

**49 Hyde End Road
Shinfield
Reading
Berkshire
RG2 9EP**

Bat Emergence Survey

R2722_BES_a (draft)

Report Quality Control Information	
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1 EXECUTIVE SUMMARY

- 1.1.1** John Wenman Ecological Consultancy LLP was instructed by Mr and Mrs Derrick to undertake a bat emergence survey for 49 Hyde End Road in Shinfield. The survey was commissioned to accompany a planning application to be submitted to Wokingham Borough Council seeking consent for a two-storey side extension with the addition of a front porch.
- 1.1.2** The survey was commissioned following a Preliminary Roost Assessment (PRA) completed by John Wenman Ecological Consultancy (S2722_PRA_a). Five small-sized bat droppings resembling those typically deposited by crevice-dwelling species, such as the locally recorded pipistrelle bats (*Pipistrellus* spp.), were observed within the roof void of the property. External crevice roost features were identified including lifted clay roof tiles, crumbling hip mortar and gaps behind the timber soffit, which have potential to lead to crevice roost sites. These features could provide sufficient space, shelter, protection and conditions for regular use by individual or small non-breeding groups of crevice-dwelling bats. The suburban setting with hedgerows linking to nearby ancient woodland increases the potential for bats to be present. Overall, taking into account the rural setting, the house is considered to be of moderate suitability for bats.
- 1.1.3** Emergence surveys were conducted for the house on the 5th August 2024 and 16th September 2024. A total of three common pipistrelle bats were observed emerging from the house with the points of egress for the bats including from behind the timber soffits on the south west facing gable end, the main ridge, the eaves on the rear (southeastern) elevation, the eaves on the south west facing elevation of the rear extension, and verge tiles on the south eastern corner of the rear extension. The emergence survey findings and preliminary survey findings indicate that the house acts as day roosts for individual male or non-breeding female common pipistrelle bats. As such, the proposals will result in the permanent loss of two day roosts, which are roosts of low conservation significance.
- 1.1.4** A European Protected Species (EPS) Mitigation Licence will be required to allow the work to proceed lawfully, and the survey findings establish that the site would qualify for “low impact” Bat Mitigation Class Licence (BMCL) WML-CL21 registration. Under the terms of a full EPS mitigation licence or

BMCL, mitigation for the impacts of the work will be required to avoid harming bats and the mitigation strategy is set out in **Section 7**.

2 INTRODUCTION

2.1 Project Background

2.1.1 John Wenman Ecological Consultancy LLP was instructed by Mr and Mrs Derrick to undertake a bat emergence survey for 49 Hyde End Road in Shinfield. The survey was commissioned to accompany a planning application to be submitted to Wokingham Borough Council seeking consent for a two-storey side extension with the addition of a front porch.

2.1.2 The survey was commissioned following a Preliminary Roost Assessment (PRA) completed by John Wenman Ecological Consultancy (S2722_PRA_a). Five small-sized bat droppings resembling those typically deposited by crevice-dwelling species, such as the locally recorded pipistrelle bats (*Pipistrellus* spp.), were observed within the roof void of the property. External crevice roost features were identified including lifted clay roof tiles, crumbling hip mortar and gaps behind the timber soffit, which have potential to lead to crevice roost sites. These features could provide sufficient space, shelter, protection and conditions for regular use by individual or small non-breeding groups of crevice-dwelling bats, such as common and soprano pipistrelle; the suburban setting with hedgerows linking to nearby ancient woodland increases the potential for bats to be present. Overall, taking into account the rural setting, the house is considered to be of moderate suitability for bats.

2.1.3 In accordance with best practice guidance (Collins 2023), two evening emergence surveys were conducted on the 5th August and 16th September 2024.

2.2 Site Location and Context

2.2.1 The semi-detached house is located on the southeastern side of Hyde End Road in Shinfield, south of Reading, Berkshire (central OS Grid reference: SU 73285 67452).

2.2.2 The house is situated within a suburban area with further neighbouring properties and their associated gardens along Hyde End Road. The rear garden directly borders agricultural land with associated tree-lines, hedgerows and a 1.5 hectare parcel of priority mixed ancient woodland approximately 150 metres to the southeast. Furthermore, a 0.6 hectare parcel of mixed priority woodland is situated approximately 30 metres to the northwest with allotments and playing fields 70 metres to the east. The

surroundings are primarily suburban to the northwest with grazing pasture, agricultural land and parcels of mixed woodland to the southeast.

2.3 Report Objectives

- 2.3.1** The aim of the bat emergence survey is to determine the presence or likely 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 Surveys

- 4.1.1** Dusk emergence surveys were undertaken on the 5th August and 16th September 2024 by experienced bat surveyors Vicky Potts MCIEEM – registered under Natural England Class Licence CL18 2016-27162-CLS-CLS - and Sam Wenman -an assistant ecologist.
- 4.1.2** The equipment used during surveys comprised full-spectrum sampling bat detectors (Batlogger M/M2) and infrared night vision aids (Nightfox Whisker binoculars and Sionyx Aurora Pro camera with infrared torch). A still shot of the darkest points of the surveys has been included for the night vision aids in **Appendix 1**.
- 4.1.3** The surveyors for the property were located at its front (northwestern) corner (Survey Location 1) and rear (southeastern) corner (Survey Location 2) – refer to emergence survey plan in **Appendix 2**.
- 4.1.4** Each emergence survey started 15 minutes before sunset and continued for 1 hour and 30 minutes after sunset. Within a five-day period after the survey, the bat call recordings were processed and analysed using the BatExplorer computer software package and the night vision video footage was reviewed in the VLC Media Player.

4.2 Desk Study

- 4.2.1** The MAGIC website was used to search for previous European Protected Species (EPS) licenses granted within a 2km radius.

4.3 Survey Constraints

- 4.3.1** There were no significant constraints to the bat emergence surveys, with at least one of the surveys being undertaken during the optimal survey season, i.e. May to August and one in September, and in conditions suitable for bat activity, i.e. dry and calm with air temperatures 10°C or above at sunset (Collins 2023).
- 4.3.2** This report contains information regarding a mobile species so it will likely be valid for up to 12 months only (CIEEM 2019).

5 SURVEY FINDINGS

5.1 Overview

5.1.1 The bat emergence survey findings are described below, summarised in the **Tables 1-4** below and illustrated in the survey plan in **Appendix 2**; the raw detector data is supplied in **Appendix 3**.

5.2 Emergence Surveys

5th August 2024

5.2.1 Three common pipistrelle (*Pipistrellus pipistrellus*) were observed and recorded on camera emerging from the building. The first was heard and seen by the surveyor at Survey Location 1 at 20:49 (21 minutes after sunset) emerging from being the timber soffits on the south west facing gable end before flying southeast (**Figure 1**). The second was heard and seen by the surveyor at Survey Location 2 at 20:57 (29 minutes after sunset) emerging from the verge tiles on the rear (south east facing) side of the house flying to the south east (**Figure 2**). The third bat was heard and seen by the surveyor situated at Survey Location 2 at 21:00 (32 minutes after sunset) emerging from the eaves on the south west facing elevation of the rear extension (**Figure 3**).



Figure 1. Common pipistrelle emergence location at 20:49 (Surveyor Location 1).



Figure 2. Common pipistrelle emergence location at 20:57 (Surveyor Location 2).



Figure 3. Common pipistrelle emergence location & flight path at 21:00 (Surveyor Location 2).

Table 1. Weather conditions and survey timings

	Wind (BF0-12)	Cloud cover (%)	Rain	Temp start (°C)	Temp end (°C)
Weather	2-3	5	Dry	19	23
Start time	20:28	Sunset time	20:43	Finish time	22:13

Table 2a. Surveyor recordings at Survey Location 1

Species	Recordings*	Emergences	Time of first call after sunset
<i>Myotis</i> sp.	3	0	21:38 (70 mins)
<i>Nyctalus noctula</i>	17	0	21:02 (34 mins)
<i>Pipistrellus pipistrellus</i>	65	1	20:49 (21 mins)
<i>Pipistrellus pygmaeus</i>	4	0	21:25 (57 mins)
<i>Plecotus auritus</i>	1	0	21:46 (78 mins)

Table 2b. Surveyor recordings at Survey Location 2

Species	Recordings*	Emergences	Time of first call after sunset
<i>Myotis</i> sp.	2	0	21:39 (71 mins)
<i>Nyctalus noctula</i>	22	0	21:00 (32 mins)
<i>Pipistrellus pipistrellus</i>	213	2	20:49 (21 mins)
<i>Pipistrellus pygmaeus</i>	8	0	21:12 (44 mins)

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

5.2.2 The first bat recorded during the survey was an emerging common pipistrelle (*Pipistrellus pipistrellus*) bat. Noctule (*Nyctalus noctula*) were heard but not seen from 21:00 (32 mins after sunset), followed by several passes, with the first one seen at 21:02 by both surveyors passing high over the roof of the property from southeast to northwest. This falls outside of the typical emergence period for this species suggesting that they are not roosting close to the property. Soprano pipistrelle (*Pipistrellus pygmaeus*) bats were recorded outside of their typical emergence period. A *Myotis* species was recorded a couple of times, with the first time being at 21:38 (70 minutes after sunset) recorded by the Surveyor in Survey Location 1 and the second at 20:39 (71 minutes after sunset) recorded by the Surveyor in Survey Location 2. A long-eared bat (*Plecotus* sp.) was recorded on one occasion at 21:46 (78 minutes after sunset) by the surveyor at Survey

Location 1. These times for the three species fall outside the typical emergence period for the species suggesting that they are not roosting nearby.

5.2.3 The amount of bat activity was moderate and primarily comprised common pipistrelle (*P. pipistrellus*) regularly recorded foraging over the rear garden and commuting along the south western side of the house.

16th September 2024

5.2.4 One common pipistrelle (*Pipistrellus pipistrellus*) was observed and recorded on camera emerging by the surveyor at Survey Location 2 at 19:23 (8 minutes after sunset), emerging from the verge tiles at the hip roof on the south eastern corner of the rear extension of the house where it then flew to the south east (**Figure 4**). Individual common pipistrelle bats (*Pipistrellus pipistrellus*) were observed and recorded on camera emerging by the surveyor at Survey Location 2 at 19:28 (13 minutes after sunset) and 19:31 (16 minutes after sunset), both emerging from a gap in the ridge mortar before flying to the south east (**Figure 5**).



Figure 4. Common pipistrelle emergence location at 19:23 (Surveyor Location 2).



Figure 5. Common pipistrelle emergence location at 19:28 & 19:31 (Surveyor Location 2).

Table 3. Weather conditions and survey timings

	Wind (BF0-12)	Cloud cover (%)	Rain	Temp start (°C)	Temp end (°C)
Weather	0	15	Dry	18	14
Start time	19:00	Sunset time	19:15	Finish time	20:45

Table 2a. Surveyor recordings at Survey Location 1

Species	Recordings*	Emergences	Time of first call after sunset
<i>Nyctalus noctula</i>	10	0	19:19 (4 mins)
<i>Pipistrellus pipistrellus</i>	311	0	19:28 (13 mins)
<i>Pipistrellus pygmaeus</i>	3	0	20:12 (57 mins)
<i>Social calls</i>	148	0	19:49 (34 mins)

Table 2b. Surveyor recordings at Survey Location 2

Species	Recordings*	Emergences	Time of first call after sunset
<i>Nyctalus noctula</i>	3	0	19:19 (4 mins)
<i>Pipistrellus pipistrellus</i>	469	3	19:23 (8 mins)
<i>Pipistrellus pygmaeus</i>	30	0	19:29 (14 mins)
Social calls	9	0	20:15 (60 mins)

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

5.2.5 The first bat recorded during the survey was a noctule (*Nyctalus noctula*) heard and seen at 19:19 (4 minutes after sunset) by the surveyor at Survey Location 1 passing high over the house towards the southeast, followed by a couple of passes over the house during the survey flying northwest and southwest. The first common pipistrelle (*Pipistrellus pipistrellus*) bat was the emerging bat at 19:23 (8 minutes after sunset). Soprano pipistrelle (*Pipistrellus pygmaeus*) bats were recorded at 19:29 (14 minutes after sunset) by the surveyor in Survey Location 2, which is inside the typical emergence period for the species suggesting that it is roosting nearby. The bat was seen flying south over the rear garden.

5.2.6 The level of bat activity was moderate and primarily comprised common pipistrelle (*P. pipistrellus*) regularly recorded foraging over the rear garden and south western side of the house, with commuting passes also along the south western side of the house.

5.3 Habitat Features Suitable for Bats

5.3.1 The habitats around the house consisted of typical residential habitats with hardstanding, closely mown grassland, scattered trees, hedgerows and planted shrub beds.

5.3.2 The surrounding suburban area, with further neighbouring properties and their associated gardens along Hyde End Road, and with agricultural land with associated tree-lines, hedgerows and parcels of ancient mixed woodland nearby to the southeast resembles continuous habitat providing high-quality flight paths and foraging opportunities for bats.

5.4 Desk Study Findings

5.4.1 Eight bat mitigation licences have been granted within a 2-kilometre radius of the property covering three species including common pipistrelle (*Pipistrellus pipistrellus*), soprano pipistrelle (*Pipistrellus pygmaeus*) and brown long-eared (*Plecotus auritus*). The closest licence covered the damage and destruction to a resting and breeding site for *P. pipistrellus* and

P. auratus at a site situated approximately 810 m to the southwest. This is the closest licenced project to the property. The remaining licenses covered the damage and/or to resting sites.

6 DISCUSSION AND RECOMMENDATIONS

6.1 Assessment of Bat Roost Status

6.1.1 During both emergence surveys, a maximum count of three common pipistrelle (*Pipistrellus pipistrellus*) bats were observed emerging from the house from five access points. The access points for the bats were from behind the timber soffits on the south west facing gable end, the main ridge, the eaves on the rear (southeastern) elevation, the eaves on the south west facing elevation of the rear extension, and verge tiles on the south eastern corner of the rear extension (**Figures 1, 2, 3, 4, & 5**). These findings indicate that the house acts as a day roost for individual male or non-breeding female common pipistrelle (*Pipistrellus pipistrellus*) bats.

6.1.2 Common pipistrelle (*P. pipistrellus*) is a crevice-dwelling species that is one of the most abundant and widespread bat species in Great Britain. This species occurs in almost any habitat type and is well adapted to the built environments; it is one of the species most regularly reported roosting in houses and churches (Mathews *et al.* 2018). Day roosts used by this 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 and Recommendations

6.2.1 The survey data shows that the development proposals will result in the permanent loss of two day roosts for a common pipistrelle (*P. pipistrellus*). Furthermore, in the absence of mitigation the works could lead to the disturbance and/or injury of bats if present at the time.

6.2.2 A European Protected Species (EPS) Mitigation Licence will be required to allow the work to proceed lawfully, and the survey findings, showing the presence of no more than three roosts supporting widespread bat species, 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 AND COMPENSATION PROPOSALS

- 7.1.1** Following the grant of planning consent, before the licensable work begins i.e. removal of the timber soffits and roof tiles, 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 house will be undertaken outside of the winter hibernation season (mid-November to February) to minimise the small risk of disturbing torpid bats. One woodcrete bat box will be fixed to a suitable mature tree or purpose-built pole on site before the works start 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** The work will be preceded by the removal of coverings i.e. timber soffits and roof tiles at the south western side of the property which will be carried out by a soft strip i.e. hand removal of features suitable for roosting bats. The scaffolding used for the works must not block the access points for the retained bat roosts. Before the soft strip begins, 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.
- 7.1.4** The roof coverings will be carefully removed by gloved hands under the supervision of a licensed ecologist, or Registered Consultant if working under the BMCL. 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.
- 7.1.5** In the long-term, the extended house should incorporate features that provide access points/roosting sites for common pipistrelle bats. For example, by incorporating an integrated bat box (such as an Ibstock

enclosed bat box, Habibat bat box, or a suitable functional equivalent) at the apex of the proposed gable (see **Appendix 4**).

- 7.1.6** The new extension's roof should be lined with a bat friendly membrane i.e. Type 1F (bitumen and hessian) felt or a breathable membrane approved for use in bat roosts by Natural England i.e. TLX Batsafe.

8 REFERENCES

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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



Nightfox Whisker at Survey Location 1 (05/08/24).



Sionyx at Survey Location 2 (05/08/24).

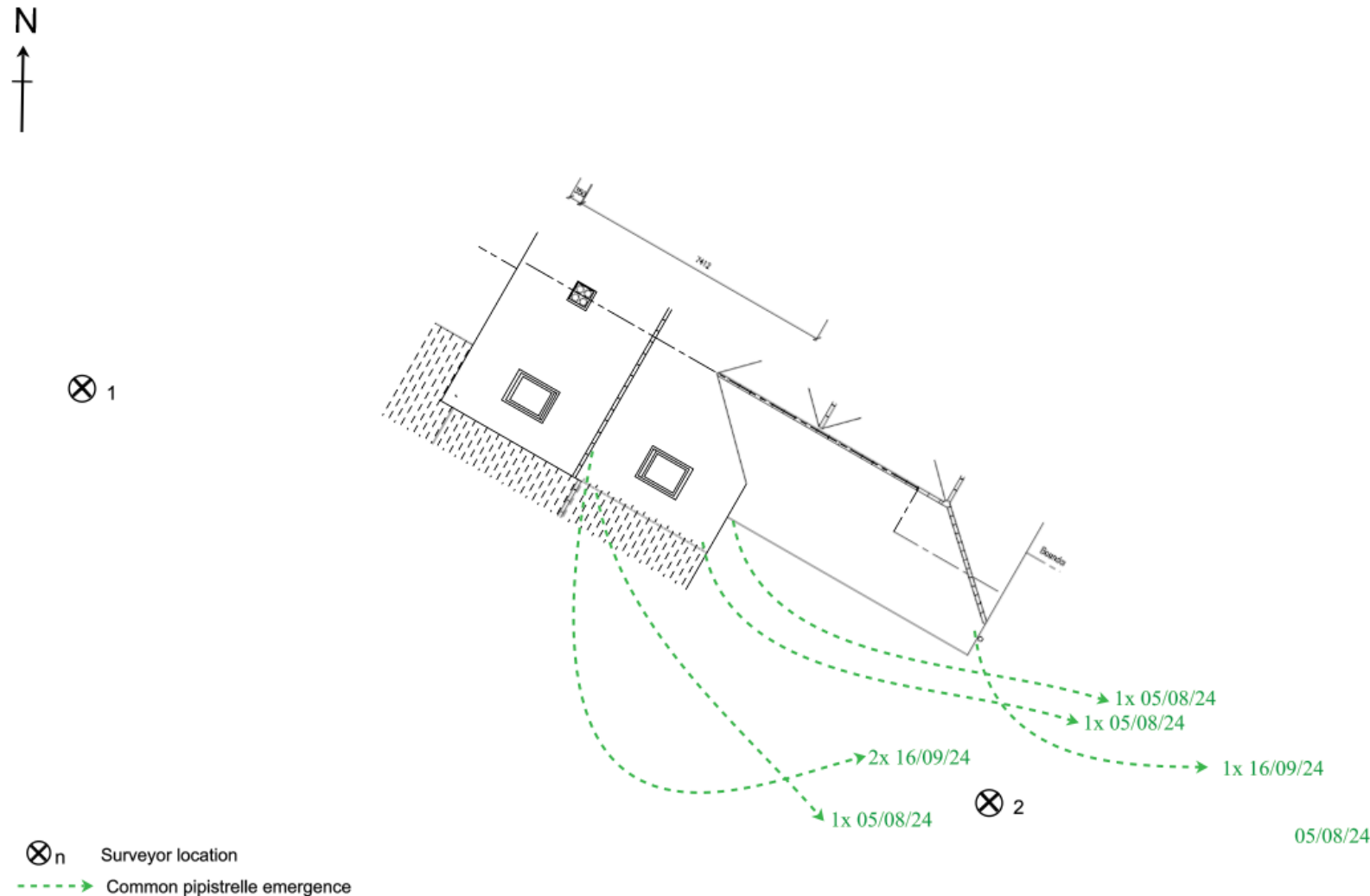


Nightfox Whisker at Survey Location 1 (16/09/24).

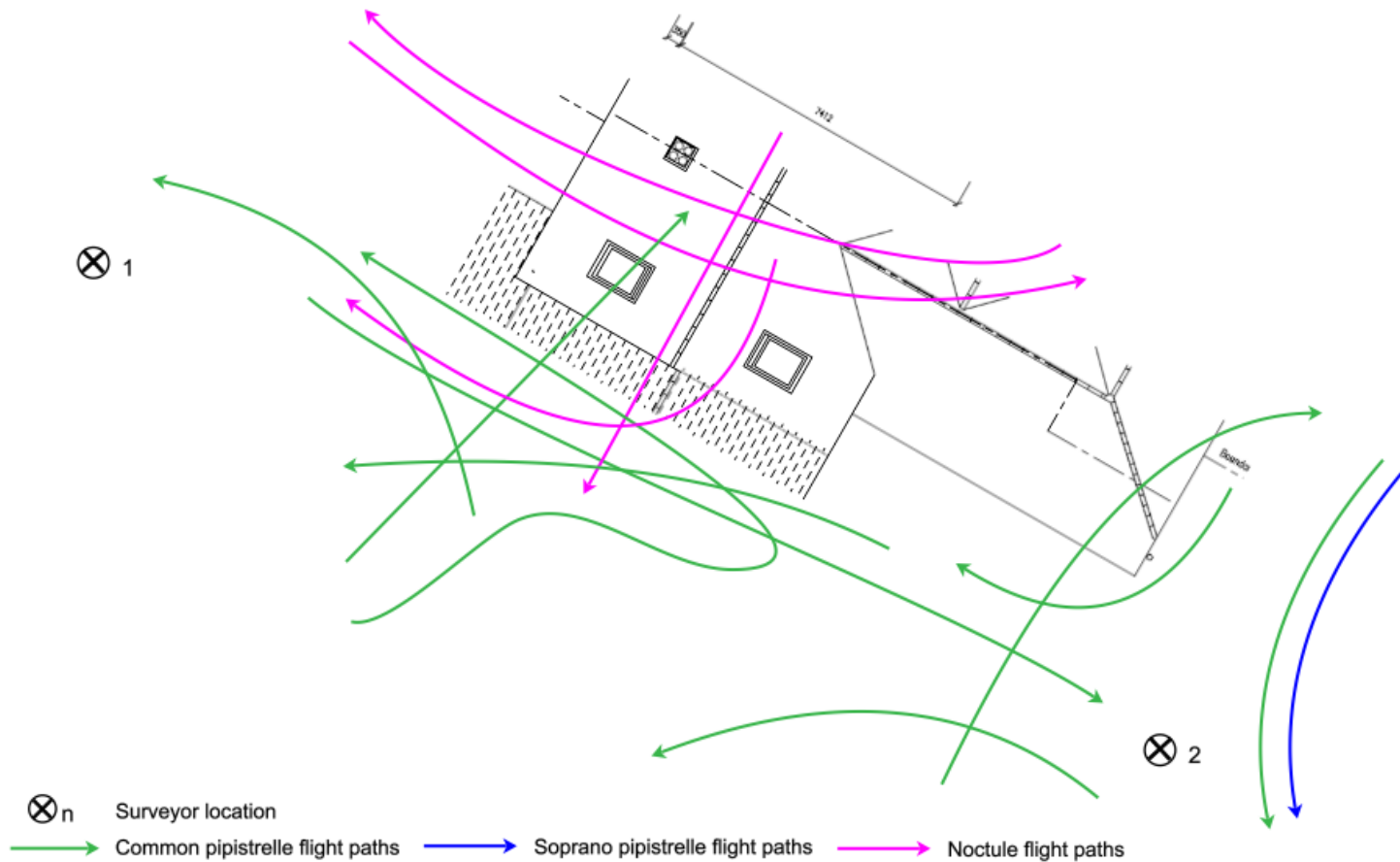


Sionyx Aurora Pro at Survey Location 2 (16/09/24).

APPENDIX 2 – BAT EMERGENCE SURVEY FINDINGS



Drawn by:	Date	Scale:	49 Hyde End Road Shinfield	
VP	Oct 2024	Not to scale	Emergence Survey Plan - emergence access points	



Drawn by:	Date	Scale:	49 Hyde End Road Shinfield	
VP	Oct 2024	Not to scale	Emergence Survey Plan - emergence access points	

APPENDIX 3 – BAT EMERGENCE SURVEY RAW DATA TABLES

5th August 2024 – VP at Location 1 (Batlogger M2)

Time	Species	Number of calls [#]
20:49:53	<i>Pipistrellus pipistrellus</i>	9
21:00:02	<i>Pipistrellus pipistrellus</i>	5
21:00:25	<i>Pipistrellus pipistrellus</i>	5
21:02:35	<i>Nyctalus noctula</i>	20
21:02:35	<i>Pipistrellus pipistrellus</i>	1
21:04:03	<i>Pipistrellus pipistrellus</i>	5
21:04:30	<i>Pipistrellus pipistrellus</i>	0
21:04:40	<i>Pipistrellus pipistrellus</i>	1
21:07:14	<i>Nyctalus noctula</i>	5
21:07:18	<i>Nyctalus noctula</i>	10
21:07:22	<i>Nyctalus noctula</i>	13
21:07:27	<i>Nyctalus noctula</i>	9
21:07:32	<i>Nyctalus noctula</i>	5
21:07:32	<i>Nyctalus noctula</i>	2
21:07:54	<i>Nyctalus noctula</i>	10
21:08:40	<i>Pipistrellus pipistrellus</i>	0
21:10:54	<i>Nyctalus noctula</i>	4
21:11:41	<i>Pipistrellus pipistrellus</i>	23
21:11:58	<i>Pipistrellus pipistrellus</i>	3
21:12:18	<i>Pipistrellus pygmaeus</i>	2
21:13:04	<i>Pipistrellus pipistrellus</i>	7
21:13:34	<i>Pipistrellus pipistrellus</i>	2
21:14:47	<i>Pipistrellus pipistrellus</i>	6
21:14:47	<i>Pipistrellus pipistrellus</i>	1
21:15:13	<i>Pipistrellus pipistrellus</i>	2
21:16:03	<i>Pipistrellus pipistrellus</i>	13
21:16:17	<i>Pipistrellus pipistrellus</i>	10
21:16:31	<i>Nyctalus noctula</i>	4
21:17:07	<i>Pipistrellus pipistrellus</i>	1
21:17:25	<i>Pipistrellus pipistrellus</i>	1
21:18:01	<i>Pipistrellus pipistrellus</i>	2
21:18:31	<i>Pipistrellus pipistrellus</i>	2
21:20:20	<i>Pipistrellus pipistrellus</i>	1
21:21:45	<i>Pipistrellus pipistrellus</i>	3
21:24:20	<i>Pipistrellus pipistrellus</i>	3
21:24:45	<i>Pipistrellus pipistrellus</i>	8
21:25:33	<i>Pipistrellus pygmaeus</i>	13
21:25:55	<i>Pipistrellus pipistrellus</i>	5
21:25:55	<i>Pipistrellus pipistrellus</i>	1
21:26:49	<i>Pipistrellus pipistrellus</i>	5
21:27:33	<i>Pipistrellus pipistrellus</i>	8

21:27:33	<i>Pipistrellus pipistrellus</i>	1
21:27:40	<i>Pipistrellus pipistrellus</i>	7
21:27:54	<i>Pipistrellus pipistrellus</i>	14
21:28:56	<i>Pipistrellus pipistrellus</i>	7
21:29:20	<i>Pipistrellus pipistrellus</i>	1
21:29:20	<i>Pipistrellus pipistrellus</i>	1
21:29:44	<i>Pipistrellus pipistrellus</i>	13
21:29:56	<i>Pipistrellus pipistrellus</i>	6
21:30:19	<i>Pipistrellus pipistrellus</i>	1
21:30:40	<i>Pipistrellus pipistrellus</i>	19
21:30:49	<i>Pipistrellus pipistrellus</i>	3
21:31:00	<i>Pipistrellus pipistrellus</i>	11
21:31:00	<i>Pipistrellus pipistrellus</i>	1
21:31:11	<i>Pipistrellus pipistrellus</i>	9
21:31:17	<i>Pipistrellus pipistrellus</i>	7
21:31:50	<i>Pipistrellus pipistrellus</i>	8
21:32:05	<i>Pipistrellus pipistrellus</i>	4
21:32:11	<i>Pipistrellus pipistrellus</i>	4
21:32:50	<i>Pipistrellus pipistrellus</i>	7
21:33:34	<i>Pipistrellus pipistrellus</i>	10
21:33:51	<i>Pipistrellus pipistrellus</i>	6
21:34:03	<i>Pipistrellus pipistrellus</i>	4
21:34:17	<i>Pipistrellus pipistrellus</i>	6
21:34:21	<i>Pipistrellus pipistrellus</i>	5
21:34:34	<i>Pipistrellus pipistrellus</i>	4
21:35:01	<i>Nyctalus noctula</i>	5
21:35:01	<i>Pipistrellus pipistrellus</i>	2
21:35:30	<i>Pipistrellus pipistrellus</i>	9
21:38:59	<i>Myotis spec.</i>	10
21:38:59	<i>Myotis spec.</i>	2
21:46:44	<i>Plecotus auritus</i>	2
21:46:44	<i>Myotis spec.</i>	2
21:54:53	<i>Pipistrellus pygmaeus</i>	1
21:56:59	<i>Pipistrellus pipistrellus</i>	15
21:57:15	<i>Nyctalus noctula</i>	1
21:57:21	<i>Nyctalus noctula</i>	0
21:59:24	<i>Nyctalus noctula</i>	1
21:59:26	<i>Nyctalus noctula</i>	4
21:59:28	<i>Nyctalus noctula</i>	3
21:59:44	<i>Pipistrellus pipistrellus</i>	3
22:00:41	<i>Pipistrellus pipistrellus</i>	13
22:03:02	<i>Nyctalus noctula</i>	6
22:05:26	<i>Pipistrellus pipistrellus</i>	0
22:05:51	<i>Pipistrellus pipistrellus</i>	15
22:06:33	<i>Pipistrellus pipistrellus</i>	3

22:08:04	<i>Pipistrellus pipistrellus</i>	17
22:10:18	<i>Pipistrellus pipistrellus</i>	6
22:10:29	<i>Pipistrellus pygmaeus</i>	2
22:10:29	<i>Social</i>	1
22:12:13	<i>Pipistrellus pipistrellus</i>	4
21:32:11	<i>Pipistrellus pipistrellus</i>	4
21:32:50	<i>Pipistrellus pipistrellus</i>	7
21:33:34	<i>Pipistrellus pipistrellus</i>	10
21:33:51	<i>Pipistrellus pipistrellus</i>	6
21:34:03	<i>Pipistrellus pipistrellus</i>	4
21:34:17	<i>Pipistrellus pipistrellus</i>	6
21:34:21	<i>Pipistrellus pipistrellus</i>	5
21:34:34	<i>Pipistrellus pipistrellus</i>	4
21:35:01	<i>Nyctalus noctula</i>	5
21:35:01	<i>Pipistrellus pipistrellus</i>	2
21:35:30	<i>Pipistrellus pipistrellus</i>	9
21:38:59	<i>Myotis spec.</i>	10
21:38:59	<i>Myotis spec.</i>	2
21:46:44	<i>Plecotus auritus</i>	2
21:46:44	<i>Myotis spec.</i>	2
21:54:53	<i>Pipistrellus pygmaeus</i>	1
21:56:59	<i>Pipistrellus pipistrellus</i>	15
21:57:15	<i>Nyctalus noctula</i>	1
21:57:21	<i>Nyctalus noctula</i>	0
21:59:24	<i>Nyctalus noctula</i>	1
21:59:26	<i>Nyctalus noctula</i>	4
21:59:28	<i>Nyctalus noctula</i>	3
21:59:44	<i>Pipistrellus pipistrellus</i>	3
22:00:41	<i>Pipistrellus pipistrellus</i>	13
22:03:02	<i>Nyctalus noctula</i>	6
22:05:26	<i>Pipistrellus pipistrellus</i>	0
22:05:51	<i>Pipistrellus pipistrellus</i>	15
22:06:33	<i>Pipistrellus pipistrellus</i>	3
22:08:04	<i>Pipistrellus pipistrellus</i>	17
22:10:18	<i>Pipistrellus pipistrellus</i>	6
22:10:29	<i>Pipistrellus pygmaeus</i>	2
22:10:29	<i>Social</i>	1
22:12:13	<i>Pipistrellus pipistrellus</i>	4

5th August 2024 – SW at Location 2 (Batlogger M)

Time	Species	Number of calls [#]
20:49:54	<i>Pipistrellus pipistrellus</i>	24
20:57:19	<i>Pipistrellus pipistrellus</i>	20
21:00:02	<i>Pipistrellus pipistrellus</i>	19
21:00:10	<i>Pipistrellus pipistrellus</i>	7

21:00:15	<i>Pipistrellus pipistrellus</i>	13
21:00:23	<i>Nyctalus noctula</i>	1
21:00:25	<i>Nyctalus noctula</i>	2
21:02:31	<i>Nyctalus noctula</i>	29
21:02:31	<i>Nyctalus noctula</i>	2
21:03:59	<i>Pipistrellus pipistrellus</i>	39
21:04:11	<i>Pipistrellus pipistrellus</i>	97
21:04:35	<i>Pipistrellus pipistrellus</i>	13
21:05:12	<i>Nyctalus noctula</i>	0
21:07:06	<i>Nyctalus noctula</i>	3
21:07:10	<i>Nyctalus noctula</i>	44
21:07:35	<i>Pipistrellus pipistrellus</i>	27
21:07:35	<i>Nyctalus noctula</i>	3
21:07:35	<i>Nyctalus noctula</i>	1
21:07:45	<i>Pipistrellus pipistrellus</i>	5
21:07:49	<i>Pipistrellus pipistrellus</i>	10
21:07:54	<i>Pipistrellus pipistrellus</i>	55
21:07:54	<i>Nyctalus noctula</i>	14
21:08:19	<i>Pipistrellus pipistrellus</i>	7
21:08:23	<i>Pipistrellus pipistrellus</i>	11
21:08:28	<i>Pipistrellus pipistrellus</i>	12
21:08:34	<i>Pipistrellus pipistrellus</i>	4
21:08:38	<i>Pipistrellus pipistrellus</i>	9
21:09:56	<i>Nyctalus noctula</i>	1
21:10:35	<i>Pipistrellus pipistrellus</i>	14
21:10:41	<i>Pipistrellus pipistrellus</i>	7
21:10:50	<i>Pipistrellus pipistrellus</i>	15
21:10:50	<i>Nyctalus noctula</i>	2
21:11:04	<i>Pipistrellus pipistrellus</i>	1
21:11:08	<i>Pipistrellus pipistrellus</i>	0
21:11:11	<i>Pipistrellus pipistrellus</i>	1
21:11:13	<i>Pipistrellus pipistrellus</i>	11
21:11:18	<i>Pipistrellus pipistrellus</i>	4
21:11:20	<i>Pipistrellus pipistrellus</i>	6
21:11:23	<i>Pipistrellus pipistrellus</i>	8
21:11:27	<i>Pipistrellus pipistrellus</i>	11
21:11:27	<i>Pipistrellus pipistrellus</i>	1
21:11:31	<i>Pipistrellus pipistrellus</i>	39
21:11:46	<i>Pipistrellus pipistrellus</i>	19
21:11:53	<i>Pipistrellus pipistrellus</i>	39
21:12:05	<i>Pipistrellus pipistrellus</i>	31
21:12:15	<i>Pipistrellus pipistrellus</i>	33
21:12:15	<i>Pipistrellus pygmaeus</i>	12
21:12:29	<i>Pipistrellus pipistrellus</i>	47
21:12:50	<i>Pipistrellus pipistrellus</i>	3

21:12:56	<i>Pipistrellus pipistrellus</i>	1
21:13:03	<i>Pipistrellus pipistrellus</i>	5
21:13:13	<i>Pipistrellus pipistrellus</i>	3
21:13:17	<i>Pipistrellus pipistrellus</i>	5
21:13:23	<i>Pipistrellus pipistrellus</i>	1
21:13:26	<i>Pipistrellus pipistrellus</i>	4
21:13:31	<i>Pipistrellus pipistrellus</i>	80
21:13:31	<i>Nyctalus noctula</i>	11
21:13:51	<i>Pipistrellus pipistrellus</i>	11
21:13:55	<i>Pipistrellus pipistrellus</i>	52
21:14:12	<i>Pipistrellus pipistrellus</i>	15
21:14:17	<i>Pipistrellus pipistrellus</i>	0
21:14:20	<i>Pipistrellus pipistrellus</i>	6
21:14:26	<i>Pipistrellus pipistrellus</i>	13
21:14:34	<i>Pipistrellus pipistrellus</i>	0
21:14:39	<i>Pipistrellus pipistrellus</i>	0
21:14:46	<i>Pipistrellus pipistrellus</i>	23
21:14:46	<i>Pipistrellus pipistrellus</i>	1
21:14:55	<i>Pipistrellus pipistrellus</i>	90
21:15:20	<i>Pipistrellus pipistrellus</i>	6
21:15:25	<i>Pipistrellus pipistrellus</i>	31
21:15:37	<i>Pipistrellus pipistrellus</i>	37
21:15:37	<i>Pipistrellus pipistrellus</i>	1
21:15:47	<i>Pipistrellus pipistrellus</i>	8
21:15:52	<i>Pipistrellus pipistrellus</i>	12
21:15:57	<i>Pipistrellus pipistrellus</i>	20
21:16:04	<i>Pipistrellus pipistrellus</i>	99
21:16:29	<i>Pipistrellus pipistrellus</i>	23
21:16:37	<i>Pipistrellus pipistrellus</i>	12
21:16:43	<i>Pipistrellus pipistrellus</i>	56
21:16:55	<i>Pipistrellus pipistrellus</i>	0
21:16:58	<i>Pipistrellus pipistrellus</i>	0
21:17:01	<i>Pipistrellus pipistrellus</i>	105
21:17:01	<i>Pipistrellus pipistrellus</i>	1
21:17:25	<i>Pipistrellus pipistrellus</i>	79
21:17:44	<i>Pipistrellus pipistrellus</i>	16
21:17:49	<i>Pipistrellus pipistrellus</i>	36
21:17:49	<i>Pipistrellus pipistrellus</i>	1
21:18:01	<i>Pipistrellus pipistrellus</i>	74
21:18:01	<i>Pipistrellus pipistrellus</i>	1
21:18:20	<i>Pipistrellus pipistrellus</i>	5
21:18:25	<i>Pipistrellus pipistrellus</i>	64
21:18:47	<i>Pipistrellus pipistrellus</i>	13
21:18:51	<i>Pipistrellus pipistrellus</i>	12
21:18:56	<i>Pipistrellus pipistrellus</i>	44

21:19:05	<i>Pipistrellus pipistrellus</i>	27
21:19:15	<i>Pipistrellus pipistrellus</i>	12
21:19:20	<i>Pipistrellus pipistrellus</i>	8
21:19:24	<i>Pipistrellus pipistrellus</i>	34
21:19:33	<i>Pipistrellus pipistrellus</i>	68
21:19:48	<i>Pipistrellus pipistrellus</i>	39
21:19:48	<i>Pipistrellus pipistrellus</i>	1
21:20:00	<i>Pipistrellus pipistrellus</i>	18
21:20:08	<i>Pipistrellus pipistrellus</i>	14
21:20:14	<i>Pipistrellus pipistrellus</i>	5
21:20:16	<i>Pipistrellus pipistrellus</i>	40
21:20:30	<i>Pipistrellus pipistrellus</i>	33
21:20:45	<i>Pipistrellus pipistrellus</i>	0
21:20:51	<i>Pipistrellus pipistrellus</i>	3
21:20:53	<i>Pipistrellus pipistrellus</i>	0
21:21:04	<i>Pipistrellus pipistrellus</i>	1
21:21:07	<i>Pipistrellus pipistrellus</i>	61
21:21:31	<i>Pipistrellus pipistrellus</i>	6
21:21:34	<i>Pipistrellus pipistrellus</i>	63
21:21:34	<i>Pipistrellus pipistrellus</i>	1
21:21:58	<i>Pipistrellus pipistrellus</i>	48
21:22:22	<i>Pipistrellus pipistrellus</i>	8
21:22:27	<i>Pipistrellus pipistrellus</i>	18
21:22:35	<i>Pipistrellus pipistrellus</i>	9
21:22:42	<i>Pipistrellus pipistrellus</i>	4
21:22:42	<i>Pipistrellus pipistrellus</i>	1
21:22:46	<i>Pipistrellus pipistrellus</i>	21
21:22:46	<i>Pipistrellus pipistrellus</i>	1
21:22:55	<i>Pipistrellus pipistrellus</i>	7
21:22:59	<i>Pipistrellus pipistrellus</i>	32
21:23:09	<i>Pipistrellus pipistrellus</i>	30
21:23:22	<i>Pipistrellus pipistrellus</i>	15
21:23:27	<i>Pipistrellus pipistrellus</i>	13
21:23:33	<i>Pipistrellus pipistrellus</i>	11
21:23:38	<i>Pipistrellus pipistrellus</i>	4
21:23:43	<i>Pipistrellus pipistrellus</i>	8
21:23:49	<i>Pipistrellus pipistrellus</i>	12
21:23:57	<i>Pipistrellus pipistrellus</i>	17
21:24:07	<i>Pipistrellus pipistrellus</i>	26
21:24:17	<i>Pipistrellus pipistrellus</i>	38
21:24:33	<i>Pipistrellus pipistrellus</i>	15
21:24:38	<i>Pipistrellus pipistrellus</i>	42
21:24:49	<i>Pipistrellus pipistrellus</i>	12
21:25:03	<i>Pipistrellus pipistrellus</i>	39
21:25:17	<i>Pipistrellus pipistrellus</i>	64

21:25:34	<i>Pipistrellus pipistrellus</i>	21
21:25:44	<i>Pipistrellus pipistrellus</i>	5
21:25:48	<i>Pipistrellus pipistrellus</i>	62
21:25:48	<i>Pipistrellus pipistrellus</i>	1
21:26:12	<i>Pipistrellus pipistrellus</i>	36
21:26:27	<i>Pipistrellus pipistrellus</i>	10
21:26:31	<i>Pipistrellus pipistrellus</i>	6
21:26:34	<i>Pipistrellus pipistrellus</i>	101
21:26:58	<i>Pipistrellus pipistrellus</i>	16
21:27:04	<i>Pipistrellus pipistrellus</i>	11
21:27:07	<i>Pipistrellus pipistrellus</i>	8
21:27:12	<i>Pipistrellus pipistrellus</i>	45
21:27:23	<i>Pipistrellus pipistrellus</i>	14
21:27:23	<i>Pipistrellus pipistrellus</i>	1
21:27:31	<i>Pipistrellus pipistrellus</i>	29
21:27:41	<i>Pipistrellus pipistrellus</i>	109
21:27:41	<i>Pipistrellus pipistrellus</i>	1
21:28:13	<i>Pipistrellus pygmaeus</i>	1
21:28:20	<i>Pipistrellus pipistrellus</i>	1
21:28:29	<i>Pipistrellus pipistrellus</i>	0
21:28:38	<i>Pipistrellus pipistrellus</i>	7
21:28:45	<i>Pipistrellus pipistrellus</i>	6
21:28:48	<i>Pipistrellus pipistrellus</i>	9
21:28:52	<i>Pipistrellus pipistrellus</i>	74
21:29:17	<i>Pipistrellus pipistrellus</i>	76
21:29:48	<i>Pipistrellus pipistrellus</i>	54
21:30:16	<i>Pipistrellus pipistrellus</i>	8
21:30:20	<i>Pipistrellus pipistrellus</i>	60
21:30:44	<i>Pipistrellus pipistrellus</i>	16
21:30:54	<i>Pipistrellus pipistrellus</i>	7
21:30:54	<i>Pipistrellus pipistrellus</i>	1
21:30:59	<i>Pipistrellus pipistrellus</i>	61
21:31:17	<i>Pipistrellus pipistrellus</i>	61
21:31:30	<i>Pipistrellus pipistrellus</i>	13
21:31:37	<i>Pipistrellus pipistrellus</i>	2
21:31:41	<i>Pipistrellus pipistrellus</i>	5
21:31:46	<i>Pipistrellus pipistrellus</i>	74
21:32:10	<i>Pipistrellus pipistrellus</i>	33
21:32:21	<i>Pipistrellus pipistrellus</i>	30
21:32:30	<i>Pipistrellus pipistrellus</i>	21
21:32:39	<i>Pipistrellus pipistrellus</i>	23
21:32:47	<i>Pipistrellus pipistrellus</i>	89
21:33:11	<i>Pipistrellus pipistrellus</i>	28
21:33:20	<i>Pipistrellus pipistrellus</i>	10
21:33:26	<i>Pipistrellus pipistrellus</i>	2

21:33:30	<i>Pipistrellus pipistrellus</i>	60
21:33:47	<i>Pipistrellus pipistrellus</i>	18
21:33:54	<i>Pipistrellus pipistrellus</i>	16
21:33:59	<i>Pipistrellus pipistrellus</i>	65
21:34:17	<i>Pipistrellus pipistrellus</i>	61
21:34:33	<i>Pipistrellus pipistrellus</i>	39
21:34:44	<i>Pipistrellus pipistrellus</i>	75
21:34:44	<i>Nyctalus noctula</i>	2
21:35:24	<i>Pipistrellus pipistrellus</i>	11
21:35:30	<i>Pipistrellus pipistrellus</i>	33
21:35:43	<i>Pipistrellus pipistrellus</i>	5
21:35:48	<i>Pipistrellus pipistrellus</i>	14
21:37:10	<i>Pipistrellus pipistrellus</i>	15
21:39:08	<i>Myotis spec.</i>	1
21:39:30	<i>Pipistrellus pygmaeus</i>	21
21:41:00	<i>Pipistrellus pipistrellus</i>	1
21:42:49	<i>Pipistrellus pipistrellus</i>	4
21:42:54	<i>Pipistrellus pipistrellus</i>	19
21:43:59	<i>Pipistrellus pipistrellus</i>	1
21:44:17	<i>Pipistrellus pipistrellus</i>	29
21:48:00	<i>Pipistrellus pygmaeus</i>	16
21:48:48	<i>Pipistrellus pipistrellus</i>	29
21:50:00	<i>Pipistrellus pipistrellus</i>	28
21:51:40	<i>Pipistrellus pipistrellus</i>	1
21:54:43	<i>Pipistrellus pygmaeus</i>	0
21:54:47	<i>Pipistrellus pygmaeus</i>	2
21:54:55	<i>Pipistrellus pipistrellus</i>	2
21:54:58	<i>Pipistrellus pipistrellus</i>	16
21:55:06	<i>Pipistrellus pipistrellus</i>	34
21:56:21	<i>Myotis spec.</i>	10
21:56:50	<i>Pipistrellus pipistrellus</i>	73
21:57:06	<i>Pipistrellus pipistrellus</i>	6
21:57:15	<i>Nyctalus noctula</i>	12
21:58:14	<i>Pipistrellus pipistrellus</i>	1
21:58:16	<i>Pipistrellus pipistrellus</i>	16
21:58:33	<i>Pipistrellus pygmaeus</i>	7
21:59:09	<i>Pipistrellus pipistrellus</i>	21
21:59:26	<i>Nyctalus noctula</i>	11
21:59:47	<i>Pipistrellus pipistrellus</i>	7
21:59:51	<i>Pipistrellus pipistrellus</i>	4
22:00:15	<i>Pipistrellus pipistrellus</i>	11
22:00:35	<i>Pipistrellus pipistrellus</i>	3
22:00:41	<i>Pipistrellus pipistrellus</i>	12
22:00:58	<i>Pipistrellus pipistrellus</i>	21
22:01:06	<i>Pipistrellus pipistrellus</i>	7

22:02:31	<i>Pipistrellus pipistrellus</i>	18
22:02:59	<i>Nyctalus noctula</i>	3
22:03:03	<i>Nyctalus noctula</i>	3
22:03:08	<i>Nyctalus noctula</i>	9
22:05:29	<i>Pipistrellus pygmaeus</i>	4
22:05:45	<i>Pipistrellus pipistrellus</i>	46
22:05:59	<i>Pipistrellus pipistrellus</i>	10
22:06:34	<i>Pipistrellus pipistrellus</i>	22
22:08:05	<i>Pipistrellus pipistrellus</i>	3
22:08:09	<i>Pipistrellus pipistrellus</i>	4
22:08:15	<i>Pipistrellus pipistrellus</i>	3
22:08:31	<i>Pipistrellus pipistrellus</i>	20
22:11:38	<i>Nyctalus noctula</i>	2
22:11:43	<i>Nyctalus noctula</i>	2
22:12:12	<i>Pipistrellus pipistrellus</i>	4
22:12:12	<i>Nyctalus noctula</i>	1

16th September 2024 – VP at Location 1 (Batlogger M2)

Time	Species	Number of calls [#]
19:19:41	<i>Nyctalus noctula</i>	4
19:22:15	<i>Nyctalus noctula</i>	12
19:22:29	<i>Nyctalus noctula</i>	10
19:23:57	<i>Nyctalus noctula</i>	5
19:23:59	<i>Nyctalus noctula</i>	8
19:24:05	<i>Nyctalus noctula</i>	7
19:24:07	<i>Nyctalus noctula</i>	7
19:27:37	<i>Nyctalus noctula</i>	14
19:28:52	<i>Pipistrellus pipistrellus</i>	17
19:29:11	<i>Pipistrellus pipistrellus</i>	1
19:31:45	<i>Pipistrellus pipistrellus</i>	4
19:33:15	<i>Pipistrellus pipistrellus</i>	16
19:36:48	<i>Pipistrellus pipistrellus</i>	5
19:36:52	<i>Pipistrellus pipistrellus</i>	3
19:36:55	<i>Pipistrellus pipistrellus</i>	15
19:38:34	<i>Pipistrellus pipistrellus</i>	2
19:40:59	<i>Pipistrellus pipistrellus</i>	2
19:41:00	<i>Pipistrellus pipistrellus</i>	2
19:41:17	<i>Pipistrellus pipistrellus</i>	10
19:45:01	<i>Pipistrellus pipistrellus</i>	6
19:45:04	<i>Pipistrellus pipistrellus</i>	7
19:47:47	<i>Pipistrellus pipistrellus</i>	5
19:47:47	<i>Nyctalus noctula</i>	4
19:48:46	<i>Pipistrellus pipistrellus</i>	1
19:49:02	<i>Pipistrellus pipistrellus</i>	20
19:49:02	<i>Social</i>	1

19:50:26	<i>Pipistrellus pipistrellus</i>	6
19:50:26	<i>Social</i>	1
19:53:45	<i>Pipistrellus pipistrellus</i>	8
19:55:00	<i>Pipistrellus pipistrellus</i>	8
19:55:03	<i>Pipistrellus pipistrellus</i>	5
19:55:35	<i>Pipistrellus pipistrellus</i>	16
19:55:50	<i>Pipistrellus pipistrellus</i>	12
19:56:01	<i>Pipistrellus pipistrellus</i>	9
19:56:01	<i>Social</i>	1
19:56:05	<i>Pipistrellus pipistrellus</i>	7
19:56:07	<i>Pipistrellus pipistrellus</i>	9
19:56:20	<i>Pipistrellus pipistrellus</i>	13
19:56:40	<i>Pipistrellus pipistrellus</i>	16
19:56:54	<i>Pipistrellus pipistrellus</i>	9
19:56:57	<i>Pipistrellus pipistrellus</i>	7
19:57:13	<i>Pipistrellus pipistrellus</i>	25
19:57:29	<i>Pipistrellus pipistrellus</i>	9
19:57:44	<i>Pipistrellus pipistrellus</i>	15
19:58:08	<i>Pipistrellus pipistrellus</i>	18
19:58:27	<i>Pipistrellus pipistrellus</i>	8
19:58:27	<i>Social</i>	1
19:58:30	<i>Pipistrellus pipistrellus</i>	7
19:58:40	<i>Pipistrellus pipistrellus</i>	11
19:58:40	<i>Social</i>	1
19:58:48	<i>Pipistrellus pipistrellus</i>	20
19:59:02	<i>Pipistrellus pipistrellus</i>	13
19:59:09	<i>Pipistrellus pipistrellus</i>	13
19:59:22	<i>Pipistrellus pipistrellus</i>	20
19:59:39	<i>Pipistrellus pipistrellus</i>	14
19:59:53	<i>Pipistrellus pipistrellus</i>	23
20:00:04	<i>Pipistrellus pipistrellus</i>	16
20:00:18	<i>Pipistrellus pipistrellus</i>	4
20:00:21	<i>Pipistrellus pipistrellus</i>	23
20:00:40	<i>Pipistrellus pipistrellus</i>	17
20:00:51	<i>Pipistrellus pipistrellus</i>	20
20:01:05	<i>Pipistrellus pipistrellus</i>	6
20:01:08	<i>Pipistrellus pipistrellus</i>	10
20:01:19	<i>Pipistrellus pipistrellus</i>	17
20:01:33	<i>Pipistrellus pipistrellus</i>	13
20:01:48	<i>Pipistrellus pipistrellus</i>	15
20:02:02	<i>Pipistrellus pipistrellus</i>	5
20:02:05	<i>Pipistrellus pipistrellus</i>	5
20:02:19	<i>Pipistrellus pipistrellus</i>	17
20:02:26	<i>Pipistrellus pipistrellus</i>	8
20:02:35	<i>Pipistrellus pipistrellus</i>	6

20:02:47	<i>Pipistrellus pipistrellus</i>	20
20:02:47	<i>Pipistrellus pipistrellus</i>	1
20:03:04	<i>Pipistrellus pipistrellus</i>	9
20:03:07	<i>Pipistrellus pipistrellus</i>	10
20:03:19	<i>Pipistrellus pipistrellus</i>	6
20:03:19	<i>Social</i>	2
20:03:31	<i>Pipistrellus pipistrellus</i>	5
20:03:34	<i>Pipistrellus pipistrellus</i>	8
20:03:39	<i>Pipistrellus pipistrellus</i>	12
20:03:41	<i>Pipistrellus pipistrellus</i>	6
20:03:49	<i>Pipistrellus pipistrellus</i>	11
20:04:03	<i>Pipistrellus pipistrellus</i>	15
20:04:03	<i>Social</i>	1
20:04:20	<i>Pipistrellus pipistrellus</i>	12
20:04:38	<i>Pipistrellus pipistrellus</i>	0
20:04:41	<i>Pipistrellus pipistrellus</i>	4
20:04:44	<i>Pipistrellus pipistrellus</i>	4
20:04:50	<i>Pipistrellus pipistrellus</i>	2
20:05:17	<i>Pipistrellus pipistrellus</i>	3
20:05:36	<i>Pipistrellus pipistrellus</i>	4
20:05:39	<i>Pipistrellus pipistrellus</i>	4
20:05:49	<i>Pipistrellus pipistrellus</i>	14
20:06:04	<i>Pipistrellus pipistrellus</i>	9
20:06:04	<i>Social</i>	1
20:06:08	<i>Pipistrellus pipistrellus</i>	20
20:06:08	<i>Social</i>	1
20:06:23	<i>Pipistrellus pipistrellus</i>	12
20:06:31	<i>Pipistrellus pipistrellus</i>	10
20:06:34	<i>Pipistrellus pipistrellus</i>	7
20:06:45	<i>Pipistrellus pipistrellus</i>	8
20:06:48	<i>Pipistrellus pipistrellus</i>	7
20:06:59	<i>Pipistrellus pipistrellus</i>	10
20:06:59	<i>Social</i>	1
20:07:13	<i>Pipistrellus pipistrellus</i>	16
20:07:26	<i>Pipistrellus pipistrellus</i>	15
20:07:26	<i>Social</i>	1
20:07:40	<i>Pipistrellus pipistrellus</i>	14
20:07:40	<i>Social</i>	2
20:07:54	<i>Pipistrellus pipistrellus</i>	13
20:07:58	<i>Pipistrellus pipistrellus</i>	7
20:07:58	<i>Pipistrellus pipistrellus</i>	1
20:08:09	<i>Pipistrellus pipistrellus</i>	6
20:08:09	<i>Social</i>	1
20:08:12	<i>Pipistrellus pipistrellus</i>	7
20:08:12	<i>Social</i>	2

20:08:17	<i>Pipistrellus pipistrellus</i>	11
20:08:33	<i>Pipistrellus pipistrellus</i>	9
20:08:33	<i>Pipistrellus pipistrellus</i>	1
20:08:51	<i>Pipistrellus pipistrellus</i>	4
20:08:55	<i>Pipistrellus pipistrellus</i>	6
20:09:07	<i>Pipistrellus pipistrellus</i>	12
20:09:15	<i>Pipistrellus pipistrellus</i>	21
20:09:15	<i>Social</i>	1
20:09:26	<i>Pipistrellus pipistrellus</i>	11
20:09:26	<i>Social</i>	2
20:09:30	<i>Pipistrellus pipistrellus</i>	7
20:09:30	<i>Social</i>	1
20:09:41	<i>Pipistrellus pipistrellus</i>	15
20:09:41	<i>Social</i>	1
20:09:59	<i>Pipistrellus pipistrellus</i>	10
20:10:12	<i>Pipistrellus pipistrellus</i>	17
20:10:12	<i>Social</i>	2
20:10:36	<i>Pipistrellus pipistrellus</i>	8
20:10:43	<i>Pipistrellus pipistrellus</i>	13
20:10:52	<i>Pipistrellus pipistrellus</i>	10
20:11:01	<i>Pipistrellus pipistrellus</i>	5
20:11:01	<i>Social</i>	1
20:11:04	<i>Pipistrellus pipistrellus</i>	5
20:11:11	<i>Pipistrellus pipistrellus</i>	13
20:11:18	<i>Pipistrellus pipistrellus</i>	11
20:11:18	<i>Social</i>	1
20:11:22	<i>Pipistrellus pipistrellus</i>	4
20:12:04	<i>Pipistrellus pygmaeus</i>	8
20:12:04	<i>Social</i>	1
20:12:14	<i>Pipistrellus pipistrellus</i>	5
20:12:14	<i>Pipistrellus pipistrellus</i>	1
20:12:17	<i>Pipistrellus pipistrellus</i>	5
20:12:17	<i>Social</i>	2
20:12:24	<i>Pipistrellus pipistrellus</i>	8
20:12:24	<i>Social</i>	3
20:12:27	<i>Social</i>	2
20:12:27	<i>Pipistrellus pipistrellus</i>	2
20:12:42	<i>Pipistrellus pipistrellus</i>	8
20:12:42	<i>Social</i>	3
20:12:58	<i>Pipistrellus pipistrellus</i>	12
20:13:02	<i>Pipistrellus pipistrellus</i>	5
20:13:02	<i>Nyctalus noctula</i>	2
20:13:07	<i>Pipistrellus pipistrellus</i>	12
20:13:17	<i>Pipistrellus pipistrellus</i>	5
20:13:20	<i>Pipistrellus pipistrellus</i>	8

20:13:31	<i>Pipistrellus pipistrellus</i>	16
20:13:31	<i>Social</i>	1
20:13:38	<i>Pipistrellus pipistrellus</i>	7
20:13:38	<i>Social</i>	1
20:13:42	<i>Pipistrellus pipistrellus</i>	14
20:13:48	<i>Pipistrellus pipistrellus</i>	8
20:13:48	<i>Social</i>	1
20:13:51	<i>Pipistrellus pipistrellus</i>	10
20:13:57	<i>Pipistrellus pipistrellus</i>	14
20:13:57	<i>Social</i>	1
20:14:06	<i>Pipistrellus pipistrellus</i>	12
20:14:10	<i>Pipistrellus pipistrellus</i>	12
20:14:16	<i>Pipistrellus pipistrellus</i>	5
20:14:19	<i>Pipistrellus pipistrellus</i>	16
20:14:26	<i>Pipistrellus pipistrellus</i>	9
20:14:30	<i>Pipistrellus pipistrellus</i>	10
20:14:35	<i>Pipistrellus pipistrellus</i>	10
20:14:39	<i>Pipistrellus pipistrellus</i>	9
20:14:39	<i>Social</i>	1
20:14:53	<i>Pipistrellus pipistrellus</i>	15
20:15:02	<i>Pipistrellus pipistrellus</i>	12
20:15:02	<i>Social</i>	2
20:15:06	<i>Pipistrellus pipistrellus</i>	3
20:15:06	<i>Social</i>	1
20:15:12	<i>Pipistrellus pipistrellus</i>	10
20:15:15	<i>Pipistrellus pipistrellus</i>	4
20:15:15	<i>Social</i>	1
20:15:21	<i>Pipistrellus pipistrellus</i>	7
20:15:21	<i>Social</i>	1
20:15:26	<i>Pipistrellus pipistrellus</i>	5
20:15:31	<i>Pipistrellus pipistrellus</i>	3
20:15:31	<i>Social</i>	1
20:15:31	<i>Pipistrellus pipistrellus</i>	1
20:15:34	<i>Pipistrellus pipistrellus</i>	27
20:15:34	<i>Social</i>	3
20:15:43	<i>Pipistrellus pipistrellus</i>	11
20:15:43	<i>Social</i>	4
20:15:51	<i>Pipistrellus pipistrellus</i>	9
20:15:54	<i>Pipistrellus pipistrellus</i>	5
20:15:54	<i>Social</i>	1
20:16:00	<i>Pipistrellus pipistrellus</i>	7
20:16:00	<i>Social</i>	2
20:16:03	<i>Pipistrellus pipistrellus</i>	10
20:16:03	<i>Social</i>	2
20:16:08	<i>Pipistrellus pipistrellus</i>	13

20:16:08	<i>Social</i>	3
20:16:13	<i>Pipistrellus pipistrellus</i>	5
20:16:18	<i>Pipistrellus pipistrellus</i>	12
20:16:18	<i>Social</i>	1
20:16:22	<i>Pipistrellus pipistrellus</i>	7
20:16:22	<i>Social</i>	1
20:16:28	<i>Pipistrellus pipistrellus</i>	6
20:16:28	<i>Social</i>	1
20:16:32	<i>Pipistrellus pipistrellus</i>	4
20:16:34	<i>Pipistrellus pipistrellus</i>	25
20:16:34	<i>Pipistrellus pipistrellus</i>	1
20:16:48	<i>Pipistrellus pipistrellus</i>	13
20:16:48	<i>Social</i>	3
20:16:55	<i>Pipistrellus pipistrellus</i>	16
20:16:55	<i>Social</i>	1
20:17:02	<i>Pipistrellus pipistrellus</i>	12
20:17:02	<i>Social</i>	1
20:17:06	<i>Pipistrellus pipistrellus</i>	10
20:17:06	<i>Social</i>	1
20:17:12	<i>Pipistrellus pipistrellus</i>	12
20:17:12	<i>Social</i>	3
20:17:16	<i>Pipistrellus pipistrellus</i>	9
20:17:16	<i>Social</i>	1
20:17:22	<i>Pipistrellus pipistrellus</i>	11
20:17:22	<i>Social</i>	1
20:17:25	<i>Pipistrellus pipistrellus</i>	7
20:17:32	<i>Pipistrellus pipistrellus</i>	9
20:17:32	<i>Social</i>	1
20:17:35	<i>Pipistrellus pipistrellus</i>	6
20:17:40	<i>Pipistrellus pipistrellus</i>	18
20:17:40	<i>Social</i>	1
20:17:53	<i>Pipistrellus pipistrellus</i>	12
20:17:53	<i>Social</i>	4
20:18:03	<i>Pipistrellus pipistrellus</i>	4
20:18:03	<i>Social</i>	1
20:18:06	<i>Pipistrellus pipistrellus</i>	4
20:18:12	<i>Pipistrellus pipistrellus</i>	16
20:18:12	<i>Social</i>	3
20:18:22	<i>Pipistrellus pipistrellus</i>	8
20:18:22	<i>Social</i>	1
20:18:25	<i>Pipistrellus pipistrellus</i>	3
20:18:31	<i>Pipistrellus pipistrellus</i>	11
20:18:31	<i>Social</i>	3
20:18:31	<i>Pipistrellus pipistrellus</i>	1
20:18:40	<i>Pipistrellus pipistrellus</i>	8

20:18:40	<i>Social</i>	1
20:18:43	<i>Pipistrellus pipistrellus</i>	5
20:18:43	<i>Social</i>	2
20:18:51	<i>Pipistrellus pipistrellus</i>	13
20:18:51	<i>Social</i>	2
20:18:54	<i>Pipistrellus pipistrellus</i>	16
20:19:06	<i>Pipistrellus pipistrellus</i>	15
20:19:06	<i>Social</i>	3
20:19:17	<i>Pipistrellus pipistrellus</i>	10
20:19:21	<i>Pipistrellus pipistrellus</i>	4
20:19:26	<i>Pipistrellus pipistrellus</i>	7
20:19:26	<i>Social</i>	1
20:19:31	<i>Pipistrellus pipistrellus</i>	14
20:19:31	<i>Social</i>	2
20:19:41	<i>Pipistrellus pipistrellus</i>	13
20:19:41	<i>Social</i>	1
20:19:45	<i>Pipistrellus pipistrellus</i>	8
20:19:50	<i>Pipistrellus pipistrellus</i>	9
20:19:50	<i>Social</i>	1
20:19:55	<i>Pipistrellus pipistrellus</i>	7
20:19:55	<i>Social</i>	1
20:19:59	<i>Pipistrellus pipistrellus</i>	20
20:19:59	<i>Social</i>	2
20:20:12	<i>Pipistrellus pipistrellus</i>	15
20:20:21	<i>Pipistrellus pipistrellus</i>	11
20:20:21	<i>Social</i>	5
20:20:25	<i>Pipistrellus pipistrellus</i>	7
20:20:25	<i>Social</i>	1
20:20:40	<i>Pipistrellus pipistrellus</i>	13
20:20:40	<i>Social</i>	2
20:20:51	<i>Pipistrellus pipistrellus</i>	17
20:20:51	<i>Social</i>	5
20:21:03	<i>Pipistrellus pipistrellus</i>	6
20:21:03	<i>Social</i>	2
20:21:08	<i>Pipistrellus pipistrellus</i>	10
20:21:08	<i>Social</i>	2
20:21:12	<i>Pipistrellus pipistrellus</i>	6
20:21:12	<i>Social</i>	1
20:21:17	<i>Pipistrellus pipistrellus</i>	18
20:21:17	<i>Social</i>	1
20:21:36	<i>Pipistrellus pipistrellus</i>	7
20:21:36	<i>Social</i>	1
20:21:40	<i>Pipistrellus pipistrellus</i>	6
20:21:40	<i>Social</i>	1
20:21:44	<i>Pipistrellus pipistrellus</i>	22

20:21:44	<i>Social</i>	2
20:21:59	<i>Pipistrellus pipistrellus</i>	9
20:21:59	<i>Social</i>	1
20:22:07	<i>Pipistrellus pipistrellus</i>	11
20:22:07	<i>Social</i>	3
20:22:12	<i>Pipistrellus pipistrellus</i>	9
20:22:16	<i>Pipistrellus pipistrellus</i>	15
20:22:32	<i>Social</i>	1
20:22:32	<i>Pipistrellus pipistrellus</i>	1
20:22:34	<i>Pipistrellus pipistrellus</i>	5
20:22:34	<i>Social</i>	3
20:22:41	<i>Pipistrellus pipistrellus</i>	6
20:22:41	<i>Social</i>	2
20:22:45	<i>Pipistrellus pipistrellus</i>	6
20:22:45	<i>Social</i>	1
20:22:50	<i>Pipistrellus pipistrellus</i>	9
20:22:50	<i>Social</i>	2
20:22:54	<i>Pipistrellus pipistrellus</i>	8
20:23:08	<i>Pipistrellus pipistrellus</i>	17
20:23:08	<i>Social</i>	5
20:23:17	<i>Pipistrellus pipistrellus</i>	7
20:23:17	<i>Social</i>	2
20:23:20	<i>Pipistrellus pipistrellus</i>	16
20:23:34	<i>Pipistrellus pipistrellus</i>	13
20:23:34	<i>Social</i>	2
20:23:41	<i>Pipistrellus pipistrellus</i>	5
20:23:41	<i>Social</i>	1
20:23:44	<i>Pipistrellus pipistrellus</i>	4
20:23:44	<i>Social</i>	2
20:23:51	<i>Pipistrellus pipistrellus</i>	10
20:23:51	<i>Social</i>	2
20:24:10	<i>Pipistrellus pipistrellus</i>	12
20:24:10	<i>Social</i>	2
20:24:20	<i>Pipistrellus pipistrellus</i>	4
20:24:20	<i>Social</i>	1
20:24:22	<i>Pipistrellus pipistrellus</i>	11
20:24:31	<i>Pipistrellus pipistrellus</i>	12
20:24:31	<i>Social</i>	2
20:24:44	<i>Pipistrellus pipistrellus</i>	8
20:24:44	<i>Social</i>	3
20:24:47	<i>Pipistrellus pipistrellus</i>	9
20:24:53	<i>Pipistrellus pipistrellus</i>	9
20:24:56	<i>Pipistrellus pipistrellus</i>	4
20:25:03	<i>Pipistrellus pipistrellus</i>	5
20:25:03	<i>Social</i>	1

20:25:06	<i>Pipistrellus pipistrellus</i>	4
20:25:13	<i>Pipistrellus pipistrellus</i>	7
20:25:13	<i>Social</i>	2
20:25:23	<i>Pipistrellus pipistrellus</i>	8
20:25:23	<i>Social</i>	1
20:25:37	<i>Pipistrellus pipistrellus</i>	4
20:25:42	<i>Pipistrellus pipistrellus</i>	8
20:25:42	<i>Social</i>	1
20:25:48	<i>Pipistrellus pipistrellus</i>	6
20:25:52	<i>Pipistrellus pipistrellus</i>	7
20:25:55	<i>Pipistrellus pipistrellus</i>	5
20:25:57	<i>Pipistrellus pipistrellus</i>	29
20:25:57	<i>Social</i>	1
20:25:57	<i>Pipistrellus pipistrellus</i>	1
20:26:13	<i>Pipistrellus pipistrellus</i>	12
20:26:13	<i>Social</i>	1
20:26:21	<i>Pipistrellus pipistrellus</i>	4
20:26:21	<i>Social</i>	2
20:26:24	<i>Pipistrellus pipistrellus</i>	14
20:26:24	<i>Social</i>	2
20:26:40	<i>Pipistrellus pipistrellus</i>	12
20:26:40	<i>Social</i>	1
20:26:51	<i>Pipistrellus pipistrellus</i>	9
20:26:51	<i>Social</i>	1
20:26:54	<i>Pipistrellus pipistrellus</i>	7
20:27:01	<i>Pipistrellus pipistrellus</i>	6
20:27:05	<i>Pipistrellus pipistrellus</i>	15
20:27:05	<i>Social</i>	3
20:27:14	<i>Pipistrellus pipistrellus</i>	16
20:27:14	<i>Social</i>	4
20:27:27	<i>Pipistrellus pipistrellus</i>	12
20:27:27	<i>Social</i>	1
20:27:41	<i>Pipistrellus pipistrellus</i>	7
20:27:41	<i>Social</i>	5
20:27:46	<i>Social</i>	2
20:27:48	<i>Pipistrellus pipistrellus</i>	15
20:27:48	<i>Social</i>	3
20:28:01	<i>Pipistrellus pipistrellus</i>	5
20:28:04	<i>Pipistrellus pipistrellus</i>	3
20:28:18	<i>Pipistrellus pipistrellus</i>	5
20:28:21	<i>Pipistrellus pipistrellus</i>	5
20:28:21	<i>Social</i>	1
20:28:26	<i>Pipistrellus pipistrellus</i>	7
20:28:26	<i>Social</i>	2
20:28:29	<i>Pipistrellus pipistrellus</i>	6

20:28:45	<i>Pipistrellus pipistrellus</i>	7
20:29:04	<i>Pipistrellus pipistrellus</i>	0
20:29:12	<i>Pipistrellus pygmaeus</i>	11
20:29:12	<i>Pipistrellus pipistrellus</i>	5
20:30:20	<i>Social</i>	3
20:30:20	<i>Pipistrellus pipistrellus</i>	2
20:30:32	<i>Pipistrellus pipistrellus</i>	4
20:30:39	<i>Pipistrellus pipistrellus</i>	7
20:30:39	<i>Social</i>	4
20:30:48	<i>Pipistrellus pipistrellus</i>	5
20:30:55	<i>Pipistrellus pipistrellus</i>	7
20:30:58	<i>Pipistrellus pipistrellus</i>	1
20:31:00	<i>Pipistrellus pipistrellus</i>	9
20:31:00	<i>Social</i>	4
20:31:10	<i>Pipistrellus pipistrellus</i>	11
20:31:10	<i>Social</i>	1
20:31:22	<i>Pipistrellus pipistrellus</i>	11
20:31:38	<i>Pipistrellus pipistrellus</i>	13
20:31:38	<i>Social</i>	4
20:31:48	<i>Pipistrellus pipistrellus</i>	6
20:31:48	<i>Social</i>	3
20:31:48	<i>Social</i>	2
20:32:04	<i>Pipistrellus pipistrellus</i>	5
20:32:04	<i>Social</i>	1
20:32:07	<i>Pipistrellus pipistrellus</i>	3
20:32:07	<i>Social</i>	1
20:32:13	<i>Pipistrellus pipistrellus</i>	8
20:32:13	<i>Social</i>	3
20:32:16	<i>Pipistrellus pipistrellus</i>	6
20:32:16	<i>Social</i>	2
20:32:22	<i>Pipistrellus pipistrellus</i>	4
20:32:22	<i>Social</i>	2
20:32:27	<i>Pipistrellus pipistrellus</i>	11
20:32:27	<i>Social</i>	3
20:32:37	<i>Pipistrellus pipistrellus</i>	3
20:32:43	<i>Pipistrellus pipistrellus</i>	4
20:32:59	<i>Pipistrellus pipistrellus</i>	14
20:32:59	<i>Social</i>	4
20:33:10	<i>Social</i>	2
20:33:10	<i>Pipistrellus pipistrellus</i>	1
20:33:14	<i>Pipistrellus pipistrellus</i>	3
20:33:27	<i>Pipistrellus pipistrellus</i>	7
20:33:27	<i>Social</i>	1
20:33:30	<i>Pipistrellus pipistrellus</i>	4
20:33:30	<i>Social</i>	3

20:33:44	<i>Pipistrellus pipistrellus</i>	23
20:33:44	<i>Social</i>	5
20:34:00	<i>Pipistrellus pipistrellus</i>	3
20:34:07	<i>Pipistrellus pipistrellus</i>	11
20:34:26	<i>Pipistrellus pipistrellus</i>	6
20:34:26	<i>Social</i>	2
20:34:29	<i>Pipistrellus pipistrellus</i>	13
20:34:29	<i>Social</i>	4
20:34:38	<i>Pipistrellus pipistrellus</i>	9
20:34:46	<i>Pipistrellus pipistrellus</i>	2
20:35:16	<i>Pipistrellus pygmaeus</i>	4
20:37:03	<i>Pipistrellus pipistrellus</i>	20
20:38:20	<i>Pipistrellus pipistrellus</i>	9
20:38:26	<i>Pipistrellus pipistrellus</i>	14
20:42:39	<i>Pipistrellus pipistrellus</i>	16
20:42:39	<i>Social</i>	3
20:42:49	<i>Pipistrellus pipistrellus</i>	12
20:42:49	<i>Social</i>	3
20:43:07	<i>Pipistrellus pipistrellus</i>	5
20:43:07	<i>Social</i>	1
20:43:15	<i>Pipistrellus pipistrellus</i>	1
20:43:23	<i>Pipistrellus pipistrellus</i>	6
20:43:23	<i>Social</i>	3
20:43:33	<i>Pipistrellus pipistrellus</i>	3
20:43:40	<i>Pipistrellus pipistrellus</i>	13
20:43:40	<i>Social</i>	6
20:43:54	<i>Pipistrellus pipistrellus</i>	10
20:43:54	<i>Social</i>	5
20:44:00	<i>Pipistrellus pipistrellus</i>	16
20:44:00	<i>Social</i>	2
20:44:07	<i>Pipistrellus pipistrellus</i>	9
20:44:07	<i>Social</i>	4
20:44:14	<i>Pipistrellus pipistrellus</i>	25
20:44:14	<i>Social</i>	4
20:44:34	<i>Pipistrellus pipistrellus</i>	19
20:44:34	<i>Social</i>	6
20:44:47	<i>Pipistrellus pipistrellus</i>	16
20:44:47	<i>Social</i>	3
20:45:14	<i>Pipistrellus pipistrellus</i>	14
20:45:14	<i>Social</i>	3

16th September 2024 – SW at Location 2 (Batlogger M)

Time	Species	Number of calls [#]
19:19:43	<i>Nyctalus noctula</i>	2
19:23:52	<i>Pipistrellus pipistrellus</i>	12

19:27:28	<i>Nyctalus noctula</i>	1
19:27:36	<i>Nyctalus noctula</i>	10
19:28:19	<i>Pipistrellus pipistrellus</i>	14
19:28:32	<i>Pipistrellus pipistrellus</i>	8
19:28:52	<i>Pipistrellus pipistrellus</i>	2
19:29:03	<i>Pipistrellus pygmaeus</i>	4
19:29:11	<i>Pipistrellus pipistrellus</i>	8
19:30:43	<i>Pipistrellus pygmaeus</i>	8
19:31:01	<i>Pipistrellus pygmaeus</i>	4
19:31:26	<i>Pipistrellus pygmaeus</i>	5
19:31:33	<i>Pipistrellus pygmaeus</i>	2
19:31:44	<i>Pipistrellus pipistrellus</i>	6
19:31:47	<i>Pipistrellus pipistrellus</i>	1
19:32:13	<i>Pipistrellus pygmaeus</i>	9
19:34:30	<i>Pipistrellus pygmaeus</i>	1
19:34:59	<i>Pipistrellus pygmaeus</i>	1
19:35:23	<i>Pipistrellus pygmaeus</i>	15
19:35:31	<i>Pipistrellus pygmaeus</i>	3
19:35:44	<i>Pipistrellus pipistrellus</i>	3
19:35:58	<i>Pipistrellus pygmaeus</i>	6
19:36:07	<i>Pipistrellus pipistrellus</i>	16
19:36:16	<i>Pipistrellus pipistrellus</i>	35
19:36:31	<i>Pipistrellus pipistrellus</i>	22
19:36:31	<i>Pipistrellus pygmaeus</i>	1
19:36:49	<i>Pipistrellus pipistrellus</i>	3
19:36:49	<i>Pipistrellus pygmaeus</i>	1
19:37:09	<i>Pipistrellus pygmaeus</i>	12
19:37:36	<i>Pipistrellus pygmaeus</i>	0
19:37:39	<i>Pipistrellus pipistrellus</i>	3
19:37:42	<i>Pipistrellus pipistrellus</i>	11
19:38:03	<i>Pipistrellus pygmaeus</i>	5
19:38:16	<i>Pipistrellus pipistrellus</i>	16
19:38:22	<i>Pipistrellus pipistrellus</i>	7
19:38:26	<i>Pipistrellus pipistrellus</i>	3
19:38:26	<i>Pipistrellus pygmaeus</i>	2
19:38:35	<i>Pipistrellus pipistrellus</i>	7
19:40:09	<i>Pipistrellus pipistrellus</i>	3
19:40:45	<i>Pipistrellus pipistrellus</i>	13
19:40:51	<i>Pipistrellus pipistrellus</i>	0
19:40:54	<i>Pipistrellus pipistrellus</i>	7
19:41:02	<i>Pipistrellus pipistrellus</i>	6
19:41:07	<i>Pipistrellus pipistrellus</i>	3
19:41:10	<i>Pipistrellus pipistrellus</i>	5
19:41:13	<i>Pipistrellus pipistrellus</i>	5
19:41:19	<i>Pipistrellus pipistrellus</i>	11
19:41:19	<i>Pipistrellus pygmaeus</i>	1
19:41:27	<i>Pipistrellus pipistrellus</i>	12

19:41:32	<i>Pipistrellus pipistrellus</i>	3
19:41:32	<i>Pipistrellus pipistrellus</i>	1
19:41:36	<i>Pipistrellus pipistrellus</i>	6
19:41:40	<i>Pipistrellus pipistrellus</i>	3
19:41:44	<i>Pipistrellus pipistrellus</i>	4
19:41:49	<i>Pipistrellus pipistrellus</i>	1
19:41:52	<i>Pipistrellus pipistrellus</i>	1
19:41:54	<i>Pipistrellus pipistrellus</i>	0
19:41:57	<i>Pipistrellus pipistrellus</i>	7
19:42:03	<i>Pipistrellus pipistrellus</i>	6
19:42:06	<i>Pipistrellus pipistrellus</i>	6
19:42:15	<i>Pipistrellus pipistrellus</i>	2
19:42:18	<i>Pipistrellus pipistrellus</i>	2
19:42:22	<i>Pipistrellus pipistrellus</i>	2
19:42:25	<i>Pipistrellus pipistrellus</i>	6
19:42:31	<i>Pipistrellus pipistrellus</i>	4
19:42:33	<i>Pipistrellus pipistrellus</i>	2
19:42:40	<i>Pipistrellus pipistrellus</i>	1
19:42:46	<i>Pipistrellus pipistrellus</i>	6
19:42:51	<i>Pipistrellus pipistrellus</i>	6
19:42:55	<i>Pipistrellus pipistrellus</i>	2
19:42:59	<i>Pipistrellus pipistrellus</i>	1
19:43:08	<i>Pipistrellus pipistrellus</i>	8
19:43:14	<i>Pipistrellus pipistrellus</i>	4
19:43:14	<i>Pipistrellus pygmaeus</i>	1
19:43:19	<i>Pipistrellus pipistrellus</i>	7
19:43:19	<i>Pipistrellus pipistrellus</i>	1
19:43:30	<i>Pipistrellus pipistrellus</i>	0
19:43:34	<i>Pipistrellus pipistrellus</i>	4
19:43:37	<i>Pipistrellus pipistrellus</i>	2
19:43:43	<i>Pipistrellus pipistrellus</i>	5
19:43:48	<i>Pipistrellus pipistrellus</i>	2
19:43:53	<i>Pipistrellus pipistrellus</i>	2
19:43:56	<i>Pipistrellus pipistrellus</i>	8
19:43:59	<i>Pipistrellus pipistrellus</i>	3
19:44:02	<i>Pipistrellus pipistrellus</i>	5
19:44:05	<i>Pipistrellus pipistrellus</i>	5
19:44:08	<i>Pipistrellus pipistrellus</i>	6
19:44:11	<i>Pipistrellus pipistrellus</i>	3
19:44:13	<i>Pipistrellus pipistrellus</i>	2
19:44:17	<i>Pipistrellus pipistrellus</i>	1
19:44:20	<i>Pipistrellus pipistrellus</i>	2
19:44:23	<i>Pipistrellus pipistrellus</i>	5
19:44:26	<i>Pipistrellus pipistrellus</i>	5
19:44:29	<i>Pipistrellus pipistrellus</i>	2
19:44:29	<i>Pipistrellus pipistrellus</i>	1
19:44:32	<i>Pipistrellus pipistrellus</i>	5

19:44:35	<i>Pipistrellus pipistrellus</i>	7
19:44:35	<i>Pipistrellus pygmaeus</i>	1
19:44:40	<i>Pipistrellus pipistrellus</i>	5
19:44:43	<i>Pipistrellus pipistrellus</i>	1
19:44:46	<i>Pipistrellus pipistrellus</i>	9
19:44:51	<i>Pipistrellus pipistrellus</i>	6
19:44:55	<i>Pipistrellus pipistrellus</i>	1
19:44:58	<i>Pipistrellus pipistrellus</i>	6
19:45:02	<i>Pipistrellus pipistrellus</i>	1
19:45:05	<i>Pipistrellus pipistrellus</i>	4
19:45:07	<i>Pipistrellus pipistrellus</i>	25
19:45:18	<i>Pipistrellus pipistrellus</i>	4
19:45:22	<i>Pipistrellus pipistrellus</i>	3
19:45:27	<i>Pipistrellus pipistrellus</i>	2
19:45:30	<i>Pipistrellus pipistrellus</i>	3
19:45:33	<i>Pipistrellus pipistrellus</i>	1
19:45:36	<i>Pipistrellus pygmaeus</i>	2
19:45:36	<i>Pipistrellus pipistrellus</i>	1
19:45:41	<i>Pipistrellus pipistrellus</i>	2
19:45:48	<i>Pipistrellus pipistrellus</i>	2
19:45:51	<i>Pipistrellus pipistrellus</i>	3
19:45:58	<i>Pipistrellus pipistrellus</i>	1
19:46:01	<i>Pipistrellus pipistrellus</i>	1
19:46:05	<i>Pipistrellus pipistrellus</i>	29
19:46:18	<i>Pipistrellus pipistrellus</i>	3
19:46:23	<i>Pipistrellus pipistrellus</i>	6
19:46:29	<i>Pipistrellus pipistrellus</i>	1
19:46:34	<i>Pipistrellus pipistrellus</i>	5
19:46:39	<i>Pipistrellus pipistrellus</i>	3
19:46:43	<i>Pipistrellus pipistrellus</i>	1
19:46:45	<i>Pipistrellus pipistrellus</i>	4
19:47:00	<i>Pipistrellus pipistrellus</i>	2
19:47:04	<i>Pipistrellus pipistrellus</i>	3
19:47:12	<i>Pipistrellus pipistrellus</i>	7
19:47:17	<i>Pipistrellus pipistrellus</i>	2
19:47:25	<i>Pipistrellus pipistrellus</i>	6
19:47:32	<i>Pipistrellus pipistrellus</i>	6
19:47:37	<i>Pipistrellus pipistrellus</i>	3
19:47:39	<i>Pipistrellus pipistrellus</i>	4
19:47:43	<i>Pipistrellus pipistrellus</i>	13
19:47:50	<i>Pipistrellus pipistrellus</i>	16
19:47:59	<i>Pipistrellus pipistrellus</i>	8
19:48:03	<i>Pipistrellus pipistrellus</i>	2
19:48:03	<i>Pipistrellus pygmaeus</i>	1
19:48:06	<i>Pipistrellus pipistrellus</i>	4
19:48:10	<i>Pipistrellus pipistrellus</i>	7
19:48:14	<i>Pipistrellus pipistrellus</i>	2

19:48:18	<i>Pipistrellus pipistrellus</i>	3
19:48:20	<i>Pipistrellus pipistrellus</i>	8
19:48:26	<i>Pipistrellus pipistrellus</i>	6
19:48:26	<i>Pipistrellus pygmaeus</i>	1
19:48:31	<i>Pipistrellus pipistrellus</i>	3
19:48:35	<i>Pipistrellus pipistrellus</i>	2
19:48:37	<i>Pipistrellus pipistrellus</i>	1
19:48:41	<i>Pipistrellus pipistrellus</i>	61
19:48:59	<i>Pipistrellus pipistrellus</i>	11
19:49:06	<i>Pipistrellus pipistrellus</i>	18
19:49:15	<i>Pipistrellus pipistrellus</i>	14
19:49:24	<i>Pipistrellus pipistrellus</i>	6
19:49:28	<i>Pipistrellus pipistrellus</i>	1
19:49:36	<i>Pipistrellus pipistrellus</i>	8
19:49:40	<i>Pipistrellus pipistrellus</i>	3
19:49:44	<i>Pipistrellus pipistrellus</i>	1
19:49:46	<i>Pipistrellus pipistrellus</i>	5
19:49:51	<i>Pipistrellus pipistrellus</i>	5
19:49:54	<i>Pipistrellus pipistrellus</i>	1
19:49:57	<i>Pipistrellus pipistrellus</i>	3
19:49:59	<i>Pipistrellus pygmaeus</i>	3
19:50:04	<i>Pipistrellus pipistrellus</i>	2
19:50:08	<i>Pipistrellus pipistrellus</i>	6
19:50:08	<i>Pipistrellus pygmaeus</i>	1
19:50:13	<i>Pipistrellus pipistrellus</i>	7
19:50:19	<i>Pipistrellus pipistrellus</i>	7
19:50:23	<i>Pipistrellus pipistrellus</i>	12
19:50:31	<i>Pipistrellus pipistrellus</i>	18
19:50:39	<i>Pipistrellus pipistrellus</i>	9
19:50:48	<i>Pipistrellus pipistrellus</i>	1
19:51:21	<i>Pipistrellus pipistrellus</i>	20
19:51:29	<i>Pipistrellus pipistrellus</i>	5
19:51:57	<i>Pipistrellus pipistrellus</i>	5
19:52:07	<i>Pipistrellus pipistrellus</i>	6
19:52:14	<i>Pipistrellus pipistrellus</i>	10
19:52:23	<i>Pipistrellus pipistrellus</i>	5
19:52:40	<i>Pipistrellus pipistrellus</i>	7
19:52:44	<i>Pipistrellus pipistrellus</i>	4
19:52:56	<i>Pipistrellus pipistrellus</i>	9
19:53:02	<i>Pipistrellus pipistrellus</i>	11
19:53:09	<i>Pipistrellus pygmaeus</i>	1
19:53:12	<i>Pipistrellus pipistrellus</i>	1
19:53:17	<i>Pipistrellus pipistrellus</i>	6
19:53:24	<i>Pipistrellus pipistrellus</i>	1
19:53:30	<i>Pipistrellus pipistrellus</i>	7
19:54:44	<i>Pipistrellus pipistrellus</i>	11
19:54:54	<i>Pipistrellus pipistrellus</i>	1

19:54:56	<i>Pipistrellus pipistrellus</i>	16
19:54:56	<i>Pipistrellus pygmaeus</i>	1
19:55:03	<i>Pipistrellus pipistrellus</i>	13
19:55:18	<i>Pipistrellus pipistrellus</i>	29
19:55:26	<i>Pipistrellus pipistrellus</i>	1
19:55:31	<i>Pipistrellus pipistrellus</i>	15
19:55:39	<i>Pipistrellus pipistrellus</i>	19
19:55:47	<i>Pipistrellus pipistrellus</i>	9
19:55:54	<i>Pipistrellus pipistrellus</i>	5
19:55:57	<i>Pipistrellus pipistrellus</i>	14
19:56:08	<i>Pipistrellus pipistrellus</i>	0
19:56:10	<i>Pipistrellus pipistrellus</i>	24
19:56:16	<i>Pipistrellus pipistrellus</i>	11
19:56:16	<i>Pipistrellus pipistrellus</i>	1
19:56:22	<i>Pipistrellus pipistrellus</i>	24
19:56:33	<i>Pipistrellus pipistrellus</i>	4
19:56:44	<i>Pipistrellus pipistrellus</i>	17
19:56:51	<i>Pipistrellus pipistrellus</i>	11
19:56:58	<i>Pipistrellus pipistrellus</i>	17
19:57:08	<i>Pipistrellus pipistrellus</i>	13
19:57:17	<i>Pipistrellus pipistrellus</i>	25
19:57:32	<i>Pipistrellus pipistrellus</i>	15
19:57:39	<i>Pipistrellus pipistrellus</i>	10
19:57:46	<i>Pipistrellus pipistrellus</i>	21
19:57:59	<i>Pipistrellus pipistrellus</i>	3
19:58:02	<i>Pipistrellus pipistrellus</i>	12
19:58:11	<i>Pipistrellus pipistrellus</i>	23
19:58:23	<i>Pipistrellus pipistrellus</i>	7
19:58:34	<i>Pipistrellus pipistrellus</i>	23
19:58:42	<i>Pipistrellus pipistrellus</i>	15
19:58:51	<i>Pipistrellus pipistrellus</i>	41
19:59:06	<i>Pipistrellus pipistrellus</i>	10
19:59:13	<i>Pipistrellus pipistrellus</i>	16
19:59:20	<i>Pipistrellus pipistrellus</i>	4
19:59:26	<i>Pipistrellus pipistrellus</i>	20
19:59:35	<i>Pipistrellus pipistrellus</i>	12
19:59:42	<i>Pipistrellus pipistrellus</i>	14
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20:05:52	<i>Pipistrellus pipistrellus</i>	11
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20:12:08	<i>Pipistrellus pipistrellus</i>	15
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20:12:28	<i>Pipistrellus pipistrellus</i>	10
20:12:32	<i>Pipistrellus pipistrellus</i>	5
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20:13:20	<i>Pipistrellus pipistrellus</i>	12
20:13:34	<i>Pipistrellus pipistrellus</i>	13
20:13:44	<i>Pipistrellus pipistrellus</i>	13
20:13:52	<i>Pipistrellus pipistrellus</i>	8
20:13:55	<i>Pipistrellus pipistrellus</i>	5
20:13:55	<i>Pipistrellus pygmaeus</i>	1

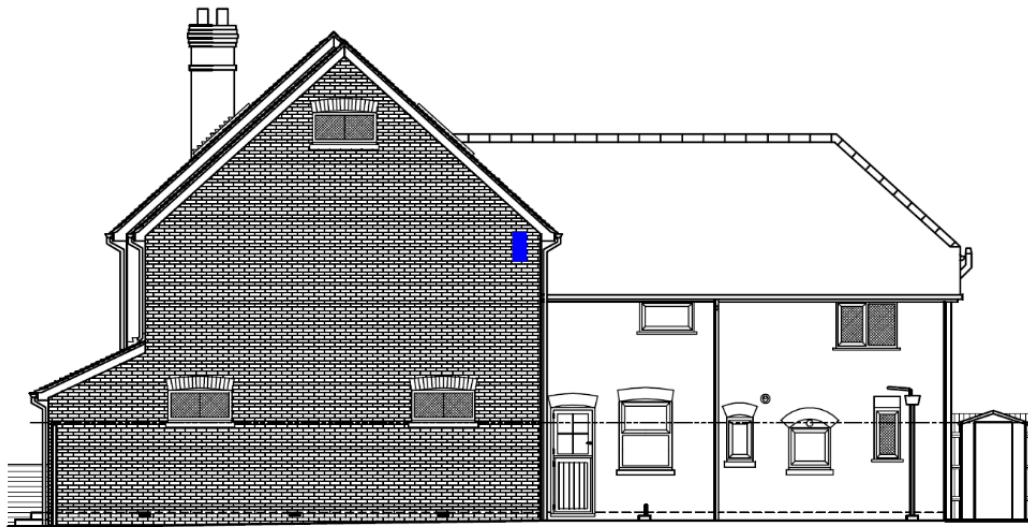
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20:14:20	<i>Pipistrellus pipistrellus</i>	9
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20:15:27	<i>Pipistrellus pipistrellus</i>	4
20:15:29	<i>Pipistrellus pipistrellus</i>	9
20:15:38	<i>Pipistrellus pipistrellus</i>	5
20:15:38	<i>Social</i>	1
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20:15:46	<i>Pipistrellus pipistrellus</i>	14
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20:16:06	<i>Pipistrellus pipistrellus</i>	18
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20:16:23	<i>Pipistrellus pipistrellus</i>	16
20:16:32	<i>Pipistrellus pipistrellus</i>	16
20:16:47	<i>Pipistrellus pipistrellus</i>	6
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20:19:55	<i>Pipistrellus pipistrellus</i>	12
20:20:03	<i>Pipistrellus pipistrellus</i>	5
20:20:12	<i>Pipistrellus pipistrellus</i>	9

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20:20:26	<i>Pipistrellus pipistrellus</i>	17
20:20:36	<i>Pipistrellus pipistrellus</i>	6
20:20:43	<i>Pipistrellus pipistrellus</i>	2
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20:20:50	<i>Social</i>	1
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20:21:13	<i>Pipistrellus pipistrellus</i>	19
20:21:22	<i>Pipistrellus pipistrellus</i>	14
20:21:33	<i>Pipistrellus pipistrellus</i>	12
20:21:40	<i>Pipistrellus pipistrellus</i>	12
20:21:49	<i>Pipistrellus pipistrellus</i>	11
20:22:02	<i>Pipistrellus pipistrellus</i>	17
20:22:12	<i>Pipistrellus pipistrellus</i>	9
20:22:21	<i>Pipistrellus pipistrellus</i>	11
20:22:36	<i>Pipistrellus pipistrellus</i>	18
20:22:45	<i>Pipistrellus pipistrellus</i>	15
20:22:55	<i>Pipistrellus pipistrellus</i>	15
20:23:05	<i>Pipistrellus pipistrellus</i>	15
20:23:12	<i>Pipistrellus pipistrellus</i>	13
20:23:21	<i>Pipistrellus pipistrellus</i>	20
20:23:30	<i>Pipistrellus pipistrellus</i>	11
20:23:30	<i>Social</i>	1
20:23:37	<i>Pipistrellus pipistrellus</i>	9
20:23:45	<i>Pipistrellus pipistrellus</i>	16
20:23:54	<i>Pipistrellus pipistrellus</i>	9
20:24:15	<i>Pipistrellus pipistrellus</i>	11
20:24:31	<i>Pipistrellus pipistrellus</i>	5
20:24:43	<i>Pipistrellus pipistrellus</i>	4
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20:25:27	<i>Pipistrellus pipistrellus</i>	12
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20:26:03	<i>Pipistrellus pipistrellus</i>	10
20:26:16	<i>Pipistrellus pipistrellus</i>	11
20:26:25	<i>Pipistrellus pipistrellus</i>	4
20:26:25	<i>Social</i>	1
20:26:27	<i>Pipistrellus pipistrellus</i>	11
20:26:37	<i>Pipistrellus pipistrellus</i>	10
20:26:44	<i>Pipistrellus pipistrellus</i>	18
20:26:56	<i>Pipistrellus pipistrellus</i>	16
20:27:04	<i>Pipistrellus pipistrellus</i>	1
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20:27:20	<i>Pipistrellus pipistrellus</i>	17
20:27:31	<i>Pipistrellus pipistrellus</i>	11
20:27:44	<i>Pipistrellus pipistrellus</i>	15
20:27:52	<i>Pipistrellus pipistrellus</i>	22
20:28:06	<i>Pipistrellus pipistrellus</i>	11
20:28:12	<i>Pipistrellus pipistrellus</i>	24
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20:28:30	<i>Pipistrellus pipistrellus</i>	12
20:28:41	<i>Pipistrellus pipistrellus</i>	4
20:28:49	<i>Pipistrellus pipistrellus</i>	24
20:28:58	<i>Pipistrellus pipistrellus</i>	16
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20:29:17	<i>Pipistrellus pipistrellus</i>	22
20:29:29	<i>Pipistrellus pipistrellus</i>	22
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20:30:34	<i>Pipistrellus pipistrellus</i>	4
20:30:38	<i>Pipistrellus pipistrellus</i>	7
20:30:43	<i>Pipistrellus pipistrellus</i>	5
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20:32:16	<i>Pipistrellus pipistrellus</i>	2
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20:32:23	<i>Pipistrellus pipistrellus</i>	14
20:32:23	<i>Social</i>	1
20:32:30	<i>Pipistrellus pipistrellus</i>	13
20:32:42	<i>Pipistrellus pipistrellus</i>	10
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20:32:58	<i>Pipistrellus pipistrellus</i>	14
20:33:05	<i>Pipistrellus pipistrellus</i>	10
20:33:11	<i>Pipistrellus pipistrellus</i>	2
20:33:15	<i>Pipistrellus pipistrellus</i>	12
20:33:27	<i>Pipistrellus pipistrellus</i>	7

20:33:27	<i>Social</i>	1
20:33:31	<i>Pipistrellus pipistrellus</i>	9
20:33:41	<i>Pipistrellus pipistrellus</i>	13
20:33:49	<i>Pipistrellus pipistrellus</i>	3
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20:44:36	<i>Pipistrellus pipistrellus</i>	12
20:44:42	<i>Pipistrellus pipistrellus</i>	13
20:44:52	<i>Pipistrellus pipistrellus</i>	17

APPENDIX 4 – BAT ROOST PROVISION



SIDE ELEVATION

 Integrated bat box

Drawn by: VP	Plan by: Plan ahead drawing services	Date: October 2024	Scale: Not to scale	49 Hyde End Road, Shinfield Bat Roost Provision	
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