

**Damsonwell
Barn Farm
Wokingham Road
Hurst
RG10 0RX**

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 Francesca Parsons to undertake a Bat Emergence Survey at Damsonwell, Barn Farm in Hurst, Berkshire. The survey was commissioned to accompany a householder planning application to be submitted to Wokingham Borough Council seeking consent for erection of a single-storey front extension, two-storey side rear extension to include a Juliet balcony, and the demolition of the existing front porch and two onsite outbuildings.
- 1.1.2** The Bat Emergence Survey follows a Preliminary Roost Assessment (PRA) conducted by John Wenman Ecological Consultancy in February 2026. During the PRA, no evidence of bats or bat activity was identified in the loft space of the house (B1) or internal space of the outbuilding (B2). However, the main house (B1) had several potential bat roosting features suitable for crevice-dwelling bat species comprising gaps in the hip and ridge mortar, gaps between the lead flashing of the existing rear extension and brickwork of the house, gaps between the timber soffit and brickwork of the rear extension, and gaps within the timber soffit of the existing rear extension. The outbuilding (B2) also had potential roost features associated with the lifted, damaged and missing roof tiles, and behind the cladding along the gables. Furthermore, the observation of one pipistrelle (*Pipistrellus* sp.) bat roosting in the gap between the timber fascia and timber cladding of B2 in February, confirms that B2 is in current use as a non-classic hibernation roost, and potentially a transitional roost by an individual or small number of non-breeding pipistrelle (*Pipistrellus* sp.) bats.
- 1.1.3** Overall, B1 and B2 have been assigned moderate potential suitability for bats with a confirmed roost for at least one bat species within B2, whilst the northern outbuilding (B3) has been assigned negligible potential suitability.
- 1.1.4** In line with good practice guidelines (Collins 2023), two emergence surveys of the main house (B1) were undertaken and these were completed on the 1st and 23rd July 2026, and emergence surveys of the outbuilding (B2) were undertaken on the 16th April and 1st July 2026. A peak count of four common pipistrelle bats were observed emerging from a one location on the south-western elevation of the main house (B1) and a peak count of two common pipistrelle bats were observed emerging from two locations on the eastern and southern elevations of the outbuilding (B2).
- 1.1.5** The development proposals will directly lead to the permanent destruction of hibernation, transitional and day roosts for common pipistrelle (*P.pipistrellus*) within the

outbuilding (B2). Therefore, a European Protected Species Mitigation Licence (EPSML) will be obtained. Under licence, mitigation measures to be employed will comprise a tool box talk and a careful 'soft-strip' hand removal of materials undertaken outside of the winter hibernation season (mid-November to February). Compensation for the lost bat roosts within the outbuilding (B2) will be carried out through the provision of one hibernation bat box on the main house (B1) and one hibernation bat box on the remaining garage to the south of the house (B1).

- 1.1.6** This report contains information regarding a mobile species so it will likely be valid for up to 12 months only (CIEEM 2019b).

2 INTRODUCTION

2.1 Project Background

2.1.1 John Wenman Ecological Consultancy LLP was instructed by Francesca Parsons to undertake a Bat Emergence Survey at Damsonwell, Barn Farm in Hurst, Berkshire. The survey was commissioned to accompany a householder planning application to be submitted to Wokingham Borough Council seeking consent for erection of a single-storey front extension, two-storey side rear extension to include a Juliet balcony, and the demolition of the existing front porch and two onsite outbuildings.

2.1.2 The Bat Emergence Survey follows a Preliminary Roost Assessment for bats (PRA) conducted by John Wenman Ecological Consultancy in February 2026. The PRA report states the following:

*'The main property (B1) had several potential roost features which were considered to provide conditions suitable for use by small crevice-dwelling bat species, such as the locally recorded common pipistrelle (*Pipistrellus pipistrellus*) and soprano pipistrelle (*Pipistrellus pygmaeus*). These potential roost sites included gaps in the hip and ridge mortar, gaps between the lead flashing of the existing rear extension and brickwork of the house, gaps between the timber soffit and brickwork of the rear extension, and gaps within the timber soffit of the existing rear extension. The outbuilding (B2) to the south of B1 also had a number of potential roost features associated with the lifted, damaged and missing roof tiles, and behind the cladding along the gables. The observation of one pipistrelle (*Pipistrellus* sp.) bat roosting in the gap between the timber fascia and timber cladding of B2 in February confirms that B2 is in current use as a non-classic hibernation roost and potentially a transitional roost by an individual or small number of non-breeding pipistrelle (*Pipistrellus* sp.) bats.*

B1 and B2 have been assigned moderate potential suitability for bats with a confirmed roost for at least one bat species within B2, whilst the northern outbuilding (B3) has been assigned negligible potential suitability.'

The PRA report recommends the following:

2.1.3 *'Two bat emergence and re-entry surveys are required during the active bat season (optimal May to August, suboptimal September) to confirm presence or likely absence of a bat roost in the building. Both of the surveys should be completed during the optimal survey period mid-May to August inclusive.'*

2.2 Site Location and Context

2.2.1 The property is located at the end of a private road to the west of Wokingham Road, situated to the south of Hurst in Berkshire (central OS Grid Reference: SU 80076 72554).

2.2.2 The property is situated within a semi-rural area with a similar neighboring property to the east and open agricultural land with hedgerows and scattered trees directly to the north, south and west. The immediate surroundings comprise open grassland and agricultural fields bordered by tree lines and hedgerows. Several large ponds are nearby, the closest of which is approximately 150 metres to the north-east. Further surroundings include a network of large lakes and Sandford Mill Site of Special Scientific Interest (SSSI) to the northwest, as well as parcels of ancient woodland.

2.3 Report Objectives

2.3.1 The aim of the BES 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 WML-CL21 (BMCL) and Bat Earned Recognition Licence (BERL) WML-CL47 schemes allow ecologists to apply to become Registered Consultants to use these licences for low conservation status roosts, i.e. roosts comprising small numbers of seven commonly occurring species i.e. day, night, transitional and feeding roosts. A site registration form must be completed as a condition of the licences 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/BERL 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 Background Data Search

- 4.1.1** The Berkshire and South Buckinghamshire Bat Group (BSBBG) was commissioned to undertake a search of their records within a 2 kilometre radius of the property.

4.2 Emergence Survey

- 4.2.1** In line with good practice guidelines (Collins 2023), two emergence surveys of the main house (B1) and outbuilding (B2) were undertaken and these were completed on the 16th April (B2), 1st July (B1 & B2), 23rd July 2026 (B1) by experienced bat surveyors: Amy Denness (2025-84271-CL20-BAT), Jake Morgan (2025-85343-CL17-BAT), Meghan Porter-Smith (2025-86253-CL17-BAT), Lauren Hayward (qualifying member of CIEEM) and Georgia Clifton-Dey. During the first survey, two surveyors covered all aspects of the outbuilding (B2), during the second survey four surveyors covered all aspects of the main house (B1) and outbuilding (B2), and during the third survey two surveyors covered all aspects of the main house (B1) – refer to emergence survey plan in **Section 5** below.
- 4.2.2** The equipment used during the survey included full-spectrum sampling bat detectors (Batlogger M2 and Echo Meter Touch 2) and infrared/thermal imaging night vision aids (Canon XA30 with infrared floodlights/torches and Pixfra ARC A613). A still shot of the darkest point of the survey has been included for all night vision aids in **Appendix 1**.
- 4.2.3** The emergence surveys started 15 minutes before sunset and continued for 1 hour and 30 minutes after sunset. Within a five-day period after the surveys, the bat call recordings were processed and analysed using the BatExplorer computer software package and the night vision video footage was reviewed in VLC media player.
- ### **4.3 Survey Limitations and Report Validity**
- 4.3.1** There were no significant constraints to the bat emergence surveys, which were undertaken during the optimal survey season for determining the presence of spring transitional and summer roosts, i.e. April to August, 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 2019b).

5 SURVEY RESULTS

5.1 Overview

- 5.1.1 The results from the Bat Group (BSBBG) data search are detailed below. The bat emergence survey findings are described, summarised in **Tables 1 – 6** and illustrated in **Figure 1 - 3** below; the raw detector data is supplied in **Appendix 2**.

5.2 Background Data Search

- 5.2.1 The data search revealed that at least eleven species have been recorded locally within the last 10 years: serotine (*Eptesicus serotinus*), Daubenton's bat (*Myotis daubentonii*), noctule (*Nyctalus noctula*), Leisler's bat (*Nyctalus leisleri*), common pipistrelle (*Pipistrellus pipistrellus*), soprano pipistrelle (*Pipistrellus pygmaeus*), Barbastelle bat (*Barbastella barbastellus*), Nathusius' pipistrelle (*Pipistrellus nathusii*), Myotis bat species (*Myotis* sp.), Natterer's bat (*Myotis nattereri*) and brown long-eared (*Plecotus auritus*).
- 5.2.2 The nearest record is from an emergence and re-entry survey undertaken in 2021 situated approximately 560m to the south-west of the property where common pipistrelle (*P. pipistrellus*), Soprano pipistrelle (*P. pygmaeus*), noctule (*Nyctalus noctula*), Daubenton's bat (*Myotis daubentonii*) and brown-long-eared bats (*Plecotus auritus*) were recorded. The next closest record includes another emergence survey conducted on a property along Lines Road in Hurst, which recorded a common pipistrelle (*P. pipistrellus*), Soprano pipistrelle (*P. pygmaeus*), noctule (*Nyctalus noctula*) and Myotis species (*Myotis* sp.) in 2023.

5.3 Emergence Survey

16th April 2026 – Outbuilding (B2)

- 5.3.1 One pipistrelle species (*Pipistrellus* sp.) - highly likely a common pipistrelle (*P. pipistrellus*) bat due to the other emergences recorded during the following emergence surveys and *P. pipistrellus* call recorded at the time of the emergence - was recorded by the surveyor at Surveyor Location 1 emerging from the outbuilding (B2) at 20:21 from beneath the ridge tiles. Furthermore, one common pipistrelle (*P. pipistrellus*) bat emergence from between the timber fascia and timber cladding located on the southern gable end of the outbuilding (B2), recorded by the surveyor at Surveyor Location 1 at 20:31.



Photograph 1. Likely common pipistrelle emergence point at 20:21 (Surveyor at Location 1).



Photograph 2. Common pipistrelle emergence point at 20:31 (Surveyor at Location 1).

Table 1. Weather conditions and survey timings

Weather	Wind (BF0-12)	Cloud cover (%)	Rain	Temperature (°C)	
	1	20	None	Start	Finish
Start	19:46	Sunset	20:01	Finish	21:31

Table 2a. Surveyor recordings at location 1 (JM)

Species	Recordings*	Emergences†	Time of first call (minutes after sunset)
Common pipistrelle (<i>Pipistrellus pipistrellus</i>)	238	2 (@20:21 (highly likely common pipistrelle) & 20:31)	20:21 (20)
Soprano pipistrelle (<i>Pipistrellus pygmaeus</i>)	10	0	20:21 (20)
Noctule (<i>Nyctalus noctule</i>)	2	0	20:24 (23)
Brown long-eared (<i>Plecotus auritus</i>)	3	0	20:52 (51)

Table 2b. Surveyor recordings at location 2 (LH)

Species	Recordings*	Emergences†	Time of first call (minutes after sunset)
Common pipistrelle (<i>Pipistrellus pipistrellus</i>)	124	0	20:21 (20)
Soprano pipistrelle (<i>Pipistrellus pygmaeus</i>)	12	0	20:21 (20)
Noctule (<i>Nyctalus noctule</i>)	5	0	20:23 (22)
Brown long-eared (<i>Plecotus auritus</i>)	3	0	20:52 (51)

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

†confirmed by direct observation and/or night vision aid.

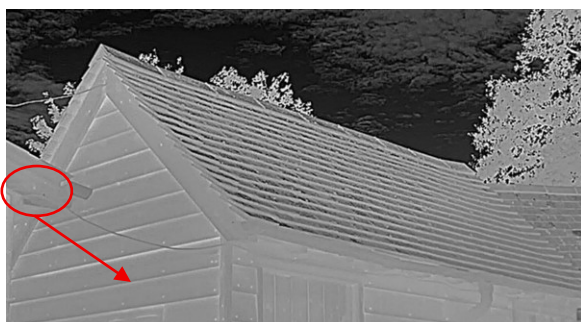
5.3.2 The first recorded bats were common pipistrelle (*P. pipistrellus*) and soprano pipistrelle (*P. pygmaeus*) detected by the surveyors at Survey Locations 1 & 2 at 20:21 (20 minutes after sunset), with a high likelihood that the emergence from the ridge tiles on

the eastern elevation of the outbuilding recorded at 20:21, was the recorded *P. pipistrellus*. The *P. pygmaeus* bat was recorded 20 minutes after sunset, which falls within its typical emergence period, indicating that it likely emerged from a roost nearby. Noctule (*N. Noctule*) bats were first recorded at 20:23 (22 minutes after sunset) by the surveyor at Surveyor Location 2 and brown long-eared (*P. auritus*) bats were first recorded at by the surveyors at Surveyor Location 1 and 2 at 20:52 (51 minutes after sunset), which falls within the typical emergence period for these species (Collins 2023), indicating they are likely to be roosting nearby

- 5.3.3** The amount of *P. pipistrellus* activity was high, with intermittent *P. pygmaeus* activity recorded throughout the survey; these species were observed commuting and foraging across all elevations of the outbuilding.

1st July 2026 – Main house (B1) and outbuilding (B2)

- 5.3.4** One common pipistrelle (*P. pipistrellus*) bat was recorded emerging from the house (B1) at 21:50 from beneath the bargeboard on the south-western elevation, recorded by the surveyor at Surveyor Location 2. No bats emerged from the detached outbuilding (B2).



Photograph 3. Common pipistrelle emergence point at 21:50 (Surveyor at Location 2).

Table 3. Weather conditions and survey timings

Weather	Wind (BF0-12)	Cloud cover (%)	Rain	Temperature (°C)	
	3 - 4	15	None	Start	Finish
Start	21:08	Sunset	21:23	Finish	22:53

Table 4a. Surveyor recordings at location 1 (MPS)

Species	Recordings*	Emergences [†]	Time of first call (minutes after sunset)
Common pipistrelle (<i>Pipistrellus pipistrellus</i>)	176	0	21:41 (18)
Soprano pipistrelle (<i>Pipistrellus pygmaeus</i>)	9	0	22:29 (66)

Nathusius' pipistrelle (<i>Pipistrellus nathusii</i>)	3	0	22:18 (55)
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Table 4b. Surveyor recordings at location 2 (LH)

Species	Recordings*	Emergences†	Time of first call (minutes after sunset)
Common pipistrelle (<i>Pipistrellus pipistrellus</i>)	37	1 (@21:50)	21:40 (17)
Soprano pipistrelle (<i>Pipistrellus pygmaeus</i>)	6	0	22:33 (70)
Nathusius' pipistrelle (<i>Pipistrellus nathusii</i>)	1	0	22:31 (68)

Table 4c. Surveyor recordings at location 3 (GCD)

Species	Recordings*	Emergences†	Time of first call (minutes after sunset)
Common pipistrelle (<i>Pipistrellus pipistrellus</i>)	20	0	22:30 (67)
Soprano pipistrelle (<i>Pipistrellus pygmaeus</i>)	3	0	22:37 (74)
Noctule (<i>Nyctalus noctule</i>)	1	0	22:43 (80)

Table 4d. Surveyor recordings at location 4 (AD)

Species	Recordings*	Emergences†	Time of first call (minutes after sunset)
Common pipistrelle (<i>Pipistrellus pipistrellus</i>)	124	0	22:04 (41)
Soprano pipistrelle (<i>Pipistrellus pygmaeus</i>)	4	0	22:27 (64)
Noctule (<i>Nyctalus noctule</i>)	3	0	21:51 (28)
Nathusius' pipistrelle (<i>Pipistrellus nathusii</i>)	2	0	22:50 (88)

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

†confirmed by direct observation and/or night vision aid.

5.3.5 The first recorded bat was a common pipistrelle (*P. pipistrellus*) bat detected by the surveyor at Survey Location 2 at 21:40 (17 minutes after sunset) emerging from the house. Noctule (*N. noctule*) bats were first recorded by the surveyor at Surveyor Location 4 at 21:51 (28 minutes after sunset), which falls within the typical emergence period for both species (Collins 2023), indicating they are roosting nearby. Nathusius' pipistrelle (*P. nathusii*) was first recorded by the surveyor at Surveyor Location 1 at 22:18 (55 minutes after sunset), which falls outside of the typical emergence period for this species (Collins 2023), indicating that is unlikely to be roosting nearby.

- 5.3.6** The amount of bat activity was generally high, consisting mostly of *P. pipistrellus* foraging activity around all elevations of the house and outbuilding and within the front and rear garden, with intermittently *P. pygmaeus* and occasional *N. noctule* and *P.nathusii* foraging passes.

23rd July 2026 – Main house (B1)

- 5.3.7** Four common pipistrelle (*P. pipistrellus*) bats were recorded emerging from the house (B1) between 21:20 and 21:27 from beneath the bargeboard on the south-western elevation of the house (B1), recorded by the surveyor at Surveyor Location 5 (refer to **Figure 2** for surveyors location).



Photograph 3. Common pipistrelle emergence point between 21:20 and 21:27 (Surveyor at Location 5).

Table 5. Weather conditions and survey timings

Weather	Wind (BF0-12)	Cloud cover (%)	Rain	Temperature (°C)	
	Start	Finish			
	2	10	None	23	20
Start	20:51	Sunset	21:06	Finish	22:36

Table 6a. Surveyor recordings at location 4 (GCD)

Species	Recordings*	Emergences [†]	Time of first call (minutes after sunset)
Common pipistrelle (<i>Pipistrellus pipistrellus</i>)	202	0	21:31 (25)
Soprano pipistrelle (<i>Pipistrellus pygmaeus</i>)	41	0	21:36 (30)
Noctule (<i>Nyctalus noctule</i>)	8	0	21:30 (24)
Serotine (<i>Eptesicus serotinus</i>)	2	0	22:05 (59)
Myotis species (<i>Myotis</i> sp.)	2	0	21:58 (52)
Brown long-eared (<i>Plecotus auritus</i>)	7	0	22:13 (67)

Table 6b. Surveyor recordings at location 5 (JM)

Species	Recordings*	Emergences†	Time of first call (minutes after sunset)
Common pipistrelle (<i>Pipistrellus pipistrellus</i>)	91	4 (@ 21:20, 21:25 & 21:27)	21:20 (14)
Soprano pipistrelle (<i>Pipistrellus pygmaeus</i>)	21	0	21:38 (32)
Noctule (<i>Nyctalus noctule</i>)	4	0	21:28 (22)
Serotine (<i>Eptesicus serotinus</i>)	1	0	22:03 (57)
Myotis species (<i>Myotis</i> sp.)	5	0	22:12 (66)
Brown long-eared (<i>Plecotus auritus</i>)	1	0	22:16 (70)
Barbastelle (<i>Barbastella barbastellus</i>)	2	0	22:17 (71)

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

†confirmed by direct observation and/or night vision aid.

5.3.8 The first recorded bat was a common pipistrelle (*P. pipistrellus*) bat detected by the surveyor at Survey Location 5 at 21:20 (14 minutes after sunset), observed emerging from beneath the bargeboard on the south-western elevation of the house (B1). Noctule (*N. noctule*) bats were first recorded by the surveyor at Surveyor Location 5 at 21:28 (22 minutes after sunset) and *P. pygmaeus* bats were first recorded by the surveyor at Surveyor Location 4 at 21:36 (30 minutes after sunset), which falls later within the typical emergence period for both species (Collins 2023), indicating they are both roosting nearby. Serotine (*Eptesicus serotinus*) bats were first recorded by the surveyor at Surveyor Location 5 at 22:03 (57 minutes after sunset) and a Myotis species (*Myotis* sp.) were first recorded by the surveyor at Surveyor at Location 4 at 21:58 (52 minutes after sunset), which falls outside of the typical emergence period for both species (Collins 2023), indicating that they are unlikely to be roosting nearby. There were two recordings of a barbastelle (*Barbastella barbastellus*) bat, recorded by the surveyor at Surveyor Location 5; the first call was recorded at 22:17 (71 minutes after sunset), which also falls outside of the typical emergence period for this species (Collins 2023), indicating it is not roosting nearby.

5.3.9 The amount of bat activity was generally high, consisting mostly of *P. pipistrellus* foraging activity across all elevations of the house and outbuilding and within the front and rear garden, with frequent *P. pygmaeus* and occasional *N. noctule*, *Myotis* sp. and *P. auritus* foraging passes.

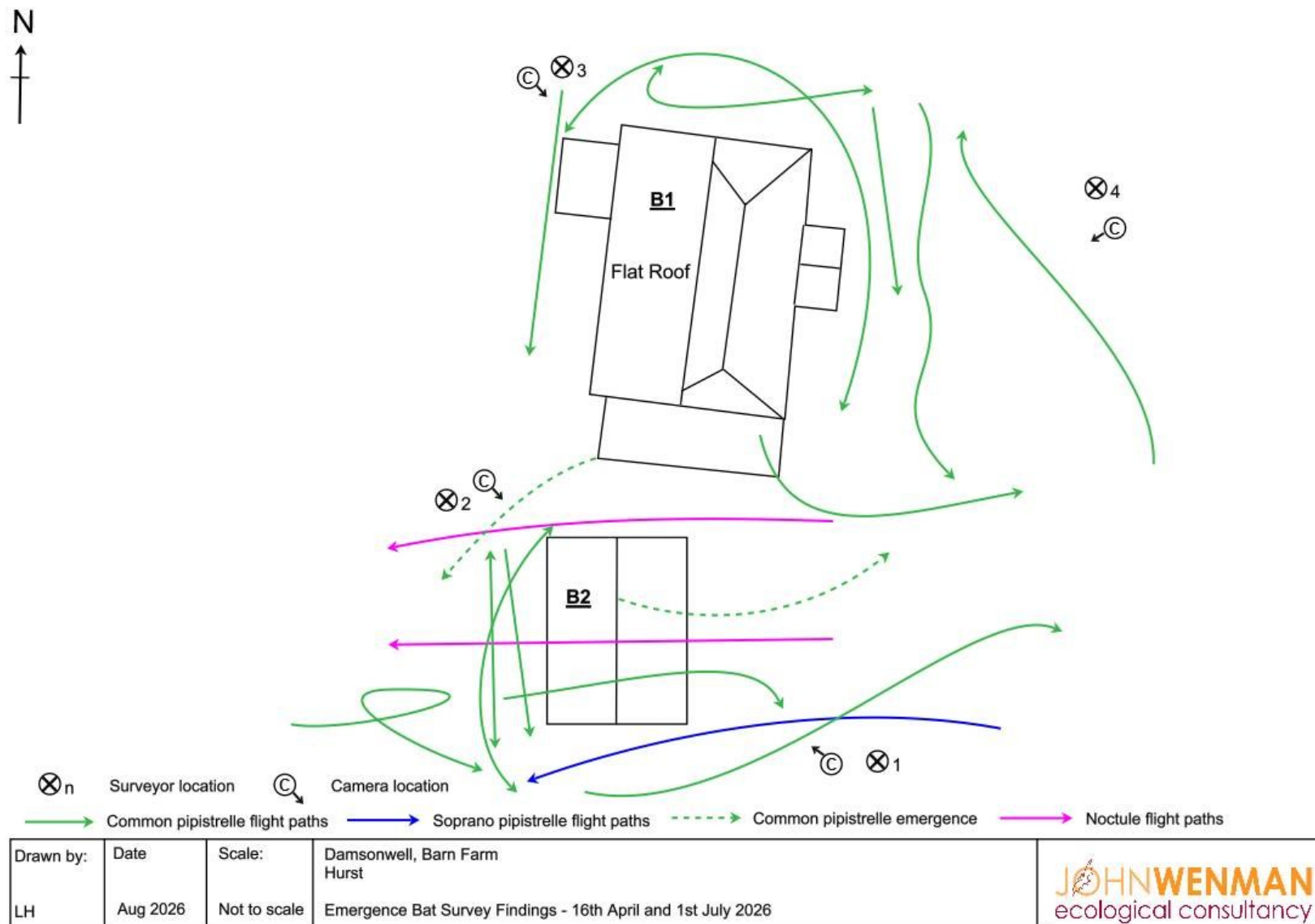


Figure 1. Bat Emergence Survey Plan of the House (B1) and Outbuilding (B2) – 16th April and 1st July 2026

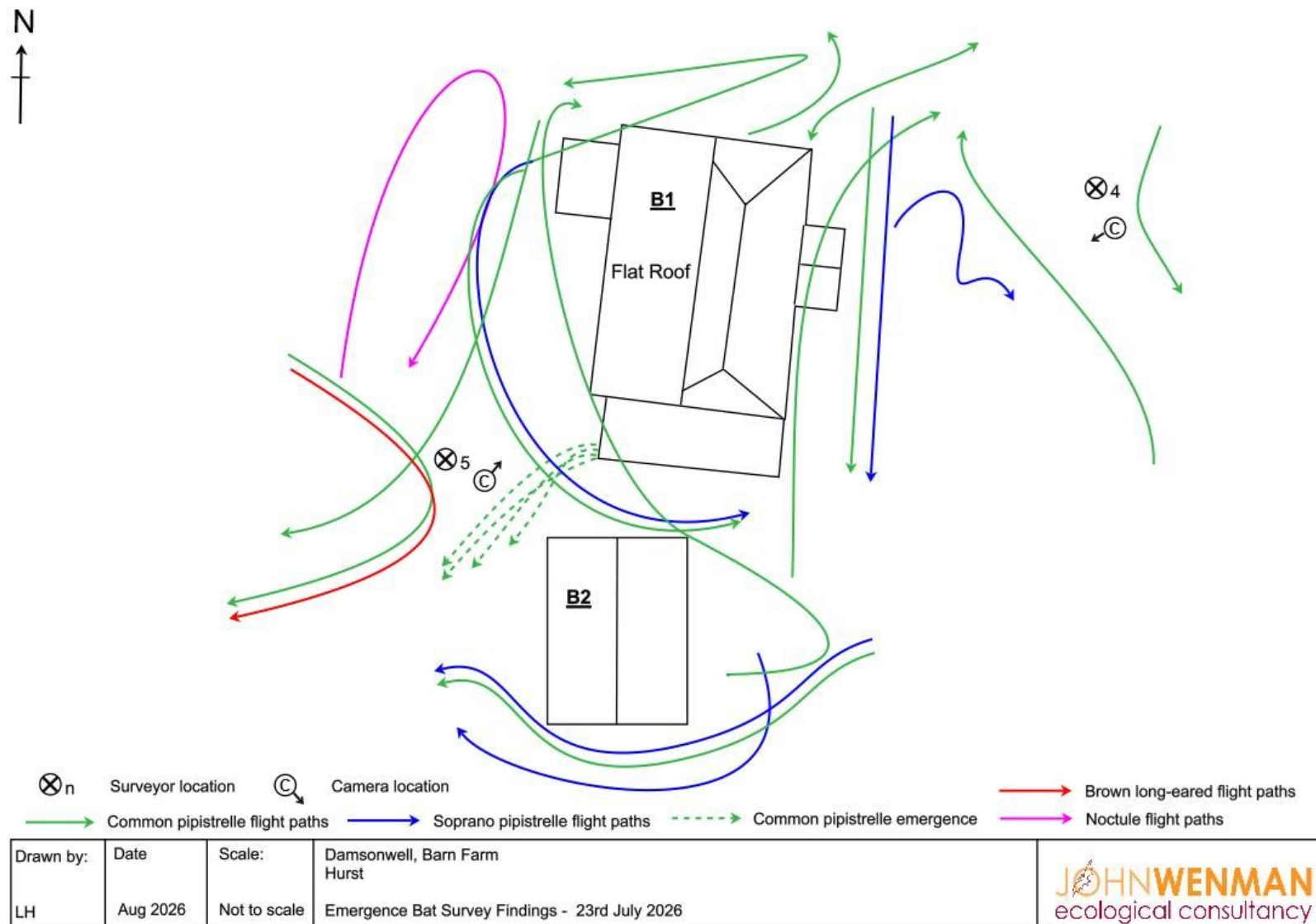


Figure 2. Bat Emergence Survey Plan of the House (B1) – 23rd July 2026

6 DISCUSSION

6.1 Assessment of Bat Roost Status – House (B1)

- 6.1.1** During the emergence surveys, a peak count of four common pipistrelle (*P. pipistrellus*) was recorded emerging from one access point located beneath the uPVC bargeboards on the rear elevation the house (B1). One individual common pipistrelle (*P. pipistrellus*) bat was recorded emerging from the same access point during the survey on 1st July 2026. The findings are consistent with the house acting as a day roost for common pipistrelle (*P. pipistrellus*).
- 6.1.2** Common pipistrelle (*P. pipistrellus*) is a crevice-dwelling species that are one of the most abundant and widespread bats in Great Britain. This species occurs in almost any habitat type an is well adapted to the built environments; they are one of the species most regularly reported roosting in houses and churches (Mathews *et al.* 2018). Day roosts of 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 2025).
- ### **6.2 Assessment of Bat Roost Status – Outbuilding (B2)**
- 6.2.1** A peak count of one common pipistrelle (*P. pipistrellus*) bat and one pipistrelle species (*P. pipistrellus*) - highly likely to be a common pipistrelle (*P. pipistrellus*) bat due to all other emergences recorded from the house (B1) and outbuilding (B2) being common pipistrelle (*P. pipistrellus*) bats - were recorded emerging from two access points located beneath lifted ridge tiles on the eastern elevation and a gap between the timber fascia and timber cladding on the southern gable end of the detached outbuilding (B2).
- 6.2.2** The earlier survey data from February 2026 recorded a roosting pipistrelle roosting behind cladding, which is consistent with outbuilding acting as a non-classic hibernation site for one of the pipistrelle species (considered most likely to be common pipistrelle based on subsequent data). The observation of two common pipistrelle (*P. pipistrellus*) bats emerging in April is consistent with the outbuilding acting as a transitional roost or an early season day roost.
- 6.2.3** Common pipistrelle (*P. pipistrellus*) is a crevice-dwelling species that are one of the most abundant and widespread bats in Great Britain. This species occurs in almost any habitat type an is well adapted to the built environments; they are one of the species most regularly reported roosting in houses and churches (Mathews *et al.* 2018). Hibernation roosts and transitional/day roosts of this species hold district/local to site level conservation importance (Reason & Wray 2025).

6.3 Impact Assessment – House (B1) and Outbuilding (B2)

- 6.3.1** The survey data demonstrates that the planning application seeking consent for erection of a single-storey front extension, two-storey side rear extension to include a Juliet balcony, and the demolition of the existing front porch and two onsite outbuildings, will result in the destruction of a hibernation and transitional common pipistrelle (*P.pipistrellus*) roost, used by low numbers of male or non-breeding bats, within the outbuilding (B2). Furthermore, in the absence of mitigation measures, the works could cause disturbance, injury and or death of bats.
- 6.3.2** A European Protected Species (EPS) Mitigation Licence (A13) will be required to allow the work to demolish the outbuilding (B2) to proceed lawfully. Under the terms of a full EPS mitigation licence, 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.
- 6.3.3** The common pipistrelle (*P.pipistrellus*) day roost, used by low numbers of male or non-breeding bats, identified beneath the bargeboards on the rear (south-western) elevation of the main house (B1), will not be impacted by the proposed development as all construction work is to be carried out at the opposite end and rear of the house (northern and north-western elevation). Therefore, the development proposals are highly unlikely to result in the damage or destruction of any bat roosts, or to the disturbance of bats occupying roosts, within the main house (B1). As such, a European Protected Species Mitigation License will not be required for the planned works to the main house (B1) to go ahead lawfully. The degree of disturbance is considered to fall below the threshold for the Habitat Regulations licencing test, and therefore no licence under this legislation is necessary. However, the disturbance may still be an offence under the WCA, therefore a non-licensed precautionary approach should be adopted (refer to **Section 7**).

7 MITIGATION AND COMPENSATION PROPOSALS

- 7.1.1** Following the grant of planning consent, before the licensable work begins i.e. demolition of the outbuilding (B2), a European Protected Species Mitigation Licence (EPSML) will be obtained.
- 7.1.2** All licensable works i.e. demolition of the outbuilding (B2) will be undertaken outside of the peak winter hibernation season (mid-November to February) and in conditions suitable for bat activity at dusk, to minimise the risk of disturbing torpid bats. One woodcrete bat box, suitable for day/transitional use, will be fixed to a suitable mature tree or purpose-built pole in the rear or front garden to the east or west of the property 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** The mechanical demolition of the outbuilding will be preceded by a soft strip of roof and cladding by hand. Specifically, removal of the roof and ridge tiles, timber fascias on both gable ends and surrounding timber cladding across the outbuilding (B2) will be carried out by hand or with handheld tools if necessary. Before the soft strip begins, the licensed ecologist, 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. 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.
- 7.1.4** A precautionary, non-licenced approach to the work to the house will be adopted. Specifically, a suitably qualified ecologist 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. The ecologist will provide advice on scaffolding to ensure that this does not block access to the roost. If deemed necessary, a W&C Act 1981 (as amended) disturbance notification will be filed with Natural England.
- 7.1.5** The installation of two hibernation bat boxes, i.e. 1WQ Schwegler Summer & Winter Bat Roost, will be fixed to the northern elevation of the main house (B1) and the northern elevation of the remaining garage to the south of the main house (B1) to suitably

compensate for the lost roosts underneath the ridge tiles and between the timber fascias and timber cladding on the gable ends of the outbuilding used by common pipistrelle bats.

8 REFERENCES

CIEEM (2019b). *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). The 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.

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

Reason, P.F. and Wray, S. (2025). *UK Bat Mitigation Guidelines: a guide to impact assessment, mitigation and compensation for developments affecting bats*. CIEEM, Ampfield.

APPENDIX 1 – DARKEST POINT OF SURVEY FOR NIGHT VISION AIDS

16th April 2026



Pixfra ARC A613 at Surveyor Location 1.



Pixfra ARC A613 at Surveyor Location 2.

1st July 2026



Pixfra ARC A613 at Surveyor Location 1.



Pixfra ARC A613 at Surveyor Location 2.



Pixfra ARC A613 at Surveyor Location 3.



Canon XA60 Surveyor Location 4.

23rd July 2026



Pixfra ARC A613 at Surveyor Location 4.



Pixfra ARC A613 at Surveyor Location 5.

APPENDIX 2 - BAT EMERGENCE SURVEY RAW DATA TABLES

16th April 2026

Surveyor Location 1 – Batlogger M2

Time	Species	Calls [#]
20:21	<i>Pipistrellus pipistrellus</i>	6
20:21	<i>Pipistrellus pygmaeus</i>	20
20:24	<i>Nyctalus noctula</i>	3
20:24	<i>Nyctalus noctula</i>	4
20:28	<i>Pipistrellus pipistrellus</i>	5
20:30	<i>Pipistrellus pipistrellus</i>	14
20:30	<i>Pipistrellus pipistrellus</i>	4
20:31	<i>Pipistrellus pipistrellus</i>	6
20:31	<i>Pipistrellus pipistrellus</i>	2
20:31	<i>Pipistrellus pipistrellus</i>	2
20:31	<i>Pipistrellus pipistrellus</i>	12
20:31	<i>Pipistrellus pipistrellus</i>	3
20:32	<i>Pipistrellus pipistrellus</i>	5
20:32	<i>Pipistrellus pipistrellus</i>	2
20:35	<i>Pipistrellus pipistrellus</i>	17
20:36	<i>Pipistrellus pipistrellus</i>	2
20:36	<i>Pipistrellus pipistrellus</i>	2
20:36	<i>Pipistrellus pipistrellus</i>	15
20:36	<i>Pipistrellus pipistrellus</i>	5
20:36	<i>Pipistrellus pipistrellus</i>	2
20:36	<i>Pipistrellus pipistrellus</i>	11
20:36	<i>Pipistrellus pipistrellus</i>	13
20:36	<i>Pipistrellus pipistrellus</i>	6
20:37	<i>Pipistrellus pipistrellus</i>	3
20:37	<i>Pipistrellus pipistrellus</i>	2
20:37	<i>Pipistrellus pipistrellus</i>	8
20:37	<i>Pipistrellus pipistrellus</i>	7
20:37	<i>Pipistrellus pipistrellus</i>	22
20:37	<i>Pipistrellus pipistrellus</i>	19
20:37	<i>Pipistrellus pipistrellus</i>	16
20:37	<i>Pipistrellus pipistrellus</i>	1
20:38	<i>Pipistrellus pipistrellus</i>	12
20:38	<i>Pipistrellus pipistrellus</i>	2
20:38	<i>Pipistrellus pipistrellus</i>	15
20:38	<i>Pipistrellus pipistrellus</i>	1
20:38	<i>Pipistrellus pipistrellus</i>	45
20:38	<i>Pipistrellus pipistrellus</i>	8
20:39	<i>Pipistrellus pipistrellus</i>	1
20:39	<i>Pipistrellus pipistrellus</i>	19
20:39	<i>Pipistrellus pipistrellus</i>	1

20:39	<i>Pipistrellus pipistrellus</i>	10
20:40	<i>Pipistrellus pygmaeus</i>	1
20:40	<i>Pipistrellus pipistrellus</i>	1
20:40	<i>Pipistrellus pipistrellus</i>	5
20:40	<i>Pipistrellus pipistrellus</i>	3
20:40	<i>Pipistrellus pipistrellus</i>	9
20:40	<i>Pipistrellus pipistrellus</i>	8
20:41	<i>Pipistrellus pipistrellus</i>	7
20:41	<i>Pipistrellus pipistrellus</i>	3
20:41	<i>Pipistrellus pipistrellus</i>	8
20:41	<i>Pipistrellus pipistrellus</i>	21
20:42	<i>Pipistrellus pipistrellus</i>	5
20:42	<i>Pipistrellus pipistrellus</i>	2
20:42	<i>Pipistrellus pipistrellus</i>	3
20:43	<i>Pipistrellus pipistrellus</i>	4
20:43	<i>Pipistrellus pipistrellus</i>	14
20:43	<i>Pipistrellus pipistrellus</i>	9
20:43	<i>Pipistrellus pipistrellus</i>	3
20:44	<i>Pipistrellus pipistrellus</i>	1
20:44	<i>Pipistrellus pipistrellus</i>	17
20:45	<i>Pipistrellus pipistrellus</i>	12
20:45	<i>Pipistrellus pipistrellus</i>	6
20:45	<i>Pipistrellus pipistrellus</i>	9
20:46	<i>Pipistrellus pipistrellus</i>	3
20:46	<i>Pipistrellus pipistrellus</i>	5
20:46	<i>Pipistrellus pipistrellus</i>	17
20:47	<i>Pipistrellus pipistrellus</i>	10
20:47	<i>Pipistrellus pipistrellus</i>	11
20:47	<i>Pipistrellus pipistrellus</i>	9
20:47	<i>Pipistrellus pipistrellus</i>	22
20:48	<i>Pipistrellus pipistrellus</i>	33
20:48	<i>Pipistrellus pipistrellus</i>	17
20:48	<i>Pipistrellus pipistrellus</i>	14
20:49	<i>Pipistrellus pipistrellus</i>	2
20:49	<i>Pipistrellus pipistrellus</i>	20
20:50	<i>Pipistrellus pipistrellus</i>	7
20:50	<i>Pipistrellus pipistrellus</i>	3
20:50	<i>Pipistrellus pipistrellus</i>	1
20:50	<i>Pipistrellus pygmaeus</i>	4
20:51	<i>Pipistrellus pipistrellus</i>	14
20:51	<i>Pipistrellus pipistrellus</i>	4
20:51	<i>Pipistrellus pipistrellus</i>	3
20:51	<i>Pipistrellus pipistrellus</i>	1
20:51	<i>Pipistrellus pipistrellus</i>	10
20:51	<i>Pipistrellus pipistrellus</i>	3
20:51	<i>Pipistrellus pipistrellus</i>	2
20:51	<i>Pipistrellus pipistrellus</i>	13

20:52	<i>Pipistrellus pipistrellus</i>	8
20:52	<i>Plecotus auritus</i>	16
20:52	<i>Plecotus auritus</i>	7
20:52	<i>Pipistrellus pipistrellus</i>	6
20:53	<i>Plecotus auritus</i>	13
20:53	<i>Pipistrellus pipistrellus</i>	6
20:53	<i>Pipistrellus pipistrellus</i>	4
20:53	<i>Pipistrellus pipistrellus</i>	25
20:53	<i>Pipistrellus pipistrellus</i>	7
20:54	<i>Pipistrellus pipistrellus</i>	24
20:54	<i>Pipistrellus pipistrellus</i>	11
20:54	<i>Pipistrellus pipistrellus</i>	11
20:55	<i>Pipistrellus pipistrellus</i>	24
20:55	<i>Pipistrellus pipistrellus</i>	16
20:55	<i>Pipistrellus pipistrellus</i>	4
20:55	<i>Pipistrellus pipistrellus</i>	17
20:56	<i>Pipistrellus pipistrellus</i>	10
20:56	<i>Pipistrellus pipistrellus</i>	1
20:56	<i>Pipistrellus pipistrellus</i>	5
20:56	<i>Pipistrellus pipistrellus</i>	31
20:56	<i>Pipistrellus pipistrellus</i>	3
20:57	<i>Pipistrellus pipistrellus</i>	10
20:57	<i>Pipistrellus pipistrellus</i>	1
20:57	<i>Pipistrellus pipistrellus</i>	18
20:57	<i>Pipistrellus pipistrellus</i>	9
20:57	<i>Pipistrellus pipistrellus</i>	16
20:58	<i>Pipistrellus pipistrellus</i>	17
20:58	<i>Pipistrellus pipistrellus</i>	36
20:58	<i>Pipistrellus pipistrellus</i>	6
20:58	<i>Pipistrellus pipistrellus</i>	21
20:59	<i>Pipistrellus pipistrellus</i>	2
20:59	<i>Pipistrellus pipistrellus</i>	41
20:59	<i>Pipistrellus pipistrellus</i>	8
20:59	<i>Pipistrellus pipistrellus</i>	4
20:59	<i>Pipistrellus pipistrellus</i>	42
21:00	<i>Pipistrellus pipistrellus</i>	36
21:00	<i>Pipistrellus pipistrellus</i>	2
21:00	<i>Pipistrellus pipistrellus</i>	8
21:00	<i>Pipistrellus pipistrellus</i>	7
21:00	<i>Pipistrellus pipistrellus</i>	35
21:01	<i>Pipistrellus pipistrellus</i>	22
21:01	<i>Pipistrellus pipistrellus</i>	14
21:01	<i>Pipistrellus pipistrellus</i>	5
21:02	<i>Pipistrellus pipistrellus</i>	1
21:02	<i>Pipistrellus pipistrellus</i>	4
21:02	<i>Pipistrellus pipistrellus</i>	29
21:02	<i>Pipistrellus pipistrellus</i>	6

21:02	<i>Pipistrellus pipistrellus</i>	36
21:02	<i>Pipistrellus pipistrellus</i>	11
21:02	<i>Pipistrellus pipistrellus</i>	22
21:03	<i>Pipistrellus pipistrellus</i>	15
21:03	<i>Pipistrellus pygmaeus</i>	4
21:03	<i>Pipistrellus pygmaeus</i>	1
21:04	<i>Pipistrellus pipistrellus</i>	5
21:04	<i>Pipistrellus pipistrellus</i>	35
21:04	<i>Pipistrellus pipistrellus</i>	0*
21:04	<i>Pipistrellus pipistrellus</i>	18
21:05	<i>Pipistrellus pipistrellus</i>	9
21:05	<i>Pipistrellus pipistrellus</i>	0*
21:05	<i>Pipistrellus pipistrellus</i>	35
21:05	<i>Pipistrellus pipistrellus</i>	1
21:06	<i>Pipistrellus pipistrellus</i>	21
21:06	<i>Pipistrellus pipistrellus</i>	10
21:07	<i>Pipistrellus pipistrellus</i>	25
21:07	<i>Pipistrellus pipistrellus</i>	24
21:08	<i>Pipistrellus pipistrellus</i>	2
21:08	<i>Pipistrellus pipistrellus</i>	7
21:09	<i>Pipistrellus pipistrellus</i>	12
21:09	<i>Pipistrellus pipistrellus</i>	6
21:09	<i>Pipistrellus pipistrellus</i>	7
21:09	<i>Pipistrellus pipistrellus</i>	12
21:10	<i>Pipistrellus pipistrellus</i>	11
21:10	<i>Pipistrellus pipistrellus</i>	25
21:10	<i>Pipistrellus pipistrellus</i>	3
21:10	<i>Pipistrellus pipistrellus</i>	2
21:10	<i>Pipistrellus pipistrellus</i>	11
21:11	<i>Pipistrellus pipistrellus</i>	16
21:11	<i>Pipistrellus pipistrellus</i>	6
21:12	<i>Pipistrellus pipistrellus</i>	15
21:12	<i>Pipistrellus pipistrellus</i>	2
21:12	<i>Pipistrellus pipistrellus</i>	16
21:12	<i>Pipistrellus pipistrellus</i>	5
21:12	<i>Pipistrellus pipistrellus</i>	2
21:13	<i>Pipistrellus pipistrellus</i>	8
21:13	<i>Pipistrellus pipistrellus</i>	15
21:14	<i>Pipistrellus pipistrellus</i>	1
21:14	<i>Pipistrellus pipistrellus</i>	5
21:14	<i>Pipistrellus pipistrellus</i>	13
21:14	<i>Pipistrellus pipistrellus</i>	19
21:14	<i>Pipistrellus pipistrellus</i>	1
21:15	<i>Pipistrellus pipistrellus</i>	18
21:15	<i>Pipistrellus pipistrellus</i>	47
21:15	<i>Pipistrellus pipistrellus</i>	5
21:15	<i>Pipistrellus pipistrellus</i>	42

21:16	<i>Pipistrellus pipistrellus</i>	8
21:16	<i>Pipistrellus pipistrellus</i>	1
21:16	<i>Pipistrellus pipistrellus</i>	31
21:16	<i>Pipistrellus pipistrellus</i>	36
21:17	<i>Pipistrellus pipistrellus</i>	27
21:17	<i>Pipistrellus pipistrellus</i>	35
21:17	<i>Pipistrellus pipistrellus</i>	34
21:18	<i>Pipistrellus pipistrellus</i>	18
21:18	<i>Pipistrellus pipistrellus</i>	15
21:18	<i>Pipistrellus pipistrellus</i>	5
21:18	<i>Pipistrellus pipistrellus</i>	23
21:18	<i>Pipistrellus pipistrellus</i>	1
21:19	<i>Pipistrellus pipistrellus</i>	7
21:19	<i>Pipistrellus pygmaeus</i>	7
21:19	<i>Pipistrellus pygmaeus</i>	21
21:19	<i>Pipistrellus pipistrellus</i>	23
21:19	<i>Pipistrellus pipistrellus</i>	11
21:19	<i>Pipistrellus pygmaeus</i>	26
21:19	<i>Pipistrellus pipistrellus</i>	25
21:20	<i>Pipistrellus pipistrellus</i>	6
21:20	<i>Pipistrellus pipistrellus</i>	7
21:20	<i>Pipistrellus pipistrellus</i>	20
21:20	<i>Pipistrellus pipistrellus</i>	12
21:20	<i>Pipistrellus pipistrellus</i>	12
21:20	<i>Pipistrellus pipistrellus</i>	14
21:21	<i>Pipistrellus pipistrellus</i>	16
21:21	<i>Pipistrellus pipistrellus</i>	39
21:21	<i>Pipistrellus pipistrellus</i>	19
21:21	<i>Pipistrellus pipistrellus</i>	16
21:22	<i>Pipistrellus pipistrellus</i>	12
21:22	<i>Pipistrellus pipistrellus</i>	8
21:22	<i>Pipistrellus pipistrellus</i>	26
21:22	<i>Pipistrellus pipistrellus</i>	26
21:22	<i>Pipistrellus pipistrellus</i>	14
21:23	<i>Pipistrellus pipistrellus</i>	28
21:23	<i>Pipistrellus pipistrellus</i>	18
21:23	<i>Pipistrellus pipistrellus</i>	20
21:23	<i>Pipistrellus pipistrellus</i>	38
21:24	<i>Pipistrellus pipistrellus</i>	3
21:24	<i>Pipistrellus pipistrellus</i>	1
21:24	<i>Pipistrellus pipistrellus</i>	4
21:24	<i>Pipistrellus pipistrellus</i>	9
21:24	<i>Pipistrellus pipistrellus</i>	7
21:24	<i>Pipistrellus pipistrellus</i>	1
21:24	<i>Pipistrellus pipistrellus</i>	16
21:24	<i>Pipistrellus pipistrellus</i>	23
21:25	<i>Pipistrellus pipistrellus</i>	14

21:25	<i>Pipistrellus pipistrellus</i>	13
21:25	<i>Pipistrellus pipistrellus</i>	41
21:26	<i>Pipistrellus pipistrellus</i>	1
21:26	<i>Pipistrellus pipistrellus</i>	23
21:26	<i>Pipistrellus pipistrellus</i>	17
21:26	<i>Pipistrellus pygmaeus</i>	12
21:26	<i>Pipistrellus pipistrellus</i>	2
21:26	<i>Pipistrellus pipistrellus</i>	7
21:27	<i>Pipistrellus pipistrellus</i>	23
21:27	<i>Pipistrellus pipistrellus</i>	1
21:27	<i>Pipistrellus pipistrellus</i>	14
21:27	<i>Pipistrellus pipistrellus</i>	12
21:27	<i>Pipistrellus pipistrellus</i>	24
21:28	<i>Pipistrellus pipistrellus</i>	16
21:28	<i>Pipistrellus pipistrellus</i>	1
21:28	<i>Pipistrellus pipistrellus</i>	11
21:28	<i>Pipistrellus pipistrellus</i>	13
21:28	<i>Pipistrellus pygmaeus</i>	19
21:28	<i>Pipistrellus pipistrellus</i>	12
21:29	<i>Pipistrellus pipistrellus</i>	32
21:29	<i>Pipistrellus pipistrellus</i>	3
21:29	<i>Pipistrellus pipistrellus</i>	31
21:29	<i>Pipistrellus pipistrellus</i>	4
21:30	<i>Pipistrellus pipistrellus</i>	10
21:30	<i>Pipistrellus pipistrellus</i>	10

Surveyor location 2 – Batlogger M2

Time	Species	Calls [#]
20:21	<i>Pipistrellus pipistrellus</i>	0*
20:21	<i>Pipistrellus pygmaeus</i>	4
20:23	<i>Nyctalus noctula</i>	7
20:24	<i>Nyctalus noctula</i>	7
20:30	<i>Pipistrellus pipistrellus</i>	2
20:36	<i>Pipistrellus pipistrellus</i>	10
20:36	<i>Pipistrellus pipistrellus</i>	15
20:36	<i>Pipistrellus pipistrellus</i>	2
20:36	<i>Pipistrellus pipistrellus</i>	7
20:37	<i>Pipistrellus pipistrellus</i>	13
20:37	<i>Pipistrellus pipistrellus</i>	1
20:37	<i>Pipistrellus pipistrellus</i>	4
20:37	<i>Nyctalus noctula</i>	3
20:38	<i>Pipistrellus pipistrellus</i>	3
20:38	<i>Pipistrellus pipistrellus</i>	12
20:38	<i>Pipistrellus pipistrellus</i>	7
20:38	<i>Pipistrellus pipistrellus</i>	14
20:39	<i>Pipistrellus pipistrellus</i>	0*
20:39	<i>Pipistrellus pipistrellus</i>	12

20:39	<i>Pipistrellus pipistrellus</i>	17
20:40	<i>Pipistrellus pygmaeus</i>	16
20:40	<i>Pipistrellus pipistrellus</i>	12
20:40	<i>Pipistrellus pipistrellus</i>	2
20:40	<i>Pipistrellus pipistrellus</i>	2
20:41	<i>Pipistrellus pipistrellus</i>	7
20:42	<i>Pipistrellus pipistrellus</i>	12
20:42	<i>Pipistrellus pipistrellus</i>	14
20:43	<i>Pipistrellus pipistrellus</i>	1
20:43	<i>Pipistrellus pipistrellus</i>	16
20:43	<i>Pipistrellus pipistrellus</i>	13
20:44	<i>Pipistrellus pipistrellus</i>	14
20:44	<i>Pipistrellus pipistrellus</i>	2
20:44	<i>Pipistrellus pipistrellus</i>	5
20:44	<i>Pipistrellus pipistrellus</i>	18
20:48	<i>Pipistrellus pipistrellus</i>	3
20:49	<i>Pipistrellus pipistrellus</i>	13
20:49	<i>Pipistrellus pipistrellus</i>	20
20:49	<i>Pipistrellus pipistrellus</i>	2
20:50	<i>Pipistrellus pygmaeus</i>	18
20:50	<i>Pipistrellus pipistrellus</i>	18
20:51	<i>Pipistrellus pipistrellus</i>	7
20:52	<i>Plecotus auritus</i>	11
20:54	<i>Pipistrellus pipistrellus</i>	15
20:54	<i>Pipistrellus pipistrellus</i>	4
20:55	<i>Pipistrellus pipistrellus</i>	10
20:55	<i>Pipistrellus pipistrellus</i>	11
20:55	<i>Pipistrellus pipistrellus</i>	19
20:55	<i>Pipistrellus pipistrellus</i>	1
20:56	<i>Pipistrellus pipistrellus</i>	18
20:56	<i>Pipistrellus pipistrellus</i>	3
20:57	<i>Pipistrellus pipistrellus</i>	2
20:57	<i>Pipistrellus pipistrellus</i>	2
20:58	<i>Pipistrellus pipistrellus</i>	1
20:59	<i>Pipistrellus pipistrellus</i>	5
20:59	<i>Pipistrellus pipistrellus</i>	7
20:59	<i>Pipistrellus pipistrellus</i>	2
21:00	<i>Pipistrellus pipistrellus</i>	1
21:00	<i>Pipistrellus pipistrellus</i>	22
21:00	<i>Pipistrellus pipistrellus</i>	6
21:00	<i>Pipistrellus pipistrellus</i>	1
21:00	<i>Pipistrellus pipistrellus</i>	0*
21:01	<i>Nyctalus noctula</i>	12
21:01	<i>Nyctalus noctula</i>	3
21:01	<i>Pipistrellus pipistrellus</i>	4
21:01	<i>Pipistrellus pipistrellus</i>	31
21:01	<i>Pipistrellus pipistrellus</i>	6

21:01	<i>Pipistrellus pipistrellus</i>	38
21:02	<i>Pipistrellus pipistrellus</i>	5
21:02	<i>Pipistrellus pipistrellus</i>	37
21:02	<i>Pipistrellus pipistrellus</i>	4
21:03	<i>Pipistrellus pygmaeus</i>	8
21:03	<i>Pipistrellus pygmaeus</i>	9
21:04	<i>Pipistrellus pipistrellus</i>	19
21:04	<i>Pipistrellus pipistrellus</i>	15
21:04	<i>Pipistrellus pipistrellus</i>	5
21:04	<i>Pipistrellus pipistrellus</i>	28
21:04	<i>Pipistrellus pipistrellus</i>	10
21:04	<i>Pipistrellus pipistrellus</i>	26
21:04	<i>Pipistrellus pipistrellus</i>	20
21:05	<i>Pipistrellus pipistrellus</i>	1
21:06	<i>Pipistrellus pygmaeus</i>	12
21:06	<i>Pipistrellus pygmaeus</i>	12
21:07	<i>Plecotus auritus</i>	11
21:07	<i>Pipistrellus pipistrellus</i>	5
21:07	<i>Pipistrellus pipistrellus</i>	2
21:10	<i>Pipistrellus pipistrellus</i>	2
21:10	<i>Pipistrellus pipistrellus</i>	10
21:11	<i>Pipistrellus pipistrellus</i>	25
21:12	<i>Pipistrellus pipistrellus</i>	6
21:12	<i>Pipistrellus pipistrellus</i>	42
21:14	<i>Pipistrellus pipistrellus</i>	42
21:14	<i>Pipistrellus pipistrellus</i>	23
21:14	<i>Pipistrellus pipistrellus</i>	31
21:15	<i>Pipistrellus pipistrellus</i>	21
21:15	<i>Pipistrellus pipistrellus</i>	3
21:15	<i>Pipistrellus pipistrellus</i>	5
21:15	<i>Pipistrellus pipistrellus</i>	16
21:15	<i>Pipistrellus pipistrellus</i>	8
21:15	<i>Pipistrellus pipistrellus</i>	2
21:16	<i>Pipistrellus pipistrellus</i>	2
21:16	<i>Pipistrellus pipistrellus</i>	31
21:17	<i>Pipistrellus pipistrellus</i>	6
21:17	<i>Pipistrellus pipistrellus</i>	1
21:17	<i>Pipistrellus pipistrellus</i>	16
21:17	<i>Pipistrellus pipistrellus</i>	4
21:17	<i>Pipistrellus pipistrellus</i>	37
21:17	<i>Pipistrellus pygmaeus</i>	32
21:17	<i>Pipistrellus pygmaeus</i>	15
21:18	<i>Pipistrellus pygmaeus</i>	5
21:18	<i>Pipistrellus pipistrellus</i>	1
21:19	<i>Pipistrellus pipistrellus</i>	3
21:20	<i>Pipistrellus pipistrellus</i>	7
21:20	<i>Pipistrellus pipistrellus</i>	14

21:20	<i>Pipistrellus pipistrellus</i>	3
21:20	<i>Pipistrellus pipistrellus</i>	20
21:20	<i>Pipistrellus pipistrellus</i>	21
21:21	<i>Pipistrellus pipistrellus</i>	8
21:21	<i>Pipistrellus pipistrellus</i>	29
21:21	<i>Pipistrellus pygmaeus</i>	2
21:21	<i>Plecotus auritus</i>	3
21:21	<i>Pipistrellus pipistrellus</i>	15
21:22	<i>Pipistrellus pipistrellus</i>	2
21:22	<i>Pipistrellus pipistrellus</i>	6
21:23	<i>Pipistrellus pipistrellus</i>	16
21:24	<i>Pipistrellus pipistrellus</i>	1
21:24	<i>Pipistrellus pipistrellus</i>	4
21:25	<i>Pipistrellus pipistrellus</i>	4
21:25	<i>Pipistrellus pipistrellus</i>	28
21:25	<i>Pipistrellus pipistrellus</i>	1
21:26	<i>Pipistrellus pipistrellus</i>	2
21:26	<i>Pipistrellus pipistrellus</i>	6
21:26	<i>Pipistrellus pygmaeus</i>	3
21:26	<i>Pipistrellus pipistrellus</i>	4
21:26	<i>Pipistrellus pipistrellus</i>	20
21:27	<i>Pipistrellus pipistrellus</i>	0*
21:27	<i>Pipistrellus pipistrellus</i>	21
21:28	<i>Pipistrellus pipistrellus</i>	7
21:28	<i>Pipistrellus pipistrellus</i>	3
21:28	<i>Pipistrellus pipistrellus</i>	0*
21:29	<i>Pipistrellus pipistrellus</i>	0*
21:29	<i>Pipistrellus pipistrellus</i>	7
21:29	<i>Pipistrellus pipistrellus</i>	2
21:29	<i>Pipistrellus pipistrellus</i>	13
21:30	<i>Pipistrellus pipistrellus</i>	36

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Surveyor Location 1 – Batlogger M2

Time	Species	Calls [#]
21:41	<i>Pipistrellus pipistrellus</i>	6
21:50	<i>Pipistrellus pipistrellus</i>	7
21:54	<i>Pipistrellus pipistrellus</i>	6
21:54	<i>Pipistrellus pipistrellus</i>	3
22:02	<i>Pipistrellus pipistrellus</i>	10
22:03	<i>Pipistrellus pipistrellus</i>	3
22:03	<i>Pipistrellus pipistrellus</i>	7
22:03	<i>Pipistrellus pipistrellus</i>	20
22:04	<i>Pipistrellus pipistrellus</i>	10
22:04	<i>Pipistrellus pipistrellus</i>	6
22:11	<i>Pipistrellus pipistrellus</i>	4
22:15	<i>Pipistrellus pipistrellus</i>	5
22:15	<i>Pipistrellus pipistrellus</i>	15
22:15	<i>Pipistrellus pipistrellus</i>	13
22:15	<i>Pipistrellus pipistrellus</i>	11
22:15	<i>Pipistrellus pipistrellus</i>	13
22:15	<i>Pipistrellus pipistrellus</i>	1
22:16	<i>Pipistrellus pipistrellus</i>	20
22:18	<i>Pipistrellus nathusii</i>	8
22:19	<i>Pipistrellus pipistrellus</i>	6
22:19	<i>Pipistrellus pipistrellus</i>	5
22:19	<i>Pipistrellus pipistrellus</i>	14
22:20	<i>Pipistrellus pipistrellus</i>	2
22:20	<i>Pipistrellus pipistrellus</i>	3
22:20	<i>Pipistrellus pipistrellus</i>	2
22:20	<i>Pipistrellus pipistrellus</i>	7
22:20	<i>Pipistrellus pipistrellus</i>	4
22:20	<i>Pipistrellus pipistrellus</i>	7
22:20	<i>Pipistrellus pipistrellus</i>	14
22:20	<i>Pipistrellus pipistrellus</i>	9
22:21	<i>Pipistrellus pipistrellus</i>	12
22:21	<i>Pipistrellus pipistrellus</i>	13
22:21	<i>Pipistrellus pipistrellus</i>	2
22:21	<i>Pipistrellus pipistrellus</i>	6
22:21	<i>Pipistrellus pipistrellus</i>	7
22:21	<i>Pipistrellus pipistrellus</i>	2
22:21	<i>Pipistrellus pipistrellus</i>	6
22:21	<i>Pipistrellus pipistrellus</i>	1
22:21	<i>Pipistrellus pipistrellus</i>	16
22:22	<i>Pipistrellus pipistrellus</i>	2
22:22	<i>Pipistrellus pipistrellus</i>	14
22:22	<i>Pipistrellus pipistrellus</i>	10

22:22	<i>Pipistrellus pipistrellus</i>	0*
22:22	<i>Pipistrellus pipistrellus</i>	1
22:22	<i>Pipistrellus pipistrellus</i>	11
22:23	<i>Pipistrellus pipistrellus</i>	7
22:23	<i>Pipistrellus pipistrellus</i>	11
22:26	<i>Pipistrellus pipistrellus</i>	11
22:26	<i>Pipistrellus pipistrellus</i>	10
22:26	<i>Pipistrellus pipistrellus</i>	5
22:26	<i>Pipistrellus pipistrellus</i>	9
22:28	<i>Pipistrellus pipistrellus</i>	6
22:28	<i>Pipistrellus pipistrellus</i>	4
22:28	<i>Pipistrellus pipistrellus</i>	2
22:28	<i>Pipistrellus pipistrellus</i>	5
22:28	<i>Pipistrellus pipistrellus</i>	2
22:28	<i>Pipistrellus nathusii</i>	1
22:28	<i>Pipistrellus nathusii</i>	2
22:29	<i>Pipistrellus pipistrellus</i>	18
22:29	<i>Pipistrellus pipistrellus</i>	15
22:29	<i>Pipistrellus pipistrellus</i>	3
22:29	<i>Pipistrellus pygmaeus</i>	3
22:29	<i>Pipistrellus pipistrellus</i>	2
22:29	<i>Pipistrellus pipistrellus</i>	3
22:29	<i>Pipistrellus pipistrellus</i>	12
22:30	<i>Pipistrellus pipistrellus</i>	1
22:30	<i>Pipistrellus pipistrellus</i>	0*
22:30	<i>Pipistrellus pipistrellus</i>	1
22:30	<i>Pipistrellus pipistrellus</i>	8
22:30	<i>Pipistrellus pipistrellus</i>	12
22:30	<i>Pipistrellus pipistrellus</i>	3
22:30	<i>Pipistrellus pipistrellus</i>	11
22:30	<i>Pipistrellus pygmaeus</i>	21
22:30	<i>Pipistrellus pipistrellus</i>	21
22:31	<i>Pipistrellus pipistrellus</i>	3
22:31	<i>Pipistrellus pipistrellus</i>	3
22:31	<i>Pipistrellus pipistrellus</i>	6
22:31	<i>Pipistrellus pipistrellus</i>	3
22:31	<i>Pipistrellus pipistrellus</i>	15
22:31	<i>Pipistrellus pipistrellus</i>	9
22:31	<i>Pipistrellus pipistrellus</i>	8
22:31	<i>Pipistrellus pipistrellus</i>	20
22:32	<i>Pipistrellus pipistrellus</i>	11
22:32	<i>Pipistrellus pipistrellus</i>	10
22:32	<i>Pipistrellus pipistrellus</i>	5
22:32	<i>Pipistrellus pipistrellus</i>	4
22:32	<i>Pipistrellus pipistrellus</i>	9
22:32	<i>Pipistrellus pipistrellus</i>	22
22:33	<i>Pipistrellus pipistrellus</i>	3
22:33	<i>Pipistrellus pipistrellus</i>	21
22:33	<i>Pipistrellus pipistrellus</i>	1

22:33	<i>Pipistrellus pipistrellus</i>	6
22:33	<i>Pipistrellus pipistrellus</i>	10
22:33	<i>Pipistrellus pipistrellus</i>	21
22:33	<i>Pipistrellus pipistrellus</i>	30
22:34	<i>Pipistrellus pipistrellus</i>	9
22:34	<i>Pipistrellus pipistrellus</i>	1
22:34	<i>Pipistrellus pipistrellus</i>	15
22:34	<i>Pipistrellus pygmaeus</i>	9
22:34	<i>Pipistrellus pipistrellus</i>	15
22:34	<i>Pipistrellus pipistrellus</i>	4
22:34	<i>Pipistrellus pipistrellus</i>	11
22:35	<i>Pipistrellus pipistrellus</i>	32
22:35	<i>Pipistrellus pipistrellus</i>	11
22:35	<i>Pipistrellus pipistrellus</i>	10
22:35	<i>Pipistrellus pipistrellus</i>	20
22:35	<i>Pipistrellus pipistrellus</i>	10
22:35	<i>Pipistrellus pipistrellus</i>	7
22:36	<i>Pipistrellus pipistrellus</i>	16
22:36	<i>Pipistrellus pipistrellus</i>	9
22:36	<i>Pipistrellus pipistrellus</i>	8
22:36	<i>Pipistrellus pipistrellus</i>	17
22:36	<i>Pipistrellus pipistrellus</i>	6
22:36	<i>Pipistrellus pygmaeus</i>	16
22:37	<i>Pipistrellus pipistrellus</i>	7
22:37	<i>Pipistrellus pipistrellus</i>	2
22:37	<i>Pipistrellus pipistrellus</i>	3
22:37	<i>Pipistrellus pipistrellus</i>	15
22:37	<i>Pipistrellus pipistrellus</i>	1
22:37	<i>Pipistrellus pipistrellus</i>	12
22:37	<i>Pipistrellus pipistrellus</i>	8
22:38	<i>Pipistrellus pipistrellus</i>	12
22:38	<i>Pipistrellus pipistrellus</i>	10
22:38	<i>Pipistrellus pipistrellus</i>	8
22:38	<i>Pipistrellus pipistrellus</i>	1
22:38	<i>Pipistrellus pipistrellus</i>	12
22:38	<i>Pipistrellus pipistrellus</i>	3
22:38	<i>Pipistrellus pipistrellus</i>	18
22:39	<i>Pipistrellus pipistrellus</i>	13
22:39	<i>Pipistrellus pipistrellus</i>	5
22:39	<i>Pipistrellus pygmaeus</i>	4
22:39	<i>Pipistrellus pygmaeus</i>	5
22:41	<i>Pipistrellus pipistrellus</i>	11
22:42	<i>Pipistrellus pygmaeus</i>	12
22:43	<i>Pipistrellus pipistrellus</i>	3
22:43	<i>Pipistrellus pipistrellus</i>	6
22:43	<i>Pipistrellus pipistrellus</i>	8
22:43	<i>Pipistrellus pygmaeus</i>	2
22:43	<i>Pipistrellus pygmaeus</i>	1
22:43	<i>Pipistrellus pipistrellus</i>	16

22:44	<i>Pipistrellus pipistrellus</i>	5
22:44	<i>Pipistrellus pipistrellus</i>	42
22:44	<i>Pipistrellus pipistrellus</i>	9
22:44	<i>Pipistrellus pipistrellus</i>	16
22:45	<i>Pipistrellus pipistrellus</i>	1
22:45	<i>Pipistrellus pipistrellus</i>	26
22:45	<i>Pipistrellus pipistrellus</i>	11
22:45	<i>Pipistrellus pipistrellus</i>	11
22:45	<i>Pipistrellus pipistrellus</i>	7
22:45	<i>Pipistrellus pipistrellus</i>	4
22:46	<i>Pipistrellus pipistrellus</i>	16
22:46	<i>Pipistrellus pipistrellus</i>	12
22:46	<i>Pipistrellus pipistrellus</i>	16
22:46	<i>Pipistrellus pipistrellus</i>	11
22:46	<i>Pipistrellus pipistrellus</i>	7
22:47	<i>Pipistrellus pipistrellus</i>	16
22:47	<i>Pipistrellus pipistrellus</i>	4
22:47	<i>Pipistrellus pipistrellus</i>	11
22:47	<i>Pipistrellus pipistrellus</i>	8
22:47	<i>Pipistrellus pipistrellus</i>	9
22:47	<i>Pipistrellus pipistrellus</i>	29
22:48	<i>Pipistrellus pipistrellus</i>	15
22:48	<i>Pipistrellus pipistrellus</i>	13
22:48	<i>Pipistrellus pipistrellus</i>	11
22:48	<i>Pipistrellus pipistrellus</i>	13
22:48	<i>Pipistrellus pipistrellus</i>	1
22:48	<i>Pipistrellus pipistrellus</i>	11
22:49	<i>Pipistrellus pipistrellus</i>	2
22:49	<i>Pipistrellus pipistrellus</i>	2
22:50	<i>Pipistrellus pipistrellus</i>	6
22:50	<i>Pipistrellus pipistrellus</i>	6
22:50	<i>Pipistrellus pipistrellus</i>	11
22:50	<i>Pipistrellus pipistrellus</i>	7
22:51	<i>Pipistrellus pipistrellus</i>	17
22:51	<i>Pipistrellus pipistrellus</i>	9
22:51	<i>Pipistrellus pipistrellus</i>	11
22:51	<i>Pipistrellus pipistrellus</i>	0*
22:51	<i>Pipistrellus pipistrellus</i>	10
22:52	<i>Pipistrellus pipistrellus</i>	10
22:52	<i>Pipistrellus pipistrellus</i>	11
22:52	<i>Pipistrellus pipistrellus</i>	14
22:52	<i>Pipistrellus pipistrellus</i>	8
22:52	<i>Pipistrellus pipistrellus</i>	16
22:53	<i>Pipistrellus pipistrellus</i>	7
22:53	<i>Pipistrellus pipistrellus</i>	10
22:53	<i>Pipistrellus pipistrellus</i>	9
22:53	<i>Pipistrellus pipistrellus</i>	16
22:54	<i>Pipistrellus pipistrellus</i>	2

Surveyor location 2 – Batlogger M2

Time	Species	Calls [#]
21:40	<i>Pipistrellus pipistrellus</i>	1
21:49	<i>Pipistrellus pipistrellus</i>	6
22:02	<i>Pipistrellus pipistrellus</i>	1
22:02	<i>Pipistrellus pipistrellus</i>	1
22:03	<i>Pipistrellus pipistrellus</i>	2
22:03	<i>Pipistrellus pipistrellus</i>	1
22:10	<i>Pipistrellus pipistrellus</i>	1
22:14	<i>Pipistrellus pipistrellus</i>	1
22:14	<i>Pipistrellus pipistrellus</i>	1
22:14	<i>Pipistrellus pipistrellus</i>	1
22:15	<i>Pipistrellus pipistrellus</i>	0*
22:17	<i>Pipistrellus pipistrellus</i>	12
22:18	<i>Pipistrellus pipistrellus</i>	3
22:19	<i>Pipistrellus pipistrellus</i>	0*
22:19	<i>Pipistrellus pipistrellus</i>	0*
22:19	<i>Pipistrellus pipistrellus</i>	3
22:19	<i>Pipistrellus pipistrellus</i>	1
22:19	<i>Pipistrellus pipistrellus</i>	2
22:19	<i>Pipistrellus pipistrellus</i>	1
22:19	<i>Pipistrellus pipistrellus</i>	3
22:20	<i>Pipistrellus pipistrellus</i>	5
22:20	<i>Pipistrellus pipistrellus</i>	2
22:20	<i>Pipistrellus pipistrellus</i>	1
22:20	<i>Pipistrellus pipistrellus</i>	1
22:20	<i>Pipistrellus pipistrellus</i>	8
22:20	<i>Pipistrellus pipistrellus</i>	2
22:20	<i>Pipistrellus pipistrellus</i>	1
22:21	<i>Pipistrellus pipistrellus</i>	1
22:21	<i>Pipistrellus pipistrellus</i>	2
22:21	<i>Pipistrellus pipistrellus</i>	2
22:21	<i>Pipistrellus pipistrellus</i>	3
22:21	<i>Pipistrellus pipistrellus</i>	1
22:21	<i>Pipistrellus pipistrellus</i>	3
22:21	<i>Pipistrellus pipistrellus</i>	0*
22:22	<i>Pipistrellus pipistrellus</i>	9
22:23	<i>Pipistrellus pipistrellus</i>	2
22:24	<i>Pipistrellus pipistrellus</i>	2
22:25	<i>Pipistrellus pipistrellus</i>	2
22:25	<i>Pipistrellus pipistrellus</i>	3
22:25	<i>Pipistrellus pipistrellus</i>	5
22:25	<i>Pipistrellus pipistrellus</i>	2
22:27	<i>Pipistrellus pipistrellus</i>	3
22:28	<i>Pipistrellus pipistrellus</i>	1
22:28	<i>Pipistrellus pipistrellus</i>	2
22:28	<i>Pipistrellus pipistrellus</i>	1
22:28	<i>Pipistrellus pipistrellus</i>	2

22:28	<i>Pipistrellus pipistrellus</i>	1
22:28	<i>Pipistrellus pipistrellus</i>	0*
22:29	<i>Pipistrellus pipistrellus</i>	2
22:29	<i>Pipistrellus pipistrellus</i>	2
22:29	<i>Pipistrellus pipistrellus</i>	0*
22:29	<i>Pipistrellus pipistrellus</i>	0*
22:29	<i>Pipistrellus pipistrellus</i>	2
22:30	<i>Pipistrellus pipistrellus</i>	2
22:30	<i>Pipistrellus pipistrellus</i>	4
22:30	<i>Pipistrellus pipistrellus</i>	2
22:30	<i>Pipistrellus pipistrellus</i>	2
22:30	<i>Pipistrellus pipistrellus</i>	2
22:30	<i>Pipistrellus pipistrellus</i>	4
22:31	<i>Pipistrellus pipistrellus</i>	2
22:31	<i>Pipistrellus pipistrellus</i>	1
22:31	<i>Pipistrellus pipistrellus</i>	2
22:31	<i>Pipistrellus pipistrellus</i>	7
22:31	<i>Pipistrellus pipistrellus</i>	1
22:31	<i>Pipistrellus nathusii</i>	4
22:31	<i>Pipistrellus pipistrellus</i>	15
22:31	<i>Pipistrellus pipistrellus</i>	1
22:31	<i>Pipistrellus pipistrellus</i>	3
22:31	<i>Pipistrellus pipistrellus</i>	5
22:32	<i>Pipistrellus pipistrellus</i>	8
22:32	<i>Pipistrellus pipistrellus</i>	4
22:32	<i>Pipistrellus pipistrellus</i>	2
22:32	<i>Pipistrellus pipistrellus</i>	1
22:32	<i>Pipistrellus pipistrellus</i>	1
22:33	<i>Pipistrellus pygmaeus</i>	3
22:33	<i>Pipistrellus pipistrellus</i>	1
22:33	<i>Pipistrellus pipistrellus</i>	4
22:33	<i>Pipistrellus pipistrellus</i>	1
22:33	<i>Pipistrellus pipistrellus</i>	1
22:33	<i>Pipistrellus pygmaeus</i>	5
22:33	<i>Pipistrellus pipistrellus</i>	1
22:33	<i>Pipistrellus pipistrellus</i>	1
22:33	<i>Pipistrellus pipistrellus</i>	14
22:34	<i>Pipistrellus pipistrellus</i>	4
22:34	<i>Pipistrellus pipistrellus</i>	3
22:34	<i>Pipistrellus pipistrellus</i>	6
22:34	<i>Pipistrellus pipistrellus</i>	7
22:34	<i>Pipistrellus pipistrellus</i>	4
22:34	<i>Pipistrellus pipistrellus</i>	2
22:34	<i>Pipistrellus pipistrellus</i>	6
22:34	<i>Pipistrellus pipistrellus</i>	8
22:35	<i>Pipistrellus pipistrellus</i>	2
22:35	<i>Pipistrellus pipistrellus</i>	5
22:35	<i>Pipistrellus pipistrellus</i>	2
22:35	<i>Pipistrellus pipistrellus</i>	1

22:35	<i>Pipistrellus pipistrellus</i>	5
22:35	<i>Pipistrellus pipistrellus</i>	14
22:35	<i>Pipistrellus pipistrellus</i>	3
22:36	<i>Pipistrellus pygmaeus</i>	5
22:36	<i>Pipistrellus pipistrellus</i>	1
22:36	<i>Pipistrellus pipistrellus</i>	1
22:36	<i>Pipistrellus pipistrellus</i>	1
22:36	<i>Pipistrellus pipistrellus</i>	4
22:36	<i>Pipistrellus pipistrellus</i>	1
22:36	<i>Pipistrellus pipistrellus</i>	1
22:37	<i>Pipistrellus pipistrellus</i>	1
22:37	<i>Pipistrellus pipistrellus</i>	2
22:37	<i>Pipistrellus pipistrellus</i>	3
22:37	<i>Pipistrellus pipistrellus</i>	1
22:37	<i>Pipistrellus pipistrellus</i>	2
22:37	<i>Pipistrellus pipistrellus</i>	3
22:37	<i>Pipistrellus pipistrellus</i>	0*
22:37	<i>Pipistrellus pipistrellus</i>	2
22:37	<i>Pipistrellus pipistrellus</i>	1
22:38	<i>Pipistrellus pipistrellus</i>	2
22:38	<i>Pipistrellus pipistrellus</i>	5
22:38	<i>Pipistrellus pipistrellus</i>	1
22:38	<i>Pipistrellus pipistrellus</i>	1
22:38	<i>Pipistrellus pipistrellus</i>	2
22:38	<i>Pipistrellus pipistrellus</i>	7
22:38	<i>Pipistrellus pipistrellus</i>	3
22:38	<i>Pipistrellus pygmaeus</i>	14
22:40	<i>Pipistrellus pipistrellus</i>	3
22:41	<i>Pipistrellus pygmaeus</i>	24
22:42	<i>Pipistrellus pipistrellus</i>	6
22:42	<i>Pipistrellus pygmaeus</i>	16
22:43	<i>Pipistrellus pipistrellus</i>	1
22:43	<i>Pipistrellus pipistrellus</i>	6
22:43	<i>Pipistrellus pipistrellus</i>	1
22:43	<i>Pipistrellus pipistrellus</i>	1
22:43	<i>Pipistrellus pipistrellus</i>	9
22:43	<i>Pipistrellus pipistrellus</i>	16
22:43	<i>Pipistrellus pipistrellus</i>	2
22:43	<i>Pipistrellus pipistrellus</i>	12
22:44	<i>Pipistrellus pipistrellus</i>	1
22:44	<i>Pipistrellus pipistrellus</i>	2
22:44	<i>Pipistrellus pipistrellus</i>	3
22:44	<i>Pipistrellus pipistrellus</i>	2
22:44	<i>Pipistrellus pipistrellus</i>	0*
22:44	<i>Pipistrellus pipistrellus</i>	2
22:45	<i>Pipistrellus pipistrellus</i>	3
22:45	<i>Pipistrellus pipistrellus</i>	4
22:45	<i>Pipistrellus pipistrellus</i>	7
22:45	<i>Pipistrellus pipistrellus</i>	3

Surveyor location 3 – Batlogger M1

Time	Species	Calls [#]
22:49	<i>Pipistrellus pipistrellus</i>	0*
22:30	<i>Pipistrellus pipistrellus</i>	3
22:30	<i>Pipistrellus pipistrellus</i>	0*
22:31	<i>Pipistrellus pipistrellus</i>	1
22:33	Noise	0
22:33	<i>Pipistrellus pipistrellus</i>	0*
22:35	<i>Pipistrellus pipistrellus</i>	0*
22:36	Noise	0
22:36	Noise	1
22:36	Noise	0
22:36	<i>Pipistrellus pipistrellus</i>	0*
22:37	<i>Pipistrellus pygmaeus</i>	6
22:37	Noise	0
22:37	<i>Pipistrellus pipistrellus</i>	0*
22:38	Noise	0
22:38	<i>Pipistrellus pipistrellus</i>	0*
22:38	Noise	0
22:38	<i>Pipistrellus pipistrellus</i>	0*
22:39	<i>Pipistrellus pipistrellus</i>	0*
22:39	<i>Pipistrellus pygmaeus</i>	3
22:39	<i>Pipistrellus pygmaeus</i>	17
22:40	Noise	0
22:41	Noise	0
22:42	<i>Pipistrellus pipistrellus</i>	0*
22:42	<i>Pipistrellus pipistrellus</i>	14
22:42	Noise	0
22:43	<i>Nyctalus noctula</i>	1
22:43	<i>Pipistrellus pipistrellus</i>	2
22:43	<i>Pipistrellus pipistrellus</i>	0*
22:45	Noise	0
22:45	<i>Pipistrellus pipistrellus</i>	0*
22:45	<i>Pipistrellus pipistrellus</i>	2
22:45	Noise	1
22:46	Noise	0
22:47	<i>Pipistrellus pipistrellus</i>	2
22:48	<i>Pipistrellus pipistrellus</i>	2
22:48	Noise	0
22:48	Noise	2
22:49	<i>Pipistrellus pipistrellus</i>	1
22:51	Noise	0
22:51	Noise	0

Surveyor location 4 – Echo Meter Touch 2

Time	Species	Calls [#]
21:51	<u><i>Nyctalus noctula</i></u>	1

21:52	<u>Nyctalus noctula</u>	1
21:53	<u>Nyctalus noctula</u>	1
22:04	<u>Pipistrellus pipistrellus</u>	2
22:05	<u>Pipistrellus pipistrellus</u>	1
22:12	<u>Pipistrellus pipistrellus</u>	1
22:16	<u>Pipistrellus pipistrellus</u>	4
22:17	<u>Pipistrellus pipistrellus</u>	1
22:19	<u>Pipistrellus pipistrellus</u>	2
22:20	<u>Pipistrellus pipistrellus</u>	1
22:21	<u>Pipistrellus pipistrellus</u>	6
22:22	<u>Pipistrellus pipistrellus</u>	5
22:23	<u>Pipistrellus pipistrellus</u>	5
22:24	<u>Pipistrellus pipistrellus</u>	1
22:25	<u>Pipistrellus pipistrellus</u>	1
22:27	<u>Pipistrellus pygmaeus</u>	4
22:29	<u>Pipistrellus pipistrellus</u>	2
22:30	<u>Pipistrellus pipistrellus</u>	5
22:31	<u>Pipistrellus pipistrellus</u>	5
22:32	<u>Pipistrellus pipistrellus</u>	4
22:33	<u>Pipistrellus pipistrellus</u>	4
22:34	<u>Pipistrellus pipistrellus</u>	4
22:35	<u>Pipistrellus pipistrellus</u>	3
22:36	<u>Pipistrellus pipistrellus</u>	5
22:37	<u>Pipistrellus pipistrellus</u>	5
22:38	<u>Pipistrellus pipistrellus</u>	5
22:39	<u>Pipistrellus pipistrellus</u>	6
22:40	<u>Pipistrellus pipistrellus</u>	2
22:41	<u>Pipistrellus pygmaeus</u>	1
22:42	<u>Pipistrellus pipistrellus</u>	1
22:43	<u>Pipistrellus pipistrellus</u>	2
22:44	<u>Pipistrellus pipistrellus</u>	2
22:45	<u>Pipistrellus pipistrellus</u>	6
22:46	<u>Pipistrellus pipistrellus</u>	5
22:47	<u>Pipistrellus pipistrellus</u>	6
22:48	<u>Pipistrellus pipistrellus</u>	6
22:49	<u>Pipistrellus pipistrellus</u>	4
22:50	<u>Pipistrellus nathusii</u>	2
22:51	<u>Pipistrellus pipistrellus</u>	3
22:52	<u>Pipistrellus pipistrellus</u>	4
22:53	<u>Pipistrellus pipistrellus</u>	4

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Surveyor Location 4 – Batlogger M1

Time	Species	Calls [#]
21:30	<u>Nyctalus noctula</u>	4
21:31	<u>Pipistrellus pipistrellus</u>	12
21:33	<u>Pipistrellus pipistrellus</u>	14

21:33	<i>Pipistrellus pipistrellus</i>	0*
21:34	<i>Nyctalus noctula</i>	5
21:35	<i>Pipistrellus pipistrellus</i>	6
21:36	<i>Pipistrellus pipistrellus</i>	8
21:36	<i>Nyctalus noctula</i>	4
21:36	<i>Nyctalus noctula</i>	3
21:36	<i>Pipistrellus pygmaeus</i>	4
21:36	<i>Nyctalus noctula</i>	4
21:36	<i>Nyctalus noctula</i>	2
21:38	<i>Pipistrellus pipistrellus</i>	2
21:39	<i>Pipistrellus pipistrellus</i>	2
21:39	<i>Pipistrellus pipistrellus</i>	2
21:39	<i>Pipistrellus pipistrellus</i>	3
21:40	<i>Pipistrellus pipistrellus</i>	3
21:40	<i>Pipistrellus pygmaeus</i>	27
21:40	<i>Pipistrellus pipistrellus</i>	27
21:40	<i>Pipistrellus pipistrellus</i>	6
21:40	<i>Pipistrellus pipistrellus</i>	3
21:40	Noise	0
21:40	<i>Pipistrellus pipistrellus</i>	6
21:40	<i>Pipistrellus pipistrellus</i>	3
21:40	<i>Pipistrellus pygmaeus</i>	17
21:40	Noise	1
21:40	<i>Pipistrellus pygmaeus</i>	6
21:40	<i>Pipistrellus pipistrellus</i>	6
21:41	<i>Pipistrellus pygmaeus</i>	18
21:41	<i>Pipistrellus pipistrellus</i>	2
21:41	<i>Pipistrellus pipistrellus</i>	4
21:41	<i>Pipistrellus pipistrellus</i>	4
21:41	<i>Pipistrellus pipistrellus</i>	1
21:41	<i>Pipistrellus pipistrellus</i>	2
21:41	<i>Pipistrellus pipistrellus</i>	13
21:41	<i>Pipistrellus pygmaeus</i>	10
21:41	<i>Pipistrellus pipistrellus</i>	9
21:41	<i>Pipistrellus pipistrellus</i>	2
21:41	<i>Pipistrellus pipistrellus</i>	4
21:41	<i>Pipistrellus pipistrellus</i>	6
21:42	<i>Pipistrellus pipistrellus</i>	16
21:42	<i>Pipistrellus pipistrellus</i>	21
21:42	<i>Pipistrellus pipistrellus</i>	3
21:42	<i>Pipistrellus pipistrellus</i>	8
21:42	<i>Pipistrellus pipistrellus</i>	5
21:42	<i>Pipistrellus pipistrellus</i>	7
21:42	<i>Pipistrellus pipistrellus</i>	2
21:42	<i>Pipistrellus pipistrellus</i>	2
21:43	<i>Pipistrellus pipistrellus</i>	3
21:43	<i>Pipistrellus pipistrellus</i>	9
21:43	<i>Pipistrellus pipistrellus</i>	3
21:43	<i>Pipistrellus pipistrellus</i>	3

21:43	<i>Pipistrellus pipistrellus</i>	6
21:43	<i>Pipistrellus pipistrellus</i>	3
21:43	<i>Pipistrellus pipistrellus</i>	5
21:43	<i>Pipistrellus pipistrellus</i>	4
21:43	<i>Pipistrellus pipistrellus</i>	0*
21:43	<i>Pipistrellus pipistrellus</i>	10
21:43	<i>Pipistrellus pipistrellus</i>	20
21:43	<i>Pipistrellus pipistrellus</i>	8
21:43	<i>Pipistrellus pipistrellus</i>	4
21:44	<i>Pipistrellus pygmaeus</i>	24
21:44	<i>Pipistrellus pygmaeus</i>	50
21:44	<i>Pipistrellus pygmaeus</i>	8
21:44	<i>Pipistrellus pipistrellus</i>	8
21:44	<i>Pipistrellus pipistrellus</i>	4
21:44	<i>Pipistrellus pipistrellus</i>	3
21:44	<i>Pipistrellus pipistrellus</i>	15
21:44	<i>Pipistrellus pipistrellus</i>	5
21:44	<i>Pipistrellus pipistrellus</i>	34
21:45	<i>Pipistrellus pipistrellus</i>	10
21:45	<i>Pipistrellus pipistrellus</i>	10
21:45	<i>Pipistrellus pipistrellus</i>	15
21:45	<i>Pipistrellus pipistrellus</i>	18
21:45	<i>Pipistrellus pipistrellus</i>	21
21:45	<i>Pipistrellus pipistrellus</i>	5
21:45	<i>Pipistrellus pipistrellus</i>	5
21:45	<i>Pipistrellus pipistrellus</i>	8
21:46	<i>Pipistrellus pipistrellus</i>	6
21:46	<i>Pipistrellus pipistrellus</i>	2
21:46	<i>Pipistrellus pipistrellus</i>	3
21:46	<i>Pipistrellus pipistrellus</i>	6
21:46	<i>Pipistrellus pipistrellus</i>	11
21:46	<i>Pipistrellus pygmaeus</i>	5
21:46	<i>Pipistrellus pipistrellus</i>	19
21:46	<i>Pipistrellus pipistrellus</i>	19
21:46	<i>Pipistrellus pipistrellus</i>	6
21:46	Noise	2
21:46	<i>Pipistrellus pipistrellus</i>	4
21:46	<i>Pipistrellus pipistrellus</i>	5
21:46	<i>Pipistrellus pipistrellus</i>	2
21:46	<i>Pipistrellus pipistrellus</i>	6
21:47	<i>Pipistrellus pipistrellus</i>	2
21:47	<i>Pipistrellus pipistrellus</i>	2
21:47	<i>Pipistrellus pipistrellus</i>	5
21:47	<i>Pipistrellus pipistrellus</i>	2
21:47	<i>Pipistrellus pipistrellus</i>	24
21:47	<i>Pipistrellus pipistrellus</i>	3
21:47	<i>Pipistrellus pipistrellus</i>	6
21:47	<i>Pipistrellus pipistrellus</i>	0*
21:47	<i>Pipistrellus pipistrellus</i>	2

21:47	<i>Pipistrellus pipistrellus</i>	0
21:47	<i>Pipistrellus pipistrellus</i>	5
21:47	<i>Pipistrellus pipistrellus</i>	3
21:47	<i>Pipistrellus pipistrellus</i>	3
21:48	<i>Pipistrellus pipistrellus</i>	3
21:48	<i>Pipistrellus pipistrellus</i>	3
21:48	<i>Pipistrellus pipistrellus</i>	6
21:48	<i>Pipistrellus pipistrellus</i>	8
21:48	<i>Pipistrellus pipistrellus</i>	8
21:48	<i>Pipistrellus pygmaeus</i>	7
21:48	<i>Pipistrellus pygmaeus</i>	9
21:48	<i>Pipistrellus pipistrellus</i>	1
21:48	<i>Pipistrellus pygmaeus</i>	15
21:48	<i>Pipistrellus pygmaeus</i>	16
21:48	<i>Pipistrellus pipistrellus</i>	7
21:48	<i>Pipistrellus pipistrellus</i>	2
21:49	<i>Pipistrellus pipistrellus</i>	3
21:49	<i>Pipistrellus pipistrellus</i>	1
21:49	<i>Pipistrellus pipistrellus</i>	5
21:49	<i>Pipistrellus pygmaeus</i>	8
21:49	<i>Pipistrellus pipistrellus</i>	8
21:49	<i>Pipistrellus pipistrellus</i>	5
21:49	<i>Pipistrellus pipistrellus</i>	3
21:49	<i>Pipistrellus pygmaeus</i>	8
21:49	<i>Pipistrellus pipistrellus</i>	8
21:49	<i>Pipistrellus pygmaeus</i>	15
21:49	<i>Pipistrellus pipistrellus</i>	2
21:49	<i>Pipistrellus pygmaeus</i>	37
21:49	<i>Pipistrellus pipistrellus</i>	32
21:50	<i>Pipistrellus pipistrellus</i>	8
21:50	<i>Pipistrellus pygmaeus</i>	9
21:50	<i>Pipistrellus pipistrellus</i>	10
21:50	<i>Pipistrellus pipistrellus</i>	4
21:50	<i>Pipistrellus pipistrellus</i>	5
21:50	<i>Pipistrellus pipistrellus</i>	7
21:50	<i>Pipistrellus pipistrellus</i>	2
21:50	<i>Pipistrellus pipistrellus</i>	2
21:50	<i>Pipistrellus pipistrellus</i>	2
21:51	<i>Pipistrellus pipistrellus</i>	3
21:51	<i>Pipistrellus pygmaeus</i>	7
21:51	<i>Pipistrellus pygmaeus</i>	5
21:51	<i>Pipistrellus pipistrellus</i>	5
21:51	<i>Pipistrellus pipistrellus</i>	3
21:51	<i>Pipistrellus pipistrellus</i>	0*
21:51	<i>Pipistrellus pipistrellus</i>	4
21:51	<i>Pipistrellus pipistrellus</i>	4
21:51	<i>Pipistrellus pipistrellus</i>	3
21:51	<i>Pipistrellus pipistrellus</i>	1
21:51	<i>Pipistrellus pipistrellus</i>	8

21:51	<i>Pipistrellus pipistrellus</i>	3
21:51	<i>Pipistrellus pipistrellus</i>	22
21:51	<i>Pipistrellus pipistrellus</i>	64
21:52	<i>Pipistrellus pipistrellus</i>	16
21:52	<i>Pipistrellus pipistrellus</i>	53
21:52	<i>Pipistrellus pipistrellus</i>	4
21:52	<i>Pipistrellus pipistrellus</i>	3
21:52	<i>Pipistrellus pipistrellus</i>	23
21:52	<i>Pipistrellus pipistrellus</i>	11
21:52	<i>Pipistrellus pipistrellus</i>	4
21:53	<i>Pipistrellus pipistrellus</i>	34
21:53	<i>Pipistrellus pipistrellus</i>	12
21:53	<i>Pipistrellus pipistrellus</i>	13
21:53	<i>Pipistrellus pipistrellus</i>	5
21:53	<i>Pipistrellus pipistrellus</i>	7
21:53	<i>Pipistrellus pipistrellus</i>	14
21:53	<i>Pipistrellus pipistrellus</i>	3
21:53	<i>Pipistrellus pipistrellus</i>	3
21:53	<i>Pipistrellus pipistrellus</i>	9
21:53	<i>Pipistrellus pipistrellus</i>	12
21:53	<i>Pipistrellus pipistrellus</i>	22
21:54	<i>Pipistrellus pipistrellus</i>	25
21:54	<i>Pipistrellus pipistrellus</i>	34
21:54	<i>Pipistrellus pipistrellus</i>	4
21:54	<i>Pipistrellus pipistrellus</i>	5
21:54	<i>Pipistrellus pipistrellus</i>	31
21:54	<i>Pipistrellus pipistrellus</i>	26
21:54	<i>Pipistrellus pipistrellus</i>	51
21:54	<i>Pipistrellus pipistrellus</i>	1
21:55	<i>Pipistrellus pipistrellus</i>	47
21:55	<i>Pipistrellus pipistrellus</i>	1
21:55	<i>Pipistrellus pygmaeus</i>	16
21:55	<i>Pipistrellus pipistrellus</i>	1
21:55	<i>Pipistrellus pipistrellus</i>	0*
21:55	<i>Pipistrellus pipistrellus</i>	1
21:55	<i>Pipistrellus pipistrellus</i>	28
21:56	<i>Pipistrellus pipistrellus</i>	33
21:56	<i>Pipistrellus pipistrellus</i>	2
21:56	<i>Pipistrellus pipistrellus</i>	50
21:56	<i>Pipistrellus pipistrellus</i>	5
21:56	<i>Pipistrellus pipistrellus</i>	1
21:57	<i>Pipistrellus pipistrellus</i>	0*
21:57	<i>Pipistrellus pipistrellus</i>	0*
21:57	<i>Pipistrellus pipistrellus</i>	11
21:57	<i>Pipistrellus pipistrellus</i>	14
21:57	<i>Pipistrellus pipistrellus</i>	0*
21:58	<i>Myotis spec.</i>	2
21:58	<i>Pipistrellus pipistrellus</i>	2
21:58	<i>Pipistrellus pipistrellus</i>	13

21:58	<i>Pipistrellus pipistrellus</i>	1
21:58	<i>Pipistrellus pipistrellus</i>	42
21:58	<i>Pipistrellus pipistrellus</i>	12
21:58	<i>Pipistrellus pipistrellus</i>	20
21:58	<i>Pipistrellus pipistrellus</i>	25
21:58	<i>Pipistrellus pipistrellus</i>	8
21:58	<i>Pipistrellus pipistrellus</i>	14
21:59	<i>Pipistrellus pipistrellus</i>	8
21:59	<i>Pipistrellus pipistrellus</i>	15
21:59	<i>Pipistrellus pygmaeus</i>	9
21:59	<i>Pipistrellus pipistrellus</i>	13
21:59	<i>Pipistrellus pipistrellus</i>	12
21:59	<i>Pipistrellus pipistrellus</i>	11
21:59	<i>Pipistrellus pipistrellus</i>	15
21:59	<i>Pipistrellus pipistrellus</i>	25
21:59	<i>Pipistrellus pipistrellus</i>	17
21:59	<i>Pipistrellus pipistrellus</i>	41
22:00	<i>Pipistrellus pipistrellus</i>	12
22:00	<i>Pipistrellus pipistrellus</i>	50
22:00	<i>Pipistrellus pipistrellus</i>	22
22:00	<i>Pipistrellus pipistrellus</i>	20
22:00	<i>Pipistrellus pipistrellus</i>	15
22:01	<i>Pipistrellus pygmaeus</i>	16
22:04	<i>Pipistrellus pipistrellus</i>	10*
22:05	Noise	0
22:05	<i>Pipistrellus pipistrellus</i>	11
22:05	<i>Eptesicus serotinus</i>	4
22:05	<i>Eptesicus serotinus</i>	6
22:07	<i>Pipistrellus pygmaeus</i>	1
22:07	<i>Pipistrellus pipistrellus</i>	14
22:09	<i>Pipistrellus pipistrellus</i>	1
22:09	<i>Pipistrellus pipistrellus</i>	6
22:10	<i>Pipistrellus pygmaeus</i>	23
22:12	Noise	0
22:13	<i>Pipistrellus pygmaeus</i>	2
22:13	<i>Pipistrellus pygmaeus</i>	3
22:13	<i>Plecotus auritus</i>	21
22:13	Noise	0
22:15	<i>Pipistrellus pipistrellus</i>	14
22:18	<i>Plecotus auritus</i>	9
22:18	<i>Pipistrellus pygmaeus</i>	2
22:18	<i>Pipistrellus pygmaeus</i>	0*
22:19	<i>Pipistrellus pipistrellus</i>	3
22:19	<i>Pipistrellus pipistrellus</i>	9
22:19	Noise	0
22:19	<i>Plecotus auritus</i>	6
22:19	<i>Pipistrellus pipistrellus</i>	6
22:19	<i>Pipistrellus pipistrellus</i>	2
22:19	<i>Plecotus auritus</i>	22

22:20	<i>Pipistrellus pygmaeus</i>	21
22:20	<i>Pipistrellus pygmaeus</i>	8
22:20	<i>Pipistrellus pygmaeus</i>	7
22:20	<i>Pipistrellus pygmaeus</i>	7
22:20	<i>Pipistrellus pygmaeus</i>	4
22:21	<i>Pipistrellus pipistrellus</i>	2
22:21	<i>Plecotus auritus</i>	17
22:22	<i>Plecotus auritus</i>	6
22:22	<i>Pipistrellus pipistrellus</i>	16
22:22	<i>Pipistrellus pipistrellus</i>	37
22:24	<i>Pipistrellus pygmaeus</i>	2
22:28	<i>Pipistrellus pygmaeus</i>	11
22:29	<i>Nyctalus noctula</i>	10
22:29	<i>Nyctalus noctula</i>	3
22:29	<i>Pipistrellus pipistrellus</i>	32
22:30	<i>Pipistrellus pygmaeus</i>	9
22:30	<i>Pipistrellus pygmaeus</i>	7
22:31	<i>Myotis spec.</i>	16
22:34	<i>Pipistrellus pygmaeus</i>	2
22:34	<i>Pipistrellus pygmaeus</i>	9
22:34	<i>Plecotus auritus</i>	4
22:34	Noise	0

Surveyor Location 5 – Batlogger M2

Time	Species	Calls [#]
21:20	<i>Pipistrellus pipistrellus</i>	8
21:14	<i>Pipistrellus pipistrellus</i>	7
21:22	<i>Pipistrellus pipistrellus</i>	7
21:22	<i>Pipistrellus pipistrellus</i>	9
21:28	<i>Nyctalus noctula</i>	15
21:28	<i>Nyctalus noctula</i>	2
21:31	<i>Pipistrellus pipistrellus</i>	6
21:35	<i>Pipistrellus pygmaeus</i>	12
21:37	<i>Pipistrellus pipistrellus</i>	2
21:37	<i>Pipistrellus pipistrellus</i>	11
21:37	<i>Pipistrellus pipistrellus</i>	3
21:37	<i>Pipistrellus pipistrellus</i>	2
21:37	<i>Pipistrellus pipistrellus</i>	2
21:37	<i>Pipistrellus pipistrellus</i>	7
21:37	<i>Pipistrellus pipistrellus</i>	3
21:37	<i>Pipistrellus pipistrellus</i>	2
21:38	<i>Pipistrellus pipistrellus</i>	1
21:38	<i>Pipistrellus pygmaeus</i>	19
21:38	<i>Pipistrellus pygmaeus</i>	5
21:38	<i>Pipistrellus pipistrellus</i>	5
21:38	<i>Pipistrellus pygmaeus</i>	17
21:39	<i>Pipistrellus pipistrellus</i>	4
21:39	<i>Pipistrellus pipistrellus</i>	4
21:39	<i>Pipistrellus pipistrellus</i>	2

21:39	<i>Pipistrellus pygmaeus</i>	10
21:39	<i>Pipistrellus pipistrellus</i>	0*
21:40	<i>Pipistrellus pipistrellus</i>	7
21:40	<i>Pipistrellus pipistrellus</i>	4
21:40	<i>Pipistrellus pipistrellus</i>	1
21:41	<i>Pipistrellus pipistrellus</i>	0*
21:41	<i>Pipistrellus pipistrellus</i>	0*
21:41	<i>Pipistrellus pipistrellus</i>	16
21:41	<i>Pipistrellus pipistrellus</i>	1
21:41	<i>Pipistrellus pipistrellus</i>	7
21:42	<i>Pipistrellus pygmaeus</i>	2
21:42	<i>Pipistrellus pygmaeus</i>	8
21:42	<i>Pipistrellus pipistrellus</i>	6
21:43	<i>Pipistrellus pipistrellus</i>	22
21:43	<i>Pipistrellus pipistrellus</i>	6
21:43	<i>Pipistrellus pipistrellus</i>	0*
21:43	<i>Pipistrellus pipistrellus</i>	2
21:44	<i>Pipistrellus pipistrellus</i>	4
21:44	<i>Pipistrellus pipistrellus</i>	5
21:44	<i>Pipistrellus pipistrellus</i>	3
21:45	<i>Pipistrellus pipistrellus</i>	2
21:46	<i>Pipistrellus pipistrellus</i>	6
21:46	<i>Pipistrellus pipistrellus</i>	8
21:46	<i>Pipistrellus pygmaeus</i>	35
21:47	<i>Pipistrellus pipistrellus</i>	23
21:47	<i>Pipistrellus pygmaeus</i>	9
21:47	<i>Pipistrellus pipistrellus</i>	11
21:48	<i>Pipistrellus pipistrellus</i>	6
21:48	<i>Pipistrellus pipistrellus</i>	8
21:48	<i>Pipistrellus pipistrellus</i>	6
21:49	<i>Pipistrellus pipistrellus</i>	2
21:49	<i>Pipistrellus pipistrellus</i>	5
21:49	<i>Pipistrellus pipistrellus</i>	3
21:49	<i>Pipistrellus pipistrellus</i>	13
21:50	<i>Pipistrellus pipistrellus</i>	1
21:50	<i>Pipistrellus pipistrellus</i>	4
21:50	<i>Pipistrellus pipistrellus</i>	11
21:50	<i>Pipistrellus pipistrellus</i>	8
21:50	<i>Pipistrellus pipistrellus</i>	0*
21:51	<i>Pipistrellus pipistrellus</i>	5
21:51	<i>Pipistrellus pipistrellus</i>	9
21:51	<i>Pipistrellus pipistrellus</i>	2
21:51	<i>Pipistrellus pipistrellus</i>	17
21:51	<i>Pipistrellus pipistrellus</i>	11
21:51	<i>Pipistrellus pipistrellus</i>	15
21:52	<i>Pipistrellus pipistrellus</i>	2
21:54	<i>Pipistrellus pipistrellus</i>	6
21:54	<i>Pipistrellus pipistrellus</i>	25
21:55	<i>Pipistrellus pygmaeus</i>	8

21:55	<i>Pipistrellus pipistrellus</i>	23
21:55	<i>Pipistrellus pipistrellus</i>	8
21:55	<i>Pipistrellus pipistrellus</i>	4
21:55	<i>Pipistrellus pipistrellus</i>	20
21:56	<i>Pipistrellus pipistrellus</i>	44
21:57	<i>Pipistrellus pipistrellus</i>	19
21:57	<i>Pipistrellus pipistrellus</i>	22
21:57	<i>Pipistrellus pipistrellus</i>	8
21:57	<i>Pipistrellus pipistrellus</i>	29
21:57	<i>Pipistrellus pygmaeus</i>	4
21:58	<i>Pipistrellus pipistrellus</i>	5
21:58	<i>Pipistrellus pipistrellus</i>	56
21:58	<i>Pipistrellus pipistrellus</i>	1
21:59	<i>Pipistrellus pygmaeus</i>	15
22:00	<i>Pipistrellus pipistrellus</i>	21
22:00	<i>Pipistrellus pipistrellus</i>	27
22:02	<i>Pipistrellus pipistrellus</i>	21
22:03	<i>Pipistrellus pipistrellus</i>	30
22:03	<i>Eptesicus serotinus</i>	16
22:03	<i>Pipistrellus pipistrellus</i>	21
22:03	<i>Pipistrellus pipistrellus</i>	3
22:03	<i>Pipistrellus pipistrellus</i>	1
22:04	<i>Pipistrellus pipistrellus</i>	16
22:04	<i>Nyctalus noctula</i>	3
22:05	<i>Pipistrellus pipistrellus</i>	35
22:06	<i>Pipistrellus pipistrellus</i>	30
22:06	<i>Pipistrellus pipistrellus</i>	13
22:06	<i>Pipistrellus pipistrellus</i>	39
22:07	<i>Pipistrellus pipistrellus</i>	21
22:11	<i>Pipistrellus pygmaeus</i>	11
22:11	<i>Pipistrellus pygmaeus</i>	8
22:11	<i>Pipistrellus pygmaeus</i>	17
22:12	<i>Myotis spec.</i>	22
22:16	<i>Plecotus auritus</i>	20
22:16	<i>Pipistrellus pygmaeus</i>	32
22:16	<i>Pipistrellus pipistrellus</i>	12
22:16	<i>Pipistrellus pygmaeus</i>	5
22:17	<i>Pipistrellus pygmaeus</i>	3
22:17	<i>Barbastella barbastellus</i>	22
22:17	<i>Pipistrellus pygmaeus</i>	16
22:19	<i>Pipistrellus pipistrellus</i>	15
22:19	<i>Barbastella barbastellus</i>	13
22:20	<i>Pipistrellus pipistrellus</i>	1
22:22	<i>Myotis spec.</i>	28
22:22	<i>Pipistrellus pygmaeus</i>	24
22:26	<i>Myotis spec.</i>	25
22:27	<i>Pipistrellus pipistrellus</i>	12
22:27	<i>Pipistrellus pipistrellus</i>	1

22:28	<i>Myotis spec.</i>	24
22:30	<i>Nyctalus noctula</i>	8
22:30	<i>Myotis spec.</i>	19
22:31	<i>Pipistrellus pygmaeus</i>	2

^NB. The number of calls per recording that 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.