



Wyndrush Wild

**Bat Activity Survey Report
for a proposed housing development on
land adjoining Awel-y-mor,
St Dogmaels, Pembrokeshire**

Client: Obsidian Developments

Survey Date: May - September 2022

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Executive Summary

Project Details and Location

The proposed development is located at SN167456. The site adjoins existing housing on three sides.

This report assesses the potential risks to bats and local bat populations posed by the proposed development.

Survey Methods

Pre-Survey Data Search

A limited desk exercise was carried out.

Habitat Survey

Preliminary Ecological Assessment completed in March 2022 by Wyndrush Wild.

Activity Survey

Static detectors were deployed for extended periods in spring, summer and autumn.

Results

Pre-Survey Data Search

Several known roosts of pipistrelle and brown long-eared bats are located in and around St Dogmaels. There are no protected bat sites within 5km.

Habitat Survey

The site comprises five main habitat types: semi-improved neutral grassland, semi-natural broad-leaved woodland, dense and scattered scrub, continuous bracken and hedge with trees.

The mature trees on the eastern site boundary have limited potential bat roost features, and all woody growth elsewhere is too young to have developed any. The continuous nature of the woody vegetation makes the hedge and adjoining scrub along the eastern boundary of potential value as a feeding or commuting corridor. The rough semi-improved grassland and bramble scrub across much of the site offers some potential foraging habitat.

Activity Surveys

Seven species of bats were recorded during the survey: common pipistrelle; soprano pipistrelle; brown long-eared, greater horseshoe, lesser horseshoe, Natterer's and noctule.

Throughout the survey periods, the weather was calm and mild with little to no rain and no strong winds.

Assessment

The potential impact of the development to local bat populations is considered to be **low**.

The site has some foraging potential. The surveys have shown that the eastern boundary, with the hedgerow and trees, is used more frequently than the more central parts of the site.

Access is proposed in the south-western boundary of the site, through an existing housing development. This would not impact on local bat populations.

Recommendations

No further surveys are required.

Mature trees and adjoining scrub should be retained along the eastern boundary to allow continued commuting of bats around the site.

Lighting should be hooded to direct all light spillage towards the ground and away from the hedgerow and trees.

1. Introduction

Wyndrush Wild was contracted by Obsidian Developments to carry out bat activity surveys in support of an application to Pembrokeshire County Council for a proposed housing development.

The proposed development is on land to the north of Awel-y-Mor in St Dogmaels, at grid reference SN167456 (see below).

The aim of the survey was to identify whether there would be any potential impact on the local bat populations that may occur as a result of the proposed development, and to recommend suitable mitigation measures if required.



Proposed development site at St Dogmaels.

1.1 Site Description

The proposed site comprises a block of currently unmanaged land on the eastern side of St Dogmaels. It is dominated by bramble scrub and bracken, with a central area of rough

grassland. There are also two derelict portacabins near the centre. Areas of willow and blackthorn thicken up towards the eastern boundary, where there is a line of mature trees.

1.2 Proposed Works

The proposal is for a new housing development. Full design details were not available prior to survey.

2. Methodology

2.1 Summary of survey methods

Two static detectors were deployed during survey periods in spring, summer and autumn. One was placed on a cabin roof near the centre of the site, whilst a second was placed in varying locations on or near the eastern boundary.

The dense growth of scrub across the majority of the site negated the possibility of transects being walked. It was decided instead to increase the deployment time of static detectors from the recommended 5 nights to an average of 10 nights.

A daytime inspection of the mature trees that border the perimeter of the site boundary was carried out. The trees were examined carefully using close focusing binoculars from within the site. Examination was undertaken for bat roosting opportunities and signs of bat use, including evidence such as staining around a hole; stains beneath a hole, caused by bat urine; scratch marks around a hole, caused by bat claws, and bat droppings beneath a hole.

2.2 Pre-survey data search

A limited desk exercise was carried out.

2.3 Field surveys

2.3.1 Habitat survey

A Preliminary Ecological Assessment was completed in March 2022 by Matt Sutton of Wyndrush Wild.

2.3.2 Activity surveys

Automated recording

- First automated survey started 7th May 2022 and finished 16th May 2022.
- Second automated survey started 16th June 2022 and finished 25th June 2022.
- Third automated survey started 25th August 2022 and finished 10th September 2022.
- Two Anabat Express were deployed with omnidirectional microphones. Deployment locations are shown below.



Location of deployed static detectors

The detectors were left in position to sample the bat activity over an extended period of time (½ hour before sunset to ½ hour after sunrise to ensure that bat species that emerge early in the evening and return to roosts late were recorded).

3. Results

3.1 Pre-survey data search

The nearest protected site is the Afon Teifi SSSI / SAC, which lies approximately 240m to the north at its nearest point. There are no sites designated for bats within 5km of the proposal. There are several known roosts of pipistrelle and brown long-eared bats in and around St Dogmaels. NBN Atlas holds records of greater and lesser horseshoe bat from south and east of Cardigan, but not from St Dogmaels.

3.2 Field surveys

3.2.1 Habitat description

The site comprises five main habitat types: semi-improved neutral grassland, semi-natural broad-leaved woodland, dense and scattered scrub, continuous bracken and hedge with trees.

The site was assessed as having moderate foraging potential, with areas of bramble scrub and woodland likely to hold good numbers of moths and other insects.

Mature ash, sycamore and oak trees on the eastern boundary of the site hold few obvious potential roost features and almost all trees were assessed as having low potential for roosting bats. A single ash tree had an active great-spotted woodpecker nest; the cavity here is theoretically suitable for roosting bats but is perhaps unlikely to be used until vacated by woodpeckers. The two derelict portacabins on site had dense bramble scrub preventing entry, but these structures are very unlikely to be used by roosting bats.

The continuous nature of the woody vegetation along the eastern boundary of the site is likely to have value as a feeding and commuting corridor.



Proposed development site – (top) central grassland area; (bottom-left) young woodland towards south-eastern corner; (bottom-right) scrub near eastern boundary



(left) Active woodpecker nest in ash on eastern boundary; (right) derelict portacabin

3.2.2 Activity Survey

The following information is summarised from data collected by the static detectors during the survey periods. One pass is recorded as one bat passing the microphone.

Seven species of bats were recorded during the survey: common pipistrelle; soprano pipistrelle; brown long-eared, greater horseshoe, lesser horseshoe, Natterer's and noctule.

Pipistrelle and noctule bats were recorded within the first hour and the last hour of the automated surveys, indicating that roosts are within close proximity to the site.

Higher numbers of passes were recorded closer to the eastern boundary, compared to the more central location.

3.2.2.1 Cabin Automated Survey 7th – 16th May 2022

Pipistrelle were recorded every day of the survey. The majority of bats detected were common pipistrelle, with the maximum number of passes being recorded on 13th May with 51. Also present through the survey period were low numbers of soprano pipistrelle (no more than 15 passes during a single night) and noctule (23 passes recorded in a single night, 1 hour before sunrise), and a single brown long-eared bat.

3.2.2.2 Woodland Corridor Automated Survey 7th – 16th May 2022

The majority of bats detected were common pipistrelle, with the maximum number of passes being recorded on 8th May, with 35. A single lesser horseshoe was recorded at midnight on 10th May. Two passes of greater horseshoe, an hour apart, were recorded towards the beginning of the night of 11th May. This species was recorded once again on 15th May. Noctule were present in single figure passes towards the beginning of the survey period.

3.2.2.3 Cabin Automated Survey 16th – 25th June 2022

Three species of bats were recorded during this survey period: common pipistrelle, soprano pipistrelle, and noctule. The maximum number of passes through one night was 29 on 24th June, with 16 of these being from common pipistrelle. Noctule passes were in low single figures, except for on 23rd June when there were 10 passes, distributed through the beginning and end of the recording period.

3.2.2.4 Northern Section Automated Survey 16th – 25th June 2022

Three species of bats were recorded during this survey period: common pipistrelle, soprano pipistrelle, and noctule. There were 30 passes of soprano pipistrelle on 19th June, towards the beginning of the recording period. Common pipistrelle was recorded with the greatest number of passes all other nights. Noctule was recorded in low numbers, ranging from 1 pass to 10 passes per night.

3.2.2.5 Cabin Automated Survey 25th August – 10th September 2022

Three species of bats were recorded during this survey period: common pipistrelle, barbastelle, and noctule. Common pipistrelle was only recorded on 2 nights, with 2 passes each towards the beginning of the recording period. The maximum number of noctule passes was on 29th August, with 10 passes; all of which were towards the beginning of the recording period. Barbastelle were recorded on two separate recording periods; once on 30th August towards the beginning of the night, and three times on 8th September also at the beginning of the night just after sunset.

3.2.2.6 Eastern Woodland Boundary 25th August – 10th September 2022

Six species of bats were recorded during this survey period: common pipistrelle, soprano pipistrelle, brown long-eared, noctule, Natterer's, and greater horseshoe. Only low numbers of passes were recorded throughout the survey period, with the greatest being 28 passes on 2nd September. Common pipistrelle, soprano pipistrelle, brown long-eared and noctule were recorded throughout the survey period in low numbers. Natterer's were recorded on four different nights, with single passes. Greater horseshoe was recorded with single passes on two different nights; on a third night, there were two passes with an hour between the passes. The majority of the recorded passes were during the first $\frac{1}{4}$ or last $\frac{1}{4}$ of the survey period.

4. Assessment

4.1 Constraints

Access was given to the site itself for the whole survey period. The bat detectors were deployed during periods of mainly settled weather conditions. It was not practical to walk transects through the site due to the dense bramble scrub.

4.2 Potential Impacts of Development

The potential impact of the development to local bat populations is considered to be **low**.

Throughout the automated survey periods, bats were detected within the first hour and last hour indicating that at least one roost is near to the site. The bats recorded within this time period were predominantly pipistrelle. The highest number of passes were recorded from the eastern part of the site, around the woodland area; it could be that these bats were using the woodland edge to commute and forage.

The most common species of bats were common pipistrelle, soprano pipistrelle, and noctule. The remaining species that were recorded could be classed as infrequent visitors to the site.

Possible impacts to bat populations include the loss of foraging habitat and fragmentation of habitat (Collins, 2016). The installation of lighting will also have a potential impact. However, with mitigation, impacts will be minimised.

4.3 Legislation and Policy Guidance

In the UK, all bat species are protected by domestic and European legislation. The relevant legislation that protects bats in Wales is: the Wildlife and Countryside Act (1981) (as amended); the Countryside and Rights of Way Act, 2000; the Natural Environment and Rural Communities Act (NERC, 2006) and The Conservation of Habitats and Species (Amendment) (EU Exit) Regulations (2019).

In summary, the above legislation collectively prohibits the following:

- Deliberately capturing, injuring or killing a bat
- Intentionally or recklessly disturbing a bat in its roost or deliberately disturbing a group of bats
- Damaging or destroying a bat roosting place (even if bats are not occupying the roost at the time)
- Possessing or advertising/ selling/ exchanging a bat (dead or alive) or any part of a bat
- Intentionally or recklessly obstructing access to a bat roost.

Within Wales, licences are issued by Natural Resources Wales for any actions that may compromise the protection of a European protected species (bats included). This includes all developments, whether or not they require planning permission.

Bats are also protected by the Wild Mammals (Protection) Act 1996. Selected bat species are listed on the UK Biodiversity Action Plan and all bat species feature in the Pembrokeshire Local Biodiversity Action Plan.

Planning policies are in place which ensure that public bodies and developers consider the potential impacts of any proposed development upon wildlife and to ensure that there is no net loss in biodiversity as a result of proposals.

Key policies are outlined below:

- Planning Policy Wales 7, Chapter 5: Conserving and Improving Natural Heritage and the Coast (2014). This outlines the Welsh Government's policies relating to the protection of biodiversity and geological conservation through the planning process, in line with existing legislation.
- Technical Advice Note (TAN) 5: Nature Conservation and Planning (2009). This is supplementary advice on how the planning system should contribute to protecting and enhancing biodiversity and geological conservation.
- Natural Environment and Rural Communities (NERC) Act (2009). Public authorities have a duty to conserve biodiversity under this act.

5. Recommendations

Further surveys will not be necessary.

Some opportunity may exist to provide biodiversity gain by incorporating the provision of dedicated artificial roost features.

The adoption of a sympathetic lighting regime designed to avoid light spill should be required. Any security lighting should be directional and fitted with sensors and timers. These measures would help to ensure the proposed development is sympathetic to bats (i.e., artificial light is created only when required and is of limited extent and duration).

Mature trees and scrub should be retained along the eastern boundary to allow continued commuting and foraging of bats around the site.

6. Summary

The proposed residential development is considered to be low risk to local bat populations. The site itself offers moderate foraging potential, particularly towards the eastern boundary. No mitigation licences are required.

7. References

Pembrokeshire Local Biodiversity Action Plan (2011)

Collins, J. (ed.) (2016) Bat Surveys for Professional Ecologists: Good Practice Guidelines (3rd edn).

Institution of Lighting Professionals. Bats and Artificial Lighting in the UK. Bat Conservation Trust Guidance Note 08/18

Joint Nature Conservancy Council (2004) Bat Workers Manual 3rd Ed.

Mitchell-Jones, A.J (2004). Bat Mitigation Guidelines

APPENDIX 1 – Transect Recording Results

Cabin

Sunrise 05.35hrs Sunset 20.53hrs (approximate times for survey period)

Date	Hour	Minutes	Species
08/05/2022	21	41:15.4	Noctule
08/05/2022	22	13:38.3	Noctule
08/05/2022	22	14:52.1	Common Pipistrelle
08/05/2022	22	24:29.9	Common Pipistrelle
08/05/2022	22	43:55.7	Common Pipistrelle
08/05/2022	21	59:08.0	Common Pipistrelle
08/05/2022	21	37:24.6	Common Pipistrelle
08/05/2022	21	15:55.3	Common Pipistrelle
08/05/2022	22	08:19.3	Soprano Pipistrelle
08/05/2022	22	36:14.0	Soprano Pipistrelle
08/05/2022	23	31:20.2	Soprano Pipistrelle
08/05/2022	22	38:13.5	Soprano Pipistrelle
08/05/2022	22	10:46.0	Soprano Pipistrelle
09/05/2022	1	34:39.9	Common Pipistrelle
09/05/2022	0	27:42.3	Common Pipistrelle
09/05/2022	3	06:21.4	Common Pipistrelle
09/05/2022	1	13:43.4	Common Pipistrelle
09/05/2022	1	13:45.9	Common Pipistrelle
09/05/2022	1	34:44.2	Common Pipistrelle
09/05/2022	2	42:46.8	Common Pipistrelle
09/05/2022	1	50:58.2	Common Pipistrelle
09/05/2022	1	13:40.5	Common Pipistrelle
09/05/2022	1	30:24.8	Common Pipistrelle
09/05/2022	0	40:33.8	Common Pipistrelle
09/05/2022	1	55:30.4	Common Pipistrelle
09/05/2022	0	33:25.2	Common Pipistrelle
09/05/2022	1	13:48.4	Common Pipistrelle
09/05/2022	5	01:18.5	Soprano Pipistrelle
09/05/2022	4	59:37.6	Soprano Pipistrelle
09/05/2022	5	02:55.8	Soprano Pipistrelle
10/05/2022	21	42:53.8	Common Pipistrelle
10/05/2022	23	58:08.2	Common Pipistrelle
10/05/2022	23	33:41.0	Common Pipistrelle
10/05/2022	22	49:13.9	Common Pipistrelle
10/05/2022	23	17:17.9	Common Pipistrelle
10/05/2022	21	14:41.3	Common Pipistrelle
10/05/2022	22	21:08.8	Soprano Pipistrelle
10/05/2022	21	26:30.3	Soprano Pipistrelle

11/05/2022	22	02:04.6	Noctule
11/05/2022	22	21:02.5	Common Pipistrelle
11/05/2022	22	43:09.3	Common Pipistrelle
11/05/2022	21	32:32.1	Common Pipistrelle
11/05/2022	2	02:43:50	Common Pipistrelle
11/05/2022	22	21:05.5	Common Pipistrelle
11/05/2022	22	20:59.3	Common Pipistrelle
11/05/2022	22	32:54.1	Soprano Pipistrelle
11/05/2022	21	32:15.3	Soprano Pipistrelle
12/05/2022	4	38:25.0	Noctule
12/05/2022	4	46:24.8	Noctule
12/05/2022	4	49:07.4	Noctule
12/05/2022	4	43:41.4	Noctule
12/05/2022	4	41:45.8	Noctule
12/05/2022	4	45:38.3	Noctule
12/05/2022	4	37:34.6	Noctule
12/05/2022	4	43:24.4	Noctule
12/05/2022	4	45:54.0	Noctule
12/05/2022	4	42:22.0	Noctule
12/05/2022	4	46:55.4	Noctule
12/05/2022	4	41:29.3	Noctule
12/05/2022	4	43:56.7	Noctule
12/05/2022	4	47:48.7	Noctule
12/05/2022	4	39:12.0	Noctule
12/05/2022	4	04:49:31	Noctule
12/05/2022	4	37:55.6	Noctule
12/05/2022	4	44:15.2	Noctule
12/05/2022	4	04:38:57	Noctule
12/05/2022	4	44:48.0	Noctule
12/05/2022	4	47:33.2	Noctule
12/05/2022	4	49:46.5	Noctule
12/05/2022	4	42:06.1	Noctule
12/05/2022	4	42:37.2	Noctule
12/05/2022	4	42:52.4	Noctule
12/05/2022	4	39:47.0	Noctule
12/05/2022	4	50:02.7	Noctule
12/05/2022	4	44:30.7	Noctule
12/05/2022	4	45:03.5	Noctule
12/05/2022	4	04:47:12	Noctule
12/05/2022	4	38:12.5	Noctule
12/05/2022	4	43:09.2	Noctule
12/05/2022	4	39:31.0	Noctule
12/05/2022	4	37:13.8	Noctule
12/05/2022	4	48:18.8	Noctule
12/05/2022	4	45:19.0	Noctule

12/05/2022	4	40:03.9	Noctule
12/05/2022	0	57:56.5	Common Pipistrelle
12/05/2022	4	23:58.3	Common Pipistrelle
12/05/2022	21	13:50.0	Common Pipistrelle
12/05/2022	4	26:41.6	Common Pipistrelle
12/05/2022	2	25:48.7	Common Pipistrelle
12/05/2022	22	01:52.3	Common Pipistrelle
12/05/2022	3	20:10.1	Common Pipistrelle
12/05/2022	3	14:59.0	Common Pipistrelle
12/05/2022	21	18:36.8	Common Pipistrelle
12/05/2022	4	38:41.3	Common Pipistrelle
12/05/2022	3	30:09.3	Common Pipistrelle
12/05/2022	23	00:40.4	Common Pipistrelle
12/05/2022	4	40:37.4	Common Pipistrelle
12/05/2022	0	17:44.8	Common Pipistrelle
12/05/2022	22	16:23.7	Common Pipistrelle
12/05/2022	3	35:41.9	Common Pipistrelle
12/05/2022	3	36:08.7	Common Pipistrelle
12/05/2022	0	03:23.6	Common Pipistrelle
12/05/2022	23	46:42.7	Common Pipistrelle
12/05/2022	0	12:53.2	Common Pipistrelle
12/05/2022	3	51:42.2	Common Pipistrelle
12/05/2022	1	36:43.8	Common Pipistrelle
12/05/2022	21	34:34.6	Common Pipistrelle
12/05/2022	4	30:35.0	Common Pipistrelle
13/05/2022	4	47:31.2	Noctule
13/05/2022	4	50:20.8	Noctule
13/05/2022	4	47:47.7	Noctule
13/05/2022	4	53:46.1	Noctule
13/05/2022	4	45:35.2	Noctule
13/05/2022	4	48:25.6	Noctule
13/05/2022	4	46:19.4	Noctule
13/05/2022	4	53:30.1	Noctule
13/05/2022	4	49:15.4	Noctule
13/05/2022	4	43:17.0	Noctule
13/05/2022	4	46:04.2	Noctule
13/05/2022	4	51:24.8	Noctule
13/05/2022	4	51:58.0	Noctule
13/05/2022	4	54:40.0	Noctule
13/05/2022	4	50:36.4	Noctule
13/05/2022	4	48:40.7	Noctule
13/05/2022	4	52:13.7	Noctule
13/05/2022	4	48:55.8	Noctule
13/05/2022	4	47:11.9	Noctule
13/05/2022	4	50:04.3	Noctule

13/05/2022	4	52:31.0	Noctule
13/05/2022	4	53:56.4	Noctule
13/05/2022	4	49:32.5	Noctule
13/05/2022	4	53:15.1	Noctule
13/05/2022	22	59:31.5	Common Pipistrelle
13/05/2022	23	07:48.3	Common Pipistrelle
13/05/2022	22	59:18.9	Common Pipistrelle
13/05/2022	22	57:17.9	Common Pipistrelle
13/05/2022	23	01:46.7	Common Pipistrelle
13/05/2022	23	01:31.6	Common Pipistrelle
13/05/2022	23	51:05.0	Common Pipistrelle
13/05/2022	22	58:17.5	Common Pipistrelle
13/05/2022	22	57:30.7	Common Pipistrelle
13/05/2022	22	58:32.7	Common Pipistrelle
13/05/2022	22	58:01.7	Common Pipistrelle
13/05/2022	22	57:45.7	Common Pipistrelle
13/05/2022	22	57:02.9	Common Pipistrelle
13/05/2022	23	02:17.0	Common Pipistrelle
13/05/2022	22	58:47.7	Common Pipistrelle
13/05/2022	22	59:03.8	Common Pipistrelle
13/05/2022	23	03:41.4	Common Pipistrelle
13/05/2022	23	27:55.6	Common Pipistrelle
13/05/2022	0	13:00.1	Common Pipistrelle
13/05/2022	23	54:26.1	Common Pipistrelle
13/05/2022	4	41:36.6	Common Pipistrelle
13/05/2022	21	25:05.8	Common Pipistrelle
13/05/2022	4	11:00.7	Common Pipistrelle
13/05/2022	23	02:47.3	Common Pipistrelle
13/05/2022	4	15:04.3	Common Pipistrelle
13/05/2022	22	56:29.4	Common Pipistrelle
13/05/2022	23	28:11.0	Common Pipistrelle
13/05/2022	23	02:01.9	Common Pipistrelle
13/05/2022	0	16:20.7	Common Pipistrelle
13/05/2022	22	56:47.6	Common Pipistrelle
13/05/2022	2	15:39.7	Common Pipistrelle
13/05/2022	22	59:59.2	Common Pipistrelle
13/05/2022	22	59:44.1	Common Pipistrelle
13/05/2022	0	15:10.5	Common Pipistrelle
13/05/2022	4	04:02.0	Common Pipistrelle
13/05/2022	21	48:29.6	Common Pipistrelle
13/05/2022	4	35:14.9	Common Pipistrelle
13/05/2022	4	35:25.2	Common Pipistrelle
13/05/2022	23	12:49.6	Common Pipistrelle
13/05/2022	23	03:17.9	Common Pipistrelle
13/05/2022	23	00:13.9	Common Pipistrelle
13/05/2022	23	51:17.1	Common Pipistrelle

13/05/2022	23	02:32.1	Common Pipistrelle
13/05/2022	23	55:50.2	Common Pipistrelle
13/05/2022	23	03:02.3	Common Pipistrelle
13/05/2022	23	03:56.9	Common Pipistrelle
13/05/2022	23	09:42.9	Common Pipistrelle
13/05/2022	23	27:40.5	Common Pipistrelle
13/05/2022	23	08:03.8	Common Pipistrelle
13/05/2022	22	54:54.8	Common Pipistrelle
13/05/2022	23	44:48.6	Common Pipistrelle
13/05/2022	4	12:09.1	Common Pipistrelle
13/05/2022	4	56:57.5	Soprano Pipistrelle
13/05/2022	4	55:56.6	Soprano Pipistrelle
13/05/2022	1	33:32.3	Soprano Pipistrelle
13/05/2022	2	11:44.4	Soprano Pipistrelle
14/05/2022	4	40:52.6	Noctule
14/05/2022	4	37:37.4	Noctule
14/05/2022	4	35:48.0	Noctule
14/05/2022	4	41:36.3	Noctule
14/05/2022	2	11:57.5	Common Pipistrelle
14/05/2022	2	31:20.6	Common Pipistrelle
14/05/2022	0	12:09.7	Common Pipistrelle
14/05/2022	21	51:23.1	Common Pipistrelle
14/05/2022	0	59:38.5	Common Pipistrelle
14/05/2022	0	13:34.9	Common Pipistrelle
14/05/2022	23	15:09.7	Common Pipistrelle
14/05/2022	22	40:24.9	Common Pipistrelle
14/05/2022	3	57:37.7	Common Pipistrelle
14/05/2022	0	12:30.3	Common Pipistrelle
14/05/2022	0	28:49.5	Common Pipistrelle
14/05/2022	0	12:45.4	Common Pipistrelle
14/05/2022	23	06:23.3	Common Pipistrelle
14/05/2022	1	33:01.3	Common Pipistrelle
14/05/2022	1	36:00.5	Common Pipistrelle
14/05/2022	22	40:29.6	Common Pipistrelle
14/05/2022	21	25:20.1	Common Pipistrelle
14/05/2022	0	13:49.9	Common Pipistrelle
14/05/2022	1	52:36.0	Common Pipistrelle
14/05/2022	22	58:52.6	Common Pipistrelle
14/05/2022	3	31:46.7	Common Pipistrelle
14/05/2022	21	51:28.3	Common Pipistrelle
14/05/2022	23	54:55.6	Common Pipistrelle
14/05/2022	22	12:40.4	Soprano Pipistrelle
14/05/2022	4	43:15.8	Soprano Pipistrelle
14/05/2022	22	12:42.9	Soprano Pipistrelle
14/05/2022	22	12:37.1	Soprano Pipistrelle

14/05/2022	4	29:53.9	Soprano Pipistrelle
14/05/2022	23	37:28.5	Soprano Pipistrelle
14/05/2022	2	42:32.0	Soprano Pipistrelle
14/05/2022	4	37:19.7	Soprano Pipistrelle
14/05/2022	0	27:32.7	Soprano Pipistrelle
14/05/2022	3	00:08.7	Soprano Pipistrelle
14/05/2022	23	26:26.5	Soprano Pipistrelle
14/05/2022	4	38:07.4	Soprano Pipistrelle
14/05/2022	22	08:38.0	Soprano Pipistrelle
14/05/2022	2	09:25.1	Soprano Pipistrelle
15/05/2022	4	40:28.2	Common Pipistrelle
15/05/2022	0	27:19.2	Common Pipistrelle
15/05/2022	0	14:01.1	Common Pipistrelle
15/05/2022	2	23:28.6	Common Pipistrelle
15/05/2022	3	08:19.9	Common Pipistrelle
15/05/2022	3	30:02.0	Common Pipistrelle
15/05/2022	4	03:23.4	Common Pipistrelle
15/05/2022	1	35:28.2	Common Pipistrelle
15/05/2022	4	15:24.3	Common Pipistrelle
15/05/2022	4	23:51.3	Common Pipistrelle
15/05/2022	4	34:47.9	Common Pipistrelle
15/05/2022	4	13:15.4	Common Pipistrelle
15/05/2022	5	04:07.4	Soprano Pipistrelle
15/05/2022	1	11:42.5	Soprano Pipistrelle
15/05/2022	4	38:07.3	Soprano Pipistrelle
15/05/2022	1	22:21.4	Soprano Pipistrelle
15/05/2022	5	03:49.5	Soprano Pipistrelle
15/05/2022	4	48:01.4	Soprano Pipistrelle
15/05/2022	0	13:18.1	Soprano Pipistrelle
15/05/2022	4	41:48.5	Soprano Pipistrelle
15/05/2022	1	41:09.7	Soprano Pipistrelle
15/05/2022	5	07:01.1	Soprano Pipistrelle
15/05/2022	1	00:47.4	Brown Long-eared

Woodland Corridor

Sunrise 05.35hrs Sunset 20.53hrs (approximate times for survey period)

Date	Hour	Minutes	Species
08/05/2022	21	50:08.7	Noctule
08/05/2022	22	14:19.4	Noctule
08/05/2022	21	16:36.0	Common Pipistrelle
08/05/2022	21	39:31.5	Common Pipistrelle
08/05/2022	23	19:33.0	Common Pipistrelle
08/05/2022	23	30:43.3	Common Pipistrelle
08/05/2022	23	47:54.3	Common Pipistrelle

08/05/2022	23	57:17.7	Common Pipistrelle
08/05/2022	23	48:09.6	Common Pipistrelle
08/05/2022	23	23:01.4	Common Pipistrelle
08/05/2022	23	59:21.2	Common Pipistrelle
08/05/2022	23	30:33.7	Common Pipistrelle
08/05/2022	22	24:53.0	Common Pipistrelle
08/05/2022	23	53:00.3	Common Pipistrelle
08/05/2022	23	50:29.3	Common Pipistrelle
08/05/2022	23	51:59.4	Common Pipistrelle
08/05/2022	23	29:13.5	Common Pipistrelle
08/05/2022	23	48:24.7	Common Pipistrelle
08/05/2022	23	52:44.8	Common Pipistrelle
08/05/2022	23	57:52.9	Common Pipistrelle
08/05/2022	23	53:15.3	Common Pipistrelle
08/05/2022	23	46:15.2	Common Pipistrelle
08/05/2022	21	18:22.2	Common Pipistrelle
08/05/2022	22	44:21.5	Common Pipistrelle
08/05/2022	23	58:44.9	Common Pipistrelle
08/05/2022	23	59:47.9	Common Pipistrelle
08/05/2022	23	51:44.5	Common Pipistrelle
08/05/2022	21	37:51.8	Common Pipistrelle
08/05/2022	23	47:42.6	Common Pipistrelle
08/05/2022	23	58:56.8	Common Pipistrelle
08/05/2022	23	47:23.5	Common Pipistrelle
08/05/2022	23	46:01.7	Common Pipistrelle
08/05/2022	23	57:42.7	Common Pipistrelle
08/05/2022	23	59:10.4	Common Pipistrelle
08/05/2022	23	20:22.3	Common Pipistrelle
08/05/2022	23	59:38.1	Common Pipistrelle
08/05/2022	23	45:42.9	Common Pipistrelle
08/05/2022	21	14:49.7	Soprano Pipistrelle
08/05/2022	22	44:14.1	Soprano Pipistrelle
08/05/2022	22	26:20.5	Soprano Pipistrelle
08/05/2022	22	04:33.6	Soprano Pipistrelle
08/05/2022	23	44:12.2	Soprano Pipistrelle
08/05/2022	21	49:28.1	Soprano Pipistrelle
08/05/2022	21	14:08.3	Soprano Pipistrelle
08/05/2022	23	07:22.0	Soprano Pipistrelle
08/05/2022	23	13:36.0	Soprano Pipistrelle
09/05/2022	1	28:40.2	Noctule
09/05/2022	4	58:46.2	Common Pipistrelle
09/05/2022	0	06:31.8	Common Pipistrelle
09/05/2022	0	13:38.3	Common Pipistrelle
09/05/2022	4	52:13.1	Common Pipistrelle
09/05/2022	0	23:20.0	Common Pipistrelle

09/05/2022	0	03:03.3	Common Pipistrelle
09/05/2022	4	59:06.6	Common Pipistrelle
09/05/2022	1	51:01.8	Common Pipistrelle
09/05/2022	4	58:18.1	Common Pipistrelle
09/05/2022	2	45:03.0	Common Pipistrelle
09/05/2022	23	52:10.0	Common Pipistrelle
09/05/2022	2	26:03.1	Common Pipistrelle
09/05/2022	4	32:18.4	Common Pipistrelle
09/05/2022	1	22:32.5	Common Pipistrelle
09/05/2022	0	49:53.9	Common Pipistrelle
09/05/2022	4	50:47.0	Common Pipistrelle
09/05/2022	0	33:08.5	Common Pipistrelle
09/05/2022	0	13:27.5	Common Pipistrelle
09/05/2022	0	33:51.6	Common Pipistrelle
09/05/2022	0	06:46.9	Common Pipistrelle
09/05/2022	4	47:18.4	Common Pipistrelle
09/05/2022	4	49:04.7	Common Pipistrelle
09/05/2022	0	05:46.7	Common Pipistrelle
09/05/2022	4	52:05.3	Common Pipistrelle
09/05/2022	4	43:35.0	Common Pipistrelle
09/05/2022	4	51:33.4	Common Pipistrelle
09/05/2022	4	51:23.6	Common Pipistrelle
09/05/2022	0	03:26.8	Common Pipistrelle
09/05/2022	0	28:17.4	Common Pipistrelle
09/05/2022	1	10:08.6	Common Pipistrelle
09/05/2022	21	56:24.5	Common Pipistrelle
09/05/2022	2	52:32.8	Common Pipistrelle
09/05/2022	3	07:15.1	Common Pipistrelle
09/05/2022	1	56:22.7	Common Pipistrelle
09/05/2022	0	03:18.4	Common Pipistrelle
09/05/2022	21	32:39.4	Soprano Pipistrelle
09/05/2022	5	05:01.9	Soprano Pipistrelle
09/05/2022	4	48:00.9	Soprano Pipistrelle
09/05/2022	4	42:59.6	Soprano Pipistrelle
09/05/2022	0	43:21.4	Soprano Pipistrelle
09/05/2022	0	22:16.9	Soprano Pipistrelle
09/05/2022	4	53:39.6	Soprano Pipistrelle
09/05/2022	5	00:32.6	Soprano Pipistrelle
10/05/2022	5	52:37.4	Noctule
10/05/2022	3	29:46.8	Common Pipistrelle
10/05/2022	4	25:35.8	Common Pipistrelle
10/05/2022	4	11:28.3	Common Pipistrelle
10/05/2022	4	43:29.2	Common Pipistrelle
10/05/2022	23	33:27.6	Common Pipistrelle
10/05/2022	3	45:23.9	Common Pipistrelle

10/05/2022	4	56:25.0	Common Pipistrelle
10/05/2022	22	31:18.8	Common Pipistrelle
10/05/2022	0	12:11.2	Common Pipistrelle
10/05/2022	5	01:20.4	Common Pipistrelle
10/05/2022	2	29:18.6	Common Pipistrelle
10/05/2022	4	09:54.0	Common Pipistrelle
10/05/2022	3	27:58.1	Common Pipistrelle
10/05/2022	23	53:44.9	Common Pipistrelle
10/05/2022	2	20:55.6	Common Pipistrelle
10/05/2022	21	22:53.2	Common Pipistrelle
10/05/2022	22	47:09.3	Common Pipistrelle
10/05/2022	5	09:14.8	Soprano Pipistrelle
10/05/2022	21	18:12.9	Soprano Pipistrelle
10/05/2022	5	08:53.6	Soprano Pipistrelle
10/05/2022	5	03:51.5	Soprano Pipistrelle
10/05/2022	21	26:20.9	Soprano Pipistrelle
10/05/2022	21	28:49.1	Soprano Pipistrelle
10/05/2022	5	07:38.9	Soprano Pipistrelle
10/05/2022	21	22:34.0	Soprano Pipistrelle
10/05/2022	23	56:43.9	Lesser Horseshoe
11/05/2022	21	34:24.6	Common Pipistrelle
11/05/2022	4	29:35.0	Common Pipistrelle
11/05/2022	4	40:09.1	Common Pipistrelle
11/05/2022	22	45:36.6	Common Pipistrelle
11/05/2022	21	34:07.3	Soprano Pipistrelle
11/05/2022	22	35:20.3	Soprano Pipistrelle
11/05/2022	0	19:30.8	Soprano Pipistrelle
11/05/2022	5	13:33.9	Soprano Pipistrelle
11/05/2022	22	42:20.6	Greater Horseshoe
11/05/2022	21	49:53.4	Greater Horseshoe
12/05/2022	4	05:24.1	Common Pipistrelle
12/05/2022	1	00:22.1	Common Pipistrelle
12/05/2022	4	43:05.4	Common Pipistrelle
12/05/2022	4	29:07.9	Common Pipistrelle
12/05/2022	21	17:45.6	Common Pipistrelle
12/05/2022	21	16:25.3	Common Pipistrelle
12/05/2022	21	16:09.7	Common Pipistrelle
12/05/2022	2	51:08.7	Common Pipistrelle
12/05/2022	21	16:41.9	Common Pipistrelle
12/05/2022	21	17:17.5	Common Pipistrelle
12/05/2022	21	17:29.7	Common Pipistrelle
12/05/2022	21	15:52.6	Common Pipistrelle
12/05/2022	23	46:52.2	Common Pipistrelle
12/05/2022	0	06:06.5	Common Pipistrelle

12/05/2022	21	16:57.7	Common Pipistrelle
12/05/2022	23	47:50.0	Common Pipistrelle
12/05/2022	21	17:06.4	Common Pipistrelle
12/05/2022	22	42:40.3	Common Pipistrelle
12/05/2022	3	22:40.3	Common Pipistrelle
12/05/2022	4	41:12.8	Common Pipistrelle
12/05/2022	21	18:16.5	Common Pipistrelle
12/05/2022	4	26:27.9	Common Pipistrelle
12/05/2022	23	01:53.5	Soprano Pipistrelle
12/05/2022	21	25:27.3	Soprano Pipistrelle
12/05/2022	21	30:32.3	Soprano Pipistrelle
13/05/2022	5	37:44.8	Noctule
13/05/2022	21	26:48.2	Common Pipistrelle
13/05/2022	21	49:46.3	Common Pipistrelle
13/05/2022	21	51:05.7	Common Pipistrelle
13/05/2022	21	31:18.9	Common Pipistrelle
13/05/2022	4	15:14.2	Common Pipistrelle
13/05/2022	23	28:34.9	Common Pipistrelle
13/05/2022	21	56:34.7	Common Pipistrelle
13/05/2022	4	35:07.4	Common Pipistrelle
13/05/2022	23	55:20.8	Common Pipistrelle
13/05/2022	23	09:22.1	Common Pipistrelle
13/05/2022	21	26:20.8	Common Pipistrelle
13/05/2022	4	35:19.8	Common Pipistrelle
13/05/2022	0	12:53.7	Common Pipistrelle
13/05/2022	21	38:04.6	Common Pipistrelle
13/05/2022	22	56:30.1	Common Pipistrelle
13/05/2022	4	50:48.6	Common Pipistrelle
13/05/2022	4	11:04.1	Common Pipistrelle
13/05/2022	23	43:57.1	Common Pipistrelle
13/05/2022	21	23:33.4	Soprano Pipistrelle
13/05/2022	23	02:54.9	Soprano Pipistrelle
13/05/2022	2	11:54.9	Soprano Pipistrelle
13/05/2022	4	55:38.5	Soprano Pipistrelle
13/05/2022	4	46:57.2	Soprano Pipistrelle
13/05/2022	23	05:35.5	Soprano Pipistrelle
13/05/2022	23	51:13.4	Soprano Pipistrelle
14/05/2022	1	15:00.4	Noctule
14/05/2022	22	40:41.1	Common Pipistrelle
14/05/2022	0	14:26.7	Common Pipistrelle
14/05/2022	4	04:47:33	Common Pipistrelle
14/05/2022	0	08:52.2	Common Pipistrelle
14/05/2022	0	29:42.5	Common Pipistrelle
14/05/2022	0	27:27.6	Common Pipistrelle

14/05/2022	1	53:34.1	Common Pipistrelle
14/05/2022	3	36:23.8	Common Pipistrelle
14/05/2022	1	11:06.3	Common Pipistrelle
14/05/2022	23	34:48.6	Common Pipistrelle
14/05/2022	1	12:24.0	Common Pipistrelle
14/05/2022	1	22:50.3	Common Pipistrelle
14/05/2022	4	34:22.8	Common Pipistrelle
14/05/2022	21	25:33.1	Common Pipistrelle
14/05/2022	22	48:14.3	Common Pipistrelle
14/05/2022	1	51:37.3	Common Pipistrelle
14/05/2022	22	39:59.1	Common Pipistrelle
14/05/2022	22	46:22.1	Common Pipistrelle
14/05/2022	22	46:57.5	Common Pipistrelle
14/05/2022	3	36:13.3	Common Pipistrelle
14/05/2022	22	48:40.0	Common Pipistrelle
14/05/2022	0	33:55.7	Common Pipistrelle
14/05/2022	23	06:39.6	Common Pipistrelle
14/05/2022	3	35:37.4	Common Pipistrelle
14/05/2022	2	03:37.6	Common Pipistrelle
14/05/2022	22	47:56.6	Common Pipistrelle
14/05/2022	1	23:05.4	Common Pipistrelle
14/05/2022	1	42:40.8	Soprano Pipistrelle
14/05/2022	1	43:12.2	Soprano Pipistrelle
14/05/2022	4	53:01.4	Soprano Pipistrelle
14/05/2022	1	42:55.8	Soprano Pipistrelle
14/05/2022	5	02:53.2	Soprano Pipistrelle
14/05/2022	2	17:00.6	Soprano Pipistrelle
14/05/2022	2	06:53.1	Soprano Pipistrelle
14/05/2022	5	02:10.8	Soprano Pipistrelle
14/05/2022	0	32:53.6	Soprano Pipistrelle
14/05/2022	1	35:35.5	Soprano Pipistrelle
14/05/2022	0	19:39.6	Soprano Pipistrelle
14/05/2022	3	14:23.0	Soprano Pipistrelle
14/05/2022	0	58:19.4	Soprano Pipistrelle
14/05/2022	4	30:17.5	Soprano Pipistrelle
14/05/2022	4	37:06.9	Soprano Pipistrelle
14/05/2022	2	13:08.6	Soprano Pipistrelle
14/05/2022	4	04:41:35	Soprano Pipistrelle
15/05/2022	21	31:52.6	Noctule
15/05/2022	23	18:37.4	Common Pipistrelle
15/05/2022	21	46:49.5	Common Pipistrelle
15/05/2022	21	47:18.3	Common Pipistrelle
15/05/2022	3	30:24.5	Common Pipistrelle
15/05/2022	4	15:43.0	Common Pipistrelle
15/05/2022	23	44:21.0	Common Pipistrelle

15/05/2022	23	44:36.2	Common Pipistrelle
15/05/2022	0	27:35.0	Common Pipistrelle
15/05/2022	21	51:32.8	Common Pipistrelle
15/05/2022	1	35:44.2	Common Pipistrelle
15/05/2022	3	45:46.5	Common Pipistrelle
15/05/2022	23	19:13.2	Common Pipistrelle
15/05/2022	23	19:29.2	Common Pipistrelle
15/05/2022	4	13:28.5	Common Pipistrelle
15/05/2022	2	00:36.5	Common Pipistrelle
15/05/2022	21	46:34.2	Common Pipistrelle
15/05/2022	4	20:30.0	Common Pipistrelle
15/05/2022	22	13:00.0	Common Pipistrelle
15/05/2022	3	42:52.1	Common Pipistrelle
15/05/2022	23	13:34.0	Common Pipistrelle
15/05/2022	3	23:31.9	Common Pipistrelle
15/05/2022	23	35:05.6	Common Pipistrelle
15/05/2022	21	47:04.8	Common Pipistrelle
15/05/2022	23	13:49.0	Common Pipistrelle
15/05/2022	21	22:04.3	Common Pipistrelle
15/05/2022	4	40:23.3	Common Pipistrelle
15/05/2022	5	01:49.3	Soprano Pipistrelle
15/05/2022	0	58:03.7	Soprano Pipistrelle
15/05/2022	4	41:02.4	Soprano Pipistrelle
15/05/2022	4	06:55.2	Soprano Pipistrelle
15/05/2022	4	23:09.6	Soprano Pipistrelle
15/05/2022	21	42:24.8	Soprano Pipistrelle
15/05/2022	1	01:01.4	Soprano Pipistrelle
15/05/2022	0	47:46.0	Greater Horseshoe
16/05/2022	4	55:20.6	Common Pipistrelle
16/05/2022	3	48:50.5	Common Pipistrelle
16/05/2022	0	14:20.5	Common Pipistrelle
16/05/2022	2	24:53.1	Common Pipistrelle
16/05/2022	2	47:36.8	Common Pipistrelle
16/05/2022	3	01:18.3	Common Pipistrelle
16/05/2022	3	31:55.7	Common Pipistrelle
16/05/2022	3	30:24.7	Common Pipistrelle
16/05/2022	2	55:00.0	Common Pipistrelle
16/05/2022	4	19:54.3	Common Pipistrelle
16/05/2022	0	13:42.6	Common Pipistrelle
16/05/2022	1	33:01.6	Common Pipistrelle
16/05/2022	4	50:30.5	Common Pipistrelle
16/05/2022	2	54:49.4	Common Pipistrelle
16/05/2022	0	54:22.6	Common Pipistrelle
16/05/2022	2	13:24.6	Common Pipistrelle
16/05/2022	0	15:20.8	Soprano Pipistrelle

June

Cabin

Sunrise 04.57hrs Sunset 21.41hrs (approximate times for survey period)

Date	Hour	Minutes	Species
17/06/2022	22	43:13.8	Noctule
17/06/2022	22	27:30.5	Noctule
17/06/2022	22	27:14.9	Noctule
17/06/2022	22	43:29.0	Noctule
17/06/2022	22	32:55.5	Noctule
17/06/2022	22	53:02.5	Noctule
17/06/2022	22	12:04.8	Noctule
17/06/2022	22	32:28.6	Noctule
17/06/2022	23	30:05.3	Common Pipistrelle
17/06/2022	22	40:36.2	Common Pipistrelle
17/06/2022	22	27:55.9	Common Pipistrelle
17/06/2022	22	31:30.6	Common Pipistrelle
17/06/2022	22	56:20.3	Common Pipistrelle
17/06/2022	23	08:54.2	Common Pipistrelle
17/06/2022	23	27:58.2	Common Pipistrelle
17/06/2022	23	18:13.9	Common Pipistrelle
17/06/2022	22	51:23.1	Common Pipistrelle
17/06/2022	22	38:31.8	Common Pipistrelle
17/06/2022	22	40:51.5	Common Pipistrelle
17/06/2022	23	46:12.1	Common Pipistrelle
17/06/2022	23	46:37.8	Common Pipistrelle
17/06/2022	22	29:05.4	Common Pipistrelle
17/06/2022	22	38:41.7	Common Pipistrelle
17/06/2022	23	46:26.0	Common Pipistrelle
17/06/2022	21	42:57.5	Common Pipistrelle
17/06/2022	23	10:08.8	Soprano Pipistrelle
17/06/2022	22	29:30.5	Soprano Pipistrelle
17/06/2022	23	41:36.2	Soprano Pipistrelle
17/06/2022	22	35:57.9	Soprano Pipistrelle
17/06/2022	22	33:50.4	Soprano Pipistrelle
18/06/2022	0	04:15.5	Common Pipistrelle
18/06/2022	0	06:13.3	Common Pipistrelle
18/06/2022	23	12:51.8	Common Pipistrelle
18/06/2022	1	28:40.5	Common Pipistrelle
18/06/2022	22	28:50.0	Common Pipistrelle
18/06/2022	3	52:58.8	Common Pipistrelle
18/06/2022	0	53:53.1	Soprano Pipistrelle
18/06/2022	22	25:13.1	Soprano Pipistrelle
19/06/2022	4	25:09.3	Noctule

19/06/2022	4	03:38.4	Noctule
19/06/2022	23	38:05.0	Common Pipistrelle
19/06/2022	23	56:56.5	Common Pipistrelle
19/06/2022	22	04:51.0	Common Pipistrelle
19/06/2022	3	16:34.4	Common Pipistrelle
19/06/2022	22	04:53.0	Common Pipistrelle
19/06/2022	23	52:18.8	Soprano Pipistrelle
20/06/2022	3	59:04.4	Noctule
20/06/2022	4	05:33.7	Noctule
20/06/2022	4	04:50.6	Noctule
20/06/2022	3	57:00.7	Common Pipistrelle
20/06/2022	3	31:56.1	Common Pipistrelle
20/06/2022	0	38:48.2	Common Pipistrelle
20/06/2022	2	42:01.4	Common Pipistrelle
20/06/2022	4	28:04.0	Common Pipistrelle
20/06/2022	3	29:32.4	Common Pipistrelle
20/06/2022	22	20:24.8	Common Pipistrelle
20/06/2022	3	56:17.0	Common Pipistrelle
20/06/2022	4	17:51.8	Common Pipistrelle
20/06/2022	3	55:14.3	Common Pipistrelle
20/06/2022	4	00:46.6	Common Pipistrelle
20/06/2022	22	04:06.0	Common Pipistrelle
20/06/2022	4	10:17.2	Common Pipistrelle
20/06/2022	1	41:24.3	Common Pipistrelle
20/06/2022	4	10:32.2	Common Pipistrelle
20/06/2022	4	26:14.0	Soprano Pipistrelle
20/06/2022	1	52:46.6	Soprano Pipistrelle
20/06/2022	4	02:22.5	Soprano Pipistrelle
20/06/2022	4	17:17.2	Soprano Pipistrelle
20/06/2022	4	27:41.6	Soprano Pipistrelle
20/06/2022	0	54:13.7	Soprano Pipistrelle
21/06/2022	0	29:42.2	Common Pipistrelle
21/06/2022	23	32:50.7	Common Pipistrelle
21/06/2022	0	02:31.6	Common Pipistrelle
21/06/2022	0	35:42.5	Common Pipistrelle
21/06/2022	23	33:05.8	Common Pipistrelle
21/06/2022	0	11:46.3	Common Pipistrelle
21/06/2022	0	11:47.3	Common Pipistrelle
21/06/2022	0	02:35.6	Common Pipistrelle
21/06/2022	2	51:17.8	Soprano Pipistrelle
21/06/2022	1	29:48.7	Soprano Pipistrelle
21/06/2022	23	27:38.4	Soprano Pipistrelle
21/06/2022	22	20:43.5	Soprano Pipistrelle

22/06/2022	4	20:53.0	Common Pipistrelle
22/06/2022	4	15:00.6	Soprano Pipistrelle
22/06/2022	4	15:02.3	Soprano Pipistrelle
22/06/2022	4	15:46.4	Soprano Pipistrelle
23/06/2022	22	21:06.5	Noctule
23/06/2022	22	22:20:42	Noctule
23/06/2022	22	50:24.2	Noctule
23/06/2022	22	36:23.2	Noctule
23/06/2022	4	15:41.6	Noctule
23/06/2022	4	13:03.5	Noctule
23/06/2022	4	13:37.0	Noctule
23/06/2022	22	27:34.9	Noctule
23/06/2022	4	12:48.4	Noctule
23/06/2022	4	12:33.3	Noctule
23/06/2022	2	04:07.0	Common Pipistrelle
23/06/2022	22	35:35.5	Common Pipistrelle
23/06/2022	2	03:36.7	Common Pipistrelle
23/06/2022	2	03:53.9	Common Pipistrelle
23/06/2022	23	48:36.3	Common Pipistrelle
23/06/2022	1	37:39.8	Common Pipistrelle
23/06/2022	3	52:36.3	Common Pipistrelle
23/06/2022	23	19:53.6	Common Pipistrelle
23/06/2022	22	34:14.8	Common Pipistrelle
23/06/2022	21	59:14.7	Common Pipistrelle
23/06/2022	23	12:53.2	Soprano Pipistrelle
23/06/2022	23	59:11.1	Soprano Pipistrelle
23/06/2022	1	37:47.5	Soprano Pipistrelle
23/06/2022	4	21:15.2	Soprano Pipistrelle
23/06/2022	1	37:51.3	Soprano Pipistrelle
23/06/2022	1	09:19.6	Brown Long-eared
24/06/2022	4	15:04.1	Noctule
24/06/2022	2	55:52.1	Noctule
24/06/2022	0	43:30.4	Common Pipistrelle
24/06/2022	3	42:44.5	Common Pipistrelle
24/06/2022	0	33:43.2	Common Pipistrelle
24/06/2022	3	31:22.3	Common Pipistrelle
24/06/2022	4	34:05.6	Common Pipistrelle
24/06/2022	2	50:50.2	Common Pipistrelle
24/06/2022	0	43:38.2	Common Pipistrelle
24/06/2022	3	35:43.1	Common Pipistrelle
24/06/2022	3	59:31.1	Common Pipistrelle
24/06/2022	3	58:24.7	Common Pipistrelle
24/06/2022	1	29:31.7	Common Pipistrelle
24/06/2022	3	58:47.2	Common Pipistrelle

24/06/2022	4	08:36.7	Common Pipistrelle
24/06/2022	0	33:05.2	Common Pipistrelle
24/06/2022	4	24:34.4	Common Pipistrelle
24/06/2022	3	59:01.1	Common Pipistrelle
24/06/2022	2	04:04.6	Soprano Pipistrelle
24/06/2022	4	20:15.4	Soprano Pipistrelle
24/06/2022	3	53:40.5	Soprano Pipistrelle
24/06/2022	3	40:01.4	Soprano Pipistrelle
24/06/2022	4	01:13.8	Soprano Pipistrelle
24/06/2022	4	01:25.5	Soprano Pipistrelle
24/06/2022	3	32:36.8	Soprano Pipistrelle
24/06/2022	3	26:44.3	Soprano Pipistrelle
24/06/2022	3	29:06.9	Soprano Pipistrelle
24/06/2022	4	01:43.8	Soprano Pipistrelle
24/06/2022	3	40:28.9	Soprano Pipistrelle

Northern Section

Sunrise 04.57hrs Sunset 21.41hrs (approximate times for survey period)

Date	Hour	Minutes	Species
17/06/2022	22	32:43.6	Noctule
17/06/2022	22	27:12.8	Noctule
17/06/2022	23	45:46.6	Common Pipistrelle
17/06/2022	22	28:07.7	Common Pipistrelle
17/06/2022	22	38:16.7	Common Pipistrelle
17/06/2022	22	40:25.5	Common Pipistrelle
17/06/2022	23	45:59.1	Common Pipistrelle
17/06/2022	23	09:03.1	Common Pipistrelle
17/06/2022	22	56:31.4	Common Pipistrelle
17/06/2022	21	52:33.6	Common Pipistrelle
17/06/2022	22	50:47.6	Soprano Pipistrelle
18/06/2022	4	10:48.3	Noctule
18/06/2022	21	56:34.7	Common Pipistrelle
18/06/2022	0	56:09.0	Common Pipistrelle
18/06/2022	22	24:42.6	Soprano Pipistrelle
18/06/2022	22	28:03.4	Soprano Pipistrelle
18/06/2022	3	36:14.7	Soprano Pipistrelle
18/06/2022	22	30:11.7	Soprano Pipistrelle
18/06/2022	22	27:19.4	Soprano Pipistrelle
18/06/2022	4	26:57.5	Soprano Pipistrelle
18/06/2022	1	42:26.4	Soprano Pipistrelle
18/06/2022	3	47:34.9	Soprano Pipistrelle
18/06/2022	4	29:15.8	Soprano Pipistrelle
19/06/2022	22	19:51.8	Common Pipistrelle
19/06/2022	3	46:10.1	Common Pipistrelle

19/06/2022	22	21:29.4	Soprano Pipistrelle
19/06/2022	22	20:22.9	Soprano Pipistrelle
19/06/2022	22	25:26.1	Soprano Pipistrelle
19/06/2022	22	20:55.8	Soprano Pipistrelle
19/06/2022	22	22:48.7	Soprano Pipistrelle
19/06/2022	22	25:54.5	Soprano Pipistrelle
19/06/2022	22	23:19.0	Soprano Pipistrelle
19/06/2022	22	26:36.7	Soprano Pipistrelle
19/06/2022	22	23:27.7	Soprano Pipistrelle
19/06/2022	22	21:37.3	Soprano Pipistrelle
19/06/2022	22	23:41.7	Soprano Pipistrelle
19/06/2022	22	25:07.3	Soprano Pipistrelle
19/06/2022	22	22:17.9	Soprano Pipistrelle
19/06/2022	22	26:21.7	Soprano Pipistrelle
19/06/2022	22	20:38.9	Soprano Pipistrelle
19/06/2022	22	23:03.5	Soprano Pipistrelle
19/06/2022	22	25:19.2	Soprano Pipistrelle
19/06/2022	22	21:47.7	Soprano Pipistrelle
19/06/2022	22	21:11.7	Soprano Pipistrelle
19/06/2022	22	22:02.9	Soprano Pipistrelle
19/06/2022	22	27:24.4	Soprano Pipistrelle
19/06/2022	22	26:08.0	Soprano Pipistrelle
19/06/2022	22	25:38.1	Soprano Pipistrelle
19/06/2022	22	26:50.9	Soprano Pipistrelle
19/06/2022	22	27:12.2	Soprano Pipistrelle
19/06/2022	22	26:57.4	Soprano Pipistrelle
19/06/2022	22	27:06.1	Soprano Pipistrelle
19/06/2022	22	22:31.4	Soprano Pipistrelle
19/06/2022	22	21:22.1	Soprano Pipistrelle
19/06/2022	22	27:36.0	Soprano Pipistrelle
19/06/2022	22	23:50.5	Soprano Pipistrelle
20/06/2022	3	57:03.8	Soprano Pipistrelle
20/06/2022	22	16:48.1	Soprano Pipistrelle
20/06/2022	2	28:26.7	Soprano Pipistrelle
20/06/2022	22	20:24.1	Soprano Pipistrelle
20/06/2022	1	03:05.5	Soprano Pipistrelle
20/06/2022	1	20:39.0	Soprano Pipistrelle
20/06/2022	4	18:44.4	Soprano Pipistrelle
20/06/2022	4	26:13.6	Soprano Pipistrelle
20/06/2022	4	15:19.3	Soprano Pipistrelle
20/06/2022	22	34:38.3	Soprano Pipistrelle
20/06/2022	4	26:27.0	Soprano Pipistrelle
20/06/2022	4	26:33.7	Soprano Pipistrelle
20/06/2022	4	15:05.6	Soprano Pipistrelle
20/06/2022	22	34:47.6	Soprano Pipistrelle

20/06/2022	22	35:02.7	Soprano Pipistrelle
20/06/2022	3	42:06.3	Soprano Pipistrelle
20/06/2022	4	18:53.7	Soprano Pipistrelle
20/06/2022	4	27:49.2	Soprano Pipistrelle
20/06/2022	22	21:24.1	Soprano Pipistrelle
20/06/2022	22	20:15.1	Soprano Pipistrelle
20/06/2022	4	26:48.8	Soprano Pipistrelle
20/06/2022	4	27:23.0	Soprano Pipistrelle
20/06/2022	4	27:39.2	Soprano Pipistrelle
20/06/2022	2	08:46.9	Soprano Pipistrelle
20/06/2022	4	32:16.0	Soprano Pipistrelle
21/06/2022	22	21:08.6	Common Pipistrelle
21/06/2022	22	52:20.1	Common Pipistrelle
21/06/2022	0	54:58.0	Common Pipistrelle
21/06/2022	0	03:14.6	Common Pipistrelle
21/06/2022	23	17:34.5	Common Pipistrelle
21/06/2022	23	58:12.3	Common Pipistrelle
21/06/2022	22	04:22.2	Common Pipistrelle
21/06/2022	22	37:27.7	Common Pipistrelle
21/06/2022	22	44:51.7	Common Pipistrelle
21/06/2022	23	47:17.3	Soprano Pipistrelle
21/06/2022	23	55:21.4	Soprano Pipistrelle
22/06/2022	1	42:26.5	Noctule
22/06/2022	1	42:56.8	Noctule
22/06/2022	21	55:25.9	Noctule
22/06/2022	1	42:11.0	Noctule
22/06/2022	21	21:55:49	Noctule
22/06/2022	22	38:10.7	Noctule
22/06/2022	1	42:41.7	Noctule
22/06/2022	21	55:40.8	Noctule
22/06/2022	22	35:39.0	Noctule
22/06/2022	22	01:58.0	Common Pipistrelle
22/06/2022	23	54:32.1	Common Pipistrelle
22/06/2022	22	16:18.2	Common Pipistrelle
22/06/2022	21	56:49.2	Common Pipistrelle
22/06/2022	22	24:05.3	Soprano Pipistrelle
22/06/2022	4	15:47.2	Soprano Pipistrelle
22/06/2022	22	21:14.7	Soprano Pipistrelle
22/06/2022	23	12:18.1	Soprano Pipistrelle
22/06/2022	23	13:15.2	Soprano Pipistrelle
22/06/2022	23	34:25.6	Soprano Pipistrelle
23/06/2022	22	21:02.1	Noctule
23/06/2022	22	27:21.9	Noctule

23/06/2022	3	55:11.6	Noctule
23/06/2022	22	11:29.6	Common Pipistrelle
23/06/2022	1	57:17.1	Common Pipistrelle
23/06/2022	22	35:47.8	Common Pipistrelle
23/06/2022	1	23:17.7	Common Pipistrelle
23/06/2022	23	44:14.6	Common Pipistrelle
23/06/2022	1	39:31.6	Soprano Pipistrelle
23/06/2022	22	59:15.7	Soprano Pipistrelle
23/06/2022	22	26:29.5	Soprano Pipistrelle
23/06/2022	23	25:32.1	Soprano Pipistrelle
24/06/2022	22	11:39.0	Noctule
24/06/2022	4	34:18.9	Common Pipistrelle
24/06/2022	23	49:56.3	Common Pipistrelle
24/06/2022	3	53:59.4	Common Pipistrelle
24/06/2022	22	21:01.6	Common Pipistrelle
24/06/2022	23	00:16.5	Common Pipistrelle
24/06/2022	4	14:16.7	Soprano Pipistrelle
24/06/2022	4	27:06.4	Soprano Pipistrelle
24/06/2022	22	36:22.9	Soprano Pipistrelle
24/06/2022	22	48:35.9	Soprano Pipistrelle
25/06/2022	21	56:10.5	Noctule
25/06/2022	22	03:26.1	Noctule
25/06/2022	21	55:36.2	Noctule
25/06/2022	22	04:02.5	Noctule
25/06/2022	21	51:16.4	Common Pipistrelle
25/06/2022	23	02:34.1	Common Pipistrelle
25/06/2022	21	57:44.1	Common Pipistrelle
25/06/2022	0	22:17.3	Common Pipistrelle
25/06/2022	22	21:00.9	Soprano Pipistrelle
26/06/2022	4	13:57.6	Soprano Pipistrelle
26/06/2022	22	07:20.8	Soprano Pipistrelle
26/06/2022	22	35:02.3	Soprano Pipistrelle
26/06/2022	22	35:45.0	Soprano Pipistrelle
27/06/2022	4	35:26.3	Common Pipistrelle
27/06/2022	4	34:40.3	Common Pipistrelle
27/06/2022	4	36:10.2	Common Pipistrelle
27/06/2022	4	37:13.2	Common Pipistrelle
27/06/2022	4	34:25.0	Common Pipistrelle
27/06/2022	4	37:32.7	Common Pipistrelle
27/06/2022	4	38:59.0	Common Pipistrelle
27/06/2022	4	37:49.0	Common Pipistrelle
27/06/2022	4	38:19.2	Common Pipistrelle

27/06/2022	4	36:58.2	Common Pipistrelle
27/06/2022	4	33:37.4	Common Pipistrelle
27/06/2022	4	35:55.0	Common Pipistrelle
27/06/2022	4	38:43.3	Common Pipistrelle
27/06/2022	4	35:07.4	Common Pipistrelle
27/06/2022	4	39:31.2	Common Pipistrelle
27/06/2022	4	38:04.1	Common Pipistrelle
27/06/2022	0	57:19.3	Common Pipistrelle
27/06/2022	4	33:21.4	Common Pipistrelle
27/06/2022	4	34:55.8	Common Pipistrelle
27/06/2022	4	36:39.7	Soprano Pipistrelle
27/06/2022	4	39:55.5	Soprano Pipistrelle
27/06/2022	3	23:25.0	Soprano Pipistrelle
27/06/2022	0	24:04.5	Soprano Pipistrelle

August / September

Cabin

Sunrise 06.30hrs Sunset 19.50hrs (approximate times for survey period)

Date	Hour	Minutes	Species
25/08/2022	21	20:35.1	Common Pipistrelle
26/08/2022	1	14:26.2	Noctule
26/08/2022	6	39:53.2	Noctule
27/08/2022	6	29:02.2	Noctule
27/08/2022	6	28:29.3	Noctule
27/08/2022	6	14:37.3	Noctule
28/08/2022	20	48:14.4	Noctule
28/08/2022	6	52:27.1	Noctule
28/08/2022	20	44:22.0	Common Pipistrelle
29/08/2022	6	50:28.2	Noctule
29/08/2022	6	10:24.2	Noctule
29/08/2022	6	49:08.3	Noctule
29/08/2022	6	10:42.3	Noctule
29/08/2022	6	52:33.3	Noctule
29/08/2022	6	49:41.0	Noctule
29/08/2022	6	37:54.9	Noctule
29/08/2022	6	30:17.2	Noctule
29/08/2022	6	50:44.4	Noctule
29/08/2022	2	00:04.8	Noctule
30/08/2022	21	31:33.1	Barbastelle
30/08/2022	6	40:45.7	Noctule
30/08/2022	6	41:02.5	Noctule
30/08/2022	6	04:46.3	Noctule

30/08/2022	6	05:09.8	Noctule
30/08/2022	6	05:04.0	Noctule
30/08/2022	5	48:45.7	Noctule
30/08/2022	6	06:20.0	Noctule
30/08/2022	6	06:13.8	Noctule
30/08/2022	22	04:55.0	Common Pipistrelle
01/09/2022	6	30:14.2	Noctule
01/09/2022	6	29:20.1	Noctule
02/09/2022	6	23:13.5	Noctule
02/09/2022	6	23:31.0	Noctule
03/09/2022	6	34:46.9	Noctule
03/09/2022	6	35:03.7	Noctule
03/09/2022	6	35:09.4	Noctule
03/09/2022	6	35:40.8	Noctule
06/09/2022	6	29:01.3	Noctule
07/09/2022	6	53:00.5	Noctule
08/09/2022	19	57:29.3	Barbastelle
08/09/2022	19	56:13.3	Barbastelle
08/09/2022	19	57:11.6	Barbastelle
08/09/2022	19	56:41.1	Noctule
08/09/2022	19	55:25.0	Noctule
10/09/2022	6	49:00.9	Noctule

Woodland Boundary

Sunrise 06.30hrs Sunset 19.50hrs (approximate times for survey period)

Date	Hour	Minute	Species
25/08/2022	22	17:40.5	Noctule
25/08/2022	20	40:41.1	Common Pipistrelle
25/08/2022	21	20:52.6	Common Pipistrelle
25/08/2022	20	52:49.6	Soprano Pipistrelle
25/08/2022	20	37:41.4	Soprano Pipistrelle
25/08/2022	22	39:19.1	Soprano Pipistrelle
25/08/2022	22	23:43.8	Soprano Pipistrelle
25/08/2022	21	58:57.3	Soprano Pipistrelle
25/08/2022	21	53:25.1	Soprano Pipistrelle
25/08/2022	22	19:23.4	Soprano Pipistrelle
25/08/2022	23	49:11.3	Brown Long-eared
25/08/2022	22	58:31.6	Brown Long-eared
25/08/2022	22	56:51.3	Brown Long-eared
25/08/2022	22	24:44.6	Brown Long-eared

25/08/2022	22	38:30.7	Brown Long-eared
26/08/2022	23	07:41.1	Noctule
26/08/2022	21	51:54.8	Noctule
26/08/2022	21	52:30.1	Noctule
26/08/2022	22	32:11.8	Noctule
26/08/2022	22	15:34.3	Common Pipistrelle
26/08/2022	21	58:27.8	Common Pipistrelle
26/08/2022	23	38:42.9	Common Pipistrelle
26/08/2022	22	37:57.9	Soprano Pipistrelle
26/08/2022	22	55:51.2	Soprano Pipistrelle
26/08/2022	20	58:44.3	Soprano Pipistrelle
26/08/2022	21	25:22.9	Soprano Pipistrelle
26/08/2022	21	33:41.4	Soprano Pipistrelle
26/08/2022	23	39:18.0	Soprano Pipistrelle
26/08/2022	23	12:43.9	Brown Long-eared
27/08/2022	1	41:23.1	Natterer's
27/08/2022	21	58:51.6	Noctule
27/08/2022	21	47:41.5	Noctule
27/08/2022	21	40:15.0	Noctule
27/08/2022	22	27:18.7	Noctule
27/08/2022	21	39:45.5	Noctule
27/08/2022	20	29:57.7	Noctule
27/08/2022	0	47:41.3	Noctule
27/08/2022	23	22:32.6	Noctule
27/08/2022	23	57:07.6	Noctule
27/08/2022	21	39:54.7	Common Pipistrelle
27/08/2022	6	05:05.1	Common Pipistrelle
27/08/2022	4	46:21.2	Soprano Pipistrelle
27/08/2022	22	03:41.0	Soprano Pipistrelle
27/08/2022	22	18:48.4	Soprano Pipistrelle
27/08/2022	23	26:37.5	Soprano Pipistrelle
27/08/2022	22	02:38.6	Soprano Pipistrelle
27/08/2022	1	27:14.5	Brown Long-eared
27/08/2022	0	47:02.3	Brown Long-eared
27/08/2022	1	27:02.9	Brown Long-eared
27/08/2022	2	19:36.5	Brown Long-eared
27/08/2022	5	12:57.1	Brown Long-eared
28/08/2022	20	48:08.9	Noctule
28/08/2022	23	43:54.6	Noctule
28/08/2022	22	45:15.2	Noctule
28/08/2022	22	12:54.4	Noctule
28/08/2022	20	48:24.1	Noctule
28/08/2022	23	49:34.8	Noctule

28/08/2022	23	45:29.1	Noctule
28/08/2022	5	22:17.0	Noctule
28/08/2022	22	48:38.2	Noctule
28/08/2022	21	02:17.3	Common Pipistrelle
28/08/2022	20	25:13.3	Common Pipistrelle
28/08/2022	22	06:19.4	Soprano Pipistrelle
28/08/2022	23	16:50.4	Soprano Pipistrelle
28/08/2022	0	34:08.3	Soprano Pipistrelle
28/08/2022	20	27:25.7	Soprano Pipistrelle
28/08/2022	21	38:59.6	Soprano Pipistrelle
28/08/2022	20	40:55.2	Soprano Pipistrelle
28/08/2022	22	20:04.9	Soprano Pipistrelle
28/08/2022	21	17:47.5	Soprano Pipistrelle
28/08/2022	23	04:21.4	Brown Long-eared
28/08/2022	4	49:09.5	Brown Long-eared
28/08/2022	22	06:37.2	Brown Long-eared
28/08/2022	4	02:30.0	Brown Long-eared
29/08/2022	0	49:46.2	Natterer's
29/08/2022	0	07:29.7	Noctule
29/08/2022	22	35:02.5	Noctule
29/08/2022	21	27:44.5	Noctule
29/08/2022	5	05:17.42	Noctule
29/08/2022	20	26:07.2	Common Pipistrelle
29/08/2022	5	52:34.6	Common Pipistrelle
29/08/2022	0	24:55.1	Common Pipistrelle
29/08/2022	22	18:11.4	Common Pipistrelle
29/08/2022	2	45:42.3	Common Pipistrelle
29/08/2022	5	59:52.7	Soprano Pipistrelle
29/08/2022	20	29:44.2	Soprano Pipistrelle
29/08/2022	22	59:35.3	Soprano Pipistrelle
29/08/2022	21	26:09.6	Soprano Pipistrelle
29/08/2022	23	32:42.2	Soprano Pipistrelle
29/08/2022	21	43:19.6	Soprano Pipistrelle
29/08/2022	21	30:02.3	Soprano Pipistrelle
29/08/2022	20	50:48.2	Soprano Pipistrelle
29/08/2022	22	10:51.1	Brown Long-eared
29/08/2022	22	16:51.3	Brown Long-eared
29/08/2022	4	29:15.1	Brown Long-eared
29/08/2022	2	13:07.9	Greater Horseshoe
30/08/2022	0	09:23.7	Noctule
30/08/2022	21	01:37.6	Common Pipistrelle
30/08/2022	20	27:46.6	Common Pipistrelle
30/08/2022	6	03:49.4	Common Pipistrelle
30/08/2022	22	43:38.4	Common Pipistrelle

30/08/2022	0	50:54.5	Common Pipistrelle
30/08/2022	20	12:41.0	Common Pipistrelle
30/08/2022	3	13:56.1	Common Pipistrelle
30/08/2022	20	35:26.6	Soprano Pipistrelle
30/08/2022	22	58:20.0	Soprano Pipistrelle
30/08/2022	22	01:51.1	Soprano Pipistrelle
30/08/2022	21	57:15.1	Soprano Pipistrelle
30/08/2022	20	51:20.0	Soprano Pipistrelle
30/08/2022	20	31:13.4	Soprano Pipistrelle
30/08/2022	22	01:33.6	Soprano Pipistrelle
30/08/2022	23	39:22.1	Soprano Pipistrelle
30/08/2022	0	41:54.7	Greater Horseshoe
31/08/2022	23	46:23.3	Natterer's
31/08/2022	21	46:23.7	Noctule
31/08/2022	5	42:15.3	Noctule
31/08/2022	5	05:59:53	Common Pipistrelle
31/08/2022	6	09:50.7	Common Pipistrelle
31/08/2022	20	23:11.5	Common Pipistrelle
31/08/2022	1	56:26.2	Common Pipistrelle
31/08/2022	6	09:42.1	Common Pipistrelle
31/08/2022	20	50:53.8	Soprano Pipistrelle
31/08/2022	0	51:03.3	Soprano Pipistrelle
31/08/2022	5	47:10.3	Soprano Pipistrelle
31/08/2022	20	29:13.9	Soprano Pipistrelle
31/08/2022	23	50:34.7	Soprano Pipistrelle
31/08/2022	20	45:17.2	Soprano Pipistrelle
31/08/2022	6	07:21.2	Soprano Pipistrelle
31/08/2022	5	53:25.4	Soprano Pipistrelle
01/09/2022	23	46:23.3	Natterer's
01/09/2022	23	46:23.3	Noctule
01/09/2022	23	20:51.9	Noctule
01/09/2022	20	51:43.6	Noctule
01/09/2022	20	47:05.4	Noctule
01/09/2022	21	19:45.8	Noctule
01/09/2022	0	22:28.3	Common Pipistrelle
01/09/2022	20	15:30.3	Common Pipistrelle
01/09/2022	6	05:33.2	Soprano Pipistrelle
01/09/2022	22	48:33.7	Soprano Pipistrelle
01/09/2022	23	17:58.4	Soprano Pipistrelle
01/09/2022	4	43:32.3	Soprano Pipistrelle
01/09/2022	22	28:11.3	Soprano Pipistrelle
01/09/2022	23	32:27.7	Soprano Pipistrelle
01/09/2022	22	59:38.5	Soprano Pipistrelle
01/09/2022	22	57:04.0	Soprano Pipistrelle

01/09/2022	1	24:02.9	Brown Long-eared
02/09/2022	4	44:31.1	Barbastelle
02/09/2022	20	36:28.1	Noctule
02/09/2022	21	10:59.4	Noctule
02/09/2022	20	27:18.5	Noctule
02/09/2022	2	52:44.5	Noctule
02/09/2022	1	43:01.8	Noctule
02/09/2022	0	50:14.1	Noctule
02/09/2022	21	48:14.9	Noctule
02/09/2022	21	57:23.1	Noctule
02/09/2022	5	55:27.8	Common Pipistrelle
02/09/2022	20	16:43.3	Common Pipistrelle
02/09/2022	21	32:29.4	Common Pipistrelle
02/09/2022	22	47:41.4	Common Pipistrelle
02/09/2022	20	31:20.0	Soprano Pipistrelle
02/09/2022	22	55:48.6	Soprano Pipistrelle
02/09/2022	0	20:45.6	Soprano Pipistrelle
02/09/2022	20	24:44.2	Soprano Pipistrelle
02/09/2022	23	05:33.5	Soprano Pipistrelle
02/09/2022	22	10:59.5	Soprano Pipistrelle
02/09/2022	1	27:39.4	Soprano Pipistrelle
02/09/2022	0	07:16.1	Soprano Pipistrelle
02/09/2022	22	39:50.2	Soprano Pipistrelle
02/09/2022	0	29:35.1	Soprano Pipistrelle
02/09/2022	20	22:00.3	Soprano Pipistrelle
02/09/2022	0	36:14.3	Soprano Pipistrelle
02/09/2022	20	22:28.9	Soprano Pipistrelle
02/09/2022	23	06:09.9	Soprano Pipistrelle
02/09/2022	23	27:49.6	Brown Long-eared
02/09/2022	0	12:31.7	Brown Long-eared
03/09/2022	3	43:59.4	Noctule
03/09/2022	2	37:07.9	Common Pipistrelle
03/09/2022	6	21:13.2	Common Pipistrelle
03/09/2022	6	18:26.3	Soprano Pipistrelle
03/09/2022	6	16:15.8	Soprano Pipistrelle
03/09/2022	6	15:34.5	Soprano Pipistrelle
03/09/2022	6	17:17.9	Soprano Pipistrelle
03/09/2022	6	07:17.6	Soprano Pipistrelle
03/09/2022	6	12:40.2	Soprano Pipistrelle
03/09/2022	6	18:04.7	Soprano Pipistrelle
03/09/2022	3	03:49.4	Brown Long-eared
03/09/2022	1	21:26.4	Brown Long-eared
03/09/2022	1	29:08.6	Brown Long-eared
03/09/2022	1	49:23.2	Brown Long-eared

09/09/2022	22	35:03.8	Greater Horseshoe
09/09/2022	22	27:07.8	Greater Horseshoe
10/09/2022	21	34:50.3	Noctule
10/09/2022	20	11:39.2	Noctule
10/09/2022	5	05:41.1	Noctule
10/09/2022	20	14:17.7	Common Pipistrelle
10/09/2022	20	31:33.8	Soprano Pipistrelle
10/09/2022	21	04:38.2	Soprano Pipistrelle
10/09/2022	20	17:06.0	Soprano Pipistrelle
11/09/2022	1	06:49.1	Soprano Pipistrelle