A30 Chiverton to Carland Cross Improvement Scheme
Environmental Statement

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A30 CHIVERTON TO CARLAND CROSS

BAT ROOST REPORT

CONFIDENTIAL

FEBRUARY 2018

WSP | PARSONS BRINCKERHOFF

A30 CHIVERTON TO CARLAND CROSS

BAT ROOST REPORT

Highways England

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1 INTRODUCTION

1.1 OVERVIEW

1.1.1 WSP was commissioned by Highways England to undertake ecological surveys in respect of the proposed A30 Chiverton Cross to Carland Cross Improvement Scheme (hereafter referred to as 'the proposed Scheme'). Surveys were required in order to inform an Ecological Impact Assessment (EcIA) forming part of an Environmental Statement (ES) supporting a Development Consent Order (DCO) Application for the proposed Scheme.

1.1.2 The 'proposed Scheme' refers to all land within the provisional DCO boundary (at October 2017).

1.2 SITE CONTEXT AND ECOLOGICAL BACKGROUND

1.2.1 The A30 is a major trunk road running through the centre of Cornwall from West to East. The A30 forms an important route through the county of Cornwall and is under pressure during the summer months due to the high volume of tourism-related traffic. The section of road between Chiverton Cross and Carland Cross is a traffic pinch point, where the dual carriageway narrows to single carriageway in both directions between two roundabouts. The single carriageway sits between grid references SW 74759 46978 at the western end and SW 84665 53957 at the eastern end (Figure 1, Appendix A).

1.2.2 The presence of habitat considered suitable to support roosting, foraging and commuting bats was identified during a Phase 1 Habitat Verification Survey conducted on 6th August 2015[1]. In addition, the desk study undertaken as part of the report confirmed the presence of roosting bats within 10 km of the current A30 (the search area). As such, a suite of bat surveys was recommended to understand how bats were using the surrounding habitats and to inform suitable mitigation associated with the proposed Scheme.

1.3 BRIEF AND OBJECTIVES

1.3.1 The objectives of the suite of roosting surveys undertaken was to identify the bat species roosting within the features (trees and built structures) directly affected by the proposed Scheme, and within survey areas that might be indirectly affected by the proposed Scheme. The survey results will be used to inform measures to mitigate any potentially adverse effects on local bat populations. The mitigation measures will be detailed within the subsequent ES that accompanies the Application for Development Consent.

1.3.2 Bat roosting surveys undertaken within 2016 and 2017 consisted of the following surveys:-

- **Ground based tree assessments** were undertaken of all trees within 50 m of the 2016 proposed Scheme options in order to identify and categorise the bat potential roosting features (PRFs) recorded within the trees. The assessments categorised trees as having either negligible, low, moderate or high suitability for roosting bats, or as confirmed roosts;
- **Aerial tree climbing surveys** were undertaken of all trees considered to have moderate or higher potential to support roosting bats within a minimum of 20 m of the 2017 proposed Scheme. The purpose of the aerial inspections was to inspect the PRFs identified from the

[1] WSP | Parsons Brinckerhoff (2015), A30 Carland Cross to Chiverton Cross Phase 1 Habitat verification Survey. Prepared on behalf of Highways England.

ground as having potential to support roosting bats. As agreed with Natural England, following the initial aerial tree climbing survey, trees that were considered to have moderate potential or higher and were considered to be exhaustively surveyed at height were re-climbed as part of the recommended number of surveys visits to have confidence in an assessment of likely absence[2]. If the feature was less suitable than it appeared from the ground the tree category was downgraded. If the feature could not be properly assessed, emergence and re-entry surveys were recommended.

- **External and internal daytime surveys** were undertaken concurrently of all structures within 100 m of the proposed Scheme (where access was granted and it was considered safe to do so). The assessment categorised buildings as having negligible, low, moderate or high suitability for roosting bats, or as confirmed roosts.
- **Emergence and re-entry surveys were undertaken of buildings;** the number of survey visits undertaken within the survey area was dependant on the considered Zone of Influence of the proposed Scheme and current best practice guidelines[2].
- **Emergence and re-entry surveys were undertaken of trees** considered to have moderate or higher suitability to support roosting bats within a minimum of 20 m from the proposed Scheme where the aerial tree climbing surveys were not considered to be exhaustive (i.e. 100% of the feature could be inspected).
- **Hibernation scoping surveys** were undertaken to ground truth any potential important hibernation locations (such as mine shafts) that were identified from historical and aerial mapping.

1.1 LEGISLATION

1.1.1 All UK bat species are included in Annex IV of the EC Habitats Directive which is transposed into UK law under Schedule 2 of the Conservation of Habitats and Species Regulations 2010 (as amended) which defines 'European protected species of animals'. This legislation is commonly referred to as the 'Habitats Regulations'. Barbastelle (*Barbastella barbastellus*), Bechstein's bat (*Myotis bechsteinii*), greater horseshoe bat (*Rhinolophus ferrumequinum*) and lesser horseshoe bat (*Rhinolophus hipposideros*) are also listed on Annex II of the Habitats Directive, which means that Special Areas of Conservation (SAC) may be attributed to internationally important roosts and foraging areas of these species.

1.1.2 All 18 native UK bat species also receive partial protection under Schedule 5 of the Wildlife and Countryside Act 1981 (WCA) (as amended). The Countryside and Rights of Way Act 2000 (CRoW) has amended the WCA in England and Wales and this act adds additional enforcement.

1.1.3 Together this legislation makes it illegal to:

- Deliberately kill, injure or capture bats;
- Deliberately disturb bats whether in a roost or not, disturbance includes anything that is likely to impair their ability to survive, breed, reproduce or rear their young, or impair their ability to hibernate or migrate.
- Intentionally or recklessly disturb roosting bats or obstruct access to their roosts;
- Damage or destroy a bat roosting place (even if bats are not occupying the roost at the time);
- Possess or transport a bat or any part of a bat unless acquired legally; and
- Sell or exchange bats, or parts of bats.

[2] Collins, J. (ed) (2016) Bat Surveys for professional Ecologists: Good Practice Guidelines (3rd edn). The Bat Conservation Trust, London.

1.1.4 Certain bat species are also 'Species of Principal Importance' (SPIs) for the purpose of conserving biodiversity under Section 41 (England) of the NERC Act (2006). These species need to be taken into consideration by a public body when performing any of its functions. The bat SPIs are: greater horseshoe bat, lesser horseshoe bat, Bechstein's bat, noctule (*Nyctalus noctula*), soprano pipistrelle (*Pipistrellus pygmaus*), brown long-eared bat (*Plecotus auritus*) and barbastelle.

2 METHODOLOGY

2.1 OVERVIEW

2.1.1 The surveys were undertaken with reference to current best practice guidance[2], and relevant sections of the Design Manual for Roads and Bridges DMRB[3,4]. A bespoke approach was required for some aspects of the methodology where improvements and efficiencies could be made due to site specific circumstances. Consultation was undertaken with Natural England whereby the proposed survey methodologies were agreed including the bespoke approaches[5], [6], [7].

2.2 DESK STUDY

2.2.1 As part of the Phase 1 Verification Report a desk study was undertaken to collate all known records of bats within 10 km of the existing A30 over the past ten years, in accordance with current best practice[2]. Data was also collected from previous survey work for the Carland Cross Wind Farm located immediately adjacent to the proposed Scheme.

2.2.2 Data was collected to identify any non-statutory sites designated for bats within 2 km of the existing A30 between Chiverton and Carland Cross and extended to 10 km for statutory designated sites. This search radius was extended to 30 km for Special Areas of Conservation (SAC) where bats are the qualifying interest in accordance with the DMRB[8] and based on the proposed Scheme's potential Zone of Influence (ZoI) on bats[9].

2.2.3 The following sources were consulted to obtain desk study data:

- Multi-Agency Geographic Information for the Countryside (MAGIC)[10];
- Environmental Records Centre for Cornwall and the Isles of Scilly (ERCCIS) and Cornwall Bat Group (same record set):
- Arcus Renewable Energy (2008) Carland Cross Windfarm Repowering, Environmental Statement. Prepared on behalf of Scottish Power Renewables; and,
- BSG Ecology (2015) Carland Cross Wind Farm Bat Monitoring Report 2014. Prepared on behalf of Scottish Renewables.

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[3] *Interim Advice Note 116/08 Nature conservation in relation to bats*
[4] Anon (1999) *Design Manual for Roads and Bridges, Volume 10: Environmental Design and Management, Section 4: Nature Conservation, Part 3 HA 80/99 Nature Conservation Advice in Relation to Bats.* Highways Agency.
[5] Memo from Hannah Broughton (WSP) to Stuart Wilson, Tom Clancy (HE) and Katherine Walsh (NE) dated 31 August 2016
[6] Email from Katherine Walsh (NE) to Marianne Curtis (WSP) dated 28 June 2017
[7] Email from Katherine Walsh (NE) to Marianne Curtis (WSP) dated 20 October 2017
[8] DMRB volume 11 section 4 (2009) assessment of implications (of highways and/or roads projects) on European sites (including appropriate assessment) HD 44/09
[9] As defined by CIEEM (2016) 'the area over which ecological features may be subject to significant effects as a result of the proposed project and associated activities'. This takes into account that the ZoI may vary within a species group, the lifecycle/activity of the bat, and for given development activities. It also recognises that the ZoI is reviewed and refined as the project progresses
[10] http://www.natureonthemap.naturalengland.org.uk/:- Accessed 2016

2.2.4 The bat records received from ERCCIS / Cornwall Bat Group (all records are from the same data set) were limited to a resolution of 1 km square. As such; it was not possible to determine accurate distances of bat records from the proposed Scheme.

2.3 GROUND BASED TREE ASSESSMENTS

2.3.1 Each tree within the survey area was inspected using binoculars, endoscopes and a high powered torch (Clu-lite) for features with bat roosting potential and signs indicating use by bats (Table 2.3.1). The surveys were led by a Natural England licensed bat worker.

Table 2.3.1 Features of trees commonly used by bats for roosting and shelter, and field signs that may indicate use of trees by bats[11]

FEATURES OF TREES USED AS BAT ROOSTS	SIGNS INDICATING POSSIBLE USE BY BATS
Natural holes. Woodpecker holes. Cracks/splits in major limbs. Loose bark. Hollows/cavities. Bird and bat boxes.	Bat droppings in, around or below entrance. Audible squeaking at dusk or in warm weather. Bats being present within the features.

2.3.2 The spatial extent of the tree surveys was proportional to the roost suitability and anticipated ZoI and agreed with Natural England[5],[6],[7]. Trees which may be directly affected by the proposed Scheme, and those within a 50 m radius of the 2016 proposed Scheme options[5] were inspected for their roosting potential and categorised according to best practice guidelines[2] set out in Table 2.3.2 below.

Table 2.3.2 Potential suitability of trees as bat roosts[2]

SUITABILITY	DESCRIPTION	FURTHER SURVEYS REQUIRED?
Confirmed Roost	Known roost, where bats or evidence of bats has been recorded.	Yes:- Roost characterisation surveys, consisting of either repeated climbs*, or dusk emergence / dawn re-entry surveys.
High Suitability	A tree with one or more potential roost sites that are obviously suitable for use by larger numbers of bats on a more regular basis and potentially for longer periods of time due to their size, shelter, protection, conditions and surrounding habitat.	Yes:- Three further survey visits, consisting of either repeated climbs*, or dusk emergence / dawn re-entry surveys.
Moderate Suitability	A tree with one or more potential 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).	Yes:- Two further survey visits, consisting of either a repeated climbs*, or dusk emergence / dawn re-entry surveys.
Low Suitability	A tree of sufficient size and age to contain PRFs but with none seen from the ground or features seen with only very limited roosting potential.	No further surveys required
Negligible Suitability	Negligible features likely to be used by bats for roosting (these have not been reported or mapped as part of the ecological assessment).	No further surveys required

**Only suitable if 100 % of the tree PRFs can be surveyed during the aerial tree climbing surveys.*

[11] Andrews H *et al.* 2013. *Bat Tree Habitat Key.* AEcol, Bridgwater.

2.3.3 Due to the extensive survey area, it was considered sufficient to only map and record trees with low, moderate or high potential to support roosting bats and confirmed roosts. Trees assessed and categorised as having negligible potential were not mapped.

2.4 AERIAL TREE CLIMBING SURVEYS

2.4.1 Following the ground based tree assessments, all trees that will be directly impacted by the proposed Scheme and within a minimum of 20 m of the proposed Scheme[5] that were categorised as having moderate or high suitability to support roosting bats were then climbed and inspected in detail using a rope system, torches and endoscopes. The 20 m survey area was applied as it is considered unlikely that indirect impacts would extend further than this assuming standard construction methods will be employed to avoid disturbance impacts on roosts. Thus the ZoI associated with the construction and operational works will be realised beyond this distance[5]. Further surveys were not undertaken for trees considered to be of negligible or low suitability to support roosting bats, as per current best practice[2].

2.4.2 The aerial tree inspections were undertaken by a licensed bat worker and certified tree climber with support from a second certified tree climber on three separate occasions within April, August and September 2017. The methodology followed standard best practice[2].

2.4.3 During the aerial inspection features were searched using torches, mirrors and endoscopes for evidence of roosting bats, including:

- Live or dead bats;
- Droppings inside or beneath features;
- Oil or urine staining around or beneath features;
- Scratch marks around features;
- Smoothing around features;
- Audible squeaking from within features, particularly on warm days;
- Feeding signs within or around features e.g. moth wings; and
- Flies around feature entry points attracted by the guano.

2.4.4 Each individual PRF was recorded and suitability characterised as per Table 2.3.2. The tree as a whole was then assigned a category that was either the highest suitability value of the PRFs (for example if a tree supported a PRF considered to have high suitability, the tree as a whole would also be categorised as having high suitability) or where the cumulative suitability assessment of numerous PRFs is greater than the individual assessments.

2.4.5 As part of the aerial tree climbing surveys information was collected about each of the individual features to inform further mitigation and licensing requirements, these included:

- Size of PRF;
- Aspect of PRF;
- Internal dimensions of PRF;
- Humidity of PRF;
- Substrate of PRF; and
- Presences of other species.

2.4.6 The purpose of the aerial inspections was to inspect the features identified from the ground as having potential to support roosting bats. The aerial inspections allowed a detailed assessment of the feature and an inspection for evidence of roosting bats. If the feature was less or more suitable than it appeared from the ground the tree category was downgraded or upgraded respectively (Figure 2 Appendix A).

2.4.7 It has been agreed through the Natural England Discretionary Advice Service (DAS)[5] that where all of the potential roosting features (PRFs) within trees are considered to be exhaustively searched (100% of all of the PRFs can be surveyed), repeat aerial tree surveys could be used in lieu of dusk emergence and dawn re-entry surveys. For example, a tree that has high suitability for roosting bats, and that can be exhaustively surveyed through the aerial tree survey methodology can be climbed three times during the bat active period (April to October) in order to have at least the same confidence in the assessment as would be returned by dusk emergence and dawn re-entry surveys. Should the tree not be fully surveyed, then further emergence and re-entry surveys were undertaken (as detailed in section 2.5 below).

2.4.8 If evidence of roosting was found within a feature the roost type was characterised through a combination of repeated aerial assessments and emergence survey where required. This is based on the type of feature and whether it could be exhaustively searched. A minimum of three visits were undertaken of known roosts in order to characterise them.

2.5 EMERGENCE AND RE-ENTRY SURVEYS OF TREES

2.5.1 Following the aerial tree climbing surveys, trees that could not be exhaustively searched but were considered to have moderate or high suitability for roosting bats within a minimum of 20 m (considered ZoI) were subject to further emergence and re-entry surveys. These were as follows:-

- Trees considered to have moderate suitability PRFs which could not be exhaustively searched were subject to two further separate survey visits (consisting of a repeat aerial tree climbing inspection plus an emergence survey);
- Trees with high suitability PRFs, were subject to three further separate survey visits (consisting of two repeat aerial tree climbing inspections plus at least one emergence survey, dependent on the PRFs present and the confidence in the aerial tree climbing inspections).

2.5.2 Emergence surveys commenced 15 minutes prior to sunset and lasted a minimum of 2 hours. Re-entry surveys commenced 1 hour 45 minutes prior to sunrise and lasted up to 2 hours (a minimum of 1 hour 45 minutes). A combination of full spectrum Echo Meter 3, Echo Meter Touch, and Batlogger M were used in combination with thermal imagers (where necessary as a visual aid). Surveyors were positioned around the tree(s) to ensure that all PRF's were visible. All bats recorded to be emerging and re-entering the features were recorded, along with the flight line and timings. Additionally, notes were made on incidental bat activity recorded during the surveys.

2.5.3 Emergence and re-entry surveys were undertaken on a total of four individual trees (T56, T94, T96, T124). Details of these surveys is included within the Results and Appendix B.

2.6 EXTERNAL AND INTERNAL BUILT STRUCTURES ASSESSMENT

External Roost Survey

2.6.1 The spatial extent of the built structures surveys was proportional to the roost suitability and anticipated Zone of Influence and agreed with Natural England[5,7].

2.6.2 External daytime roost surveys were undertaken concurrently with the internal inspection surveys on all built structures within 100 m of the proposed Scheme where access was possible. The surveys were undertaken by experienced and Natural England licensed bat workers within 2017.

2.6.3 All surveys were undertaken with reference to standard best practice guidelines[2]. The daytime inspection included searching the built structures (from ground level) using high powered lights and close focusing binoculars, for the following evidence of use by bats:

- The presence of potential access and egress routes for bats and evidence of the use of such potential access points such as droppings, possible urine staining or scratching around entrances;
- Likely commuting routes and nearby habitat assessment for the potential use by bats;
- The presence of features with the potential to support roosting bats; and,
- Any other signs of use by bats including the presence of bats themselves.

2.6.4 The built structures were then categorised as per Table 2.6.1 below.

Table 2.6.1 potential suitability of built structures as bat roosts[2]

SUITABILITY	DESCRIPTION
Confirmed Roost	Known roost, where bats or evidence of bats has been recorded.
High Suitability	A structure with one or more potential roost sites that are obviously suitable for use by larger numbers of bats on a more regular basis and potentially for longer periods of time due to their size, shelter, protection, conditions and surrounding habitat.
Moderate Suitability	A structure with one or more potential 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).
Low Suitability	A structure with one or more potential roost sites that could be sued by individual bats opportunistically. However, these potential roost sites do not provide enough space shelter, protection, appropriate conditions and/or suitable surrounding habitat to be used on a regular basis or by a large number of bats (i.e. unlikely to be suitable for maternity or hibernation)
Negligible Suitability	Negligible features likely to be used by roosting bats.

Internal Roost Survey

2.6.5 Where safe access was possible and access granted by landowners, detailed internal inspections of the buildings were undertaken within 2017 of all buildings within 100 m (all external and internal surveys were undertaken during the same visit). The aim of which was to provide information to inform the draft EPS Mitigation Licences forming part of the DCO Application for Development Consent, and to identify any likely important bat roosts (e.g. maternity and Annex II species). The surveys were undertaken with reference to current best practice guidelines[2]. These surveys were undertaken prior to the confirmation of the preferred Scheme option (where access allowed). As such, some of the buildings fall outside of the 100 m survey area. However the results have been included within the report for completeness.

2.6.6 The internal surveys were undertaken by a licensed bat worker (Natural England Class 2) and an asbestos surveyor (health and safety support). The surveys involved a detailed inspection of the internal of roof voids, barn areas, and other suitable spaces using a high powered torch and close focusing binoculars (where necessary). The internal surveys included searching for the following evidence of use by bats:

- The presence of potential access and egress routes for bats;
- The presence of bats; and

→ Evidence of bat usage, such as; droppings, feeding remains, scratch marks around entrances, typical ammonia smell, sounds of bats, and urine stains.

2.6.7 All droppings that were collected from buildings within 100 m of the proposed Scheme were sent for DNA analysis.

2.6.8 The results of the internal surveys were also used to update the external surveys and inform the overall potential to support roosting bats as per Table 2.6.1.

2.7 EMERGENCE AND RE-ENTRY SURVEYS OF BUILT STRUCTURES

Following the initial external and internal bat surveys, dusk emergence and dawn re-entry surveys were undertaken of structures within the survey area (as detailed within Table 2.7.1). All surveys were undertaken with reference to current best practice[2]. Dates and weather conditions are provided within the raw data (Appendix B). The results of the surveys are summarised as tables within the Results section, with full details provided within Appendix B.

2.7.1 Emergence surveys commenced 15 minutes prior to sunset and lasted a minimum of 2 hours. Re-entry surveys commenced 1 hour 45 minutes prior to sunrise and lasted up to 2 hours (minimum of 1 hour 45 minutes). A combination of full spectrum Echo Meter Touch, Batlogger M, and Echo Meter 3 were used in combination with thermal imagers (to complement the survey as a visual aid). Surveyors were positioned around the structure, to ensure that all PRF's were visible. All bats recorded to be emerging and re-entering the structures were recorded, along with timings. Additionally, notes were made on incidental bat activity recorded during the surveys.

2.7.2 The number of survey visits undertaken was informed by the external and internal survey results (suitability), and from the anticipated ZoI associated with the proposed Scheme (Table 2.7.1). It should be noted that the proposed Scheme was finalised within June 2017. As such, certain buildings that were originally included within the survey area, were subsequently scoped out. All of the results have been presented within the report for completeness.

Table 2.7.1: Number of surveys dependent on bat roosting potential and distance from proposed Scheme

BAT ROOSTING POTENTIAL / DISTANCE FROM PROPOSED SCHEME	NUMBER OF SURVEY VISITS	NOTES
Known Roosts within 50-100 m from the proposed Scheme	Up to three separate emergence / re-entry surveys	Following consultation with NE DAS it was agreed that once a roost (at least 50 m from the proposed Scheme) was considered to be characterised (i.e. the species present was confirmed alongside how the bats were using the feature), no further surveys would be required[7]. A minimum of one emergence / re-entry survey was undertaken on such buildings between June and August.
Known Roosts less than 50 m from the proposed Scheme	Up to three separate emergence / re-entry surveys	Where it was not possible to undertake three surveys, it is specified within the limitations and detailed results (Appendix B).
High potential buildings within 100 m of the proposed Scheme	Up to three separate emergence / re-entry surveys	Where it was not possible to undertake three surveys, it is specified within the limitations and detailed results (Appendix B).

BAT ROOSTING POTENTIAL / DISTANCE FROM PROPOSED SCHEME	NUMBER OF SURVEY VISITS	NOTES
Moderate potential buildings within 20 m of the proposed Scheme[5]	Up to two separate emergence / re-entry surveys	Unless the combination of the internal / external and initial emergence / re-entry surveys resulted in the subsequent downgrading of the feature. Where this occurs, it is specified within the detailed results (Appendix B).
Low potential buildings within the proposed Scheme boundary	A single emergence or re-entry survey	

2.8 HIBERNATION SCOPING SURVEYS

2.8.1 Potential hibernation features that have potential to provide hibernation sites for larger numbers of bats were identified using Ordinance Survey (OS) maps. These features were considered to be possible underground cave or mine features identified within 100m of the proposed Scheme. No specific hibernation surveys were undertaken on any of the buildings during the winter of 2016 as none of them had potential to support more than individual overwintering bats.

2.8.2 The two potential hibernation features within 100 m of the scheme (disused mine shafts) were ground truthed during the daytime and assessed for their potential to support hibernating bats (Figure 3, Appendix A).

2.9 SOUND ANALYSIS

2.9.1 WAC recordings from Echo Meter 3s and Echo Meter Touch used for the dusk emergence and dawn re-entry surveys were converted into ZCA and WAV format using Kaleidoscope 3.1.8 Software. During the conversion a filter was applied to filter out noise files. The settings used during the filter process are detailed in Table 2.9.1

Table 2.9.1 Conversion and filter parameters

SIGNAL OF INTEREST	
Kilohertz	5 – 150
Milliseconds	2 – 500
Minimum number of calls	2

2.9.2 All files that the software does not consider to be bat passes are saved as 'noise' files, which are filtered into a separate folder. All noise files filtered out during the conversion process were saved but not included within the subsequent data counts. The noise files were only interrogated in instances where surveyors had recorded bats, but no sound files had been created, or where long-eared bats had been recorded.

2.9.3 The converted files were analysed using AnalookW v0.4.1.2 Anabat data analysis software. Where the recordings were unclear the corresponding WAV file was analysed using Batsound v 4.2.1[12].

2.9.4 WAV recordings from the Batlogger Ms were analysed using bat explorer (Version1.11.4.0)[13]

[12] Pettersson Eletronik AB, Uppsala, Sweden, 2002.
[13] http://www.batlogger.com/en/real-time-systems/software.html: Accessed 19/09/2017

2.9.5 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[14]. For *Pipistrellus* species the following criteria based on measurements of peak frequency are used to classify calls (alongside other call parameters typical of this genus):

- Common pipistrelle (*Pipistrellus pipistrellus*) ≥ 42 and <49KHz;
- P50 (common /soprano) ≥ 49 and <51KHz;
- Soprano pipistrelle ≥ 51KHz;
- P40 (soprano / Nathusius) ≥ 39 and <42KHz;
- Nathusius pipistrelle (*Pipistrellus nathusii*) <39KHz.

2.9.6 In addition, the following categories were used for calls which cannot be identified with confidence due to the overlap in call characteristics between species or species groups:

- *Nnoc/Nlei* (either Leisler's bat (*Nyctalus leisleri*) or noctule);
- NSL (noctule, Leisler's bat, or Serotine);
- *Esero/Nlei* (Serotine (*Eptesicus serotinus*) or Leisler's bat); and
- *Plecotus* sp.

2.9.7 Following the initial analysis, all recordings of Annex II species (of the Habitats Directive) and unknown calls were checked by a second experienced ecologist. Approximately 10% of all bat calls (excluding common pipistrelle and soprano pipistrelle species) underwent a further check as part of the quality assurance process.

2.10 LIMITATIONS

Desk Study

2.10.1 It should be noted that an absence of desk study records for particular species does not necessarily convey an absence of such species in that area, but is often a facet of under-recording. Because the desk study is designed to give an overview of the species already recorded in the local area, it is not considered to be a significant constraint.

2.10.2 Due to confidentiality reasons the resolution of the ecological records relating to bats was limited to a resolution of 1 km. As such, an accurate locate of roosting sites within proximity of the scheme from the desk study is not possible.

2.10.3 The desk study data was obtained within 2015. However, it is considered suitable for the purposes of this report, as it identifies the species present within the surrounding area that may be affected by the proposed scheme.

Ground based tree assessments

2.10.4 It was not possible to fully assess all trees from every angle. Where this has occurred a precautionary approach has been adopted with the trees being categorised as moderate or high potential to ensure further detailed inspections were undertaken.

[14] Russ, J. (2013). British Bat Calls: A Guide to Species Identification. Pelagic Publishing

Aerial Tree Climbing Surveys

2.10.5 A total of four trees could not be exhaustively searched during the aerial tree climbing surveys. Where trees were not considered to be exhaustively surveyed, further tree emergence and re-entry surveys were undertaken. As such it is not considered to limit the results but is part of the designed and agreed methodology.

External and Internal Bat Roost Surveys

2.10.6 Access was not possible for all surveys, due to landowner permissions and and or for health and safety reasons (e.g. asbestos, fragile ceilings). Where this occurred it is stated within the Building summaries and within Figure 3, Appendix A and within the raw data specifically the building results (Appendix B). All of the buildings directly impacted by the proposed Scheme were fully surveyed. It was not possible to access underneath Bridge 2 due to health and safety restrictions. However, suitable vantage points were used and the final assessment was considered valid.

2.10.7 It was not possible to access all areas of all roof voids during the internal surveys due to health and safety restrictions and landowner requests. Where this has occurred it has been stated within the results and a precautionary approach to assessing potential used and reflected in the emergence and re-entry survey (where applicable).

2.10.8 During data transfer some photographs of buildings were lost, this is not considered to limit the validity of the results as all buildings were assessed for their suitability to support roosting bats. Where this has occurred, it is stated within the results (Appendix B).

2.10.9 The survey area was informed by the anticipated ZoI of the proposed Scheme. The survey area has not been extended to include the construction compounds and mitigation areas that have been subsequently added to the Scheme. This is not considered to limit the results, as it is assumed that construction methods will be adopted to avoid direct or indirect impacts to trees and built structures that may be suitable to support roosting bats.

Emergence and Re-entry Surveys

2.10.10 It was not possible to undertake a full suite of surveys on all buildings within the survey area, as access was not given, or there was no response from the land owners. Where this has occurred it is detailed within Table 2.10.1 and the raw data (Appendix B). All buildings and trees to be directly impacted by the proposed Scheme were fully surveyed. As such, the surveys undertaken provide robust data within the area of highest impact.

2.10.11 A single emergence survey undertaken at Building 12 on 20th July 2017 was finished approximately 45 minutes early due to rainfall. Due to access restrictions it was not possible to undertake any further surveys. The combination of internal and emergence surveys have identified the presence of brown long-eared bat roosting within the roof void. The evidence suggests the roost is of low conservation significance and used by low numbers of bats. The building now falls >100 m from the proposed Scheme. As such, it has been scoped out.

2.10.12 Due to the incorporation of an ecological mitigation site to the south of Nancarrow Farm, Building 40, a confirmed common pipistrelle maternity roost is currently located within 50 m of the proposed Scheme. A single emergence survey was undertaken on 25 July 2016, following which the building was scoped out of further surveys due to distance. The building is however, considered to be suitably characterised to inform control measures during the construction of the mitigation area, which is likely to involve limited ground works, unlikely to surpass current disturbance levels associated with a working farm and wedding venue.

Table 2.10.1 Access Limitations of the Emergence / re-entry Surveys

BUILDINGS	LIMITATION	SUITABILITY	DISTANCE FROM PROPOSED SCHEME	NOTES
32	No access – No response from landowner	Moderate	<20 m	The building is located on the opposite side of the existing A30.
59	No access for final survey. No response from landowner	High	~50 m	The building is located on the opposite side of the existing A30.
67	No access – Access denied	NA	<100m	The building is located on the opposite side of the existing A30. Building is located > 75 m from the proposed Scheme.
68	No access – Access denied	NA	~100m	The building is located on the opposite side of the existing A30.No limitation at the edge of the survey area
69	No access – Access denied	NA	>100m	The building is located on the opposite side of the existing A30.No limitation outside of survey area

Hibernation scoping surveys

2.10.13 These were undertaken of features identified on Ordnance Survey maps, such as disused mine shafts. Hibernation sites within buildings suitable to support individual / low numbers of overwintering bats have not been surveyed. As the aim of the survey was to identify any important hibernation sites that are used by larger number of bats, this is not considered to limit the results.

2.10.14 It should be noted that any feature that is considered to be suitable for bats can be used at any time of year. As such, PRF's cannot be scoped out from being used by bats in the winter.

Sound Analysis

2.10.15 Species identification by sonogram is limited (to a certain extent) by similarities in call structure. In addition all bats can modulate their calls according to the habitats they are navigating, their behaviour and the information they require at the time. This imposes limitations on reliable analysis particularly between species of the same genus in the genera's *Plecotus*, *Myotis* and *Nyctalus*.

2.10.16 Due to the geographical location and habitat structure within the survey area every *Plecotus* bat recorded was assumed to be a brown long-eared bat, and unidentified *Myotis* species were assumed to be either Daubenton's bat (*Myotis daubentonii*), whiskered bat (*Myotis mystacinus*), Brandt's bat (*Myotis brandtii*), or Natterer's bat (*Myotis nattereri*).

2.10.17 It should be noted that bat surveys undertaken using bat detectors are inherently biased as bats with louder calls (such as the *Nyctalus* and pipistrelle species) can be recorded at a greater distance and with greater confidence than species which use quiet calls such as *Plecotus* species. This affects the results of all surveys undertaken as it may under represent the quieter calling species such as *Plecotus* and certain Myotis species..

3 RESULTS

3.1 SUMMARY

3.1.1 Results of the roost surveys carried out over the 2016 to 2017 survey period are summarised below. The survey area supports numerous trees and built structures that may be suitable to support roosting bats. The proposed Scheme is located within 6 km of one of the UK's largest greater horseshoe bat maternity roosts (Table 3.2.1). The surveys concentrated on the features that were assumed to be directly impacted by the proposed Scheme and where features were considered to support potentially important roosts (such as maternity roosts), as this data is likely to be of greatest value to the EcIA. Where roosts were considered to be fully characterised, surveys ceased (as detailed within the methodology section)[7].

3.1.2 Bats were confirmed to be roosting within 37 of the built structures surveyed, of which 25 were located within 100 m from the proposed Scheme. Species recorded roosting within the buildings were common pipistrelle, brown long-eared bat, *Myotis* species, and lesser horseshoe bat. A total of seven maternity roosts were recorded within the 100 m survey area. The species were common pipistrelle, brown long-eared and *Myotis* species. No Annex II maternity roosts were recorded during the surveys.

3.1.3 A total of six tree roosts were identified during the ground-based tree assessments and aerial tree climbing surveys. The surveys recorded individual bats of the following species: *Myotis* species, Natterer's bat, brown long-eared bat, and unidentified species (it was not possible to collect the dropping from the PRF to confirm species through DNA analysis). No tree maternity roosts were recorded during the 2016-2017 surveys.

3.1.4 The proposed Scheme is going to directly impact two known day / transitional / occasional roosts considered to support common to locally common and widespread species[15] and a night roost of an Annex II species as follows:

- **Building 35**: A multi-species roost which is used as a lesser horseshoe bat and brown long-eared bat, *Myotis* (likely Natterer's bat) night roost, and a well-used day, transitional and occasional common pipistrelle and brown long-eared bat roost. It should be noted that all day roosts have been identified as transitional and occasional roosts, as it is considered likely that bats could use them throughout the year. The building is likely to be a well-used feature as bats were recorded during the surveys (and incidentally) using the feature in a variety of circumstances (night roost, foraging within, and day roost) throughout the survey period. It is likely that the brown long-eared bats and LHS are also using the buildings as a feeding roost
- **Tree 99**: Semi-mature sycamore tree (*Acer pseudoplatanus).* A single *Myotis* bat was recorded using the feature on the survey undertaken on the 25 April 2017. No bats were recorded during any subsequent visits.

3.2 DESK STUDY

3.2.1 No SACs were identified within 30 km of the proposed Scheme where bats are the qualifying interest. A single National Nature Reserve and 22 Sites of Special Scientific Interest (SSSI) were identified within the 10 km search area, of which only Trehane Barton SSSI, located approximately 6 km South-east of the current A30, is designated in part for the bats it supports (Table 3.2.1, Figure 1, Appendix A).

[15] The Bat Conservation Trust (2014), The State of the UK's bats. *National Bat Monitoring Programme Population Trends.* The Bat Conservation Trust

Table 3.2.1 Details of statutory designated sites located within 10 km of the current A30 between Chiverton Cross and Carland Cross designated due to the bat species supported

SITE NAME	STATUS	NATIONAL GRID REFERENCE	REASONS FOR DESIGNATION	DISTANCE FROM THE CURRENT A30
Trehane Barton	SSSI	SW 866482	The barns at Trehane Barton support the largest known breeding colony of greater horseshoe bats in Cornwall. It is one of only eleven such main breeding roosts of this rare and endangered species in Britain.	6 Km

3.2.2 There are a total of 15 non-statutory County Wildlife Sites (CWS) within 2 km of the current A30 between Chiverton and Carland Cross and four Cornwall Roadside Verge Inventory (CRVI) sites located along the A30. Bats have been cited in the reason for designation within four of the CWS's (Table 3.2.2).

Table 3.2.2 Details of non-statutory designated sites located within 2 km of the current A30 between Chiverton and Carland Cross where bats are included within the citation

SITE NAME	STATUS	REASONS FOR DESIGNATION	DISTANCE FROM THE CURRENT A30
Carland Moor	CWS	The site runs along two valleys and the majority of this moor is within the Carrick Heaths SSSI. It is comprised largely of willow/gorse scrub and marshy grassland with small areas of purple moor grass (*Molinia caerulea*). Mixed broadleaf woodland is also present. The site supports priority habitat wet woodland and priority species lesser horseshoe bat, brown long eared bat, and otter (*Lutra lutra*).	~200 m South-east
Allet Bog	CWS	The site lies adjacent to parts of the Carrick Heath SSSI at the head of a valley near to the River Allen. Wet willow woodland dominates in the valley bottom, two areas of rough rush-dominated pasture are present which remain waterlogged for much of the year. Some remnant heath is present supporting Dorset heath. Priority habitats are wet woodland, purple moor grass and rush pastures, and hedgerows. Priority species include a number of birds, common toad (*Bufo bufo*) and common lizard (*Zootoca vivipara*), a number of bats including lesser horseshoes and noctule, and otter.	~600 m South
Polvenna Wood	CWS	The site sits on either side of part of the Carrick Heath SSSI. The larger section is dominated by wet willow woodland supporting rich epiphytic growth and particularly rich ground flora. The smaller section includes wet woodland and open marshy areas with a man-made pond. Priority habitat is wet woodland and priority species include greater horseshoe bat and lesser horseshoe bat.	~350 m North
Benny Mill Valley	CWS	The site contains a range of undisturbed habitats along a 4 km stretch of stream. The site is made up of grey willow dominated wet woodland and herb rich meadow. Drier broadleaved woodland occurs in the northern part of the site containing species such as Cornish elm (*Ulmus stricta*) and oak. The priority habitat is wet woodland and the site supports a number of notable species such as willow warbler (*Phylloscopus trochilus*) whiskered bat (*Myotis mystacinus*) and badger.	~300 m North

Bat records

3.2.3 As part of the Phase 1 Verification Report, a desk study was undertaken to collate all records of bats within 10 km of the current A30 over the past ten years in accordance with current best practice[216]. The desk study identified a total of 711 records of bats, recorded between 2007 and 2015, of which 124 were roosts. Species recorded roosting were, greater horseshoe bat, lesser horseshoe bat, Natterer's bat, brown long-eared bat, and common pipistrelle. Species identified during the desk study were:

- Barbastelle
- Brown long-eared bat
- Common pipistrelle
- Daubenton's bat
- Greater horseshoe bat
- Lesser horseshoe bat
- Natter's bat
- Whiskered bat
- Noctule
- Serotine
- Soprano pipistrelle
- Whiskered bat

3.2.4 The Phase 1 Verification Report identified that previous bat surveys undertaken to inform previous iterations of the proposed Scheme had identified the presence of common pipistrelle bat roosts at two locations near Trevalso and Nancarrow Farm. Additionally, a known hibernation roost was surveyed at Little Tresawsen[1]. Species and numbers identified during the hibernation survey were unknown at the time this report was written. Little Tresawsen was located >100 m from proposed Scheme and, as such, it has been scoped out.

3.2.5 The bat records received from the local records centre and Cornwall Bat group were limited to a resolution of 1 km square. As such, it is not possible to determine accurate distance from the current A30. The full list of bat records is presented within the Appendix B.

3.2.6 A review of MAGIC[17] identified a total of 42 Granted Natural England EPS Licences relating to bats. Of these, three are located within 2 km of the current A30. The closest was located at Nancarrow Farm complex (EPSM2012-5115), located at Marazanvose (NGR SW 80163 50232). The licence covers the destruction of a known breeding site and resting place. Species covered by the licence were: lesser and greater horseshoe bats; common pipistrelle; soprano pipistrelle; Daubenton's bats; brown long-eared bats; and Natterer's bat (Appendix B).

3.2.7 The post construction bat monitoring surveys undertaken for the Carland Cross Wind farm in order to discharge Planning Conditions[18] identified the presence of a minimum of ten bat species and species groups using the habitat associated with the Wind Farm. The species recorded

[16] Anon (1999) *Design Manual for Roads and Bridges, Volume 10: Environmental Design and Management, Section 4: Nature Conservation, Part 3 HA 80/99 Nature Conservation Advice in Relation to Bats.* Highways Agency.
[17] http://www.magic.gov.uk/MagicMap.aspx: Accessed 14/02/2017
[18] BSG Ecology (2015) Carland Cross Wind Farm Bat Monitoring Report 2014. On behalf of Scottish Renewables.

were: noctule; Leisler's bat; serotine; common pipistrelle; soprano pipistrelle; Nathusius pipistrelle; lesser horseshoe bat; greater horseshoe bat; long-eared bat species; and *Myotis* species. No roosts were recorded during the surveys.

3.3 SUMMARY OF TREE ROOST SURVEYS

3.3.1 Six tree roosts were confirmed during the ground based tree assessments and the aerial tree climbing surveys. Species recorded were *Myotis* species, Natterer's bat, and a brown long-eared bat. The tree roosts were all recorded within April 2017 (Appendix B) and consisted of individual bats only. The trees are likely to be transitional roosts of individual bats of common –locally common species. The surveys did not identify the presence of any Annex II species tree roosts.

3.3.2 The proposed Scheme is going to directly impact a total of 45 trees of which, only one was confirmed to be a *Myotis* roost, seven high potential trees, 14 moderate potential trees, 22 low potential trees, and a single negligible potential tree. The results are presented below with the raw data presented within Figure 2, Appendix A, and Appendix B). It should be noted that due to the ephemeral nature of tree roosts, the data is only considered valid for a single season, update surveys should be undertaken prior to the construction works in order to inform the requirement for an EPS Mitigation Licence.

Table 3.3.1: Summary of the number of trees with potential to support bats and their geographical orientation to the proposed Scheme (following completion of surveys).

	DIRECTLY IMPACTED	<20 M	20-50 M	>50 M (I.E. OUTSIDE SURVEY AREA ONCE SCHEME CONFIRMED)	
Confirmed Roost		T25 T36 T99 T143	T27 T94		
High Suitability	T56 T147 T146 T150 T148 T47 T48	T35 T26 T97 T103 T137 T138 T141 T142	T38 T124 T76 T98 T92	T75 T109 T111 T154 T156 T160 T79 T84 T85 T77 T78 T87 T118 T119 T155 T71 T80 T82 T120	

	Directly Impacted	<20 m	20-50 m	>50 m (i.e. outside survey area once scheme confirmed)	
Moderate Suitability	T74 T116 T69 T66 T3 T59 T57 T133 T114 T37 T24 T22 T151 T149	T68 T33 T30 T23 T96 T101 T139 T136 T140 T144 T145 T152	T16 T122 T61 T83 T6 T11 T10 T14 T95 T105 T125	T106 T158 T159 T72 T81 T121 T86 T15 T8	
Low Suitability	T4 T41 T40 T39 T49 T50 T51 T53 T55 T58 T45 T52 T54 T70 T12 T115 T130 T131 T132 T113 T117 T44	T43 T42 T65 T1 T2 T60 T34 T31 T29 T28 T93 T100 T102 T104 T127 T135 T21 T20 T161 T19 T18 T17	T46 T5 T62 T63 T123 T64 T67 T7 T13 T134 T112 T32 T90 T89 T88 T91	T110 T107 T108 T153 T157	
Negligible Suitability*	T129	T128	T126 T73 T9		

**Downgraded following aerial tree climbing. Please note that all remaining trees with negligible suitability have not been mapped as part of this report.*

3.4 GROUND LEVEL TREE ASSESSMENTS

3.4.1 The ground based tree assessments identified a total of 161 trees considered to have potential to support roosting bats. Following the confirmation of the proposed Scheme, a total of 128 trees were considered to have potential to support roosting bats within the 50 m survey area (Table 3.4.1, Figure 2, Appendix A). Of these four were confirmed roosts. T25 contained an individual long-eared bat, T27, T36, and T143 contained individual Natterer's bats. A total of 55 trees within 20 m of the proposed Scheme were considered to have moderate or higher potential to support roosting bats ; further aerial tree climbing surveys were undertaken of these trees.

Table 3.4.1: Summary of the number of trees with potential to support bats, based on the ground level assessments, and their distance from the proposed Scheme

	DIRECTLY IMPACTED	<20 M	20-50 M	>50 M (I.E. OUTSIDE SURVEY AREA ONCE SCHEME CONFIRMED)
Confirmed Roost		T36* T25* T143*	T27*	
High Suitability	T56 T66 T116 T24 T147 T146 T150 T148	T35 T26 T99 T101 T103 T137 T138 T141 T142	T38 T73 T126 T124 T76 T125 T98	T75 T109 T111 T154 T156 T160 T79 T84 T85 T77 T78 T87 T118 T119 T155 T71 T80 T82 T120 T8

	Directly Impacted	<20 m	20-50 m	>50 m (i.e. outside survey area once scheme confirmed)
Moderate Suitability	T55 T47 T48 T74 T129 T69 T130 T3 T4 T59 T58 T57 T133 T114 T115 T37 T22 T151 T149	T68 T128 T127 T33 T30 T23 T96 T97 T135 T139 T136 T140 T144 T145 T152	T16 T122 T61 T83 T5 T6 T9 T11 T10 T14 T95 T92 T94 T105	T106 T158 T159 T72 T81 T121 T86 T15
Low Suitability	T41 T40 T39 T49 T50 T51 T53 T45 T52 T54 T70 T12 T131 T132 T113 T117 T44	T43 T42 T65 T1 T2 T60 T34 T31 T29 T28 T93 T100 T102 T104 T21 T20 T161 T19 T18 T17	T46 T62 T63 T123 T64 T67 T7 T13 T134 T112 T32 T90 T89 T88 T91	T110 T107 T108 T153 T157

**Ground based tree assessments and aerial tree climbing surveys were undertaken at the same time (as such, they have been recorded within both tables).*

3.5 AERIAL TREE CLIMBING SURVEYS

3.5.1 Following the ground-based tree assessment, aerial tree surveys were undertaken of a total of 68 trees considered to have moderate potential or higher within proximity of the 20 m survey area of the proposed Scheme. It should be noted that, following confirmation of the proposed Scheme, only 55 of the trees fell within the 20 m survey area. However, all results are presented below and within Figure 2, Appendix A for completeness. A further two bat roosts were identified during these surveys. Table 3.5.1 summarises the results of the aerial tree climbing surveys, further details can be found within Appendix B.

Table 3.5.1: Summary of the aerial tree climbing survey results

TREE NUMBER	SPECIES	SUITABILITY FOLLOWING GROUND BASED ASSESSMENTS	SUITABILITY FOLLOWING AERIAL ASSESSMENTS	NOTES
T101	Sweet chestnut (*Castanea sativa*)	High	Moderate	
T103	Sweet chestnut	High	High	
T105	Sweet chestnut	Moderate	Moderate	
T114	Oak species (*Quercus* sp.)	Moderate	Moderate	
T115	Pendunculate oak (*Quercus robur*)	Moderate	Low	
T116	Willow sp (*Salix* Sp)	High	Moderate	
T124	Beech (*Fagus sylvatica*)	High	High	PRFs could be 70% surveyed. Further emergence / re-entry surveys undertaken (see Table 3.6.1). Tree is >20 m from proposed Scheme.
T125	Ash (*Fraxinus excelsior*)	High	Moderate	
T126	Pendunculate oak	High	Negligible	
T127	Sycamore	Moderate	Low	
T128	Ash	Moderate	Negligible	
T129	Oak species	Moderate	Negligible	
T130	Oak species	Moderate	Low	
T133	Willow species	Moderate	Moderate	
T135	Beech	Moderate	Low	
T136	Beech	Moderate	Moderate	
T137	Beech	High	High	

Tree Number	Species	Suitability following ground based assessments	Suitability following Aerial assessments	Notes
T138	Beech	High	High	
T139	Beech	Moderate	Moderate	
T140	Hornbeam (*Carpinus betulus*)	Moderate	Moderate	
T141	Beech	High	High	
T142	Beech	High	High	
T143	Beech	Confirmed	Confirmed	Natterer's bat present during the April survey. PRF could be 100% surveyed on repeat visits. No bats were recorded during the subsequent visits.
T144	Beech	Moderate	Moderate	
T145	Beech	Moderate	Moderate	
T146	Beech	High	High	
T147	Ash	High	High	
T148	Ash	High	High	
T149	Ash	Moderate	Moderate	
T150	Sycamore	High	High	
T151	Sycamore	Moderate	Moderate	
T152	Sycamore	Moderate	Moderate	
T22	Beech	Moderate	Moderate	
T23	Sycamore	Moderate	Moderate	
T24	Beech	High	Moderate	
T25	Beech	Confirmed	Confirmed	Brown long-eared bat recorded during April visit. PRF could be 100% surveyed on repeat visits. No further bats were recorded during subsequent visits.
T26	Beech	High	High	
T3	Willow species	Moderate	Moderate	PRF could be 100% surveyed on the second aerial tree climbing survey, from the use of a smaller endoscope. No change to suitability.
T30	Beech	Moderate	Moderate	
T33	Beech	Moderate	Moderate	
T35	Beech	High	High	
T36	Dead	Confirmed	Confirmed	Natterer's bat present during the April survey. PRF could be 100% surveyed

Tree Number	Species	Suitability following ground based assessments	Suitability following Aerial assessments	Notes
				on repeat visits. No bats were recorded during the subsequent visits.
T37	Beech	Moderate	Moderate	
T4	Ash	Moderate	Low	
T47	Ash	Moderate	High	
T48	Sycamore	Moderate	High	
T5	Sycamore	Moderate	Low	
T55	Beech	Moderate	Low	
T56	Ash	High	High	A single PRF a knot hole with feathers within could be 70-90 % surveyed, as such, an emergence survey was undertaken in addition to three aerial tree climbing surveys. See Table 3.6.1. Only a single emergence survey was undertaken as the tree was located within 50 m of the scheme footprint, and planned to be retained within the landscaping. As such, a full suite of surveys was not required.
T57	Oak species	Moderate	Moderate	
T58	Oak species	Moderate	Low	
T59	Pendunculate oak	Moderate	Moderate	
T6	Sycamore	Moderate	Moderate	
T66	Ash	High	Low	
T68	Ash	Moderate	Moderate	
T69	Sycamore	Moderate	Moderate	
T73	Pendunculate oak	High	Negligible	
T74	Ash	Moderate	Moderate	
T76	Pine (*Pinus* sp.)	High	High	
T8	Holme Oak (*Quercur ilex*)	High	Moderate	
T9	Sycamore	Moderate	Negligible	
T92	Sycamore	Moderate	High	
T94	Holme Oak	Moderate	Confirmed	A single PRF could be 70% surveyed, as such, an emergence survey was undertaken. Several bat droppings recorded,

Tree Number	Species	Suitability following ground based assessments	Suitability following Aerial assessments	Notes
				but could not be collected. See Table 3.6.1.
T96	Oak species	Moderate	Moderate	A single PRF could be 90% surveyed, as such, an emergence survey was undertaken. See Table 3.6.1.
T97	Pendunculate oak	Moderate	High	
T98	Beech	High	High	
T99	Sycamore	High	Confirmed	*Myotis* bat recorded during the April visit. PRF could be 100% surveyed on repeat visits. No further bats were recorded during subsequent visits.

3.6 EMERGENCE AND RE-ENTRY SURVEYS OF TREES

3.6.1 Emergence surveys were undertaken of four trees during the 2017 survey period in order to supplement the aerial tree climbing surveys. No bats were recorded to be emerging or re-entering any of the trees surveyed. Table 3.6.1 details the timings and results of the 2017 surveys.

Table 3.6.1: Summary of the emergence / re-entry survey results

Tree	Potential	Survey 1	Survey 2	Survey 3	Further notes / recommendations
T56	High	Date:01/08/2017 Temp: 16 Cloud Cover: 8 Wind: 3 Rain: 0 Start Time: 20:49 End Time: 22:34 No bats recorded emerging / re-entering the tree	Not required	Not required	A single PRF could only be 70-90% surveyed during the aerial tree climbing surveys. A combination of three climbing surveys and a single emergence survey was considered suitable to confirm that the tree does not support a roost of high conservation value. The tree is outside of the proposed footprint of the road (approximately 50 m from the footprint) although it is within the DCO boundary as part of the provisional landscaping strategy. As such, the area of woodland is to be retained.
T94	Confirmed	Date:23/08/2017 Temp: 18 Cloud Cover: 8 Wind: 0 Rain: 0 Start Time: 20:05	Not required	Not required	It was only possible to survey 70% of the single PRF that was recorded on the tree. The PRF was recorded to contain dropping typical of bat (although it was not possible to collect the droppings) The combination of emergence

TREE	POTENTIAL	SURVEY 1	SURVEY 2	SURVEY 3	FURTHER NOTES / RECOMMENDATIONS
		End Time: 21:46 No bats recorded emerging / re-entering the tree.			surveys and aerial tree climbing surveys is considered suitable survey effort as tree is located ~ 20 m from the proposed Scheme boundary and was included on a precautionary basis.
T96	Moderate	Date:23/08/2017 Temp: 18 Cloud Cover: 8 Wind: 0 Rain: 0 Start Time: 20:05 End Time: 21:46 No bats recorded emerging / re-entering the tree	Not required	Not required	A single PRF could only be 90% surveyed during the aerial tree climbing surveys. All other PRFs noted could be 100% surveyed. The combination of emergence surveys and aerial tree climbing surveys is considered suitable to confirm likely absence. The tree is located within 20 m of the proposed Scheme, however not within the footprint itself, as such it is likely to be retained..
T124	High	Date:27/07/2017 Temp: 17 Cloud Cover: 8 Wind: 0 Rain: 0 Start Time: 04:10 End Time: 05:41 No bats recorded emerging / re-entering the tree	Date:01/08/2017 Temp: 16 Cloud Cover: NA Wind: 0 Rain: 0 Start Time:04:18 End Time: 05:48 No bats recorded emerging / re-entering the tree	Date:10/08/2017 Temp: 15 Cloud Cover: 2 Wind: 1 Rain: 0 Start Time:04:40 End Time: 06:00 No bats recorded emerging / re-entering the tree	Several of the PRFs could not be exhaustively searched (the PRFs could be surveyed between 10% and 100%). Three emergence surveys and three aerial tree climbing surveys have been undertaken and is considered suitable to confirm likely absence. The tree was originally within the footprint of the Scheme. Following a change in design, the tree has since been confirmed as located >20 m from the proposed Scheme.

3.7 SUMMARY OF BUILT STRUCTURES ROOST SURVEYS

3.7.1 Bats were confirmed to be roosting within 37 of the built structures surveyed as part of the proposed Scheme, of which 25 were located within 100 m of the proposed Scheme (Table 3.7.1, Figure 3, Appendix A). Species recorded roosting within the buildings were common pipistrelle, brown long-eared bat, *Myotis* species, and lesser horseshoe bats. A total of eight maternity roosts were recorded within the 100 m survey area, the species recorded within these roosts were common pipistrelle, brown long-eared, unconfirmed *Myotis* species, and Natterer's bat (Table 3.7.1). No Annex II maternity roosts were recorded during the surveys. Full details of the surveys are presented within Appendix B, including details of any survey limitations, survey dates, National Grid References and photographs.

3.7.2 The proposed Scheme will result in the direct loss of a known multi-species roost (Building 35), known to support individual numbers of common pipistrelle and brown long-eared bats that use the feature as a day, transitional or occasional roost. Lesser horseshoe, brown long-eared bat and *Myotis* species (considered to be Natterer's bat) have been recorded using the building as a night roost and to forage within. Bats have been recorded foraging within the building during all surveys. It is likely that the brown long-eared bats and LHS are also using the buildings as a

feeding roost. Other buildings to be lost as part of the proposed Scheme include the residential building at Marazanvose Caravan site (Building 27) considered to have moderate potential, and associated out houses (27B-D) considered to have negligible to low potential to support roosting bats. The remaining structures to be lost are wooden sheds associated with the shooting range to the south of Nanteague farm, and a single ex-bunker that was fully sealed at the time of survey (Table 3.7.1, Figure 2, Appendix A, Appendix B).

3.7.3 The proposed Scheme is located within 20 m of six further roosts consisting of a common pipistrelle maternity roost, and day, transitional or occasional roosts of common species (common pipistrelle and brown long-eared bat).

Table 3.7.1: Summary of the roost survey results including categorisation and distance from the proposed Scheme

	DIRECTLY IMPACTED	<20 M	20-50 M	50-100 M	>100 M*
Confirmed Roost	**Building 35** Multi-species roost:, used by individual bats. Night roost of LHS, *Myotis* species (considered to be Natterer's bat) and brown long-eared bat. Day / transitional / occasional roost common pipistrelle Bats have been recorded foraging within the building during all surveys. It is likely that the brown long-eared bats and LHS are also using the buildings as a feeding roost.	**Building 9** Day / transitional / occasional roost of common pipistrelle	**Building 37** Night roost and day / transitional / occasional roost of brown long-eared bat	**Building 1A** Day / transitional/ occasional roost of brown long-eared bat.	**Building 10** Confirmed roost of brown long-eared
		Building 36 Day / transitional / occasional roost of common pipistrelle and possible brown long-eared bat	**Building 42** Day / transitional / occasional roost of brown long-eared bat and common pipistrelle.	**Building 11A** Maternity /day / transitional / occasional roost of common pipistrelle	**Building 25** Confirmed brown long-eared roost.
		Building 44A Day / transitional/ occasional roost of brown long-eared bat and	**Building 70** Maternity roost of brown long-eared bats.	**Building 12** Day / transitional/ occasional roost of brown	**Building 45** Confirmed common pipistrelle roost.

	Directly Impacted	<20 m	20-50 m	50-100 m	>100 m*
		common pipistrelle..	Day / occasional / transitional roost of common pipistrelles.	long-eared bat.	
		Building 44G Likely day / transitional / occasional roost of common pipistrelle. (According to residents).	**Building 64** Day / transitional / occasional roost of common pipistrelle and possibly brown long-eared bat.	**Building 13** Maternity roost of common pipistrelle	**Building 47 A** Confirmed brown long-eared bat and common pipistrelle roost..
			Building 51 Maternity roost of a *Myotis* and brown long-eared species (no access was granted to the internal of the building). The *Myotis* is likely to be Natterer's bat. Day / transitional / occasional common pipistrelle roost.. .	**Building 19** Maternity roost of common pipistrelle and brown long-eared bat.	**Building 40** Common pipistrelle maternity roost
			Building 56A Day / transitional / occasional roost of common pipistrelle and brown long-eared bat.	**Building 21** Day / transitional / occasional roost of brown long-eared bat.	**Building 46A** Confirmed brown long-eared bat roost.
			Building 16 Day / transitional / occasional roost of brown long-eared bat. Maternity roost of common pipistrelle.	**Building 38** Maternity roost of common pipistrelle and brown long-eared bat. Day / transitional / occasional *Myotis* species roost.	**Building 46** Confirmed brown long-eared bat and common pipistrelle roost.
			Building 16A/B Maternity roost (possibly satellite) of up to	**Building 54** Maternity roost of common pipistrelle	**Building 74** Likely brown long-eared roost. (Droppings not

	DIRECTLY IMPACTED	<20 M	20-50 M	50-100 M	>100 M*
			16 common pipistrelles.		analysed due to distance from proposed Scheme)
				Building 57 Day / transitional / occasional roost of common pipistrelle and brown long-eared bat	**Building 55A** Confirmed common pipistrelle roost.
				Building 57A Day / transitional / occasional roost of brown long-eared bat	**Building 16 D** Confirmed brown long-eared and common pipistrelle roost.
				Building 60 Day / transitional / occasional roost of brown long-eared bat.	
				Building 53 Day / transitional / night /occasional common pipistrelle roost. Possible brown long-eared bat night roost.	
High Suitability			**Building 59**		
Moderate Suitability	**Building 27A**	**Building 15**	**Building 28**	**Building 2**	**Building 14**
		Building 32	**Building 58**	**Building 4**	**Building 72**
			Building 59	**Building 5**	
			Building 62	**Building 11B**	
			Building 56B	**Building 63**	
				Building 65	
				Building 75	
				Building 57B	
Low Suitability	**Building 27D**	**Building 6A/6B**	**Building 16C**	**Building 1B**	**Building 17**
		Building 7	**Building 29**	**Building 3A**	**Building 18**
		Building 8	**Building 30**		**Building 41**
		Building 26	**Building 52**		**Building 41A**

	Directly Impacted	<20 m	20-50 m	50-100 m	>100 m*
		Building 66			Building 41B
		Building 71			Building 47B
		Building 43			Building 49A
					Building 49B
					Building 55A
Negligible Suitability	Building 27B	Building 31	Building 22	Building 1C	
	Building 27C	Building 34	Building 23	Building 3B	
	Building 27E			Building 3C	
	Building 76A-C			Building 39	
	Building 77			Building 75B	
	Bridge 1				
	Bridge 2				

**As >100 m from the proposed Scheme, characterisation surveys were not undertaken, as such, only suitable to detail presence.*

3.8 HIBERNATION SURVEYS

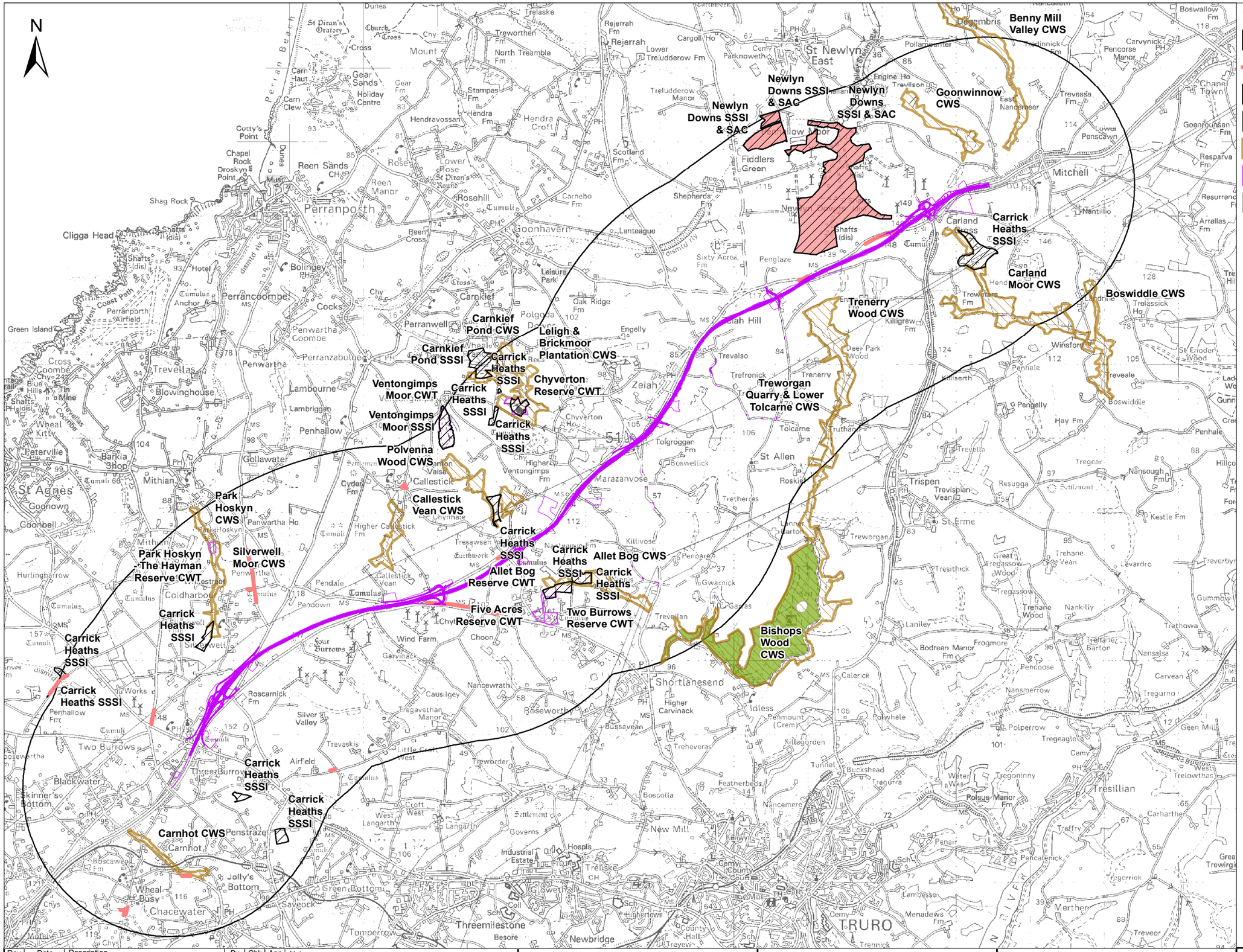
3.8.1 Two disused mine shafts were identified within 100 m of the original Scheme Options. These were located within Newlyn Downs SAC (SW 83537 53972) and to the south of Callestick (SW 77286 49112) respectively.

3.8.2 A walkover survey was undertaken on 26th July 2017. Both of the disused mine shafts were fully capped with no obvious access point. As such, no further surveys were considered necessary as they are not considered suitable to support bats.

3.8.3 No further underground sites or features suitable to support larger numbers of hibernating bats have been identified within 100 m of the proposed Scheme.

Appendix A

FIGURES



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Rev	Date	Description	By	Chk	App

Notes:

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Kings Orchard,
1 Queen Street, Bristol
BS2 0HQ
Tel: 44-(0)117-930-6200

Client: WSP

Project: A30 CHIVERTON TO CARLAND CROSS

Title: STATUTORY AND NON-STATUTORY SITES WITHIN 2km

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Designed: GH		Approved: UD	
Date: 13/10/2017	Scale:	A3	Sheet:
Project Number:		Drawing Number:	Revision:
70004582		FIGURE 1	

Project Boundary

20m and 50m Study Areas

Ground-based Tree Assessment Results Bat Roost Potential

- Confirmed Roost
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- Low Potential
- Moderate Potential

Aerial Tree Survey Bat Roost Potential

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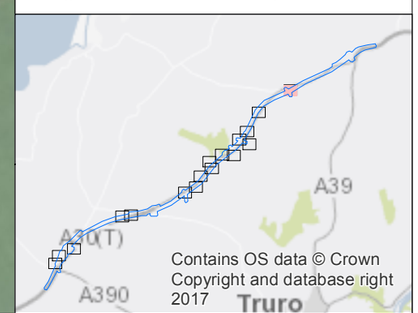
- Low
- Negligible/NA

0 15 30 60

Metres



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BS2 0HQ
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Client: WSP

Project: A30 CHIVERTON TO CARLAND CROSS

Title: TREE ROOST SURVEY RESULTS PAGE 1 OF 17

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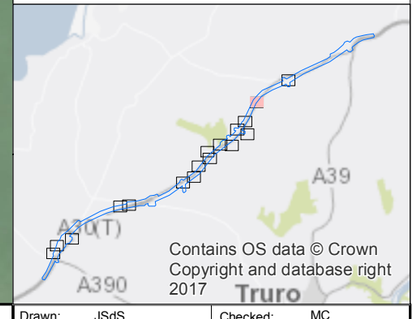

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Project: A30 CHIVERTON TO CARLAND CROSS

Title: TREE ROOST SURVEY RESULTS PAGE 2 OF 17

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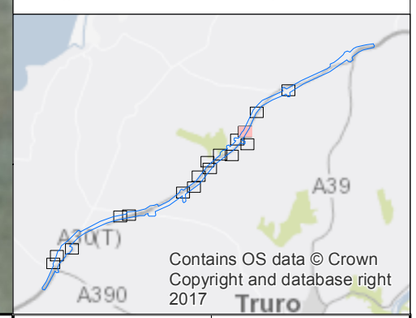

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Title: TREE ROOST SURVEY RESULTS PAGE 3 OF 17

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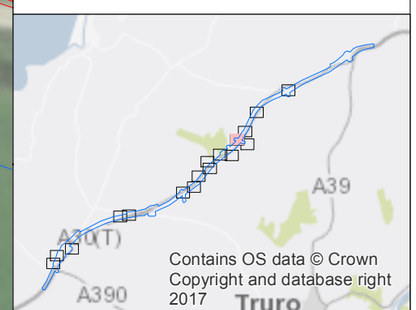

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Project: A30 CHIVERTON TO CARLAND CROSS

Title: TREE ROOST SURVEY RESULTS PAGE 4 OF 17

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Plot Date: 23/10/2017

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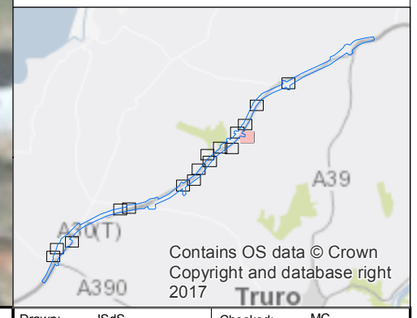

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Project: A30 CHIVERTON TO CARLAND CROSS

Title: TREE ROOST SURVEY RESULTS PAGE 5 OF 17

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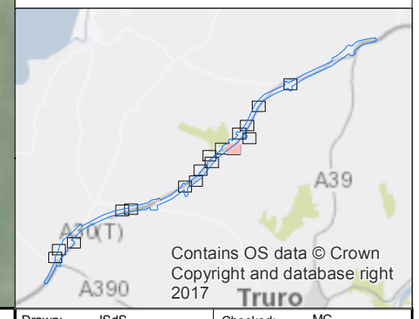

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Title: TREE ROOST SURVEY RESULTS PAGE 6 OF 17

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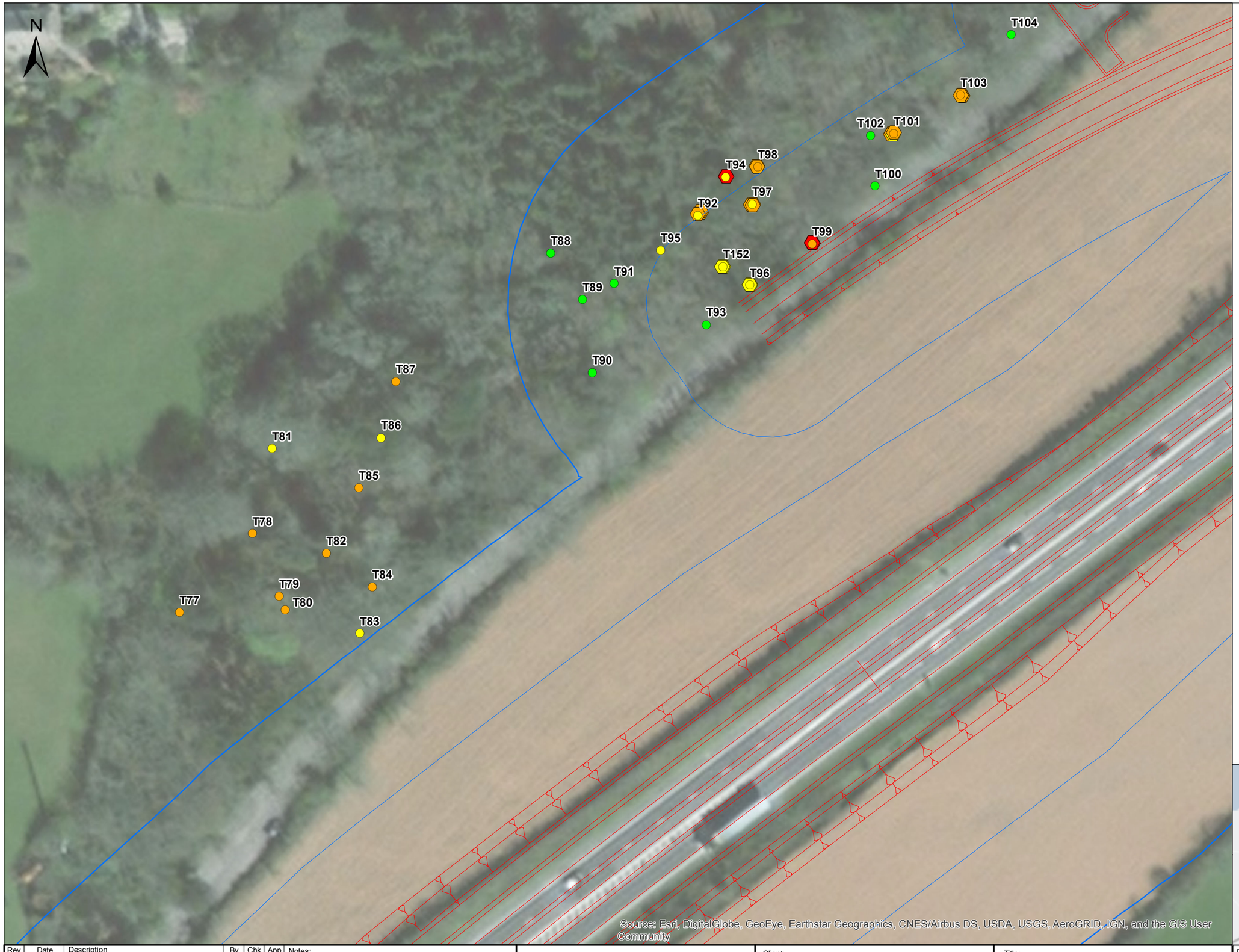

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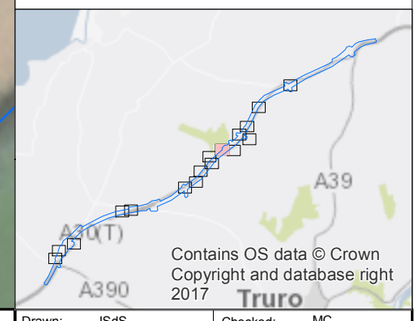

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Title: TREE ROOST SURVEY RESULTS PAGE 7 OF 17

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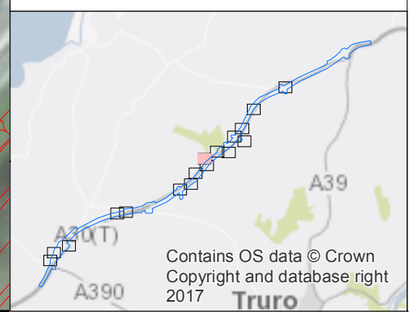

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Title: TREE ROOST SURVEY RESULTS PAGE 8 OF 17

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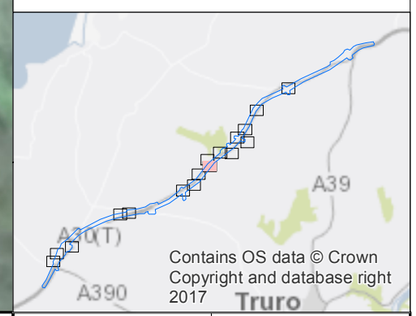

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Project: A30 CHIVERTON TO CARLAND CROSS

Title: TREE ROOST SURVEY RESULTS
PAGE 9 OF 17

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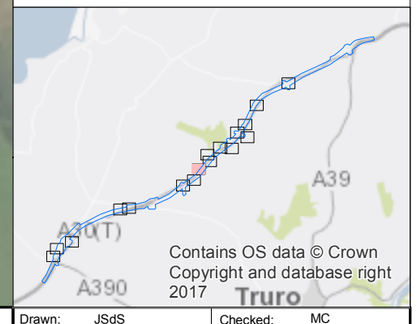

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Project: A30 CHIVERTON TO CARLAND CROSS

Title: TREE ROOST SURVEY RESULTS PAGE 10 OF 17

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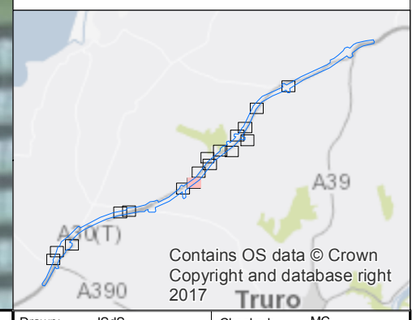

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Project: A30 CHIVERTON TO CARLAND CROSS

Title: TREE ROOST SURVEY RESULTS PAGE 11 OF 17

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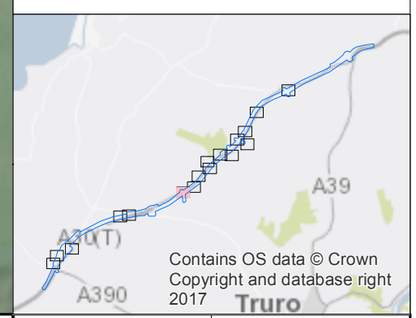

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Client: WSP

Project: A30 CHIVERTON TO CARLAND CROSS

Title: TREE ROOST SURVEY RESULTS PAGE 12 OF 17

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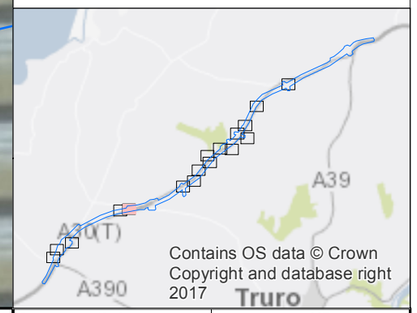

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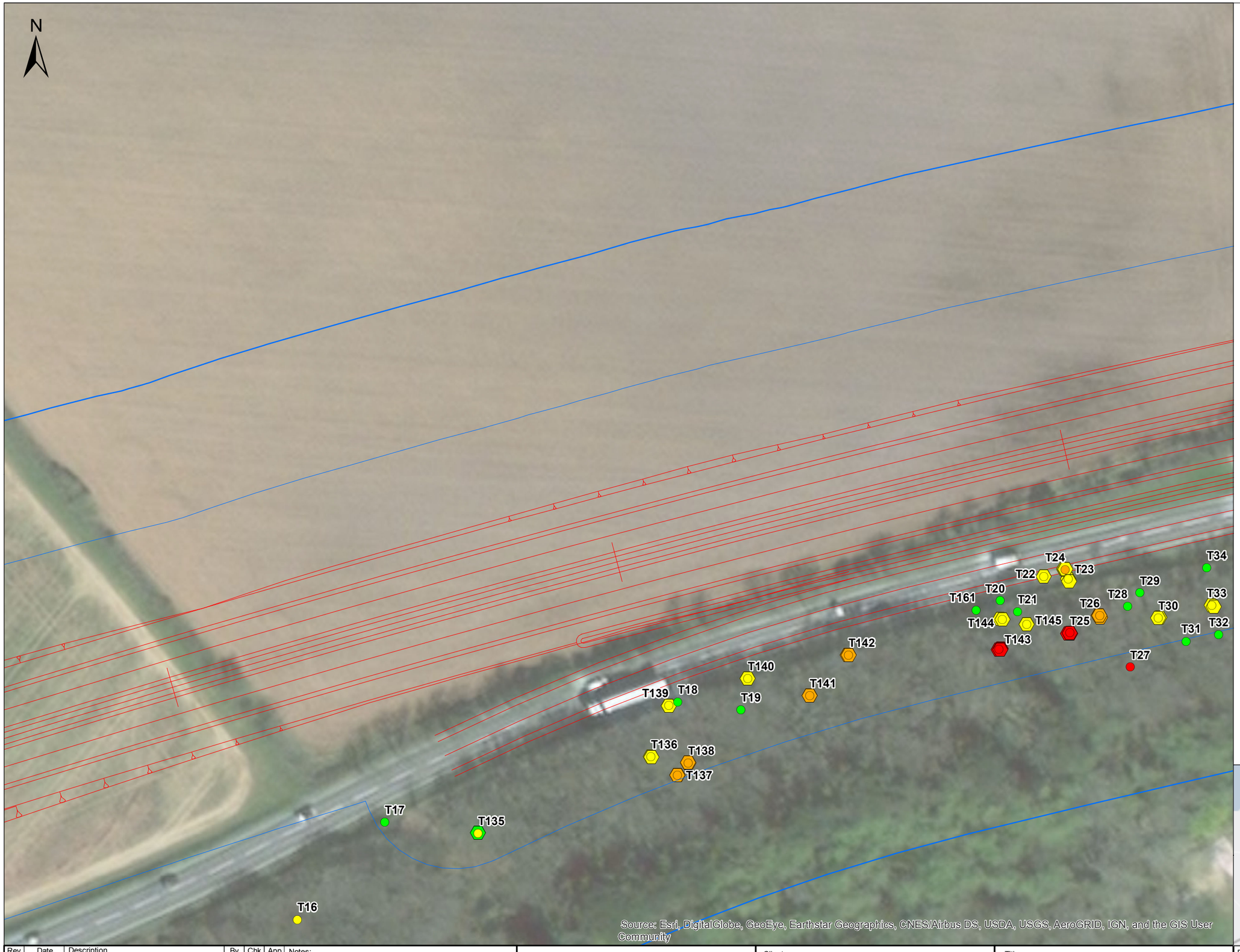


Project Boundary

20m and 50m Study Areas

Ground-based Tree Assessment Results Bat Roost Potential

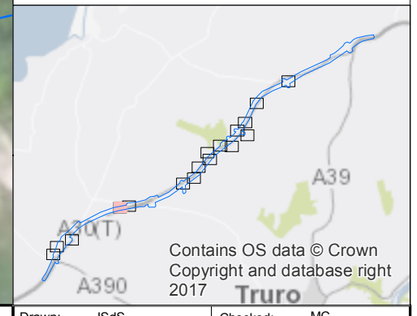
- Confirmed Roost
- High Potential
- Low Potential
- Moderate Potential

Aerial Tree Survey Bat Roost Potential

- Confirmed
- High
- Moderate
- Low
- Negligible/NA

0 15 30 60

Metres



Rev	Date	Description	By	Chk	App

Notes:

WSP | PARSONS BRINCKERHOFF
Kings Orchard,
1 Queen Street, Bristol
BS2 0HQ
Tel: 44-(0)117-930-6200

Client: WSP

Project: A30 CHIVERTON TO CARLAND CROSS

Title: TREE ROOST SURVEY RESULTS PAGE 14 OF 17

Drawn: JSdS		Checked: MC	
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Project Boundary

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- Low
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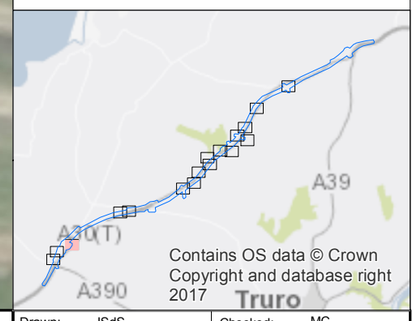
Metres



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Project: A30 CHIVERTON TO CARLAND CROSS

Title: TREE ROOST SURVEY RESULTS PAGE 15 OF 17

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Project Boundary

20m and 50m Study Areas

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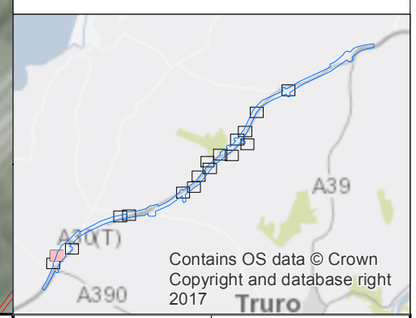
Metres



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Project: A30 CHIVERTON TO CARLAND CROSS

Title: TREE ROOST SURVEY RESULTS PAGE 16 OF 17

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Project Boundary

20m and 50m Study Areas

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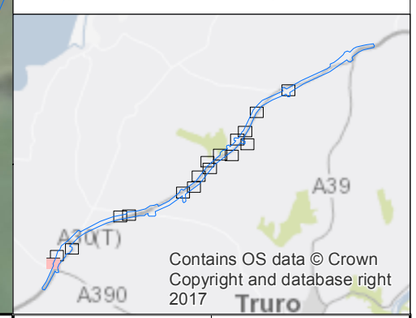
Metres



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Project: A30 CHIVERTON TO CARLAND CROSS

Title: TREE ROOST SURVEY RESULTS PAGE 17 OF 17

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Proposed Project Boundary

20m, 50m and 100m Study Areas

Bat Roost Suitablity - Buildings

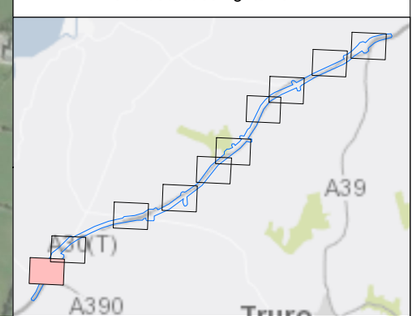
- Confirmed Roost
- High
- Moderate
- Low
- Negligible
- N/A

Bat Roost Suitability - Bridges

- Confirmed
- High
- Low
- Moderate
- Negligible

0 65 130 260

Metres



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Client: WSP

Project: A30 CHIVERTON TO CARLAND CROSS

Title: BUILT STRUCTURE ROOSTING RESULTS PAGE 1 OF 10

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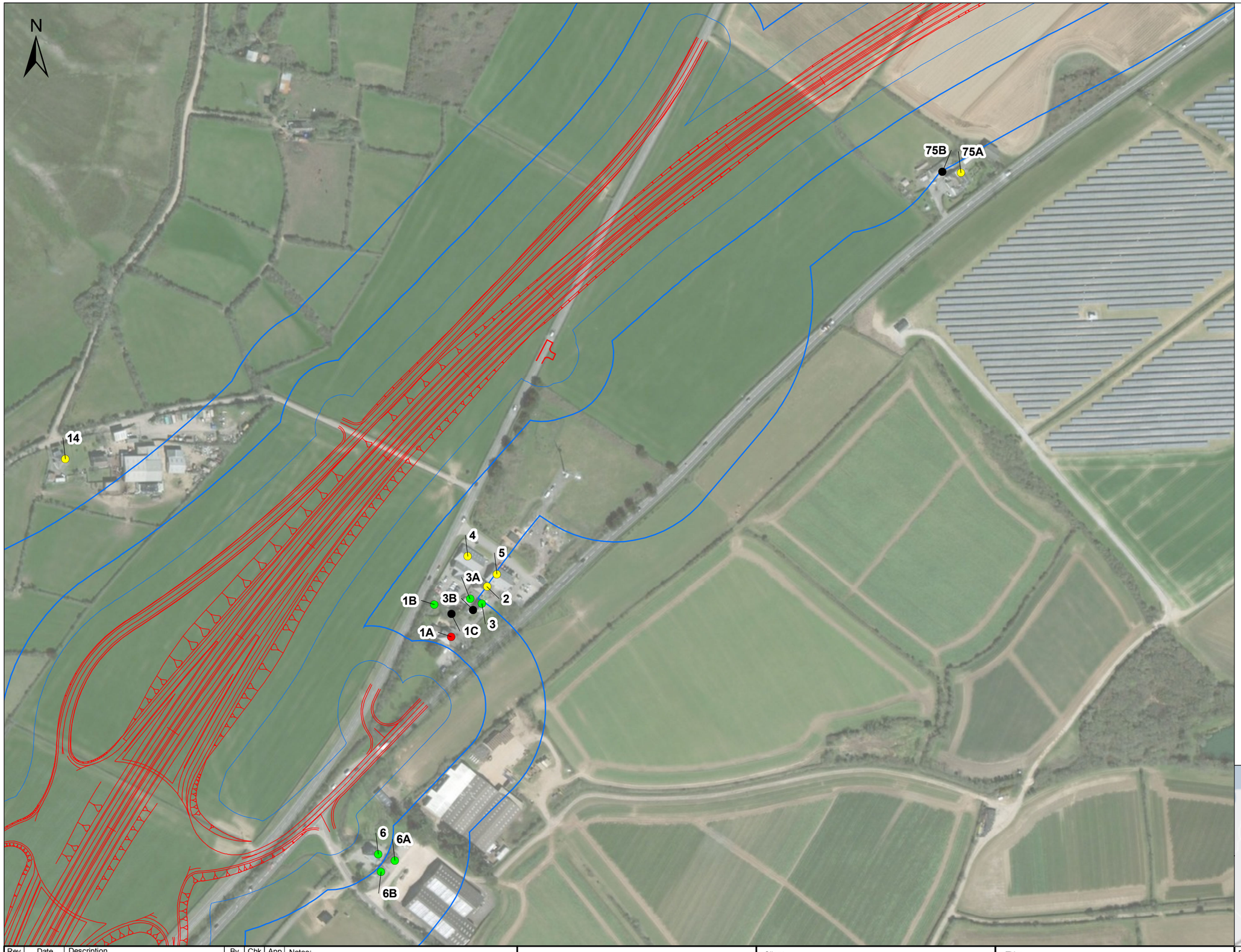

Proposed Project Boundary

20m, 50m and 100m Study Areas

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- Moderate
- Low
- Negligible
- N/A

Bat Roost Suitability - Bridges

- Confirmed
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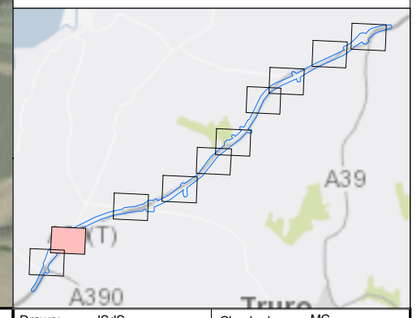
0 65 130 260

Metres



Rev	Date	Description	By	Chk	App	Notes:

WSP | PARSONS BRINCKERHOFF
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Project: A30 CHIVERTON TO CARLAND CROSS

Title: BUILT STRUCTURE ROOSTING RESULTS PAGE 2 OF 10

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Proposed Project Boundary

20m, 50m and 100m Study Areas

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- Confirmed
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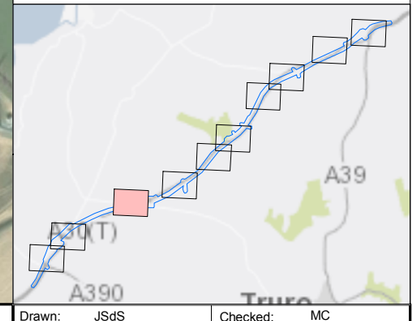
0 65 130 260

Metres



Rev	Date	Description	By	Chk	App

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Project: A30 CHIVERTON TO CARLAND CROSS

Title: BUILT STRUCTURE ROOSTING RESULTS PAGE 3 OF 10

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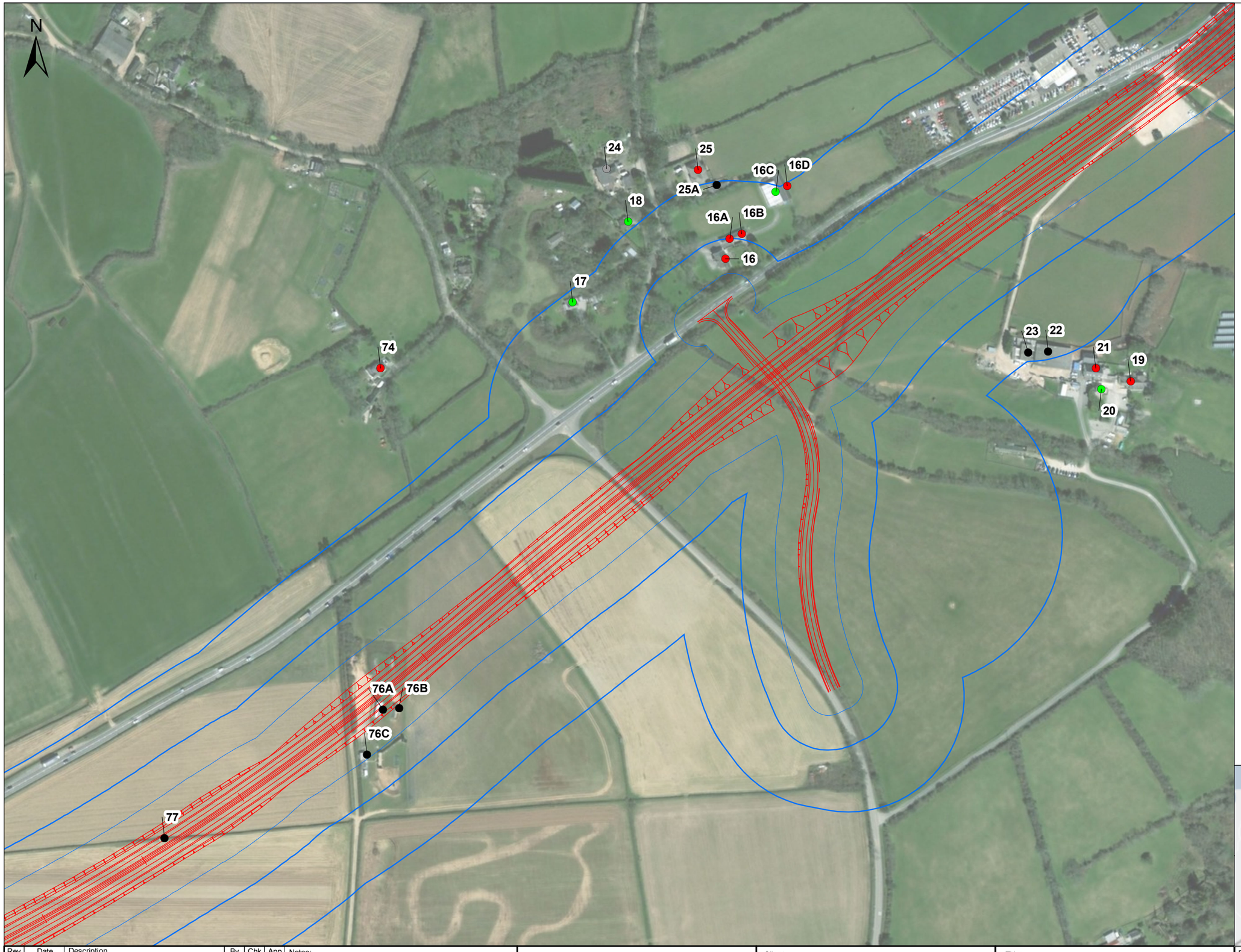

Proposed Project Boundary

20m, 50m and 100m Study Areas

Bat Roost Suitablity - Buildings

- Confirmed Roost
- High
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- N/A

Bat Roost Suitability - Bridges

- Confirmed
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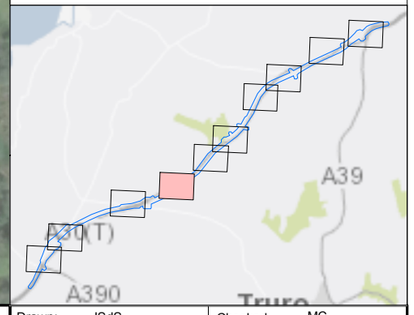
Metres



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Project: A30 CHIVERTON TO CARLAND CROSS

Title: BUILT STRUCTURE ROOSTING RESULTS PAGE 4 OF 10

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Proposed Project Boundary

20m, 50m and 100m Study Areas

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- Negligible
- N/A

Bat Roost Suitability - Bridges

- Confirmed
- High
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- Moderate
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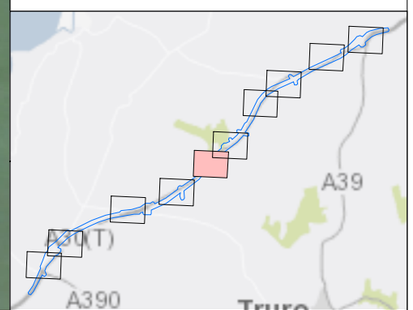
0 65 130 260

Metres



Rev	Date	Description	By	Chk	App

Notes:

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Tel: 44-(0)117-930-6200

Client: WSP

Project: A30 CHIVERTON TO CARLAND CROSS

Title: BUILT STRUCTURE ROOSTING RESULTS PAGE 5 OF 10

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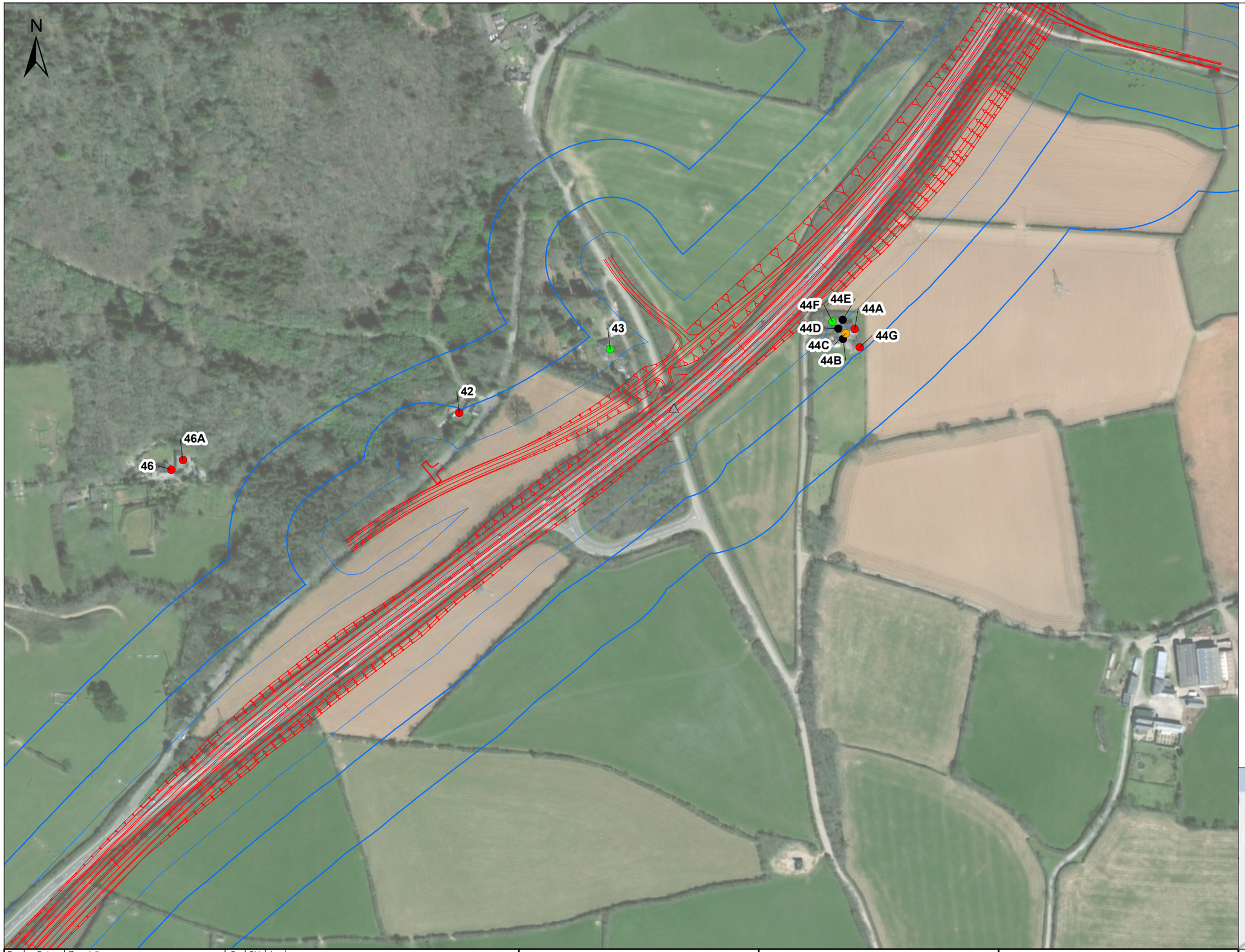

Proposed Project Boundary

20m, 50m and 100m Study Areas

Bat Roost Suitablity - Buildings

- Confirmed Roost
- High
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- Negligible
- N/A

Bat Roost Suitability - Bridges

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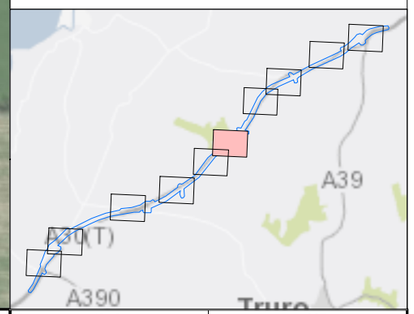
0 65 130 260

Metres



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Project: A30 CHIVERTON TO CARLAND CROSS

Title: BUILT STRUCTURE ROOSTING RESULTS PAGE 6 OF 10

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Proposed Project Boundary

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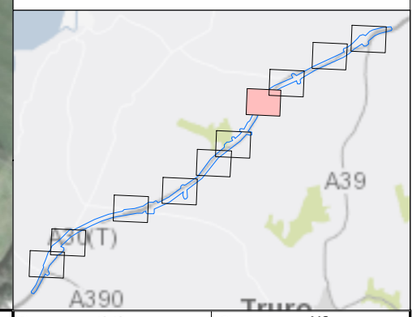
Metres



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Project: A30 CHIVERTON TO CARLAND CROSS

Title: BUILT STRUCTURE ROOSTING RESULTS PAGE 7 OF 10

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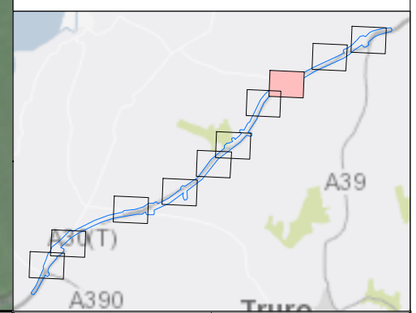
Metres



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Project: A30 CHIVERTON TO CARLAND CROSS

Title: BUILT STRUCTURE ROOSTING RESULTS PAGE 8 OF 10

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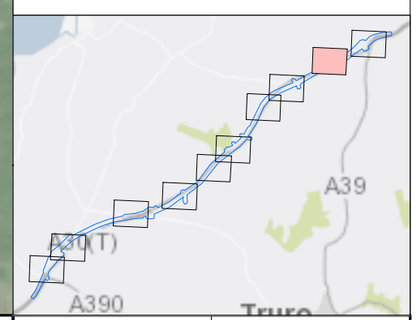
Metres



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Project: A30 CHIVERTON TO CARLAND CROSS

Title: BUILT STRUCTURE ROOSTING RESULTS PAGE 9 OF 10

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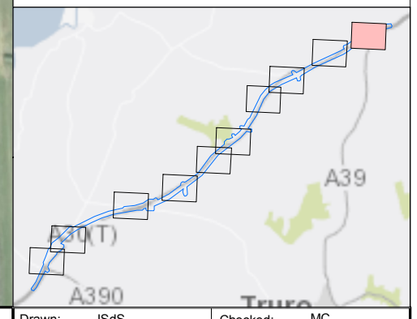
Metres



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Project: A30 CHIVERTON TO CARLAND CROSS

Title: BUILT STRUCTURE ROOSTING RESULTS PAGE 10 OF 10

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Appendix B

RAW DATA

DESK STUDY DATA: MAGIC OUTPUT OF EUROPEAN PROTECTED SPECIES LICENSES WITHIN 2 KM

Case reference of granted application	2014-1956-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	BLE,C-PIP
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	26/08/2014
Licence End Date	30/09/2019
Does licence impact on a breeding site	Y
Does licence allow damage of breeding site	N
Does licence allow damage of a resting place	Y
Does licence allow destruction of breeding site	Y
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2014-1956-EPS-MIT-1
Species group to which licence relates	Bat
Species on the licence	BLE,C-PIP
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	08/04/2015
Licence End Date	30/09/2019
Does licence impact on a breeding site	Y
Does licence allow damage of breeding site	N
Does licence allow damage of a resting place	Y
Does licence allow destruction of breeding site	Y
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2014-3850-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	BLE,C-PIP
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	04/11/2014
Licence End Date	30/09/2015
Does licence impact on a breeding site	Y
Does licence allow damage of breeding site	Y
Does licence allow damage of a resting place	Y
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	N
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2014-3861-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	BLE,C-PIP
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	25/09/2014
Licence End Date	31/10/2019
Does licence impact on a breeding site	Y
Does licence allow damage of breeding site	Y
Does licence allow damage of a resting place	Y
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2014-3317-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	BARB,BLE,C-PIP,G-HORSE,L-HORSE,NATT
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	30/09/2014
Licence End Date	10/09/2019
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	N
Does licence allow damage of a resting place	Y
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	N
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2014-3587-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	BLE
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	17/10/2014
Licence End Date	30/09/2015
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	N
Does licence allow damage of a resting place	N
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2014-3804-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	C-PIP,L-HORSE
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	26/09/2014
Licence End Date	30/09/2025
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	N
Does licence allow damage of a resting place	Y
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2014-3806-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	C-PIP,L-HORSE,NATT
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	01/10/2014
Licence End Date	30/09/2025
Does licence impact on a breeding site	Y
Does licence allow damage of breeding site	N
Does licence allow damage of a resting place	N
Does licence allow destruction of breeding site	Y
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2014-4407-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	BLE,C-PIP
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	17/12/2014
Licence End Date	31/12/2019
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	N
Does licence allow damage of a resting place	N
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2014-4162-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	BLE,C-PIP,L-HORSE
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	20/11/2014
Licence End Date	01/01/2020
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	N
Does licence allow damage of a resting place	N
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown
Case reference of granted application	2014-4911-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	BLE,C-PIP,L-HORSE
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	14/03/2014
Licence End Date	30/09/2016
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	N
Does licence allow damage of a resting place	Y
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2015-11937-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	C-PIP,L-HORSE
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	05/08/2015
Licence End Date	04/08/2020
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	N
Does licence allow damage of a resting place	N
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2015-15953-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	C-PIP,G-HORSE,L-HORSE
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	16/11/2015
Licence End Date	31/12/2022
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	N
Does licence allow damage of a resting place	N
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2015-15433-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	C-PIP,L-HORSE
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	19/10/2015
Licence End Date	31/12/2020
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	N
Does licence allow damage of a resting place	N
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2015-16185-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	C-PIP,L-HORSE
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	25/11/2015
Licence End Date	23/11/2025
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	N
Does licence allow damage of a resting place	Y
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2015-16422-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	BLE,C-PIP,DAUB,L-HORSE
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	09/02/2016
Licence End Date	28/02/2026
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	Y
Does licence allow damage of a resting place	N
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown
Case reference of granted application	2015-19309-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	NATT
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	28/01/2016
Licence End Date	27/01/2026
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	Y
Does licence allow damage of a resting place	N
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	N
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2015-19309-EPS-MIT-1
Species group to which licence relates	Bat
Species on the licence	NATT
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	09/05/2016
Licence End Date	08/05/2026
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	Y
Does licence allow damage of a resting place	N
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	N
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2015-8301-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	BLE,C-PIP,NATT
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	17/04/2015
Licence End Date	30/04/2020
Does licence impact on a breeding site	Y
Does licence allow damage of breeding site	N
Does licence allow damage of a resting place	N
Does licence allow destruction of breeding site	Y
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2015-9108-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	BLE
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	07/05/2015
Licence End Date	30/04/2020
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	N
Does licence allow damage of a resting place	N
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2015-9108-EPS-MIT-1
Species group to which licence relates	Bat
Species on the licence	BLE
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	31/05/2016
Licence End Date	30/04/2020
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	N
Does licence allow damage of a resting place	N
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2012-5115
Species group to which licence relates	Bat
Species on the licence	C-PIP;BLE;DAUB;L-HORSE;G-HORSE;NATT
Site county of licence	Cornwall
Licence Start Date	12/11/2012
Licence End Date	30/09/2015
Does licence impact on a breeding site	Y
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	Y
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2012-4392
Species group to which licence relates	Bat
Species on the licence	BLE;L-HORSE
Site county of licence	Cornwall
Licence Start Date	18/06/2012
Licence End Date	30/09/2015
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2012-5197
Species group to which licence relates	Bat
Species on the licence	C-PIP
Site county of licence	Cornwall
Licence Start Date	23/11/2012
Licence End Date	31/08/2015
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2013-6075
Species group to which licence relates	Bat
Species on the licence	C-PIP
Site county of licence	Cornwall
Licence Start Date	08/08/2013
Licence End Date	28/02/2015
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2012-4547
Species group to which licence relates	Bat
Species on the licence	C-PIP
Site county of licence	Cornwall
Licence Start Date	20/07/2012
Licence End Date	30/09/2014
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2011-3821
Species group to which licence relates	Bat
Species on the licence	C-PIP
Site county of licence	Cornwall
Licence Start Date	01/01/2012
Licence End Date	31/05/2013
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	N
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2012-4585
Species group to which licence relates	Bat
Species on the licence	C-PIP
Site county of licence	Cornwall
Licence Start Date	31/07/2012
Licence End Date	01/08/2014
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2011-3876
Species group to which licence relates	Bat
Species on the licence	BLE
Site county of licence	Cornwall
Licence Start Date	15/12/2011
Licence End Date	30/09/2013
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2012-4630
Species group to which licence relates	Bat
Species on the licence	C-PIP
Site county of licence	Cornwall
Licence Start Date	18/09/2012
Licence End Date	30/09/2014
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2012-4670
Species group to which licence relates	Bat
Species on the licence	C-PIP;BLE;DAUB
Site county of licence	Cornwall
Licence Start Date	13/03/2013
Licence End Date	30/09/2016
Does licence impact on a breeding site	Y
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	Y
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2013-5691
Species group to which licence relates	Bat
Species on the licence	NATT;C-PIP
Site county of licence	Cornwall
Licence Start Date	31/05/2013
Licence End Date	28/02/2014
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2012-4993
Species group to which licence relates	Bat
Species on the licence	C-PIP
Site county of licence	Cornwall
Licence Start Date	18/10/2012
Licence End Date	31/07/2014
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2016-25749-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	DAUB,L-HORSE
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	06/10/2016
Licence End Date	31/08/2020
Does licence impact on a breeding site	Y
Does licence allow damage of breeding site	N
Does licence allow damage of a resting place	N
Does licence allow destruction of breeding site	Y
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2009-1236
Species group to which licence relates	Bat
Species on the licence	C-PIP;BLE
Site county of licence	Cornwall
Licence Start Date	21/09/2009
Licence End Date	30/09/2010
Does licence impact on a breeding site	Y
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	Y
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2010-2380
Species group to which licence relates	Bat
Species on the licence	BLE
Site county of licence	Cornwall
Licence Start Date	16/12/2010
Licence End Date	31/10/2012
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2010-2391
Species group to which licence relates	Bat
Species on the licence	C-PIP;BLE
Site county of licence	Cornwall
Licence Start Date	25/11/2010
Licence End Date	31/10/2012
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	2016-24256-EPS-MIT
Species group to which licence relates	Bat
Species on the licence	C-PIP,S-PIP
Site county of licence	Cornwall & Isles of Scilly
Licence Start Date	19/07/2016
Licence End Date	18/07/2021
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	N
Does licence allow damage of a resting place	N
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2009-1487
Species group to which licence relates	Bat
Species on the licence	C-PIP;BLE
Site county of licence	Cornwall
Licence Start Date	24/12/2009
Licence End Date	30/09/2011
Does licence impact on a breeding site	Y
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	Y
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2009-1558
Species group to which licence relates	Bat
Species on the licence	C-PIP;BLE;NATT
Site county of licence	Cornwall
Licence Start Date	19/01/2010
Licence End Date	30/09/2010
Does licence impact on a breeding site	Y
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	Y
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown
Case reference of granted application	EPSM2013-6864
Species group to which licence relates	Bat
Species on the licence	C-PIP
Site county of licence	Cornwall
Licence Start Date	13/12/2013
Licence End Date	31/08/2015
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2013-6422
Species group to which licence relates	Bat
Species on the licence	C-PIP;BLE;NATT
Site county of licence	Cornwall
Licence Start Date	17/10/2013
Licence End Date	30/09/2016
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2013-5952
Species group to which licence relates	Bat
Species on the licence	C-PIP;BLE
Site county of licence	Cornwall
Licence Start Date	09/07/2013
Licence End Date	01/12/2016
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

Case reference of granted application	EPSM2011-3811
Species group to which licence relates	Bat
Species on the licence	C-PIP
Site county of licence	Cornwall
Licence Start Date	30/10/2012
Licence End Date	01/09/2014
Does licence impact on a breeding site	N
Does licence allow damage of breeding site	
Does licence allow damage of a resting place	
Does licence allow destruction of breeding site	N
Does licence allow destruction of a resting place	Y
Does licence impact on a hibernation site	Unknown
NERC agreement reference	Unknown

DESK STUDY DATA: BAT RECORDS WITHIN 10 KM

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Barbastella barbastellus	Barbastelle	confidential	SW8261	SW86F	confidential	2013-09-26	2013-09-26	2013	Seen
Barbastella barbastellus	Barbastelle	confidential	SW7851	SW75V	confidential	2012-05-05	2012-05-05	2012	Seen
Barbastella barbastellus	Barbastelle	confidential	SW7851	SW75V	confidential	2012-03-31	2012-03-31	2012	Seen
Barbastella barbastellus	Barbastelle	confidential	SW7653	SW75R	confidential	2012-09-19	2012-09-19	2012	Seen
Barbastella barbastellus	Barbastelle	confidential	SW7851	SW75V	confidential	2012-03-30	2012-03-30	2012	Seen
Barbastella barbastellus	Barbastelle	confidential	SW8144	SW84C	confidential	2007-01-01	2007-12-31	2007	Bat Detected
Eptesicus serotinus	Serotine	confidential	SW7851	SW75V	confidential	2012-08-31	2012-08-31	2012	Seen
Eptesicus serotinus	Serotine	confidential	SW8148	SW84E	confidential	2011-08-19	2011-08-25	2011	Bat Detected
Eptesicus serotinus	Serotine	confidential	SW7653	SW75R	confidential	2011-06-06	2011-06-06	2011	Bat Detected
Myotis daubentonii	Daubenton's Bat	confidential	SW8244	SW84H	confidential	2009-10-12	2009-10-12	2009	Bat Seen
Myotis mystacinus	Whiskered Bat	confidential	SW8458	SW85P	confidential	2013-09-07	2013-09-07	2013	Seen
Myotis mystacinus	Whiskered Bat	confidential	SW6741	SW64Q	confidential	2013-09-02	2013-09-02	2013	Seen
Myotis mystacinus	Whiskered Bat	confidential	SW7048	SW74E	confidential	2013-01-07	2013-01-07	2013	Bat Seen
Myotis mystacinus	Whiskered Bat	confidential	SW8444	SW84M	confidential	2012-10-09	2012-10-09	2012	Seen
Myotis mystacinus	Whiskered Bat	confidential	SW8144	SW84C	confidential	2010-09-01	2010-09-01	2010	Bat Seen
Myotis mystacinus	Whiskered Bat	confidential	SW8650	SW85Q	confidential	2010-07-06	2010-07-06	2010	Bat Seen
Myotis mystacinus	Whiskered Bat	confidential	SW8345	SW84H	confidential	2010-09-12	2010-09-12	2010	Bat Seen
Myotis mystacinus	Whiskered Bat	confidential	SW8663	SW86R	confidential	2009-09-20	2009-09-20	2009	Bat Seen
Myotis mystacinus	Whiskered Bat	confidential	SW6941	SW64V	confidential	2009-08-23	2009-08-23	2009	Bat Seen
Myotis mystacinus	Whiskered Bat	confidential	SW8244	SW84H	confidential	2009-08-17	2009-08-17	2009	Bat Seen
Myotis mystacinus	Whiskered Bat	confidential	SW8646	SW84T	confidential	2009-08-21	2009-08-21	2009	Bat Seen
Myotis mystacinus	Whiskered Bat	confidential	SW8462	SW86L	confidential	2007-07-31	2007-07-31	2007	Dead
Myotis mystacinus	Whiskered Bat	confidential	SW7048	SW74E	confidential	2007-01-02	2007-01-02	2007	Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Myotis nattereri	Natterer's Bat	confidential	SW7451	SW75K	confidential	2013-09-10	2013-09-10	2013	Bat Roost
Myotis nattereri	Natterer's Bat	confidential	SW8956	SW85Y	confidential	2012-09-17	2012-09-17	2012	Bat Roost
Myotis nattereri	Natterer's Bat	confidential	SW7851	SW75V	confidential	2012-09-06	2012-09-06	2012	Seen
Myotis nattereri	Natterer's Bat	confidential	SW7048	SW74E	confidential	2012-10-28	2012-10-28	2012	Bat Seen
Myotis nattereri	Natterer's Bat	confidential	SW7048	SW74E	confidential	2012-01-22	2012-01-22	2012	Bat Seen
Myotis nattereri	Natterer's Bat	confidential	SW7449	SW74P	confidential	2012-07-11	2012-07-11	2012	Seen
Myotis nattereri	Natterer's Bat	confidential	SW7048	SW74E	confidential	2012-11-24	2012-11-24	2012	Bat Seen
Myotis nattereri	Natterer's Bat	confidential	SW7048	SW74E	confidential	2012-02-04	2012-02-04	2012	Bat Seen
Myotis nattereri	Natterer's Bat	confidential	SW7851	SW75V	confidential	2012-09-09	2012-09-09	2012	Seen
Myotis nattereri	Natterer's Bat	confidential	SW7449	SW74P	confidential	2012-07-10	2012-07-10	2012	Seen
Myotis nattereri	Natterer's Bat	confidential	SW7654	SW75S	confidential	2012-09-10	2012-09-10	2012	Seen
Myotis nattereri	Natterer's Bat	confidential	SW7851	SW75V	confidential	2012-09-05	2012-09-05	2012	Seen
Myotis nattereri	Natterer's Bat	confidential	SW7653	SW75R	confidential	2012-09-10	2012-09-10	2012	Bat Roost
Myotis nattereri	Natterer's Bat	confidential	SW8956	SW85Y	confidential	2012-07-18	2012-07-18	2012	Bat Roost
Myotis nattereri	Natterer's Bat	confidential	SW7851	SW75V	confidential	2012-09-04	2012-09-04	2012	Seen
Myotis nattereri	Natterer's Bat	confidential	SW7851	SW75V	confidential	2012-09-08	2012-09-08	2012	Seen
Myotis nattereri	Natterer's Bat	confidential	SW7851	SW75V	confidential	2012-09-27	2012-09-27	2012	Seen
Myotis nattereri	Natterer's Bat	confidential	SW8050	SW85A	confidential	2011-07-20	2011-07-20	2011	Bat Roost
Myotis nattereri	Natterer's Bat	confidential	SW7048	SW74E	confidential	2011-12-31	2011-12-31	2011	Bat Seen
Myotis nattereri	Natterer's Bat	confidential	SW7048	SW74E	confidential	2011-12-01	2011-12-01	2011	Bat Seen
Myotis nattereri	Natterer's Bat	confidential	SW8261	SW86F	confidential	2011-10-19	2011-10-19	2011	Bat Detected
Myotis nattereri	Natterer's Bat	confidential	SW8050	SW85A	confidential	2011-06-16	2011-06-16	2011	Bat Roost
Myotis nattereri	Natterer's Bat	confidential	SW7653	SW75R	confidential	2011-06-06	2011-06-06	2011	Bat Detected
Myotis nattereri	Natterer's Bat	confidential	SW8050	SW85A	confidential	2011-05-19	2011-05-19	2011	Bat Roost

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Myotis nattereri	Natterer's Bat	confidential	SW6947	SW64Y	confidential	2011-08-15	2011-08-15	2011	Bat Roost
Myotis nattereri	Natterer's Bat	confidential	SW8951	SW85V	confidential	2009-01-31	2009-01-31	2009	Bat Roost
Myotis nattereri	Natterer's Bat	confidential	SW7950	SW75V	confidential	2009-03-01	2009-03-01	2009	Seen
Myotis nattereri	Natterer's Bat	confidential	SW8244	SW84H	confidential	2009-10-20	2009-10-20	2009	Bat Seen
Myotis nattereri	Natterer's Bat	confidential	SW7740	SW74Q	confidential	2007-06-16	2007-06-16	2007	Dead
Myotis nattereri	Natterer's Bat	confidential	SW7950	SW75V	confidential	2007-03-25	2007-03-25	2007	Seen
Myotis nattereri	Natterer's Bat	confidential	SW8045	SW84C	confidential	2007-10-28	2007-10-28	2007	Seen
Myotis nattereri	Natterer's Bat	confidential	SW8040	SW84A	confidential	2007-06-16	2007-06-16	2007	Dead
Nyctalus noctula	Noctule Bat	confidential	SW7757	SW75T	confidential	2013-07-06	2013-07-06	2013	Field Record
Nyctalus noctula	Noctule	confidential	SW7343	SW74G	confidential	2013-09-01	2013-09-01	2013	Seen
Nyctalus noctula	Noctule	confidential	SW7940	SW74V	confidential	2013-08-21	2013-08-21	2013	Bat Detected
Nyctalus noctula	Noctule	confidential	SW7653	SW75R	confidential	2012-09-22	2012-09-22	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2012-06-01	2012-06-01	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2012-07-15	2012-07-15	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7145	SW74C	confidential	2012-05-10	2012-05-23	2012	Bat Detected
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2012-06-20	2012-06-20	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2012-07-13	2012-07-13	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2012-07-14	2012-07-14	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2012-08-18	2012-08-18	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-09-30	2012-09-30	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-05-04	2012-05-04	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-07-03	2012-07-03	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-09-02	2012-09-02	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-09-03	2012-09-03	2012	Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-09-26	2012-09-26	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2012-06-02	2012-06-02	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-09-09	2012-09-09	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-07-24	2012-07-24	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-09-28	2012-09-28	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2012-06-04	2012-06-04	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2012-06-20	2012-06-20	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2012-09-14	2012-09-14	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-05-05	2012-05-05	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-07-02	2012-07-02	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-09-01	2012-09-01	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-09-27	2012-09-27	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-09-29	2012-09-29	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2012-06-19	2012-06-19	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2012-06-19	2012-06-19	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-09-05	2012-09-05	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-07-25	2012-07-25	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-07-26	2012-07-26	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-08-31	2012-08-31	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-09-08	2012-09-08	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7851	SW75V	confidential	2012-07-23	2012-07-23	2012	Seen
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2011-06-04	2011-06-04	2011	Bat Detected
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2011-06-14	2011-06-14	2011	Bat Detected
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2011-04-06	2011-04-06	2011	Bat Detected

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Nyctalus noctula	Noctule	confidential	SW7653	SW75R	confidential	2011-06-03	2011-06-03	2011	Bat Detected
Nyctalus noctula	Noctule	confidential	SW8148	SW84E	confidential	2011-08-19	2011-08-25	2011	Bat Detected
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2011-06-03	2011-06-03	2011	Bat Detected
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2011-08-08	2011-08-08	2011	Bat Detected
Nyctalus noctula	Noctule	confidential	SW7653	SW75R	confidential	2011-06-06	2011-06-06	2011	Bat Detected
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2011-03-11	2011-03-11	2011	Bat Detected
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2011-05-20	2011-05-20	2011	Bat Detected
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2011-04-22	2011-04-22	2011	Bat Detected
Nyctalus noctula	Noctule	confidential	SW7654	SW75S	confidential	2011-08-16	2011-08-16	2011	Bat Detected
Nyctalus noctula	Noctule	confidential	SW8144	SW84C	confidential	2007-01-01	2007-12-31	2007	Seen
Nyctalus noctula	Noctule Bat	confidential	SW7541	SW74K	confidential	2007-07-21	2007-07-21	2007	Seen
Nyctalus noctula	Noctule Bat	confidential	SW8146	SW84D	confidential	2007-07-22	2007-07-22	2007	Seen
Nyctalus noctula	Noctule Bat	confidential	SW8241	SW84F	confidential	2007-07-25	2007-07-25	2007	Seen
Nyctalus noctula	Noctule Bat	confidential	SW8146	SW84D	confidential	2007-07-04	2007-07-04	2007	Seen
Nyctalus noctula	Noctule Bat	confidential	SW8241	SW84F	confidential	2007-07-12	2007-07-12	2007	Seen
Nyctalus noctula	Noctule	confidential	SW7638	SW73U	confidential	2007-08-18	2007-08-18	2007	Dead
Nyctalus noctula	Noctule	confidential	SW8762	SW86R	confidential	2007-06-14	2007-06-14	2007	Field record
Nyctalus noctula	Noctule Bat	confidential	SW8341	SW84F	confidential	2007-07-13	2007-07-13	2007	Seen
Pipistrellus nathusii	Nathusius' Pipistrelle	confidential	SW7940	SW74V	confidential	2011-10-03	2011-10-16	2011	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7339	SW73J	confidential	2014-01-25	2014-01-25	2014	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7537	SW73N	confidential	2013-10-21	2013-10-21	2013	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7942	SW74W	confidential	2013-05-21	2013-05-21	2013	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7451	SW75K	confidential	2013-09-10	2013-09-10	2013	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW6948	SW64Z	confidential	2013-08-10	2013-08-10	2013	Bat Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7046	SW74D	confidential	2013-04-15	2013-04-15	2013	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7641	SW74Q	confidential	2013-06-22	2013-06-22	2013	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7147	SW74D	confidential	2013-07-24	2013-07-24	2013	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8450	SW85K	confidential	2013-09-15	2013-09-15	2013	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW6945	SW64X	confidential	2013-05-03	2013-05-03	2013	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7241	SW74F	confidential	2013-09-16	2013-09-16	2013	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8458	SW85P	confidential	2013-06-30	2013-06-30	2013	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7744	SW74S	confidential	2013-12-05	2013-12-05	2013	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8056	SW85D	confidential	2013-09-09	2013-09-09	2013	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8047	SW84D	confidential	2013-06-23	2013-06-23	2013	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8947	SW84Y	confidential	2013-08-30	2013-08-30	2013	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8458	SW85P	confidential	2013-09-03	2013-09-03	2013	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7844	SW74X	confidential	2013-03-28	2013-03-28	2013	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8041	SW84A	confidential	2013-12-24	2013-12-24	2013	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7950	SW75V	confidential	2013-08-13	2013-08-13	2013	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7860	SW76V	confidential	2013-09-02	2013-09-02	2013	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7940	SW74V	confidential	2013-09-18	2013-09-18	2013	Bat Detected
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7940	SW74V	confidential	2013-08-21	2013-08-21	2013	Bat Detected
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8140	SW84A	confidential	2013-09-03	2013-09-03	2013	Bat Roost
Pipistrellus pipistrellus	Pipistrelle Bat	confidential	SW8160	SW86A	confidential	2013-06-25	2013-06-25	2013	Field Record
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2012-08-23	2012-08-23	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-02-29	2012-02-29	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-06-19	2012-06-19	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-08-17	2012-08-17	2012	Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-09-10	2012-09-10	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-09-05	2012-09-05	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-09-07	2012-09-07	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-05-05	2012-05-05	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-07-25	2012-07-25	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-09-03	2012-09-03	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-09-27	2012-09-27	2012	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7552	SW75L	confidential	2012-06-19	2012-06-19	2012	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8044	SW84C	confidential	2012-06-01	2012-08-30	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7342	SW74G	confidential	2012-08-23	2012-08-23	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8260	SW86F	confidential	2012-09-17	2012-09-17	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7539	SW73P	confidential	2012-08-01	2012-08-01	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7137	SW73D	confidential	2012-03-02	2012-03-02	2012	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7239	SW73J	confidential	2012-07-20	2012-07-20	2012	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8247	SW84I	confidential	2012-03-14	2012-03-14	2012	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7145	SW74C	confidential	2012-05-10	2012-05-23	2012	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8862	SW86W	confidential	2012-07-09	2012-07-09	2012	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7449	SW74P	confidential	2012-07-09	2012-07-09	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8245	SW84H	confidential	2012-05-30	2012-05-30	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2012-03-01	2012-03-01	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2012-06-22	2012-06-22	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2012-04-30	2012-04-30	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2012-05-02	2012-05-02	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2012-08-22	2012-08-22	2012	Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2012-09-18	2012-09-18	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2012-09-19	2012-09-19	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2012-09-24	2012-09-24	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7147	SW74D	confidential	2012-07-23	2012-07-23	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-07-14	2012-07-14	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-09-11	2012-09-11	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-09-12	2012-09-12	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-09-06	2012-09-06	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2012-03-03	2012-03-03	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2012-03-30	2012-03-30	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2012-06-24	2012-06-24	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2012-09-20	2012-09-20	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2012-09-21	2012-09-21	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-03-01	2012-03-01	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8244	SW84H	confidential	2012-02-28	2012-02-28	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8450	SW85K	confidential	2012-10-14	2012-10-14	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-10-01	2012-10-01	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-10-04	2012-10-04	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-08-31	2012-08-31	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-09-01	2012-09-01	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-06-20	2012-06-20	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-07-13	2012-07-13	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-09-04	2012-09-04	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-09-30	2012-09-30	2012	Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-07-26	2012-07-26	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-09-02	2012-09-02	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7742	SW74R	confidential	2012-08-16	2012-08-16	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7449	SW74P	confidential	2012-07-10	2012-07-10	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7449	SW74P	confidential	2012-07-11	2012-07-11	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2012-05-01	2012-05-01	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2012-05-03	2012-05-03	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2012-08-24	2012-08-24	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2012-09-22	2012-09-22	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-04-01	2012-04-01	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-06-01	2012-06-01	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-06-21	2012-06-21	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-08-18	2012-08-18	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-08-19	2012-08-19	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-09-08	2012-09-08	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-10-02	2012-10-02	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-07-03	2012-07-03	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-07-04	2012-07-04	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8862	SW86W	confidential	2012-07-13	2012-07-13	2012	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8956	SW85Y	confidential	2012-07-18	2012-07-18	2012	Bat Breeding Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-03-03	2012-03-03	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-06-04	2012-06-04	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8956	SW85Y	confidential	2012-09-17	2012-09-17	2012	Bat Breeding Roost

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-03-30	2012-03-30	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-03-31	2012-03-31	2012	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7540	SW74K	confidential	2012-03-01	2012-03-01	2012	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-06-20	2012-06-20	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-06-21	2012-06-21	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-07-15	2012-07-15	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-06-19	2012-06-19	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-08-20	2012-08-20	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-09-13	2012-09-13	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-03-31	2012-03-31	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-05-04	2012-05-04	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-09-28	2012-09-28	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-09-14	2012-09-14	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2012-09-15	2012-09-15	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-09-09	2012-09-09	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-10-03	2012-10-03	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-07-23	2012-07-23	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-09-26	2012-09-26	2012	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8045	SW84C	confidential	2012-06-28	2012-06-28	2012	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7948	SW74Z	confidential	2012-08-04	2012-08-04	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW6742	SW64R	confidential	2012-12-13	2012-12-13	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7249	SW74J	confidential	2012-07-22	2012-07-22	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7851	SW75V	confidential	2012-09-29	2012-09-29	2012	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8059	SW85E	confidential	2011-08-11	2011-08-11	2011	Bat Breeding

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
									Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8050	SW85A	confidential	2011-07-20	2011-07-20	2011	Bat Breeding Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8050	SW85A	confidential	2011-06-16	2011-06-16	2011	Bat Breeding Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8245	SW84H	confidential	2011-06-09	2011-06-09	2011	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7940	SW74V	confidential	2011-10-03	2011-10-16	2011	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8654	SW85S	confidential	2011-06-13	2011-06-13	2011	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7550	SW75K	confidential	2011-08-05	2011-08-05	2011	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8654	SW85S	confidential	2011-05-09	2011-05-09	2011	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7545	SW74M	confidential	2011-07-06	2011-07-06	2011	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7944	SW74X	confidential	2011-09-05	2011-09-05	2011	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7852	SW75W	confidential	2011-06-25	2011-06-25	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7250	SW75F	confidential	2011-07-11	2011-07-11	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW9260	SW96F	confidential	2011-07-27	2011-07-27	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7944	SW74X	confidential	2011-12-24	2011-12-24	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2011-08-27	2011-08-27	2011	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2011-08-08	2011-08-08	2011	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2011-06-14	2011-06-14	2011	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2011-06-06	2011-06-06	2011	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7945	SW74X	confidential	2011-05-23	2011-05-23	2011	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7945	SW74X	confidential	2011-06-23	2011-06-23	2011	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8050	SW85A	confidential	2011-05-19	2011-05-19	2011	Bat Breeding Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8345	SW84H	confidential	2011-03-03	2011-03-03	2011	Bat Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7843	SW74W	confidential	2011-07-15	2011-07-15	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8459	SW85P	confidential	2011-01-04	2011-01-04	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7241	SW74F	confidential	2011-02-07	2011-02-07	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8458	SW85P	confidential	2011-05-12	2011-05-12	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8245	SW84H	confidential	2011-08-24	2011-08-24	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8960	SW86V	confidential	2011-06-24	2011-06-24	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8245	SW84H	confidential	2011-07-14	2011-07-14	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8256	SW85I	confidential	2011-08-09	2011-08-09	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7945	SW74X	confidential	2011-09-03	2011-09-03	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7344	SW74H	confidential	2011-03-14	2011-03-14	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7250	SW75F	confidential	2011-07-11	2011-07-11	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8260	SW86F	confidential	2011-08-12	2011-08-12	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW9249	SW94J	confidential	2011-11-13	2011-11-13	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8059	SW85E	confidential	2011-09-08	2011-09-08	2011	Bat Breeding Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8139	SW83E	confidential	2011-08-26	2011-08-26	2011	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7552	SW75L	confidential	2011-01-06	2011-01-06	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7244	SW74H	confidential	2011-08-04	2011-08-04	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW6842	SW64W	confidential	2011-08-10	2011-08-10	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW9160	SW96A	confidential	2011-08-21	2011-08-21	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7744	SW74S	confidential	2011-10-17	2011-10-17	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8056	SW85D	confidential	2011-10-29	2011-10-29	2011	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2011-06-03	2011-06-03	2011	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2011-04-05	2011-04-05	2011	Bat Detected

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2011-06-04	2011-06-04	2011	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2011-08-28	2011-08-28	2011	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2011-05-10	2011-05-10	2011	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2011-04-22	2011-04-22	2011	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2011-08-16	2011-08-16	2011	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7653	SW75R	confidential	2011-06-03	2011-06-03	2011	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2011-05-20	2011-05-20	2011	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2011-03-11	2011-03-11	2011	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7948	SW74Z	confidential	2011-06-14	2011-06-14	2011	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2011-04-06	2011-04-06	2011	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7654	SW75S	confidential	2011-04-15	2011-04-15	2011	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8148	SW84E	confidential	2011-08-19	2011-08-25	2011	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8444	SW84M	confidential	2011-09-26	2011-09-26	2011	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7349	SW74J	confidential	2011-07-08	2011-07-08	2011	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7148	SW74E	confidential	2010-03-13	2010-03-13	2010	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7948	SW74Z	confidential	2010-09-04	2010-09-04	2010	Dung or other signs
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8947	SW84Y	confidential	2010-06-18	2010-06-18	2010	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7754	SW75S	confidential	2010-09-13	2010-09-13	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7939	SW73Z	confidential	2010-08-26	2010-08-26	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8144	SW84C	confidential	2010-06-19	2010-06-19	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8261	SW86F	confidential	2010-08-03	2010-08-03	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8058	SW85E	confidential	2010-03-11	2010-03-11	2010	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW6949	SW64Z	confidential	2010-03-17	2010-03-17	2010	Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7041	SW74A	confidential	2010-09-26	2010-09-26	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7543	SW74L	confidential	2010-08-22	2010-08-22	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7858	SW75Z	confidential	2010-06-23	2010-06-23	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7960	SW76V	confidential	2010-03-21	2010-03-21	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8161	SW86A	confidential	2010-09-25	2010-09-25	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8462	SW86L	confidential	2010-09-30	2010-09-30	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW6947	SW64Y	confidential	2010-08-15	2010-08-15	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7041	SW74A	confidential	2010-09-11	2010-09-11	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW9147	SW94D	confidential	2010-08-11	2010-08-11	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8343	SW84G	confidential	2010-10-14	2010-10-14	2010	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8160	SW86A	confidential	2010-07-28	2010-07-28	2010	Bat Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7147	SW74D	confidential	2010-03-13	2010-03-13	2010	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8244	SW84H	confidential	2010-08-06	2010-08-06	2010	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW9150	SW95A	confidential	2010-07-22	2010-07-22	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7844	SW74X	confidential	2010-08-28	2010-08-28	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7345	SW74H	confidential	2010-10-18	2010-10-18	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8343	SW84G	confidential	2010-10-14	2010-10-14	2010	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7342	SW74G	confidential	2010-08-11	2010-08-11	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8860	SW86V	confidential	2010-07-29	2010-07-29	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8047	SW84D	confidential	2010-09-01	2010-09-01	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8463	SW86L	confidential	2010-10-26	2010-10-26	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW6741	SW64Q	confidential	2010-09-03	2010-09-03	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7844	SW74X	confidential	2010-10-25	2010-10-25	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8343	SW84G	confidential	2010-10-14	2010-10-14	2010	Bat Roost

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7147	SW74D	confidential	2010-03-11	2010-03-11	2010	Dead
Pipistrellus pipistrellus	Pipistrelle	confidential	SW6742	SW64R	confidential	2010-09-15	2010-09-15	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW9352	SW95G	confidential	2010-07-11	2010-07-11	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7341	SW74F	confidential	2010-08-04	2010-08-04	2010	Bat Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8343	SW84G	confidential	2010-10-14	2010-10-14	2010	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8261	SW86F	confidential	2010-01-21	2010-01-21	2010	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW6941	SW64V	confidential	2010-07-17	2010-07-17	2010	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8056	SW85D	confidential	2010-02-28	2010-02-28	2010	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7239	SW73J	confidential	2009-05-18	2009-05-18	2009	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7948	SW74Z	confidential	2009-02-27	2009-02-27	2009	Auditory record
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7251	SW75F	confidential	2009-10-14	2009-10-14	2009	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7047	SW74D	confidential	2009-02-26	2009-02-26	2009	Auditory record
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8952	SW85W	confidential	2009-09-11	2009-09-11	2009	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7337	SW73I	confidential	2009-07-07	2009-07-07	2009	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW6743	SW64R	confidential	2009-08-01	2009-08-01	2009	Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8960	SW86V	confidential	2009-06-26	2009-06-26	2009	Bat Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8260	SW86F	confidential	2009-05-06	2009-05-06	2009	Bat Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7139	SW73E	confidential	2009-06-05	2009-06-05	2009	Bat Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8960	SW86V	confidential	2009-06-26	2009-06-26	2009	Bat Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8360	SW86F	confidential	2009-06-29	2009-06-29	2009	Bat Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7337	SW73I	confidential	2009-07-15	2009-07-15	2009	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7744	SW74S	confidential	2009-02-14	2009-02-14	2009	Bat Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8244	SW84H	confidential	2009-08-21	2009-08-21	2009	Bat Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW6946	SW64Y	confidential	2009-07-08	2009-07-08	2009	Bat Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7342	SW74G	confidential	2009-10-02	2009-10-02	2009	Bat Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7451	SW75K	confidential	2009-07-01	2009-07-01	2009	Bat Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7337	SW73I	confidential	2009-07-06	2009-07-06	2009	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8141	SW84A	confidential	2009-06-04	2009-06-04	2009	Bat Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7337	SW73I	confidential	2009-07-06	2009-07-06	2009	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7337	SW73I	confidential	2009-07-10	2009-07-10	2009	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW9353	SW95G	confidential	2009-03-01	2009-03-01	2009	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7543	SW74L	confidential	2009-03-15	2009-03-15	2009	Bat Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW6946	SW64Y	confidential	2009-06-17	2009-06-17	2009	Bat Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW8345	SW84H	confidential	2009-09-22	2009-09-22	2009	Bat Seen
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7948	SW74Z	confidential	2009-07-22	2009-07-22	2009	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7337	SW73I	confidential	2009-07-21	2009-07-21	2009	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7337	SW73I	confidential	2009-07-07	2009-07-07	2009	Bat Roost
Pipistrellus pipistrellus	Common Pipistrelle	confidential	SW7337	SW73I	confidential	2009-07-15	2009-07-15	2009	Bat Roost
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7642	SW74R	confidential	2007-05-12	2007-05-12	2007	Dead
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7642	SW74R	confidential	2007-05-12	2007-05-12	2007	Dead
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7451	SW75K	confidential	2007-03-22	2007-03-22	2007	Dead
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8241	SW84F	confidential	2007-07-12	2007-07-12	2007	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8146	SW84D	confidential	2007-07-22	2007-07-22	2007	Seen
Pipistrellus pipistrellus	Pipistrelle Bat	confidential	SW6941	SW64V	confidential	2007-07-13	2007-07-13	2007	Field Record
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8341	SW84F	confidential	2007-07-13	2007-07-13	2007	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW6947	SW64Y	confidential	2007-07-14	2007-07-14	2007	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7738	SW73U	confidential	2007-04-04	2007-04-04	2007	Dead
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8040	SW84A	confidential	2007-09-30	2007-09-30	2007	Dead

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8146	SW84D	confidential	2007-07-04	2007-07-04	2007	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7541	SW74K	confidential	2007-07-12	2007-07-12	2007	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8241	SW84F	confidential	2007-07-25	2007-07-25	2007	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7237	SW73I	confidential	2007-05-18	2007-05-18	2007	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7137	SW73D	confidential	2007-05-18	2007-05-18	2007	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7541	SW74K	confidential	2007-07-21	2007-07-21	2007	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7640	SW74Q	confidential	2007-09-01	2007-09-30	2007	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7848	SW74Z	confidential	2007-01-23	2007-01-23	2007	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7249	SW74J	confidential	2007-10-13	2007-10-13	2007	Dung or other signs
Pipistrellus pipistrellus	Pipistrelle Bat	confidential	SW7439	SW73P	confidential	2007-04-16	2007-04-16	2007	Dung or other signs
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7239	SW73J	confidential	2007-10-26	2007-10-26	2007	Dung or other signs
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7537	SW73N	confidential	2007-08-18	2007-08-18	2007	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW6843	SW64W	confidential	2007-04-23	2007-04-23	2007	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7537	SW73N	confidential	2007-06-06	2007-06-06	2007	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7537	SW73N	confidential	2007-06-06	2007-06-06	2007	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7937	SW73Y	confidential	2007-06-05	2007-06-05	2007	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7937	SW73Y	confidential	2007-06-05	2007-06-05	2007	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8038	SW83E	confidential	2007-06-07	2007-06-07	2007	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7637	SW73T	confidential	2007-06-06	2007-06-06	2007	Bat Detected
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7346	SW74I	confidential	2007-09-27	2007-09-27	2007	Dead
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8853	SW85W	confidential	2007-08-25	2007-08-25	2007	Dead
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7437	SW73N	confidential	2007-07-23	2007-07-23	2007	Dead

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7738	SW73U	confidential	2007-04-04	2007-04-04	2007	Dead
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7444	SW74M	confidential	2007-07-02	2007-07-02	2007	Dead
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7545	SW74M	confidential	2007-07-23	2007-07-23	2007	Dead
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8040	SW84A	confidential	2007-09-30	2007-09-30	2007	Dead
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8160	SW86A	confidential	2007-07-21	2007-07-21	2007	Dead
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8960	SW86V	confidential	2007-06-29	2007-06-29	2007	Dead
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7250	SW75F	confidential	2007-08-03	2007-08-03	2007	Dead
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8153	SW85B	confidential	2007-09-22	2007-09-22	2007	Dead
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7644	SW74S	confidential	2007-09-02	2007-09-02	2007	Dead
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8045	SW84C	confidential	2007-10-28	2007-10-28	2007	Seen
Pipistrellus pipistrellus	Pipistrelle	confidential	SW7346	SW74I	confidential	2007-09-27	2007-09-27	2007	Dead
Pipistrellus pipistrellus	Pipistrelle	confidential	SW8144	SW84C	confidential	2007-01-01	2007-12-31	2007	Bat Detected
Pipistrellus pygmaeus	Soprano Pipistrelle	confidential	SW7738	SW73U	confidential	2013-01-20	2013-01-20	2013	Seen
Pipistrellus pygmaeus	Soprano Pipistrelle	confidential	SW7757	SW75T	confidential	2013-06-30	2013-06-30	2013	Seen
Pipistrellus pygmaeus	Soprano Pipistrelle	confidential	SW8058	SW85E	confidential	2013-07-13	2013-07-13	2013	Seen
Pipistrellus pygmaeus	Soprano Pipistrelle	confidential	SW8141	SW84A	confidential	2013-04-04	2013-04-04	2013	Seen
Pipistrellus pygmaeus	Soprano Pipistrelle	confidential	SW8260	SW86F	confidential	2013-09-11	2013-09-11	2013	Seen
Pipistrellus pygmaeus	Soprano Pipistrelle	confidential	SW8952	SW85W	confidential	2013-04-03	2013-04-03	2013	Seen
Pipistrellus pygmaeus	Soprano Pipistrelle	confidential	SW7239	SW73J	confidential	2013-07-20	2013-07-20	2013	Seen
Pipistrellus pygmaeus	Soprano Pipistrelle	confidential	SW6941	SW64V	confidential	2013-08-22	2013-08-22	2013	Seen
Pipistrellus pygmaeus	Soprano Pipistrelle	confidential	SW8343	SW84G	confidential	2013-09-10	2013-09-10	2013	Seen
Pipistrellus pygmaeus	Soprano Pipistrelle	confidential	SW7037	SW73D	confidential	2007-05-18	2007-05-18	2007	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7339	SW73J	confidential	2014-01-25	2014-01-25	2014	Bat Roost

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7549	SW74P	confidential	2014-01-21	2014-01-21	2014	Bat Roost
Plecotus auritus	Brown Long-eared Bat	confidential	SW8442	SW84L	confidential	2013-08-27	2013-08-27	2013	Seen
Plecotus auritus	Brown Long-eared Bat	confidential	SW7952	SW75W	confidential	2013-10-04	2013-10-04	2013	Seen
Plecotus auritus	Brown Long-eared Bat	confidential	SW7952	SW75W	confidential	2013-10-04	2013-10-04	2013	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW6940	SW64V	confidential	2013-09-09	2013-09-09	2013	Bat Roost
Plecotus auritus	Brown Long-eared Bat	confidential	SW8646	SW84T	confidential	2013-07-18	2013-07-18	2013	Seen
Plecotus auritus	Brown Long-eared Bat	confidential	SW8444	SW84M	confidential	2013-09-21	2013-09-21	2013	Seen
Plecotus auritus	Brown Long-eared Bat	confidential	SW8747	SW84T	confidential	2013-09-03	2013-09-03	2013	Seen
Plecotus auritus	Brown Long-eared Bat	confidential	SW7944	SW74X	confidential	2013-08-28	2013-08-28	2013	Seen
Plecotus auritus	Brown Long-eared Bat	confidential	SW8243	SW84G	confidential	2013-03-13	2013-03-13	2013	Seen
Plecotus auritus	Brown Long-eared Bat	confidential	SW8244	SW84H	confidential	2013-10-07	2013-10-07	2013	Seen
Plecotus auritus	Brown Long-eared Bat	confidential	SW7743	SW74R	confidential	2013-08-13	2013-08-13	2013	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7542	SW74L	confidential	2013-08-20	2013-08-20	2013	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7950	SW75V	confidential	2013-08-08	2013-08-08	2013	Bat Roost
Plecotus auritus	Brown Long-eared Bat	confidential	SW7248	SW74J	confidential	2013-05-05	2013-05-05	2013	Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Plecotus auritus	Brown Long-eared Bat	confidential	SW6843	SW64W	confidential	2013-09-01	2013-09-01	2013	Seen
Plecotus auritus	Brown Long-eared Bat	confidential	SW7444	SW74M	confidential	2013-08-29	2013-08-29	2013	Seen
Plecotus auritus	Brown Long-eared Bat	confidential	SW8344	SW84H	confidential	2013-09-08	2013-09-08	2013	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7940	SW74V	confidential	2013-08-21	2013-08-21	2013	Bat Detected
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7940	SW74V	confidential	2013-09-18	2013-09-18	2013	Bat Detected
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7447	SW74N	confidential	2013-05-23	2013-05-23	2013	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7240	SW74F	confidential	2013-05-04	2013-05-04	2013	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7853	SW75W	confidential	2012-08-08	2012-08-08	2012	Bat Breeding Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7145	SW74C	confidential	2012-05-10	2012-05-23	2012	Bat Detected
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7658	SW75U	confidential	2012-08-02	2012-08-02	2012	Bat Droppings
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8956	SW85Y	confidential	2012-07-18	2012-07-18	2012	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8043	SW84B	confidential	2012-12-30	2012-12-30	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8955	SW85X	confidential	2012-02-10	2012-02-10	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8141	SW84A	confidential	2012-08-18	2012-08-18	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8244	SW84H	confidential	2012-09-24	2012-09-24	2012	Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7653	SW75R	confidential	2012-05-02	2012-05-02	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8244	SW84H	confidential	2012-10-01	2012-10-01	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7240	SW74F	confidential	2012-08-11	2012-08-11	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7654	SW75S	confidential	2012-08-20	2012-08-20	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7654	SW75S	confidential	2012-09-11	2012-09-11	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7851	SW75V	confidential	2012-09-05	2012-09-05	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8454	SW85M	confidential	2012-09-06	2012-09-06	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7851	SW75V	confidential	2012-09-01	2012-09-01	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8956	SW85Y	confidential	2012-09-17	2012-09-17	2012	Bat Roost
Plecotus auritus	Brown Long-eared Bat	confidential	SW8141	SW84A	confidential	2012-08-29	2012-08-29	2012	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7738	SW73U	confidential	2012-08-14	2012-08-14	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8141	SW84A	confidential	2012-05-13	2012-05-13	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7654	SW75S	confidential	2012-08-19	2012-08-19	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW9050	SW95A	confidential	2012-05-29	2012-05-29	2012	Dead
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7449	SW74P	confidential	2012-07-09	2012-07-09	2012	Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8244	SW84H	confidential	2012-11-01	2012-11-01	2012	Bat Droppings
Plecotus auritus	Brown Long-eared Bat	confidential	SW7341	SW74F	confidential	2012-06-15	2012-06-15	2012	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7654	SW75S	confidential	2012-09-12	2012-09-12	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7851	SW75V	confidential	2012-09-27	2012-09-27	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7738	SW73U	confidential	2012-08-28	2012-08-28	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7539	SW73P	confidential	2012-05-24	2012-05-24	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8458	SW85P	confidential	2012-08-09	2012-08-09	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8141	SW84A	confidential	2012-07-18	2012-07-18	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7851	SW75V	confidential	2012-09-28	2012-09-28	2012	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8748	SW84U	confidential	2011-08-30	2011-08-30	2011	Bat Droppings
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8050	SW85A	confidential	2011-06-16	2011-06-16	2011	Bat Detected
Plecotus auritus	Brown Long-eared Bat	confidential	SW7738	SW73U	confidential	2011-08-23	2011-08-23	2011	Bat Roost
Plecotus auritus	Brown Long-eared Bat	confidential	SW8239	SW83J	confidential	2011-02-20	2011-02-20	2011	Bat Roost
Plecotus auritus	Brown Long-eared Bat	confidential	SW7944	SW74X	confidential	2011-09-05	2011-09-05	2011	Bat Roost
Plecotus auritus	Brown Long-eared Bat	confidential	SW8145	SW84C	confidential	2011-11-23	2011-11-23	2011	Bat Roost

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8654	SW85S	confidential	2011-05-09	2011-05-09	2011	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8654	SW85S	confidential	2011-06-13	2011-06-13	2011	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8050	SW85A	confidential	2011-05-19	2011-05-19	2011	Bat Detected
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8050	SW85A	confidential	2011-07-20	2011-07-20	2011	Bat Detected
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7940	SW74V	confidential	2011-10-03	2011-10-16	2011	Bat Detected
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8444	SW84M	confidential	2011-09-26	2011-09-26	2011	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7444	SW74M	confidential	2011-08-30	2011-08-30	2011	Bat Roost
Plecotus auritus	Brown Long-eared Bat	confidential	SW7543	SW74L	confidential	2011-10-10	2011-10-10	2011	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7450	SW75K	confidential	2011-06-14	2011-06-14	2011	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7738	SW73U	confidential	2011-07-22	2011-07-22	2011	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7353	SW75G	confidential	2011-08-14	2011-08-14	2011	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8244	SW84H	confidential	2011-10-12	2011-10-12	2011	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8046	SW84D	confidential	2011-09-14	2011-09-14	2011	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7444	SW74M	confidential	2011-09-26	2011-09-26	2011	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8751	SW85Q	confidential	2011-03-14	2011-03-14	2011	Bat Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8458	SW85P	confidential	2011-03-21	2011-03-21	2011	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7743	SW74R	confidential	2011-08-25	2011-08-25	2011	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8244	SW84H	confidential	2011-10-05	2011-10-05	2011	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW6642	SW64R	confidential	2011-07-25	2011-07-25	2011	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7945	SW74X	confidential	2011-10-11	2011-10-11	2011	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7744	SW74S	confidential	2011-04-09	2011-04-09	2011	Bat Seen
Plecotus auritus	Brown Long-eared Bat	confidential	SW8756	SW85T	confidential	2011-10-08	2011-10-08	2011	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7241	SW74F	confidential	2011-02-24	2011-02-24	2011	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8047	SW84D	confidential	2011-02-04	2011-02-04	2011	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8458	SW85P	confidential	2011-03-21	2011-03-21	2011	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8244	SW84H	confidential	2011-09-13	2011-09-13	2011	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7654	SW75S	confidential	2011-06-03	2011-06-03	2011	Bat Detected
Plecotus auritus	Brown Long-Eared Bat	confidential	SW6843	SW64W	confidential	2011-02-04	2011-02-04	2011	Bat Droppings
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8057	SW85D	confidential	2011-01-06	2011-01-06	2011	Bat Droppings
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7847	SW74Y	confidential	2011-10-27	2011-10-27	2011	Bat Roost

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8057	SW85D	confidential	2011-01-26	2011-02-09	2011	Bat Detected
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7847	SW74Y	confidential	2011-10-27	2011-10-27	2011	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7444	SW74M	confidential	2011-07-06	2011-07-06	2011	Bat Roost
Plecotus auritus	Brown Long-eared Bat	confidential	SW8651	SW85Q	confidential	2011-09-07	2011-09-07	2011	Bat Roost
Plecotus auritus	Brown Long-eared Bat	confidential	SW7845	SW74X	confidential	2010-09-23	2010-09-23	2010	Bat Roost
Plecotus auritus	Brown Long-eared Bat	confidential	SW8951	SW85V	confidential	2010-07-03	2010-07-03	2010	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8245	SW84H	confidential	2010-07-21	2010-07-21	2010	Bat Droppings
Plecotus auritus	Brown Long-Eared Bat	confidential	SW9150	SW95A	confidential	2010-09-05	2010-09-05	2010	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7347	SW74I	confidential	2010-07-15	2010-07-15	2010	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8950	SW85V	confidential	2010-09-04	2010-09-04	2010	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8244	SW84H	confidential	2010-09-24	2010-09-24	2010	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8244	SW84H	confidential	2010-10-11	2010-10-11	2010	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7651	SW75Q	confidential	2010-04-10	2010-04-10	2010	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8345	SW84H	confidential	2010-10-17	2010-10-17	2010	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8251	SW85F	confidential	2010-08-29	2010-08-29	2010	Bat Roost

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8244	SW84H	confidential	2010-09-17	2010-09-17	2010	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW9153	SW95B	confidential	2010-09-23	2010-09-23	2010	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8261	SW86F	confidential	2010-01-21	2010-01-21	2010	Bat Roost
Plecotus auritus	Brown Long-eared Bat	confidential	SW8955	SW85X	confidential	2010-06-14	2010-06-14	2010	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7856	SW75Y	confidential	2010-03-15	2010-03-15	2010	Bat Droppings
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7250	SW75F	confidential	2010-07-28	2010-07-28	2010	Bat Droppings
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7746	SW74T	confidential	2010-06-24	2010-06-24	2010	Dead
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7854	SW75X	confidential	2010-04-12	2010-04-12	2010	Bat Droppings
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7450	SW75K	confidential	2010-03-03	2010-03-03	2010	Bat Droppings
Plecotus auritus	Brown Long-eared Bat	confidential	SW8752	SW85R	confidential	2009-03-11	2009-03-11	2009	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8154	SW85C	confidential	2009-01-15	2009-01-15	2009	Dung or other signs
Plecotus auritus	Brown Long-eared Bat	confidential	SW8952	SW85W	confidential	2009-09-11	2009-09-11	2009	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8140	SW84A	confidential	2009-01-17	2009-01-17	2009	Dung or other signs
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8154	SW85C	confidential	2009-01-15	2009-01-15	2009	Dung or other signs
Plecotus auritus	Brown Long-eared Bat	confidential	SW8244	SW84H	confidential	2009-07-14	2009-07-14	2009	Field Record

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8247	SW84I	confidential	2009-07-07	2009-07-07	2009	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8245	SW84H	confidential	2009-11-04	2009-11-04	2009	Bat Roost
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8247	SW84I	confidential	2009-06-03	2009-06-03	2009	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8752	SW85R	confidential	2009-04-11	2009-04-11	2009	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8244	SW84H	confidential	2009-10-02	2009-10-02	2009	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7250	SW75F	confidential	2009-02-17	2009-02-17	2009	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8245	SW84H	confidential	2009-09-14	2009-09-14	2009	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8244	SW84H	confidential	2009-10-11	2009-10-11	2009	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8245	SW84H	confidential	2009-09-19	2009-09-19	2009	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8244	SW84H	confidential	2009-09-25	2009-09-25	2009	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8244	SW84H	confidential	2009-09-29	2009-09-29	2009	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW9052	SW95B	confidential	2009-09-11	2009-09-11	2009	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8857	SW85Y	confidential	2009-09-25	2009-09-25	2009	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8244	SW84H	confidential	2009-09-19	2009-09-19	2009	Bat Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8752	SW85R	confidential	2009-04-11	2009-04-11	2009	Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7544	SW74M	confidential	2007-08-23	2007-08-23	2007	Dead
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7544	SW74M	confidential	2007-08-23	2007-08-23	2007	Dead
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8358	SW85J	confidential	2007-07-14	2007-07-14	2007	Dead
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8646	SW84T	confidential	2007-06-01	2007-06-01	2007	Dung or other signs
Plecotus auritus	Brown Long-eared Bat	confidential	SW8140	SW84A	confidential	2007-08-15	2007-08-15	2007	Field Record
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7445	SW74M	confidential	2007-08-05	2007-08-05	2007	Dead
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7247	SW74I	confidential	2007-04-12	2007-04-12	2007	Dead
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8144	SW84C	confidential	2007-01-01	2007-12-31	2007	Bat Detected
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8140	SW84A	confidential	2007-08-04	2007-08-04	2007	Dung or other signs
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7542	SW74L	confidential	2007-03-20	2007-03-20	2007	Field record
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7240	SW74F	confidential	2007-04-13	2007-04-13	2007	Dung or other signs
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7542	SW74L	confidential	2007-07-02	2007-07-02	2007	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7249	SW74J	confidential	2007-11-30	2007-11-30	2007	Dung or other signs
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8447	SW84N	confidential	2007-03-01	2007-03-01	2007	Dung or other signs
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7239	SW73J	confidential	2007-06-08	2007-06-08	2007	Dung or other signs

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8356	SW85I	confidential	2007-11-23	2007-11-23	2007	Dung or other signs
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7746	SW74T	confidential	2007-11-09	2007-11-09	2007	Dung or other signs
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7542	SW74L	confidential	2007-05-01	2007-05-01	2007	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7540	SW74K	confidential	2007-05-03	2007-05-03	2007	Dung or other signs
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7439	SW73P	confidential	2007-04-16	2007-04-16	2007	Dung or other signs
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8144	SW84C	confidential	2007-06-05	2007-06-05	2007	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7750	SW75Q	confidential	2007-08-05	2007-08-05	2007	Dead
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8358	SW85J	confidential	2007-07-14	2007-07-14	2007	Dead
Plecotus auritus	Brown Long-Eared Bat	confidential	SW7353	SW75G	confidential	2007-12-30	2007-12-30	2007	Hibernating
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8045	SW84C	confidential	2007-10-28	2007-10-28	2007	Seen
Plecotus auritus	Brown Long-Eared Bat	confidential	SW6941	SW64V	confidential	2007-08-23	2007-08-23	2007	Dead
Plecotus auritus	Brown Long-Eared Bat	confidential	SW8247	SW84I	confidential	2007-10-28	2007-10-28	2007	Seen
Rhinolophidae	Horseshoe Bats	confidential	SW8145	SW84C	confidential	2011-07-05	2011-07-05	2011	Bat Roost
Rhinolophidae	Horseshoe Bats	confidential	SW8240	SW84F	confidential	2010-06-07	2010-06-07	2010	Bat Detected
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7451	SW75K	confidential	2013-09-10	2013-09-10	2013	Bat Roost
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7048	SW74E	confidential	2013-01-06	2013-01-06	2013	Bat Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7653	SW75R	confidential	2012-08-24	2012-08-24	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7654	SW75S	confidential	2012-02-29	2012-02-29	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7654	SW75S	confidential	2012-03-31	2012-03-31	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7654	SW75S	confidential	2012-08-19	2012-08-19	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7851	SW75V	confidential	2012-09-30	2012-09-30	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7851	SW75V	confidential	2012-10-03	2012-10-03	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7851	SW75V	confidential	2012-05-04	2012-05-04	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7851	SW75V	confidential	2012-07-25	2012-07-25	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7048	SW74E	confidential	2012-05-26	2012-05-26	2012	Bat Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7048	SW74E	confidential	2012-10-28	2012-10-28	2012	Bat Droppings
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7048	SW74E	confidential	2012-02-04	2012-02-04	2012	Bat Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7653	SW75R	confidential	2012-08-22	2012-08-22	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7745	SW74S	confidential	2012-09-03	2012-09-03	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7654	SW75S	confidential	2012-07-15	2012-07-15	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7653	SW75R	confidential	2012-05-01	2012-05-01	2012	Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7653	SW75R	confidential	2012-09-20	2012-09-20	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7653	SW75R	confidential	2012-09-24	2012-09-24	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7851	SW75V	confidential	2012-09-06	2012-09-06	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7851	SW75V	confidential	2012-07-02	2012-07-02	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7851	SW75V	confidential	2012-08-31	2012-08-31	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7851	SW75V	confidential	2012-09-28	2012-09-28	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7654	SW75S	confidential	2012-08-18	2012-08-18	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7654	SW75S	confidential	2012-08-20	2012-08-20	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7654	SW75S	confidential	2012-09-14	2012-09-14	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7851	SW75V	confidential	2012-09-05	2012-09-05	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7654	SW75S	confidential	2012-06-19	2012-06-19	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7851	SW75V	confidential	2012-10-01	2012-10-01	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7851	SW75V	confidential	2012-09-29	2012-09-29	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7048	SW74E	confidential	2012-06-10	2012-06-10	2012	Bat Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7653	SW75R	confidential	2012-09-21	2012-09-21	2012	Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7654	SW75S	confidential	2012-06-01	2012-06-01	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7654	SW75S	confidential	2012-06-19	2012-06-19	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7654	SW75S	confidential	2012-09-13	2012-09-13	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7851	SW75V	confidential	2012-09-04	2012-09-04	2012	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW8444	SW84M	confidential	2011-09-26	2011-09-26	2011	Bat Roost
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW6947	SW64Y	confidential	2011-08-15	2011-08-15	2011	Bat Roost
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW8050	SW85A	confidential	2011-06-16	2011-06-16	2011	Bat Detected
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7048	SW74E	confidential	2011-11-08	2011-11-08	2011	Bat Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7654	SW75S	confidential	2011-06-03	2011-06-03	2011	Bat Detected
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW8050	SW85A	confidential	2011-05-19	2011-05-19	2011	Bat Detected
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW8050	SW85A	confidential	2011-07-20	2011-07-20	2011	Bat Detected
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW8947	SW84Y	confidential	2011-09-24	2011-09-24	2011	Dead
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7654	SW75S	confidential	2011-03-11	2011-03-11	2011	Bat Detected
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7654	SW75S	confidential	2011-08-28	2011-08-28	2011	Bat Detected
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7654	SW75S	confidential	2011-08-16	2011-08-16	2011	Bat Detected

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7653	SW75R	confidential	2011-06-06	2011-06-06	2011	Bat Detected
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7653	SW75R	confidential	2011-06-03	2011-06-03	2011	Bat Detected
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW8148	SW84E	confidential	2011-08-19	2011-08-25	2011	Bat Roost
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7048	SW74E	confidential	2011-11-15	2011-11-15	2011	Bat Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7444	SW74M	confidential	2010-09-25	2010-09-25	2010	Bat Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW8154	SW85C	confidential	2009-01-15	2009-01-15	2009	Dung or other signs
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7151	SW75A	confidential	2009-01-27	2009-01-27	2009	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7944	SW74X	confidential	2009-10-22	2009-10-22	2009	Field record
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7151	SW75A	confidential	2009-03-22	2009-03-22	2009	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7653	SW75R	confidential	2009-03-29	2009-03-29	2009	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7048	SW74E	confidential	2009-03-14	2009-03-14	2009	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7048	SW74E	confidential	2009-05-29	2009-05-29	2009	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW8154	SW85C	confidential	2009-01-15	2009-01-15	2009	Dung or other signs
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7353	SW75G	confidential	2009-01-27	2009-01-27	2009	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7950	SW75V	confidential	2009-03-01	2009-03-01	2009	Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW8762	SW86R	confidential	2009-03-29	2009-03-29	2009	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7353	SW75G	confidential	2009-03-22	2009-03-22	2009	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7353	SW75G	confidential	2007-12-30	2007-12-30	2007	Hibernating
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7251	SW75F	confidential	2007-12-30	2007-12-30	2007	Hibernating
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW8144	SW84C	confidential	2007-01-01	2007-12-31	2007	Bat Detected
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW6843	SW64W	confidential	2007-06-19	2007-06-19	2007	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7251	SW75F	confidential	2007-01-07	2007-01-07	2007	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7251	SW75F	confidential	2007-03-04	2007-03-04	2007	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW8762	SW86R	confidential	2007-03-18	2007-03-18	2007	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7950	SW75V	confidential	2007-03-25	2007-03-25	2007	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7048	SW74E	confidential	2007-01-02	2007-01-02	2007	Seen
Rhinolophus ferrumequinum	Greater Horseshoe Bat	confidential	SW7353	SW75G	confidential	2007-01-07	2007-01-07	2007	Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7846	SW74Y	confidential	2013-03-20	2013-03-20	2013	Bat Roost
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7852	SW75W	confidential	2013-10-04	2013-10-04	2013	Bat Roost
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7447	SW74N	confidential	2013-05-23	2013-05-23	2013	Bat Roost

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7451	SW75K	confidential	2013-08-27	2013-08-27	2013	Bat Roost
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW8747	SW84T	confidential	2012-10-18	2012-10-18	2012	Bat Hibernacula
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7653	SW75R	confidential	2012-02-29	2012-02-29	2012	Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7851	SW75V	confidential	2012-09-04	2012-09-04	2012	Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7851	SW75V	confidential	2012-09-09	2012-09-09	2012	Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7048	SW74E	confidential	2012-11-24	2012-11-24	2012	Bat Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7048	SW74E	confidential	2012-04-24	2012-04-24	2012	Bat Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7653	SW75R	confidential	2012-03-01	2012-03-01	2012	Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7654	SW75S	confidential	2012-02-29	2012-02-29	2012	Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7048	SW74E	confidential	2012-10-28	2012-10-28	2012	Bat Droppings
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7048	SW74E	confidential	2012-01-22	2012-01-22	2012	Bat Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7653	SW75R	confidential	2012-09-19	2012-09-19	2012	Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7851	SW75V	confidential	2012-09-27	2012-09-27	2012	Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7851	SW75V	confidential	2012-05-04	2012-05-04	2012	Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW8050	SW85A	confidential	2011-05-19	2011-05-19	2011	Bat Detected

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7444	SW74M	confidential	2011-08-30	2011-08-30	2011	Bat Roost
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7444	SW74M	confidential	2011-09-26	2011-09-26	2011	Bat Roost
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7437	SW73N	confidential	2011-08-08	2011-08-08	2011	Bat Roost
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW8050	SW85A	confidential	2011-07-20	2011-07-20	2011	Bat Detected
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW8145	SW84C	confidential	2011-11-23	2011-11-23	2011	Bat Roost
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW8247	SW84I	confidential	2011-05-03	2011-05-03	2011	Bat Roost
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW8444	SW84M	confidential	2011-09-26	2011-09-26	2011	Bat Roost
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW8361	SW86F	confidential	2011-04-20	2011-04-20	2011	Bat Droppings
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7847	SW74Y	confidential	2011-10-27	2011-10-27	2011	Bat Roost
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW8046	SW84D	confidential	2011-09-14	2011-09-14	2011	Bat Droppings
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7444	SW74M	confidential	2011-07-06	2011-07-06	2011	Bat Roost
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7048	SW74E	confidential	2011-12-31	2011-12-31	2011	Bat Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW8050	SW85A	confidential	2011-06-16	2011-06-16	2011	Bat Detected
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7444	SW74M	confidential	2011-09-03	2011-09-03	2011	Bat Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW8654	SW85S	confidential	2011-10-07	2011-10-07	2011	Bat Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7654	SW75S	confidential	2011-05-10	2011-05-10	2011	Bat Detected
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7653	SW75R	confidential	2011-06-06	2011-06-06	2011	Bat Detected
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7940	SW74V	confidential	2011-10-03	2011-10-16	2011	Bat Detected
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7746	SW74T	confidential	2010-06-24	2010-06-24	2010	Bat Droppings
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW8240	SW84F	confidential	2010-06-07	2010-06-14	2010	Bat Detected
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW8240	SW84F	confidential	2010-04-14	2010-04-14	2010	Bat Droppings
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7950	SW75V	confidential	2009-03-01	2009-03-01	2009	Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7048	SW74E	confidential	2009-05-29	2009-05-29	2009	Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7151	SW75A	confidential	2009-01-27	2009-01-27	2009	Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW8762	SW86R	confidential	2009-03-29	2009-03-29	2009	Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7048	SW74E	confidential	2009-03-14	2009-03-14	2009	Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW8144	SW84C	confidential	2007-01-01	2007-12-31	2007	Bat Detected
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7540	SW74K	confidential	2007-05-03	2007-05-03	2007	Dung or other signs
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7048	SW74E	confidential	2007-01-02	2007-01-02	2007	Seen
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW8762	SW86R	confidential	2007-03-18	2007-03-18	2007	Seen

Scientific name	Vernacular name	Grid Reference	Assigned 1km	Assigned Tetrad	Location	Start Date	End Date	Year	Type
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7540	SW74K	confidential	2007-06-02	2007-06-02	2007	Dead
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7251	SW75F	confidential	2007-12-30	2007-12-30	2007	Hibernating
Rhinolophus hipposideros	Lesser Horseshoe Bat	confidential	SW7540	SW74K	confidential	2007-06-02	2007-06-02	2007	Dead

GROUND-BASED TREE ASSESSMENTS RAW DATA

Tree Number	Roosting Potential	Long	Lat	Date	Species	Age	Connective Habitat	PRF1	Aspect	Height	Notes	Limitations
T1	Low Potential	-5.16296	50.28089	19/04/2017 10:07	Hawthorn	Mature-mostly dead	Hedgerows	Wound	SW	1.5	Inspected from ground with torch. Leads up 5cm. Dry and clean	None
T10	Moderate Potential	-5.15561	50.28599	19/04/2017 13:08	Hornbeam	Mature	Line of trees	Wound	SW	50cm	20 cm vertical cavity, snails	None
T100	Low Potential	-5.0862	50.31634	25/04/2017 12:23	Beech	Mature	Woodland	Tear out	South west	4		None
T101	High Potential	-5.08614	50.31644	25/04/2017 12:47	Sweet chesnut	Semi mature	Woodland	Tear out	East	1		None
T102	Low Potential	-5.08621	50.31644	25/04/2017 12:35	Sweet chestnut	Mature	Woodland	Two knot holes	South east	5 and 6		None
T103	High Potential	-5.08594	50.31652	25/04/2017 13:00	Sweet chestnut	Semi mature	Woodland	Tear out	West	4.2	See climbing notes	None
T104	Low Potential	-5.08578	50.31663	25/04/2017 13:08	Holly	Mature	Woodland	Several knot holes	All	0.5 - 3	All shallow	None
T105	Moderate Potential	-5.08589	50.31675	25/04/2017 13:13	Sweet chestnut	Mature	Woodland	Hollow limb / dead	South	3m	Hollow tubular PRF	None
T106	Moderate Potential	-5.08168	50.31542	13/04/2016 16:01	Pendunculate oak	Mature	Hedgerow	Knot Hole				None
T107	Low Potential	-5.08109	50.31495	13/04/2016 15:37	Pendunculate oak	Mature	Hedgerow	Branch Cavity	West	2m	cavity extends 4 inches in.	None
T108	Low Potential	-5.08107	50.31488	13/04/2016 15:41	Pendunculate oak	Mature	Hedgerow	Knot Hole	North	1m	knot hole extends into trunk about 4 inches. cluttered drop zone	None
T109	High Potential	-5.08106	50.31543	13/04/2016 15:33	Pendunculate oak	Mature	Woodland	Knot Hole	West	8m	rot hole leading into branch and possibly trunk	None
T11	Moderate Potential	-5.15563	50.28593	19/04/2017 13:04	Sycamore	Mature	Line of trees	Branch cavity	South	2.5m	Branch cavity	None
T110	Low Potential	-5.08099	50.31567	13/04/2016 15:38	Pendunculate oak	Mature	Woodland	Knot Hole	North	4m	small rot hole on slim branch	observed from ground level only
T111	High Potential	-5.08087	50.316	13/04/2016 15:44	Pendunculate oak	Mature	Hedgerow		West	8m	I	observed from ground level

Tree Number	Roosting Potential	Long	Lat	Date	Species	Age	Connective Habitat	PRF1	Aspect	Height	Notes	Limitations
T112	Low Potential	-5.07966	50.32029	21/04/2017 09:12	Sycamore	Juvenile	Woodland	Tear out	East	1.5		None
T113	Low Potential	-5.07619	50.32274	21/04/2017 10:50	Oak	Mature	Hedge with ditch	Branch drop	South	1		None
T114	Moderate Potential	-5.07607	50.32275	21/04/2017 10:44	Oak	Mature	Hedge with ditch	Knot hole	South east	2.5		None
T115	Moderate Potential	-5.07587	50.32274	21/04/2017 10:55	Oak							None
T116	High Potential	-5.07562	50.32272	21/04/2017 11:04	Willow							None
T117	Low Potential	-5.07485	50.32267	21/04/2017 11:24	Oak	Mature	Hedgerow	Dead limb / tear out wound	East	3		None
T118	High Potential	-5.07021	50.32864	14/04/2016 14:15	Pendunculate oak	Mature	Tree Line	Trunk Cavity	North	from 1m up	Two large trees both hollow on inside	None
T119	High Potential	-5.07046	50.32876	14/04/2016 15:08	Beech	Mature	Tree Line	Trunk Cavity	East	4	Large hole	None
T12	Low Potential	-5.15545	50.28563	19/04/2017 13:14	Beech	Mature	Line of trees	Flush cut	NE	2.5	Small flush cut on branch small crevice 8cm deep	None
T120	High Potential	-5.07036	50.32885	14/04/2016 15:08	Ash	Mature	Hedgerow	Tear Out	South	4m	Extends 4 m high, lots of access points. may extend upwards.	None
T121	Moderate Potential	-5.07058	50.32883	14/04/2016 15:03	Sycamore	Mature	Tree Line	Branch Cavity	North-West	7		
T122	Moderate Potential	-5.07066	50.32887	14/04/2016 14:57	Sycamore	Mature	Tree Line	Knot Hole	East	4		None
T123	Low Potential	-5.07073	50.32892	14/04/2016 14:46	Beech	Mature	Tree Line	Tear Out	West	6	Broken branch possibly leading to cavity	None
T124	High Potential	-5.07078	50.32896	14/04/2016 14:40	Beech	Mature	Tree Line	Knot Hole	North	9	tree knot holes present	None
T125	High Potential	-5.07064	50.32907	14/04/2016 14:59	Ash	Mature	Hedgerow	Knot Hole	South	2.5m	entrance 5x7inc relatively exposed. may extend upwards	None
T126	High	-	50.32912	14/04/2016	Pendunculate	Mature	Tree Line	Knot Hole	North	5+	2 large rot holes-appear	observed from

Tree Number	Roosting Potential	Long	Lat	Date	Species	Age	Connective Habitat	PRF1	Aspect	Height	Notes	Limitations
	Potential	5.07078		14:26	oak						to be deep	ground only
T127	Moderate Potential	-5.07083	50.32923	14/04/2016 14:42	Sycamore	Semi-mature	Hedgerow	Tear Out	West	3m	access into thin trunk via prf. might be suitable for individual bats	None
T128	Moderate Potential	-5.07093	50.3293	14/04/2016 14:35	Ash (Fraxinus excelsior)	Mature	Hedgerow	Tear Out	South	4m	possibly extends upward. approximately 0.5 m in length, where a large branch has fallen	could not fully see
T129	Moderate Potential	-5.07108	50.32932	14/04/2016 14:21	Pendunculate oak	Mature	Tree Line	Knot Hole	West	2+	2rot holes	observed from ground only
T13	Low Potential	-5.15505	50.28585	19/04/2017 13:19	Sycamore	Mature	Line of trees	Flush cut	NW	3.8m	Can be inspected with a ladder	None
T130	Moderate Potential	-5.07116	50.32933	14/04/2016 14:26	Oak species	Mature	Hedgerow	Knot Hole	East	1.5m	extends inwards and upwards. though water marks present under feature	None
T131	Low Potential	-5.05632	50.33617	20/04/2017 14:19	Goat willow	Mature	Woodland and ponds	Hazard beam	North	2	Very tight	None
T132	Low Potential	-5.05618	50.33604		Goat willow	Mature	Woodland	Weld	North east and south west	1	Two large branches have rubbed together forming a shallow cavity	None
T133	Moderate Potential	-5.05621	50.33592	20/04/2017 14:39	Goat willow	Mature	Woodland	Helical split	East	90cm		Difficult to access.
T134	Low Potential	-5.05535	50.33513	20/04/2017 14:59	Oak	Mature	Woodland	Loose bark	South	3		Tree is dying and rotten
T135	Moderate Potential	-5.13314	50.29521					Please refer to aerial tree climbing survey.				Details noted within aerial tree climbing survey as undertaken at the same time
T136	Moderate Potential	-5.13262	50.29536		Beech							Please refer to aerial tree climbing survey, as was undertaken at the same time.
T137	High Potential	-5.13254	50.29532		Beech							please refer to aerial tree climbing survey. As undertaken at the

Tree Number	Roosting Potential	Long	Lat	Date	Species	Age	Connective Habitat	PRF1	Aspect	Height	Notes	Limitations
												same time.
T138	High Potential	-5.1325	50.29534		Beech							Please refer to aerial tree climbing surveys, as they were undertaken at the same time.
T139	Moderate Potential	-5.13256	50.29546		Beech							None
T14	Moderate Potential	-5.15493	50.28591	19/04/2017 13:31	Beech	Mature	Defunct hedge	Wound	West	2		Within 5m of A30
T140	Moderate Potential	-5.13232	50.29551		Hornbeam							please refer to aerial tree climbing survey as these were undertaken at the same time.
T141	High Potential	-5.13214	50.29547		Beech							Please refer to aerial tree climbing survey, as both were undertaken at the same time
T142	High Potential	-5.13202	50.29555		Beech							Please refer to aerial tree climbing surveys
T143	Confirmed Roost	-5.13156	50.29556		Beech	Dead						Please refer to aerial tree climbing survey, as undertaken at the same time
T144	Moderate Potential	-5.13155	50.29562		Beech							Please refer to aerial tree survey, as both were undertaken at the same time
T145	Moderate Potential	-5.13148	50.29561		Beech							Please refer to aerial tree climbing survey, as were undertaken at the same time
T146	High Potential	-5.09794	50.30636		Beech							Please refer to aerial tree survey, as both were undertaken at

Tree Number	Roosting Potential	Long	Lat	Date	Species	Age	Connective Habitat	PRF1	Aspect	Height	Notes	Limitations
												the same time.
T147	High Potential	-5.09802	50.30646		Ash							Please refer to aerial tree climbing survey, as were undertaken at the same time.
T148	High Potential	-5.09799	50.30667		Ash							Please refer to aerial tree climbing survey, as both were undertaken at the same time
T149	Moderate Potential	-5.09784	50.30668		Ash							Please refer to aerial tree climbing survey, as both were undertaken at the same time
T15	Moderate Potential	-5.15481	50.28598	19/04/2017 13:36	Ash	Dead	Line of trees	Knot hole	East	6	Inspected using a torch from the ground	Could not be climb due Tree fungus and proximity to A30.
T150	High Potential	-5.09785	50.30649									Please refer to aerial tree climbing survey as both were undertaken at the same time.
T151	Moderate Potential	-5.09743	50.30644		Sycamore							Please refer to aerial tree climbing survey, as were undertaken at the same time.
T152	Moderate Potential	-5.08666	50.31618		Sycamore							please refer to aerial tree climbing survey as was undertaken at the same time
T153	Low Potential	-5.09374	50.31399	14/04/2016 10:13	Pendunculate oak	Mature	Hedgerow	Fissure	North	3	crack is very small approximately 2 inches, on a branch.	None
T154	High Potential	-5.09361	50.31403	14/04/2016 10:09	Pendunculate oak	Mature	Tree Line	Knot Hole	South	4m	numerous throughout tree	no access to field side
T155	High Potential	-5.09336	50.31377	14/04/2016 10:17	Pendunculate oak	Mature	Hedgerow	Knot Hole	East	4	feature access into large branch. not sure if it	None

Tree Number	Roosting Potential	Long	Lat	Date	Species	Age	Connective Habitat	PRF1	Aspect	Height	Notes	Limitations
											extends upwards.	
T156	High Potential	-5.09319	50.3138	14/04/2016 10:13	Pendunculate oak	Mature	Tree Line	Knot Hole	North-West	3m		no access to field side
T157	Low Potential	-5.09324	50.31367	14/04/2016 10:25	Pendunculate oak	Mature	Hedgerow	Knot Hole	East	5 m	does not extend further than 3 inches. exposed	None
T158	Moderate Potential	-5.09307	50.31371	14/04/2016 10:17	Pendunculate oak	Mature	Tree Line	Tear Out	North-West	8m	branch broken at base and bark lifted	no access to field side
T159	Moderate Potential	-5.093	50.31368	14/04/2016 10:21	Pendunculate oak	Mature	Tree Line	Loose Bark	North	5m	Lifted bark on broken branches, may lead to internal cracks or cavity	no access to field side
T16	Moderate Potential	-5.13369	50.29504		Beech	Semi-mature	Woodland	Knot Hole	East	2m	5x10cm hole leading upwards, full extent could not be explored	None
T160	High Potential	-5.09295	50.31364	14/04/2016 10:25	Pendunculate oak	Mature	Tree Line	Knot Hole	North-West	5m	broken branch leads into branch cavity	no access to field side
T161	Low Potential	-5.13163	50.29564	26/04/2017 12:06	Beech	Semi mature	Woodland	Weld	Northwest	4		None
T17	Low Potential	-5.13343	50.29523	26/04/2017 15:33	Beech	Mature	Woodland	Wound	South	1.5		None
T18	Low Potential	-5.13254	50.29546	26/04/2017 13:51	Beech	Mature	Woodland	Knot hole	West	2m		None
T19	Low Potential	-5.13234	50.29545	26/04/2017 13:46	Beech	Mature	Woodland	Wound	West	2m		None
T2	Low Potential	-5.16161	50.28279	19/04/2017 09:55	Common hawthorn	Mature	Hedgerows	Knot hole	SW	2m	Small knot hole going in 6cm	None
T20	Low Potential	-5.13156	50.29566	26/04/2017 12:03	Beech	Semi-mature	Woodland	Branch snapped	North	1.6	Snapped branch with cavity shallow horizontal	None
T21	Low Potential	-5.1315	50.29564		Hornbeam	Semi mature	Woodland	Several knot holes	North east	1-2.5	Open and shallow inspected with torch and endoscope	None
T22	Moderate Potential	-5.13142	50.29571	24/04/2017 15:10	Beech	Mature	Woodland	Wound	East	2.3		None
T23	Moderate Potential	-5.13135	50.2957	24/04/2017 14:26	Sycamore	Partially dead / semi	Woodland	Stem cavity	South west	1.6m		None

Tree Number	Roosting Potential	Long	Lat	Date	Species	Age	Connective Habitat	PRF1	Aspect	Height	Notes	Limitations
						mature						
T24	High Potential	-5.13136	50.29572	24/04/2017 14:45	Sycamore	Mature	Woodland	Weld	South east	3m		None
T25	Confirmed Roost	-5.13134	50.2956	19/04/2017 14:51	Beech	Semi mature	Woodland	Helical split	South east	2.5	A single Long eared bat sp.	None
T26	High Potential	-5.13125	50.29563	24/04/2017 14:09	Beech	Mature	Woodland	Wound/ stem cavity	South west	2.3m		None
T27	Confirmed Roost	-5.13116	50.29553	12/04/2016 11:57	Beech	Semi-mature	Woodland	Trunk Cavity	South-West	ground to 5m Entrance ~2.5 m	Natterers roosting x1 in westerly branch. hollow trunk leading up to hollow in branch	observed from ground
T28	Low Potential	-5.13117	50.29565	24/04/2017 13:03	Beech	Semi mature	Woodland	Wound	South west	5.5		Unsafe to climb
T29	Low Potential	-5.13113	50.29567	24/04/2017 12:54	Beech	Mature	Woodland	Wound	West	3m	Very shallow	None
T3	Moderate Potential	-5.16148	50.28294	19/04/2017 10:05	Goat willlow	Mature	Hedgerow	Knot hole	West	1.8	Major woodlice. Leads back 6cm	None
T30	Moderate Potential	-5.13108	50.29562	24/04/2017 13:15	Beech	Semi Mature	Woodland	Wound	North	5		None
T31	Low Potential	-5.13099	50.29558	24/04/2017 12:55	Beech	Semi mature	Woodland	Wound	South east	0.5m		None
T32	Low Potential	-5.13089	50.29559	24/04/2017 12:23	Beech	Semi mature	Woodland	Wound	South	2m		None
T33	Moderate Potential	-5.13091	50.29565	24/04/2017 12:11	Beech	Semi mature	Woodland	Wound	South west	4.4m		None
T34	Low Potential	-5.13093	50.29572	24/04/2017 12:00	Beech	Mature	Woodland	Weld	North west	4m	Very shallow prf	None
T35	High Potential	-5.13066	50.29564	19/04/2017 14:27	Beech	Mature	Woodland	Wound	South	1.2	Within fork or the tree	None
T36	Confirmed Roost	-5.13064	50.29562	19/04/2017 14:09	Dead	Dead	Woodland	Wound	West	2.3	Natterer's bat present during the April survey.	None
T37	Moderate Potential	-5.13045	50.29577	24/04/2017 11:45	Beech	Mature	Woodland	Knot hole	South	2.5m		None

Tree Number	Roosting Potential	Long	Lat	Date	Species	Age	Connective Habitat	PRF1	Aspect	Height	Notes	Limitations
T38	High Potential	-5.13064	50.29557	12/04/2016 12:46	Beech	Mature	Woodland	Occlusion / Heartwood	North	3		None
T39	Low Potential	-5.12948	50.29629	12/04/2016 15:42	Other	Dead	Woodland	Small fissure in trunk.	eastern	1.5 m		None
T4	Moderate Potential	-5.16133	50.28336	19/04/2017 10:41	Ash	Mature pollard	Hedgerow	Basal cavity	North	0-1.5m		None
T40	Low Potential	-5.12832	50.29659	12/04/2016 15:36	Ash	Mature	Woodland	Ivy	All	all over up to 5 cm thick		None
T41	Low Potential	-5.12884	50.29694	12/04/2016 10:20	Spruce	Mature	Hedgerow	n/a	n/a			None
T42	Low Potential	-5.12899	50.29726	12/04/2016 10:19	Other	Mature	Hedgerow	Knot Hole	South	15m		None
T43	Low Potential	-5.10483	50.30404	12/04/2016 10:40	Ash	Mature	Hedgerow					None
T44	Low Potential	-5.10346	50.30406	27/09/2017 08:51	Ash	Mature	Hedgerow	Branch split. Vertical facing up. Exposed	South	5		None
T45	Low Potential	-5.1029	50.30381	13/04/2016 10:02	Ash	Mature	Hedgerow	Weld	South-West	2m		none
T46	Low Potential	-5.09989	50.30486	13/04/2016 09:57	Alder	Semi-mature	Hedgerow	Tear Out	South	3m	Broken branch- too exposed to have bat potential	access only allows view from one side
T47	Moderate Potential	-5.09822	50.30633	13/04/2016 13:14	Ash	Semi-mature	Woodland	WP Hole	South	5m	Looks exposed at the top.	None
T48	Moderate Potential	-5.09825	50.30641	13/04/2016 13:22	Beech	Mature	Woodland	Trunk Cavity	South	1.2	fully checked	None
T49	Low Potential	-5.09796	50.30643	13/04/2016 13:09	Beech	Semi-mature	Woodland	Trunk Cavity	North	<1m	access to cavity within trunk	None
T5	Moderate Potential	-5.16168	50.28368		Sycamore	Semi mature	Hedgerow	Knot hole	North	2.5m		None
T50	Low Potential	-5.098	50.30654	13/04/2016 13:17	Beech	Mature	Woodland	Knot Hole	South	4m	rot hole going down into branch	observation from ground only
T51	Low Potential	-5.09783	50.30653	13/04/2016 13:29	Beech	Mature	Woodland	Knot Hole	South-West	6m	a couple of large holes leading into branch	None

Tree Number	Roosting Potential	Long	Lat	Date	Species	Age	Connective Habitat	PRF1	Aspect	Height	Notes	Limitations
T52	Low Potential	-5.09792	50.3068	13/04/2016 13:32	Ash	Mature	Woodland	Knot Hole	South	2.3m	Extends into trunk. entrance 5 inches	None
T53	Low Potential	-5.09778	50.30666	13/04/2016 13:34	Beech	Mature	Woodland	Trunk Cavity	East	<1m	cavity leads upwards, but can see the end of feature, so only suitable for individual.	None
T54	Low Potential	-5.09759	50.30649	13/04/2016 13:41	Sycamore	Semi-mature	Woodland		West	2m		None
T55	Moderate Potential	-5.09729	50.30651	13/04/2016 13:40	Beech	Mature	Woodland	Knot Hole	North-East	6m	20x20cm hole leading into cavity in branch	None
T56	High Potential	-5.09715	50.30642	13/04/2016 13:44	Ash	Mature	Woodland	Knot Hole	South	2.5	very open and exposed	None
T57	Moderate Potential	-5.0964	50.30785		Oak sp	Mature	Hedgerow	Knot hole	South east	3		None
T58	Moderate Potential	-5.09612	50.30774	20/04/2017 12:50	Oak	Mature	Hedge	Hazard beam	South west	3.5		None
T59	Moderate Potential	-5.09609	50.3077	20/04/2017 12:36	Oak	Mature	Hedgerow	Knot hole	East	3	Small knot hole	None
T6	Moderate Potential	-5.16175	50.28358	19/04/2017 11:12	Sycamore	Mature	Defunct hedge	Knot hole	South	3.5	Shallow PRF	None
T60	Low Potential	-5.09633	50.30824	20/04/2017 12:22	Oak	Mature	Hedgerow	Branch split	East	3.5		None
T61	Moderate Potential	-5.09601	50.30962	14/04/2016 09:50	Pendunculate oak	Dead	Hedgerow	Other			dead tree. could not access at the time so moderate potential as a precaution.	None
T62	Low Potential	-5.09181	50.31033	14/04/2016 08:35	Ash	Mature	Hedgerow	Branch Cavity	West	8m	approximately half meter area of bark- possibly old wound- is missing-may lead up to suitable cavity space	None
T63	Low Potential	-5.09191	50.31047	14/04/2016 08:40	Pendunculate oak	Mature	Hedgerow	Ivy	North	all over tree	Dense ivy cover may provide suitable roosting/tree is of a size and age where suitable features may be hidden	None

Tree Number	Roosting Potential	Long	Lat	Date	Species	Age	Connective Habitat	PRF1	Aspect	Height	Notes	Limitations
T64	Low Potential	-5.09215	50.31044	14/04/2016 08:46	Pendunculate oak	Mature	Hedgerow	Knot Hole	South-West	3	blind ending. only suitable for individual bats although unlikely	None
T65	Low Potential	-5.09225	50.31058	14/04/2016 08:46	Pendunculate oak (Quercus robur)	Mature	Hedgerow	Branch Cavity	South	10m	Broken branches present-may lead to cavities	None
T66	High Potential	-5.09253	50.31077	14/04/2016 09:16	Ash	Mature	Hedgerow	Knot Hole	East	8m	a number of rot holes in branches	None
T67	Low Potential	-5.09153	50.31066	14/04/2016 09:14	Pendunculate oak	Mature	Hedgerow	Ivy	All	all over	no obvious potential but no possible to see	None
T68	Moderate Potential	-5.0921	50.31098	14/04/2016 09:07	Ash	Mature	Hedgerow	Knot Hole	South-West	4m	Downwards knot hole. not possible to see how far it extends into trunk	None
T69	Moderate Potential	-5.09251	50.31122	14/04/2016 09:03	Sycamore	Mature	Hedgerow	Bird Box	West	3		None
T7	Low Potential	-5.16182	50.28342		Sycamore	Mature	Hedgerow	Tear out	North	6		None
T70	Low Potential	-5.09233	50.3118	14/04/2016 09:39	Pendunculate oak	Mature	Hedgerow	n/a			could not fully access tree. no access. but tree is of the size and type to offer pfr.	None
T71	High Potential	-5.09277	50.3134	14/04/2016 10:30	Pendunculate oak	Mature	Hedgerow	Knot Hole	South	4	extends upwards into trunk.	None
T72	Moderate Potential	-5.09262	50.31338	14/04/2016 10:28	Pendunculate oak	Mature	Tree Line	Knot Hole	South-East	4m	small hole allowing access to tree - unable to determine how deep	None
T73	High Potential	-5.09201	50.31265	14/04/2016 10:36	Pendunculate oak	Mature	Tree Line	Tear Out	South	5m	branch broken at base-may lead into trunk cavity	no access to field side
T74	Moderate Potential	-5.09104	50.31218	13/04/2016 14:45	Ash	Mature	Hedgerow	Tear Out	South	1m	Extends into the trunk but is blind ended	None
T75	High Potential	-5.09024	50.31176	13/04/2016 14:46	Sycamore	Mature	Hedgerow	Knot Hole	South-East	10m	20x20 cm hole leading into top of trunk	observation from ground only
T76	High Potential	-5.08861	50.31482	14/04/2016 10:59	Pine	Mature	Woodland	Loose Bark	All	all over		tree is >20m so could not assess all of the tree. view

Tree Number	Roosting Potential	Long	Lat	Date	Species	Age	Connective Habitat	PRF1	Aspect	Height	Notes	Limitations
												restricted by surrounding vegetation
T77	High Potential	-5.08831	50.31551	14/04/2016 11:14	Sycamore	Mature	Woodland	Trunk Cavity	East	2m	cavity running deep up into tree trunk	None
T78	High Potential	-5.08809	50.31566	14/04/2016 11:24	Pendunculate oak	Dead	Woodland	Trunk Cavity	West	from ground running up	a number of large splits running up onto tree	None
T79	High Potential	-5.08801	50.31554	14/04/2016 10:58	Ash	Mature	Woodland	Knot Hole	South	9m		None
T8	High Potential	-5.1552	50.28613	19/04/2017 12:33	Holm oak	Mature	Hedgerow	Numerous flush cuts, fluting, knot holes	All			None
T80	High Potential	-5.08799	50.31552	14/04/2016 11:13	Other	Mature	Woodland	Occlusion / Heartwood	South	2m	extends up to 30 cm upwards.	Holme oak
T81	Moderate Potential	-5.08803	50.31583	14/04/2016 11:28	Sycamore	Semi-mature	Woodland	Trunk Cavity	West	ground upwards	relatively small cavity running up trunk x2	None
T82	High Potential	-5.08787	50.31563	14/04/2016 11:32	Sycamore	Semi-mature	Woodland	Flush Cut	All		group of 10 sycamores all have features suitable for low numbers of bats	None
T83	Moderate Potential	-5.08777	50.31547	14/04/2016 11:23	Beech	Mature	Woodland	Knot Hole	South	4 m	Extends into branch. Can't see the end but assume that it is not far, as branch is slim	
T84	High Potential	-5.08773	50.31556	14/04/2016 11:03	Other	Mature	Woodland	Trunk Cavity	North	from ground height throughout tree		None
T85	High Potential	-5.08777	50.31575	14/04/2016 11:09	Sycamore	Mature	Woodland	Trunk Cavity	West	1m	inspected with torch-long cavity running up inside of tree	None
T86	Moderate Potential	-5.0877	50.31585	14/04/2016 11:43	Other	Mature	Woodland	Tear Out	South	1.5	does not extend far into tree	Holme oak DHB 2
T87	High Potential	-5.08766	50.31596	14/04/2016 11:38	Sycamore	Semi-mature	Woodland	Trunk Cavity	North-East	3m	cavity leading up into trunk	None
T88	Low	-	50.31621	25/04/2017	Holly	Mature	Woodland	Limb drop	North west	3.8	Limited shelter under	None

Tree Number	Roosting Potential	Long	Lat	Date	Species	Age	Connective Habitat	PRF1	Aspect	Height	Notes	Limitations
	Potential	5.08719		09:48							reaction wood	
T89	Low Potential	-5.08709	50.31612	25/04/2017 09:44	Beech	Mature	Woodland	Knot hole	North west	6m	On stem shallow	None
T9	Moderate Potential	-5.15553	50.2861	19/04/2017 12:55	Sycamore	Mature	Line of trees	Knot hole	N/a has face upwards	3.5		None
T90	Low Potential	-5.08706	50.31598	25/04/2017 09:41	Unknown	Semi mature	Woodland	Numerous knot holes	All	01-Jun		None
T91	Low Potential	-5.08699	50.31615	25/04/2017 09:51	Sycamore	Mature	Woodland	Several knot holes	All	01-Oct	All shallow and go nowhere	None
T92	Moderate Potential	-5.08674	50.31628	25/04/2017 10:12	Sycamore	Mature	Woodland	Knot hole	South	6.5		None
T93	Low Potential	-5.08671	50.31607	25/04/2017 11:40	Oak	Mature	Woodland	Knot hole	South	4.5	Large knot hole open and exposed	None
T94	Moderate Potential	-5.08665	50.31636	25/04/2017 10:54	Holm oak	Mature	Woodland	Double leader	None	2		None
T95	Moderate Potential	-5.08685	50.31622	25/04/2017 10:06	Sycamore	Sapling	Woodland	Knot hole	East	2.2		None
T96	Moderate Potential	-5.08658	50.31615		Oak	Mature	Woodland					None
T97	Moderate Potential	-5.08657	50.3163	25/04/2017 11:54	Oak	Semi mature	Woodland	Knot hole	North	7		None
T98	High Potential	-5.08656	50.31638	25/04/2017 12:06	Beech	Mature	Woodland	Tearout	South east	8		None
T99	High Potential	-5.08639	50.31623	25/04/2017 11:43	Sycamore	Semi mature	Woodland	See aerial notes				None

AERIAL TREE ASSESSMENTS RAW DATA:- DESCRIPTION OF PRFS

New Tree ID	Tree Species	PRF Description	PRF Aspect	PRF Height (m)	PRF location on tree	PRF Entrance	PRF Internal Aspect	PRF Entrance Height (cm)	PRF Entrance Width (cm)	PRF Internal Size (cm2)	PRF Substrate Conditions	PRF Humidity	PRF Dominant Species/ Competitors	PRF fully inspected?	PRF Suitability	PRF Notes
T101	Sweet chestnut	Tear Out	East	1	Stem	Horizontal	Vert Up	60	4	35	Rough	Dry	None	100%	High	<Null>
T103	Sweet chestnut	Tear Out	East	4.5	Stem	Horizontal	Vert Up	30	5	12	Smooth	Dry	Minor Slugs	100%	High	<Null>
T105	Sweet chestnut	Branch Cavity	South	2	Limb	Horizontal	Vert Up	30	3	Up 30cm	Dusty, smooth	Dry	None	100%	Moderate	Lower section of dead limb. Has secondary egress point above, and may be prone to rain, but otherwise good. Higher prf on same limb does not lead very far
T114	Pendunculate oak	Knot Hole	South-east	2.5	Stem	Horizontal	Vert Up	5	4	6	Smooth and clean	Dry	Minor Woodlice	100%	Moderate	<Null>
T115	Pendunculate oak	Knot Hole	West	4	Stem	Diag Up	Horizontal	20	12	8	Rough and dirty	Damp	Minor Woodlice	100%	Low	<Null>
T116	Willow sp	Knot Hole	South	2.5	<Null>	Horizontal	Vert Up	15	Three entrances 6	Y shaped 30cm	Rough	Dry	Bird Nesting Material	100%	Moderate	Active birds nest. Y shaped feature with three access points
T116	Willow sp	Tear Out	South	2.8	Limb	Horizontal	Diag Up	5	15	20	Bumpy	Dry	None	100%	Moderate	<Null>
T116	Willow sp	Knot Hole	South	2.5	Stem	Horizontal	Horizontal	15	15	4	Rough	Dry	None	100%	Low	<Null>
T124	Beech	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
T124	Beech	Weld	South	10m	Limb	Horizontal	Diag Up	15cm	2cm	Unknown	Very dry and smooth	Dry	None	10%	Moderate	Cavity too tight for endoscope inspection
T124	Beech	Knot Hole	South	6m	Limb	Diag Up	Diag Up	35cm	15cm	1m	Dry and damp	Dry	Minor Cobwebs	90%	High	Nesting material as well, cavity also go down 1m
T124	Beech	Wound / Canker	East	7m	Stem	Diag Up	Diag Up	20	5	50cm	Smooth	Dry	Minor Woodlice	80%	High	<Null>
T124	Beech	Knot Hole	East	2m	Limb	Horizontal	Diag Up	5	4	35 up 25 down	Minor snails, smooth	Dry	Minor Woodlice	100%	Moderate	<Null>
T124	Beech	Tear Out	South-west	2	Buttress	Horizontal	Diag Up	50	25	2m +	Rough and smoot with ridges. Hibernation potential	Damp	Bird Nesting Material	70%	High	Very large cavity in trunk. Two cavities leading off each other
T125	Ash	Wound / Canker	West	7	Stem	Vert Up	Vert Up	32	12	20	Rough	Damp	Major Woodlice	100%	Moderate	<Null>
T125	Ash	Knot Hole	West	4	Stem	Horizontal	Horizontal	8	8	20	Rough lots debris	Damp	None	100%	Low	<Null>
T126	Pendunculate oak	Knot Hole	North-west	4	Stem	Horizontal	N/A	30	30	Na	Rough	Dry	None	100%	Negligible	Knot hole isn't a feature upon aerial inspection
T126	Pendunculate oak	Knot Hole	West	6	Stem	Horizontal	N/A	15	15	NA	Rough	Dry	None	100%	Negligible	<Null>

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T126	Pendunculate oak	Knot Hole	West	8.5	Limb	Horizontal	Horizontal	5	5	5	Smooth	Damp	Minor Slugs	100%	Negligible	<Null>
T127	Sycamore	Wound / Canker	West	4	Limb	Diag Down	Diag Up	70	7	15	Rough	Damp	Major Fungus	100%	Low	<Null>
T127	Sycamore	Wound / Canker	South-west	4	Stem	Horizontal	Vert Up	22	6	5	Rough	Damp	Minor Slugs	100%	Low	<Null>
T128	Ash	Tear Out	South	6.5	Stem	Horizontal	Vert Down	130	25	Down 40cm.	Smooth and bobbly	Dry	Squirrel Drey	100%	Negligible	<Null>
T129	Oak species	Knot Hole	South	2.2	Stem	Horizontal	Horizontal	12	10	Back 15	Rough	Wet	None	100%	Negligible	<Null>
T129	Oak species	Knot Hole	South-east	5.5	Stem	Horizontal	Diag Down	6	6	Back and down 5cm	Bobbly	Damp	None	100%	Negligible	<Null>
T130	Oak species	Tear Out	North-west	3	Stem	Horizontal	N/A	20	20	Doesn't go anywhere	Slimy	Wet	None	100%	Negligible	<Null>
T130	Oak species	Knot Hole	North-east	1.5	Buttress	Horizontal	Horizontal	15	20	45	Rough	Wet	Minor Woodlice	100%	Low	<Null>
T136	Beech	Trunk Cavity	North	0.7	Stem	Horizontal	Vert Up	25	4	12	Bumpy	Dry	Minor Woodlice	100%	Moderate	<Null>
T137	Beech	Wound / Canker	West	1.7	Stem	Diag Up	Diag Up	25	8	35cm up	Sludgy in part, smooth	Damp	Minor Slugs	100%	High	<Null>
T138	Beech	Weld	West	4	Stem	Diag Up	Diag Up	15	2	Up 40cm	Smooth, rough clean	Dry	None	100%	High	<Null>
T138	Beech	Wound / Canker	North-west	4.3	Stem	Horizontal	Vert Up	20	8	Up 8cm	Rough, clean	Damp	Major Woodlice	100%	Moderate	This feature is on a different tree to the weld, but they are immediately adjacent.
T139	Beech	Wound / Canker	North	6	Limb	Diag Up	Diag Up	5	4	8	Smooth	Dry	None	100%	Moderate	<Null>
T139	Beech	Wound / Canker	West	6	Limb	Diag Up	Diag Up	5	6	8	Smooth	Dry	Minor Woodlice	100%	Moderate	<Null>
T139	Beech	Wound / Canker	South	4.5	Limb	Horizontal	Diag Up	25	6	12	Smooth	Dry	Minor Woodlice	100%	Moderate	<Null>
T139	Beech	Wound / Canker	North-west	3	Limb	Horizontal	Vert Up	3	3	12	Smooth	Dry	Minor Woodlice	100%	Moderate	<Null>
T140	Hornbeam	Weld	North	4.5	Limb	Horizontal	Diag Up	5	2	Up 12cm	Smooth, clean	Dry	None	100%	Moderate	<Null>
T141	Beech	Wound / Canker	North-west	4	Stem	Horizontal	Vert Up	35	5	50cm up	Rough, clean	Dry	None	100%	High	<Null>
T142	Beech	Butt Rot	South-east	0.4	Stem	Horizontal	Vert Up	40	15	40cm up	Dirty, rough	Damp	None	100%	Moderate	Can be checked from the ground with an endoscope
T143	Beech	Tear Out	North-west	2	Stem	Diag Up	Diag Up	30	4	Unknown as bat present	Smooth	Dry	None	70%	Confirmed	Single Natterer's bat recorded during the April survey repeat
T144	Beech	Knot Hole	South-	4	Stem	Horizontal	Vert Up	10	5	12	Smooth	Dry	Minor	100%	Moderate	<Null>

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			west										Woodlice			
T144	Beech	Tear Out	South	7	Limb	Horizontal	Vert Up	40	7	3	Rough	Dry	None	100%	Low	<Null>
T144	<Null>	Wound / Canker	<Null>	1.1	Stem	Horizontal	Vert Up	8	4	4 by 14	Dirty bumpy	Damp	Minor Slugs	100%	Moderate	<Null>
T145	Beech	Knot Hole	North-west	1.5	Stem	Horizontal	Vert Up	30	4	5	Smooth	Dry	None	100%	Moderate	Inspected with endoscope
T146	Beech	Weld	East	6.5	Stem	Horizontal	Vert Up	30	5	Up 60cm	Smooth, clean	Dry	Minor Woodlice	100%	High	2 stems fused together. Several egress points present on the weld
T146	Beech (Fagus sylvatica)	Knot Hole	West	1	Buttress	Horizontal	Vert Up	12	8	Back 15 up 6	Rough, smooth on the vertical	Damp	Minor Slugs	100%	Low	<Null>
T147	Ash	Tear Out	West	0.3 -1	Stem	Horizontal	Diag Up	70	10	80	Rough	Dry	None	100%	High	Features goes up and down into. Hollow base
T147	Ash	Branch Cavity	West	3.5	Limb	Diag Up	Diag Up	5	8	10	Smooth	Dry	None	100%	Moderate	<Null>
T148	Ash	Woodpecker Hole	North	2	Stem	Horizontal	Vert Up	4	4	40cm up	Bumpy	Dry	Minor Woodlice	100%	High	Endoscope from a ladde
T149	Ash	Wound / Canker	East	0-0.8	Stem	Diag Up	Diag Up	80	15	60	Rough	Damp	Minor Woodlice	100%	Moderate	<Null>
T150	Sycamore	Wound / Canker	East	3.5	Stem	Horizontal	Vert Up	10	8	50	Bumpy	Dry	Bird Droppings	100%	High	<Null>
T150	Sycamore	Tear Out	West	2.5	Stem	Horizontal	Vert Up	15	5	10	Smooth and round	Dry	None	100%	Moderate	<Null>
T151	Sycamore	Tear Out	West	0	Stem	Horizontal	Vert Up	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	100%	<Null>	<Null>
T152	Sycamore	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
T152	Sycamore	Knot Hole	South-east	3	Stem	Horizontal	Diag Up	6	3	7	Smooth	Dry	None	100%	Moderate	<Null>
T22	Beech	Wound / Canker	East	3	Stem	Horizontal	Vert Up	30	3	Up 12cm	Clean, bumpy	Dry	None	100%	Moderate	Secondary egress on west aspect leads into same prf
T22	Beech	Knot Hole	South-west	2.2	Stem	Horizontal	Horizontal	4	3	Back 4cm	Bumpy, debris	Damp	Minor Woodlice	100%	Low	<Null>
T23	Sycamore	Trunk Cavity	South-west	1.6	Stem	Diag Up	Diag Up	150	12	Up 16cm	Smooth, blackened	Dry	Other (please specify in 'Notes')	100%	Moderate	Major snails
T24	Beech	Weld	South-east	3.5	Limb	Horizontal	Diag Up	12	3	Up 12cm	Bumpy, clean	Dry	Major Woodlice	100%	Moderate	Snails also present
T24	Beech	Knot Hole	South-west	3	Limb	Horizontal	Vert Up	5	8	Up 4cm	Clean, bumpy	Dry	<Null>	100%	Low	Small amount of shelter
T25	Beech)	Fissure / Frost Crack / Desiccation	South-east	2.5	Stem	Horizontal	Vert Up	250	12	90cm up	Smooth, clean	Dry	Minor Woodlice	100%	Confirmed	A single Long eared bat sp.

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T26	Beech	Wound / Canker	South-west	2.3	Stem	Diag Up	Diag Up	50	10	Up 30cm	Smooth, clean	Dry	Major Woodlice	100%	High	<Null>
T26	Beech	Wound / Canker	North-west	2	Stem	Horizontal	Vert Up	20	5	Up 4cm	Bumpy, clean	Dry	Other (please specify in 'Notes')	100%	Moderate	Minor snails
T3	Willow sp	Knot Hole	West	1.8	Limb	Diag Up	Horizontal	4	3	6cm back	Dry and smooth	Dry	Major Woodlice	100%	Low	<Null>
T3	Willow sp	Knot Hole	West	1.8	Limb	Horizontal	Horizontal	2	3	Back 5 cm	Smooth	Dry	Major Woodlice	100%	Low	<Null>
T3	Willow sp	Knot Hole	West	2.5	Limb	Horizontal	Horizontal	4	3	At least 15cm back	Smooth, clean	Dry	Minor Woodlice	70%	Moderate	Secure, dry and clean with decent crevice in hollow limb
T3	Willow sp	Wound / Canker	West	2.5	Stem	Horizontal	Horizontal	6	3	Back 6cm	Bobbly	Dry	None	100%	Low	<Null>
T3	Willow sp	Tear Out	West	1.7	Limb	Diag Down	Horizontal	12	2	Back 4cm	Bobbly	Dry	Major Woodlice	100%	Low	<Null>
T30	Beech	Wound / Canker	North	5	Stem	Horizontal	Vert Up	25	12	Up 8 cm	Smooth, clean	Dry	Minor Woodlice	100%	Moderate	Need small endoscope head
T30	Beech	Wound / Canker	North-east	2.5	Stem	Horizontal	Diag Up	5	6	Back 4cm	Rough, debris	Dry	None	100%	Low	<Null>
T33	Beech	Wound / Canker	South-west	4.4	Stem	Horizontal	Vert Up	8	3	Up 8cm	Smooth	Dry	Minor Woodlice	100%	Moderate	Need narrow endoscope head
T35	Beech	Wound / Canker	South	1.2	Stem	Horizontal	Vert Up	8	4	Up 80cm	Smooth	Dry	None	100%	High	<Null>
T36	Beech	Wound / Canker	North-west	2.3	Stem	Horizontal	Vert Up	35	3	Minimum 8cm. Bat	Smooth, clean	Dry	None	80%	Confirmed	Natterer's bat present (single)
T36	Beech	Wound / Canker	South-west	1	Stem	Horizontal	Vert Up	12	3	8 up	Smooth	Dry	Other (please specify in 'Notes')	100%	Moderate	<Null>
T36	Beech	Wound / Canker	West	0.7	Stem	Horizontal	Vert Up	12	8	35cm up	Clean, smooth	Dry	Other (please specify in 'Notes')	100%	High	Snails
T37	Beech	Knot Hole	South	2.5	Stem	Horizontal	Vert Up	8	12	Up 3cm	Bumpy, clean	Dry	None	100%	Moderate	Limited shelter but suitable for 1 bat
T4	Ash (Fraxinus excelsior)	Trunk Cavity	North	0-1.5 m	Buttress	Horizontal	Diag Up	90cm	40cm	Large hollow 1.5 m	Smooth	Dry	None	100%	Low	Large hollow trunk however very exposed to predators. Also fly zone would be very cluttered in summer. Several access points at top making it exposed
T47	Ash	Woodpecker feeding hole	North-east	6	Stem	Horizontal	N/A	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
T47	Ash	Woodpecker	South-	6	Stem	Horizontal	Vert Up	8	5	60	Smooth and	Dry	Feathers	100%	High	Also has two other entrances via knot

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		Hole	east								clean					holes for the same feature
T48	Beech	Knot Hole	South	1	Stem	Horizontal	Vert Up	30	10	90	Smooth	Damp	Minor Slugs	100%	<Null>	<Null>
T5	Sycamore (Acer pseudoplatanus)	Knot Hole	North	2.5	Stem	Horizontal	Diag Down	5	4	5	Rough	Dry	None	100%	Low	<Null>
T55	Beech	Branch Cavity	North-east	2.5	Limb	Horizontal	Horizontal	20	20	10	Open rough	Damp	Minor Woodlice	100%	Low	<Null>
T56	Ash	Knot Hole	East	3	Stem	Horizontal	Diag Up	20	12	30	Smooth and bumpy clean	Dry	Feathers	70%	High	<Null>
T56	Ash	Knot Hole	South-east	2.5	Stem	Horizontal	Vert Up	28	25	40 back 10 up	Rough	Dry	Major Cobwebs	100%	Moderate	Has second access via smaller knot hole above links
T56	Ash	Tear Out	North	6.5	Limb	Horizontal	Vert Up	1m	20	30	Bumpy and debris	Damp	Major Woodlice	100%	Moderate	<Null>
T56	Ash	Hazard Beam	North	12	Limb	Horizontal	Diag Up	8	50	35	Debris bumpy	Dry	Minor Woodlice	100%	High	<Null>
T57	Oak species	Knot Hole	South-east	3	Limb	Horizontal	Horizontal	3	4	Back 20cm	Bumpy	Damp	Minor Woodlice	100%	Moderate	<Null>
T58	Oak species	Hazard Beam	South-west	3.5	Limb	Diag Up	Horizontal	2	20	15	Rough	Dry	None	100%	Low	<Null>
T59	Pendunculate oak	Knot Hole	East	3	Limb	Horizontal	Horizontal	5	5	15	Smooth	Dry	Minor Woodlice	100%	Moderate	<Null>
T59	Pendunculate oak	Branch Cavity	East	3	Limb	Horizontal	Horizontal	5	20	3	Rough	Dry	Minor Slugs	100%	Low	<Null>
T59	Pendunculate oak	Hazard Beam	West	3.2	Limb	Horizontal	Vert Down	2	20	20	Smooth	Dry	Minor Woodlice	100%	Moderate	<Null>
T6	Sycamore	Knot Hole	South-west	3.7	Stem	Horizontal	Vert Up	7	7	Up 15cm	Clean, smooth	Dry	Minor Woodlice	100%	Moderate	<Null>
T66	Ash	Knot Hole	All	6	Limb	Horizontal	Horizontal	5	5	5	Bumpy	Dry	None	100%	Low	Several small knots on limb all low to negligible
T68	Ash	Knot Hole	South	4	Limb	Horizontal	Diag Down	5	5	15 cm back	Smooth, clean	Dry	Major Woodlice	100%	Moderate	<Null>
T69	Sycamore	Bird Box	West	4	Stem	Horizontal	Horizontal	4	4	20	Bird box	Dry	Bird Droppings	100%	Moderate	<Null>
T74	Ash	Butt Rot	South-east	1	Buttress	Horizontal	Diag Up	40	20	60	Rough	Damp	None	100%	Moderate	<Null>
T74	Ash	Wound / Canker	South-east	3	Stem	Horizontal	Vert Up	15	4	5	Smooth	Dry	Minor Woodlice	100%	Moderate	<Null>
T8	Holm Oak	Trunk Cavity	South	2m	Buttress	Horizontal	Vert Up	60	10	50	Smooth	Dry	Bird Nesting Material	100%	Moderate	Can be ugly inspected using an endoscope from the ground
T8	Holm Oak	Flush Cut	West	3	Limb	Horizontal	Horizontal	10	4	8	Rough	Dry	None	100%	Low	<Null>

New Tree ID	Tree Species	PRF Description	PRF Aspect	PRF Height (m)	PRF location on tree	PRF Entrance	PRF Internal Aspect	PRF Entrance Height (cm)	PRF Entrance Width (cm)	PRF Internal Size (cm2)	PRF Substrate Conditions	PRF Humidity	PRF Dominant Species/ Competitors	PRF fully inspected?	PRF Suitability	PRF Notes
T8	Holm Oak	Wound / Canker	South	5.5	Limb	Horizontal	Horizontal	15	5	20	Bumpy	Dry	Bird Droppings	100%	Low	Debris present
T8	Holm Oak	Loose Bark	N/A	5	Limb	Vert Up	Diag Up	25	5	4	Smooth	Dry	None	100%	Low	<Null>
T8	Holm Oak	Other (please specifiy in 'Notes')	South	4	Limb	Horizontal	Horizontal	5	5	7	Rough	Dry	Bird Droppings	100%	Low	<Null>
T8	Holm Oak	Knot Hole	N/A	4	Stem	Vert Up	N/A	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	100%	Negligible	<Null>
T92	Sycamore	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
T92	Sycamore	Knot Hole	South-east	6	Stem	Diag Down	Vert Up	8	8	8	Rough	Damp	Minor Woodlice	100%	Moderate	<Null>
T92	Sycamore	Tear Out	South	12	Limb	Horizontal	Vert Up	4	4	50	Smooth	Dry	Minor Woodlice	100%	High	Two features joining together
T92	<Null>	Tear Out	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	Same feature as before but now has nest in the base
T94	Other (please document in 'Notes')	Double Leader	N/A	2	Stem	Vert Up	Vert Down	4	40	80	Smooth	Dry	None	70%	Confirmed	Several bat droppings present cannot be fully inspected. Dropping not possible to collect.
T96	Oak species	Trunk Cavity	East	0.5	Buttress	Horizontal	Diag Up	12	20	30	Rough	Dry	Minor Cobwebs	90%	Moderate	<Null>
T96	Oak species	Knot Hole	North	2	Stem	Horizontal	Horizontal	8	10	15	Bumpy	Dry	Bird Nesting Material	100%	Moderate	<Null>
T97	Pendunculate oak	Knot Hole	North	6	Stem	Horizontal	Diag Up	20	8	12	Smooth	Dry	None	100%	High	<Null>
T98		Tear Out	South-west	7	Stem	Horizontal	Diag Up	1m	15cm	35	Rough and smooth higher up	Dry	Minor Woodlice	100%	High	<Null>
T99	Sycamore	Tear Out	West	3.5	Stem	Horizontal	Diag Up	40	4	At least 15cm	Smooth	Dry	Minor Slugs	100%	Confirmed	Single Myotis bat.
T99	Sycamore	Wound / Canker	All	01-Apr	Stem	Horizontal	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	100%	Moderate	Numerous other cavities

AERIAL TREE ASSESSMENTS RAW DATA: SURVEY DATES AND SUMMARY

New Tree ID	Date	Tree Species	Age Class	DBH (m)	Height (m)	Limitations	Tree Category (highest pot of PRF)	Tree fully inspected?	Notes
T101	25/04/2017 12:48	Sweet chestnut	Semi-mature	0.25	13	None	High	100%	Can be inspected with endoscope from ground
T101	09/08/2017 11:52	Sweet chestnut	<Null>	<Null>	<Null>	<Null>	High	100%	2nd survey conditions the same as the 1st survey. Third inspection required. Endoscope from ground
T101	26/09/2017 12:22	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	3rd survey. Wood mouse droppings present. See previous notes
T103	25/04/2017 13:00	Sweet chestnut	Semi-mature	0.18	12	None	High	100%	Additional aerial rather then emergence
T103	09/08/2017 11:59	Sweet chestnut	<Null>	<Null>	<Null>	<Null>	High	100%	Conditions the same as 1st survey. 2nd survey completed. One more aerial required
T103	26/09/2017 12:21	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	3rd survey. No evidence. See previous notes
T105	25/04/2017 13:14	Sweet chestnut	Mature	0.4	12	None	Moderate	100%	Can be endoscoped from ground
T105	09/08/2017 12:04	Sweet chestnut	<Null>	<Null>	<Null>	<Null>	Moderate	100%	Same as previous 2nd survey complete no further survey required
T114	21/04/2017 10:37	Pendunculate oak	Mature	0.7	12	None	Moderate	100%	<Null>
T114	11/08/2017 14:23	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	See previous notes no change
T115	21/04/2017 10:56	Pendunculate oak	Mature	0.4	8	None	Low	100%	<Null>
T116	21/04/2017 11:05	Willow sp	Mature	0.4	8	None	Moderate	100%	All features can be fully inspected
T116	11/08/2017 14:27	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	<Null>	See previous note conditions the same
T124	18/04/2017 11:45	Beech	Mature	100cm	15m	No limitations although not all features possible to fully inspect	High	70%	Two surveyors needed
T124	11/08/2017 15:48	<Null>	<Null>	<Null>	<Null>	<Null>	High	70%	Climbed 2nd survey. Still needs dusk and dawns as some features can't be fully inspected
T124	26/09/2017 13:23	<Null>	<Null>	<Null>	<Null>	<Null>	High	70%	3rd aerial undertaken. See previous notes. No change or evidence. Emergence surveys required as per previous notes
T125	18/04/2017 14:45	Ash	Mature	0.8	14	<Null>	Moderate	100%	<Null>
T125	11/08/2017 15:21	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	See previous notes conditions the same
T126	18/04/2017 14:34	Pendunculate oak	Mature	0.45	12	<Null>	Negligible	100%	<Null>
T127	18/04/2017 13:48	Sycamore	Semi-mature	0.3	10	<Null>	Low	100%	<Null>
T128	18/04/2017 14:15	Ash	Mature	0.7	16	<Null>	Negligible	100%	<Null>
T129	18/04/2017 13:38	Oak species	Mature	0.75	14	No limitations inspected with ladder	Negligible	100%	<Null>
T130	18/04/2017 13:26	Oak species	Mature	0.8	12	<Null>	Low	100%	<Null>
T133	20/04/2017 14:40	Willow sp	Mature	0.35	6	<Null>	Moderate	100%	Endoscope from ground
T133	08/08/2017 15:10	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	See previous notes from 1st visit. This 2nd survey conditions the same.
T135	26/04/2017 14:55	Beech	Mature	0.3	13	None	Low	100%	After climbing down graded to low
T136	26/04/2017 14:23	Beech	Semi-mature	0.1	12	None	Moderate	100%	Inspect from ground with endo
T136	14/08/2017 15:07	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	See previous notes
T137	26/04/2017 14:15	Beech	Mature	0.4	15	None	High	100%	Can be endoscoped from the ground
T137	10/08/2017 13:16	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	Same as before slightly dryer see previous notes
T137	25/09/2017 12:10	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	Third visit. No evidence. See previous notes
T138	26/04/2017 14:29	Beech	Mature	0.35	15	None	High	100%	<Null>
T138	10/08/2017 12:53	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	See previous notes conditions the same. Additional aerial required
T138	25/09/2017 12:11	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	Third visit. No evidence. See previous notes
T139	26/04/2017 13:55	Beech	Mature	0.5	12	None	Moderate	100%	<Null>
T139	14/08/2017 15:12	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	Second tree climb. Conditions the sameee previous notes
T140	26/04/2017 13:40	Hornbeam	Mature	0.55	13	None	Moderate	100%	<Null>
T140	14/08/2017 15:01	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	See previous notes
T141	26/04/2017 12:42	Beech	Mature	0.35	12	None	High	100%	<Null>

New Tree ID	Date	Tree Species	Age Class	DBH (m)	Height (m)	Limitations	Tree Category (highest pot of PRF)	Tree fully inspected?	Notes
T141	14/08/2017 14:53	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	See previous notes
T142	26/04/2017 12:37	Beech	Mature	0.35	12	None	High	100%	<Null>
T142	14/08/2017 14:49	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	See previous notes
T142	25/09/2017 12:04	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	Third visit. No evidence. See previous notes
T143	26/04/2017 12:18	Beech	Dead	0.2	6	None	Confirmed	100%	Inspect with endoscope from ground. A single Natterer;'s bat recorded.
T143	14/08/2017 14:38	<Null>	<Null>	<Null>	<Null>	<Null>	Confirmed	100%	See previous notes
T143	25/09/2017 11:57	<Null>	<Null>	<Null>	<Null>	<Null>	Confirmed	100%	3rd inspection. No evidence. See previous notes
T144	26/04/2017 12:07	Beech	Semi-mature	0.2	12	None	Moderate	100%	Can be inspected with a ladder 4m and endoscope
T144	14/08/2017 14:43	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	See previous notes
T145	26/04/2017 11:55	Beech	Semi-mature	0.2	12	None	Moderate	100%	Inspect with endoscope from ground
T145	14/08/2017 14:33	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	See previous notes
T146	20/04/2017 09:25	Beech	Mature	0.5	14	None	High	100%	<Null>
T146	09/08/2017 13:26	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	2nd survey conditions same as 1 st survey. Third aerial survey required
T146	27/09/2017 08:37	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	3rd survey. No evidence. See previous notes
T147	20/04/2017 09:09	Ash	Semi-mature	0.25	10	<Null>	High	100%	Can be inspected from the ground with an endoscope higher feature with a torch
T147	09/08/2017 13:58	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	2nd survey conditions same as 1st. Third inspection endoscope from ground + ladder required
T147	27/09/2017 08:25	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	3rd survey. No evidence. See previous notes
T148	20/04/2017 10:09	Ash	Semi-mature	0.15	5.5	<Null>	High	100%	Can be endoscope fully from ladder
T148	09/08/2017 14:36	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	2 nd survey conditions same as 1st survey. Third inspection with ladder and endoscope required
T148	25/09/2017 13:39	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	3rd inspection. No evidence. See previous notes
T149	20/04/2017 11:03	Ash	Semi-mature	0.2	12	None	Moderate	100%	Endoscope from ground
T149	09/08/2017 14:26	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	2nd survey on moderate Tree. Conditions the same as 1st survey
T150	20/04/2017 11:41	Sycamore	Semi-mature	0.2	12	None	High	100%	Can be inspected from a ladder and endoscope
T150	09/08/2017 14:43	Sycamore	<Null>	<Null>	<Null>	<Null>	High	100%	2nd survey conditions the same as before. Third survey required endoscope and ladder
T150	25/09/2017 13:34	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	3 rd inspection. No evidence. See previous notes
T151	20/04/2017 11:50	Sycamore	Semi-mature	0.3	14	None	Moderate	100%	Inspect with ladder and endo
T151	09/08/2017 14:12	Sycamore	<Null>	<Null>	<Null>	<Null>	Moderate	100%	2 nd survey conditions are the same as previous. Moderate potential so no further survey works
T152	25/04/2017 10:06	Sycamore	Juvenile	0.06	4.5	None	Moderate	100%	Check with torch from ground
T152	08/08/2017 15:48	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	See notes from first visit. 2nd visit conditions the same
T22	24/04/2017 15:11	Beech	Mature	0.3	11	None	Moderate	100%	Can be endoscoped from a ladder
T23	24/04/2017 14:26	Sycamore	Semi-mature	0.2	7.5	None	Moderate	100%	Can be endoscoped from the ground
T23	14/08/2017 14:17	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	See previous notes
T23	15/08/2017 08:42	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	See previous notes
T24	24/04/2017 14:45	Beech	Mature	0.45	11	No	Moderate	100%	Can be endoscoped using a ladder
T24	14/08/2017 14:24	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	<Null>
T24	14/08/2017 14:28	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	See previous notes
T25	19/04/2017 14:53	Beech	Semi-mature	0.2	10	<Null>	Confirmed	100%	Yes- endoscope from ladder. A sinle long-eared bat was recorded.
T25	10/08/2017 12:29	<Null>	<Null>	<Null>	<Null>	<Null>	Confirmed	100%	See previous notes. No bat present this time. Cavity actually exposed from top
T25	25/09/2017 11:48	<Null>	<Null>	<Null>	<Null>	<Null>	Confirmed	100%	3rd visit. No evidence. See previous notes
T26	24/04/2017 14:10	Beech	Mature	0.4	14	None	High	100%	Can be surveyed with a ladder and endoscope
T26	10/08/2017 12:20	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	See previous notes from first survey. Third inspection required

New Tree ID	Date	Tree Species	Age Class	DBH (m)	Height (m)	Limitations	Tree Category (highest pot of PRF)	Tree fully inspected?	Notes
T26	25/09/2017 11:46	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	3rd inspection. No evidence. See previous notes
T3	19/04/2017 10:17	Willow sp	Mature	0.35	5	<Null>	Moderate	100%	Yes. Can be inspected with a ladder and small endoscope, but may need emergence survey as difficult to turn the camera head sufficiently
T3	10/08/2017 11:32	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	Conditions are the same as 1st survey
T30	24/04/2017 13:16	Beech	Semi-mature	0.3	11	None	Moderate	100%	<Null>
T30	10/08/2017 12:12	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	Same as previous survey see notes
T33	24/04/2017 12:11	Beech	Semi-mature	0.2	10	<Null>	Moderate	100%	Can use a secured ladder with endoscope as an alternative to climbing
T33	10/08/2017 11:51	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	See notes from first survey. Conditions the same
T35	19/04/2017 14:27	Beech	Mature	0.4	11	<Null>	High	100%	Yes. Endoscope from the ground
T35	14/08/2017 15:22	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	See previous notes
T35	25/09/2017 11:41	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	Third visit. No evidence of bats. See previous notes
T36	19/04/2017 14:10	Beech	Dead	0.2	8	<Null>	Confirmed	100%	Yes, but can use an endoscope
T36	14/08/2017 15:19	<Null>	<Null>	<Null>	<Null>	<Null>	Confirmed	100%	See previous notes with regards to PRFs – there has been no change in suitability of feature
T36	25/09/2017 11:39	<Null>	<Null>	<Null>	<Null>	<Null>	Confirmed	100%	3rd inspection. No bats observed. See previous notes with regards to PRFs – there has been no change in suitability of feature
T37	24/04/2017 11:45	Beech	Mature	0.5	10	None	Moderate	100%	Can be seen with torch from ground / endoscope
T37	14/08/2017 15:24	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	See previous notes
T4	19/04/2017 10:43	Ash	Mature	0.8	7	<Null>	Low	100%	<Null>
T47	20/04/2017 08:51	Ash	Semi-mature	0.25	12	<Null>	High	100%	Additional tree climbing rather then emergence surveys
T47	09/08/2017 13:49	Ash	<Null>	<Null>	<Null>	<Null>	High	100%	2nd survey conditions the same as first. Third aerial still required
T47	27/09/2017 08:34	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	3rd survey. No evidence. See previous
T48	20/04/2017 08:40	Beech	Mature	0.4	12	<Null>	High	100%	Can be fully inspected using an endoscope
T48	09/08/2017 13:54	SycamoreBeech	<Null>	<Null>	<Null>	<Null>	High	100%	2 nd survey conditions the same as 1st survey. One more inspection from ground with endoscope
T48	27/09/2017 08:30	Beech	<Null>	<Null>	<Null>	<Null>	High	100%	3rd survey. No evidence. See previous notes
T5	19/04/2017 10:55	Sycamore	Mature	0.4	10	No limtations	Low	100%	<Null>
T55	20/04/2017 10:54	Beech	Mature	0.6	2.5	None	Low	100%	<Null>
T56	20/04/2017 10:15	Ash	Mature	0.8	14	Tree fully climbed one feature couldn't be fully inspected with endoscope	High	90%	<Null>
T56	09/08/2017 14:19	<Null>	<Null>	<Null>	<Null>	<Null>	High	70%	Conditions the same as 1st survey. One more aerial plus emergence required
T56	25/09/2017 13:23	<Null>	<Null>	<Null>	<Null>	<Null>	High	70%	3rd aerial inspection. Same as previous. Emergence required as per previous notes
T57	20/04/2017 13:24	Oak species	Mature	0.4	7	<Null>	Moderate	100%	<Null>
T57	09/08/2017 14:51	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	2nd survey same as before moderate potential so no further survey
T58	20/04/2017 12:51	Oak species	Mature	0.3	8	None	Low	100%	<Null>
T59	20/04/2017 12:37	Pendunculate oak	Mature	0.4	8	None	Moderate	100%	<Null>
T59	09/08/2017 15:06	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	2nd survey conditions the same as 1st survey
T6	19/04/2017 11:10	Sycamore	Mature	0.4	9	<Null>	Moderate	100%	Scoped out following Scheme confirmation
T66	26/04/2017 10:00	Ash	Mature	0.6	10	None	Low	100%	<Null>
T68	26/04/2017 10:17	Ash	Mature	0.45	15	None	Moderate	100%	<Null>
T69	26/04/2017 10:45	Sycamore	Mature	0.7	14	None	Moderate	100%	Inspect with 4m ladder or climb
T69	09/08/2017 12:34	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	100%	Bird box no bats same as 1 st survey. NO FURTHER WORKS REQUIRED
T73	25/04/2017 13:41	Pendunculate oak	Mature	0.35	9	None	Negligible	100%	<Null>
T74	25/04/2017 13:50	Ash	Mature	0.5	9	None	Moderate	100%	Can be inspected from ground with endoscope

New Tree ID	Date	Tree Species	Age Class	DBH (m)	Height (m)	Limitations	Tree Category (highest pot of PRF)	Tree fully inspected?	Notes
T76	25/04/2017 13:30	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	Not safe to climb due to closeness of pylon. Over 20 m from edge of offslip. Scoped out following Scheme confirmation
T8	19/04/2017 12:34	Other (please document in 'Notes')	Mature	1	14	<Null>	Moderate	100%	Holm oak Scoped out following Scheme confirmation
T9	19/04/2017 12:55	Sycamore	Mature	0.4	10	None	Negligible	100%	<Null>
T92	25/04/2017 10:12	Sycamore	Mature	0.45	15	None	High	100%	<Null>
T92	08/08/2017 16:02	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	See notes from 1st visit. Conditions the same as before. Needs a 3rd
T92	26/09/2017 11:52	<Null>	<Null>	<Null>	<Null>	<Null>	High	100%	3rd survey. No evidence. See previous notes
T94	25/04/2017 10:55	Other (please document in 'Notes')	Mature	0.8	16	Cavity cannot be fully inspected	Confirmed	70%	Holm oak - needs 2 surveyors. Possible bat droppings recorded
T94	08/08/2017 15:59	Oak species	<Null>	<Null>	<Null>	<Null>	Confirmed	70%	2 no inspection see notes from 1st. Needs activity surveys as recommended before. No bat droppings recorded.
T94	26/09/2017 11:05	<Null>	<Null>	<Null>	<Null>	<Null>	Confirmed	70%	3rd inspection. No evidence but not fully inspected. Needs emergence surveys. Details the same as previous
T96	25/04/2017 09:55	Oak species	Mature	0.65	15	None	Moderate	90%	Can be inspected from ground with endoscope
T96	08/08/2017 15:40	<Null>	<Null>	<Null>	<Null>	<Null>	Moderate	90%	2nd visit see notes from visit 1st
T97	25/04/2017 11:55	Pendunculate oak	Semi-mature	0.3	12	None	High	100%	Additional aerial
T97	08/08/2017 16:57	Pendunculate oak	<Null>	<Null>	<Null>	<Null>	High	100%	2nd survey conditions the same as the 1st. Third aerial required. A large dead branch has now fallen off
T97	26/09/2017 11:18	Pendunculate oak	<Null>	<Null>	<Null>	<Null>	High	100%	3rd inspection. No evidence. See previous notes
T98	25/04/2017 12:06	Beech	Mature	0.4	14	<Null>	High	100%	<Null>
T98	08/08/2017 16:53	Beech	<Null>	<Null>	<Null>	<Null>	High	100%	2nd inspection same as 1st. Needs third aerial
T98	26/09/2017 12:02	Beech	<Null>	<Null>	<Null>	<Null>	High	100%	3rd visit. No evidence. More cobwebs then last time. See previous notes
T99	25/04/2017 11:43	Sycamore	Semi-mature	0.2	6	None	Confirmed	100%	Additional inspection from ground with ladder and endoscope. Single unidentified *Myotis* bat recorded.
T99	08/08/2017 17:03	Sycamore	<Null>	<Null>	<Null>	<Null>	Confirmed	100%	No bat present on 2nd visit. PRF still present
T99	26/09/2017 10:58	Sycamore	<Null>	<Null>	<Null>	<Null>	Confirmed	100%	3rd survey. Conditions same as previous.

BUILT STRUCTURES EXTERNAL / INTERNAL / EMERGENCE SUMMARIES

BUILDING 1A					
Grid ref	SW 75338 47681		Final Potential	CONFIRMED ROOST	
Overview	→ Ex-residential stone and breeze block building that has been recently refurbished into an office building. → The building consisted of two sections; the northern section did not have a roof void as skylights were present. → Day / transitional/ occasional roost of brown long-eared bat.				
External		Date	11/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched roof with hipped ridges. The roof tiles are slate with clay ridges.	Stone and breeze block.	PVC windows that have been recently installed and are in good condition with no obvious gaps recorded.	Wooden soffit boxes and fascias were present. All of which were in good condition with no obvious access points noted.	Small chimney for modern fire.
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Fairly uncluttered and clean	No Data	W truss design.	No obvious gaps or access points.	Two bat droppings collected from the roof void near to the central loft.
DNA Analysis	Positive: Brown long-eared bat				
Limitations	The insulation and electrical works within the roof void have been recently upgraded, as such, it is likely that evidence may have been disturbed.				
Potential	Confirmed Roost	Surveys Requirements	3 visits	How many surveyors	3
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	30/05/2017	18/07/2017	NA	No bats recorded emerging / re-entering the building during the surveys, activity restricted to individual passes. The building is likely to be an occasional roost for Paur.	
Weather Conditions	Temp:16 Cloud Cover:8 Wind:0 Rain:0 Start Time: 21:05 End time: 21:49	Temp:17 Cloud Cover:0 Wind:1 Rain:0 Start Time: 03.59 End time: 05.44	Able to characterise from internal, and two emergence/re-entry surveys. No further surveys are considered necessary.		
Results	No Emergence / Re-entry	No Emergence / Re-entry	NA		
Photographs:					

BUILDING 1B					
Grid ref	SW 75338 47706		Final Potential	LOW	
Overview	→ Wooden shed with a cluttered internal. → The shed is has wooden cladded walls with access points suitable for bats.				
External		Date	11/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Mono-pitched roof.	Timber	No Data	Gaps behind timber cladding	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	No roof void. The inside of the shed is used for storage and is fairly cluttered	No Data		No data	Three droppings collected, could have been swallow droppings. DNA: Negative
DNA Analysis	Negative result:- Pygmy shrew (*Sorex minutus*)				
Limitations	NA				
Potential	Confirmed Roost (reduced to low following negative DNA result).	Surveys Requirements	3 visits	How many surveyors	3
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	30/05/2017	18/07/2017	NA	No bats were recorded emerging or re-entering. Individual numbers of Ppip, Nnoc, Esero and Myotis recorded foraging within the surrounding area.	
Weather Conditions	Temp:16 Cloud Cover:8 Wind:0 Rain:0 Start Time: 21:05 End time: 21:49	Temp:17 Cloud Cover:0 Wind:1 Rain:0 Start Time: 03.59 End time: 05.44	Not required on receipt of negative DNA. No further surveys are considered necessary.		
Results	No Emergence / Re-entry	No Emergence / Re-entry	NA		
Photographs					

BUILDING 1C					
Grid ref	SW 75353 47710		Final Potential	NEGLIGIBLE	
Overview	→ Newly built large wooden shed type structure with timber cladding.				
External		Date	11/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Flat roof covered	Timber	Double glazed glass set directly in wall,	NA	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Used as a laundry space	NA	NA	NA	NA
DNA Analysis	NA				
Limitations	NA				
Potential	Negligible	Surveys Requirements	0 Visits	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	NA.	NA
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA	NA	NA
Photographs					

BUILDING 2					
Grid ref	SW 75377 47721		Final Potential	MODERATE	
Description	→ Stone walled building used for office space, previously an old barn → Recently refurbished and in good condition, was left for 5-10 years. → Reduced to moderate following initial surveys.				
External		Date	11/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Slate roof with clay ridges.	Stone	Painted wooden windows	Gaps behind damaged timber soffits – wasps observed accessing roof.	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Used as an office space and has been recently refurbished inside. No loft space –	NA	NA	NA	NA
DNA Analysis	NA				
Limitations	NA				
Potential	High	Surveys Requirements	2 Visits	How many surveyors	3
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	30/05/2017	18/07/2017	NA	No bats were recorded emerging or re-entering. Low numbers of Ppip, Nnoc, Esero and Myotis recorded foraging within the surrounding area.	
Weather Conditions	Temp:16 Cloud Cover: 8 Wind: 0 Rain: 0 Start Time: 21:05 End time: 21:49	Temp:17 Cloud Cover: 8 Wind:2 Rain: 0 Start Time: 03.57 End time: 05.27	Reduced to moderate following initial surveys. The surveys are considered suitable to confirm likely absence.		
Results	No	No	NA		
Photographs					

BUILDING 3					
Grid ref	SW 75376 47703		Final Potential	LOW	
Overview	→ Small outbuilding. Modern appearance - either refurbished old or new build with rendered walls. → Reduced to low following initial emergence survey.				
External		Date	11/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched slate roof with gable ends. Wooden fascia's and soffits in good condition.	Rendered walls	PVC windows in good condition.	None	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	No loft space according to owners.	No access to complete internal			
DNA Analysis	NA				
Limitations	No access to the internal				
Potential	Moderate	Surveys Requirements	2 – reduced to none	How many surveyors	3
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	30/05/2017	NA	NA	No bats were recorded entering or emerging. Ppip and Nnoc, recorded within the surrounding area.	Roosting potential reduced to low following first survey (further surveys not required following confirmation of proposed Scheme).
Weather Conditions	Temp:16 Cloud Cover: 8 Wind: 0 Rain: 0 Start Time: 21:05 End time: 21:49	NA	NA		
Results	No emergence or re-entry.	NA	NA		
Photographs					

BUILDING 3A					
Grid ref	SW 75391 47081		Final Potential	LOW	
Description	→ Modern Building made of wood and plastered wall. Some gaps under wooden cladding. Used as office space.				
External		Date	11/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Flat bitumen felt-lined roof.	Timber and plaster.	Wood.	Gaps present under timber cladding and roofing materials.	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Used as an office space and in new inside with plastered internal walls. No loft space according to owners.	NA	NA	As above.	NA
DNA Analysis	NA				
Limitations	No access internally				
Potential	Low	Surveys Requirements	0 Visits	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	**Limitations**
Date	NA	NA	NA	NA	
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA		
Photographs					

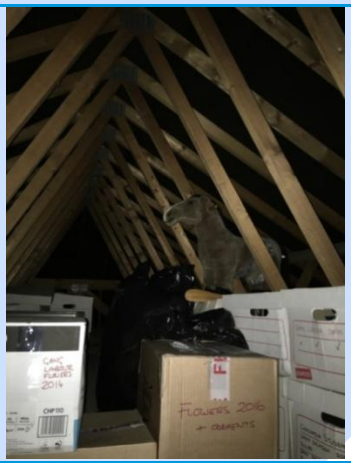
BUILDING 3B					
Grid ref	SW 75391 47081		Final Potential	NEGLIGIBLE	
Description	→ Modern Building made of metal and wood with PVC slats and wooden fascia.				
External		Date	11/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Flat roof made with bitumen with resin. Wooden fascia.	Wood and metal.	PVC windows in good condition.	None	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Used as storage space/shed. No roof void.	NA	NA	NA	NA
DNA Analysis	NA				
Limitations	NA				
Potential	Negligible	Surveys Requirements	0 Visits	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA		
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA		
Photographs					

BUILDING 4					
Grid ref	SW 75367 175367		Final Potential	MODERATE	
Description	→ Very new building with rendered walls and some areas of wooden cladding. Used for office space.				
External		Date	11/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Slate roof with clay ridges and wooden soffits.	Rendered walls with timber cladding in places.	PVC windows and doors, all new. Has skylights.	Some potential access under cladding and wooden trim.	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	New building inside used as office space. No access to loft with some reports of there not being one at all. One tenant reports loft is inaccessible as it is located 7m above ground level.	NA	NA	NA	NA
DNA Analysis	NA				
Limitations	No access to roof void (if present)				
Potential	Moderate - High	Surveys Requirements	2 Visits	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	31/05/2017	17/07/2017	NA	No emergence or re-entry. Individual passes of Paur, Ppip, Myotis and Nnoc	NA
Weather Conditions	Temp:14.5 Cloud Cover: 7 Wind:1 Rain:0 Start Time: 03:44 End Time: 05:31	Temp:19 Cloud Cover: 7 Wind:1 Rain: 0 Start Time: 21:09 End time: 22:54	NA		
Results	No emergence or re-entry.	No emergence or re-entry.	NA		
Photographs					

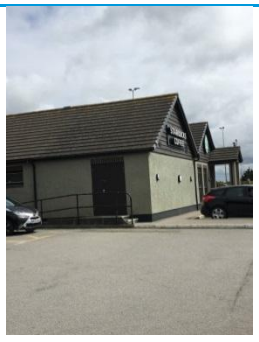
BUILDING 5					
Grid ref	SW 75395 47727		Final Potential	MODERATE	
Description	→ Mostly timber-clad walls, used for office space.				
External		Date	11/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched slate roof with gables ends. Clay ridges and skylights present.	Timber-clad.	PVC windows and doors.	Some potential access under cladding and wooden trim.	Spot lights on wooden soffits were taken out for repair, sparrows moved in almost instantaneously. There are three new wooden sheds used as offices on site.
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	New and modern office space. Same loft space access issues as Building)4	NA	NA	NA.	NA
DNA Analysis	NA				
Limitations	No access to roof void (if present)				
Potential	Moderate	Surveys Requirements	2 Visits	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	31/05/2017	17/07/2017	NA	No emergence/ re-entry. Individual passes of Paur, Ppip, Myotis and Nnoc	The surveys are considered suitable to confirm likely absence. No further surveys are considered necessary.
Weather Conditions	Temp:14.5 Cloud Cover: 7 Wind:1 Rain:0 Start Time: 03:44 End Time: 05:31	Temp:19 Cloud Cover: 7 Wind:1 Rain: 0 Start Time: 21:08 End time: 22:53.44	NA		
Results	No emergence or re-entry.	No emergence/ re-entry.	NA		
Photographs					

BUILDING 6					
Grid ref	SW 75275 47492		Final Potential	LOW	
Description	→ Stone walled building. → Two Chimney stacks, Look in good condition with covered ends				
External		Date	11/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Hipped slate roof – New, re-roofed 18 months ago.	Stone	PVC windows and doors.	None	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	. Open roof void difficult to access – viewed from hatch only. New Breathable Roofing Membrane (BRM) lined and well sealed.	NA	NA	NA.	Appeared to be dust and old grass below the ridge – could not access to sample.
DNA Analysis	NA				
Limitations	Limited access – given low potential as a precaution due to reduced internal inspection				
Potential	Low	Surveys Requirements	1 Visit	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA		No access
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA		
Photographs					
NA			**NA**		

BUILDING 6A and 6B					
Grid ref	SW 75275 47492		Final Potential	LOW	
Description	→ Pebble dash walled buildings used as an office space. → Only 6A accessed internally.				
External		Date	11/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Hipped roofs: 6A had slate tiles with clay ridges; 6B had square concrete tiles.	Pebble dashed.	PVC wooden windows	None	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Cluttered void used as storage area.	4m x 10m	Trussed under ridge (same as Building 6)	NA.	None/ Inaccessible to sample
DNA Analysis	NA				
Limitations	Limited access to roof void of 6A due to stored items. No internal access into 6B.				
Potential	Moderate due to limited access	Surveys Requirements	1 Visits	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	21/06/2017	NA	NA	No emergence/ re-entry Individual passes of Nnoc & Ppip	Survey ended early at request of homeowner/ No access for further surveys.
Weather Conditions	Temp: 19 Cloud Cover: 8 Wind: 3 Rain: 0 Start Time: 21:17 End Time: 22:44	Reduced to low following initial survey.	NA		
Results	No emergence/ re-entry	NA	NA		
Photographs					



BUILDING 7					
Grid ref	SW 74848 46832		Final Potential	LOW	
Description	→ Rendered block house with metal fascia				
External		Date	06/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched roof with gabled ends. Flat slate tiles with metal fascia.	Rendered concrete block	PVC single hung and side hung windows	Gaps present under metal fascia	One chimney present
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Access into wall cavities/ Insulation completely covering the floor. Felt liner. Open water tank present.	6 x x 15 x 1.3m. Not cluttered.	Kingpin truss structure.	Possible access at the eaves, but appears to be grated. Possible access around chimney	No evidence of bats. Some insect wings on floor. Low level mouse activity.
DNA Analysis					
Limitations	Roof void only partially surveyed due to health and safety.				
Potential	Low	Surveys Requirements	1 Visit	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	NA	Access denied for emergence/re-entry surveys
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA		
Photographs					

BUILDING 8					
Grid ref	SW 74692 46907		Final Potential	LOW	
Description	→ A single storey building with pebble dashed walls currently being used as a coffee shop.				
External		Date	13/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Flat concrete tiles on a pitched roof, with gable ends and wooden soffits. Some wooden cladding is present on gable ends.	Pebble dashed.	Wooden, doubled glazed.	Gaps behind cladding and in damaged soffits.	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Single large void with false ceiling. Very dusty with fiberglass insulation. Water tanks present.	No data	Heavily trussed	None Recorded. Bitumen lined roof some light spill from below.	Single potential dropping recorded.
DNA Analysis	Negative: House mouse (*Mus musculus*)				
Limitations	One section of roof void could not be accessed.				
Potential	Confirmed Roost-reduced to low following negative DNA result	Surveys Requirements	3 Visit reduced to none, following DNA result	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	20/06/2017	NA	NA	No emergence/ re-entry. Individual pass of Nnoc.	Building potential reduced to low potential. The surveys are considered suitable to confirm likely absence. No further surveys are considered necessary.
Weather Conditions	Temp: 17.5 Cloud Cover: 1 Wind: 0 Rain: 0 Start Time: 03:39 End Time: 05:24	NA	NA		
Results	No re-entry	NA	NA		
Photographs					
					

BUILDING 9					
Grid ref	SW 74652 47002		Final Potential	CONFIRMED ROOST	
Description	→ Stone built building with painted render and some areas of pebble dashing. → Chimney present. → Confirmed day / transitional / occasional roost of common pipistrelle				
External		Date	06/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched roof with gable ends. Barge board present. Roof tiles appear to be in good condition. Metal fascia.	Stone with a painted or pebble-dashed render	Plastic single hung windows with no obvious gaps.	Two areas, one new and one old joined with lead flashing provides a potential access point.	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Two sections of internal void Void A is in a newer extension to the original building. Breeze block gable end. Breathable Roofing Membrane (BRM) present at western end. Light coming through the eves. 75% Insulated.	Original building: 8x5x2m. Extension: 5X5X1.5m Uncluttered	Fink truss system	Access into roof void where the older and newer part of the building meet.	100 X droppings located alongside the original wall where it meets the extension wall.
	Void B: Insulation but covered. Water tank and walls are made with stone. BRM noted at western end.	8X5X2m Uncluttered	King Post wooden truss with bitumen felt.	Some gaps present where pointing has been removed	Dropping noted at western end of building. Warm and dark and accessed sporadically.
DNA Analysis	Positive: common pipistrelle				
Limitations	The north-eastern section of the building was not accessible.				
Potential	Confirmed Roost	Surveys Requirements	3 Visit	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	21/06/2017	19/07/2017	15/08/2017	1 x Ppip emergence and 2x Ppip re-entry.	Detector failure on one of the detectors of the final survey. Surveys are considered suitable to characterise the roost.
Weather Conditions	Temp:17 Cloud Cover: 8 Wind: 2 Rain: 0 Start Time: 21:25 End Time: 23:04	Temp:18 Cloud Cover: 2 Wind: 3 Rain: 0 Start Time: 04:00 End Time: 05:45	Temp:15 Cloud Cover: 7 Wind: 0 Rain: 0 Start Time: 04:32 End Time: 06:07		
Results	Yes 1 x Ppip emergence	No emergence/ re-entry	Yes 2 x Ppip re-entry		
Photographs					

BUILDING 9

BUILDING 10					
Grid ref	SW 74641 47129		Final Potential	CONFIRMED ROOST	
Description	→ Pebble dashed two story residential building with three chimneys. → Confirmed brown long-eared bat roost. → Scoped out due to distance from proposed Scheme.				
External		Date	03/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Complex roof with pitched / gabled and hipped sections. Lead flashing is present. Roof was re-built in 2006 as the building had been hit by lightning.	Stone with pebble-dashed render.	Wooden side hung windows	Gaps at the eaves and via soffit boxes.	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	BRM present. Pitched roof with wooden beams.	7 x 12 x 3m tall	King Post	Gaps at eaves.	Droppings recorded under the ridge beam - sampled. No bats present.
DNA Analysis	Positive: Brown long-eared bat				
Limitations	NA				
Potential	Confirmed Roost	Surveys Requirements	Scoped out (>100m)	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA		
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA		
Photographs					
NA			NA		

BUILDING 11A					
Grid ref	SW 74776 47247		Final Potential	CONFIRMED ROOST	
Description	→ Bungalow with pitched roof and gable ends. The bungalow has pebble dashed walls and a chimney. → Maternity / day / transitional / occasional roost of common pipistrelle.				
External		Date	04/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Newly completed pitched roof with gable ends made with roman tiles.	Pebble-dash rendered stone	Wooden and plastic windows.	Large fascia board with gaps present underneath.	Has a corrugated metal shed attached with pitched roof and gable ends.
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	No dust. Re-insulated recently. Windows at gable ends. No features in stone work. Uncluttered.	NA	NA	No obvious access into roof void. Potential gaps under fascia's. Access under eves and tiles (holes in membrane).	Evidence of rodents. No bat evidence but potential to crevice dwelling bats. 2016 surveys identified Ppip maternity roost
DNA Analysis	NA				
Limitations	NA				
Potential	Low	Surveys Requirements	Scoped out (>100m)	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	26/07/2016	22/06/2017	18/07/2017	The Building was characterised as a Ppip maternity colony. No further bats were recorded emerging / re-entering from the building.	NA
Weather Conditions	Temp: 10 Cloud Cover: 8 Wind: 1 Rain: 1 Start Time: 20:57 End Time: 22:57	Temp: 14 Cloud Cover: 8 Wind: 2 Rain: 0 Start Time: 21:20 End Time: 23:05	Temp: 19 Cloud Cover: 4 Wind: 2 Rain: 0 Start Time: 21:07 End Time: 22.52		
Results	Multiple emergence and re-entries. Approximately between 10-20 individuals. - Ppip maternity colony	No emergence / re-entry recorded	No emergence / re-entry recorded	Bats were recorded emerging / re-entering from the southern gable end (as below).	
Photographs					
					

BUILDING 11B					
Grid ref	SW 74800 47249		Final Potential	MODERATE	
Description	→ Open shed type building, corrugated metal shed with pitched roof and gable ends. Used for storage. → Scoped out >20 m from proposed Scheme				
External		Date	04/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Corrugated metal roof with small holes in. Large skylight.		Open sides.	Open sides	Could be used transitionally for bats and as a night perch, but cats are present. Breezy and light.
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Large skylights and well-lit inside. Windows at ends also wooden platform with crevices provides suitable roosting - day / trans for low numbers of opportunistic bats.	NA	NA	Open and easily accessible.	None
DNA Analysis	NA				
Limitations	NA				
Potential	Moderate	Surveys Requirements	2	How many surveyors	3
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	26/07/2016	NA	NA	Monitored as part of 11A. No emergence or re-entry.	
Weather Conditions	Temp: 10 Cloud Cover: 8 Wind: 1 Rain: 1 Start Time: 20:57 End Time: 22:57	NA	NA		
Results	No emergence/ re-entry	NA	NA		
Photographs					
			NA		

BUILDING 12					
Grid ref	SW 74651 47184		Final Potential	CONFIRMED ROOST	
Description	→ Top half of Building is covered in slate hanging tiles and the lower half is pebble dashed. → Two wooden sheds on site but no evidence according to landowner. Garage attached with open roof space → Likely day / transitional/ occasional roost of brown long-eared bat.				
External		Date	12/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Slate tile roof with PVC fascias and soffits. Pitched with gable ends.	Slate hanging tiles and pebble dashed render.	PVC Windows	No data	Church and other building close to site. Well maintained brick chimney
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	One area but in three parts. Bitumen felt lining. Used for storage. Garage area is open roof space apart from a few boards for storage.	No Data	King Post truss system in old roof section. Used for storage. Other areas are heavily trussed and so no access possible.	None	Droppings found in loft space - four distinct locations, one with a few hundred droppings, and each of the others with less than 100.
DNA Analysis	Positive: Brown long-eared bat				
Limitations	Restricted access within roof void				
Potential	High	Surveys Requirements	Scoped out > 100 m	How many surveyors	4
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	19/07/2016	20/07/17	NA	No emergence/ re-entry. Constant pipistrelle activity	Due to access restrictions, the two surveys allowed to be undertaken were within 48 hours of each other. No access for third survey
Weather Conditions	Temp:17 Cloud Cover:7 Wind:0 Rain:0 Start:03:58 End: 05:46	Temp:14 Cloud Cover:8 Wind:4 Rain:3 Start:21:05 End:22:20 Finished early due to rain.	NA		
Results	No emergence/ re-entry	No emergence/ re-entry			
Photographs					

BUILDING 12

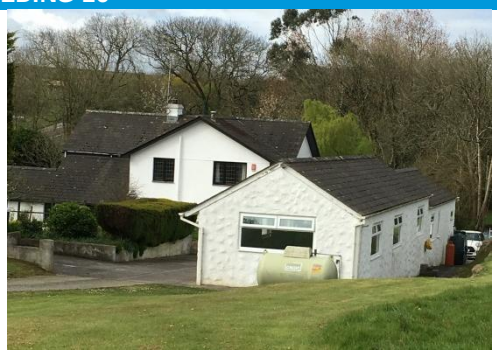
BUILDING 13					
Grid ref	SW 74803 47341		Final Potential	CONFIRMED ROOST	
Description	→ Two storey building made of painted stone which is in two sections; an old part and an extension. A large open garage area is present. The exterior is very tight-silicone sealed. → Maternity roost of common pipistrelle				
External		Date	04/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched and tiled roof with gable ends .	Stone.	New extension has side hung plastic windows and the old has wooden sash windows.	NA	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Dust free and clean and dark. Breeze suggests gaps under tiles. BRM present.	8x5m Height of 1m Uncluttered	No truss just roof beams	Access point at ridge where it meets gable end	Many remains of feeding activity (wing remains) but could be caused by spiders. Rat / squirrel droppings present No bat evidence but suitable to support large numbers of bats.
DNA Analysis	NA				
Limitations	Could only access 75% of roof void.				
Potential	High	Surveys Requirements	3	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	26/07/2016	22/06/2017	20/07/2017	Emergence and re-entries, at southern gable end. Continuous Ppip foraging activity recorded during the July 2016 and 2017 surveys.. Typical swarming behaviour was observed during the July 2016 and July 2017 surveys	NA
Weather Conditions	Temp: 16.5 Cloud Cover: 7 Wind: 2 Rain: 1 Start Time: 21:00 End Time: 22:57	Temp: 14.5 Cloud Cover: 7 Wind: 3 Rain: 0 Start Time: 21:20 End Time: 23:05	Temp: 13 Cloud Cover: 7 Wind: 3 Rain: 0 Start Time: 04:01 End Time: 05:46		
Results	Yes-5xPpip emergence	No emergence / re-entry	Yes-8xPpip re-entry (many false re-entries)		
Photographs					

BUILDING 14					
Grid ref	SW 75020 47842		Final Potential	MODERATE	
Description	→ Farm bungalow with pebble dashed walls, not very well maintained. → Garage also on site, ill-maintained damaged tin roof and open fronted				
External		Date	11/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Hipped slate roof	Pebble dashed	Wooden	None	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Open hipped roof void. Recently re-insulated. No lining under slate tiles	No data. Cluttered	NA	None recorded	NA
DNA Analysis	NA				
Limitations					
Potential	Moderate	Surveys Requirements	0 Scope Out (>100m)	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	>100 m from proposed Scheme scoped out	
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA		
Photographs					

BUILDING 15					
Grid ref	SW 77238 48809		Final Potential	MODERATE	
Description	→ Single story building with modern loft room installed.				
External		Date	18/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Slate roof with clay ridges. Looks new.	No data	No data	None recorded	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	No roof void	No data	No data	No void	No data
DNA Analysis	NA				
Limitations					
Potential	Moderate-Crevice dwelling only.	Surveys Requirements	2	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	20/06/2017	01/08/017	NA	No emergence/ re-entry. Ppip activity, Nnoc and BLE.	NA
Weather Conditions	Temp: 21.7 Cloud Cover: 1 Wind: 3 Rain: 0 Start Time: 21:15 End Time: 23:04	Temp: 16 Cloud Cover: 8 Wind: 3 Rain: 0 Start Time: 20:49 End Time: 22:34	NA		
Results	No emergence/ re-entry.	No emergence/ re-entry	NA		
Photographs					
NA			NA		

BUILDING 16					
Grid ref	SW 79048 49597		Final Potential	CONFIRMED ROOST	
Description	→ Rendered stone building with wooden soffits. The building has two loft voids with separate access. One chimney present. → Day / transitional / occasional roost of brown long-eared bat. → Maternity roost of common pipistrelle.				
External		Date	10/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Slate roof and gable ends. Multi-pitched. Well maintained.	Stone and rendered masonry	Composite Windows	NA	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Roof void 1: Bitumen lined central section and used for storage. Insulated and boarded.	5mx12m	No data	None	Few hundred droppings.
	Roof void 2: Small trussed loft and bitumen lined and insulated.	2m x 4m	No data	None	No evidence
DNA Analysis	Positive: Brown long-eared bat				
Limitations	Part of roof void 1 not accessed because of health and safety concerns.				
Potential	Confirmed roost	Surveys Requirements	3	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	19/06/2017	31/07/2017	16/08/2017	Ppip emergence and re-entry. High Ppip activity, Nnoc and Eser passes.	NA
Weather Conditions	Temp: 21 Cloud Cover: 4 Wind: 0 Rain: 0 Start Time: 21:18 End Time: 23:03	Temp: 15 Cloud Cover: 8 Wind: 2 Rain: 0 Start Time: 20:50 End Time: 22:35	Temp: 11 Cloud Cover: 1 Wind: 0 Rain: 0 Start Time: 04:40 End Time: 06:19		
Results	No emergence/ re-entry.	Yes-19x Ppips emerged from W elevation. 2x Ppips emerged from soffit box on E elevation.	A total of 1x Ppip recorded emerging from the building and 9x Ppips re-entering at the eastern side of the building.		
Photographs					

BUILDING 16	
	

BUILDING 16A and 16B (Same building, two loft spaces)					
Grid ref	SW 79048 49597		Final Potential	CONFIRMED ROOST	
Description	→ Rendered and stone building with wooden soffits. → Maternity roost, possibly a satellite roost of the known common pipistrelle maternity roost at 16.				
External		Date	10/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Slate roof and gable ends. 16B: Similar construction.	Plaster and stone	PVC	NA	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Recently repaired trussed loft space.	12x3x1m	Trussed	Gaps into wall traps.	When attic was being repaired, evidence of droppings in the below fascia but not present now.
	16B not accessed internally				
DNA Analysis	NA				
Limitations	Loft hatch too high and too tight to access.				
Potential	Confirmed roost	Surveys Requirements	3	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	19/06/2017	31/07/2017	16/08/17	Ppip emergence and re-entry. High Ppip activity, Nnoc and Eser passes.	
Weather Conditions	Temp: 21 Cloud Cover: 4 Wind: 0 Rain: 0 Start Time: 21:18 End Time: 23:03	Temp: 15 Cloud Cover: 8 Wind: 2 Rain: 0 Start Time: 20:50 End Time: 22:35	Temp: 11 Cloud Cover: 1 Wind: 0 Rain: 0 Start Time: 04:40 End Time: 06:19		
Results	One Ppip emerged from SW corner of building under drain pipe. Ppip foraging activity, Nnoc and individual Myotis recorded.	6x Ppips emerged from NE corner of 16B, under guttering. Low levels of Ppip foraging, single pass of lesser horseshoe & Nnoc, possible Eser pass..	No emergence.		
Photographs					

BUILDING 16A and 16B (Same building, two loft spaces)	
	

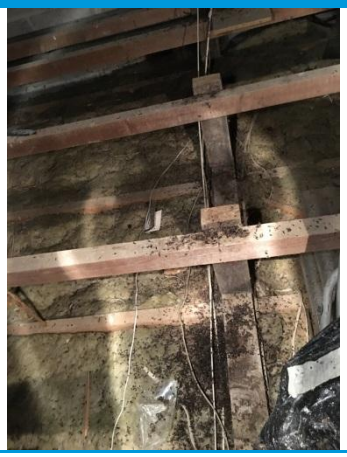
BUILDING 16C					
Grid ref	SW 79048 49597		Final Potential	NEGLIGIBLE - LOW	
Description	→ 16C are two open fronted barns the north east of the house				
External		Date	10/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched plastic roof with metal fascia. No roof void	Cement and timbered	Open fronted	NA	Too gappy to be suitable
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	NA	NA	NA	NA	No evidence
DNA Analysis	NA				
Limitations	NA				
Potential	LOW	Surveys Requirements	0	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA		
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA		
Photographs					

BUILDING 16D					
Grid ref	SW 79048 49597		Final Potential	CONFIRMED ROOST	
Description	→ 16D are two open fronted barns the north east of the house. → Likely night roost / foraging area for common pipistrelle and brown long-eared bat. → Scoped out due to distance from proposed Scheme				
External		Date	10/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Slate pitched roof with wooden fascia and soffits. Gable ends present.	Cement and timbered	Open fronted	NA	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Old barn that is open fronted and has no loft void.	10m x 25m	NA	Lots of gaps above wall tops.	Droppings found all over the site. <100.
DNA Analysis	Positive: Common pipistrelle and brown long-eared				
Limitations	NA				
Potential	Confirmed roost	Surveys Requirements	0	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	Scoped out >100 m from proposed Scheme	
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA		
Photographs					

BUILDING 17					
Grid ref	SW 78911 49553		Final Potential	LOW	
Description	→ Two storey building, painted stone structure used as a residential building. Chimney present. → Scoped out due to distance from proposed Scheme				
External		Date	03/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched roof with gable ends and slate tiles.	Painted stone walls.	Plastic side-hung windows.	Small gaps where tiles have slipped. Gaps at gable end between tiles and walls.	Bat box present. Front porch with wooden tiles.
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	No loft space so no survey needed.				
DNA Analysis	NA				
Limitations	NA				
Potential	LOW	Surveys Requirements	0 Scope Out (>100m)	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	Scoped out as >100 m from proposed Scheme	
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA	NA	NA
Photographs					
NA			NA		

BUILDING 18					
Grid ref	SW 78958 49619		Final Potential	LOW	
Description	→ Bungalow with rendered walls. → Scoped out due to distance from proposed Scheme				
External		Date	09/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Clay tiled building with a pitched roof. Wooden fascias	Rendered walls	uPVC windows	None	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Bitumen lined, new insulation.	6 x 10 m	Fink truss	NA	Mice, no bats.
DNA Analysis	NA				
Limitations	Could not access behind water tank				
Potential	LOW	Surveys Requirements		How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	Scoped out as > 100 m from proposed Scheme	
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA		
Photographs					

BUILDING 19					
Grid ref	SW 79383 49469		Final Potential	CONFIRMED ROOST	
Description	→ Stone building but fully rendered. → Lead flashing around chimney & some gaps in mortar → Maternity roost of common pipistrelle and brown long-eared bat. → Only two surveys undertaken, as considered suitably characterised.				
External		Date	05/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched roof with gable ends, slate tiles & flat roof with slate tiles	Stone Barge boards and Soffit box	Wooden frame windows	Gaps behind badge boards and soffits. Facia has come loose creating gaps Some gaps in stone work	Wood, glass conservatory - corrugated plastic roof.
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Insulation present Bitumen roof felt Many holes noted in felt.	7 x 15 x 2m (height) Uncluttered	Simple truss design	Access present under eaves at gable ends	Bat droppings (1000's) Dead Bat – brown long-eared (DNA analysed) Ppip sized droppings & larger droppings Droppings noted mainly underneath the wooden timbres Minimum of x2 species
DNA Analysis	Positive: Brown long-eared				
Limitations	Could only access 50% of roof void				
Potential	Confirmed roost	Surveys Requirements	2	How many surveyors	4
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	14/06/2017	24/07/2017	NA	Ppip and BLE re-entry. Ppip, Ppyg, Rfer, and Paur recorded during survey.	Approximately 100 m from proposed Scheme, as such two surveys and internals were considered suitable to classify the roost.
Weather Conditions	Temp:9 Cloud Cover:0 Wind:0 Rain: 0 Start Time: 03:08 End Time: 05:09	Temp: 16 Cloud Cover: 8 Wind: 1 Rain: 0 Start Time: 03:38 End Time: 05:38	NA		
Results	Yes re-entry- 1xPpip 3x not echolocating	Yes re-entry 2x not echolocating (most likely Paur)	NA		
Photographs					

BUILDING 19	
	

BUILDING 20					
Grid ref	SW 79360 49463		Final Potential	LOW	
Description	→ Two storey building that has been recently renovated, in an overall good condition. → Reduced to low potential following first survey and scoped out from further surveys.				
External		Date	05/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched roof with hipped ridges - slate Soffit box on all sides	Stone walls	Wooden window frames	Small gaps behind soffit boxes. Possible access under tiles. Possible access via ridge vents	
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	New bitumen felting No access from top vents Quiet, floor insulated. Clean and little dust.	6 x 6m 1.5m high Very cluttered beams	No Data	Access from under eaves	No evidence of bats identified
DNA Analysis	NA				
Limitations	NA				
Potential	High reduced to low	Surveys Requirements	1	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	14/06/2017	NA	NA	No bats were recorded entering or emerging from the building. Low activity of non-echolocating bats was recorded (likely Paur).	
Weather Conditions	Temp:9 Cloud Cover:0 Wind:0 Rain: 0 Start Time: 03:09 End Time: 05:09	Reduced to low following first survey	NA		
Results	No emergence/ re-entry.	NA	NA		
Photographs					
NA			NA		

BUILDING 21					
Grid ref	SW 79360 49463		Final Potential	CONFIRMED ROOST	
Description	→ Recent construction, brick and rendered with plastic guttering. → Day / transitional / occasional roost of brown long-eared bat. → Considered suitably characterised following a single dusk emergence survey.				
External		Date			
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Roof edge void. Pitched slate roof (some gaps under tiles) & bitumen felt flat roof Small gaps under barge board. Skylights suggest no roof void, but small service cupboards are present under roof	No data	Wooden window frames	None recorded	Small air vent at gable end - too small for easy access
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Large uncluttered void. Boarded throughout	20 x 5 x 2m Uncluttered	Queen post	Access from under eaves	3 x swallow nests noted on the interior Many flies noted on the floor A total of 3 bat droppings noted
DNA Analysis	Positive: brown long-eared bat				
Limitations					
Potential	CONFIRMED	Surveys Requirements	1	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	31/07/2017	NA	NA	No bats were recorded entering or emerging from building 21. Pipistrelle bat recorded entering & emerging from large barn to west of building 21 (building 22). Not considered to be roosting Common pipistrelle bats, individual *Myotis* species and brown long-eared bats were recorded away from the building during the survey.	
Weather Conditions	Temp: 17 Cloud Cover: 6 Wind: 2 Rain: 0 Start Time: 20:50 End Time: 22:35	NA	NA		
Results	No emergence or re-entry	NA	NA		
Photographs					

BUILDING 21	
	NA

BUILDING 22					
Grid ref	SW 79323 49492		Final Potential	NEGLIGIBLE - LOW	
Description	→ Open wooden barn, corrugated roof, asbestos.				
External		Date	05/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Corrugated asbestos.	Wooden	NA	NA	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Suitable roosting under boards/ gaps between beams	NA	NA	NA	Anecdotal, bat found in piece of piping recently
DNA Analysis	NA				
Limitations					
Potential	NEGLIGIBLE	Surveys Requirements	0	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	Potentially used by bats to forage within. No evidence of the building being used as a roost	
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA		
Photographs					

Notes

A common pipistrelle was recorded to fly into and out of the barn during the survey undertaken atBuilding 21 on 31/07/2017. The bat was not considered to be roosting, just flying within the large open barn.

BUILDING 23					
Grid ref	SW 79298 49500		Final Potential	NEGLIGIBLE	
Description	→ Large barn with new metal cladded extension				
External		Date	05/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Asbestos concrete pitched roof. Some bitumen covered - small gaps No roof void	Rendered block walls with some timber and metal cladding	No data	None	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	No internal survey undertaken				
DNA Analysis	NA				
Limitations	No internal survey undertaken				
Potential	NEGLIGIBLE	Surveys Requirements	Scoped Out	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA		
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA		
Photographs					
			NA		

BUILDING 24					
Grid ref	SW 79016 49662		Final Potential	NA	
Description	→ No survey at all as scoped out due to distance from proposed Scheme				
External		Date	NA		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	NA	NA	NA	NA	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	NA	NA	NA	NA	NA
DNA Analysis					
Limitations					
Potential		Surveys Requirements	Scoped Out (>100m)	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	NA	NA
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA		
Photographs					
NA			NA		

BUILDING 25 / 25A					
Grid ref	SW 79016 49662		Final Potential	CONFIRMED ROOST	
Description	→ Bungalow with pebble dash walls. One chimney present. → Building 25A is the garage associated with Building 25. The walls are pebble dashed; there is an asbestos roof with some slightly raised ridge tiles. The garage has wooden windows. No roof void is present and the garage is considered to have negligible potential. → Confirmed brown long-eared roost. → Scoped out due to distance from proposed Scheme				
External		Date	11/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Hipped slate roof	Pebble dashed	PVC windows	None recorded	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Large open void Bitumen felt Insulated	10m x 13m	NA	NA	Two clusters of droppings at each of the joins where ridge meets hips Various ages - likely brown long eared summer day roost
DNA Analysis	Positive: Brown long-eared bat				
Limitations					
Potential	Confirmed Roost	Surveys Requirements	Scoped Out (>100m)	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA		
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA		
Photographs					

BUILDING 26					
Grid ref	SW 79937 50177		Final Potential	LOW	
Description	→ Open horse stables with corrugated asbestos roof and breeze block walls.				
External		Date	06/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Corrugated asbestos roof Single storey pitched roof	Concrete	Wooden stable doors & frames. Corrugated plastic skylights	Doors on southern side - left half open = easy access	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Breeze block partitioning half way walls	NA	Wooden rafters, Kingpost and fink truss system.	Some skylights broken, very exposed	Extensive evidence of rat and bird activity No evidence of bat identified
DNA Analysis	NA				
Limitations	NA				
Potential	Low	Surveys Requirements	1	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	27/07/2017	NA	NA	No emergence or re-entry	NA
Weather Conditions	Temp:16 Cloud Cover:8 Wind:2 Rain:0 Start Time: 04:10 End Time: 05:40	NA	NA		
Results	No emergence or re-entry	NA	NA		
Photographs					

BUILDING 27A					
Grid ref	SW 79890 50283		Final Potential	MODERATE	
Description	→ Main building, considered suitable for crevice dwelling bats only. → Buildings 27B, 27C and 27E were considered negligible potential. → Building to be directly impacted.				
External		Date	03/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched slate roof with gable ends	Stone, in good condition	Wooden side-hung windows. Skylights present in roof.	Gaps present underneath fascia on both sides of building No obvious further gaps noted	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	No roof void Suitable for crevice dwellers only.	NA	NA	NA	NA
DNA Analysis	NA				
Limitations					
Potential	Moderate	Surveys Requirements	2	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	31/05/2017	01/08/2017	NA	No emergence/ re-entry. Ppip activity only	NA
Weather Conditions	Temp:15 Cloud Cover:7/8 Wind:0-1 Rain:0 Start Time: 21:06 End Time: 22:49	Temp: 13 Cloud Cover: 1 Wind: 2 Rain: 0 Start Time: 04:19 End Time: 05:48	NA		
Results	No emergence/ re-entry	No emergence/ re-entry	NA		
Photographs					

BUILDING 27D					
Grid ref	SW 79895 50290		Final Potential	LOW	
Description	→ 27D: Small stone outbuildings → Can be exhaustively searched from the ground. No further surveys required.				
External		Date	03/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Corrugated sheet roofing.	Stone	NA	None	Ivy on whole building thick vegetation, no uncluttered drop zone.
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Small storage shed that is well used.	NA	NA	No obvious access points, uncluttered.	No sign of bat use
DNA Analysis	NA				
Limitations					
Potential	LOW	Surveys Requirements	Scoped Out	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	31/05/2017	NA	NA	Ppip activity	
Weather Conditions	Temp:15 Cloud Cover:7/8 Wind:0-1 Rain:0 Start Time: 21:06 End Time: 22:49	NA	NA		
Results	No emergence/ re-entry	NA	NA		
Photographs					
Photo corrupted			Photo corrupted		

BUILDING 28					
Grid ref	SW 79844 50293		Final Potential	MODERATE	
Description	→ No access for internal / external survey. → Scoped out due to distance from proposed Scheme				
External		Date	05/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	NA	NA	NA	NA	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	NA	NA	NA	NA	NA
DNA Analysis	NA				
Limitations	No access				
Potential	Assumed moderate	Surveys Requirements	Scoped Out	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	01/08/2017	NA	NA	No bats were recorded entering or emerging from the building. No bat activity recorded.	Access limited to front of building only, with limited visibility due to H&S issues with proximity of road. Unable to secure further access. Scoped out due to distance from proposed scheme.
Weather Conditions	Temp: 12 Cloud Cover: 3 Wind: 0 Rain: 0 Start Time: 04:18 End Time: 05:48	NA	NA		
Results	No emergence/re-entry	NA	NA		
Photographs					
NA			NA		

BUILDING 29					
Grid ref	SW 79871 50334		Final Potential	LOW	
Description	→ Main building with a chimney and plastic fascia and a shed. → Scoped out due to distance from proposed Scheme.				
External		Date	06/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Main Building: Roof replaced in 2009, in good condition. Pitched slate roof with hipped ridges. Lead flashing present at the eves.	Rendered stone.	Plastic side hung windows - no obvious gaps	Gaps behind the fascia- suitable for crevice dwelling bats. Gaps under lead flashing	Stone shed covered in ivy. Shed: access suitable from above the ridge beam over the door
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Warm / hot, Noisy from road traffic, dusty. Fully insulated, double thickness Water tank fully covered	5 x 20 x 2m (tall) Uncluttered, clean and dry. Clear, flight path but becomes cluttered at northern end.	Wooden truss & ridge beam. Simple truss design	Access at eves Slipped tile providing access into void.	None recorded
DNA Analysis	NA				
Limitations	NA				
Potential	Moderate / low	Surveys Requirements	2	How many surveyors	3
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	27/06/2017	NA	NA	No bats were recorded entering or emerging from the building. Individual Ppip passes recorded.	
Weather Conditions	Temp:12.5 Cloud Cover: 6 Wind: 0 Rain: 0 Start Time: 03:40 End Time: 05:25	Reduced to low following first survey because of very low levels of bat activity.	NA		
Results	No re-entry	NA	NA		
Photographs					

BUILDING 30					
Grid ref	SW 79879 50349		Final Potential	LOW	
Description	→ New build with small wooden sheds → No access granted to undertake surveys on arrival.				
External		Date	04/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	NA	NA	NA	NA	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	No internal roof void	NA	NA	NA	NA
DNA Analysis	NA				
Limitations	No access				
Potential	Low	Surveys Requirements	NA	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	NA	NA
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA		
Photographs					

BUILDING 31			
Grid ref	SW 79879 50349	Final Potential	NEGLIGIBLE
Description	Shed: No walls No access		

BUILDING 32					
Grid ref	SW 79917 50357		Final Potential	MODERATE	
Description	→ Painted stone house with metal fascia.				
External		Date	04/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched roof with gable ends and slate tiles The roof is in good condition	Stone	Windows are plastic Side-hung No gaps present	Gaps under the fascia	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Bitumen felt Dusty Wooden ridge beams	No data Not cluttered	Simple truss design	Access possible near chimney. Breeze noted although access point not found Possible access under tiles & in-between felt (although limited)	Within the southern section of the roof void possible bat droppings (~10) typical of common pipistrelle (could not safely collect) Cobwebs present. Suitable for bats. Within the northern roof void only one dropping noted (not safe to collect).
DNA Analysis	Could not safely collect, as such could not confirm a roost				
Limitations	Not possible to survey all of roof void - H&S (3/4 surveyed)				
Potential	MODERATE	Surveys Requirements	2	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	NA	No response from land owner to undertake further surveys
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA		
Photographs					
					

BUILDING 33			
Grid ref	TBC	Final Potential	No Access
Description	No access		

BUILDING 34					
Grid ref	SW 79917 50357		Final Potential	Negligible-Low	
Description	→ Painted stone out-building that is daily used				
External		Date	04/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Flat corrugated metal roof.	Stone	NA	Above door	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Very cluttered shed, garden equipment filled to the ceiling	NA	NA	Above door	NA
DNA Analysis	NA				
Limitations	The building was too cluttered to fully check, although it is used very regularly.				
Potential	Negligible	Surveys Requirements	0	How many surveyors	0
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	NA	NA
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA		
Photographs					

BUILDING 35					
Grid ref	SW 80028 50392		Final Potential	CONFIRMED ROOST	
Description	→ Stone barn with an open window and door. The building has a corrugated roof. → Known multi-species roost, used by individual bats. → Night roost of lesser horseshoe bat, and *Myotis* species (the *Myotis* recorded incidentally during 2016 at the time of survey, this was considered to be a Natterer's bat). The lesser horseshoe bat was recorded to be roosting on the most eastern beam during the June 2016 transect survey. → Bats have been recorded foraging within the building during all surveys. It is likely that the brown long-eared bats and LHS are also using the buildings as a feeding roost → Day / transitional / occasional roost common pipistrelle.				
External		Date	07/09/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Corrugated metal roofing sheets	Large stone and cobb walls with likely rubble infill. Large gaps within walls	NA	Lots of gaps in the walls giving access to larger voids	Rodent skull noted within large crack. Might be suitable for hibernating bats (not horseshoe). The building was extensively surveyed using an endoscope.
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Occasionally used barn. Swallows nesting within the barn.	3 x 4 m	NA	Where window was removed	NA:- Lots of swallow evidence (bird droppings) No bat droppings were noted.
DNA Analysis	NA				
Limitations	NA				
Potential		Surveys Requirements	3	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	24/08/17	31/08/17	07/09/17	Activity recorded constantly throughout the surveys. Brown long-eared bats seem to be foraging within the building	Due to access restrictions it was not possible to spread the surveys evenly across the survey season. Due to the structure of the building, it was possible to extensively inspect the crevice features and interior. The re-entry surveys were undertaken when maternity
Weather Conditions	Temp: 16 Cloud Cover:8 Wind: 0 Rain:0 Start time: 04:54 End time: 06:30	Temp: 17 Cloud Cover: 1 Wind:0 Rain:0 Start time: 04:55 End time: 06:47	Temp: 14.3 Cloud Cover: 8 Wind:0 Rain:0 Start time: 05:17 End time: 06:50		

					roosts were still present within the surrounding buildings (building 38 located within 100 m). Furthermore the building was extensively observed during the Crossing point surveys at this location. A total of six dusk crossing point surveys[19] were undertaken on the following dates: 23/08/2016 27/09/2016 22/08/2017 29/08/2017 30/08/2017 All crossing point surveys commenced at sunset and lasted for two hours. All surveys were assisted by a thermal imager (Flir T460 and E60). . No activity suggesting a maternity roost was recorded.
Results	No emergence/ re-entry	No emergence/ re-entry	3x Ppip re-entered and 2 x Ppip emerged. 1 x Ppip re-entered and emerged		
Photographs:- External of the building					
					

BUILDING 36					
Grid ref	SW 80059 50319		Final Potential	CONFIRMED ROOST	
Description	→ Bungalow, not internally or fully externally surveyed due to access restrictions (elderly man with carer). → Pebble dashed bungalow with a pitched roof and gable ends. The windows were plastic, double glazed. → Day / transitional / occasional roost of common pipistrelle and possible brown long-eared bat.				
External	Roof Description Pitched corrugated roof	Wall Construction Stone	Window description NA	Access points Doors had been removed	Other features Noted NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	**Limitations**
Date	26/07/2016	23/08/17	24/08/17		
Weather Conditions	Temp: 15 Cloud Cover: 8 Wind: 1 Rain: 0 Start Time: 03:40 End Time: 05:55	Temp: 18 Cloud Cover: 8 Wind: 1 Rain: 0 Start Time: 04:50 End Time: 06:20	Temp: 19 Cloud Cover: 0 Wind: 0 Rain: 0 Start Time: 20:05 End Time: 21:54	Ppip re-entry and emergence into the apex at the end of roof. and not echolocating re-entry and emergence. Low levels of Ppip activity and Paur recorded.	Access was not provided for internal or external survey
Results	Ppip re-entry	Bat not echolocating re-entry.	2 xPpip and 2 x not echolocating emerged		
Photographs					

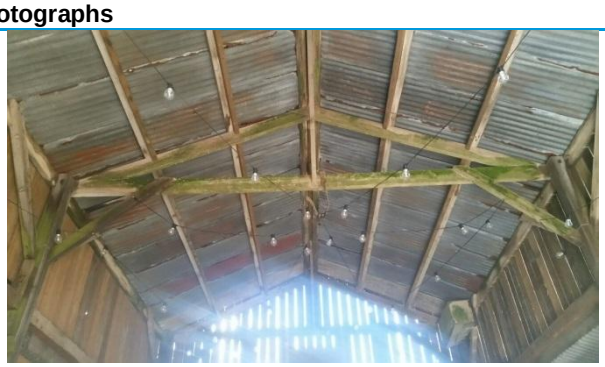
BUILDING 37					
Grid ref	SW 80086 50317		Final Potential	CONFIRMED ROOST	
Description	→ Stone and cobb walled building with a pitched corrugated metal roof → The shed is open and is considered a possible night roost/ feeding roost → Internal - Not undertaken as very ill sheep within → Day / transitional / occasional / night roost of brown long-eared bat				
External		Date	18/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched corrugated roof	Stone	NA	Doors had been removed	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Large out building, with ivy grown along the inside of the walls	3x5 m	NA	Access to the internal of the building where the doors have been removed. Access is possible to the internal of the wall where large gaps exists between where the wall and the roof meet.	No evidence recorded.
DNA Analysis	NA				
Limitations	Internal survey undertaken on 23/08/2017 immediately following re-entry survey (no endoscope).				
Potential	Moderate	Surveys Requirements	2	How many surveyors	3
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	26/07/2017	23/08/2017	NA	Ppip, Myotis and Paur recorded during the survey.	NA
Weather Conditions	Temp: 15 Cloud Cover: 8 Wind: 1 Rain: 0 Start Time: 03:40 End Time: 05:55	Temp: 17 Cloud Cover: 0 Wind: 0 Rain: 0 Start Time: 04:50 End Time: 06:25	NA		
Results	Single brown long-eared bat seen re-entering the building.	Up to two brown long-eared bats using the building as a night roost/foraging inside (only one bat noted at a time). Single brown long-eared bat recorded re-entering building.	NA	Bats were using the internal as a night roost and possibly to forage along the ivy along the walls of the internal of the building..	

Photographs	
NA	NA

BUILDING 38					
Grid ref	SW 80130 50302		Final Potential	CONFIRMED	
Description	→ Stone and brick building, roof has been recently re-tiled. → Common pipistrelle and brown long-eared maternity, and *Myotis* day roost. → The buildings within the Nancarrow Farm Complex are covered under a Natural England EPS Licence, it is assumed that these were 38 / 40 / 41 / 41A / 41 B (as these have been recently refurbished) Species covered by the licence included the following species: Lesser and greater horseshoe bats; common pipistrelle; soprano pipistrelle; Daubenton's bats; brown long-eared bats; and Natterer's bat for the destruction of a resting place and breeding site (the information available was not species-specific). → No evidence of lesser or greater horseshoe bats were recorded, although they should be assumed present. → As the building is ~ 100 m from road further surveys were scoped out, however, it should be noted that this is an important roost site.				
External		Date	18/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched roof, with slate hipped ridges. Building has been recently re-roofed	Stone/Brick Wooden fascias.	Side hung and skylight window	Access points are present under the eaves of the buildings and where the wooden facia's meet the brick.	Chimney present. Known roost.
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Large warm roof void. Breathable roofing membrane present. Due to recent works, the roof void has been cleaned, as such evidence is likely to be from 2017 / end of 2016.	10 x 6m. 3m Height Uncluttered	NA	Installed access to the roof void via gaps at the ridge beams & eves, according to land owner - Gaps present in chimney	Already few thousand droppings - clearly used yearly. Droppings range from fresh to ancient Droppings are clustered mainly at the apex of hipped ridge Evidence of droppings throughout Droppings typical of brown long-eared-bat. Bat skeleton found Urine staining throughout
DNA Analysis	Positive: Brown long-eared bat				
Limitations	Not possible to access the norther section of the house. Landowner informs that there isn't a roof void present.				
Potential	Confirmed Roost	Surveys Requirements	1	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations

BUILDING 38					
Date	24/08/17	NA	NA	Paur maternity roost in roof void, Ppip maternity roost in roof void by the porch behind guttering. Possible *Myotis* re-entry.	AN
Weather Conditions	Temp: 14 Cloud Cover: 8 Wind:1 Rain:0 Start time: 04:52 End time: 06:35	NA	NA		
Results	~10-19 Paur (maternity) in roof void ~14-20 Ppip (maternity) roof void by the porch behind guttering. Single *Myotis* re-entry.	NA	NA		
Photographs					

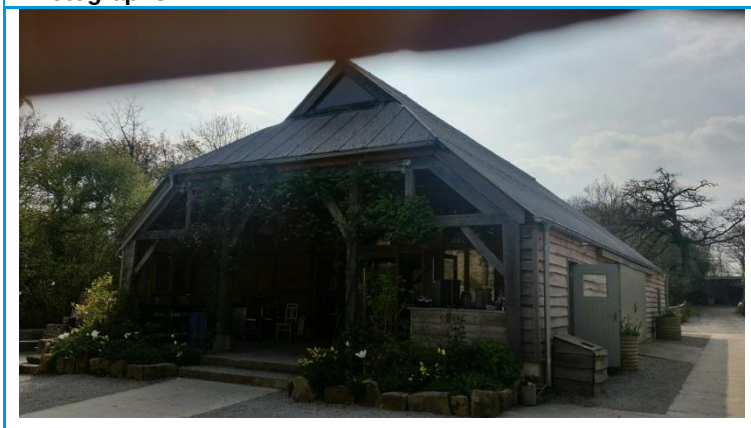
BUILDING 39					
Grid ref	SW 80164 50227		Final Potential	NEGLIGIBLE	
Description	→ Converted barn that has no internal or external features. → Barn owl box located within the barn, looks as if jackdaws may be nesting.				
External		Date	18/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched roof with corrugated metal roof	Wooden barn	NA	Access to the internal of the barn throughout	Regularly used for ceremonies
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Large barn, no voids or features suitable for roosting bats	NA	NA	NA	NA
DNA Analysis	NA				
Limitations	NA				
Potential	Negligible	Surveys Requirements	NA	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date					
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA		
Photographs					



BUILDING 40					
Grid ref	SW 80164 50227		Final Potential	CONFIRMED ROOST	
Description	→ Converted barn with gaps near the fascia's. → Wooden shed adjacent has negligible potential. → Common pipistrelle maternity roost. → Scoped out due to distance from proposed Scheme.				
External		Date	18/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched roof with hipped ridge and slate tiles.	Stone	No gaps around windows	Gap in ridge tile and access under fascia's	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	No roof void as such no internal	NA	NA	NA	NA
DNA Analysis	NA				
Limitations	NA				
Potential	Confirmed Roost	Surveys Requirements	1 (>100)	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	25/07/2016	NA	NA	Ppip maternity roost. High levels of Paur activity recorded.	
Weather Conditions	Temp: 17 Cloud Cover: 7 Wind: 1 Rain: 0 Start Time: 21:05 End Time: 22:48	NA	NA		
Results	A total 11 Ppips recorded emerging from under the eaves. Two re-entries recorded. Roost of at least nine Ppip	NA	NA		
Photographs					

BUILDING 40	
	

BUILDING 41 / A / B					
Grid ref	SW 80145 50236		Final Potential	LOW	
Description	→ Wooden buildings (timber-clad), fascia and gable ends present. → Scoped out due to distance from the proposed Scheme.				
External		Date			
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched asbestos cement roof. 41A and B have slate tiled pitched roofs.	Timber	No gaps around windows	Gaps under roof material corrugations. Gaps behind timber cladding	
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	No roof void	NA	No data	NA	NA
DNA Analysis	NA				
Limitations					
Potential	LOW	Surveys Requirements	1 (>100m)	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	25/07/2016	NA	NA	No bats were recorded emerging or re-entering the building. Ppip activity recorded throughout the survey with some foraging recorded also.	
Weather Conditions	Temp: 17 Cloud Cover: 7 Wind: 1 Rain: 0 Start Time: 21:05 End Time: 22:48	NA	NA		
Results	No emergence/ re-entry	NA	NA		
Photographs					



BUILDING 42					
Grid ref	SW 80462 50913		Final Potential	CONFIRMED ROOST	
Description	→ Gatehouse on entrance to Chiverton estate. → Day / transitional / occasional roost of brown long-eared bat and common pipistrelle.				
External		Date	18/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched roof with valleys. Gable ends - cement roof tiles	Timber-clad	No data	Some lifted tiles	Likely Ppip roost.
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	No lining present. Insulation covers roof beams. Water tank present	1.5m tall Cluttered, lots of spider webs present	No data	Couple of access points in northern side where tiles have been lifted.	Few scatterings of droppings over viewed roof area Lots of mouse evidence.
DNA Analysis	Positive: Common pipistrelle and brown long-eared				
Limitations	Could only access 50% of roof void.				
Potential	HIGH	Surveys Requirements	2	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	20/06/17	01/08/17	NA	Ppip Emerged from the north gable end under fascia board. Other activity mainly Ppip and Myotis Communting. Nnoc, Eser and Rhip also recorded	Third survey was cancelled due to weather, not possible to contact landowner to arrange re-survey. No further surveys are considered necessary as the building is on the 50 m boundary and is considered to be suitably characterised.
Weather Conditions	Temp: 23 Cloud Cover: 1 Wind: 0 Rain: 0 Start Time: 21:23 End Time: 23:04	Temp: 16 Cloud Cover: 8 Wind: 2 Rain: 0 Start Time: 20:49 End Time: 22:34	NA		
Results	Ppip emergence	No emergence / re-entry	NA		
Photographs					

BUILDING 43					
Grid ref	SW 80587 50964		Final Potential	LOW	
Description	→ Bungalow with no internal void. → Building looks in good condition. → Scoped out following confirmation of proposed Scheme alignment.				
External		Date	18/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	2015 newly fitted roof	Breeze block	Plastic, side hung	None recorded	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	No roof void so no internal undertaken	NA	NA	NA	No bats
DNA Analysis	NA				
Limitations					
Potential	LOW	Surveys Requirements	2	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	21/06/2017	NA	NA	No bats were recorded emerging or re-entering the building. Low level of Ppip activity recorded.	
Weather Conditions	Temp: 19 Cloud Cover: 0 Wind: 3 Rain: 0 Start Time: 03:39 End Time: 05:24	Scoped out following confirmation of proposed Scheme alignment.	NA		
Results	No emergence/ re-entry.	NA	NA		
Photographs					
NA			NA		

BUILDING 44A-G					
Grid ref	SW 80797 50968		Final Potential	CONFIRMED ROOST	
Description	→ 44A: House-Confirmed roost: Day / transitional / occasional roost of brown long-eared bats and common pipistrelle. → 44B: Garage: Regularly used store, very cluttered an unable to fully inspect, no roof void, slate roof in good condition, considered negligible (did not undergo further surveys) → 44C: Lean-to space at top of wall under fascia where bats can get under (surveyed as part of the main house survey) → 44D: Wooden tool shed in good condition, with no evidence. Considered to have negligible condition (did not undergo further surveys) → 44E: Old well and wood store: well covered up, wooden door, asbestos present, considered to have negligible potential (did not undergo further surveys) → 44F: Old privy-no evidence, slipped tiles open to roof internally, no liner, ivy covered, low to moderate potential for crevice dwellers. → 2x bat boxes in ash trees (no droppings noted). Checked with torch at the beginning of each survey. → 44G: Summer house: 2 or 3 bats flew out when painted (incidental sighting by resident). Likely Ppip (according to resident) summer day roost. Wooden roof boards lifted and provided good crevice space. Could be fully surveyed using torch (checked at the beginning of each survey).				
External		Date			
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	44A: No data	Stone walls	Side hung	Gaps noted along ridge beam	Bat boxes in trees
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Uncluttered roof void with BRM. Used to be a large bat roost, but bats have not been using it regularly for the last 15 years.	NA	NA	Under eaves.	Droppings in 44A: some Paur (sampled) some likely pipistrelle (not sampled). Droppings collected from the wall of 44C.
DNA Analysis	Positive 44A: Brown long-eared. 44C: Fail				
Limitations	NA				
Potential	Confirmed roost	Surveys Requirements	3	How many surveyors	3
Emergence / Re-entry (44A andC)	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	31/05/2017	03/08/2017	26/09/2017	A single Paur emerged from the building at	On the final survey the number of

BUILDING 44A-G					
Weather Conditions	Temp:16 Cloud Cover:7/8 Wind:3 Rain:0 Start Time: 21:06 End Time: 22:51	Temp: 15 Cloud Cover: 3 Wind: 5 Rain: 0 Start Time: 04:20 End Time: 05:50	Temp: 17.5 Cloud Cover: 6/8 Wind: 4 Rain: 0 Start Time: 18:50 End Time: 20:40	the eastern aspect (exact location not confirmed).	surveyors was reduced to two, as the surveys were concentrated on likely access locations.. Not considered limiting.
Results	Emergence of a single Paur from the main building 44A. Bat boxes checked with torch	No emergence/re-entry Bat boxes checked with torch.	Single Ppip emerged from the main building 44. A bat not echolocating emerged from the main building 44C.		

Photographs 44A-G

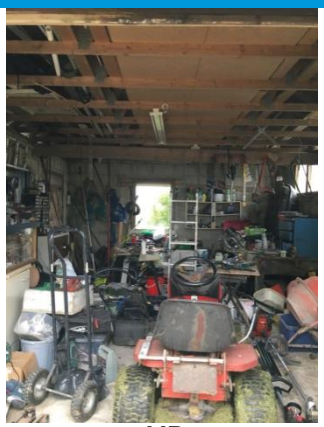
Internal 44A

44A

44G

Bat boxes

44E

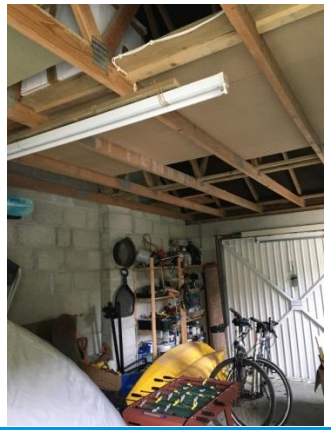
BUILDING 44A-G	
 44B	
 44C	 44D

BUILDING 45 / A / B					
Grid ref	SW 81175 51880		Final Potential	CONFIRMED ROOST	
Description	→ Stone barn converted to residential property with associated out houses. → Scoped out due to distance from proposed Scheme. → Common pipistrelle roost				
External		Date	12/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Complex hipped ridge building with a flat slate roof single storey extension	Stone No obvious crack / access point within the wall. The building has wooden fascia's.	Wooden frames, no gaps.	None recorded	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Large open void. Boarded and Insulated	Tight roof void c. 1.5m x 15m	NA	Light entering at the eaves	Two clusters of droppings each containing under 100 droppings. Several 100 mouse droppings
DNA Analysis	Positive: Common pipistrelle				
Limitations	NA				
Potential	Confirmed roost	Surveys Requirements	1 (>100m)	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	**Limitations**
Date	26/07/2016	NA	NA	No emergence or re-entry. Ppip activity and individual Myotis and noctule passes.	
Weather Conditions	Temp: 15 Cloud Cover: 7 Wind: 1 Rain: 0 Start Time: 04:00 End Time: 05:55	Scoped out due to distance from proposed Scheme	NA		
Results	No emergence / re-entry	NA	NA		
Photographs					

BUILDING 46-and 46 A					
Grid ref	SW 80210 50866		Final Potential	CONFIRMED ROOST	
Description	→ Stone residential property with a number of out –houses and garages. → Likely maternity roost for brown long-eared bats and common pipistrelle. → Scoped out due to distance from proposed Scheme.				
External		Date	18/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	46: Pitched roof with hipped ridges 46A: Pitched roof with gable ends.	No data	No data	None recorded	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	46: two voids with gaps present throughout, no felt lining present 46A: outhouse, with boarded and insulated roof void.	46: 7m x 5m and 1.5m height 46: No data	46: NA 46A: Queen post system	NA	46: None recorded 46A: Over 4000 droppings scattered throughout with clusters at the gable ends.
DNA Analysis	Positive: Common pipistrelle and brown long-eared bat				
Limitations	Main void contained large wasps nest - not fully accessed				
Potential	CONFIRMED ROOST	Surveys Requirements	0 (>100m)	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	NA	NA
Weather Conditions	NA	NA	NA		
Results					
Photographs					

BUILDING 47A-Main house					
Grid ref	SW 81205 51923		Final Potential	CONFIRMED ROOST	
Description	→ New house built in 1998 → Confirmed brown long-eared bat and pipistrelle roost. → Scoped out due to distance from proposed Scheme.				
External		Date	12/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched slate roof with gable ends and brick chimney.	Exposed stone and rendered concrete block	PVC	None recorded	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Bitumen felt lined, open and insulated. Dark-no obvious gaps.	5m x 8m	Trussed	Gap around chimney	Hundreds of droppings concentrated near chimney with <100 scattered elsewhere
DNA Analysis	Positive: Brown long-eared				
Limitations					
Potential	CONFIRMED ROOST	Surveys Requirements	0 (>100m)	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	26/07/2016	NA	NA	Three Ppip recorded re-entering the building during a roaming / backtracking survey.	Surveyors were not stationed around the building.
Weather Conditions	Temp: 15 Cloud Cover: 7 Wind: 1 Rain: 0 Start Time: 04:00 End Time: 05:55	Scoped out due to distance from proposed Scheme	NA		
Results	3 x Ppip re-entry recorded	NA	NA		
Photographs					

BUILDING 47B-Garage					
Grid ref	SW 81200 51908		Final Potential	LOW	
Description	→ Garage with no roof void → Scoped out after visit 1 due to distance from proposed Scheme				
External		Date	12/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Overhanging slate edge tiles with good potential (fascia tiles). No roof void.	NA	NA	NA	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	No roof void	NA	NA	NA	No evidence (inspected internally)
DNA Analysis	NA				
Limitations					
Potential	LOW	Surveys Requirements	0 (>100m)	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	26/07/2016	NA	NA	NA	NA
Weather Conditions	Temp: 15 Cloud Cover: 7 Wind: 1 Rain: 0 Start Time: 04:00 End Time: 05:55	NA	NA	NA	NA
Results	No emergence / re-entry	NA	NA	NA	NA
Photographs					



BUILDING 48					
Grid ref	SW 81217 51952		Final Potential	No Access	
Description	→ No access				
External		Date			
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	NA	NA	NA	NA	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	NA	NA	NA	NA	NA)
Limitations					
Potential	NA	Surveys Requirements	0 (>100m)	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	NA	NA
Weather Conditions	NA	NA	NA	NA	NA
Results	NA	NA	NA	NA	NA
Photographs					

BUILDING 49A					
Grid ref	SW 81319 52160		Final Potential	LOW	
Description	→ Main house, re-roofed approximately 3 years ago. → Scoped out due to distance from proposed Scheme.				
External		Date	18/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched roof and gable ends	No data	No data	None recorded	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Roof is fully sealed - BRM installed. Majority of floor is boarded, insulation on the southern 1/3rd of loft. Fairly dusty.	8 x 3 and 1.5m height Uncluttered	Simple roof design	None recorded	Suitable for crevice dwellers Low amount of mouse evidence No obvious bat evidence Potential for individual bats No evidence of significant roost.
DNA Analysis	NA				
Limitations	NA				
Potential	LOW	Surveys Requirements	0 (>100m)	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	NA	NA
Weather Conditions	NA	NA	NA		
Results					
Photographs					
NA			NA		

BUILDING 49B-Barns					
Grid ref	SW 81306 52175		Final Potential	LOW	
Description	→ Large stone outbuildings, all barns the same so described together. → Scoped out due to distance from proposed Scheme.				
External		Date			
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Asbestos roofing sheets	Stone	NA	Open stable doors	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	- Lots of light and very breezy			Open stable doors - lots of access	Potential for crevice dwellers Suitable for Pip hibernation Potential to be used as a night feeding roost Low potential = small number of bats Low potential = new floor & no access Moderate potential in walls
DNA Analysis	NA				
Limitations					
Potential	LOW (for individual bats)	Surveys Requirements	0 (>100m)	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	NA	NA
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA	NA	NA
Photographs					

BUILDING 50			
Grid ref		Final Potential	No access
Description	Scoped out >100m		

BUILDING 51					
Grid ref	SW 81516 52109		Final Potential	CONFIRMED ROOST	
Description	→ Residential stone building. → No access to complete external or internal surveys – Only emergence from outside property. → Confirmed maternity roost, *Myotis* and brown long-eared. The *Myotis* species was considered likely to be Natterer's bat (although this is not confirmed). The peak count of bats was approximately 40 individuals. Day / transitional / occasional common pipistrelle roost.				
External		Date	NA		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	NA	NA	NA	NA	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	NA	NA	NA	NA	NA
DNA Analysis	NA				
Limitations	No access for external or internal inspections				
Potential	NA	Surveys Requirements	NA	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	271/07/2016	01/06/17	11/07/17	Maternity roost of *Myotis*. Species, and possibly brown long-eared. Single Ppip recorded emerging	No access close to building to identify exact roost access point.
Weather Conditions	Temp:16 Cloud Cover:4 Wind:0 Rain:0 Start Time: 20:55 End Time: 22:55	Temp:17 Cloud Cover: 2 Wind:1 Rain:0 Start Time:21:06 End Time: 23:22	Temp:16 Cloud Cover:8 Wind:1 Rain:0 Start Time:03:38 End Time:05:20		
Results	Large numbers of non echolocating and *Myotis* bats recorded re-entering and emerging the buildings. Single Ppip recorded emerging.	.~41 Bats Emerging, of which three were not echolocating, the remaining 39 were Myotis.	Large numbers re-entering. Many quiet or not echolocating, but Myotis activity recorded.		
Photographs: NA					
NA		NA			

BUILDING 52					
Grid ref	SW 81566 52122		Final Potential	NEGLIGIBLE - LOW	
Description	→ Cattle shed that is open and very well used. → Scoped out due to distance from proposed Scheme.				
External		Date	04/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	NA	NA	NA	NA	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	NA	NA	NA	NA	NA
DNA Analysis	NA				
Limitations	No access due to cows in field				
Potential	LOW	Surveys Requirements	NA	How many surveyors	NA
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	NA	NA
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA	NA	NA
Photographs					
NA			NA		

BUILDING 53					
Grid ref	SW 81617 52164		Final Potential	CONFIRMED ROOST	
Description	→ Stone barn / garage. → Confirmed day / transitional / occasional common pipistrelle roost and possible brown long-eared night roost. → Building is located approximately 100 m from the Scheme (main road).				
External		Date	04/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Corrugated metal pitched roof	stone	NA	Through large gaps / open doors.	Crevices in walls
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	NA	NA	NA	NA	Roosting potential in roof ridge
DNA Analysis	NA	NA	NA	NA	
Limitations	Not able to access the internal of the building as it was locked.				
Potential	LOW	Surveys Requirements	1, increased to 3 on ID of roost	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	28/07/2016	01/06/2017	11/07/17	Ppip emergence. Ppip, *Myotis* and GHS activity.	
Weather Conditions	Temp: 14 Cloud Cover: 7 Wind: 0 Rain: 0 Start Time: 04:15 End Time: 05:58	Temp: 14 Cloud Cover: 7 Wind: 0 Rain: 0 Start Time: 21:07 End Time: 23:22	Temp: 16 Cloud Cover: 8 Wind: 0 Rain: 0 Start Time: 03:35 End Time: 05:25		
Results	One Ppip re-entry recorded into the apex at the top of the roof.	Ppip emergence	Bat emerged and re-entered-not echo locating (likely *Paur*). Possible night roost.		
Photographs					
NA			NA		

BUILDING 54					
Grid ref	SW 81676 52216		Final Potential	CONFIRMED ROOST	
Description	→ Main house. → Confirmed common pipistrelle maternity roost. → Reduced scoped out as the surveys are considered suitable to characterise the roost in relation to the distance from proposed Scheme.				
External		Date	04/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	NA		NA	NA	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	NA	NA	NA	NA	NA
Limitations	No access for external or internal surveys – only for emergence/re-entry surveys				
DNA analysis	NA				
Potential	CONFIRMED ROOST	Surveys Requirements	3	How many surveyors	3
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	01/06/2017	13/07/17	NA	Ppip maternity colony, high levels of Ppip activity.	Scoped down to 2 surveys as considered suitable to characterise the roost.
Weather Conditions	Temp: 14 Cloud Cover: 7 Wind: 1 Rain: 0 Start Time: 03:45 End Time: 05:31	Temp: 13 Cloud Cover: 5 Wind: 0 Rain: 0 Start Time: 03:32 End Time: 05:23	NA		
Results	20 bats entering & 12 emerging. Maternity colony for ~ 8-10 bats.	10-12 Ppip re-entered chimney, 3 emerged. Maternity colony of 7-10 bats	NA		
Photographs					
NA			NA		

BUILDING 55A					
Grid ref	SW 81705 52197		Final Potential	CONFIRMED ROOST	
Description	→ Sheds were made from stone, with large access points and cracks leading into the wall voids. → Confirmed common pipistrelle day / transitional / occasional roost. → Scoped out due to distance from proposed Scheme.				
External		Date	04/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	No data	Stone walls	No data	Crevices in walls and gaps over doorways	Quite light potential to support low numbers of bats.
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	NA	NA	NA	NA	NA
DNA Analysis	NA				
Limitations	Could not access internal areas due to cows				
Potential	NA	Surveys Requirements	2	How many surveyors	3
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	01/06/2017	11/07/17		High levels of Ppip foraging activity. Individual recordings of Nnoc, Eser, Rhip	
Weather Conditions	Temp: 14 Cloud Cover: 8 Wind: 0 Rain: 0 Start Time: 03:16 End Time: 05:31	Temp: 15 Cloud Cover: 7 Wind: 0 Rain: 0 Start Time: 03:30 End Time: 05:36	NA		
Results	Re-entry of 2 Ppip on the building next door (part of same building). No re-entry for the surveyed building.	No emergence/re-entry	NA		
Photographs					
					

BUILDING 56A and B (Same Building, two loft spaces)					
Grid ref	SW 81532 52343		Final Potential	CONFIRMED ROOST	
Description	→ Residential property with slate roof and gable ends. → Day / transitional / occasional common pipistrelle and brown long-eared roost				
External		Date	05/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Slate pitched roof building with gable ends	Stone	No data	Possible gaps around chimney and at the eves.	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Well insulated on floor 56B-Very cluttered	10m long, 3m wide, 1.5m high 56B: 1m x 1m	Simple truss beams over bitumen felt	NA 56B-Access under slipped tiles	Lots of mouse droppings Possible droppings 20-50 scattered within garage roof void.. Droppings collected from the garage.
DNA Analysis	Positive: brown long-eared				
Limitations	Not safe to walk through roof void - Unsound beams 56B: Not safe to access				
Potential	MODERATE	Surveys Requirements	2	How many surveyors	2-3
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	28/06/17	02/08/2017	16/08/2017	Ppip emergence and re-entry.	
Weather Conditions	Temp: 16 Cloud Cover: 8 Wind: 0 Rain: 1 Start Time: 03:41 End Time: 05:11	Temp: 16 Cloud Cover: 2 Wind: 3 Rain: 0 Start Time: 20:45 End Time: 22:33	Temp: 15 Cloud Cover: 8 Wind: 1 Rain: 0 Start Time: 04:41 End Time: 06:11		
Results	2 Ppip re-entry	1x Ppip emerged from porch, S elevation.	No emergence/re-entry		
Photographs					

BUILDING 57					
Grid ref	SW 81492 52350		Final Potential	CONFIRMED ROOST	
Description	→ Residential painted stone building and adjacent shed. → Day / transitional / occasional brown long-eared and common pipistrelle roost.				
External		Date	11/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Complex slate roof with two brick chimneys. Large dormer windows on north side. Flat bitumen-covered roof section -	Painted render on stone	Wooden windows	None recorded	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Single loft space. Very thick walls at gable ends, slate on purlins no felt. Old insulation with hay.	c. 2.5m x 8m Uncluttered	Tight truss void		<10 possible Paur droppings scattered under ridge - very old - Confirmed roost - sample taken
DNA Analysis	Positive: Brown long-eared bat recorded within the main building.				
Limitations	No access to south western side as too tight.				
Potential	HIGH	Surveys Requirements	3	How many surveyors	3
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	20/06/2017	13/07/2017	03/08/2017	Individual Ppip entering/emerging from building on 2/3 surveys. Low levels of Ppip activity.	
Weather Conditions	Temp: 17 Cloud Cover: 2 Wind: 0 Rain: 0 Start Time: 03:34 End Time: 05:24	Temp: 14 Cloud Cover: 6 Wind: 0 Rain: 0 Start Time: 03:25 End Time 05:23	Temp: 15.5 Cloud Cover: 3 Wind: 3 Rain: 0 Start Time: 20:46 End Time: 22:31		
Results	Individual Ppip re-entry recorded in the chimney of the building.	Individual Ppip re-entry recorded in the chimney of the building.	No bats were recorded emerging or re-entering the building.		
Photographs					

BUILDING 57A & B					
Grid ref	SW 81476 52355		Final Potential	CONFIRMED ROOST	
Description	→ Wooden out buildings. → Day / transitional / occasional brown long-eared roost (57A). → Scoped out as the internal and external is considered suitable to characterise the building.				
External		Date		11/04/2017	
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Clear corrugated plastic (very light)	Timber-clad	Clear corrugated plastic	None recorded	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Two cluttered storage shed s.	No data	NA	NA	Several droppings recorded and collected .from the top of the wood stored within 57A
DNA Analysis	Positive: Brown long-eared dropping recorded within 57 A				
Limitations	NA				
Potential	HIGH	Surveys Requirements	Scoped out but covered during surveys of B57	How many surveyors	
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	20/06/2017	13/07/2017	03/08/2017		Surveyed at the same time as 57 – Although not primary survey reason.
Weather Conditions	Temp: 17.5 Cloud Cover: 2 Wind: 0 Rain: 0 Start Time: 03:34 End Time 05:24	Temp: 14 Cloud Cover: 6 Wind: 0 Rain: 0 Start Time: 03:25 End Time 05:23	Temp: 15.5 Cloud Cover: 3 Wind: 3 Rain: 1 Start Time: 20:46 End Time: 22:31		
Results	No bats were recorded emerging or re-entering the building.	No bats were recorded emerging or re-entering the building.	No bats were recorded emerging or re-entering the building.		
Photographs					

BUILDING 58					
Grid ref			Final Potential	MODERATE	
Description	→ Stone out building that is regularly used by the occupants of Building 56. → Scoped out due to distance from the proposed Scheme				
External		Date	05/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched tiled roof with gable ends.	Stone, pointing is in good repair.	NA	None recorded	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	No data	No data	NA	NA	Lots of slug / snail Some mouse droppings No bat droppings
DNA Analysis	NA				
Limitations	NA				
Potential	MODERATE	Surveys Requirements	1	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	28/06/2017			Individual passes of brown long-eared, noctule and common pipistrelle activity.	
Weather Conditions	Temp: 16 Cloud Cover: 8 Wind: 0 Rain: 1 Start Time: 03:41 End Time: 05:05	Scoped out due to distance from the proposed Scheme			
Results	No bats entering or emerging				
Photographs					
NA			NA		

BUILDING 59					
Grid ref	SW 81492 52350		Final Potential	HIGH	
Description	→ Residential property with a pitched roof and hipped ridges. → No internal survey was undertaken				
External		Date			
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched roof with hipped ridges	Stone	No data	None recorded	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	NA	NA	NA	NA	
DNA Analysis	NA				
Limitations	Access was not permitted during the external and internal surveys.				
Potential	HIGH	Surveys Requirements	3	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	25/07/2016	20/07/2017	NA	No bats were recorded emerging or re-entering. Pipistrelle, noctule, serotine and Myotis were recorded during the surveys.	It was not possible to undertake a third survey as no response from landowner. The building is located within an exposed location on top of a large hill, the wind conditions of gentle breeze – moderate breeze are considered to be typical of location. The weather is not considered to limit the results
Weather Conditions	Temp: 15 Cloud Cover: 8 Wind: 3 Rain: 0 Start Time: 20:58 End Time: 22:45	Temp: 14 Cloud Cover: 8 Wind: 4 Rain: light - mod Start Time: 20:58 End Time: 22:45	NA		
Results	No emergence or re-entry	No emergence or re-entry			
Photographs					
NA			NA		

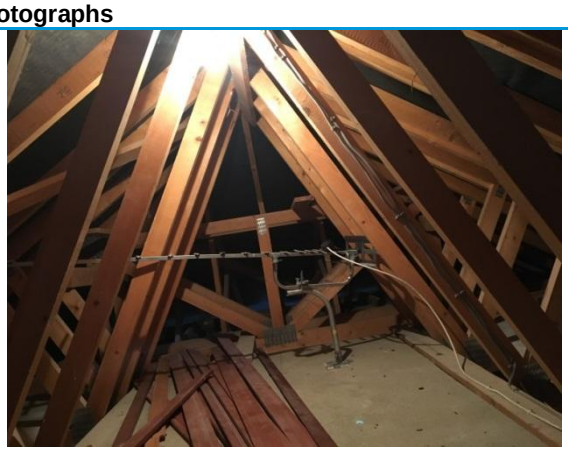
BUILDING 60					
Grid ref	SW 81851 52685		Final Potential	CONFIRMED ROOST	
Description	→ Residential property with a large internal roof void. → Day / transitional / occasional brown long-eared bat roost.				
External		Date	05/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Slate tile, pitched roof with hipped ridges and gable ends.	Pebble-dashed	PVC	Gaps underneath flashing	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Cool and with bitumen felt lining	Large uncluttered roof void.	Queen post - Wooden truss	Under eaves.	3 x droppings identified
DNA Analysis	Positive: Brown long–eared bat				
Limitations	Some parts inaccessible due to different land owner.				
Potential	HIGH	Surveys Requirements	3	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	21/06/2017	19/07/2017		No emergence or re-entry.	No third visit - could be characterised by internal/external and two re-entry/emergence surveys
Weather Conditions	Temp: 15 Cloud Cover: 2 Wind: 2 Rain: 0 Start Time: 03:39 End Time: 05:24	Temp: 21 Cloud Cover: 8 Wind: 1 Rain: 1 Start Time: 21:10 End Time: 22:52			
Results	No emergence or re-entry	No emergence or re-entry			
Photographs					
					

BUILDING 61			
Grid ref	SW 81822 52737	Final Potential	No access
Description	Scoped out >100m		

BUILDING 62 and 63					
Grid ref	SW 82394 53010		Final Potential	MODERATE	
Description	→ Residential property and garage. → Single emergence was permitted in 2016 until access was retracted. → No bats were recorded emerging / re-entering during that survey. → Scoped out due to distanced from proposed Scheme				
External		Date			
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	NA	NA	NA	NA	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	NA	NA	NA	NA	
DNA Analysis	NA				
Limitations	Access was not granted for the external / internal surveys in 2017.				
Potential	Moderate	Surveys Requirements	2	How many surveyors	2
Emergence	**Visit 1**	**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	27/07/2016			No emergence or re-entry. Myotis activity.	Access denied for visit 2
Weather Conditions	Temp: 16 Cloud Cover: 6 Wind: 2 Rain: 0 Start Time: 20:55 End Time: 22:55				
Results	No emergence or re-entry				
Photographs					
NA			NA		

BUILDING 64					
Grid ref	SW 82642 52724		Final Potential	CONFIRMED ROOST	
Description	→ Residential property with a pitched roof and gable ends. → Day / transitional / occasional roost of common pipistrelle and possible brown long-eared. → Final survey was cancelled due to weather, and landowner did not respond to further attempt. The building is considered to be suitably characterised.				
External		Date	27/06/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Slate pitched roof with gable ends and hipped ridges	Painted rendered stone with wooden fascias	Plastic side hung windows	Gaps above the windows and around the wooden lintel. Gaps noted at hip ridge.	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	NA	NA	NA	NA	
DNA Analysis	NA				
Limitations	No internal access				
Potential	High	Surveys Requirements	3	How many surveyors	3
Emergence		**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	27/06/2017	03/08/2017		**Ppip emergence**.	Third survey was cancelled due to weather. It is considered that two surveys is enough to confirm that the building does not support a maternity roost.
Weather Conditions	Temp: 15 Cloud Cover: 8 Wind: 0 Rain: 0 Start Time: 03:40 End Time: 05:11	Temp: 18 Cloud Cover: 6 Wind: 3 Rain: 1 Start Time: 20:46 End Time: 22:31			
Results	Possible re-entry of one unidentified bat (not echolocating). Possibly a brown long-eared bat.	2x Ppips emerged from S elevation, under eaves over 2nd window from right side of house.			
Photographs					
					

BUILDING 65					
Grid ref	SW 82647 52696		Final Potential	MODERATE	
Description	→ Residential property with a pitched roof and a large conservatory.				
External		Date	06/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Slate tiled pitched roof with hipped ridges.	Breeze block & pebble dashed walls	Plastic side-hung & single-hung windows	Gaps at hip ridges. Sparrows accessing at the eaves	Chimneys are in good condition & lead flashing is flat to the roof
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Two large roof voids that have wooden trusses. Both voids are clean and uncluttered	6 x 9 x 1.5m	Wooden truss	Gaps under eaves - Clear access into voids - birds / flies - evidence throughout.	Bird evidence recorded within the northern roof void. House sparrow accessing under eaves
DNA Analysis	NA				
Limitations	NA				
Potential	High	Surveys Requirements	3	How many surveyors	3
Emergence		**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	19/07/2017	03/08/17	NA	No emergence / re-entry's.	Third survey was cancelled due to weather. It is considered that two surveys is enough to confirm that the building does not support a maternity roost.
Weather Conditions	Temp:16 Cloud Cover:8 Wind:3 Rain: 2 Start Time: 21:17 End Time: 22:51	Temp: 16 Cloud Cover: 0 Wind: 6 Rain: 0 Start Time: 04:21 End Time: 05:51	NA		
Results	No emergence or re-entry	No emergence or re-entry	NA		
Photographs					



BUILDING 66					
Grid ref	SW 83294 53206		Final Potential	LOW	
Description	→ Open fronted breeze block barn.				
External		Date			
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Slate roof Half asbestos Slipped tiles and damaged ridge	Breeze block	NA	Open front Slipped tiles and damaged ridge	Crevice potential
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	NA	NA	NA	NA	No evidence observed - Shallow nests - Makeshift barn owl box = couldn't see evidence of occupation
DNA Analysis	NA	NA	NA	NA	NA
Limitations	NA				
Potential	LOW	Surveys Requirements	0	How many surveyors	NA
Emergence		**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	NA	NA
Weather Conditions	NA	NA	NA		
Results					
Photographs					
					

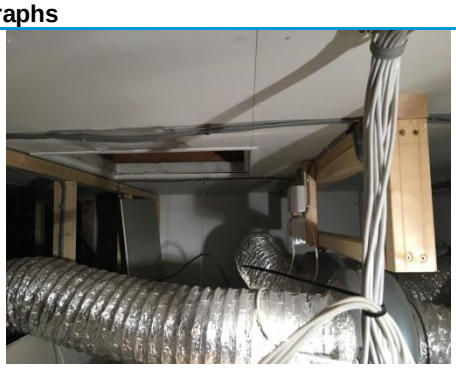
BUILDING 67			
Grid ref	SW 83486 53506	Final Potential	No access
Description	Located between 75 – 100 m north of the Scheme. NA		

BUILDING 68			
Grid ref	SW 83661 53599	Final Potential	No access
Description	Located approximately 100 m north of the Scheme. NA		

BUILDING 69			
Grid ref	SW 83684 53616	Final Potential	No access
Description	Located approximately 100 m north of the Scheme. NA		

BUILDING 70					
Grid ref	SW 84809 54000		Final Potential	CONFIRMED ROOST	
Description	→ Confirmed Roost (B&B and adjacent house) → No access for external/internal inspections as the building is derelict with no known owner. Adjacent B&B did not give access. → The buildings are considered as one building as they are attached. → Maternity roost of brown long-eared bats → Day / transitional / occasional roost of common pipistrelle.				
External		Date			
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched slate roof with gable ends and a hipped ridge	Pebble-dash clad.	NA	NA	two semi-detached buildings
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	NA	NA	NA	NA	NA
DNA Analysis	NA				
Limitations	No access to complete external or internal inspections				
Potential	HIGH	Surveys Requirements	0	How many surveyors	NA
Emergence		**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	22/06/2017	02/08/17	15/08/2017	The building is considered to be a Paur maternity roost and Ppip day roost.	
Weather Conditions	Temp:17 Cloud Cover:8 Wind:3 Rain:0 Start Time: 03:40 End Time: 05:25	Temp: 16 Cloud Cover: 0 Wind: 0 Rain: 0 Start Time: 20:47 End Time: 22:33	Temp: 14 Cloud Cover: 45 Wind: 1 Rain: 0 Start Time: 04:37 End Time: 06:07		
Results	4X Paur re-entry 3 Ppip re-entry of the derelict house under the fascia board at the south-eastern aspect.	1x Ppip emergence from the east side of the building.	~20 x Paur re-entering the building of the derelict house under the fascia board at the south-eastern aspect.		
Photographs					
NA			NA		

BUILDING 71					
Grid ref	SW 84815 54048		Final Potential	Low	
Description	→ Moderate potential (as gaps provide access into roof void). However, very busy, loud and well lit particularly around the front of the building. Reduced to low following first survey.				
External		Date			
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Slate tiled ridge with hipped ridges. Roof is in fairly good condition	Rendered brick	No data	Gaps under flashing and under slipped tiles	Well-lit at the front of the building
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	False ceiling – no access into roof void	NA	NA	NA	NA
DNA Analysis	NA				
Limitations	Not possible to safely access the roof void of the building				
Potential	MODERATE	Surveys Requirements	1	How many surveyors	3.
Emergence		**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	22/06/2017	NA	NA	No emergence/re-entry Moderate - reduced to Low following first re-entry survey	
Weather Conditions	Temp:17 Cloud Cover:8 Wind:1 Rain:0 Start Time:03:40 End Time: 05:24	NA	NA		
Results	No bats recorded entering / emerging	NA	NA		
Photographs					



BUILDING 72					
Grid ref	SW 74615 47167		Final Potential	MODERATE	
Description	→ Church building that is currently being renovated. → Scoped out due to distance from proposed Scheme				
External		Date			
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched roof Newly refurbished & new slates	Building consists of old and newly re-pointed stone Structural works completed	Stain-glass windows have been re-furbished	No obvious access points or bat mitigation suggesting it is a roost	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	NA	NA	NA	NA	NA
DNA Analysis	NA				
Limitations	NA				
Potential	MODERATE	Surveys Requirements	0	How many surveyors	3
Emergence		**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	NA	NA
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA	NA	NA
Photographs					

BUILDING 73			
Grid ref	>100M	Scoped Out	No access
Description			

BUILDING 74					
Grid ref	SW 78739 49471		Final Potential	CONFIRMED ROOST	
Description	→ Residential property with pitched roof and gable ends. → Scoped out due to distance from proposed Scheme.				
External		Date			
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched roof with complex roof structure.	Stone	Wooden and plastic side hung windows	None recorded	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Bitumen felt under roof Lots of insulation on floor Light coming through at chimney breast at North-eastern end	10 x 3 x 1m high Uncluttered	Simple truss beams Wooden trusses	NA	Multiple droppings scattered throughout, particularly under roof ridge - samples taken Approximately 300+ droppings & a few scattered throughout Droppings were typical of brown long-eared.
DNA Analysis	Not analysed as over 100 m from proposed Scheme				
Limitations	Unsafe to survey further than hatch				
Potential	HIGH	Surveys Requirements	0	How many surveyors	NA
Emergence		**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	NA	NA
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA	NA	NA
Photographs					
NA			NA		

BUILDING 75					
Grid ref	SW 75788 48064		Final Potential	MODERATE	
Description	→ Residential property with hipped roof and free standing garage. → Scoped out due to distance from proposed Scheme				
External		Date	18/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Pitched roof with hipped ridges. The garage has a pitched corrugated roof.	Painted stone	Wooden dormer windows	Crevices noted along the fascia's.	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	Landowner has advised that there is no roof void present	NA	Simple	Non	Lots of mice droppings - No bat evidence - Might be suitable for night roost Droppings were collected from shelves..
DNA Analysis	The DNA analysis failed. No species was identified.				
Limitations	Some areas not accessed - Landowner advised that there is no roof void. Therefore, no internal survey undertaken. The building has many crevices that are suitable for crevice dwelling bats. As such considered high potential (downgraded to moderate on receipt of failed DNA analysis and following first survey)				
Potential	MODERATE	Surveys Requirements	0	How many surveyors	NA
Emergence		**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	18/07/2017	NA	NA	No bats recorded during survey	NA
Weather Conditions	Temp:19 Cloud Cover: 5 Wind: 6 Rain: 0 Start Time: 21:08 End Time: 22:53	NA	NA		
Results	No bats recorded entering / emerging	NA	NA	NA	NA
Photographs					

BUILDING 76 A-C					
Grid ref	SW 78711 49187		Final Potential	NEGLIGIBLE	
Description	→ Wooden sheds used as a clay pigeon shooting range.				
External		Date	18/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Three buildings with pitched metal / asbestos corrugated roofs.	Two of the buildings were open sheds with three walls	No data	Open sides	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	NA	NA	NA	NA	NA
DNA Analysis					
Limitations	No internal survey was undertaken. No photographs were available at the time this report was written.				
Potential	NEGLIGIBLE	Surveys Requirements	0	How many surveyors	NA
Emergence		**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	NA	NA
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA	NA	NA
Photographs					
NA			NA		

BUILDING 77					
Grid ref	SW 78532 49112		Final Potential	NEGLIGIBLE	
Description	→ Pillbox located along a Cornish hedgerow.				
External		Date	18/04/2017		
External	Roof Description	Wall Construction	Window description	Access points	Other features Noted
	Flat concrete roof	Concrete	NA	No access points into the internal of the building.	NA
Internal					
Internal	Description	Size	Truss Design	Access Points	Evidence
	NA	NA	NA	NA	NA
DNA Analysis	NA				
Limitations	Not possible to access internally				
Potential	NEGLIGIBLE	Surveys Requirements	0	How many surveyors	NA
Emergence		**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	NA	NA
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA	NA	NA
Photographs					
NA			NA		

Bridge 1					
Grid ref	SW 80644 50892		Final Potential	NEGLIGIBLE	
Description	→ Concrete underpass with no obvious access points.				
External		Date	18/04/2017		
External	Large concrete underpass, that is not lit at night. The underpass is constructed of concrete. There are no obvious cracks or crevices considered suitable for bats. Furthermore a total of six crossing point surveys[19] were undertaken whereby surveyors were positioned either side of the bridge to record whether bats were crossing the A30 using the underpass or going over the A30. The surveys were assisted by a thermal imager (Flir T460 and E60). During these surveys no incidental sightings of bats emerging from the bridge feature was noted. The surveys commenced at dusk and lasted for two hours. The surveys were undertaken on the following dates:- 22/08/2016 27/09/2016 12/06/2017 26/06/2017 11/07/2017 14/08/2017				
DNA Analysis	NA				
Limitations	NA				
Potential	Negligible	Surveys Requirements	0	How many surveyors	NA
Emergence		**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	NA	NA
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA	NA	NA
Photographs					
					

[19] WSP (201&) A30 Chiverton Cross to Carland Cross, Bat Activity Survey Report. HA551502-WSP-EBD-0000-RE-EN-00015

Bridge 2					
Grid ref	SW 80946 51237		Final Potential	NEGLIGIBLE	
Description	→ Metal bridge crossing the existing A30				
External		Date	18/04/2017		
External	Concrete and metal bridge that connects Zelah with the Tolgrogan Farm. No obvious cracks or crevices considered suitable for bats were recorded during the survey.				
DNA Analysis	NA				
Limitations	It was not possible to safely access under the bridge, however adjacent vantage points identified that the bridge was in good condition.				
Potential	Negligible	Surveys Requirements	0	How many surveyors	NA
Emergence		**Visit 2**	**Visit 3**	**Summary**	Limitations
Date	NA	NA	NA	NA	NA
Weather Conditions	NA	NA	NA		
Results	NA	NA	NA	NA	NA
Photographs					
NA			NA		

Emergence / re-entry Raw Data

Building	Visit #1 Weather	Visit #1 Summary	Visit #2 Weather	Visit #2 Summary	Visit #3 Weather	Visit #3 Summary	Summary
1A	Temp:16 Cloud Cover:8 Wind:0 Rain:0 Start Time: 21:05 End time: 21:49	Dusk Emergence 30/05/2017 No bats were recorded emerging or re-entering the building. Ppip, noctule, and possible brown long-eared bat recorded foraging within the surrounding area.	Temp:17 Cloud Cover:0 Wind:1 Rain:0 Start Time: 03.59 End time: 05.44	Dawn Re-entry 18/07/2017 No bats recorded emerging / re-entering the buildings. Ppip, noctule, Serotine, and possible brown long-eared bat recorded foraging within the surrounding area.	NA	NA	No bats recorded emerging / re-entering the building during the surveys, activity restricted to individual passes. The building is likely to be an occasional roost for brown long-eared bat. No further surveys are considered necessary.
1B	Temp:16 Cloud Cover:8 Wind:0 Rain:0 Start Time: 21:05 End time: 21:49	Dusk Emergence 30/05/2017 No bats were recorded emerging or re-entering the building. Ppip, noctule, and possible brown long-eared bat recorded foraging within the surrounding area.	Temp:17 Cloud Cover:0 Wind:1 Rain:0 Start Time: 03.59 End time: 05.44	Dawn Re-entry 18/07/2017 No bats recorded emerging / re-entering the buildings. Ppip, noctule, Serotine, and possible brown long-eared bat recorded foraging within the surrounding area.	NA	NA	No bats recorded emerging / re-entering the building during the surveys, activity restricted to individual passes. No further surveys are considered necessary.
1C	NA	NA	NA	NA	NA	NA	Building considered to have Negligible potential. No further surveys are considered necessary.
2	Temp:16 Cloud Cover:8 Wind:0 Rain:0 Start Time: 21:04 End Time: 22:49	Dusk Emergence 30/05/2017 No bats were recorded emerging or re-entering the building. Ppip and noctule recorded during the survey.	Temp:17 Cloud Cover:0 Wind:1 Rain:0 Start Time: 03.57 End time: 05.29	Dawn Re-entry 18/07/2017 No bats recorded emerging / re-entering the buildings. Ppip, and Serotine recorded foraging within the surrounding area.	NA	NA	No bats recorded emerging / re-entering the building during the surveys, activity restricted to individual passes. Roosting potential reduced to moderate following first surveys (further surveys not required following confirmation of proposed Scheme). The surveys are considered suitable to confirm likely absence. No further surveys are considered

BUILDING	VISIT #1 WEATHER	VISIT #1 SUMMARY	VISIT #2 WEATHER	VISIT #2 SUMMARY	VISIT #3 WEATHER	VISIT #3 SUMMARY	SUMMARY
							necessary.
3 & 3A	Temp:16 Cloud Cover:8 Wind:0 Rain:0 Start Time: 21:04 End Time: 22:49	Dusk Emergence 30/05/2017 No bats were recorded emerging or re-entering the building. Ppip and noctule recorded during the survey.	NA	NA	NA	NA	No bats recorded emerging / re-entering the building during the surveys, activity restricted to individual passes. Roosting potential reduced to low following first survey (further surveys not required following confirmation of proposed Scheme). The surveys are considered suitable to confirm likely absence. No further surveys are considered necessary.
3B	NA	NA	NA	NA	NA	NA	Building considered to have Negligible potential. No further surveys are considered necessary.
4	Temp:7/8 Cloud Cover:8 Wind:1 Rain:0 Start Time: 03:44 End Time: 05:31	Dawn Re-entry 31/05/2017 No bats were recorded emerging or re-entering the building. Individual passes of brown long-eared bat, common pipistrelle, noctule recorded during survey.	Temp:19 Cloud Cover:7 Wind:1 Rain:0 Start Time: 21.09 End Time: 22.54	Dusk Emergence 17/07/2017 No bats recorded emerging / re-entering the buildings. Individual passes of common pipistrelle were recorded during the survey.	NA	NA	No bats recorded emerging / re-entering the building during the first two surveys, activity was limited to individual passes. The surveys are considered suitable to confirm likely absence. No further surveys are considered necessary.

Building	Visit #1 Weather	Visit #1 Summary	Visit #2 Weather	Visit #2 Summary	Visit #3 Weather	Visit #3 Summary	Summary
5	Temp:7/8 Cloud Cover:8 Wind:1 Rain:0 Start Time: 03:44 End Time: 05:31	Dawn Re-entry 31/05/2017 No bats were recorded emerging or re-entering the building. Individual passes of brown long-eared bat, common pipistrelle, noctule recorded during survey.	Temp:20 Cloud Cover:7 Wind:1 Rain:0 Start Time: 21.08 End Time: 22.54	Dusk Emergence 17/07/2017 No bats recorded emerging / re-entering the buildings. Individual passes of common pipistrelle were recorded during the survey.	NA	NA	No bats recorded emerging / re-entering the building during the first two surveys, activity was limited to individual passes. Building potential reduced to moderate potential. The surveys are considered suitable to confirm likely absence. No further surveys are considered necessary.
6	No Access	No Access	No Access	No Access	No Access	No Access	No Access
6A/B	Temp: 19 Cloud Cover: 8 Wind: 3 Rain: 0 Start Time: 21:19 End Time: 22:44	Dusk Emergence 21/06/2017 No bats were recorded emerging or re-entering the building. Individual passes of noctule &common pipistrelle	NA	NA	NA	NA	No bats recorded emerging / re-entering the building during the first survey, activity was limited to individual passes. Building potential reduced to low potential. The surveys are considered suitable to confirm likely absence. No further surveys are considered necessary.
7	Access denied	Access denied	Access denied	Access denied	Access denied	Access denied	Access denied
8	Temp: 17.5 Cloud Cover: 1 Wind: 0 Rain: 0 Start Time: 03:39 End Time: 05:24	Dawn Re-entry 20/06/2017 No bats were recorded emerging or re-entering the building. Individual pass of noctule.	NA	NA	NA	NA	No bats recorded emerging / re-entering the building during the first survey, activity was limited to individual passes. Building potential reduced to low potential. The surveys are considered suitable to confirm likely absence. No further surveys are considered necessary.

Building	Visit #1 Weather	Visit #1 Summary	Visit #2 Weather	Visit #2 Summary	Visit #3 Weather	Visit #3 Summary	Summary
9	Temp:17 Cloud Cover: 8 Wind: 2 Rain: 0 Start Time: 21:25 End Time: 23:04	Dusk Emergence 21/06/2017 One common pipistrelle Emerged. Ppip, brown long-eared bat recorded foraging in surrounding area and commuting.	Temp:18 Cloud Cover: 2 Wind: 3 Rain: 0 Start Time: 04:00 End Time: 05:45	Dawn re-entry 19/07/2017 No bats recorded re-entering the building. Individual bats recorded during survey	Temp:15 Cloud Cover: 7 Wind: 0 Rain: 0 Start Time: 04:32 End Time: 06:07	Dawn Re-entry 15/08/2017 Single common pipistrelle and Unknown bat (likely Common pipistrelle) recorded re-entering the building.	Two common pipistrelles recorded emerging from the building during the three surveys. Building is considered to be a day roost for common pipistrelles and possibly brown long-eared bat. The surveys are considered suitable to characterise the roost. No further surveys are considered necessary.
10	NA	NA	NA	NA	NA	NA	Confirmed brown long-eared bat roost. No further surveys required as the building is located >100 m from the proposed Scheme.
11	Temp: 10 Cloud Cover: 8 Wind: 1 Rain: 1 Start Time: 20:57 End Time: 22:57	Dusk Emergence 26/07/2016 Multiple common pipistrelle Emergence / re-entry. Lots of social calling. Maternity Colony Ppip, noctule &brown long-eared bat Passes recorded with foraging in the surrounding areas.	Temp: 14 Cloud Cover: 8 Wind: 2 Rain: 0 Start Time: 21:20 End Time: 23:05	Dusk Emergence 22/06/2017 No bats were recorded emerging or entering the building. Lots of common pipistrelle activity recorded particularly foraging. Individual brown long-eared bat recording.	Temp: 19 Cloud Cover: 4 Wind: 2 Rain: 0 Start Time: 21:07 End Time: 22.52	Dusk Emergence 18/07/2017 No bats were recorded emerging or entering the building. Lots of common pipistrelle activity recorded particularly foraging.	Confirmed common pipistrelle roost in 2016. The initial survey in 2016 identified a number of emergence / re-entrances of common pipistrelles. The Building was characterised as a common pipistrelle maternity colony. The 2017 emergence / re-entry surveys did not recorded any further bats emerging / re-entering from the building. The building is a confirmed common pipistrelle maternity roost. No further surveys required.

Building	Visit #1 Weather	Visit #1 Summary	Visit #2 Weather	Visit #2 Summary	Visit #3 Weather	Visit #3 Summary	Summary
12	Temp:17 Cloud Cover:7 Wind:0 Rain:0 Start:03:58 05:46	Dawn re-entry 19/07/2017 No bats were recorded emerging or entering the building. Constant common pipistrelle activity	Temp:14 Cloud Cover:8 Wind:4 Rain:3 Finished early due to rain.	Dusk Emergence 20/07/2017 No bats were recorded emerging or entering the building. Constant common pipistrelle activity		No access	Confirmed brown long-eared bat roost from the DNA Analysis results. No bats recorded emerging / re-entering the building during the surveys. Please note that due to access restrictions, the two surveys allowed to be undertaken were within 48 hours of each other. Access was not permitted for further surveys. No further surveys required as the building is located ~100 m from the proposed Scheme.
13	Temp: 16.5 Cloud Cover: 7 Wind: 2 Rain: 1 Start Time: 21:00 End Time: 22:57	Dusk emergence 26/07/2016 Ppip Emergence. Day Roost common pipistrelle x 5 bats. possible maternity but not conclusive. Lots of common pipistrelle activity & individual noctule recording.	Temp: 14.5 Cloud Cover: 7 Wind: 3 Rain: 0 Start Time: 21:20 End Time: 23:05	Dusk Emergence 22/06/2017 No bats were recorded entering or emerging from the building. High activity of common pipistrelle with some foraging in the surrounding areas.	Temp: 13 Cloud Cover: 7 Wind: 3 Rain: 0 Start Time: 04:01 End Time: 05:46	Dawn Re-entry 20/07/2017 A total of eight common pipistrelle were recorded re-entering the building at the norther gable end. High levels of common pipistrelle foraging activity was recorded.	Confirmed common pipistrelle roost in 2016 and in 2017. The Building was characterised as a common pipistrelle maternity colony. No further surveys required.
14	NA	NA	NA	NA	NA	NA	NA

Building	Visit #1 Weather	Visit #1 Summary	Visit #2 Weather	Visit #2 Summary	Visit #3 Weather	Visit #3 Summary	Summary
15	Temp: 21.7 Cloud Cover: 1 Wind: 3 Rain: 0 Start Time: 21:15 End Time: 23:04	Dusk Emergence 20/06/2017 No bats were recorded entering or emerging from the building. High common pipistrelle foraging activity.	Temp: 16 Cloud Cover: 8 Wind: 3 Rain: 0 Start Time: 20:49 End Time: 22:34	Dusk Emergence 01/08/017 No bats were recorded entering or emerging from the building. Low common pipistrelle, noctule &brown long-eared bat foraging & commuting activity.	NA	NA	No bats recorded emerging / re-entering the building during the surveys. The surveys are considered suitable to confirm likely absence. No further surveys are considered necessary.
16	Temp: 21 Cloud Cover: 4 Wind: 0 Rain: 0 Start Time: 21:18 End Time: 23:03	Dusk Emergence 19/06/2017 No bats were recorded entering or emerging from the building. High common pipistrelle activity with foraging. noctule and Serotine passes recorded	Temp: 15 Cloud Cover: 8 Wind: 2 Rain: 0 Start Time: 20:50 End Time: 22:35	Dusk Emergence 31/07/2017 19xcommon pipistrelles emerged from W elevation. 2xcommon pipistrelles emerged from soffit box on E elevation. Continuous common pipistrelle foraging & commuting activity.	Temp: 11 Cloud Cover: 1 Wind: 0 Rain: 0 Start Time: 04:40 End Time: 06:19	Dawn-re-entry 16/08/2017 A total of 1xcommon pipistrelle recorded emerging from the building and 9xcommon pipistrelles Re-entering at the eastern side of the building.	The Building was characterised as a common pipistrelle maternity colony. No further surveys required.
16A and B	Temp: 21.5 Cloud Cover: 4 Wind: 0 Rain: 0 Start Time: 21:24 End Time: 23:03	Dusk Emergence 19/06/2017 One common pipistrelle emerged from SW corner of building under drain pipe. Ppip foraging activity, noctule and individual Myotis recorded.	Temp: 15 Cloud Cover: 8 Wind: 2 Rain: 0 Start Time: 20:50 End Time: 22:35	Dusk Emergence 31/07/2017 6xcommon pipistrelles emerged from NE corner , under guttering. Low levels of common pipistrelle foraging, single pass of lesser horseshoe & noctule, possible serotine pass.	Temp: 11 Cloud Cover: 1 Wind: 0 Rain: 0 Start Time: 04:40 End Time: 06:19	Dawn-re-entry 16/08/2017 To be updated	The Building was characterised as a possible brown long-eared bat common pipistrelle satellite maternity colony. No further surveys required.
17	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA

Building	Visit #1 Weather	Visit #1 Summary	Visit #2 Weather	Visit #2 Summary	Visit #3 Weather	Visit #3 Summary	Summary
19	Temp:9 Cloud Cover:0 Wind:0 Rain: 0 Start Time: 03:08 End Time: 05:09	Dawn - Re-entry 14/06/2017 A total of four bats were confirmed to be re-entering the building. Of which one was a common pipistrelle, the other three were not echolocating, these are likely to be brown long-eared bat. Ppip, soprano pipistrelle, greater horseshoe, and brown long-eared bat recorded during survey.	Temp: 16 Cloud Cover: 8 Wind: 1 Rain: 0 Start Time: 03:38 End Time: 05:38	Dawn - Re-entry 24/07/2017 2x Unknown bats re-entered under fascia on NW	NA	NA	The building is over 100 m from the proposed Scheme. As such it has now been scoped out. The internal survey identified that the building contained 1000's of droppings likely from a number of years. As such, the building is likely to be a maternity colony of Paur(as determined by the DNA analysis). No further surveys required as > 100 m. It should be noted that it is likely to be an important roost.
20	Temp:9 Cloud Cover:0 Wind:0 Rain: 0 Start Time: 3:09 End Time: 05:09	Dawn - Re-entry 14/06/2017 No bats were recorded entering or emerging from the building. Low activity of non-echolocating bats was recorded (likelybrown long-eared bat).	NA	NA	NA	NA	The building is currently being re-furbished. It does not contain a roost void. Reduced to low potential. No further surveys are considered necessary.
21	Temp: 17 Cloud Cover: 6 Wind: 2 Rain: 0 Start Time: 20:50 End Time: 22:35	Dusk Emergence 01/08/2017 No bats were recorded entering or emerging from building 21. bat recorded entering & emerging from large barn to west of building 21 (only a exploring visit).. Low common pipistrelle &brown long-eared bat foraging & commuting activity, possibly Myotis & soprano pipistrelle too.	NA	NA	NA	NA	The building is considered to be an occasional day roost for brown long-eared bat (likely from the adjacent maternity colony). No further surveys are considered necessary.

Building	Visit #1 Weather	Visit #1 Summary	Visit #2 Weather	Visit #2 Summary	Visit #3 Weather	Visit #3 Summary	Summary
22	NA	NA	NA	NA	NA	NA	Building considered to have Negligible potential. No further surveys are considered necessary.
23	NA	NA	NA	NA	NA	NA	Building considered to have Negligible potential. No further surveys are considered necessary.
24	NA	NA	NA	NA	NA	NA	Building is over 100 m and as such has been scoped out prior to any surveys commencing.
25	NA	NA	NA	NA	NA	NA	DNA analysis confirmed that the building is a brown long-eared bat roost. Building is over 100 m and as such has been scoped out following proposed Scheme, although prior to any surveys commencing.
26	Temp:16 Cloud Cover:8 Wind:2 Rain:0 Start Time: 04:10 End Time: 05:40	Dawn Re-entry Survey 27/07/2017 No bats recorded emerging / re-entering the building.	NA	NA	NA	NA	Building is considered to be of low potential to support roosting bats. Single survey did not record bats. Bats are considered to be absent from the building. No further surveys are required.
27 and D	Temp:15 Cloud Cover:7/8 Wind:0-1 Rain:0 Start Time: 21:06 End Time: 22:49	Dusk Emergence 31/05/2017 No bats were recorded emerging or re-entering the building. Ppip and possible brown long-eared bat recorded foraging and commuting within the surrounding habitat.	Temp: 13 Cloud Cover: 1 Wind: 2 Rain: 0 Start Time: 04:19 End Time: 05:48	Dawn Re-entry 01/08/2017 No bats were recorded entering or emerging from the building. V. low levels of common pipistrelle &brown long-eared bat foraging activity.	NA	NA	No bats recorded emerging / re-entering the building during the surveys, activity was low during the surveys. Roosting potential is considered to be moderate. The surveys are considered suitable to confirm likely absence. No further surveys are considered necessary.

Building	Visit #1 Weather	Visit #1 Summary	Visit #2 Weather	Visit #2 Summary	Visit #3 Weather	Visit #3 Summary	Summary
28	Temp: 12 Cloud Cover: 3 Wind: 0 Rain: 0 Start Time: 04:18 End Time: 05:48	Dawn Re-entry 01/08/2017 No bats were recorded entering or emerging from the building. No bat activity recorded. Access limited to front of building only, with limited visibility due to H&S issues with proximity of road.	NA	NA	NA	NA	Access was not allowed until August. No further surveys are considered necessary as the emergence /re-entry surveys could not safely assess the building. No further access was provided.
29	Temp:12.5 Cloud Cover: 6 Wind: 0 Rain: 0 Start Time: 03:40 End Time: 05:25	Dawn - Re-entry 27/06/2017 No bats were recorded entering or emerging from the building. Individual common pipistrelle passes recorded.	NA				No bats recorded emerging / re-entering the building during the surveys, activity was low during the surveys. Roosting potential is considered to be low. The surveys are considered suitable to confirm likely absence. No further surveys are considered necessary.
30	NA	NA	NA	NA	NA	NA	Scoped out: Low potential >20 m No further surveys are required.
31	NA	NA	NA	NA	NA	NA	Building considered to have Negligible potential. No further surveys are considered necessary.
32	No Access	No Access	No Access	No Access	No Access	No Access	No access: Unlikely to require further survey to inform mitigation design, as it is considered to be of moderate potential.
33	No Access	No Access	No Access	No Access	No Access	No Access	No access: Unlikely to require further survey to inform mitigation design, as it is considered to be of moderate potential.

Building	Visit #1 Weather	Visit #1 Summary	Visit #2 Weather	Visit #2 Summary	Visit #3 Weather	Visit #3 Summary	Summary
34	NA	NA	NA	NA	NA	NA	Building considered to have Negligible-low potential. No further surveys are considered necessary.
35	Temp: 16 Cloud Cover:8 Wind: 0 Rain:0 Start time: 04:54 End time: 06:30	Dawn Re-entry 24/08/2017 Single brown long-eared bat recorded exploring the building. Constant common pipistrelle /brown long-eared bat activity. Occasional lesser horseshoe pass. Single brown long-eared bat recorded exploring the building. No confirmed re-entry	Temp: 17 Cloud Cover: 1 Wind:0 Rain:0 Start time: 04:55 End time: 06:47	Dawn Re-entry 31/08/2017 No emergence/ re-entry Followed a crossing point survey undertaken the night before where no bats were recorded emerging / re-entering..	Temp: 14.3 Cloud Cover: 8 Wind:0 Rain:0 Start time: 05:17 End time: 06:50	Dawn Re-entry 07/09/2017 3xcommon pipistrelle re-entered and 2 x common pipistrelle emerged. 1 x common pipistrelle re-entered and emerged	Bats recorded during other surveys (Transects / initial surveys of other buildings / crossing point surveys). lesser horseshoe recorded using the building as a night roost during the transect surveys. Crossing point surveys identified brown long-eared bat / Myotis bats using the building to fly within, possibly for foraging. Access denied between May - August 2017.
36	Temp: 15 Cloud Cover: 8 Wind: 1 Rain: 0 Start Time: 03:40 End Time: 05:55	Dawn - Re-entry 26/07/2016 Ppip Re-entry into the apex at the end of roof. Low levels of Pip activity recorded. One brown long-eared bat recorded.	Temp: 18 Cloud Cover: 8 Wind: 1 Rain: 0 Start Time: 04:50 End Time: 06:20	Dawn Re-entry 23/08/2017 possible brown long-eared bat re-entry at the northern apex.	Temp: 19 Cloud Cover: 0 Wind: 0 Rain: 0 Start Time: 20:05 End Time: 21:54	Dusk Emergence 2 x common pipistrelle and 2 x Unknown (likely brown long-eared bat) bats emerged from the building	Day / transitional / occasional roost of common pipistrelle and possible brown long-eared bat.
37	Temp: 15 Cloud Cover: 8 Wind: 1 Rain: 0 Start Time: 03:40 End Time: 05:55	Dawn - Re-entry 26/07/2016 Paur recorded re-entering the building. Ppip, Myotis and brown long-eared bat recorded during the survey.	Temp: 15 Cloud Cover: 8 Wind: 1 Rain: 0 Start Time: 03:40 End Time: 05:55	Dawn Re-entry 23/08/2017 Paur using the building as a night roost. Single brown long-eared bat recorded re-entering building.	NA	NA	Day / transitional / occasional / night roost of brown long-eared bat. Considered the two surveys is suitable to characterise the roost. No further surveys are considered necessary.

Building	Visit #1 Weather	Visit #1 Summary	Visit #2 Weather	Visit #2 Summary	Visit #3 Weather	Visit #3 Summary	Summary
38	Temp: Cloud Cover: Wind: Rain:	Dawn Re-entry 24/08/2017 15-25brown long-eared bat re-entered the building. 15-25common pipistrelles re-entered the building. Single Myotis re-entered the building	#	NA	NA	NA	Ppip and brown long-eared bat maternity roost. Myotis day roost. As the building is ~ 100 m from road no further surveys are required, however, it should be noted that this is an important roost site.
39	NA	NA	NA	NA	NA	NA	Building considered to have Negligible potential and is >100 m from the road. No further surveys are considered necessary.
40	Temp: 15 Cloud Cover: 7 Wind: 0 Rain: 1 Start Time: 03:40 End Time: 05:55	Dawn - Re-entry 25/07/2016 A total 11common pipistrelles recorded emerging. common pipistrelle Maternity Roost Ppip emergence from fascia's High activity of common pipistrelle, brown long-eared bat with some foraging activity recorded.	NA	NA	NA	NA	Ppip maternity roost. Scoped out: Confirmed roost > 100 m from the road. No further surveys required.
41	Temp: 17 Cloud Cover: 7 Wind: 1 Rain: 0 Start Time: 21:06 End Time: 23:06	Dusk Emergence 25/07/2016 No bats were recorded emerging or re-entering the building. Medium level of common pipistrelle activity with some foraging recorded	NA	NA	NA	NA	Scoped out: Moderate potential >20 m No further surveys are required.

Building	Visit #1 Weather	Visit #1 Summary	Visit #2 Weather	Visit #2 Summary	Visit #3 Weather	Visit #3 Summary	Summary
		also.					
42	Temp: 23 Cloud Cover: 1 Wind: 0 Rain: 0 Start Time: 21:23 End Time: 23:04	Dusk Emergence 20/06/2017 Ppip Emerged from the north gable end under fascia board. Other activity mainly common pipistrelle and Myotis commuting. Serotine potentially recorded.	Temp: 16 Cloud Cover: 8 Wind: 2 Rain: 0 Start Time: 20:49 End Time: 22:34	Dusk Emergence 01/08/2017 No bats were recorded entering or emerging from the building. Low common pipistrelle & Plecotus sp. activity, single noctule pass.	TBC	TBC	Ppip and brown long-eared bat day roost. The surveys are considered suitable to confirm that the building is not a maternity roost.
43	Temp: 19 Cloud Cover: 0 Wind: 3 Rain: 0 Start Time: 03:39 End Time: 05:24	Dawn - Re-entry Survey 21/06/2017 No bats were recorded emerging or re-entering the building. Low level of common pipistrelle activity recorded.	NA	NA	NA	NA	No bats recorded emerging / re-entering the building. Scoped out as the building is not located within the road boundary. The surveys are considered suitable to confirm likely absence of roosting bats.
44	Temp:16 Cloud Cover:7/8 Wind:3 Rain:0	Dusk Emergence 31/05/2017 A single brown long-eared bat emerged from the building at the eastern aspect Individual passes of common pipistrelle recorded during the survey.	Temp: 15 Cloud Cover: 3 Wind: 5 Rain: 0 Start Time: 04:20 End Time: 05:50	Dawn Re-entry 03/08/2017 No bats were recorded entering or emerging from the building. V. low common pipistrelle F & C activity, possible single Plecotus sp. pass.	Temp: 17.5 Cloud Cover: 6/8 Wind: 4 Rain: 0 Start Time: 18:50 End Time: 20:40	Dusk Emergence 26/09/2017 Single common pipistrelle emerged. A bat not echolocating emerged (likel y brown long-eared bat)	Single common pipistrelle and brown long-eared bat recorded emerging from the building. Likely brown long-eared bat day roost. On the final survey the number of surveyors was reduced to two, as the surveys were concentrated on likely access locations.

Building	Visit #1 Weather	Visit #1 Summary	Visit #2 Weather	Visit #2 Summary	Visit #3 Weather	Visit #3 Summary	Summary
45, 47 & 73	Temp: 15 Cloud Cover: 7 Wind: 1 Rain: 0 Start Time: 04:00 End Time: 05:55	Dawn - Re-entry Survey 26/07/2016 3 x common pipistrelle re-entry recorded - Building 47 High levels of common pipistrelle activity, some Myotis & an individual noctule.	NA	NA	NA	NA	Building 47 confirmed common pipistrelle roost. As all of the buildings are located >100 m from the road, they have all been scoped out.
46	NA	NA	NA	NA	NA	NA	Main house brown long-eared bat Maternity. The remaining buildings may be satellite roosts. The roosts are likely to be important. Owner has a photograph of a Myotis roosting in the roof void. Scoped out >100 m from road scheme following proposed Scheme.
48	NA	NA	NA	NA	NA	NA	Scoped out >100 m from road scheme following proposed Scheme.
49	NA	NA	NA	NA	NA	NA	Scoped out >100 m from road scheme following proposed Scheme.
50	NA	NA	NA	NA	NA	NA	Scoped out >100 m from road scheme following proposed Scheme.

BUILDING	VISIT #1 WEATHER	VISIT #1 SUMMARY	VISIT #2 WEATHER	VISIT #2 SUMMARY	VISIT #3 WEATHER	VISIT #3 SUMMARY	SUMMARY
51	Temp:17 Cloud Cover:2 Wind:1 Rain:0 Start Time:21:06 End Time: 23:22	Dusk Emergence 01/06/2017 Approximately 41 bats recorded emerging from the building, of which three were not echolocating, the remaining 39 were Myotis. Building is likely to be a maternity roost of a Myotis species (likely Mnat). Myotis, common pipistrelle, noctule, and brown long-eared bat recorded foraging within the surrounding habitats.	Temp:18 Cloud Cover:4 Wind:1 Rain:0 Start Time:20:56 End Time: 22:56	Dusk Emergence 27/07/16 A large number of bats emerging and re-entering exact numbers unknown, Myotis/unknown/1xcommon pipistrelle	Temp:17 Cloud Cover:8 Wind:0 Rain:0 Start Time:03:38 End Time:05:20	Dawn re-entry 11/07/17 Estimate 40+ bats re-entering-Plecotus or Myotis. Lots of activity	Myotis /brown long-eared bat maternity roost (likely Natterer's). common pipistrelle day roost. No access to the internal of the building. Considered to be an important maternity roost.
52	NA	NA	NA	NA	NA	NA	Building considered to have Negligible potential. No further surveys are considered necessary.
53	Temp: 14 Cloud Cover: 7 Wind: 0 Rain: 0 Start Time: 04:15 End Time: 05:88	Dawn Re-entry 28/07/2016 One common pipistrelle re-entry recorded into the apex at the top of the roof. Medium levels of common pipistrelle activity recorded. noctule &brown long-eared bat also recorded.	Temp: 14 Cloud Cover: 7 Wind: 0 Rain: 0 Start Time: 21:07 End Time: 23:22	Dusk Emergence 01/06/2017 Ppip Emergence recorded. High levels of common pipistrelle activity recorded & foraging. Individual Serotine, noctule &brown long-eared bat recorded.	Temp: 16 Cloud Cover: 8 Wind: 0 Rain: 0 Start Time: 03:36 End Time: 05:25	Dawn re-entry 11/07/17 1 bat emerged before start of survey. 1 bat re-entered but was not echolocating. Multiple passes-Ppip, greater horseshoe, Myotis	Building considered to be a common pipistrelle day roost and possible brown long-eared bat night roost. No further surveys are considered necessary.

Building	Visit #1 Weather	Visit #1 Summary	Visit #2 Weather	Visit #2 Summary	Visit #3 Weather	Visit #3 Summary	Summary
54	Temp: 14 Cloud Cover: 7 Wind: 1 Rain: 0 Start Time: 03:45 End Time: 05:31	Dawn Re-entry 01/05/2017 Ppip Emergence & re-entry from chimney for duration of survey. 20 bats entering & 12 emerging. Maternity colony for ~ 8-10 bats. Individual noctule, Serotine & Myotis recorded. High levels of common pipistrelle activity & foraging.	Temp: 13 Cloud Cover: 5 Wind: 0 Rain: 0 Start Time: 03:32 End Time: 05:23	Dawn Re-entry 13/07/17 Approximately 12common pipistrelle re-entered in chimney on southern aspect	NA	NA	Building is considered to be a common pipistrelle maternity roost. The building is > 100 m from the road, as such the building has been scoped out of further surveys. The building is likely to be an important maternity roost.
55	Temp: 14 Cloud Cover: 8 Wind: 7 Rain: 0 Start Time: 03:16 End Time: 05:31	Dawn Re-entry 01/06/2017 Re-entry of 2common pipistrelle on the building next door. No re-entry for the surveyed building. High levels of common pipistrelle foraging activity. Individual recordings of noctule, Serotine, lesser horseshoe Two bats seen together on several occasions.	Temp: 15 Cloud Cover: 7 Wind: 0 Rain: 0 Start Time: 03:30 End Time: 05:36	Dawn Re-entry 11/07/2017 No bats re-entered (bat re-entered on building next to it outside of boundary)	NA	NA	Building is considered to be a common pipistrelle day roost. The building is considered to > 100 m from the road. No further surveys are considered necessary.
56	Temp: 16 Cloud Cover: 8 Wind: 0 Rain: 1 Start Time: 03:41 End Time: 05:11	Dawn Re-entry 28/06/2017 2 x common pipistrelle re-entry Low levels of common pipistrelle activity	Temp: 16 Cloud Cover: 2 Wind: 3 Rain: 0 Start Time: 20:45 End Time: 22:33	Dusk Emergence 02/08/2017 1x Pip emerged from porch, S elevation. Low common pipistrelle & Plecotus sp F & C activity	Temp: 15 Cloud Cover: 8 Wind: 1 Rain: 0 Start Time: 04:41 End Time: 06:11	Dawn Re-entry 16/08/2017 No bats recorded re-entering the building. Low levels (individual records of common	Building is considered to be a common pipistrelle day roost. No further surveys are considered necessary.

BUILDING	VISIT #1 WEATHER	VISIT #1 SUMMARY	VISIT #2 WEATHER	VISIT #2 SUMMARY	VISIT #3 WEATHER	VISIT #3 SUMMARY	SUMMARY
						pipistrelle recorded).	
57 and 57A	Temp: 17.5 Cloud Cover: 2 Wind: 0 Rain: 0 Start Time: 03:34 End Time 05:24	Dawn Re-entry 20/06/2017 Individual common pipistrelle re-entry recorded in the chimney of the building. noctule, Serotine, brown long-eared bat also recorded. Low levels of common pipistrelle activity.	Temp: 14 Cloud Cover: 6 Wind: 0 Rain: 0 Start Time: 03:25 End Time 05:23	Dawn Re-entry 13/07/2017 Individual common pipistrelle re-entry recorded in the chimney of the building. soprano pipistrelle. Myotis, brown long-eared bat also recorded. Low levels of common pipistrelle activity.	Temp: 15.5 Cloud Cover: 3 Wind: 3 Rain: 1 Start Time: 20:46 End Time: 22:31	Dusk Emergence 03/08/2017 No bats were recorded emerging or re-entering the building. Mod levels of common pipistrelle,brown long-eared bat, Plecotus sp. & Myotis F & C activity.	The building and adjacent shed is considered to be a common pipistrelle and brown long-eared bat day roost. No further surveys are considered necessary.
58	Temp: 16 Cloud Cover: 8 Wind: 0 Rain: 1 Start Time: 03:41 End Time: 05:05	Dawn Re-entry 28/06/2017 No bats were recorded emerging or re-entering the building. Low levels of common pipistrelle activity. Individual noctule activity recorded.	NA	NA	NA	NA	No bats recorded during the survey. No further surveys required as >20 m from the road.

Building	Visit #1 Weather	Visit #1 Summary	Visit #2 Weather	Visit #2 Summary	Visit #3 Weather	Visit #3 Summary	Summary
59	Temp: 15 Cloud Cover: 8 Wind: 4 Rain: 0 Start Time: 20:58 End Time: 22:45	Dusk Emergence 25/07/2016 No bats were recorded emerging or re-entering the building Individual common pipistrelle & Serotine recorded.	Temp: 14 Cloud Cover: 6 Wind: 4 Rain: light - mod Start Time: 20:58 End Time: 22:45	Dusk Emergence 20/07/2017 No bats were recorded emerging or re-entering the building Individual noctule recorded.	NA	NA	No bats recorded emerging / re-entering the building during the surveys. Roosting potential reduced to moderate following first surveys. The surveys are considered suitable to confirm likely absence. No further surveys are considered necessary.
60	Temp: 15 Cloud Cover: 2 Wind: 2 Rain: 0 Start Time: 03:39 End Time: 05:24	Dawn Re-entry 21/06/2017 No bats were recorded emerging or re-entering the building. Low levels of common pipistrelle, noctule, Serotine activity recorded.	Temp: 21 Cloud Cover: 8 Wind: 1 Rain: 0 Start Time: 21:10 End Time: 22:52	Dusk Emergence 19/07/2017 No bats were recorded emerging or re-entering the building Single bat recorded.	NA	NA	No bats recorded emerging / re-entering the building during the surveys. The building is likely to be an occasional day roost for brown long-eared bat. No further surveys are considered necessary.
61	NA	NA	NA	NA	NA	NA	Scoped out as > 100 m from proposed Scheme.
62	Temp: 16 Cloud Cover: 6 Wind: 2 Rain: 0 Start Time: 20:55 End Time: 22:55	Dusk Emergence 27/07/2016 No bats were recorded emerging or re-entering the building. Ppip, noctule, Myotis activity recorded.	NA	NA	NA	NA	Scope out as moderate potential >20 m from proposed Scheme
63	Temp: 16 Cloud Cover: 6 Wind: 2 Rain: 0 Start Time: 20:55 End Time: 22:55	Dusk Emergence 27/07/2016 No bats were recorded emerging or re-entering the building. Ppip, noctule, Myotis activity recorded.	NA	NA	NA	NA	Scope out as moderate potential >20 m from proposed Scheme

Building	Visit #1 Weather	Visit #1 Summary	Visit #2 Weather	Visit #2 Summary	Visit #3 Weather	Visit #3 Summary	Summary
64	Temp: 15 Cloud Cover: 8 Wind: 0 Rain: 0 Start Time: 03:40 End Time: 05:11	Dawn Re-entry 27/06/2017 possible re-entry of one unknown bat. Low levels of common pipistrelle foraging activity. Couple noctule passes.	Temp: 18 Cloud Cover: 6 Wind: 3 Rain: 1 Start Time: 20:46 End Time: 22:31	Dusk Emergence 03/08/2017 2xcommon pipistrelles emerged from S elevation, under eaves over 2nd window from right side of house. Mod levels of common pipistrelle F & C activity & possibly occasional Leisler's, Plecotus sp., Myotis & noctule passes.	TBC	TBC	Likely to be a common pipistrelle and brown long-eared bat day roost.
65	Temp:16 Cloud Cover:8 Wind:3 Rain: low-mod	Dusk Emergence 19/07/2017 No bats were recorded emerging or re-entering the building. Ppip, noctule, Myotis activity recorded.	Temp: 16 Cloud Cover: 0 Wind: 6 Rain: 0 Start Time: 04:21 End Time: 05:51	Dawn re-entry 03/08/17 No re-entry.mod levels of common pipistrelle activity.	NA	NA	No bats recorded emerging or re-entering the buildings during the surveys. The surveys are considered suitable to confirm likely absence of roosting bats. No further surveys are considered necessary.
66	NA	NA	NA	NA	NA	NA	Building considered to have Negligible-low potential. No further surveys are considered necessary. Building contains a barn owl box with up to 6 fresh pellets.
67	Access denied	Access denied	Access denied	Access denied	Access denied	Access denied	Access denied
68	NA	NA	NA	NA	NA	NA	Scoped out as > 100 m from proposed Scheme.
69	NA	NA	NA	NA	NA	NA	Scoped out as > 100 m from proposed Scheme.

Building	Visit #1 Weather	Visit #1 Summary	Visit #2 Weather	Visit #2 Summary	Visit #3 Weather	Visit #3 Summary	Summary
70	Temp: Cloud Cover: Wind: Rain:	Dawn re-entry 22/06/2017 A total of 4 x brown long-eared bat re-entered the building and 3 x common pipistrelle re-entered the building. The lean-to is considered to be a brown long-eared bat feeding perch.	Temp: 16 Cloud Cover: 0 Wind: 0 Rain: 0 Start Time: 20:47 End Time: 22:33	Dusk Emergence 02/08/17 1common pipistrelle emergence W side of building. common pipistrelle foraging activity	Temp: 14 Cloud Cover: 45 Wind: 1 Rain: 0 Start Time: 04:37 End Time: 06:07	Dawn Re-entry 15/08/2017 Approximately 20brown long-eared bat re-entries into building 70 at the western side of the building. Ppip, noctule, and brown long-eared bat, recorded foraging and commuting during the survey.	The building is considered to be a brown long-eared bat maternity roost and common pipistrelle day roost. No further surveys are considered necessary.
71	Temp:17 Cloud Cover:8 Wind:1 Rain:0 Start Time:03:40 End Time: 05:24	Dawn re-entry 22/06/2017 No bats recorded entering / emerging from the building. Building was reduced from moderate potential to low potential following survey.	NA	NA	NA	NA	Building considered to have low potential and >10 m from proposed Scheme. No further surveys are considered necessary. .
72	NA	NA	NA	NA	NA	NA	Scoped out as > 100 m from proposed Scheme.
73	NA	NA	NA	NA	NA	NA	Scoped out as > 100 m from proposed Scheme.
74	NA	NA	NA	NA	NA	NA	Scoped out as > 100 m from proposed Scheme.

Building	Visit #1 Weather	Visit #1 Summary	Visit #2 Weather	Visit #2 Summary	Visit #3 Weather	Visit #3 Summary	Summary
75	Temp: 19 Cloud Cover:6 Wind:6 Rain:0	Dusk Emergence 18/07/2017 No emergence or activity noted. The potential has been reduced to moderate potential due to the failed DNA analysis.	NA	NA	NA	NA	Scoped out as > 100 m from proposed Scheme.
T56	Temp: 16 Cloud Cover: 8 Wind: 3 Rain: 0 Start Time: 20:49 End Time: 22:34	Dusk Emergence 01/08/2017 No emergence Ppip activity	NA	NA	NA	NA	No further surveys. Aerial tree climbing and single emergence are considered suitable to characterise the tree
T97	Temp: 18 Cloud Cover: 8 Wind: 0 Rain: 0 Start Time: 20:05 End Time: 21:46 Start time: 04:18 End time: 05:48	Dawn re-entry 23/08/2017 No re-entry Constant commuting and foraging common pipistrelle and Myotis	NA	NA	NA	NA	No further surveys. Aerial tree climbing and single emergence are considered suitable to characterise the tree
T103	Temp: 18 Cloud Cover: 8 Wind: 0 Rain: 0 Start Time: 20:05 End Time: 21:46	Dusk emergence Date:23/08/2017 No bats recorded emerging / re-entering the tree	NA	NA	NA	NA	No further surveys. Aerial tree climbing and single emergence are considered suitable to characterise the tree

BUILDING	VISIT #1 WEATHER	VISIT #1 SUMMARY	VISIT #2 WEATHER	VISIT #2 SUMMARY	VISIT #3 WEATHER	VISIT #3 SUMMARY	SUMMARY
T124	Temp: 17 Cloud Cover: 8 Wind: 0 Rain: 0 Start Time: 04:10 End Time: 05:41	Dawn re-entry Date:27/07/2017 No bats recorded emerging / re-entering the tree	Temp: 16 Cloud Cover: NA Wind: 0 Rain: 0 Start Time:04:18 End Time: 05:48	Dawn re-entry Date:01/08/2017 No bats recorded emerging / re-entering the tree	Temp: 15 Cloud Cover: 2 Wind: 1 Rain: 0 Start Time:04:40 End Time: 06:00	Dawn re-entry Date:10/08/2017 No bats recorded emerging / re-entering the tree	No further surveys. Aerial tree climbing and single emergence are considered suitable to characterise the tree

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