

3 Winston Close
Spencers Wood
Wokingham
Berkshire
RG7 1DW

Bat Emergence Survey

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Report Quality Control Information	
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1 EXECUTIVE SUMMARY

- 1.1.1** John Wenman Ecological Consultancy LLP was instructed by Mr Rupak Moitra to undertake a bat emergence survey at 2 Winston Close, Spencers Wood. The emergence survey was commissioned to accompany a householder planning application to be submitted Wokingham Borough Council seeking consent for a consent for a hip to gable loft conversion.
- 1.1.2** The bat emergence survey was commissioned following a Preliminary Roost Assessment for bats (PRA) completed by John Wenman Ecological Consultancy LLP on the 29th January 2024. The PRA found approximately 300-500 medium-sized bat droppings of a shape and size most typical of those deposited by the void dwelling long-eared bat species (*Plecotus* sp.) throughout the void of the property. Externally, the property had potential roost features suitable for use by crevice-dwelling bats such as pipistrelle (*Pipistrellus spp.*) and small *Myotis* species. The property was assigned moderate potential suitability for roosting bats. Emergence surveys were conducted on the 30th July and 21st August 2024.
- 1.1.3** During the emergence surveys, one brown long-eared (*Plecotus auritus*) bat was observed likely to be emerging from the property. These findings along with the droppings found inside the property roof voids demonstrates that the property acts as an occasionally used day roost of brown long-eared bats (*P. auritus*) bats. Day roosts used by this species hold site level conservation importance only and the loss of such roost is not usually significant beyond the scale of the site (Reason & Wray 2023).
- 1.1.4** The development proposals will directly lead to the loss of access points located at the northeastern end of the property and the loss of the roof void will therefore result in the damage of the brown long eared day roost in the void at and to the disturbance of any bats present at the time.
- 1.1.5** Therefore, a European Protected Species (EPS) mitigation licence would be required for the planning works to proceed lawfully and the survey shows the house will qualify for registration under the Bat Mitigation Class Licence WML-CL21. Under licence, mitigation measures to be employed will comprise a tool box talk, pre-works loft check, and a precautionary approach to the roof works and timber soffits.
- 1.1.6** This report contains information regarding a mobile species so it will likely be valid for 12 months only (CIEEM 2019).

2 INTRODUCTION

2.1 Project Background

- 2.1.1** John Wenman Ecological Consultancy LLP was instructed by Mr Rupak Moitra to undertake a bat emergence survey at 3 Winston Close, Spencers Wood. The emergence survey was commissioned to accompany a householder planning application to be submitted Wokingham Borough Council seeking consent for a consent for a hip to gable loft conversion.
- 2.1.2** The bat emergence survey was commissioned following a Preliminary Roost Assessment for bats (PRA) completed by John Wenman Ecological Consultancy LLP on the 29th January 2024. The PRA found approximately 300-500 medium-sized bat droppings of a shape and size most typical of those deposited by the void dwelling long-eared bat species (*Plecotus* sp.) throughout the void of the property. Externally, the property had potential roost features suitable for use by crevice-dwelling bats such as pipistrelle (*Pipistrellus spp.*) and small *Myotis* species.
- 2.1.3** The property was assigned moderate potential suitability for roosting bats and in line with best practice survey guidance (Collins 2023), two dusk emergence surveys were conducted on the 30th July and 21st August 2024.

2.2 Site Location and Context

- 2.2.1** The residential property is a detached house located on the corner of Winston Close and Hyde End Road in Spencers Wood, Wokingham (central OS grid reference: SU 72599 66558).
- 2.2.2** The property is in a suburban setting on the edge of Spencers Wood, surrounded by residential properties and private gardens. There is nearby countryside to the east and south, characterised by farmland with established hedgerows and tree-lines connecting to the River Loddon (approx. 620m away) and Swallowfield Park (approx. 640m away) to the southeast.
- 2.2.3** Overall, the habitats nearby offer high quality habitat suitable for roosting, commuting and foraging bats adapted to semi-rural environments.

2.3 Report Objectives

- 2.3.1** The aim of the Bat Emergence Survey is to determine the presence or absence of roosting bats and to characterise the bat roost(/s) in cases where presence is confirmed. The emergence survey findings inform an impact assessment and

mitigation strategy for the development proposals and ascertain whether a European Protected Species (EPS) mitigation licence would be required to allow the works to proceed lawfully.

3 LEGISLATIVE AND POLICY BACKGROUND

3.1 Relevant Legislation

3.1.1 In England and Wales, all bat species found in the wild are fully protected under the Wildlife & Countryside Act 1981 (as amended) (WCA) and Conservation of Habitats and Species Regulations 2017 (as amended); the regulations are commonly referred to as the Habitat Regulations and hereafter referred to as such. The Habitat Regulations refer to European Protected Species (EPS) and all species of bats in the United Kingdom (UK) are EPS. Although the UK left the European Union on the 31st January 2020 and is therefore no longer tied to European legislation, the Habitat Regulations have been retained in their current format.

3.1.2 The legal framework underpinned by the WCA and Habitat Regulations makes these specific actions an offence as follows:

- Deliberately kill, injure, capture or take a wild bat;
- Deliberately, intentionally or recklessly disturb bats; in particular any disturbance which is likely to impair their ability to survive, to breed or reproduce, to rear or nurture their young, to hibernate or migrate, or to significantly affect local distribution or abundance;
- Damage or destroy a place used by a bat for breeding or resting; and
- Intentionally or recklessly obstruct access to any place used by a bat for shelter or protection.

3.2 Planning Policy

3.2.1 The biodiversity duty imposed through the Environment Act 2021 states that Local Planning Authorities (LPAs) must consider what action they can take to conserve and enhance biodiversity in England. Government planning policy, such as the ODPM Circular 06/2005, requires LPAs to account for the conservation of protected species when considering and determining planning applications.

3.2.2 The ODPM Circular 06/2005 states that 'the presence of a protected species is a material consideration when a planning authority is considering a development proposal that, if carried out, would be likely to result in harm to the species or its habitat.' This policy means that in instances where there is a reasonable likelihood of bats being present and affected by a development, surveys must be undertaken to inform a mitigation strategy to be agreed prior to granting planning

permission.

3.3 Mitigation Licensing

3.3.1 The government's statutory nature conservation body, Natural England, is responsible for issuing European Protected Species (EPS) mitigation licences that would permit activities that would otherwise lead to an infringement of the Habitat Regulations. An EPS mitigation licence can be issued if the following three tests derived from Regulation 55 have been satisfied:

- (2)(e) – the derogation is for the purposes of '*preserving public health or public safety or other imperative reasons of overriding public interest, including those of a social or economic nature and beneficial consequences of primary importance for the environment.*'
- (9)(a) – there is '*no satisfactory alternative*' to the derogation; and
- (9)(b) – '*the action authorised will not be detrimental to the maintenance of the population of the species concerned at a favourable conservation status in their natural range.*'

3.3.2 LPAs have a statutory duty under Regulation 7(3)(e) of the Habitat Regulations to consider and determine whether these three tests are likely to be satisfied by planning proposals affecting EPS before granting planning permission. If an EPS mitigation licence is necessary, a licence can be sought once all the necessary planning consents have been granted. Natural England aims to issue a decision on licence applications within 30 working days of submission.

3.3.3 The Bat Mitigation Class Licence (BMCL) scheme allows ecologists to apply to become Registered Consultants to use this licence for low conservation status roosts, i.e. roosts comprising small numbers of seven commonly occurring species. A site registration form must be completed as a condition of the licence and submitted to Natural England at least three weeks before the licensable activities are due to start; Natural England aims to register sites within two weeks of submission.

3.3.4 Baseline survey information supporting EPS mitigation licence applications or BMCL site registrations must be up-to-date and have been completed within the current or most recent optimal season. A suitably experienced ecologist will be required to undertake a site walkover/check within three months prior to application/registration submission to confirm that conditions have not changed since the most recent survey.

4 SURVEY METHODOLOGY

4.1 Emergence Survey

4.1.1 Dusk emergence surveys were undertaken on the 30th July and 21st August 2024.

The surveys were carried out by experienced bat surveyors John Wenman - registered under Natural England Bat Survey Class Licence CL18 (Registration no.: 2016-23859-CLS-CLS), Vicky Potts - registered under Natural England Bat Survey Class Licence CL18 (Registration no.: 2016-27162-CLS-CLS), and assistant Sam Wenman - with at least two full seasons of bat survey experience.

4.1.2 During the surveys, one surveyor was situated at the front of the property at the northern end (Survey Location 1) and a second surveyor at the rear southern end (Survey Location 2) – refer to survey plan in **Appendix 2**.

4.1.3 The emergence surveys were conducted using EchoMeter Touch 2 Pro, and Elekon Batlogger M and Elekon Batlogger M2 bat detectors in conjunction with the following night vision aids: Nightfox Whisker night vision binoculars and Sionyx Aurora Pro Night vision cameras used with Sionyx infrared torches. A still shot of the darkest point of the first survey has been included to show the coverage of the night vision aids in **Appendix 1**.

4.1.4 After the survey visits, the EchoMeter recordings were processed and analysed in Kaleidoscope; the Batlogger recordings were analysed using BatExplorer. The night vision video footage was reviewed in VLC Media.

4.1.5 The emergence surveys started 15 minutes before sunset and continued until 1.5 hours after sunset.

4.2 Survey Constraints

4.2.1 There were no significant constraints to the survey, which was undertaken at a suitable time of year for undertaking emergence surveys, i.e. May to August, and in conditions suitable for bat activity, i.e. dry with air temperatures 10°C or above at sunset (Collins 2023).

4.2.2 This report contains information regarding a mobile species so it will likely be valid for 12 months only (CIEEM 2019).

5 SURVEY FINDINGS

5.1 Overview

5.1.1 The survey details and findings are summarised in the **Tables 1-6** below and illustrated in a survey plan in **Appendix 2**; the raw detector data is detailed in **Appendix 3**.

5.2 Emergence Surveys

30th July 2024

5.2.1 One brown long-eared (*Plecotus auritus*) bat was seen flying from around the rear of the chimney from the north eastern side elevation at 21.32, observed from Survey Location 1. The bat did not call and was not picked up on the bat detector. Although the exact emergence point was not visible the bat was observed emerging 39 mins after sunset which is within the typical emergence time for the species and it is therefore considered likely to have emerged from the property. See emergence plan in **Appendix 2**.

Table 1. Weather conditions and survey timings

	Wind (BF0-12)	Cloud cover (%)	Rain	Temp start (°C)	Temp end (°C)
Weather	1	0	None	25	23
Start time	20:38	Sunset time	20:53	Finish time	22:23

Table 2. Surveyor recordings at Survey Location 1 - SW

Species	Recordings*	Emergences	Time of first call (minutes after sunset)
<i>Nyctalus noctula</i>	51	0	21:10 (17)
<i>Pipistrellus pipistrellus</i>	24	0	21:12 (19)
<i>Pipistrellus pygmaeus</i>	1	0	21:27 (34)
<i>Plecotus auritus</i>	0	1	21:32 (39)

Table 3. Surveyor recordings at Survey Location 2 - JW

Species	Recordings*	Emergences	Time of first call (minutes after sunset)
<i>Nyctalus noctula</i>	31	0	21:10 (17)
<i>Pipistrellus pipistrellus</i>	147	0	20:47 (-6)
Social call	1	N/A	22:05 (72)

*recordings are the number of times that the detector was triggered when bat calls were detected.

5.2.2 The first bats recorded during the survey were common pipistrelle (*P. pipistrellus*) at 20:47; recorded emerging from a property to the southwest of the house by the surveyor located to the rear of the house (Survey Location 2), confirming a nearby roost. Several foraging and commuting passes by common pipistrelle (*P. pipistrellus*) bats were recorded by both surveyors throughout the survey and at the beginning of the survey indicating further nearby roosts. A soprano pipistrelle

(*P. pygmaeus*) bat was recorded at 21:27, which was outside of the expected emergence time. There were numerous foraging and commuting passes from noctule (*N. noctula*) bats at the beginning of the survey indicating a nearby roost and they were recorded throughout the survey.

1st August 2024

5.2.3 No bats were observed emerging from the property during the second survey.

Table 4. Weather conditions and survey timings

	Wind (BF0-12)	Cloud cover (%)	Rain	Temp start (°C)	Temp end (°C)
Weather	3	100	None	18	17
Start time	19:57	Sunset time	20:12	Finish time	21:42

Table 5. Surveyor recordings at Survey Location 1 - SW

Species	Recordings*	Emergences	Time of first call (minutes after sunset)
<i>Nyctalus noctule</i>	9	0	20:37 (25)
<i>Pipistrellus pipistrellus</i>	67	0	20:03 (-9)
<i>Pipistrellus pygmaeus</i>	6	0	20:30 (18)

Table 6. Surveyor recordings at Survey Location 2 - VP

Species	Recordings*	Emergences	Time of first call (minutes after sunset)
<i>Nyctalus noctule</i>	3	0	20:47 (35)
<i>Pipistrellus pipistrellus</i>	106	0	20:20 (8)
<i>Pipistrellus pygmaeus</i>	11	0	20:28 (16)
<i>Plecotus auratus</i>	1	0	21:09 (53)

*recordings are the number of times that the detector was triggered when bat calls were detected.

5.2.4 The first bats recorded during the survey were common pipistrelle (*P. pipistrellus*) at 20:03 and 20:20, before sunset and at an expected emergence time for the species, confirming the presence of nearby roosts. Soprano pipistrelle (*P. pygmaeus*) recorded at 20:28-20:30 at an expected emergence time for the species, and indicating the potential presence of nearby roosts. There were several foraging and commuting passes from noctule (*N. noctula*). A brown long-eared (*P. auritus*) bat was recorded unseen at 21:09 from Survey Location 2, which is just outside the typical emergence time for the species.

5.3 Habitat Features Suitable for Bats

5.3.1 The surrounding residential gardens with scattered trees provide continuous habitat that could be used as a flight path connecting the property to high-quality foraging habitats nearby including countryside to the east characterised by

farmland with established hedgerows and tree-lines connecting to the River Loddon.

6 DISCUSSION AND RECOMMENDATIONS

6.1 Assessment of Bat Roost Status

- 6.1.1** During the emergence surveys, one brown long-eared (*Plecotus auritus*) bat was observed emerging from the property (to be confirmed by DNA analysis of droppings).
- 6.1.2** These findings, along with approximately 300 - 500 medium-sized bat droppings typical of long eared bats, found inside the house's roof voids is consistent with the property acting as a day roost (i.e. summer resting place used by individual or small groups of non-breeding bats) of small numbers of brown long-eared bats (*P. auritus*).
- 6.1.3** Brown long-eared bat (*P. auritus*) is a widespread species in Great Britain, commonly associated with broadleaved and mixed woodland habitats. This species will roost in trees, bat boxes and buildings but maternity roosts are predominantly located in barns, churches and houses with large internal flight spaces (Mathews *et al.* 2018). The grey long-eared bat (*P. austriacus*) is very similar in morphology and flight pattern to the brown long-eared bat (*P. auritus*) but very few colonies are known in Great Britain; this species is found almost exclusively in lowland regions of southern England, near to the coast (Mathews *et al.* 2018).
- 6.1.4** Day roosts used by the species hold site level conservation importance only and the loss of such roosts is not usually significant beyond the scale of the site (Reason & Wray 2023).

6.2 Impact Assessment

Overview

- 6.2.1** The proposed development involves seeking consent for consent for a hip to gable loft conversion, including raising the height of the ridge and installing a domer window along the rear elevation. The impacts of these proposals have been assessed in accordance with the mitigation hierarchy during construction and post development, as follows:

Construction Phase

- 6.2.2** The development proposals to convert the loft space will lead to the reduction in the roof void size and potentially block access at the northeastern gable end with the alterations to the roofline, therefore the permanent destruction of the

brown long eared bat roost. The building work i.e. roof conversion and alterations to the roofline, will lead to the temporary disturbance of the roof and in the absence of mitigation therefore may lead to the disturbance and injury of bats if present at the time of the work.

Post Development

- 6.2.3** The development proposals will lead to the long term the loss of roost access and the loss of the roof void, which acts as a day roost for brown long eared bats therefore damaging the void.

Recommendations

- 6.2.4** The survey data shows that the development proposals will result in the permanent destruction of a brown long eared bat day roost and to the disturbance or injury of any bats present at the time during the work.
- 6.2.5** A European Protected Species (EPS) Mitigation Licence will be required to allow the work to proceed lawfully, and the survey findings show that the house would qualify for registration under the “low impact” Bat Mitigation Class Licence (BMCL) WML-CL21. Under the terms of a full EPS mitigation licence or BMCL, mitigation for the impacts of the work will be required in order to avoid harming bats and the mitigations proposals detailing the strategy to be adopted are set out in **Section 7** below.

7 MITIGATION PROPOSALS

- 7.1.1** Following the grant of planning consent, before the licensable work begins i.e. conversion of the roof void and changes to the roofline, a European Protected Species Mitigation Licence (EPSML) or confirmation of the registration of the site under the Bat Mitigation Class Licence (BMCL) (Low Impact) WML-CL21 will be obtained.
- 7.1.2** All licensable works to the roofline and roof void will be undertaken outside of the winter hibernation season (mid-November to February) to minimise the risk of disturbing torpid bats. A woodcrete bat box will be fixed to a suitable mature tree on site prior to the works starting and will be in place for a minimum of five years (boxes can only be removed after the five years if no evidence of use has been found at this stage).
- 7.1.3** Removal of any roof coverings to increase in ridge height and addition of the dormer window house will be carried out by a soft strip i.e. hand removal of features suitable for roosting bats such as the verge tiles at the north eastern gable end.
- 7.1.4** Prior to the works commencing the licensed ecologist or 'Registered Consultant' if working under the BMCL, will give a toolbox talk to the contractors on site detailing bats are present, the legislation protecting bats, the location of the roosting site in the buildings, good working practices, the measures that are required to protect bats during the work and what to do if bats are found. A copy of the licence will be available for inspection on site during all licensable works.
- 7.1.5** The work will be preceded by an inspection of the void of the house by a licensed ecologist. If bats are present in the void, they would be captured by hand by the ecologist, where safe to do so, and transferred to the bat box.
- 7.1.6** If bat(s) are discovered during the work, the licensed ecologist or Registered Consultant would capture the bat(s) and transfer it/them directly to a bat box erected in advance of the works
- 7.1.7** In the long-term, brown long-eared bats will have access to a roost with the installation of a wall mounted bat box on the north eastern facing side of the house (refer to **Appendix 4**).

8 REFERENCES

CIEEM (2019). Advice Note on the Lifespan of Ecological Reports and Surveys. CIEEM, Winchester.

Collins, J. (ed.) (2023). *Bat Surveys for Professional Ecologists – Good Practice Guidelines* 4th Edition. Bat Conservation Trust, London.

Mathews F., Kubasiewicz L.M., Gurnell J., Harrower C.A., McDonald R.A., Shore R.F. (2018). *A Review of the Population and Conservation Status of British Mammals*. A report by the Mammal Society under contract to Natural England, Natural Resources Wales and Scottish Natural Heritage. Natural England, Peterborough. ISBN 978-1-78354-494-3.

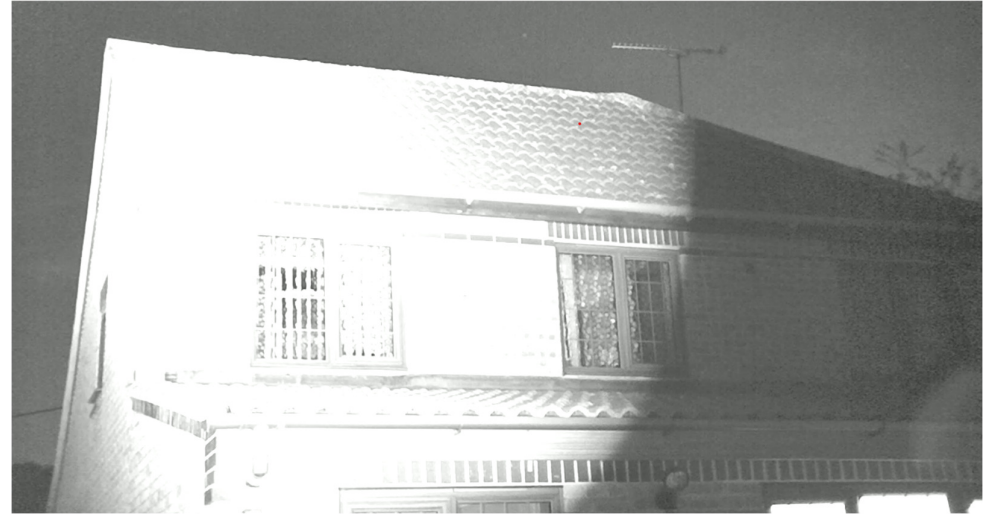
Mitchell-Jones, A. J. & McLeish, A. P. (2004). *Bat Workers' Manual* (3RD Edition). JNCC, Peterborough.

Reason, P.F. and Wray, S. (2023). UK Bat Mitigation Guidelines: a guide to impact assessment, mitigation and compensation for developments affecting bats. Chartered Institute of Ecology and Environmental Management, Ampfield.

APPENDIX 1 – DARKEST POINT OF SURVEY FOR NIGHT VISION AIDS

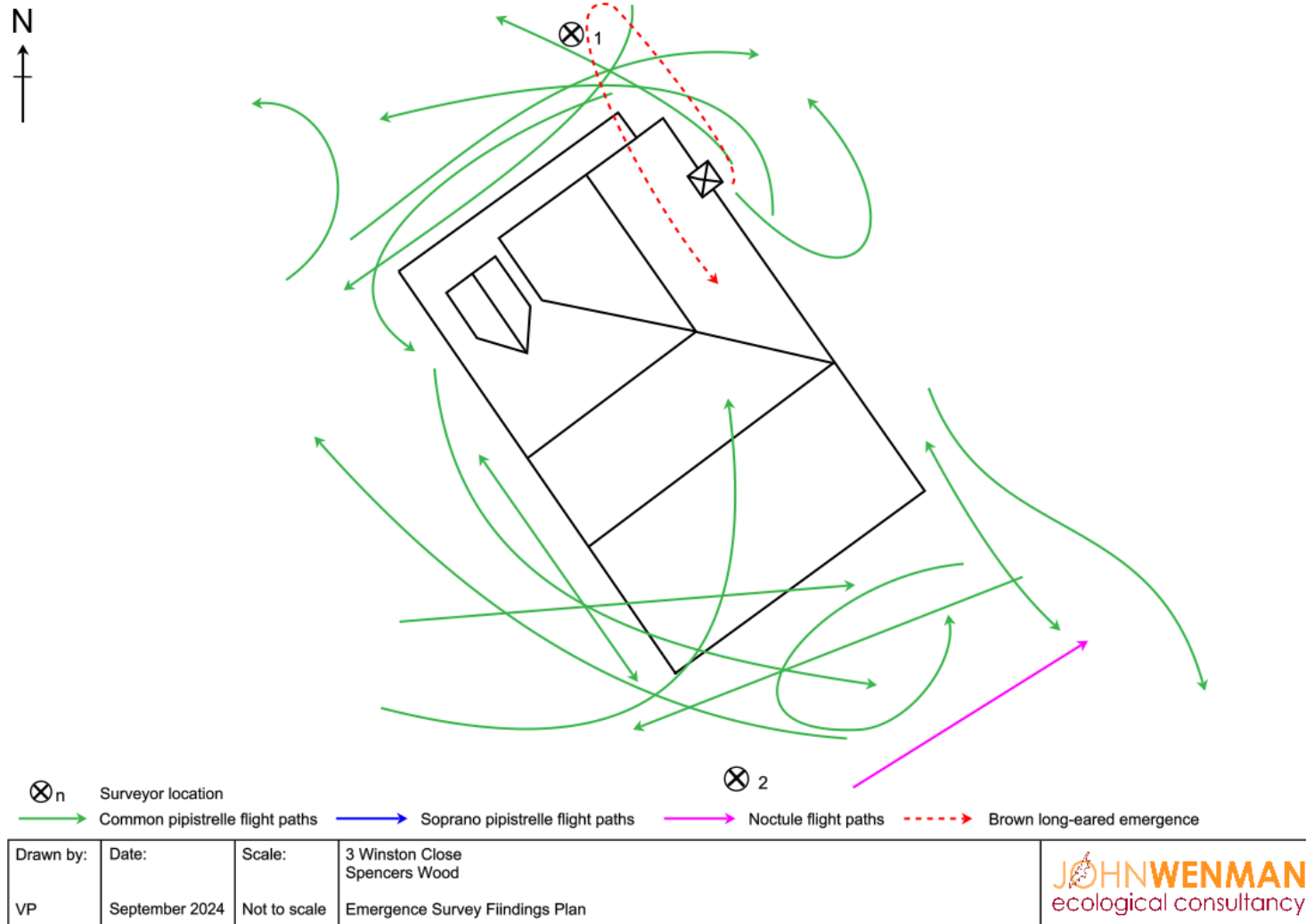


Sionyx Aurora Pro at Survey Location 1 on 30th July 2024.



Sionyx Aurora Pro at Survey Location 2 on 30th July 2024

APPENDIX 2 – BAT EMERGENCE SURVEY FINDINGS



APPENDIX 3 – BAT EMERGENCE SURVEY RAW DATA TABLES

30th July 2024 – Sam Wenman at Location 1 (EMT)

Time	Species
21:10:11	<i>Nyctalus noctula</i>
21:10:26	<i>Nyctalus noctula</i>
21:11:45	<i>Nyctalus noctula</i>
21:11:58	<i>Nyctalus noctula</i>
21:12:44	<i>Nyctalus noctula</i>
21:12:47	<i>Pipistrellus pipistrellus</i>
21:15:47	<i>Nyctalus noctula</i>
21:15:58	<i>Nyctalus noctula</i>
21:17:16	<i>Nyctalus noctula</i>
21:17:31	<i>Nyctalus noctula</i>
21:17:58	<i>Pipistrellus pipistrellus</i>
21:18:07	<i>Pipistrellus pipistrellus</i>
21:18:18	<i>Nyctalus noctula</i>
21:21:34	<i>Nyctalus noctula</i>
21:22:27	<i>Nyctalus noctula</i>
21:22:42	<i>Nyctalus noctula</i>
21:22:58	<i>Nyctalus noctula</i>
21:25:44	<i>Nyctalus noctula</i>
21:27:20	<i>Pipistrellus pipistrellus</i>
21:27:20	<i>Pipistrellus pygmaeus</i>
21:29:43	<i>Nyctalus noctula</i>
21:30:01	<i>Nyctalus noctula</i>
21:33:41	<i>Pipistrellus pipistrellus</i>
21:34:06	<i>Pipistrellus pipistrellus</i>
21:34:13	<i>Pipistrellus pipistrellus</i>
21:34:49	<i>Pipistrellus pipistrellus</i>
21:35:08	<i>Pipistrellus pipistrellus</i>
21:35:18	<i>Pipistrellus pipistrellus</i>
21:35:30	<i>Pipistrellus pipistrellus</i>
21:36:32	<i>Pipistrellus pipistrellus</i>
21:37:41	<i>Pipistrellus pipistrellus</i>
21:37:57	<i>Pipistrellus pipistrellus</i>
21:38:18	<i>Nyctalus noctula</i>
21:38:51	<i>Pipistrellus pipistrellus</i>
21:39:37	<i>Pipistrellus pipistrellus</i>
21:40:00	<i>Pipistrellus pipistrellus</i>
21:40:38	<i>Pipistrellus pipistrellus</i>
21:41:46	<i>Nyctalus noctula</i>
21:42:30	<i>Pipistrellus pipistrellus</i>
21:44:47	<i>Nyctalus noctula</i>
21:44:52	<i>Nyctalus noctula</i>

21:44:59	<i>Nyctalus noctula</i>
21:45:02	<i>Nyctalus noctula</i>
21:45:13	<i>Nyctalus noctula</i>
21:45:40	<i>Nyctalus noctula</i>
21:45:56	<i>Nyctalus noctula</i>
21:46:00	<i>Nyctalus noctula</i>
21:46:16	<i>Nyctalus noctula</i>
21:46:44	<i>Nyctalus noctula</i>
21:46:57	<i>Nyctalus noctula</i>
21:47:12	<i>Nyctalus noctula</i>
21:47:24	<i>Nyctalus noctula</i>
21:47:34	<i>Nyctalus noctula</i>
21:47:46	<i>Nyctalus noctula</i>
21:47:53	<i>Nyctalus noctula</i>
21:48:17	<i>Pipistrellus pipistrellus</i>
21:48:17	<i>Nyctalus noctula</i>
21:48:42	<i>Nyctalus noctula</i>
21:49:32	<i>Nyctalus noctula</i>
21:51:58	<i>Nyctalus noctula</i>
21:53:18	<i>Nyctalus noctula</i>
21:53:37	<i>Nyctalus noctula</i>
21:54:10	<i>Nyctalus noctula</i>
21:54:34	<i>Pipistrellus pipistrellus</i>
21:54:48	<i>Pipistrellus pipistrellus</i>
21:55:28	<i>Nyctalus noctula</i>
21:56:58	<i>Nyctalus noctula</i>
21:57:08	<i>Nyctalus noctula</i>
22:06:53	<i>Nyctalus noctula</i>
22:07:47	<i>Pipistrellus pipistrellus</i>
22:10:09	<i>Nyctalus noctula</i>
22:10:25	<i>Nyctalus noctula</i>
22:10:40	<i>Nyctalus noctula</i>
22:12:55	<i>Nyctalus noctula</i>
22:13:09	<i>Nyctalus noctula</i>
22:16:44	<i>Pipistrellus pipistrellus</i>

30th July 2024 – John Wenman at Location 2 (Batlogger M)

Time	Species	Number of calls
20:47:35	<i>Pipistrellus pipistrellus</i>	15
20:47:51	<i>Pipistrellus pipistrellus</i>	19
21:10:19	<i>Nyctalus noctula</i>	2
21:10:22	<i>Nyctalus noctula</i>	3
21:11:47	<i>Nyctalus noctula</i>	7
21:12:01	<i>Nyctalus noctula</i>	4
21:12:48	<i>Nyctalus noctula</i>	2

21:12:51	<i>Pipistrellus pipistrellus</i>	21
21:14:25	<i>Pipistrellus pipistrellus</i>	2
21:15:48	<i>Nyctalus noctula</i>	1
21:15:51	<i>Nyctalus noctula</i>	22
21:16:00	<i>Nyctalus noctula</i>	18
21:17:25	<i>Pipistrellus pipistrellus</i>	64
21:17:25	<i>Nyctalus noctula</i>	2
21:17:25	<i>Pipistrellus pipistrellus</i>	1
21:17:41	<i>Pipistrellus pipistrellus</i>	37
21:17:53	<i>Pipistrellus pipistrellus</i>	14
21:18:02	<i>Pipistrellus pipistrellus</i>	14
21:18:13	<i>Pipistrellus pipistrellus</i>	17
21:18:18	<i>Pipistrellus pipistrellus</i>	28
21:18:18	<i>Nyctalus noctula</i>	1
21:18:28	<i>Pipistrellus pipistrellus</i>	36
21:18:37	<i>Pipistrellus pipistrellus</i>	41
21:18:37	<i>Pipistrellus pipistrellus</i>	1
21:18:50	<i>Pipistrellus pipistrellus</i>	66
21:19:05	<i>Pipistrellus pipistrellus</i>	105
21:19:29	<i>Pipistrellus pipistrellus</i>	109
21:19:54	<i>Pipistrellus pipistrellus</i>	29
21:20:01	<i>Pipistrellus pipistrellus</i>	96
21:20:26	<i>Pipistrellus pipistrellus</i>	14
21:20:26	<i>Pipistrellus pipistrellus</i>	1
21:20:33	<i>Pipistrellus pipistrellus</i>	24
21:20:39	<i>Pipistrellus pipistrellus</i>	105
21:20:39	<i>Pipistrellus pipistrellus</i>	3
21:21:03	<i>Pipistrellus pipistrellus</i>	63
21:21:19	<i>Pipistrellus pipistrellus</i>	74
21:21:34	<i>Pipistrellus pipistrellus</i>	124
21:21:59	<i>Pipistrellus pipistrellus</i>	63
21:21:59	<i>Pipistrellus pipistrellus</i>	2
21:22:12	<i>Pipistrellus pipistrellus</i>	140
21:22:12	<i>Nyctalus noctula</i>	1
21:22:12	<i>Pipistrellus pipistrellus</i>	1
21:22:37	<i>Pipistrellus pipistrellus</i>	118
21:22:37	<i>Nyctalus noctula</i>	5
21:23:01	<i>Pipistrellus pipistrellus</i>	81
21:23:18	<i>Pipistrellus pipistrellus</i>	132
21:23:43	<i>Pipistrellus pipistrellus</i>	126
21:24:07	<i>Pipistrellus pipistrellus</i>	44
21:24:19	<i>Pipistrellus pipistrellus</i>	108
21:24:19	<i>Pipistrellus pipistrellus</i>	1
21:24:44	<i>Pipistrellus pipistrellus</i>	116
21:25:08	<i>Pipistrellus pipistrellus</i>	45

21:25:08	<i>Pipistrellus pipistrellus</i>	3
21:25:33	<i>Pipistrellus pipistrellus</i>	114
21:25:57	<i>Pipistrellus pipistrellus</i>	44
21:26:14	<i>Pipistrellus pipistrellus</i>	7
21:26:19	<i>Pipistrellus pipistrellus</i>	116
21:26:19	<i>Pipistrellus pipistrellus</i>	1
21:26:43	<i>Pipistrellus pipistrellus</i>	110
21:27:08	<i>Pipistrellus pipistrellus</i>	59
21:27:32	<i>Pipistrellus pipistrellus</i>	75
21:27:49	<i>Pipistrellus pipistrellus</i>	45
21:27:59	<i>Pipistrellus pipistrellus</i>	73
21:28:18	<i>Pipistrellus pipistrellus</i>	60
21:28:32	<i>Pipistrellus pipistrellus</i>	123
21:28:57	<i>Pipistrellus pipistrellus</i>	121
21:29:21	<i>Pipistrellus pipistrellus</i>	2
21:29:25	<i>Pipistrellus pipistrellus</i>	5
21:29:30	<i>Pipistrellus pipistrellus</i>	0
21:29:33	<i>Pipistrellus pipistrellus</i>	1
21:29:36	<i>Pipistrellus pipistrellus</i>	116
21:29:36	<i>Nyctalus noctula</i>	12
21:30:00	<i>Pipistrellus pipistrellus</i>	109
21:30:24	<i>Pipistrellus pipistrellus</i>	8
21:30:27	<i>Pipistrellus pipistrellus</i>	12
21:30:31	<i>Pipistrellus pipistrellus</i>	91
21:30:51	<i>Pipistrellus pipistrellus</i>	91
21:31:13	<i>Pipistrellus pipistrellus</i>	101
21:31:13	<i>Pipistrellus pipistrellus</i>	1
21:31:37	<i>Pipistrellus pipistrellus</i>	124
21:32:02	<i>Pipistrellus pipistrellus</i>	119
21:32:26	<i>Pipistrellus pipistrellus</i>	18
21:32:39	<i>Pipistrellus pipistrellus</i>	13
21:32:56	<i>Pipistrellus pipistrellus</i>	6
21:33:34	<i>Pipistrellus pipistrellus</i>	16
21:33:48	<i>Pipistrellus pipistrellus</i>	4
21:34:03	<i>Pipistrellus pipistrellus</i>	11
21:34:24	<i>Pipistrellus pipistrellus</i>	65
21:34:40	<i>Pipistrellus pipistrellus</i>	22
21:34:46	<i>Pipistrellus pipistrellus</i>	9
21:35:05	<i>Pipistrellus pipistrellus</i>	15
21:35:13	<i>Pipistrellus pipistrellus</i>	11
21:35:27	<i>Pipistrellus pipistrellus</i>	13
21:36:24	<i>Pipistrellus pipistrellus</i>	41
21:36:43	<i>Pipistrellus pipistrellus</i>	9
21:36:45	<i>Pipistrellus pipistrellus</i>	118
21:37:08	<i>Pipistrellus pipistrellus</i>	66

21:37:25	<i>Pipistrellus pipistrellus</i>	72
21:37:49	<i>Pipistrellus pipistrellus</i>	36
21:38:03	<i>Pipistrellus pipistrellus</i>	61
21:38:17	<i>Pipistrellus pipistrellus</i>	101
21:38:17	<i>Nyctalus noctula</i>	11
21:38:17	<i>Pipistrellus pipistrellus</i>	1
21:38:41	<i>Pipistrellus pipistrellus</i>	41
21:38:58	<i>Pipistrellus pipistrellus</i>	39
21:39:08	<i>Pipistrellus pipistrellus</i>	114
21:39:08	<i>Pipistrellus pipistrellus</i>	1
21:39:33	<i>Pipistrellus pipistrellus</i>	3
21:39:41	<i>Pipistrellus pipistrellus</i>	66
21:39:58	<i>Pipistrellus pipistrellus</i>	7
21:40:06	<i>Pipistrellus pipistrellus</i>	33
21:40:28	<i>Pipistrellus pipistrellus</i>	42
21:41:41	<i>Nyctalus noctula</i>	4
21:42:52	<i>Pipistrellus pipistrellus</i>	15
21:43:39	<i>Pipistrellus pipistrellus</i>	24
21:44:04	<i>Pipistrellus pipistrellus</i>	16
21:45:09	<i>Pipistrellus pipistrellus</i>	0
21:45:13	<i>Nyctalus noctula</i>	3
21:45:16	<i>Nyctalus noctula</i>	3
21:45:48	<i>Pipistrellus pipistrellus</i>	2
21:46:23	<i>Pipistrellus pipistrellus</i>	1
21:46:31	<i>Pipistrellus pipistrellus</i>	1
21:46:38	<i>Pipistrellus pipistrellus</i>	2
21:46:44	<i>Nyctalus noctula</i>	15
21:46:59	<i>Nyctalus noctula</i>	7
21:47:34	<i>Pipistrellus pipistrellus</i>	1
21:47:36	<i>Pipistrellus pipistrellus</i>	45
21:47:59	<i>Pipistrellus pipistrellus</i>	0
21:48:06	<i>Pipistrellus pipistrellus</i>	46
21:48:30	<i>Pipistrellus pipistrellus</i>	16
21:48:43	<i>Pipistrellus pipistrellus</i>	24
21:48:51	<i>Pipistrellus pipistrellus</i>	61
21:49:21	<i>Pipistrellus pipistrellus</i>	2
21:49:43	<i>Pipistrellus pipistrellus</i>	12
21:50:13	<i>Pipistrellus pipistrellus</i>	11
21:50:20	<i>Pipistrellus pipistrellus</i>	1
21:50:22	<i>Pipistrellus pipistrellus</i>	86
21:50:41	<i>Pipistrellus pipistrellus</i>	125
21:51:06	<i>Pipistrellus pipistrellus</i>	28
21:51:16	<i>Pipistrellus pipistrellus</i>	138
21:51:40	<i>Pipistrellus pipistrellus</i>	164
21:52:05	<i>Pipistrellus pipistrellus</i>	135

21:52:29	<i>Pipistrellus pipistrellus</i>	24
21:52:34	<i>Pipistrellus pipistrellus</i>	57
21:52:47	<i>Pipistrellus pipistrellus</i>	153
21:53:12	<i>Pipistrellus pipistrellus</i>	64
21:53:24	<i>Pipistrellus pipistrellus</i>	48
21:53:35	<i>Pipistrellus pipistrellus</i>	9
21:53:40	<i>Pipistrellus pipistrellus</i>	135
21:54:04	<i>Pipistrellus pipistrellus</i>	131
21:54:29	<i>Pipistrellus pipistrellus</i>	22
21:54:38	<i>Nyctalus noctula</i>	6
21:54:50	<i>Pipistrellus pipistrellus</i>	0
21:54:54	<i>Pipistrellus pipistrellus</i>	11
21:56:06	<i>Pipistrellus pipistrellus</i>	36
21:58:35	<i>Pipistrellus pipistrellus</i>	21
21:58:42	<i>Pipistrellus pipistrellus</i>	16
21:59:07	<i>Pipistrellus pipistrellus</i>	59
21:59:55	<i>Pipistrellus pipistrellus</i>	3
21:59:57	<i>Pipistrellus pipistrellus</i>	53
22:00:11	<i>Pipistrellus pipistrellus</i>	38
22:00:34	<i>Pipistrellus pipistrellus</i>	2
22:05:10	<i>Social</i>	0
22:06:49	<i>Nyctalus noctula</i>	5
22:06:54	<i>Nyctalus noctula</i>	1
22:06:57	<i>Nyctalus noctula</i>	4
22:06:57	<i>Nyctalus noctula</i>	1
22:07:54	<i>Pipistrellus pipistrellus</i>	2
22:08:18	<i>Pipistrellus pipistrellus</i>	27
22:09:08	<i>Nyctalus noctula</i>	2
22:09:08	<i>Nyctalus noctula</i>	1
22:10:14	<i>Nyctalus noctula</i>	15
22:10:24	<i>Nyctalus noctula</i>	2
22:10:27	<i>Nyctalus noctula</i>	9
22:10:34	<i>Nyctalus noctula</i>	12
22:13:02	<i>Nyctalus noctula</i>	11
22:15:02	<i>Pipistrellus pipistrellus</i>	13
22:16:51	<i>Pipistrellus pipistrellus</i>	5
22:18:12	<i>Pipistrellus pipistrellus</i>	15

21st August 2024 – Sam Wenman at Location 1 (Batlogger M)

Time	Species	Number of calls
20:03:41	<i>Pipistrellus pipistrellus</i>	1
20:24:43	<i>Pipistrellus pipistrellus</i>	9
20:27:47	<i>Pipistrellus pipistrellus</i>	2
20:29:34	<i>Pipistrellus pipistrellus</i>	1
20:29:43	<i>Pipistrellus pipistrellus</i>	0

20:30:03	<i>Pipistrellus pipistrellus</i>	33
20:30:13	<i>Pipistrellus pipistrellus</i>	20
20:30:18	<i>Pipistrellus pipistrellus</i>	26
20:30:18	<i>Pipistrellus pygmaeus</i>	13
20:30:27	<i>Pipistrellus pipistrellus</i>	95
20:30:51	<i>Pipistrellus pipistrellus</i>	42
20:30:51	<i>Pipistrellus pipistrellus</i>	3
20:31:46	<i>Pipistrellus pipistrellus</i>	3
20:32:36	<i>Pipistrellus pipistrellus</i>	20
20:34:18	<i>Pipistrellus pipistrellus</i>	11
20:34:25	<i>Pipistrellus pipistrellus</i>	1
20:37:29	<i>Nyctalus noctula</i>	8
20:40:57	<i>Pipistrellus pipistrellus</i>	1
20:42:40	<i>Pipistrellus pygmaeus</i>	10
20:42:46	<i>Pipistrellus pipistrellus</i>	4
20:42:56	<i>Pipistrellus pipistrellus</i>	10
20:42:56	<i>Pipistrellus pipistrellus</i>	1
20:44:56	<i>Pipistrellus pipistrellus</i>	5
20:45:02	<i>Pipistrellus pipistrellus</i>	10
20:45:08	<i>Pipistrellus pipistrellus</i>	13
20:45:11	<i>Pipistrellus pipistrellus</i>	43
20:45:24	<i>Pipistrellus pipistrellus</i>	3
20:45:56	<i>Pipistrellus pipistrellus</i>	12
20:46:09	<i>Pipistrellus pipistrellus</i>	2
20:46:12	<i>Pipistrellus pipistrellus</i>	2
20:46:15	<i>Pipistrellus pipistrellus</i>	3
20:46:18	<i>Pipistrellus pipistrellus</i>	21
20:46:47	<i>Pipistrellus pipistrellus</i>	4
20:47:32	<i>Pipistrellus pipistrellus</i>	7
20:47:35	<i>Pipistrellus pipistrellus</i>	15
20:47:55	<i>Nyctalus noctula</i>	3
20:48:00	<i>Nyctalus noctula</i>	4
20:48:08	<i>Pipistrellus pipistrellus</i>	36
20:48:21	<i>Pipistrellus pipistrellus</i>	19
20:48:30	<i>Pipistrellus pipistrellus</i>	15
20:48:39	<i>Pipistrellus pipistrellus</i>	18
20:48:57	<i>Pipistrellus pipistrellus</i>	12
20:48:57	<i>Pipistrellus pygmaeus</i>	1
20:49:00	<i>Pipistrellus pipistrellus</i>	19
20:50:17	<i>Pipistrellus pipistrellus</i>	1
20:50:56	<i>Pipistrellus pipistrellus</i>	19
20:51:05	<i>Pipistrellus pipistrellus</i>	46
20:51:05	<i>Pipistrellus pipistrellus</i>	1
20:51:20	<i>Pipistrellus pipistrellus</i>	8
20:51:31	<i>Pipistrellus pipistrellus</i>	8

20:51:43	<i>Pipistrellus pipistrellus</i>	10
20:51:55	<i>Pipistrellus pipistrellus</i>	10
20:52:04	<i>Pipistrellus pipistrellus</i>	0
20:52:25	<i>Pipistrellus pipistrellus</i>	9
20:52:25	<i>Pipistrellus pipistrellus</i>	1
20:53:26	<i>Pipistrellus pygmaeus</i>	7
20:54:04	<i>Pipistrellus pipistrellus</i>	1
20:54:15	<i>Pipistrellus pipistrellus</i>	4
20:54:18	<i>Pipistrellus pipistrellus</i>	3
20:55:13	<i>Pipistrellus pipistrellus</i>	6
20:56:10	<i>Pipistrellus pipistrellus</i>	16
20:56:31	<i>Pipistrellus pipistrellus</i>	7
20:56:41	<i>Pipistrellus pipistrellus</i>	3
20:56:59	<i>Pipistrellus pipistrellus</i>	1
20:57:09	<i>Pipistrellus pipistrellus</i>	4
20:57:14	<i>Pipistrellus pipistrellus</i>	8
20:57:19	<i>Pipistrellus pipistrellus</i>	11
20:59:15	<i>Pipistrellus pipistrellus</i>	6
20:59:32	<i>Pipistrellus pipistrellus</i>	0
21:01:34	<i>Pipistrellus pipistrellus</i>	16
21:01:50	<i>Pipistrellus pipistrellus</i>	4
21:03:40	<i>Pipistrellus pygmaeus</i>	3
21:04:27	<i>Nyctalus noctula</i>	1
21:04:29	<i>Nyctalus noctula</i>	0
21:04:32	<i>Nyctalus noctula</i>	4
21:04:37	<i>Nyctalus noctula</i>	4
21:04:41	<i>Nyctalus noctula</i>	2
21:06:11	<i>Pipistrellus pipistrellus</i>	1
21:06:13	<i>Pipistrellus pipistrellus</i>	10
21:16:58	<i>Nyctalus noctula</i>	8
21:22:29	<i>Pipistrellus pipistrellus</i>	9
21:28:52	<i>Pipistrellus pygmaeus</i>	0

21st August 2024 – Vicky Potts at Location 2 (Batlogger M2)

Time	Species	Number of calls
20:20:21	<i>Pipistrellus pipistrellus</i>	9
20:24:49	<i>Pipistrellus pipistrellus</i>	25
20:24:58	<i>Pipistrellus pipistrellus</i>	14
20:25:03	<i>Pipistrellus pipistrellus</i>	1
20:25:16	<i>Pipistrellus pipistrellus</i>	4
20:27:25	<i>Pipistrellus pipistrellus</i>	58
20:27:40	<i>Pipistrellus pipistrellus</i>	60
20:27:55	<i>Pipistrellus pipistrellus</i>	27
20:28:00	<i>Pipistrellus pipistrellus</i>	6
20:28:02	<i>Pipistrellus pipistrellus</i>	13

20:28:08	<i>Pipistrellus pipistrellus</i>	14
20:28:57	<i>Pipistrellus pygmaeus</i>	11
20:29:07	<i>Pipistrellus pipistrellus</i>	26
20:29:18	<i>Pipistrellus pipistrellus</i>	42
20:29:32	<i>Pipistrellus pipistrellus</i>	14
20:29:39	<i>Pipistrellus pipistrellus</i>	56
20:29:54	<i>Pipistrellus pipistrellus</i>	49
20:30:19	<i>Pipistrellus pipistrellus</i>	12
20:30:19	<i>Pipistrellus pygmaeus</i>	2
20:30:30	<i>Pipistrellus pipistrellus</i>	1
20:30:35	<i>Pipistrellus pipistrellus</i>	3
20:30:59	<i>Pipistrellus pipistrellus</i>	30
20:31:14	<i>Pipistrellus pipistrellus</i>	36
20:31:24	<i>Pipistrellus pipistrellus</i>	41
20:31:39	<i>Pipistrellus pipistrellus</i>	60
20:31:53	<i>Pipistrellus pipistrellus</i>	61
20:32:08	<i>Pipistrellus pipistrellus</i>	58
20:32:23	<i>Pipistrellus pipistrellus</i>	54
20:32:41	<i>Pipistrellus pipistrellus</i>	63
20:32:56	<i>Pipistrellus pipistrellus</i>	37
20:33:10	<i>Pipistrellus pipistrellus</i>	64
20:33:25	<i>Pipistrellus pipistrellus</i>	42
20:33:25	<i>Pipistrellus pipistrellus</i>	1
20:33:40	<i>Pipistrellus pipistrellus</i>	40
20:33:54	<i>Pipistrellus pipistrellus</i>	55
20:33:54	<i>Pipistrellus pygmaeus</i>	1
20:34:09	<i>Pipistrellus pipistrellus</i>	63
20:34:24	<i>Pipistrellus pipistrellus</i>	49
20:34:24	<i>Pipistrellus pygmaeus</i>	3
20:34:38	<i>Pipistrellus pipistrellus</i>	22
20:34:38	<i>Pipistrellus pygmaeus</i>	2
20:34:38	<i>Pipistrellus pipistrellus</i>	1
20:35:52	<i>Pipistrellus pygmaeus</i>	2
20:38:38	<i>Pipistrellus pipistrellus</i>	13
20:38:49	<i>Pipistrellus pipistrellus</i>	45
20:38:49	<i>Pipistrellus pipistrellus</i>	1
20:39:04	<i>Pipistrellus pipistrellus</i>	63
20:39:19	<i>Pipistrellus pipistrellus</i>	17
20:39:19	<i>Pipistrellus pygmaeus</i>	1
20:39:33	<i>Pipistrellus pipistrellus</i>	54
20:39:48	<i>Pipistrellus pipistrellus</i>	23
20:40:03	<i>Pipistrellus pipistrellus</i>	60
20:40:03	<i>Pipistrellus pipistrellus</i>	1
20:40:17	<i>Pipistrellus pipistrellus</i>	69
20:40:32	<i>Pipistrellus pipistrellus</i>	12

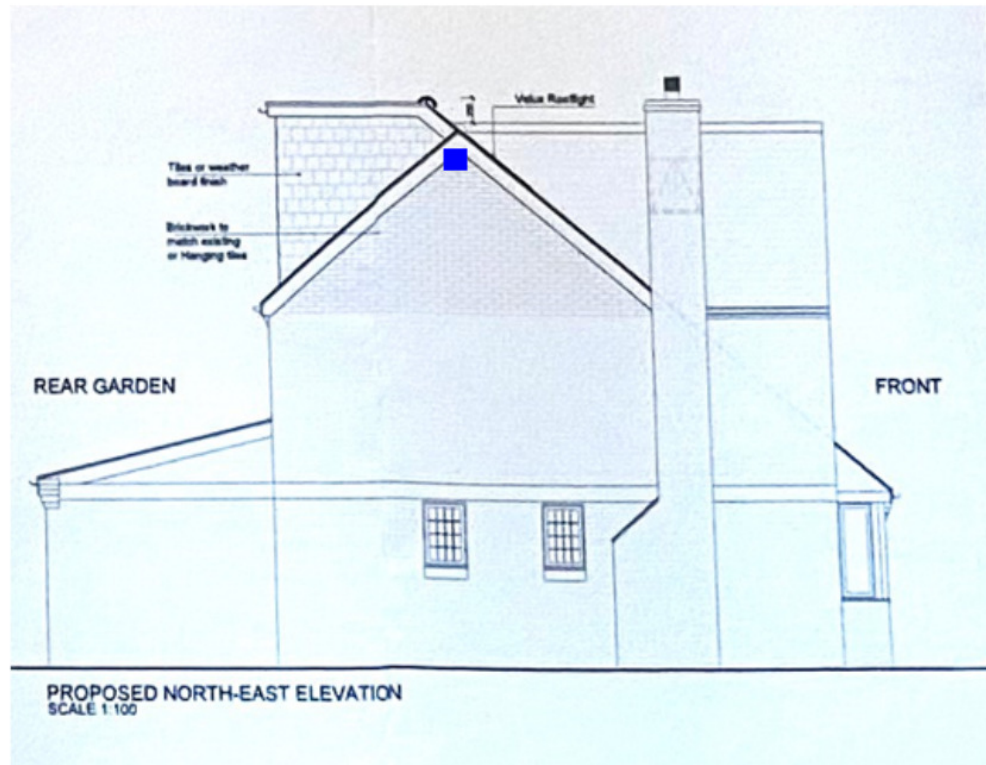
20:42:38	<i>Pipistrellus pygmaeus</i>	5
20:42:42	<i>Pipistrellus pipistrellus</i>	4
20:42:42	<i>Pipistrellus pygmaeus</i>	4
20:44:53	<i>Pipistrellus pipistrellus</i>	9
20:45:05	<i>Pipistrellus pipistrellus</i>	5
20:45:27	<i>Pipistrellus pipistrellus</i>	27
20:45:52	<i>Pipistrellus pipistrellus</i>	10
20:46:30	<i>Pipistrellus pipistrellus</i>	47
20:46:44	<i>Pipistrellus pipistrellus</i>	13
20:47:29	<i>Pipistrellus pipistrellus</i>	5
20:47:34	<i>Pipistrellus pipistrellus</i>	3
20:47:40	<i>Pipistrellus pipistrellus</i>	5
20:47:41	<i>Pipistrellus pipistrellus</i>	41
20:47:52	<i>Pipistrellus pipistrellus</i>	12
20:47:52	<i>Nyctalus noctula</i>	2
20:48:03	<i>Pipistrellus pipistrellus</i>	11
20:48:15	<i>Pipistrellus pipistrellus</i>	13
20:48:44	<i>Pipistrellus pipistrellus</i>	4
20:48:47	<i>Pipistrellus pipistrellus</i>	33
20:49:05	<i>Pipistrellus pipistrellus</i>	5
20:49:36	<i>Pipistrellus pipistrellus</i>	13
20:49:45	<i>Pipistrellus pipistrellus</i>	51
20:50:00	<i>Pipistrellus pipistrellus</i>	48
20:50:14	<i>Pipistrellus pipistrellus</i>	68
20:50:29	<i>Pipistrellus pipistrellus</i>	17
20:50:52	<i>Pipistrellus pipistrellus</i>	10
20:51:24	<i>Pipistrellus pipistrellus</i>	18
20:51:48	<i>Pipistrellus pipistrellus</i>	21
20:53:23	<i>Pipistrellus pygmaeus</i>	16
20:53:41	<i>Pipistrellus pipistrellus</i>	2
20:54:24	<i>Pipistrellus pipistrellus</i>	17
20:55:10	<i>Pipistrellus pipistrellus</i>	12
20:57:22	<i>Pipistrellus pipistrellus</i>	11
20:59:05	<i>Pipistrellus pipistrellus</i>	42
20:59:49	<i>Pipistrellus pipistrellus</i>	14
21:01:31	<i>Pipistrellus pipistrellus</i>	10
21:03:37	<i>Pipistrellus pygmaeus</i>	7
21:04:38	<i>Nyctalus noctula</i>	5
21:04:42	<i>Nyctalus noctula</i>	2
21:06:11	<i>Pipistrellus pipistrellus</i>	5
21:09:54	<i>Plecotus auritus</i>	7
21:10:13	<i>Pipistrellus pipistrellus</i>	3
21:10:24	<i>Pipistrellus pipistrellus</i>	4
21:11:14	<i>Pipistrellus pipistrellus</i>	2
21:11:37	<i>Pipistrellus pipistrellus</i>	1

21:12:21	<i>Pipistrellus pipistrellus</i>	4
21:13:49	<i>Pipistrellus pipistrellus</i>	2
21:14:06	<i>Pipistrellus pipistrellus</i>	2
21:14:16	<i>Pipistrellus pipistrellus</i>	4
21:15:16	<i>Pipistrellus pipistrellus</i>	13
21:22:26	<i>Pipistrellus pipistrellus</i>	12
21:27:11	<i>Pipistrellus pipistrellus</i>	5
21:27:22	<i>Pipistrellus pipistrellus</i>	3
21:28:05	<i>Pipistrellus pipistrellus</i>	3
21:30:40	<i>Pipistrellus pipistrellus</i>	1
21:31:17	<i>Pipistrellus pipistrellus</i>	3
21:31:30	<i>Pipistrellus pipistrellus</i>	10
21:32:09	<i>Pipistrellus pipistrellus</i>	6
21:32:51	<i>Pipistrellus pipistrellus</i>	4
21:33:21	<i>Pipistrellus pipistrellus</i>	5
21:34:19	<i>Pipistrellus pipistrellus</i>	2
21:36:54	<i>Pipistrellus pipistrellus</i>	2
21:37:26	<i>Pipistrellus pipistrellus</i>	0
21:38:31	<i>Pipistrellus pipistrellus</i>	1
21:39:19	<i>Pipistrellus pipistrellus</i>	1
21:40:46	<i>Pipistrellus pipistrellus</i>	7

NB. The number of calls are calculated by the BatExplorer Software during analysis of the data

*0 calls is when the software has not been able to recognise individual calls (it being distant) and therefore cannot calculate the number of calls within the recording

APPENDIX 4 – BAT ROOST PROVISION



■ Location of wall mounted bat box at the existing gable end

Drawn by:	Date:	Scale:	3 Winston Close Spencers Wood	
VP	September 2024	Not to scale	Bat Roost Provision	