus	Brown long-eared bat	29/05/2019	0.8km south	None
Plecotus auritus	Brown long-eared bat	02/07/2019	0.8km south	None
Pipistrellus pygmaeus	Soprano pipistrelle	29/05/2019	0.8km south	None
Pipistrellus pygmaeus	Soprano pipistrelle	02/07/2019	0.8km south	None
Pipistrellus pygmaeus	Soprano pipistrelle	18/06/2019	0.8km south	None
Pipistrellus sp.	Pipistrelle sp.	18/06/2019	0.8km south	None
Pipistrellus sp.	Pipistrelle sp.	29/05/2019	0.8km south	None
Pipistrellus sp.	Pipistrelle sp.	02/07/2019	0.8km south	None
Plecotus auritus	Brown long-eared bat	03/04/2019	0.8km south	Adult male
Pipistrellus pipistrellus	Common pipistrelle	06/09/2014	0.83km south	None
Plecotus auratus	Brown long-eared bat	11/08/2016	0.83km south	None
Pipistrellus pygmaeus	Soprano pipistrelle	24/05/2016	0.83km south	None
Plecotus auratus	Brown long-eared bat	06/09/2014	0.83km south	None
Nyctalus noctula	Noctule	06/09/2014	0.83km south	None
Pipistrellus pygmaeus	Soprano pipistrelle	06/09/2014	0.83km south	None
Myotis daunbentonii	Daubenton's bat	06/09/2014	0.83km south	None
Plecotus auritus	Brown long-eared bat	16/05/2015-17/05/2015	0.83km south	None
Pipistrellus pygmaeus	Soprano pipistrelle	16/05/2015-17/05/2015	0.83km south	None
Myotis nattereri	Natterer's bat	16/05/2015-17/05/2015	0.83km south	None
Myotis mystacinus/brandtii	Whiskered/Brandt's bat	16/05/2015-17/05/2015	0.83km south	None
Pipistrellus pipistrellus	Common pipistrelle	16/05/2015-17/05/2015	0.84km south	None
Eptesicus serotinus	Serotine	16/05/2015-17/05/2015	0.84km south	None
Plecotus auritus	Brown long-eared bat	2012	0.86km north	Roost in loft space
Nyctalus noctula	Noctule	16/05/2015-17/05/2015	0.91km south	None
Myotis daunbentonii	Daubenton's bat	16/05/2015-17/05/2015	0.91km south	None
Pipistrellus nathusii	~~Nathusius~~Nathusius' pipistrelle	16/05/2015-17/05/2015	0.91km south	None
Pipistrellus pipistrellus	Common pipistrelle	18/04/2017	1.03km north-west	Adult
Pipistrellus pipistrellus	Common pipistrelle	04/05/2017	1.03km north-west	Adult
Pipistrellus pygmaeus	Soprano pipistrelle	18/04/2017	1.03km north-west	Adult
Pipistrellus pygmaeus	Soprano pipistrelle	04/05/2017	1.03km north-west	Adult
Chiroptera sp.	Unknown bat	18/05/2017	1.1km south-west	None
Pipistrellus pipistrellus	Common pipistrelle	24/04/2013	1.17km north	Adult
Pipistrellus pipistrellus	Common pipistrelle	24/04/2014	1.17km north	Adult
Pipistrellus pipistrellus	Common pipistrelle	12/07/2013	1.19km south-east	None
Pipistrellus pipistrellus	Common pipistrelle	15/08/2013	1.19km south-east	None

Latin Name	Common Name	Date	Distance from Site	Record Details
Pipistrellus pipistrellus	Common pipistrelle	23/08/2013	1.19km south-east	None
Pipistrellus pipistrellus	Common pipistrelle	11/07/2013	1.19km south-east	None
Nyctalus noctula	Noctule	11/07/2013	1.19km south-east	None
Myotis daunbentonii	Daubenton's bat	07/05/2019	1.22km south	None
Pipistrellus pipistrellus	Common pipistrelle	04/07/2013	1.22km south-east	None
Nyctalus noctula	Noctule	04/07/2013	1.22km south-east	None
Pipistrellus pygmaeus	Soprano pipistrelle	04/07/2013	1.22km south-east	None
Pipistrellus pipistrellus	Common pipistrelle	15/07/2012 – 17/07/2014	1.26km north-east	HT: Detector – heterodyne. 3 records between noted dates
Pipistrellus sp.	Pipistrelle bat species	15/07/2012 – 29/07/2012	1.26km north-east	HT: Detector – heterodyne. 2 records between noted dates
Pipistrellus pygmaeus	Soprano pipistrelle	15/07/2012 – 29/07/2012	1.26km north-east	HT: Detector – heterodyne. 2 records between noted dates/
Pipistrellus pipistrellus	Common pipistrelle	19/10/2018	1.44km south	Flying around house at dusk
Pipistrellus sp.	Pipistrelle bat species	18/06/2012	1.44km south-west	Small number of droppings
Pipistrellus sp.	Pipistrelle sp.	22/04/2014	1.48km north	None
Nyctalus noctula	Noctule	08/10/2019	1.69km west	None
Pipistrellus pipistrellus	Common pipistrelle	07/07/2013	1.73km south-east	None
Pipistrellus pipistrellus	Common pipistrelle	08/07/2013	1.73km south-east	None
Chiroptera sp.	Unidentified bat	08/07/2013	1.73km south-east	None
Pipistrellus pipistrellus	Common pipistrelle	23/07/2013	1.76km south-east	None
Pipistrellus pygmaeus	Soprano pipistrelle	23/07/2013	1.76km south-east	None
Pipistrellus pygmaeus	Soprano pipistrelle	07/07/2013	1.76km south-east	None
Pipistrellus pipistrellus	Common pipistrelle	08/10/2019	1.79km west	Organised field trip with students
Pipistrellus pipistrellus	Common pipistrelle	05/05/2014	1.82km north	Air Cadets Hut. Foraging
Pipistrellus pygmaeus	Soprano pipistrelle	15/07/2012	1.94km north-west	Number of passes counted with the aid of a bat detector along a roughly triangular route within a 1km square: 14
Pipistrellus pipistrellus	Common pipistrelle	15/07/2012	1.94km north-west	Number of passes counted with the aid of a bat detector along a roughly triangular route within a 1km square: 22
Pipistrellus sp.	Pipistrelle sp.	15/07/2012	1.94km north-west	Number of passes counted with the aid of a bat detector along a roughly triangular route within a 1km square: 2
Pipistrellus pygmaeus	Soprano pipistrelle	29/07/2012	1.94km north-west	Number of passes counted with the aid of a bat detector along a roughly triangular route within a 1km square: 1
Pipistrellus pipistrellus	Common pipistrelle	29/07/2012	1.94km north-west	Number of passes counted with the aid of a bat detector along a roughly triangular route within a 1km square: 4
Pipistrellus sp.	Pipistrelle sp.	29/07/2012	1.94km north-west	Number of passes counted with the aid of a bat detector along a roughly triangular route within a 1km square: 1

Latin Name	Common Name	Date	Distance from Site	Record Details
Pipistrellus pipistrellus	Common pipistrelle	17/07/2014	1.94km north-west	Number of passes counted with the aid of a bat detector along a roughly triangular route within a 1km square: 20
Plecotus auritus	Brown long-eared bat	03/07/2014	1.98km south-east	None
Pipistrellus pipistrellus	Common pipistrelle	17/07/2014	1.98km south-east	None
Nyctalus noctule	Noctule	03/07/2014	1.98km south-east	None
Nyctalus noctula	Noctule	17/07/2014	1.98km south-east	None
Pipistrellus sp.	Pipistrelle sp.	03/07/2014	1.98km south-east	None
Pipistrellus pipistrellus	Common pipistrelle	03/07/2014	1.98km south-east	None
Pipistrellus pygmaeus	Soprano pipistrelle	17/07/2014	1.98km south-east	None
Plecotus auritus	Brown long-eared bat	02/06/2016	1.99km north-west	None

Annex C

STRUCTURES SURVEY RESULTS

Table 5 - Structures Survey Results

Structure Reference	Grid reference	Structure Type	Suitability Following PRA	Emergence -Survey 1	Emergence/ Re-entry - Survey 2	Emergence/ Re-entry - Survey 3	Final Suitability
B1	SJ4451475002	Outbuilding	Negligible	Not Required	Not Required	Not Required	Negligible
B2	SJ4452274979	Brick utility building	Negligible	Not Required	Not Required	Not Required	Negligible
B3	SJ4482874979	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
B4	SJ4451374906	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
B6	SJ4456474875	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
B8	SJ4456974875	Portacabin	Low	24/05/2022	Not Required	Not Required	Low
B9	SJ4456474883	Site cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B10	SJ4459974885	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
B11	SJ4457774895	Site cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B12	SJ4468974871	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
B13	SJ4460874885	Functioning storage outbuilding	Negligible	Not Required	Not Required	Not Required	Negligible
B14	SJ4463374979	Industrial shed	Negligible	Not Required	Not Required	Not Required	Negligible
B15	SJ4466374865	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B16	SJ4471074938	Utilities cupboard	Negligible	Not Required	Not Required	Not Required	Negligible
B17	SJ4467674868	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B18	SJ4472874910	Industrial shed	Negligible	Not Required	Not Required	Not Required	Negligible
B19	SJ4465374988	Toilets	Negligible	Not Required	Not Required	Not Required	Negligible
B20	SJ4473674929	Industrial shed	Negligible	Not Required	Not Required	Not Required	Negligible
B21	SJ4468775022	Outbuilding	Negligible	Not Required	Not Required	Not Required	Negligible
B22	SJ4477974927	Industrial shed	Negligible	Not Required	Not Required	Not Required	Negligible
B23	SJ4472075005	Active workshop	Negligible	Not Required	Not Required	Not Required	Negligible
B24	SJ4479074909	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
B25	SJ4470774893	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B26	SJ4484474920	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B27	SJ4471374882	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
B28	SJ4487174949	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
B29	SJ4471874873	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
B30	SJ4488274936	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
B31	SJ4471274919	Plastic utilities building	Negligible	Not Required	Not Required	Not Required	Negligible
B32	SJ4487874933	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
B33	SJ4471774921	Plastic utilities building	Negligible	Not Required	Not Required	Not Required	Negligible
B34	SJ4489074943	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
B35	SJ4474374933	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B36	SJ4479474961	Industrial shed	Negligible	Not Required	Not Required	Not Required	Negligible
B37	SJ4475374953	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B38	SJ4478174956	Industrial shed	Negligible	Not Required	Not Required	Not Required	Negligible
B39	SJ4475774945	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B40	SJ4476374961	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
B41	SJ4476474899	Functioning storage outbuilding	Negligible	Not Required	Not Required	Not Required	Negligible
B42	SJ4477174992	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
B43	SJ4478374905	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B44	SJ4476874990	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
B45	SJ4478474916	Office cabin	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
B46	SJ4476474988	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
B47	SJ4479574934	Active storage building	Negligible	Not Required	Not Required	Not Required	Negligible
B48	SJ4476274986	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
B49	SJ4481274959	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B50	SJ4475974982	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
B51	SJ4481974950	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B52	SJ4475674980	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
B53	SJ4482674940	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B54	SJ4475374977	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
B55	SJ4482474956	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B56	SJ4474974975	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
B57	SJ4483474943	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B58	SJ4474674973	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
B59	SJ4482174960	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B60	SJ4474374980	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
B61	SJ4481974963	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B62	SJ4474274984	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
B63	SJ4481674967	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B64	SJ4487374987	Industrial shed	Negligible	Not Required	Not Required	Not Required	Negligible
B65	SJ4484174988	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
B66	SJ4491274976	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
B67	SJ4483874980	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
B68	SJ4491874966	Industrial shed	Low	24/05/2022	Not Required	Not Required	Low
B69	SJ4486075004	Site cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B70	SJ4484974994	Site cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B71	SJ4476075019	Office cabin	Negligible	Not Required	Not Required	Not Required	Negligible
B72	SJ4481775062	Industrial shed	Negligible	Not Required	Not Required	Not Required	Negligible
B73	SJ4477975034	Industrial shed	Negligible	Not Required	Not Required	Not Required	Negligible
B74	SJ4481575015	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
B75	SJ4489474955	Portacabins	Negligible	Not Required	Not Required	Not Required	Negligible
B78	SJ3169467327	One storey lean-to	Negligible	Not Required	Not Required	Not Required	Negligible
B79	SJ3011366927	Shed	Moderate	~~Due to be completed July-~~ 18/08/2022~~September 2022~~	No access	Not Required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
B80	SJ4449373279	Brick and concrete construction	Low	~~Due to be completed July-September 2022~~No access	Not Required	Not Required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
B81	SJ4446173257	Barn	Negligible	Not Required	Not Required	Not Required	Negligible
B82	SJ4441173286	Field shelter	Low	26/05/2022	Not Required	Not Required	Low
B83	SJ4443773242	Portacabin	Negligible	Not Required	Not Required	Not Required	Negligible
~~**B88**~~	~~SJ3456466363~~	~~Cow shed~~	~~Negligible~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Negligible~~
B97	SJ3571567238	Outhouse	High	26/05/2022	09/06/2022	23/06/2022	Potential roost - Confirmed ~~Likely absent - High~~
B98	SJ3584867240	Storage Unit	Negligible	Not Required	Not Required	Not Required	Negligible
B99	SJ3588667185	Storage Unit	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
B113	SJ4570474535	Barn	Low	18/08/2021	25/05/2022	08/07/2022	Confirmed Roost
B122	SJ3854171078	Open Barn	Negligible	Not Required	Not Required	Not Required	Negligible
B123	SJ3856171094	Shed/Stables	Negligible	Not Required	Not Required	Not Required	Negligible
B124	SJ3860371123	Residential	Negligible	Not Required	Not Required	Not Required	Negligible
B125	SJ2635167716	Mineshaft brick cover	Moderate	~~Due to be completed July-September 2022~~No access		Not Required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
B126	SJ2635167716	Outhouse	Moderate	~~Due to be completed July-September 2022~~No access		Not Required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
B127	SJ2782766921	Chimney/Stack	Low	~~Due to be completed July-September 2022~~No access	Not Required	Not Required	~~Low~~Precautionarily assessed as a Potential Roost
B133	SJ3078466827	Barn	Moderate	25/05/2022	09/06/2022	~~Not Required~~To be completed as part of the pre-commencement surveys prior to construction, where required	Confirmed Roost~~Likely absent - Moderate~~

Annex D

TREE SURVEY RESULTS

Table 6 - Tree Survey Results

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
BB_T875	SJ1483474569	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	04/05/2022	17/05/2022	Not Required	Likely absent - Moderate
BB_T876	SJ1478974544	Ash *Fraxinus excelsior*	High	Unable to be climbed	N/A	19/05/2022	07/06/2022	05/07/2022	Likely absent - High
BB_T874	SJ1483674562	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
~~**CL_T1**~~	~~SJ2158172567~~	~~Sycamore *Acer pseudoplatanus*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
~~**CL_T2**~~	~~SJ2157672560~~	~~Sycamore Acer pseudoplatanus~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
PH_T1	SJ1751373246	Sycamore *Acer pseudoplatanus*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
PH_T2	SJ1751973258	Sycamore Acer pseudoplatanus	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
PH_T5	SJ1750973272	Sycamore *Acer pseudoplatanus*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
PH_T7	SJ1750873286	Sycamore Acer pseudoplatanus	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T1	SJ2505570594	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	30/06/2022	29/07/2022	~~Due to~~To be completed ~~July-September 2022~~as part of the pre-commencement surveys prior to construction, where required	~~Not Required~~Potential Roost - Confirmed
T2	SJ2499570674	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~30/06/2022	19/07/2022	Not Required	Likely absent - Moderate~~Unconfirmed~~
T3	SJ2502270612	Pedunculate oak *Quercus robur*	Moderate	24/05/2022	Negligible	Not Required	Not Required	Not Required	Negligible

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
T4	SJ2503370743	Pedunculate oak *Quercus robur*	High	Unable to be climbed	N/A	30/06/2022	19/07/2022	~~Due to be completed July-September 2022~~To be completed as part of the pre-commencement surveys prior to construction, where required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T5	SJ2493870578	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T6	SJ2527571181	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	02/09/2021	~~Due to be completed July-September 2022~~28/06/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T7	SJ2533071132	Oak sp. *Quercus sp.*	Moderate	21/07/2021	Low	Not Required	Not Required	Not Required	Low
T8	SJ2534771113	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	02/09/2021	~~Due to be completed July-September 2022~~28/06/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T9	SJ2535371105	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	03/09/2021	~~Due to be completed July-September 2022~~29/06/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T11	SJ2754467274	Sycamore *Acer pseudoplatanus*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~No access		Not Required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T12	SJ2757067228	Sycamore *Acer pseudoplatanus*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T13	SJ2759167158	Sycamore *Acer pseudoplatanus*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~No access		Not Required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T14	SJ2760667172	Poplar *Populus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T15	SJ2763767134	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T16	SJ2768067213	Beech *Fagus sylvatica*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~No access		Not Required	~~Unconfirmed~~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
T17	SJ2768067207	Beech *Fagus sylvatica*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~No access		Not Required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T18	SJ2769867190	Sycamore *Acer pseudoplatanus*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~No access		Not Required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T19	SJ2765467217	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T20	SJ2777867097	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T21	SJ2777367094	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T22	SJ2774567069	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T23	SJ2779267112	Sycamore *Acer pseudoplatanus*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T24	SJ2757167101	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T25	SJ2758067105	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~No access		Not Required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T26	SJ2757667155	Sycamore *Acer pseudoplatanus*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~No access		Not Required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T27	SJ2773767188	Horse Chestnut *Aesculus hippocastanum*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~No access		Not Required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T28	SJ2756767149	Sycamore *Acer pseudoplatanus*	High	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~No access			~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T29	SJ2542868867	Oak sp. *Quercus sp.*	Moderate	20/09/2021	Moderate	~~Due to be completed July-September 2022~~28/06/2022	Not Required - fully searched during tree climb survey	Not Required	~~Unconfirmed~~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
T30	SJ2544868895	Dead tree	Moderate	20/09/2021	Moderate	~~Due to be completed July-September 2022~~28/06/2022	Not Required – fully searched during tree climb survey	Not Required	Likely absent - Moderate~~Unconfirmed~~
T31	SJ2542968918	Oak sp. *Quercus sp.*	Moderate	20/09/2021	Low	Not Required	Not Required	Not Required	Low
T32	SJ2542168936	Oak sp. *Quercus sp.*	Moderate	20/09/2021	Low	Not Required	Not Required	Not Required	Low
T33	SJ2579567959	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T34	SJ2579267961	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~No access		Not Required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T35	SJ2577867968	Oak sp. *Quercus sp.*	Moderate	18/05/2021	Low	Not Required	Not Required	Not Required	Low
T36	SJ2578467977	Oak sp. *Quercus sp.*	Moderate	18/05/2021	High	~~Due to be completed July-September 2022~~No access		Not Required – fully searched during tree climb survey	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T37	SJ2572368092	Oak sp. *Quercus sp.*	Moderate	18/05/2021	Moderate	Not Required – fully searched during tree climb survey~~Due to be completed July-September 2022~~	No access ~~Not Required – fully searched during tree climb survey~~	Not Required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T38	SJ3292166989	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T39	SJ3291966994	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T40	SJ3260766952	Oak sp. *Quercus sp.*	High	18/08//2021	Low	Not Required	Not Required	Not Required	Low
T41	SJ3260766956	Pedunculate oak *Quercus robur*	Moderate	18/08//2021	Moderate	~~Due to be completed July-September 2022~~14/06/2022	Not Required – fully searched during tree climb survey	Not Required	~~Unconfirmed~~Likely absent - Moderate
T42	SJ3265866900	Oak sp. *Quercus sp.*	Moderate	05/08/2021	Moderate	~~Due to be completed July-September 2022~~14/06/2022	Not Required – fully searched during tree climb survey	Not Required	Likely absent - Moderate~~Unconfirmed~~
T43	SJ3260766952	Pedunculate oak *Quercus robur*	High	18/08/2021	Low	Not Required	Not Required	Not Required	Low
T44	SJ4525874517	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	07/06/2021	20/07/2021	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
T45	SJ3333166522	Pedunculate oak Quercus robur	Moderate	04/08/2021	Moderate	~~Due to be completed July-September 2022~~16/06/2022	Not Required – fully searched during tree climb survey	Not Required	~~Unconfirmed~~Likely absent - Moderate
T46	SJ3334466537	Pedunculate oak *Quercus robur*	Moderate	04/08/2021	Low	Not Required	Not Required	Not Required	Low
T47	SJ4450673287	Alder *Alnus glutinosa*	Moderate	Unable to be climbed	N/A	07/09/2021	11/05/2021	Not Required	Likely absent - Moderate
T48	SJ4460473309	Willow sp. *Salix sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T49	SJ4462773329	Alder *Alnus glutinosa*	Moderate	Unable to be climbed	N/A	07/09/2021	10/05/2021	~~Due to be completed July-September 2022~~16/08/2022	Potential Roost - Confirmed ~~Roost~~
T50	SJ3258067255	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T52	SJ3539667976	Common Beech *Fagus sylvatica*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T53	SJ3537467992	Common Beech *Fagus sylvatica*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T54	SJ3162467256	Sycamore *Acer pseudoplatanus*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T55	SJ3168667310	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T56	SJ3754669595	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T57	SJ3756869596	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~24/05/2022	28/06/2022	Not Required	~~Unconfirmed~~Likely absent -Moderate
T58	SJ3757469597	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~25/05/2022	21/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T59	SJ3758069599	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T60	SJ3760169601	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
T61	SJ4456273273	Sycamore *Acer pseudoplatanus*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T62	SJ4456173275	Sycamore *Acer pseudoplatanus*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T63	SJ4456173280	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T64	SJ4455473274	Sycamore *Acer pseudoplatanus*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T65	SJ4454873276	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T66	SJ4453173277	Sycamore *Acer pseudoplatanus*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T67	SJ4453673276	Sycamore *Acer pseudoplatanus*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T68	SJ4450773281	Alder *Alnus glutinosa*	Moderate	Unable to be climbed	N/A	05/05/2022	~~Due to be completed July-September 2022~~14/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T69	SJ4452674936	Willow sp. *Salix sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T70	SJ4454674136	Oak sp. *Quercus sp.*	Moderate	21/09/2021	High	10/05/2022	~~Due to be completed July-September 2022~~17/05/22	Not Required – ~~sully~~fully searched during tree climb survey	~~Unconfirmed~~Confirmed Roost
T71	SJ4457973799	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T72	SJ4458573788	Oak sp. *Quercus sp.*	Moderate	20/09/2021	Low	Not Required	Not Required	Not Required	Low
T73	SJ4455973790	Oak sp. *Quercus sp.*	High	Unable to be climbed	N/A	06/10/2021	04/05/2022	~~Due to be completed July-September 2022~~05/07/2022	Likely absent - High~~Unconfirmed~~

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
T74	SJ4457373754	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T75	SJ4453273825	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T76	SJ4459774079	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~21/06/2022	13/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T77	SJ4456173784	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T81	SJ4463373893	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~22/06/2022	14/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T82	SJ4462673763	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T84	SJ4457874003	Ash *Fraxinus excelsior*	High	Unable to be climbed	N/A	07/10/2021	04/05/2022	~~Due to be completed July-September 2022~~22/09/2022	~~Unconfirmed~~Likely absent - High
T85	SJ4462574031	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~21/06/2022	12/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T86	SJ3503967340	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
~~**T87**~~	~~SJ4329371559~~	~~Ash *Fraxinus excelsior*~~	~~High~~	~~Unable to be climbed~~	~~N/A~~	~~16/06/2021~~	~~21/07/2021~~	~~23/09/2021~~	~~Likely absent - High~~
T88	SJ3193067476	Oak sp. *Quercus sp.*	High	Unable to be climbed	N/A	06/08/2021	19/08/2021	~~Due to be completed July-September 2022~~07/06/2022	Likely absent - High~~Unconfirmed~~
T89	SJ3190067440	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T90	SJ3187267451	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T91	SJ3188467437	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	19/08/2021	~~Due to be completed July-September 2022~~07/06/2022	Not Required	~~Unconfirmed~~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
T92	SJ3212967463	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T93	SJ3213767420	Oak sp. *Quercus sp.*	Moderate	19/08/2021	Moderate	15/06/2022~~Due to be completed July-September 2022~~	Not Required – fully searched during tree climb survey	Not Required	~~Unconfirmed~~Likely absent - Moderate
T94	SJ3191167383	Oak sp. *Quercus sp.*	High	Unable to be climbed	N/A	19/08/2021	~~Due to be completed July-September 2022~~14/06/2022	~~Unconfirmed~~06/07/2022	Likely absent - High
T95	SJ3168967324	Pedunculate oak *Quercus robur*	Moderate	17/11/2021	Low	~~19~~12/08/2021 – ~~climb suggested due~~downgraded to ~~difficult viewing~~low following survey after detailed inspection of features	Not Required	Not Required	Low
T96	SJ3172467302	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T97	SJ3249967484	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
T98	SJ3248567471	Lime *Tilas sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T99	SJ3242967562	Ash *Fraxinus excelsior*	Low	N/A	N/A	12/08/2021	Not Required	Not Required	Low
T100	SJ3243767561	Ash *Fraxinus excelsior*	Low	N/A	N/A	12/08/2021	Not Required	Not Required	Low
T101	SJ3233667644	Oak sp. *Quercus sp*	Low	N/A	N/A	12/08/2021	Not Required	Not Required	Low
T103	SJ4330771511	Oak sp. *Quercus sp.*	High	16/06/2021	Low	Not Required	Not Required	Not Required	Low
T104	SJ3832170530	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T105	SJ3833170536	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
T107	SJ4278071939	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

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T109	SJ4297471998	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	11/05/2022	~~Due to be completed July-September 2022~~29/06/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T110	SJ4295971985	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	11/05/2022	~~Due to be completed July-September 2022~~29/06/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T111	SJ4294771970	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	11/05/2022	29/06/2022	~~Due to be completed July-September 2022~~17/08/2022	Confirmed Roost
T112	SJ4289772781	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T115	SJ3716369452	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T116	SJ4226371200	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	08/06/2021	23/06/2021	Not Required	Likely absent - Moderate
T117	SJ4226971209	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	08/06/2021	23/06/2021	Not Required	Likely absent - Moderate
T118	SJ4227071224	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	08/06/2021	23/06/2021	Not Required	Likely absent - Moderate
~~**T119**~~	~~SJ2948667075~~	~~Pedunculate oak *Quercus robur*~~	~~Moderate~~	~~17/01/2021~~	~~Low~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
~~**T120**~~	~~SJ2948967088~~	~~Oak sp. *Quercus sp.*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
~~**T121**~~	~~SJ2949167097~~	~~Pedunculate oak *Quercus robur*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
~~**T122**~~	~~SJ2950067121~~	~~Pedunculate oak *Quercus robur*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
~~**T123**~~	~~SJ2950567131~~	~~Pedunculate oak *Quercus robur*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
~~**T124**~~	~~SJ2951767152~~	~~Pedunculate oak *Quercus robur*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
~~**T125**~~	~~SJ2953467177~~	~~Pedunculate oak *Quercus robur*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
~~**T126**~~	~~SJ2954967193~~	~~Pedunculate oak *Quercus robur*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~

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~~T127~~	~~SJ2955467199~~	~~Pedunculate oak *Quercus robur*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
T128	SJ2958767307	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T129	SJ2958467340	Pedunculate oak *Quercus robur*	Moderate	17/01/2021	Low	Not Required	Not Required	Not Required	Low
T131	SJ3093266816	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T132	SJ3123567131	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T133	SJ3871571091	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T134	SJ3865071096	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T135	SJ3869071112	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T136	SJ3876471052	Pedunculate oak *Quercus robur*	Moderate	10/05/2022	Negligible	Not Required	Not Required	Not Required	Negligible
T137	SJ3865771071	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~04/08/2022	25/08/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T138	SJ3870971098	Pedunculate oak *Quercus robur*	Moderate	10/05/2022	Low	Not Required	Not Required	Not Required	Low
T139	SJ3882771022	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T140	SJ4091071345	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T141	SJ4091771333	Unknown	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T142	SJ4092471326	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T143	SJ4094271321	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

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T144	SJ4022171143	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~23/06/2022	05/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T145	SJ4048871197	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~23/06/2022	05/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T146	SJ4113271409	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T147	SJ4114071395	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~18/05/2022	07/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T148	SJ4114171394	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~17/05/2022	06/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T149	SJ4114471389	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~17/05/2022	06/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T150	SJ4115271373	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T151	SJ4117771337	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T152	SJ4117771335	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~17/05/2022	06/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T153	SJ4118471327	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T154	SJ4095971321	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T155	SJ4094871351	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T156	SJ4095771354	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T157	SJ4096571360	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

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T158	SJ3502767322	Sycamore *Acer pseudoplatanus*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T159	SJ3499467263	Ash *Fraxinus excelsior*	High	Unable to be climbed	N/A	10/06/2021	15/07/2021	23/08/2021	~~Likely Absent – High~~Confirmed Roost
T160	SJ3489867139	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T161	SJ3489867139	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T162	SJ3999371051	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T163	SJ3999971053	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T164	SJ4000171056	Sycamore *Acer pseudoplatanus*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~18/05/2022	07/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T165	SJ4000671056	Ash *Fraxinus excelsior*	High	Unable to be climbed	N/A	18/05/2022	07/07/2022	~~Due to be completed July-September 2022~~To be completed as part of the pre-commencement surveys prior to construction, where required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T166	SJ3969071028	Willow sp. *Salix sp.*	Moderate	Unable to be climbed	N/A	02/08/2021	18/05/2022	~~Due to be completed July-September 2022~~15/08/2022	~~Confirmed Roost~~Likely absent – Moderate
T167	SJ3966671022	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	29/06/2021	03/08/2021	Not Required	Likely absent - Moderate
T168	SJ3966071022	Oak sp. *Quercus sp.*	High	Unable to be climbed	N/A	02/08/2021	~~Due to be completed July-September 2022~~12/07/2022	~~Unconfirmed~~04/08/2022	Likely absent - High
T169	SJ3963971023	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

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T170	SJ3963071014	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
T171	SJ3960870957	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
T172	SJ3945970842	Dead Tree	Moderate	Unable to be climbed	N/A	03/08/2021	~~Due to be completed July-September 2022~~19/05/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T173	SJ3944770845	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	03/08/2021	~~Due to be completed July-September 2022~~18/05/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T174	SJ3942370860	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	03/08/2021	~~Due to be completed July-September 2022~~18/05/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T175	SJ3941170866	Dead Tree	Moderate	Unable to be climbed	N/A	04/08/2021	~~Due to be completed July-September 2022~~19/05/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T176	SJ3812169806	Pedunculate oak *Quercus robur*	Moderate	25/20/2021	Negligible	Not Required	Not Required	Not Required	Negligible
T177	SJ3811969816	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T178	SJ3807169834	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T179	SJ3804769849	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T180	SJ3804069855	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T181	SJ3803669857	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T182	SJ3803269859	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

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T183	SJ3801969853	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T184	SJ3809569818	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T185	SJ3794369677	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T186	SJ3793969675	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T187	SJ3796269689	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T188	SJ3791269713	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T189	SJ3788669753	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T190	SJ3030467008	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	15/06/2022	~~Due to be completed July-September 2022~~29/07/2022	15/08/2022	Confirmed Roost
T191	SJ3003266833	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T192	SJ3825670599	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T193	SJ3832470722	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	12/08/2021	23/09/2021	Not Required	Likely absent - Moderate
T194	SJ3832870769	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T195	SJ3828270794	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T196	SJ3827170808	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T197	SJ3826870812	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~19/05/2022	14/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T198	SJ4644675312	Oak sp. *Quercus sp.*	High	Unable to be climbed	N/A	24/05/2021	26/07/2021	22/09/2021	Likely absent - High
T199	SJ4647675311	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

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T200	SJ4653675378	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 ~~Roost~~
T201	SJ4654775386	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	24/05/2021	27/07/2021	Not Required	Likely absent - Moderate
T202	SJ4655675395	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T203	SJ4657375413	Dead Tree	Moderate	Unable to be climbed	N/A	25/05/2021	27/07/2021	Not Required	Likely absent - Moderate
T204	SJ4659175383	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	14/06/2021	28/07/2021	Not Required	Likely absent - Moderate
T205	SJ4659975378	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
T206	SJ4661375369	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	25/05/2021	28/07/2021	Not Required	Likely absent - Moderate
T207	SJ4636875060	Oak sp. *Quercus sp.*	Moderate	15/06/2021	Low	Not Required	Not Required	Not Required	Low
T209	SJ3568168507	Poplar sp. *Populus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T210	SJ3569068513	Poplar sp. *Populus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T211	SJ3569368516	Poplar sp. *Populus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T212	SJ3570568528	Poplar sp. *Populus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T213	SJ3571468534	Poplar sp. *Populus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T214	SJ3594468918	Willow sp. *Salix sp.*	Moderate	Unable to be climbed	N/A	04/08/2021	~~Due to be completed July-September 2022~~No longer required as tree had fallen and been removed	Not Required	~~Unconfirmed~~N/A - Tree has fallen down
T215	SJ3596268910	Willow sp. *Salix sp.*	Moderate	Unable to be climbed	N/A	04/08/2021	~~Due to be completed July-September 2022~~ 08/06/2022	Not Required	~~Unconfirmed~~N/A – Tree has fallen down
T216	SJ3597468903	Willow sp. *Salix sp.*	Moderate	18/10/2021	Low	04/08/2021	Not Required	Not Required	Low
T217	SJ3601368891	Willow sp. *Salix sp.*	Moderate	18/10/2021	Low	04/08/2021	Not Required	Not Required	Low

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T218	SJ3603568883	Willow sp. *Salix sp.*	Low	N/A	N/A	04/08/2021	Not Required	Not Required	Low
T219	SJ3607668868	Willow sp. *Salix sp.*	High	Unable to be climbed	N/A	04/08/2021	10/05/2022	~~Due to be completed July-September 2022~~03/08/2022	~~Unconfirmed~~Likely absent - High
T220	SJ3608168866	Willow sp. *Salix sp.*	Moderate	Unable to be climbed	N/A	04/08/2021	~~Due to be completed July-September 2022~~03/08/2022	22/08/2022	Confirmed Roost
T221	SJ3608668871	Willow sp. *Salix sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T222	SJ3609668861	Willow sp. *Salix sp.*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~08/06/2022	19/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T223	SJ3918170826	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~07/07/2022	21/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T225	SJ3688869515	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~03/08/2022	22/08/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T226	SJ3688769517	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T227	SJ3692269493	Ash *Fraxinus excelsior*	Moderate	23/09/2021	Low	Not Required	Not Required	Not Required	Low
T228	SJ3690269443	Pedunculate oak *Quercus robur*	Moderate	23/09/2021	Moderate	~~Due to be completed July-September 2022~~08/06/2022	Not Required - fully searched during tree climb survey	Not Required	~~Unconfirmed~~Likely absent - Moderate
T229	SJ3700169421	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T230	SJ3709069515	Pedunculate oak *Quercus robur*	Moderate	23/09/2021	High	03/08/2022	~~Due~~25/08/2022 – Abandoned due to cows. To be completed ~~July-September 2022~~as part of the pre-commencement surveys prior to construction, where required.	Not Required - fully searched during tree climb survey	~~Unconfirmed~~Precautionarily assessed as a Potential Roost

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T231	SJ3737969465	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T232	SJ3738069545	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T233	SJ3733469550	Dead tree	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T234	SJ3732569555	Ash *Fraxinus excelsior*	High	Unable to be climbed	N/A	29/09/2021	~~Due to be completed July-September 2022~~13/07/2022	~~Unconfirmed~~04/08/2022	Confirmed Roost
T235	SJ3730569554	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T236	SJ3725369554	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T237	SJ3722969556	Pedunculate oak *Quercus robur*	Moderate	22/09/2021	Negligible	Not Required	Not Required	Not Required	Negligible
T238	SJ3723369460	Pedunculate oak *Quercus robur*	High	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~13/07/2022	~~Unconfirmed~~02/08/2022	23/08/2022	Confirmed Roost
T239	SJ2647167649	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T240	SJ2639067716	Oak sp. *Quercus sp.*	Moderate	18/10/2021	Low	11/08/2021 – ~~climb suggested due~~downgraded to ~~difficulty viewing~~low following survey after detailed inspection of features	Not Required	Not Required	Low
T241	SJ2638167714	Oak sp. *Quercus sp.*	Moderate	18/10/2021	Low	11/08/2021 – ~~climb suggested due~~downgraded to ~~difficulty viewing~~low following survey after detailed inspection of features	Not Required	Not Required	Low
T242	SJ2648867765	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
~~**T243**~~	~~SJ4541374419~~	~~Oak sp. *Quercus sp.*~~	~~High~~	~~Unable to be climbed~~	~~N/A~~	~~27/05/2021~~	~~20/07/2021~~	~~02/08/2021~~	~~Likely absent - High~~

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
~~T244~~	~~SJ4541074407~~	~~Oak sp. *Quercus sp.*~~	~~High~~	~~Unable to be climbed~~	~~N/A~~	~~28/05/2021~~	~~19/07/2021~~	~~02/08/2021~~	~~Likely absent - High~~
T245	SJ4542374425	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T247	SJ4574174619	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T248	SJ4567174584	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	30/06/2021	19/07/2021	Not Required	Likely absent - Moderate
T249	SJ3669369328	Ash *Fraxinus excelsior*	Moderate	21/07/2021	Negligible	Not Required	Not Required	Not Required	Negligible
T250	SJ3673069336	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T251	SJ3561067377	Willow sp. *Salix sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T252	SJ4404673034	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T253	SJ4404273054	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T254	SJ4403773069	Willow sp. *Salix sp.*	High	Unable to be climbed	N/A	10/05/2022	~~Due to be completed July-September 2022~~04/08/2022	~~Unconfirmed~~24/08/2022	Likely absent - High
T255	SJ4404173076	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
~~**T256**~~	~~SJ3533668037~~	~~Alder *Alnus glutinosa*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
T257	SJ3538467999.	Alder *Alnus glutinosa*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T258	SJ3540467985	Alder *Alnus glutinosa*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T261	SJ4123771291	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
T262	SJ4133871479	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T265	SJ4408572928	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	10/05/2022	~~Due to be completed July-September 2022~~No access	Not Required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T267	SJ4614874651	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	13/08/2021	28/09/2021	Not Required	Likely absent - Moderate

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~~T268~~	~~SJ4613774642~~	~~Pedunculate oak *Quercus robur*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
T269	SJ3542667969	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
~~T270~~	~~SJ3543867958~~	~~Ash *Fraxinus excelsior*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
T271	SJ2653267710	Oak sp. *Quercus sp.*	Moderate	07/02/2022	Low	Not Required	Not Required	Not Required	Low
T272	SJ2652167611	Alder *Alnus glutinosa*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~16/06/2022	12/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T273	SJ2650167621	Alder *Alnus glutinosa*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~16/06/2022	12/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T274	SJ2668167560	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~16/06/2022	12/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T275	SJ4408672897	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	10/08/2021	11/05/2022	Not Required	Likely absent - Moderate
T276	SJ4408772922	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	10/08/2021	12/05/2022	Not Required	Likely absent - Moderate
T277	SJ3467966968	Sycamore *Acer pseudoplatanus*	Moderate	18/10/2021	Negligible	09/08/2021 – climb suggested due to lack of bat activity	~~Not Required~~20/10/2021 - downgraded to Negligible following detailed inspection of features	Not Required	Negligible
T278	SJ3466166969	Willow sp. *Salix sp.*	Moderate	18/10/2021	Low	09/08/2021 – climb suggested due to lack of activity	~~Not Required~~20/10/2021 - downgraded to low following aerial survey inspection of features	Not Required	Low
T279	SJ3465366971	Willow sp. *Salix sp.*	Moderate	20/10/2021	Moderate	09/08/2021	~~Due to be completed July-September 2022~~13/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T280	SJ3466166982	Dead Tree	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T281	SJ3493066719	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

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T282	SJ3509466604	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T283	SJ3510466596	Sycamore *Acer pseudoplatanus*	High	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~13/07/2022	~~Unconfirmed~~04/08/2022	24/08/2022	Potential roost - Confirmed
T284	SJ3511566588	Sycamore *Acer pseudoplatanus*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~12/07/2022	25/08/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T285	SJ2987167047	Oak sp. *Quercus sp.*	Moderate	05/08/2021	Low	Not Required	Not Required	Not Required	Low
T286	SJ2981967207	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~14/06/2022	13/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T287	SJ2513370417	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T288	SJ2525970138	Alder *Alnus glutinosa*	Moderate	Unable to be climbed	N/A	23/08/2021	~~Due to be completed July-September 2022~~30/06/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T289	SJ2515470396	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T290	SJ2523270066	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T291	SJ2527470131	Beech *Fagus sylvatica*	Moderate	22/07/2021	Low	Not Required	Not Required	Not Required	Low
T292	SJ3367166315	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~22/06/2022	14/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T293	SJ3390066310	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~22/06/2022	14/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T294	SJ3369666264	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T295	SJ3814870320	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	11/08/2021	23/09/2021	Not Required	Likely absent - Moderate
T296	SJ3820270373	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	11/08/2021	29/09/2021	Not Required	Likely absent - Moderate

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T297	SJ3814370498	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	11/08/2021	~~Due to be completed July-September 2022~~19/05/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T298	SJ4136171036	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
~~**T299**~~	~~SJ4137371021~~	~~Pedunculate oak *Quercus robur*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
T300	SJ4141571084	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T301	SJ4142071085	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T302	SJ4143271093	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	13/06/2022	~~Due to be completed July-September 2022~~14/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T303	SJ4143971100	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T304	SJ4147071126	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	13/06/2022	~~Due to be completed July-September 2022~~14/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T305	SJ4148271141	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T306	SJ4149571154	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T307	SJ4150571162	Pedunculate oak *Quercus robur*	Moderate	06/05/2022	Low	Not Required	Not Required	Not Required	Low
T308	SJ4151271167	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T309	SJ4152371175	Pedunculate oak *Quercus robur*	Moderate	06/05/2022	Moderate	14/06/2022	Not Required - fully searched during tree climb survey	Not Required	~~Unconfirmed~~Likely absent - Moderate
T310	SJ4174171032	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

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T311	SJ4159771035	Sycamore *Acer pseudoplatanus*	Moderate	04/05/2022	Low	Not Required	Not Required	Not Required	Low
~~T312~~	~~SJ4157171029~~	~~Sycamore *Acer pseudoplatanus*~~	~~Moderate~~	~~04/05/2022~~	~~High~~	~~14/06/2022~~	~~Due to be completed July-September 2022~~	~~Not Required - fully searched during tree climb survey~~	~~Unconfirmed~~
~~T313~~	~~SJ4156671024~~	~~Sycamore *Acer pseudoplatanus*~~	~~Moderate~~	~~04/05/2022~~	~~High~~	~~15/06/2022~~	~~Due to be completed July-September 2022~~	~~Not Required - fully searched during tree climb survey~~	~~Unconfirmed~~
~~T314~~	~~SJ4155271023~~	~~Sycamore *Acer pseudoplatanus*~~	~~Moderate~~	~~04/05/2022~~	~~High~~	~~15/06/2022~~	~~Due to be completed July-September 2022~~	~~Not Required - fully searched during tree climb survey~~	~~Unconfirmed~~
T315	SJ4197071032	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T316	SJ4195871045	Pedunculate oak *Quercus robur*	Moderate	05/05/2022	Low	Not Required	Not Required	Not Required	Low
T317	SJ4196371057	Sycamore *Acer pseudoplatanus*	Moderate	N/A	N/A	15/06/2022	~~Due to be completed July-September 2022~~14/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T318	SJ4194471083	Sycamore *Acer pseudoplatanus*	High	05/05/2022	High	~~Due to be completed July-September 2022~~13/07/2022	~~Unconfirmed~~02/08/2022	23/08/2022	Likely absent - High
T319	SJ4193471100	Sycamore *Acer pseudoplatanus*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T320	SJ4191971122	Sycamore *Acer pseudoplatanus*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T321	SJ4189671132	Ash *Fraxinus excelsior*	High	Unable to be climbed	N/A	13/07/2022	~~Due to be completed July-September 2022~~04/08/2022	23/08/2022	Confirmed Roost

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T322	SJ4190171137	Sycamore *Acer pseudoplatanus*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
~~T323~~	~~SJ4185871142~~	~~Ash *Fraxinus excelsior*~~	~~Moderate~~	~~Unable to be climbed~~	~~N/A~~	~~15/06/2022~~	~~Due to be completed July-September 2022~~	~~Not Required~~	~~Unconfirmed~~
T324	SJ4433873221	Ash *Fraxinus excelsior*	High	Unable to be climbed	N/A	10/05/2022	~~Due to be completed July-September 2022~~14/07/2022	~~Unconfirmed~~17/08/2022	Likely absent - High
T325	SJ4301172033	Ash *Fraxinus excelsior*	High	Unable to be climbed	N/A	10/08/2021	~~Due to be completed July-September 2022~~23/06/2022	13/07/2022	~~Possible~~Potential Roost ~~– surveys ongoing~~- Confirmed
T326	SJ4302972052	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	~~Not Required~~To be completed as part of the pre-commencement surveys prior to construction, where required	~~Not Required~~To be completed as part of the pre-commencement surveys prior to construction, where required	~~Low~~Potential Roost - Confirmed
T327	SJ4304272065	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	10/08/2021	12/05/2022	~~Not Required~~To be completed as part of the pre-commencement surveys prior to construction, where required	Potential Roost - Confirmed~~Likely absent - Moderate~~
T328	SJ4305772074	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T329	SJ4308072091	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	10/08/2021	12/05/2022	Not Required	Likely absent - Moderate
T330	SJ4309172101	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T331	SJ4313372147	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	10/08/2021	11/05/2022	Not Required	Likely absent - Moderate
T332	SJ4315672166	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	10/08/2021	10/05/2022	Not Required	Likely absent - Moderate
~~T333~~	~~SJ3533668037~~	~~Alder *Alnus glutinosa*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
T334	SJ3538467999	Alder *Alnus glutinosa*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T335	SJ3540467985	Alder *Alnus glutinosa*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

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T336	SJ2530369100	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	08/09/2021	~~Due to be completed July-September 2022~~29/06/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T337	SJ2531169057	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T338	SJ4005871149	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
T339	SJ4024671210	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	14/07/2021	12/08/2021	Not Required	Likely absent - Moderate
T340	SJ4023071177	Ash *Fraxinus excelsior*	High	Unable to be climbed	N/A	14/07/2021	12/08/2021	21/09/2021	Likely absent - High
T341	SJ4608774696	Pedunculate oak *Quercus robur*	High	18/08/2021	Low	Not Required	Not Required	Not Required	Low
~~**T342**~~	~~SJ4625174741~~	~~Pedunculate oak *Quercus robur*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
T343	SJ4592574682	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T344	SJ4589774634	Oak sp. *Quercus sp.*	Moderate	15/06/2021	Low	Not Required	Not Required	Not Required	Low
T345	SJ4587274586	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	09/08/2021	29/09/2021	Not Required	Likely absent - Moderate
T346	SJ4572474549	Oak sp. *Quercus sp.*	Moderate	15/06/2021	Low	Not Required	Not Required	Not Required	Low
T349	SJ4538874643	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~~Likely absent - Moderate~~
T350	SJ3258967048	Oak sp. *Quercus sp.*	Moderate	10/02/2022	Moderate	~~Due to be completed July-September 2022~~09/06/2022	06/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T351	SJ3802270212	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

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T352	SJ3811970210	Pedunculate oak *Quercus robur*	High	10/05/2022	Low	Not Required	Not Required	Not Required	Low
T355	SJ4457373538	Sycamore *Acer pseudoplatanus*	Moderate	16/06/2021	Moderate	07/09/2021	Not Required - fully searched during tree climb survey	Not Required	Likely absent - Moderate
T356	SJ4472473618	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T357	SJ4471273630	Oak sp. *Quercus sp.*	Moderate	16/06/2021	Low	Not Required	Not Required	Not Required	Low
T358	SJ4469773645	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	30/06/2021	07/09/2021	Not Required	Likely absent - Moderate
T359	SJ4455373671	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
T360	SJ3303966753	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T361	SJ3770669615	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T362	SJ3767469609	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T363	SJ3765569606	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T364	SJ3774369576	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~07/06/2022	13/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T365	SJ3741469565	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	07/06/2022	~~Due to be completed July-September 2022~~12/07/2022	16/08/2022	Confirmed Roost
T366	SJ3045966948	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T367	SJ3015066969	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T368	SJ4236871261	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T369	SJ4249871280	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
T370	SJ4254471277	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T371	SJ4255171201	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	10/05/2022	~~Due to be completed July-September 2022~~19/07/2022	22/09/2022	Confirmed Roost
~~**T372**~~	~~SJ2918067020~~	~~Ash *Fraxinus excelsior*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
T373	SJ2951967363	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T374	SJ2951067369	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T375	SJ2950267376	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T376	SJ2915067207	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~No access		Not Required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T377	SJ2935567158	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~No access		Not Required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T378	SJ3066066748	Alder *Alnus glutinosa*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~22/06/2022	12/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T379	SJ2880066502	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T380	SJ2883966465	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T381	SJ2861266518	Oak sp. *Quercus sp.*	Moderate	21/07/2021	Negligible	Not Required	Not Required	Not Required	Negligible
T382	SJ2843866544	Dead tree	Moderate	Unable to be climbed	N/A	03/09/2021	~~Due to be completed July-September 2022~~16/06/2022	N/A	~~Unconfirmed~~Likely absent - Moderate
T383	SJ2846566553	Dead tree	High	21/07/2021	Negligible	Not Required	Not Required	Not Required	Negligible
T384	SJ2846266571	Oak sp. *Quercus sp.*	Moderate	21/07/2021	Negligible	Not Required	Not Required	Not Required	Negligible
T385	SJ2842466644	Oak sp. *Quercus sp.*	Moderate	21/07/2021	Negligible	Not Required	Not Required	Not Required	Negligible

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
T386	SJ2836066738	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T387	SJ2827866712	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
T388	SJ2828466700	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T389	SJ2812166873	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T390	SJ2810966867	Alder *Alnus glutinosa*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T391	SJ2810966864	Alder *Alnus glutinosa*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T392	SJ2810666861	Alder *Alnus glutinosa*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T393	SJ2807066800	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~16/06/2022	29/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T398	SJ2863266483	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T399	SJ2864266486	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T400	SJ2864566426	Hawthorn with Elder tree *Crategus sp., / Sambucus nigra*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T401	SJ2862266406	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~09/06/2022	19/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T402	SJ2860066447	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~14/06/2022	19/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T403	SJ2852466459	Pedunculate oak *Quercus robur*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~28/07/2022	20/09/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T404	SJ2854966459	Pedunculate oak *Quercus robur*	Moderate	24/05/2022	Low	Not Required	Not Required	Not Required	Low
T406	SJ2566168532	Oak sp. *Quercus sp.*	Moderate	17/01/2021	Low	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
T407	SJ2559468629	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T408	SJ2554868635	Oak sp. *Quercus sp.*	Moderate	25/10/2021	Low	Not Required	Not Required	Not Required	Low
T409	SJ2557168533	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T410	SJ2555568550	Oak sp. *Quercus sp.*	Moderate	25/10/2021	Low	Not Required	Not Required	Not Required	Low
T411	SJ2554368561	Pedunculate oak *Quercus robur*	Moderate	20/01/22 – second climb suggested due to difficulty accessing features	Moderate	10/05/2022 – second climb	~~Due to be completed July-September 2022~~28/06/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T412	SJ2553568571	Oak sp. *Quercus sp.*	Moderate	25/20/2021	Low	Not Required	Not Required	Not Required	Low
~~**T413**~~	~~SJ2614167729~~	~~Pedunculate oak *Quercus robur*~~	~~Moderate~~	~~Unable to be climbed~~	~~N/A~~	~~Due to be completed July-September 2022~~		~~Not Required~~	~~Unconfirmed~~
T414	SJ2566468345	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T415	SJ2729367412	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T416	SJ2569968270	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T417	SJ2674867585	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
T418	SJ2677867603	Oak sp. *Quercus sp.*	Moderate	17/06/2021	Negligible	Not Required	Not Required	Not Required	Negligible
T419	SJ2636967724	Dead tree	High	No access	N/A	No access			~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T420	SJ2632767725	Ash *Fraxinus excelsior*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T421	SJ2631467706	Ash *Fraxinus excelsior*	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
T422	SJ2634167694	Dead Tree	High	No access	N/A	No access			~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T423	SJ2633067633	Ash *Fraxinus excelsior*	Moderate	No access	N/A	No access		~~N/A~~Not required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T424	SJ2634167648	Alder *Alnus glutinosa*	Moderate	No access	N/A	No access		~~N/A~~Not required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T425	SJ2637567723	Dead tree	Moderate	No access	N/A	No access		~~N/A~~Not required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T426	SJ2632667697	Oak sp. *Quercus sp.*	Moderate	No access	N/A	No access		~~N/A~~Not required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T427	SJ2632967648	Ash *Fraxinus excelsior*	Moderate	No access	N/A	No access		~~N/A~~Not required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T428	SJ2635867657	Silver Birch *Betula pendula*	Moderate	No access	N/A	No access		~~N/A~~Not required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T429	SJ2631567684	Pedunculate oak *Quercus robur*	Moderate	No access	N/A	No access		~~N/A~~Not required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T430	SJ2630967716	Pedunculate oak *Quercus robur*	Moderate	No access	N/A	No access		~~N/A~~Not required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T431	SJ2630967718	Pedunculate oak *Quercus robur*	Moderate	No access	N/A	No access		~~N/A~~Not required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T432	SJ2773767188	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T433	SJ2787066883	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
T434	SJ2781466923	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~21/06/2022	05/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T435	SJ2784066909	Willow sp. *Salix sp.*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~21/06/2022	No Access	Not Required	~~Unconfirmed~~Precautionarily assessed as a Potential Roost
T436	SJ4491473372	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T438	SJ4481073491	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	15/06/2021	15/07/2021	Not Required	Likely absent - Moderate
~~**T439**~~	~~SJ2552769352~~	~~Sycamore *Acer pseudoplatanus*~~	~~Moderate~~	~~20/01/2022~~	~~Low~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
T440	SJ2535669848	Sycamore *Acer pseudoplatanus*	Moderate	03/08/2021	Low	Not Required	Not Required	Not Required	Low
T441	SJ2535069852	Dead Tree	Moderate	21/09/2021	Low	Not Required	Not Required	Not Required	Low
~~**T442**~~	~~SJ2535069871~~	~~Common Beech *Fagus sylvatica*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
T443	SJ2563468420	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T444	SJ2562968448	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T445	SJ2561668468	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T446	SJ2563168507	Pedunculate oak *Quercus robur*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T447	SJ4331272310	Unknown	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T448	SJ4277771644	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T449	SJ4273871626	Ash *Fraxinus excelsior*	High	19/08/2021	High	12/05/2022	~~Due to be completed July-September 2022~~27/07/2022	Not Required - fully searched during tree climb survey	~~Unconfirmed~~Likely absent - High

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
T450	SJ4271971620	Oak sp. *Quercus sp.*	Moderate	19/08/2021	Low	Not Required	Not Required	Not Required	Low
T451	SJ4264471386	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
T452	SJ2571168124	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	30/06/2021	15/07/2021	Not Required	Likely absent - Moderate
T453	SJ3821170360	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~24/05/2022	20/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T454	SJ3818970342	Oak sp. *Quercus sp.*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~24/05/2022	20/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T455	SJ3816770324	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T456	SJ2696767426	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
T457	SJ2694067413	Willow sp. *Salix sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T458	SJ2691767425	Willow sp. *Salix sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T459	SJ2698167447	Ash *Fraxinus excelsior*	Moderate	19/08/2021	Negligible	Not Required	Not Required	Not Required	Negligible
T460	SJ2698967453	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
T461	SJ2705367438	Dead tree	Moderate	Unable to be climbed	N/A	08/09/2021	~~Due to be completed July-September 2022~~22/06/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T462	SJ2701567442	Ash *Fraxinus excelsior*	Moderate	Unable to be climbed	N/A	08/09/2021	~~Due to be completed July-September 2022~~15/06/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T464	SJ3079166911	Sycamore *Acer pseudoplatanus*	Moderate	Unable to be climbed	N/A	~~Due to be completed July-September 2022~~15/06/2022	29/07/2022	Not Required	~~Unconfirmed~~Likely absent - Moderate
T475	SJ2525371101	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low
~~**T476**~~	~~SJ2955967203~~	~~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
~~T477~~	~~SJ2801367322~~	~~Pedunculate oak *Quercus robur*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
~~T478~~	~~SJ4660975155~~	~~Pedunculate oak *Quercus robur*~~	~~Low~~	~~N/A~~	~~N/A~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
~~T479~~	~~SJ4653875149~~	~~Pedunculate oak *Quercus robur*~~	~~Moderate~~	~~27/10/2021~~	~~Low~~	~~Not Required~~	~~Not Required~~	~~Not Required~~	~~Low~~
T480	SJ4462373727	Oak sp. *Quercus sp.*	Low	N/A	N/A	Not Required	Not Required	Not Required	Low

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
~~Trees~~					
Dusk Emergence survey	~~T49~~B113	~~07/09/2021~~08/06/2022	~~Soprano~~Common pipistrelle	~~Emergence of a single bat from feature on north side of tree.~~Emergence of 6 common pipistrelle bats. A single bat from the northwest elevation, a single bat from the northeast elevation under the facia 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~~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	~~Emergence~~Potential emergence of a single bat from ~~broken~~large, open trunk cavity extending into the northernmost lower branch.	~~Day~~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
	T325 ~~– T327~~	10/08/2021	Brown long-eared bat	Potential emergence of a number of bats along this tree line ~~– TBC.~~during survey on 10/08/2021. However, no roosts were recorded during subsequent visits (June and July 2022).	~~TBC – Surveys ongoing~~Potential day roost
	T326	10/08/2021	Brown long-eared bat	Potential emergence of a number of bats aF166long 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

Method	Feature reference/ Tag Number	Date	Species	Comments	Type of roost
	T365	07/06/2022	Common pipistrelle	Emergence of a single bat from ~~top of hollow~~split in ~~trunk~~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
	~~T371~~T321	~~10/05~~23/08/2022	~~Common~~Soprano pipistrelle	Emergence of a single bat from ~~south~~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
~~Dawn Re-entry survey~~	T111	29/06/2022	Common pipistrelle and *Myotis* 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
	~~T166~~T283	~~18/05~~13/07/2022	Common pipistrelle	~~Re~~Potential re-entry of a single bat into ~~top of~~the tree.	~~Day~~Potential day roost
	T321	13/07/2022	Noctule	Re-entry of at least 22 ~~noctules~~bats into a hole on the underside broken branch on ~~West~~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.	Dusk/Dawn	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)
B8	1 – 24/05/2022	Dusk	13 11	2 2	2 3	0 0
B68	1 – 24/05/2022	Dusk	14 11	1 0	2 1	0 0
B79	1 – 18/08/2022	Dawn	15 15	2 2	7 8	0 0
B82	1 – 26/05/2022	Dawn	11 12	1 1	6 7	0 0
B97	1 – 26/05/2022	Dusk	15 12	2 1	2 4	0 0
	2 – 09/06/2022	Dawn	15 15	4 4	5 5	0 0
	3 – 23/06/2022	Dawn	12 10	0 0	0 0	0 0
B113	1 – 18/08/2021	Dusk	16 14	1 1	8 8	0 0
	2 – 25/05/2022	Dawn	11 11	3 2	8 8	0 0
	3 – 08/~~07~~06/2022	Dusk	15 15	2 2	2 4	0 0
B133	1 – 25/05/2022	Dusk	15 12	2 1	3 3	0 0
	2 – 09/06/2022	Dawn	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	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the ~~Infa~~Infra-red camera used?
BB_T875	1 – 04/05/2022	Dusk	11 10	1 1	8 8	0 0	No
	2 – 17/05/2022	Dawn	13 13	2 2	7 6	0 0	No
BB_T876	1 – 19/05/2022	Dawn	10 10	2 1	8 0	0 0	No
	2 – 07/06/2022	Dawn	13 13	0 0	8 6	0 0	No
	3 – 05/07/2022	Dusk	16 16	1 2	8 8	0 0	No
T1	1 – 30/06/2022	Dusk	14 12	2 2	4 6	0 0	No
	2 – 29/07/2022	Dawn	15 15	0 0	8 8	0 1	No
T2	1 – 30/06/2022	Dusk	14 13	3 1	7 3	0 0	No
	2 – 19/07/2022	Dawn	20 22	0 1	5 4	0 0	No
T3	1 – 30/06/2021	Dusk	14 13	3 1	7 3	0 0	No
T4	1 – 30/06/2022	Dawn	12 12	1 1	8 7	1 0	No
	2 – 19/07/2022	Dusk	26 22	0 3	1 8	0 0	No
T6	1 – 02/09/2021	Dusk	17 15	1 1	1 1	0 0	No
	2 – 28/06/2022	Dawn	13 13	2 2	8 6	0 0	No
T8	1 – 02/09/2021	Dusk	18 15	1 1	1 1	0 0	No
	2 – 28/06/2022	Dawn	13 13	2 3	8 7	0 0	No
T9	1 – 03/09/2021	Dawn	14 14	2 3	0 1	0 0	Yes
	2 – 29/06/2022	Dusk	16 14	2 2	6 8	0 1	No
T29	1 – 28/06/2022	Dusk	15 14	2 1	8 8	1 0	No
T30	1 – 28/06/2022	Dusk	15 14	3 3	8 8	0 1	No
T41	1 – 14/06/2022	Dusk	15 13	1 1	1 1	0 0	No
T42	1 – 14/06/2022	Dusk	15 12	0 0	0 0	0 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the ~~Infa~~Infra-red camera used?
T44	1 – 07/06/2021	Dusk	16 15	0 0	1 2	0 0	No
	2 – 20/07/2021	Dawn	17 17	0 0	1 4	0 0	No
T45	1 – 16/06/2022	Dusk	17 15	2 2	6 6	0 0	No
T47	1 – 0709/2021	Dusk	26 22	0 0	0 0	0 0	No
	2 – 11/05/2022	Dawn	12 12	3 3	7 8	0 1	No
T49	1 – 07/09/2021	Dusk	26 22	1 1	0 0	0 0	No
	2 – 10/05/2022	Dawn	13 12	1 1	7 7	0 0	No
	3 – 16/08/2022	Dusk	19 17	1 2	7 7	0 0	No
T57	1 – 24/05/2022	Dawn	10 10	2 2	6 6	0 0	No
	2 – 28/06/2022	Dusk	13 14	2 2	8 8	1 1	No
T58	1 – 25/05/2022	Dusk	14 13	1 1	2 2	0 0	No
	2 – 21/07/2022	Dawn	16 15	3 3	6 7	0 0	No
T68	1 – 05/05/2022	Dusk	15 13	2 5	7 7	0 0	No
	2 – 14/07/2022	Dawn	12 13	2 2	5 7	0 0	No
T70	10/05/2022	Climb as visit	N/A	N/A	N/A	N/A	N/A
	17/05/22	Dawn	12 11	1 1	1 1	0 0	No
T73	06/10/2021	Dusk	14 14	1 1	8 8	1 0	Yes
	04/05/2022	Dusk	12 11	3 4	8 8	0 0	No
	05/07/2022	Dawn	14 13	2 1	7 2	0 0	No
T76	21/06/2022	Dusk	17 15	4 3	0 0	0 0	No
	13/07/2022	Dawn	17 16	3 3	7 7	0 0	No
T81	22/06/2022	Dusk	20 16	2 1	1 0	0 0	No
	14/07/2022	Dawn	12 13	1 2	7 7	0 0	No
T84	07/10/2021	Dawn	15 14	1 1	7 5	0 0	Yes

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the ~~Infa~~Infra-red camera used?
	04/05/2022	Dusk	12 11	2 2	8 8	0 0	No
	22/09/2022	Dawn	12 12	2 3	7 5	0 0	No
T85	21/06/2022	Dusk	18 15	4 3	0 0	0 0	No
	12/07/2022	Dawn	20 19	2 2	8 8	0 0	No
T87	1 – 16/06/2021	Dusk	18 14	5 1	8 8	0 0	No
	2 – 21/07/2021	Dawn	14 15	0 0	0 0	0 0	No
	3 – 23/09/2021	Dusk	17 15	3 1	4 3	0 0	Yes
T88	1 – 06/08/2021	Dusk	17 12	4 4	5 6	0 0	No
	2 – 19/08/2021	Dusk	17 15	1 1	6 7	0 0	No
	3 – 07/06/2022	Dawn	11 12	1 1	8 8	0 0	No
T91	1 – 19/08/2021	Dusk	17 15	1 1	6 7	0 0	No
	2 – 07/06/2022	Dawn	12 12	1 1	8 7	0 0	No
~~T94~~T93	1 – ~~19/08/2021~~15/06/2022	Dusk	~~17~~ 15 13	2 1 ~~1~~	~~6~~ ~~7~~1 1	0 0	No
~~T95~~T94	1 – 19/08/2021	Dusk	17 15	1 1	6 7	0 0	No
	2 – 14/06/2022	Dawn	9 8	2 1	3 3	0 0	No
	3 – 06/07/2022	Dusk	18 17	4 4	8 8	0 0	No
T97	1 – 12/08/2021	Dusk	18 17	2 3	6 8	0 0	No
T99	1 - 12/08/2021	Dusk	18 17	2 3	6 8	0 0	No
T100	1 - 12/08/2021	Dusk	18 17	2 3	6 8	0 0	No
T101	1 - 12/08/2021	Dusk	18 17	2 3	6 8	0 0	No
T102	1 – 16/06/2021	Dawn	14 11	0 0	1 6	0 0	No
	2 – 21/07/2021	Dusk	23 20	1 1	0 0	0 0	No
	3 – 17/08/2021	Dusk	16 16	3 4	8 8	0 2	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the ~~Infa~~Infra-red camera used?
T105	1 – 05/10/2021	Dusk	13 12	6 6	2 4	0 0	No
T109	1 – 11/05/2022	Dusk	12 11	0 0	4 3	0 0	No
	2 – 29/06/2022	Dawn	13 13	1 1	8 9	1 1	No
T110	1 – 11/05/2022	Dusk	12 12	5 5	2 3	0 0	No
	2 – 29/06/2022	Dawn	13 13	3 2	7 7	0 0	No
T111	1 – 11/05/2022	Dusk	13 11	1 1	2 1	0 0	No
	2 – 29/06/202	Dawn	14 13	0 0	7 8	1 2	No
	3 – 17/08/2022	Dawn	15 15	2 2	8 8	1 1	No
T116	1 – 08/06/2021	Dusk	22 15	1 1	2 1	0 0	No
	2 – 23/06/2021	Dawn	9 7	1 1	0 0	0 0	No
T117	1 – 08/06/2021	Dusk	18 16	1 1	0 0	0 0	No
	2 – 23/06/2021	Dawn	9 10	1 1	5 5	0 0	No
T118	1 – 08/06/2021	Dusk	16 12	1 1	0 0	0 0	No
	2 – 23/06/2021	Dawn	8 8	0 0	0 0	0 0	No
T137	1 – 04/08/2022	Dawn	15 15	2 3	7 7	0 0	No
	2 – 25/08/2022	Dusk	17 15	2 2	3 1	0 0	No
T144	1 – 23/06/2022	Dawn	10 11	2 1	0 0	0 0	No
	2 – 05/07/2022	Dusk	16 16	0 0	7 8	0 0	No
T145	1 – 23/06/2022	Dawn	12 11	1 1	1 0	0 0	No
	2 – 05/07/2022	Dusk	16 16	1 1	7 8	0 0	No
T147	1 – 18/05/2022	Dusk	14 13	4 4	7 7	1 0	No
	2 – 07/07/2022	Dawn	14 14	4 4	8 8	0 0	No
T148	1 – 17/05/2022	Dusk	15 13	3 1	5 1	1 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the ~~Infa~~Infra-red camera used?
	2 – 06/07/2022	Dawn	16 16	1 2	8 8	0 0	No
T149	1 – 17/05/2022	Dusk	15 13	3 4	5 4	1 0	No
	2 – 06/07/2022	Dawn	16 15	2 4	7 8	0 0	No
T152	1 – 17/05/2022	Dusk	17 14	4 2	5 4	0 0	No
	2 – 06/07/2022	Dawn	16 15	4 4	8 8	0 0	No
T159	1 – 10/06/2021	Dawn	18 17	0 1	7 7	0 0	No
	2 – 15/07/2021	Dusk	20 13	1 1	0 0	0 0	No
	3 – 23/08/2021	Dusk	17 18	3 2	4 4	0 0	No
T164	1 - 18/05/2022	Dusk	14 13	4 3	8 4	0 0	No
	2 - 07/07/2022	Dawn	15 14	4 3	8 8	1 0	No
T165	1 - 18/05/2022	Dusk	16 13	3 4	8 7	1 0	No
	2 - 07/07/2022	Dawn	14 14	3 3	8 8	1 0	No
T166	1 - 02/08/2021	Dusk	13 13	2 2	8 8	0 0	No
	~~1~~2 – 18/05/2022	Dawn	11 10	1 1	2 1	0 0	No
	3 – 15/08/2022	Dusk	19 18	1 1	7 8	1 0	No
T167	1 – 29/06/21	Dusk	17 16	1 1	6 8	0 0	No
	2 – 03/08/2021	Dawn	10 8	1 1	8 8	0 0	No
T168	1 - 02/08/2021	Dusk	14 13	2 2	8 8	0 0	No
	2 – 12/07/2022	Dusk	22 20	2 1	6 6	0 0	No
	3 – 04/08/2022	Dawn	16 15	1 1	7 3	0 0	No
T169	1 - 02/08/2021	Dusk	14 13	2 2	8 8	0 0	No
T170	1 - 02/08/2021	Dusk	14 13	2 2	8 8	0 0	No
T171	1 - 03/08/2021	Dusk	17 16	2 2	3 6	0 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the ~~Infa~~Infra-red camera used?
T172	1 - 03/08/2021	Dusk	17 16	2 2	3 6	0 0	No
	2 – 19/05/2022	Dawn	10 9	1 1	5 4	0 0	No
T173	1 - 03/08/2021	Dusk	17 16	2 2	3 6	0 0	No
	2 – 18/05/2022	Dawn	11 10	1 1	0 1	0 0	No
T174	1 - 03/08/2021	Dusk	17 16	2 2	3 6	0 0	No
	2 – 18/05/2022	Dawn	11 10	1 1	0 1	0 0	No
T175	1 - 04/08/2021	Dawn	11 11	1 1	3 2	0 0	No
	2 – 19/05/2022	Dusk	15 13	1 1	7 7	0 0	No
T190	1 – 15/06/2022	Dusk	15 13	2 2	1 1	0 0	No
	2 – 29/07/2022	Dawn	15 14	1 1	8 8	0 0	No
	3 – 15/08/2022	Dusk	18 17	1 0	7 7	1 0	No
T193	1 – 12/08/2021	Dusk	18 18	3 3	7 8	0 0	No
	2 – 23/09/2021	Dawn	17 17	0 0	8 8	0 1	Yes
T197	1 – 19/05/2022	Dawn	10 9	3 2	5 3	0 0	No
	2 – 14/07/2022	Dusk	16 14	2 2	3 1	0 0	No
T198	1 – 24/05/2021	Dusk	11 10	2 1	8 8	0 0	No
	2 – 26/07/2021	Dusk	18 17	0 0	3 3	0 0	No
	3 – 22/09/2021	Dawn	10 9	1 1	4 5	0 0	No
T200	1 – 26/07/2021	Dusk	17 16	1 1	1 1	0 0	No
	2 – 22/09/2021	Dawn	11 9	1 1	1 1	0 0	Yes
T201	1 – 24/05/2021	Dusk	11 11	3 2	4 7	0 0	No
	2 – 27/07/2021	Dawn	16 15	0 0	8 8	0 0	No
T203	1 – 25/05/2021	Dusk	11 11	2 1	8 7	0 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the ~~Infa~~Infra-red camera used?
	2 – 27/07/2021	Dawn	15 15	1 1	7 1	0 0	No
T204	1 – 14/06/2021	Dusk	15 13	0 0	0 0	0 0	No
	2 – 28/07/2021	Dawn	20 18	4 2	8 8	1 0	No
T205	1 – 26/07/2021	Dusk	20 17	2 3	6 7	0 0	No
T206	1 – 25/05/2021	Dusk	13 13	4 4	8 8	0 0	No
	2 – 28/07/2021	Dawn	16 15	3 2	8 8	1 0	No
T214	1 – 04/08/2021	Dusk	18 17	1 1	6 7	0 0	No
T215	1 – 04/08/2021	Dusk	18 17	1 1	6 7	0 0	No
	2 – 08/06/2022	Dawn	14 14	2 1	7 6	0 0	No
T216	1 - 04/08/2021	Dusk	18 17	1 1	6 7	0 0	No
T217	1 – 04/08/2021	Dusk	18 17	1 1	6 7	0 0	No
T218	1 – 04/08/2021	Dusk	18 17	1 1	6 7	0 0	No
T219	1 – 04/08/2021	Dusk	18 17	1 1	6 7	0 0	No
	2 – 10/05/2022	Climb as visit	N/A	N/A	N/A	N/A	N/A
	3 – 03/08/2022	Dawn	18 17	3 2	5 4	0 0	No
T220	1 – 04/08/2021	Dusk	18 17	1 1	6 7	0 0	No
	2 – 03/08/2022	Dawn	18 17	3 2	3 4	0 0	No
	~~1 – 29/09/2021~~3 – 22/08/2022	Dusk	~~12~~ ~~10~~20 17	0 0	~~2~~ 5 7	0 0	No
T222	1 – 08/06/2022	Dusk	15 14	1 1	2 3	0 0	No
	2 – 19/07/2022	Dawn	23 21	0 0	1 1	0 0	No
T223	1 – 07/07/2022	Dawn	17 15	2 1	3 1	0 0	No
	2 – 21/07/2022	Dusk	15 15	3 3	8 8	0 0	No
T225	1 – 03/08/2022	Dawn	18 17	4 4	2 2	0 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the ~~Infa~~Infra-red camera used?
	2 – 22/08/2022	Dusk	18 16	2 1	4 4	0 0	No
T228	1 – 08/06/2022	Dusk	16 13	2 1	2 4	0 0	No
T230	1 – 03/08/2022	Dawn	17 15	3 or 4 3 or 4	1 1	0 0	No
	2 – 25/08/2022	Dusk	16 13	2 2	1 1	0 0	No
T234	1 – 29/09/2021	Dusk	12 10	0 0	2 5	0 0	No
	2 – 13/07/2022	Dusk	15 14	2 0	2 0	0 0	No
	3 – 04/08/22	Dawn	15 15	2 2	8 6	0 0	No
T238	1 – 13/07/2022	Dawn	17 15	4 3	7 6	0 0	No
	2 – 02/08/2022	Dusk	21 20	3 3	6 6	0 0	No
	3 – 23/08/2022	Dusk	20 21	0 0	7 3	1 0	No
T240	1 – 11/08/2021	Dusk	18 16	1 1	1 1	0 0	No
T241	1 – 11/08/2021	Dusk	18 16	1 1	1 1	0 0	No
~~T243~~	~~1 – 27/05/2021~~	~~Dusk~~	~~14~~ ~~15~~	~~1~~ ~~0~~	~~3~~ ~~3~~	~~0~~ ~~0~~	~~No~~
	~~2 – 20/07/2021~~	~~Dusk~~	~~20~~ ~~19~~	~~0~~ ~~0~~	~~0~~ ~~0~~	~~0~~ ~~0~~	~~No~~
	~~3 – 02/08/2021~~	~~Dawn~~	~~12~~ ~~12~~	~~1~~ ~~1~~	~~8~~ ~~7~~	~~0~~ ~~0~~	~~No~~
~~T244~~	~~1 – 28/05/2021~~	~~Dawn~~	~~12~~ ~~12~~	~~1~~ ~~0~~	~~7~~ ~~7~~	~~0~~ ~~0~~	~~No~~
	~~2 – 19/07/2021~~	~~Dusk~~	~~21~~ ~~20~~	~~2~~ ~~0~~	~~1~~ ~~0~~	~~0~~ ~~0~~	~~No~~
	~~3 – 02/08/2021~~	~~Dawn~~	~~12~~ ~~12~~	~~1~~ ~~1~~	~~8~~ ~~7~~	~~0~~ ~~0~~	~~No~~
T248	1 – 30/06/2021	Dawn	15 13	1 1	4 4	0 0	No
	2 – 19/07/2021	Dusk	24 20	1 1	2 1	0 0	No
T254	1 – 10/05/2022 Tree inspection using endoscope.	N/A	N/A	N/A	N/A	N/A	N/A
	2 – 04/08/2022	Dawn	14 15	3 3	6 7	0 0	No
	3 – 24/08/2022	Dusk	16 15	1 1	6 ?	0 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the ~~Infa~~Infra-red camera used?
T255	Climb as visit	N/A	N/A	N/A	N/A	N/A	N/A
T261	1 – 02/09/2021	Dusk	18 16	0 0	2 0	0 0	No
T265	1 – 10/05/2022	Dusk	13 13	2 2	8 8	0 0	No
~~**T266**~~	~~1 – 13/08/2021~~	~~Dusk~~	~~19~~ ~~16~~	~~3~~ ~~2~~	~~5~~ ~~6~~	~~0~~ ~~0~~	~~No~~
T267	1 – 13/08/2021	Dusk	19 16	3 2	5 6	0 0	No
	2 – 28/09/2021	Dawn	11 11	2 2	5 8	0 0	No
T272	1 – 16/06/2022	Dawn	8 9	1 1	0 0	0 0	No
	2 – 12/07/2022	Dusk	20 10	1 2	6 7	0 0	No
T273	1 – 16/06/2022	Dusk	19 18	1 1	7 8	0 0	No
	2 – 12/07/2022	Dusk	22 19	1 2	4 6	0 0	No
T274	1 – 16/06/2022	Dawn	9 8	1 2	1 2	0 0	No
	2 – 12/07/2022	Dusk	21 19	2 2	1 7	0 0	No
T275	10/08/2021	Dusk	17 16	1 1	2 2	0 0	No
	11/05/2022	Dawn	12 11	1 1	5 5	0 1	No
T276	10/08/2021	Dusk	17 16	1 1	2 2	0 0	No
	12/05/2022	Dawn	8 8	1 0	1 0	0 0	No
T277	1 – 09/08/2021	Dawn	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
T278	1 – 09/08/2021	Dawn	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
T279	1 – 09/08/2021	Dawn	13 12	1 1	8 8	0 0	No
	2 – 13/07/2022	Dusk	17 14	1 1	2 1	0 0	No
T283	1 – 13/07/2022	Dawn	17 16	3 4	8 4	0 0	No
	2 – 04/08/2022	Dusk	17 15	2 2	2 3	0 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the ~~Infa~~Infra-red camera used?
	3 – 24/08/2022	Dusk	17 16	0 0	6 7	0 0	No
T284	1 – 12/07/2022	Dusk	22 19	2 2	4 4	0 0	No
	2 – 25/08/2022	Dawn	15 15	2 2	8 4	0 0	No
T286	1 – 14/06/2022	Dawn	9 8	1 1	0 1	0 0	No
	2 – 13/07/2022	Dusk	17 14	2 2	2 1	0 0	No
T288	1 – 23/08/2021	Dusk	20 18	1 1	3 4	0 0	No
	2 – 30/06/2022	Dawn	12 11	0 0	8 8	1 0	No
T292	1 – 22/06/2022	Dawn	13 12	2 1	1 2	0 0	No
	2 – 14/07/2022	Dusk	16 14	3 0	3 3	0 0	No
T293	1 – 22/06/2022	Dawn	13 13	1 1	0 1	0 0	No
	2 – 14/07/2022	Dusk	17 14	2 1	3 2	0 0	No
T295	1 – 11/08/2021	Dawn	14 12	2 3	8 7	0 0	No
	2 – 23/09/2021	Dusk	16 16	2 1	5 8	0 0	Yes
T296	1 – 11/08/2021	Dawn	13 13	1 1	2 1	0 0	No
	2 – 29/09/2021	Dusk	12 9	2 0	6 5	0 0	Yes
T297	1 – 11/08/2021	Dawn	13 13	1 1	2 1	0 0	No
	2 – 19/05/2022	Dusk	15 13	3 3	4 7	0 0	No
T302	1 –13/06/2022	Dusk	14 12	0 0	1 1	0 0	No
	2 – 14/07/2022	Dawn	12 13	2 2	7 8	0 0	No
T304	1 – 13/06/2022	Dusk	14 12	0 0	1 1	0 0	No
	2 – 14/07/2022	Dawn	12 13	2 2	8 7	0 0	No
T309	1 – 14/06/2022	Dusk	15 12	0 0	1 0	0 0	No
T317~~T312~~	1 – ~~14~~15/06/2022	Dusk	~~15~~ ~~12~~16 13	0 0	~~1~~ 0 0	0 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the ~~Infa~~Infra-red camera used?
	~~1 – 15/06~~2 – 14/07/2022	Dawn	~~8~~ ~~8~~13 13	0 ~~0~~1	~~2~~ ~~2~~8 7	0 0	No
~~T314~~T318	1 – ~~15/06~~13/07/2022	Dawn	~~8~~ ~~8~~17 16	~~0~~ ~~0~~1 2	~~2~~ ~~2~~8 8	1 0 ~~0~~	No
	2 – 02/08/2022	Dusk	22 20	4 3	6 6	0 0	No
	3 – 23/08/2022	Dusk	20 19	2 1	8 7	0 0	No
T321~~T317~~	1 – ~~15/06~~13/07/2022	~~Dusk~~Dawn	17 16 ~~13~~	~~0~~ ~~0~~1 2	~~0~~ ~~0~~7 7	0 0	No
	~~1 – 15/06~~2 – 04/08/2022	Dusk	~~16~~ 15 13	~~0~~ ~~0~~1 1	~~0~~ ~~0~~1 2	0 0	No
	3 – 23/08/2022	Dusk	20 19	1 1	6 4	1 0	No
T324	1 – 10/05/2022	Dusk	14 13	2 2	3 5	0 0	No
	2 - 14/07/2022	Dawn	12 13	1 2	7 7	0 0	No
	3 - 17/08/2022	Dusk	18 16	1 1	8 8	0 0	No
T325	1 – 10/08/2021	Dusk	17 15	1 1	7 7	0 0	No
	2 – 23/06/2022	Dawn	12 12	1 1	1 1	0 0	No
	3 – 13/07/2022	Dusk	16 ?	1 ?	2 ?	0 ?	No
T327	1 – 10/08/2021	Dusk	17 15	1 1	7 7	0 0	No
	2 - 12/05/2022	Dawn	9 8	1 1	1 1	0 0	No
T329	1 – 10/08/2021	Dusk	17 15	1 1	7 7	0 0	No
	2 - 12/05/2022	Dawn	9 9	1 1	1 1	0 0	No
T331	1 – 10/08/2021	Dusk	17 15	1 1	7 7	0 0	No
	2 – 11/05/2022	Dawn	12 11	2 2	2 3	0 2	No
T332	1 – 10/08/2021	Dusk	17 15	1 1	7 7	0 0	No
	2 – 10/05/2022	Dawn	13 12	2 2	2 2	0 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the ~~Infa~~Infra-red camera used?
T336	1 –08/09/2021	Dawn	16 14	0 0	0 0	0 0	No
	2 – 29/06/2022	Dusk	15 14	1 1	4 8	0 3	No
T338	1 – 08/09/2021	Dawn	16 14	0 0	0 0	0 0	No
T338	1 – 21/07/21	Climb as visit	N/A	N/A	N/A	N/A	N/A
	~~1~~2 – 17/08/2021	Climb as visit	N/A	N/A	N/A	N/A	N/A
T339	1 – 14/07/2021	Dusk	18 15	1 1	0 0	0 0	No
	2 – 12/08/2021	Dawn	11 11	2 3	7 7	0 0	No
~~T338~~T340	1 – 14/07/2021	Dusk	17 15	0 1	0 1	0 0	No
	2 – 12/08/2021	Dawn	11 11	2 3	7 7	0 0	No
	3 – 21/09/2021	Dusk	16 14	0 0	7 8	0 0	Yes
T345	1 – 09/08/2021	Dusk	17 15	2 2	6 7	0 0	No
	2 – 29/09/2021	Dawn	12 11	2 2	8 8	1 0	No
T349	1 – 09/08/2021	Dusk	17 15	2 2	6 7	0 0	No
	2 – 06/10/2021	Dawn	12 11	5 5	4 3	0 0	No
T350	1 – 09/06/2022	Dawn	11 11	2 2	1 2	0 0	No
	2 – 06/07/2022	Dusk	18 16	4 4	8 8	0 0	No
T355	1 – 07/09/2021	Dawn	15 13	0 0	8 8	0 0	Yes
T358	1 – 30/06/2021	Dusk	15 15	1 1	3 2	0 0	No
	2 – 07/09/2021	Dawn	12 12	1 1	8 3	0 0	No
T359	1 – 07/09/2021	Dawn	12 12	0 0	8 8	0 0	No
T364	1 – 07/06/2022	Dusk	16 16	2 2	8 8	1 0	No
	2 – 13/07/2022	Dawn	20 18	2 2	8 8	0 0	No
T365	1 – 07/06/2022	Dusk	13 16	3 2	8 8	1 0	No
	2 – 12/07/2022	Dawn	20 20	2 2	8 8	0 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the ~~Infa~~Infra-red camera used?
	3 – 16/08/2022	Dawn	16 17	3 2	8 8	0 0	No
T371	1 – 10/05/2022	Dusk	13 13	2 2	2 2	0 0	No
	2- 19/07/2022	Dawn	22 22	1 2	2 2	0 0	No
	3- 22/09/2022	Dusk	14 14	0 0	7 7	1 0	No
T378	1 – 22/06/2022	Dusk	19 16	1 1	1 1	0 0	No
	2- 12/07/2022	Dawn	20 21	1 2	7 7	0 0	No
T382	1 – 03/09/2021	Dawn	14 14	1 1	8 8	0 0	No
	2 – 16/06/2022	Dawn	9 8	0 0	1 3	0 0	No
T387	1 – 17/08/2021	Climb as visit	N/A	N/A	N/A	N/A	N/A
	2 - 22/09/2021	Dusk	18 14	3 1	6 1	0 0	Yes
T393	1 – 16/06/2022	Dusk	19 19	1 2	6 7	0 0	No
	2 – 29/07/2022	Dawn	14 15	1 1	8 8	0 0	No
T401	1 – 09/06/2022	Dawn	10 9	2 1	1 2	0 0	No
	2 – 19/07/2022	Dusk	24 20	1 2	2 2	0 0	No
T402	1 – 14/06/2022	Dawn	7 7	1 1	1 2	0 0	No
	2 – 19/07/2022	Dusk	22 21	0 0	2 2	0 0	No
T403	1 – 28/07/2022	Dawn	13 13	1 1	8 8	0 0	No
	2 – 20/09/2022	Dusk	16 14	2 1	8 7	0 0	No
T411	1 – 10/05/2022	Climb as visit	N/A	N/A	N/A	N/A	N/A
	2 – 28/06/2022	Dawn	12 12	1 0	7 7	0 0	No
T417	1 – 24/08/2021	Dusk	20 16	0 0	4 4	0 0	No
T434	1 – 21/06/2022	Dawn	9 9	2 2	4 3	0 0	No
	2 – 05/07/2022	Dusk	15 15	1 0	8 8	0 0	No
T435	1 – 21/06/2022	Dawn	7 7	1 1	2 2	0 0	No

Tree ID or Tag No.	Survey No.	Dusk/Dawn	Temperature Start/End (°C)	Wind Start/End (Beaufort)	Cloud Start/End (out of 8)	Rain Start/End (out of 5)	Was the ~~Infa~~Infra-red camera used?
T437	1 – 15/06/2021	Dusk	19 17	0 0	1 2	0 0	No
	2 – 15/07/2021	Dawn	17 18	2 2	4 8	0 0	No
T438	1 – 15/06/2021	Dusk	21 17	1 1	0 0	0 0	No
	2 – 15/07/2021	Dawn	19 19	1 1	8 8	0 0	No
T449	1 – 12/05/2022	Dusk	13 12	3 3	5 8	0 0	No
	2 - 27/07/2022	Dawn	11 10	1 1	2 2	0 0	No
T451	1 – 12/05/2022	Dusk	12 12	2 3	7 8	0 0	No
T452	1 - 30/06/2021	Dusk	16 13	0 0	1 7	0 0	No
	2 - 15/07/2021	Dawn	17 16	3 4	4 8	0 0	No
T453	1 -24/05/2022	Dusk	14 12	2 2	2 5	0 0	No
	2 -20/07/2022	Dawn	18 17	3 4	5 6	0 0	No
T454	1 -24/05/2022	Dusk	14 11	3 1	1 2	0 0	No
	2 -20/07/2022	Dawn	18 17	3 3	7 7	0 0	No
T456	1 – 07/10/2021	Dawn	14 14	1 2	6 7	0 0	No
T461	1 – 08/09/2021	Dusk	23 21	0 1	6 5	0 0	No
	2 – 22/06/2022	Dawn	12 14	2 1	0 0	0 0	No
T462	1 – 08/09/2021	Dusk	24 19	0 0	7 7	0 0	No
	2 – 15/06/2022	Dawn	10 8.5	1 1	1 1	0 0	No
T464	1 – 15/06/2022	Dusk	16 14	1 1	1 1	0 0	No
	2 – 29/07/2022	Dawn	15 15	1 1	7 8	0 1	No

Annex G

BATS STRUCTURE AND TREES PHOTO SUPPLEMENT