Client Name	Mr Brazil
Site Name	Land South of Athelstan Way
Report Title	Ecological Appraisal
Date of Report	11/11/2026
Version	V2
Author	Tristanna Boxall BSc (Hons) MCIEEM

Summary

South Coast Ecology Ltd were commissioned by Mr Brazil to undertake a Preliminary Ecological Appraisal (PEA) at Land South of Athelstan Way in Horsham. This was to ascertain the baseline ecological conditions to assess the likely impacts in the absence of mitigation relating to a new small residential development.

The PEA involved both a desk study and field survey. This resulted in the recommendation for subsequent protected species surveys to confirm the presence / likely absence of reptiles and to assess the usage of bat species.

The site is part of a Local Wildlife Site (H71 - Chesworth Farm) however the walkover concluded the habitats on site do not reflect those within the Local Wildlife Site (i.e. semi-improved neutral grassland, hedgerows and wetland habitats) instead is comprises improved grassland. It is considered reptiles are likely absent from the site however nine species of bat have been recorded including Nathusius Pipistrelle and Barbastelle.

Given the proximity of the Local Wildlife Site the site design has incorporated a ecologically enhanced buffer as well as implementing other neutral grassland, tree planting and hedgerow creation within all public accessible areas. It is considered the scheme will enhance the floral diversity on site. Similarly, the buffer, along with sensitively designed lighting scheme, will ensure continued resource for commuting and foraging bats. Finally, at least one ecological enhancement per dwelling (i.e. bird or bat box) will be introduced on site.

This report provides recommendations based on the data collated to ensure proposals going forward are in line with legislation and policy.

Table of Contents

1.0 INTRODUCTION 5

1.1 BACKGROUND 5
1.2 AIM 5
1.3 OBJECTIVE 5
1.4 REPORT LIFESPAN 5
1.5 SITE DESCRIPTION 5
1.6 PROPOSALS 6

2.0 METHODOLOGY 8

2.1 DESK STUDY 8
2.1.1 SITE INFORMATION 8
2.1.2 DESIGNATED SITE INFORMATION 8
2.1.3 SPECIES RECORDS 8
2.1.4 HABITAT INFORMATION 8
2.2 SITE VISIT 8
2.3 HABITAT SUITABILITY ASSESSMENT 8
2.4 DAY TIME BAT WALKOVER 9
2.5 AUTOMATED SURVEY 9
2.6 NIGHTTIME BAT WALKOVER 9
2.7 REPTILE SURVEY 10
2.8 IMPACT ASSESSMENT 10
2.8.1 VALUATION 10
2.8.2 MAGNITUDE OF EFFECT 10
2.8.3 SIGNIFICANCE OF EFFECT 10
2.9 LIMITATIONS 10

3.0 RESULTS 11

3.1 DESK STUDY 11
3.1.1 WATER BODIES 11
3.1.2 DESIGNATED SITE INFORMATION 11
3.1.3 SPECIES RECORDS 13
3.1.4 HABITAT INFORMATION 14
3.2 SITE VISIT 15
MODIFIED GRASSLAND (G4) 15
ARTIFICIAL UNVEGETATED, UNSEALED SURFACE (U1C) 17
3.3 HABITAT SUITABILITY INDEX 18
3.4 DAY TIME BAT WALKOVER 18
3.5 AUTOMATED SURVEY 18
3.6 NIGHTTIME BAT WALKOVER 19
3.7 REPTILE SURVEY 19

4.0 EVALUATION 21

4.1 ASSESSMENT OF THE LIKELY IMPORTANCE OF THE HABITATS PRESENT 21
4.2 ASSESSMENT OF THE LIKELY PRESENCE OF PROTECTED AND PRIORITY SPECIES 21
4.2.1 BATS 21
4.2.2 OTHER MAMMALS 22
4.2.3 REPTILES 22
4.2.4 GCN 22
4.2.5 BIRDS 22
4.2.6 DORMICE 22

4.3 Likely Impacts in the Absence of Mitigation 22
4.3.1 During Construction (Habitats) 22
4.3.2 During Construction (Wildlife) 23
4.3.3 Once Operational (Wildlife) 23

5.0 RECOMMENDATIONS 24

5.1 Local Wildlife Site 24
5.2 Bats 25
5.2.1 Bat Feature 25
5.2.2 Buffer 25
Scrub 25
Wildflower Area 25
5.2.3 Lighting 25
5.3 GCN 26
5.4 Hedgehogs and Badgers 26
5.5 Native Planting 27
5.5.1 Scrub Replacement 27
5.5.2 Native Trees 27
5.5.3 Native Hedgerow 27
5.5.4 ONG and SUDS 27
5.6 Nesting Birds 27

6.0 CONCLUSION 29

7.0 REFERENCES 30

APPENDIX I – LEGISLATION AND POLICY 31

APPENDIX II – HSI RESULT. 38

APPENDIX III – AUTOMATED BAT SURVEY RESULTS. 39

PLAN 1. PRE-DEVELOPMENT HABITATS. 83

1.0 Introduction

1.1 Background

As defined by CIEEM a Preliminary Ecological Appraisal (PEA) is the process of assessing the ecological features present, or potentially present, within a site and the zone of influence of any proposal(s). It comprises a desk study and a walkover survey.

South Coast Ecology Ltd were commissioned by Mr Brazil to undertake a Preliminary Ecological Appraisal (PEA) of land south of Athelstan Way in Horsham. This was to assess the baseline Ecological value of the area of impact and any likely impacts associated with constructing 22 new homes.

1.2 Aim

The aim of this PEA is to:

- identify the habitats on site and record species encountered,
- classify suitability for legally protected and/or notable species,
- identify likely ecological constraints associated with a project,
- identify any mitigation measures likely to be required,
- identify any additional surveys that may be required, and
- identify the opportunities to deliver ecological enhancement.

The aim of the reptile survey was to confirm the presence/likely absence of reptiles whilst the aim of the bat activity surveys was to identify which species are using the site and where possible to identify any key features utilised by bats.

1.3 Objective

The overall objective of this report is to ensure proposals are in line with local and national policy and legislation (**Appendix I**), resulting in a net gain for biodiversity.

1.4 Report Lifespan

This report will remain valid for 18 months after the execution of the survey work. After this point an updating site visit will be required by a professional ecologist to ensure the findings and recommendations remain in line with the status of the site (CIEEM, 2019).

1.5 Site Description

The site is located to the south of Athelstan Way (central grid reference TQ 18012 29862). The site is bound by open pasture to the south and east with allotments to the west separated via a mature tree line. Residential development lies to the north. Given the site is on the periphery of the

settlement, the wider area is a mixture of both rural and anthropogenic influences.

Figure 1. Location of site (GoogleMaps, 2025).



1.6 Proposals

The proposals include the construction of 22 dwellings and associated landscaping and access (**Figure 2**).

Figure 2. Proposals.



2.0 Methodology

The survey work was undertaken by Tristanna Boxall BSc (Hons) MCIEEM Senior Ecologist (Natural England license Class Level 1 for GCN and Dormice and Class Level 2 for bats) with over 13 years experience.

2.1 Desk Study

2.1.1 Site Information

Prior to the site visit, web-based aerial photos and Ordnance Survey maps were utilized to gather initial information about the site and surrounding area, giving an indication of the type of habitats and species likely to be present. This included a search for water bodies.

A data request was submitted Sussex Biodiversity Record Centre (SBRC) to attain information relating to the following:

2.1.2 Designated Site Information

The location of each designated nature conservation, distance from the redline boundary, connectivity to the project site and reason(s) for designation were recorded.

2.1.3 Species Records

Records within 2km of the site allows an assessment of the likelihood of such species being present on site and/or being impacted directly or indirectly by proposals.

2.1.4 Habitat Information

Existing information on the habitat types within the site boundary and the surrounding area.

2.2 Site Visit

This took place on 26th August 2025. Weather conditions consisted of temperatures of 18°C, 70% cloud cover and no wind or precipitation. The habitats present were recorded along with species encountered. UK Habitat Classification (UKHab) methodology was utilised.

A thorough and systematic search for evidence of legally protected and notable species was undertaken whilst on site. The habitats were assessed as to their potential to support such species.

2.3 Habitat Suitability Assessment

A Habitat Suitability Index (HSI) was carried out on the pond that was visible from Boundary Road. The HSI numerical index (geometric mean) utilises ten indices which affect Great Crested Newts and results in a value between 0 – 1 with 0 indicating the water body is unsuitable and 1 being optimal. The factors are as follows:

- Geographic Location (SI_1),
- Pond Area (SI_2),
- Permanence (SI_3),
- Water Quality (SI_4),
- Shade (SI_5),
- Presence of Waterfowl (SI_6),
- Presence of Fish (SI_7),
- Pond Count (SI_8),
- Terrestrial Habitat (SI_9),
- Macrophytes (SI_{10}).

These criteria are used to calculate a score according to ARC Guidelines (ARC 2010) using the Oldham (2000) calculation formulae:

$$HSI = (SI_1 \times SI_2 \times SI_3 \times SI_4 \times SI_5 \times SI_6 \times SI_7 \times SI_8 \times SI_9 \times SI_{10})^{1/10}$$

This gives a score between 0 and 1 of the suitability of the pond for GCN. There is a positive correlation between HSI score and the number of GCN observed:

< 0.50: Poor suitability for GCN
0.5 – 0.59: Below average
0.60 – 0.69: Average
0.70 – 0.79: Good
>0.80: Excellent

2.4 Day Time Bat Walkover

The purpose of this aspect of the survey was to observe, assess and record any habitats suitable for bats too roost, commute and forage. The survey methodology was in line with best practise guidelines (Collins, J. ed. 2023).

2.5 Automated Survey

The site was considered to have low suitability for bats. As a result, a single Elekon Batlogger S2 was deployed for five nights, once per season (Autumn 2025, Spring 2026 and Summer 2026). The bat calls were downloaded, and each registration was manually identified and assigned the relevant species via the use of Kaleidoscope software.

2.6 Nighttime Bat Walkover

The survey started at sunset and lasted for two hours with the surveyors walking around the periphery of the site recording bat activity including:

- species,
- numbers,
- activity/behaviour and

- direction of flight.

BatLogger M detectors were used to record full spectrum data for subsequent analysis via the use of Kaleidoscope software.

The ecologist started in the northwestern corner due to the mature treeline off site to the west and remained stationary for 30 minutes before walking around the site boundary. The survey methodology was in line with best practise guidelines (Collins, J. ed. 2023).

2.7 Reptile Survey

The site was considered to have potential to support reptiles. As a result, reptile refugia was distributed across the site and allowed to bed in for two weeks. Following this period, seven checks were undertaken in September 2025 during suitable weather conditions. The Ecologist checked beneath each of the refugia and also remained vigilant whilst walking the site to check for any reptile activity.

2.8 Impact Assessment

2.8.1 Valuation

As part of this assessment Ecological receptors have been assigned importance in terms of biodiversity conservation value on a geographic scale. Value is assigned based on legal protection and national and local biodiversity policy:

- International and European
- National
- Regional
- County
- Local
- Site

2.8.2 Magnitude of Effect

The magnitude of effect represents the degree of change in an ecological receptor. These are either temporary or permanent, direct or indirect and adverse or beneficial.

2.8.3 Significance of Effect

This combines the above factors to determine the significance of effects. Impacts are categorised as Major, Moderate, Minor or Negligible.

2.9 Limitations

Lack of evidence of a particular species does not confirm absence. Similarly, species may take up residence and/or begin to utilize the site and/or area impact following the completion of the survey.

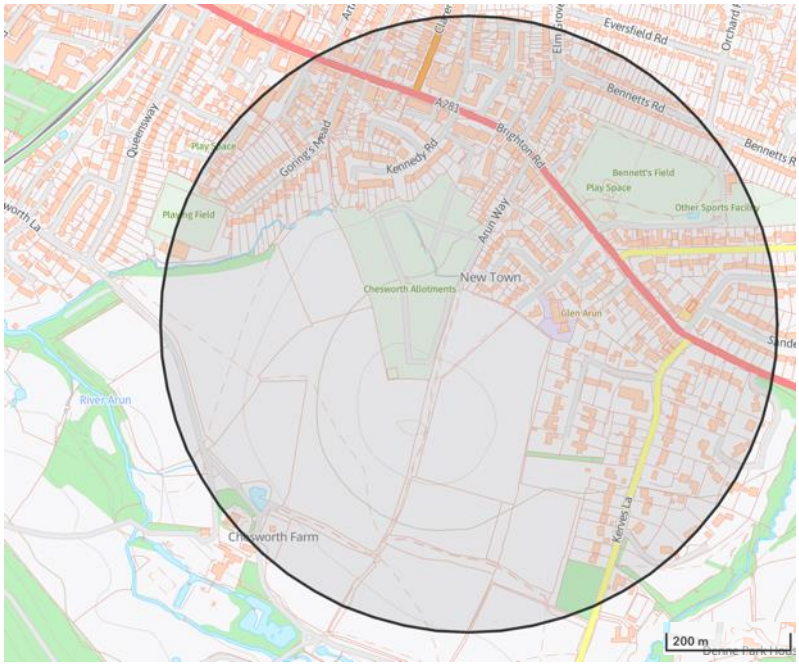
This survey does not constitute a full site assessment for invasive species, such as Japanese Knotweed (*Fallopia japonica*).

3.0 Results

3.1 Desk Study

3.1.1 Water bodies
Only one pond was identified within 500m of the site (**Figure 3**).

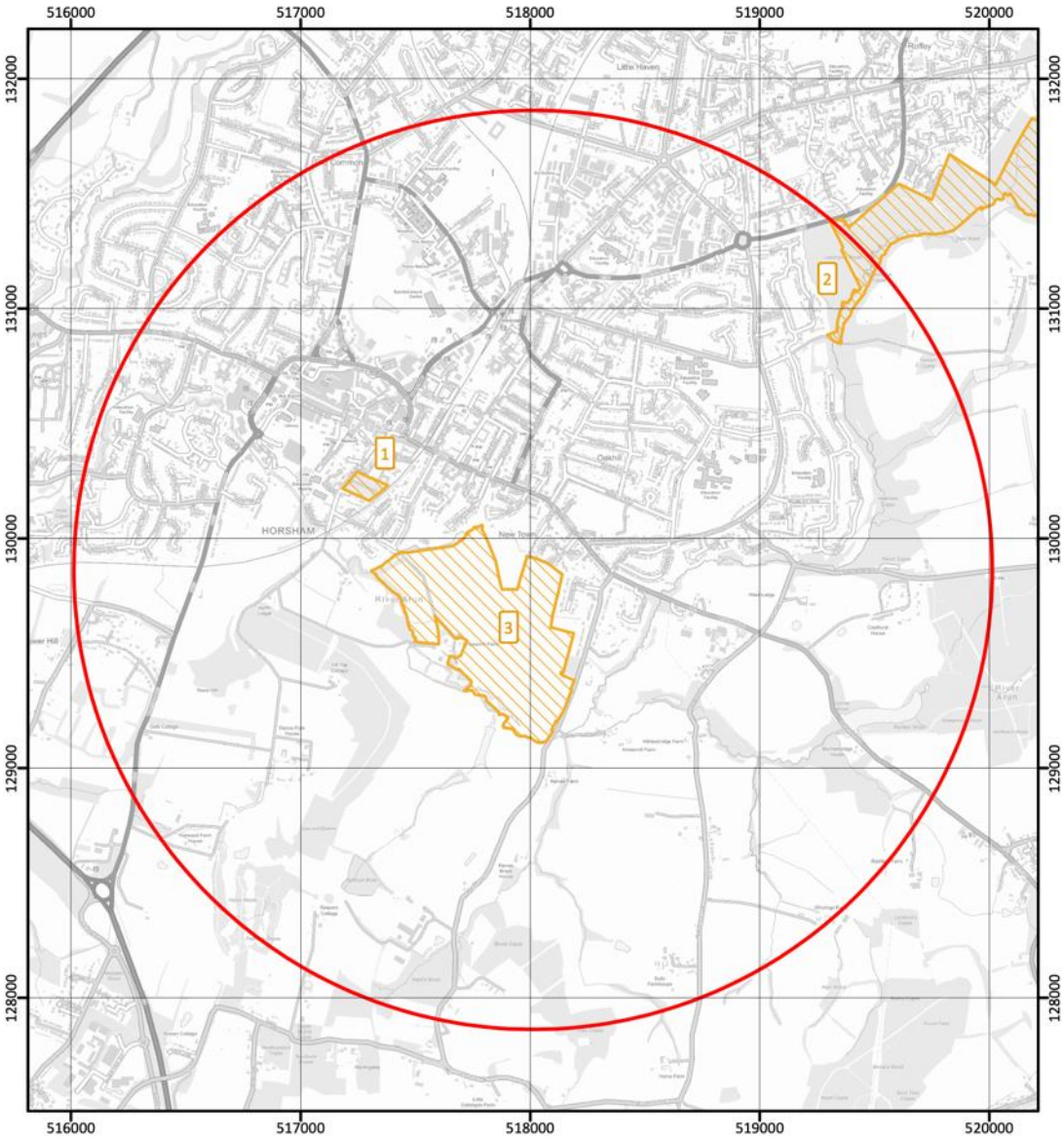
Figure 3. Location of Pond(s) within 500m of site (DEFRA, 2025).



3.1.2 Designated Site Information
The data search highlighted that the site is part of a Local Wildlife Site (H71 - Chesworth Farm) (**Figure 4)** designated in 2021. The wider Chesworth Farm LWS comprises fields of semi-improved neutral grassland bound by a network of species rich hedgerows, together with a complex of wetland habitats next to the River Arun. The hedgerows are a historical feature of the site and a notable habitat. The hedgerows provide important connective habitat across the site and connect with the wider landscape beyond the site. The wetland area increases further the diversity of habitats and species within the site. This includes rush pasture another notable habitat and the nationally rare and endangered plant cut-grass. Chesworth Farm is also important for birds with 96 species recorded across the site.

The redline boundary within this application is not, and never has been, managed as part of the Chesworth Farm site which is owned by the Council.

Figure 4. Boundary of Chesworth Farm LWS (SBRC, 2025).



In addition, although not a statutory or non-statutory site designation, the site is classified at Green Infrastructure (**Figure 5**).

Figure 5. Taken from Horsham Blueprint (Horsham District Council, 2022).

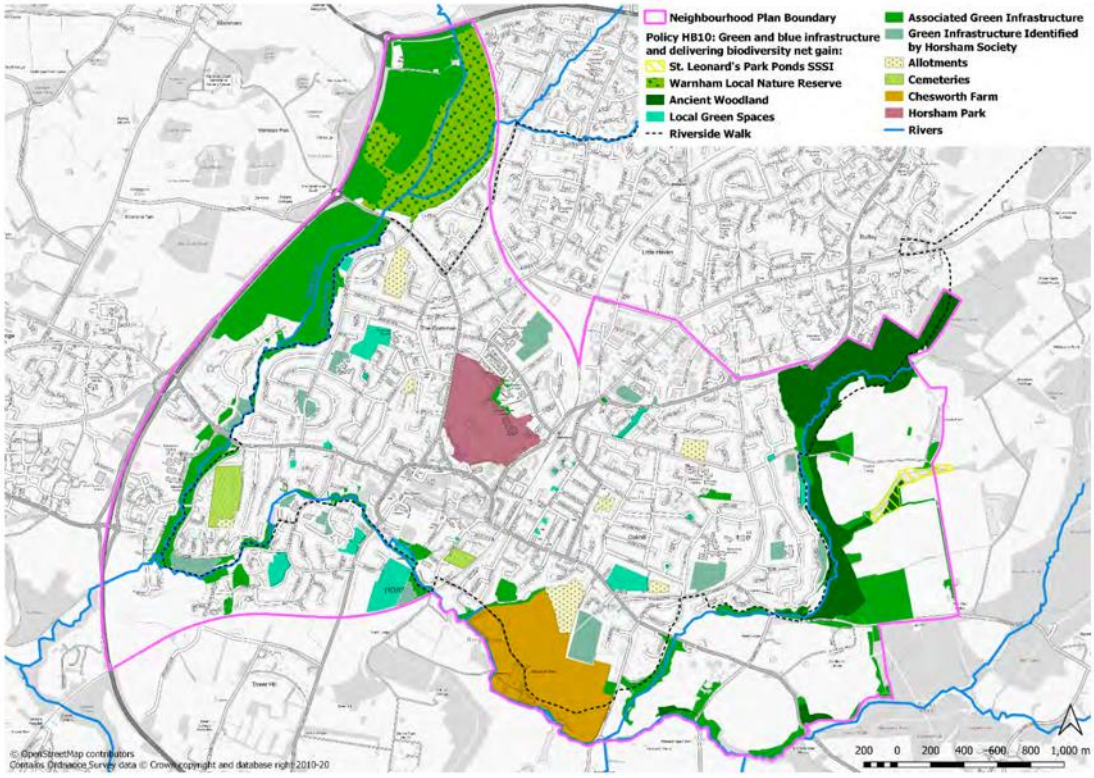


Figure 8.1: Important Green and blue Infrastructure in the Blueprint Area

The site lies >15km from The Mens Special Area of Conservation (SAC).

3.1.3 Species Records

Given the sites location (i.e. close proximity to priority habitat and LWS) high numbers of flora records were returned, along with birds and invertebrates. Given the habitats recorded during the PEA these were considered less relevant to this assessment however records of reptiles, mammals (Hedgehog, Dormice and at least seven species of bats) and amphibians, including GCN, were identified within 2km which were considered applicable.

Reptiles

Adder, Slow Worm, Lizard and Grass Snake have all been recorded within 2km of the site.

Bats

Records included Brown Long-eared, Serotine, Common, Soprano and Nathusius Pipistrelle, Daubenton's and Noctule bats all within 2km.

Great Crested Newts

A number of records were returned within the data search however the majority are separated via significant dispersal barriers (the River Arun to the south and

the A281 to the north). A record is located approximately 320m south of the site (**Figure 6**). Based on aerial imagery and plans provided by SBRC, no ponds are located here. It is therefore considered likely the records belong to the pond identified in **Figure 3** or those just to the south of the road.

Dormice

At the same grid reference as the afore mentioned GCN record (shown in **Figure 6**) a record of Dormice is also present.

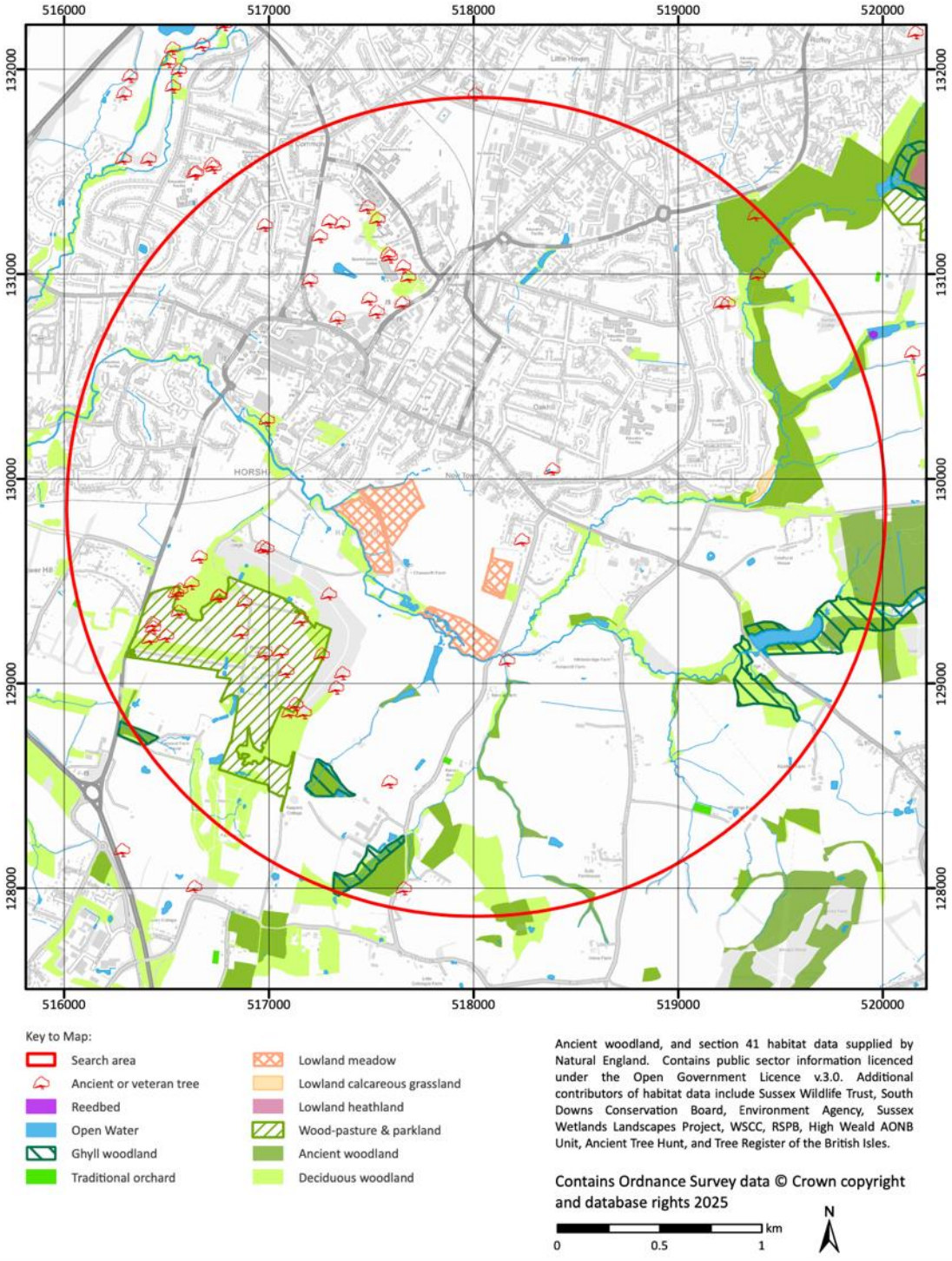
Figure 6. Location of GCN and Dormouse records (GridReferenceFinder, 2025).



3.1.4 Habitat Information

The data search identified priority habitat near-by to site (**Figure 7**) however no such habitats were recorded on the site itself.

Figure 7. Priority Habitats within 2km (SBRC, 2025).



3.2 Site Visit

Please see **Plan 1** for details.

Modified grassland (g4)

The site consisted of managed grassland (**Figure 8**). Grasses included Perennial Rye Grass, Red Fescue, False Oat Grass, Yorkshire Fog, Tufted Hair Grass, Timothy, Common Bent and Meadow grasses. Further species included

Common Nettle, Dock, Dove'sfoot Cranesbill, Dandelion, Creeping Thistle, Green Alkanet, Ribwort Plantain, Red Dead Nettle, Willowherb, Creeping Buttercup, White Clover, Birds Foot Trefoil, Silverweed and some scattered Bramble.

Figure 8. Grassland habitat on site (August, 2025).



The grassland does not meet the definition of other neutral grassland because it does not meet three of the criteria (i.e. >20% broadleaved herbs and sedges and there is not >8 species per m^2). Therefore, it only meets two of the criteria.

NB – On arrival to site it was evident a linear mixed scrub feature had been removed along the northern boundary. Circa 50 stumps were recorded (**Figure 9**).

Figure 9. Location of cleared scrub (August, 2025).



Artificial unvegetated, unsealed surface (u1c)
There is an existing footpath along the boundary with a mature tree line running parallel to it.

Figure 10. Footpath within redline boundary (August, 2025).



A small mammal burrow was recorded beneath the barbwire fence along the eastern boundary. The size and shape of the hole was indicative of Rabbit. No evidence of use from legally protected and/or notable species (i.e. Badgers) was noted within the area of impact.

3.3 Habitat Suitability Index

A HSI assessment was undertaken on the pond offsite to the south (**Figure 11)** (please see **Appendix II** for details). This is considered likely to have 'excellent suitability' for Great Crested Newts.

Figure 11. Pond subject to HSI Assessment (August, 2025).



NB - The data search later indicated this is likely the pond with the confirmed GCN record.

3.4 Day Time Bat Walkover

The grassland on site provides opportunities for foraging bats. The line of mature trees offsite to the west are likely to support commuting bats. It is also considered likely previously bats would have utilised the linear scrub feature for commuting. The habitats on site are not considered high quality resource for bats therefore it is considered to have low suitability.

3.5 Automated Survey

Common Pipistrelle bats were the most common species on site followed by Brown Long-eared bats. Occasional Noctule, Serotine and Soprano Pipistrelle registrations were also recorded along with Daubenton and Natterers. The most

notable results were recordings of Nathusius Pipistrelle and Barbastelle which are rarer species (See **Appendix II** for details).

NB - On 13th September a Long-eared Type D (advertisement) social call was recorded. Given the time of year, it may be nearby breeding is taking place.

3.6 Nighttime Bat Walkover

Table 1 below shows the start and end time of the survey, dictated by time of sunset and also the weather conditions.

Table 1. Conditions of the Phase II Bat survey.

Date	Time of Sunset	Start/End Time	Temperature	Cloud Cover	Wind
09/09/2025	19:28	19:28/21:30	17 ºC	20%	0
06/04/2026	19:41	19:41/21:41	11 ºC	60%	0
04/06/2026	21:11	21:11/23:11	16 ºC	100%	0

3.6.1 09/09/2025

The surveyors started the transect in the northwestern corner of the site and spent the most time assessing activity along the western boundary (adjacent to the mature tree line) as at least two Common Pipistrelles were recorded almost continuously foraging along the tree line between 19:55 and the end of the survey. No bats were seen emerging from the trees however it is considered possible they may have been roosting there. On three occasions a Noctule was noted commuting in an easterly direction high above the site, but no further species were recorded.

3.6.2 06/04/2026

The first registration was that of a Noctule commuting south over the site. Only three further registrations were recorded belonging to Common Pipistrelles commuting along the western boundary.

3.6.3 04/06/2026

Relatively high numbers of Common Pipistrelles were recorded commuting over and foraging along the northern boundary of the site. A single Serotine was heard but not seen commuting across the site.

3.7 Reptile Survey

During the surveys, no reptiles were recorded on site (**Table 2**).

Table 2. Results of the reptile survey.

Date	Time	Temperature (ºC)	Cloud Cover (%)	Wind	Precipitation	Results
10/09/25	10:00	17	80	0	-	-
14/09/25	15:00	17	100	0	Light rain	-

17/09/25	11:00	17	100	1-2	-	-
20/09/25	14:00	20	100	0	-	-
24/09/25	11:00	16	50	0	-	-
27/09/25	11:30	15	30	0	-	-
29/09/25	12:00	16	5	0	-	-

4.0 Evaluation

4.1 Assessment of the likely importance of the habitats present

Despite the site falling within the LWS, given the lack of floral diversity and ongoing management the grassland on site is considered to be limited to **site value**.

The mature tree line off site is considered to be of **local value**.

4.2 Assessment of the likely presence of protected and priority species

4.2.1 Bats

High numbers of Common Pipistrelle bats utilise the site for commuting and foraging along with moderate numbers of Brown Long-eared bats. Occasional registrations of Soprano Pipistrelle, Serotine and Noctule were recorded along with Natterers, Daubenton's, Nathusius Pipistrelle and Barbastelle.

The Bat Mitigation Guidelines (2023) approach for assessing importance of bat assemblage has been developed to reflect geographic variations in species distributions (**Table 2**). Soprano and Common Pipistrelle and Brown Long-eared bats are more common species, they Myotis on site and Noctule are not as abundant but Nathusius and especially Barbastelle are classified as rarer and very rare respectively.

Table 3. Rarity category and associated score for calculating importance score for Southern England.

Rarity Category	Species	Score
Widespread	Common Pipistrelle	1
	Soprano Pipistrelle	1
	Brown Long-eared	1
Widespread in many geographies but not as abundant in all	Whiskered	2
	Brandts	2
	Daubentons	2
	Natterers	2
	Noctule	2
Rarer or restricted in distribution	Alcathoe	3
	Serotine	3
	Leislers	3
	Nathusius Pipistrelle	3
Rarest Annex II Species and very rare	Greater Horseshoe	4
	Lesser Horseshoe	4
	Bechstein	4
	Barbastelle	4
	Grey Long-eared	4
	Maximum Score	45

The percentage score achieved for the site, as it relates to the maximum possible, determines the importance of the assemblage. Once the score has been calculated and added together to determine the maximum theoretical score, the threshold score needed for any assemblage to meet each geographic level of importance, can be calculated:

- County importance: Assemblage score meets or exceeds 45% of the maximum score
- Regional importance: Assemblage score meets or exceeds 55% of the maximum score
- National importance: Assemblage score meets or exceeds 70% of the maximum score

Based on the above this site achieves 36% therefore it is considered to be of **local value**.

4.2.2 Other Mammals

It is considered there is potential for commuting and/or foraging Hedgehogs and Badgers. As a result, the site has potential to be of **site value**.

4.2.3 Reptiles

No reptiles were recorded during the survey. Therefore, it is considered unlikely they are present and thus of **negligible value**.

4.2.4 GCN

Although there is a record nearby, the pond is located approximately 320m from the site boundary. There, habitat that lies between the pond and the site is managed as a LWS by the council and thus more likely to provide quality terrestrial habitat. Therefore, it is considered the likelihood of GCN being within the area of impact is reduced. Given the site is subject to continual management, it is considered the site provides suboptimal terrestrial habitat for amphibians and it is therefore considered likely to be of **negligible value.**

4.2.5 Birds

There are currently no habitats within the area of impact considered suitable for nesting birds although the site is suitable for foraging. As a result, the redline boundary is likely of **site value**.

4.2.6 Dormice

There are currently no habitats considered suitable for Dormice within the redline boundary. Therefore, it is considered to be of **negligible value**.

4.3 Likely Impacts in the Absence of Mitigation

4.3.1 During Construction (Habitats)

Works taking place within close proximity of the mature trees located off site have potential to negatively impact these habitats through root compaction

and/or severance. This would have a **permanent major negative impact at local level**.

Any unmitigated losses in modified grassland would result in a **permanent major negative impact at a site level**.

4.3.2 During Construction (Wildlife)

If excavations and/or trenches are required as part of the proposals, there is a risk that animals (such as Hedgehogs and Badgers) could become trapped and therefore harmed during construction. Therefore, works have **potential for moderate, adverse impacts at site level**.

4.3.3 Once Operational (Wildlife)

Any increases in lighting will result in a **permanent negative indirect impact at local level**, especially given the presence of Barbastelle bats as artificial lighting can lead to a reduction in usage of feeding and commuting areas.

5.0 Recommendations

5.1 Local Wildlife Site

Given that the site does not represent the habitats for which Chesworth Farm is notified as a Wildlife Site, and that the habitats are of limited value given the lack of appropriate management, should proposals go ahead it is considered there is scope to create a buffer between this site (**Figure 10**) and the adjacent LWS which could increase its Ecological value and result in a net gain for biodiversity.

Figure 10. Proposed Buffer (GoogleMaps, 2025).



Local Policy guidance states that "The key sites that the District Council seek to be retained, enhanced and buffered / expanded in a complementary manner include Local Wildlife Sites (with appropriate buffer)". In addition, "…regard should be given to identified biodiversity opportunities…often being buffers around existing reserves or linkages between existing sites". With appropriate landscape design, a buffer can be designed which will act as a beneficial buffer to the LWS (please also see recommendations relating to Barbastelle bats in Section 5.1.2).

Planning policy also states that "All development proposals will be expected to consider how on-site green infrastructure (existing and new) can be delivered in a non-fragmented way (or as effective functional stepping stones)". It is considered this provides an opportunity to act as a stepping stone into the LWS.

5.2 Bats

5.2.1 Bat Feature

It is recommended that a bat box be introduced into each of the new dwellings. The Ibstock Enclosed Bat Box 'B' is designed for integrated into brickwork. It provides several roosting chambers to provide zones of differing temperatures within the box. The bats are contained within the box itself and the entrance at the bottom allows droppings to fall out, meaning that the box is maintenance free. The Enclosed Bat Box 'B' is also available in two sizes and three colours (NHBS, 2025).

Temperature is known to be the major factor influencing successful uptake of artificial roost by bats. In general, bats seek warm spaces to help them with rearing young. Therefore, the features will be integrated into the southern elevations. This will be located 5 – 7m above ground.

5.2.2 Buffer

Connectivity of structurally diverse habitat is a key requirement for bats. The diversity of wetland (in this case SUDS), grassland, scrub, hedgerows and trees also provide an abundance of invertebrates.

The buffer (**Figure 10**) will create an enhanced commuter route. It will include mixed scrub and other neutral grassland. This will be maintained as a dark corridor. This is also in line with local policy which encourages “Additional planting and the creation of new habitats… These must be appropriate to their location and include as wide a range of species (particularly locally ‘native and sourced’) to increase biodiversity…”. The aim is to create an interface between scrub and grassland creating microclimates suitable for many fauna and flora in terms of light and warmth.

Scrub

Hazel, Holly, Blackthorn, Hawthorn, Elder and Dog Rose provide fruit for small mammals and birds. Plants will be planted in clumps, mixing species randomly, with unplanted gaps to create open ground as part of the mosaic.

Wildflower Area

The grassland areas on site will be sown with a species rich mixture to create other neutral grassland habitat. Flowers that vary in colour, fragrance and time of flowering are encouraged especially those with landing platforms (i.e. Daisy family), umbellifers (i.e. Carrot family) and long pollen-tubes as they are likely to attract an array of pollinating insects (BCT, 2018).

5.2.3 Lighting

In addition to **ensuring there is no light spill into the LWS buffer or the existing tree line along the western boundary** the following is from guidance published by the Institution of Lighting Professionals (ILP) (2023) relating to

bats and lighting and will be considered when choosing luminaires and their potential impact elsewhere on site:

- All luminaires should lack UV elements when manufactured. Metal halide, compact fluorescent sources should not be used
- LED luminaires should be used where possible due to their sharp cut-off, lower intensity, good colour rendition and dimming capability
- A warm white light source (2700Kelvin or lower) should be adopted to reduce blue light component
- Light sources should feature peak wavelengths higher than 550nm to avoid the component of light most disturbing to bats (Stone, 2012)
- Only luminaires with a negligible or zero Upward Light Ratio, and with good optical control, should be considered
- Luminaires should always be mounted horizontally, with no light output above 90° and/or no upward tilt
- Where appropriate, external security lighting should be set on motion-sensors and set to as short a possible a timer as the risk assessment will allow. For most general residential purposes, a 1 or 2 minute timer is likely to be appropriate

5.3 GCN

The site is considered unlikely to support GCN and reptiles however to add confidence and in line with Nature Space recommendations the grassland management must continue to ensure the structure of the grassland does not develop along with the following measures:

- As above, all vegetation within the works area shall be maintained at a maximum height of 30mm through regular mowing in order to discourage GCN from using the site.
- Any trenches left overnight should be covered or provided with ramps to prevent GCN (and other species such as Hedgehogs and Badgers) from becoming trapped.
- Any materials should be stored on pallets to discourage GCN from using them as shelter.
- If at any point GCN are identified, then all works must stop immediately, an ecologist will be informed immediately who will provide further guidance / instruction.

5.4 Hedgehogs and Badgers

During the construction phase, escape ladders should be used in excavations to prevent animals from becoming trapped in any open excavations left overnight.

Within the close board fencing, small gaps will be left/created at the base of fences to allow continued connectivity. 13cm by 13cm square is sufficient for any Hedgehog to pass through.

5.5 Native Planting

For full details, please see the Biodiversity Net Gain (BNG) Habitat Monitoring and Management Plan.

5.5.1 Scrub Replacement

The scrub habitat that has been removed along the northern boundary will be replaced elsewhere on site given the requirement for access to the ditch for management relating to the drainage strategy. Hazel, Blackthorn, Holly, Hawthorn, Dog Rose and Elder and will be utilised. As specified above, plants will be planted in clumps, mixing species randomly, with unplanted gaps to create open ground as part of the mosaic.

To replace the linear connectivity along the northern boundary, a native hedgerow will be planted within the rear gardens of Plots 1 – 9.

5.5.2 Native Trees

50 small native trees will be planted across the site to add diversity and once matured opportunities for nesting birds and roosting bats.

5.5.3 Native Hedgerow

Native hedgerows will be created within areas of POS and also within gardens. Although the hedgerows within the gardens cannot contribute towards BNG units they do add to the matrix of habitats on site and provide connectivity through the site for commuting wildlife.

5.5.4 ONG and SUDS

Wildflower mixture EH1F and EP1 will be sown on site. This will greatly increase the level of floral diversity on site and thus likely enhance the site for commuting and foraging species such as bats.

5.6 Nesting Birds

One bird feature per dwelling will be introduced on site. Either those constructed of woodcrete (with a mixture of open fronted, 32mm circle entrance and 26mm circle entrance hole) which can be attached to garages or features which can be integrated within the fabric of new builds.

Examples include Schwegler Swift Bricks or "S" Bricks, which can be made to match any brick or stone, have a hollow interior for Swifts to nest in. These can be incorporated into brickwork, ideally as the top course, or placed high in gables (>5m above ground) out of direct sunlight or shaded beneath the eaves.

They should not need any maintenance nor cleaning (Swift Conservation, 2025).

The Schwegler 1SP Sparrow terrace provides opportunities not only for Sparrows but also other species. They can either be integrated into the walls of a new build or surface installation at least 2m above ground level (Wildcare, 2025).

6.0 Conclusion

The area of impact is considered to be of ‘site value’ in terms of habitats. However, it supports a range of bat species and is also considered likely species such as Badgers, Hedgehogs and birds may pass through / utilise the site. As a result, mitigation and enhancements have been specified.

A key consideration is the proximity of the Local Wildlife Site (LWS) Chesworth Farm. The site currently falls within the LWS boundary however it is not considered to be a good representation of the wider site, and it is considered a buffer will tie the site into the LWS. This will need to be diverse in terms of species and structure and be maintained as a dark corridor. This will ensure the bat species utilising the site are able to continue to do so.

Incorporating the ecological enhancements specified within this report with habitat creation detailed within the Habitat Management and Maintenance Plan will result in a net gain for Biodiversity.

7.0 References

ARGUK (2010) 'Advice Note 5 - Great Crested Newt Habitat Suitability Index - ARG Advice Note 5'.

CIEEM (2017) Guidelines for Preliminary Ecological Appraisal, 2nd edition. Chartered Institute of Ecology and Environmental Management, Winchester.

CIEEM (2017) *Guidelines on Ecological Report Writing*. Chartered Institute of Ecology and Environmental Management, Winchester.

CIEEM (2019) Advice Note on the Lifespan of Ecological Reports and Surveys Chartered Institute of Ecology and Environmental Management, Winchester.

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

DEFRA (2025) 'Magic Map' Available online at: https://magic.defra.gov.uk

Edgar, P., Foster, J., & Baker, J., (2010) Reptile Management Handbook, Amphibian and Reptile Conservation (ARC)

Gunnel, K., Grant, G. and Williams, C. (2012) 'Landscape and urban design for bats and biodiversity' BCT.

HMSO (1981). The Wildlife & Countryside Act 1981. HMSO, London.

HMSO (2000). The Countryside and Rights of Way Act 2000. HMSO, London.

HMSO (2006) Natural Environment and Rural Communities Act 2006. HMSO, London.

HMSO (2017) The Conservation of Habitats and Species Regulations 2017. HMSO, London.

HMSO (2021) The Environment Act 2021. HMSO, London.

Horsham District Council (2022) 'Horsham Blueprint'

Institution of Lighting Professionals (ILP) (2023) 'Bats and Artificial Lighting at Night' Guidance Note 08/23.

Natural England (2011). *Badgers and Development: A Guide to Best Practice and Licensing*. Available from: http://www.wildlifeco.co.uk/wp-content/uploads/2014/03/badgers-and-development.pdf

NHBS (2026) ‘Ibstock Enclosed Bat Box 'B' Available online at: https://www.nhbs.com/4?slug=integrated-bat-boxes&q=&fR[hide][0]=false&fR[live][0]=true&fR[shops.id][0]=4&fR[subsidiaries][0]=1&hFR[subjects_equipment.lvl1][0]=Bat%20Boxes%20%3E%20Integrated%20Bat%20Boxes&qtview=187691

Reason, P.F. and Wray, S. (2023). *UK Bat Mitigation Guidelines: a guide to impact assessment, mitigation and compensation for developments affecting bats. Version 1.1.* Chartered Institute of Ecology and Environmental Management, Ampfield.

Swift Conservation (2025) Available online at: https://www.swift-conservation.org/index.htm

Wildcare (2025) ‘Schwegler 1SP Sparrow terrace’ Available online a: https://www.wildcare.co.uk/sparrow-terrace.html

Williams, C. (2010) *Biodiversity for low and zero carbon buildings: a technical guide for new build*. London, RIBA Pub.

APPENDIX I – Legislation and Policy

Legislation

The Wildlife and Countryside Act (1981) (as amended)

The primary legislation by which biodiversity if protected within the UK. Protected fauna and flora are listed under Schedules 1, 5 and 8 of the Act. They

include all species of bats, making it an offence to intentionally or recklessly disturb any bat whilst it is occupying a roost or to intentionally or recklessly obstruct access to a bat roost. Similarly, this Act makes it an offence to kill or injure any species of British reptiles and also makes it an offence to intentionally kill, injure or take any wild bird or to take, damage or destroy their eggs and nests (whilst in use or being built).

The Wildlife & Countryside Act (1981) states that it is an offence to 'plant or otherwise cause to grow in the wild' any plant listed in Schedule 9 part II of the Act. This list over 30 plants including Japanese Knotweed (*Fallopia japonica*), Giant Hogweed (*Heracleum mantegazzianum*) and Parrots Feather (*Myriophyllum aquaticum*).

The Countryside and Rights of Way Act (2000)

This Act strengthens the Wildlife & Countryside Act by the addition of "reckless" offences in certain circumstances, such as where there is the likelihood of protected species being present. The Act places a duty on Government Ministers and Departments to conserve biological diversity and provides police with stronger powers relating to wildlife crimes.

Protection of Badgers Act (1992)
This relates to the welfare of Badgers (*Meles meles*) as opposed to nature conservation considerations. The Act prevents the wilful killing, injury, ill treatment or taking of Badgers and / or interference, damage to or destroying a Badger sett and disturbing a Badger while it is occupying a sett including causing a dog to enter a set.

Natural Environment and Rural Communities Act (2006)

The Natural Environment and Rural Communities (NERC) Act 2006 requires that public bodies have due regard to the conservation of biodiversity. This means that Planning authorities must consider biodiversity when planning or undertaking activities. Section 41 of the Act lists species found in England which were identified as requiring action under the UK Biodiversity Action Plan and which continue to be regarded as conservation priorities under the *UK Post – 2010 Biodiversity Framework.*

The Conservation of Habitats and Species Regulations 2017 (as amended)

The Conservation of Habitats and Species Regulations 2017 (the "Habitats Regulations 2017") consolidate and update the Conservation of Habitats and Species Regulations 2010 (the "Habitats Regulations 2010").

The Conservation of Habitats and Species Regulations 2017 transposed the EU Habitats Directive (Council Directive 92/43/EEC) into UK domestic law. It provides protection for sites and species deemed to be of conservation importance across Europe.

It is an offence to deliberately capture, kill or injure species listed in Schedule 2 or to damage or destroy their breeding sites or shelter. It is also illegal to deliberately disturb these species in such a way that is likely to significantly impact on the local distribution or abundance or affect their ability to survive, breed and rear or nurture their young.

Schedule 2 - European Protected Species (animals)

Common name	***Scientific name***
Bats (all species)	Vespertilionidae
Eurasian Beaver	Castor fiber
Large Blue Butterfly	Maculinea arion
Wild Cat	Felis silvestris
Dolphins, porpoises and whales (all species)	Cetacea
Dormouse	Muscardinus avellanarius
Pool Frog	Rana lessonae
Sand Lizard	Lacerta agilis
Fisher's Estuarine Moth	Gortyna borelii lunata
Great Crested Newt	Triturus cristatus
Common Otter	Lutra lutra
Lesser Whirlpool Ram's-horn Snail	Anisus vorticulus
Smooth Snake	Coronella austriaca
Sturgeon	Acipenser sturio
Natterjack Toad	Bufo calamita
Marine Turtles	Caretta caretta Chelonia mydas

Lepidochelys kempii
Eretmochelys imbricata
Dermochelys coriacea

The Conservation of Habitats and Species Regulations 2019 (EU Exit) made changes upon the UK's exit from the European Union (EU). These include The Conservation of Habitats and Species Regulations 2017 and The Conservation of Offshore Marine Habitats and Species Regulations 2017. This legislation ensures the existing protections of the Wildlife and Countryside Act 1981 continue.

The Environment Act (2021)

The Environment Act 2021includes the protection of water quality, clean air and biodiversity. Part 6 of The Environment Act relates to nature and biodiversity. This section makes provision for biodiversity net gain. The legislation specifies biodiversity enhancement and includes a requirement for authorities to publish biodiversity reports including local nature recovery strategies.

Within England, the legislation also provides Natural England with the power to publish 'species conservation strategies' and 'protected site strategies' to identify activities that may affect a species or site's status and outline their opinions on measures that would be appropriate to avoid, mitigate or compensate any adverse impacts.

Policy

National The National Planning Policy Framework (NPPF) (2026)

The NPPF (2026) sets out the Government's planning policies for England and how these should be applied. It provides a framework within which locally-prepared plans for housing and other development can be produced.

The objective of Policy 19 'Conserving and enhancing the natural environment' is to influence the design and location of new development to help drive nature's recovery and contribute to wider environmental outcomes, safeguarding our most important habitats and species.

N1: Identifying environmental opportunities and safeguards
1. Development plans should safeguard and enhance the natural environment, and reflect the wider benefits from natural capital and ecosystem services, by using Local Nature Recovery Strategies, Protected Landscape Management

Plans, River Basin Management Plans, National Forest Strategies, Community Forest Plans and other relevant evidence at the most appropriate level to:

a. Set out the hierarchy of international, national and locally designated sites and areas of importance for their landscape, geodiversity or biodiversity value in the plan area, and identify other features which require particular consideration in managing
development due to their environmental value such as chalk streams;

b. Identify opportunities for the conservation, enhancement and recovery of landscapes, sensitive waterbodies, habitats and priority or threatened species, including through habitat restoration, the use of nature-based solutions, and the creation and strengthening of ecological networks that are more resilient to current and future pressures (including opportunities which exist at a catchment or landscape scale across plan boundaries);

c. Steer the location of development, including through site allocations, in ways which utilise land of least environmental value where that would be consistent with other policies in this Framework. This should include limiting the scale and extent of development within Protected Landscapes, avoiding the use of higher quality agricultural land where land of poorer quality is available and avoiding and minimising harm to designated sites of importance for nature. Areas which could become of particular importance for nature identified in Local Nature Recovery Strategies should be taken into account as opportunities to integrate development with environmental restoration, but should not necessarily preclude the allocation of land for development; and

d. Set out standards for green infrastructure provision, in a way which complements
and/or incorporates those for recreational land (as set out in policy HC1). These should draw upon Natural England's Green Infrastructure Standards for England tailored as necessary to local circumstances.

N3: **Trees in new development**
1. In recognition of the benefits which trees can provide for biodiversity, climate change mitigation and adaptation, and the character and quality of the built environment, development proposals should:

a. Make new streets tree-lined (unless there are strong reasons why this would be
inappropriate in specific streets), and incorporate trees in other suitable locations, such as in parks and through the provision of community orchards;

b. Ensure that the selection of species and their placement is compatible with highways and other infrastructure requirements and the needs of different users of public spaces; and will be effective in helping to adapt to the effects of climate change and delivering other environmental benefits. Suitable arboricultural advice should be sought, and proposals discussed with highways and trees officers where necessary, so that the right trees are planted in the right places; and

c. Make provision for the long-term maintenance of both existing and newly-planted trees which form part of the development.

N6: Areas of particular importance for biodiversity and geodiversity

1.To support the conservation of important habitats and species development proposals affecting:

a. A site of international importance, which for the purpose of this policy is a habitats site, should be refused unless:
i. An appropriate assessment has concluded that the proposal will not adversely affect the integrity of the site (either individually or in combination with other developments), or the proposal can satisfy the derogation tests; and/or
ii. The impact of development on the relevant protected features of the protected site
is being addressed through an Environmental Delivery Plan which has been made and the developer has committed to paying the nature restoration levy.

b. A site of national importance, which for the purpose of this policy is one designated as a Site of Special Scientific Interest, should only be supported if:
i. There would be no adverse effect (either individually or in combination with other developments) on the site's features of special scientific interest; or
ii. The benefits of the development in the location proposed clearly outweigh both the likely impact on the features of special scientific interest, and any broader impact on the national network of Sites of Special Scientific Interest; or
iii. The impact of development on the relevant protected feature of the protected site is being addressed through an Environmental Delivery Plan which has been made and the developer has committed to paying the nature restoration levy.

c. A site of local importance, which for the purpose of this policy is one designated as a Local Nature Reserve or identified as a local wildlife site or equivalent in the development plan, should only be supported if:
i. There would not be a significant adverse effect on the integrity of the site; or

ii. The benefits of development in the location proposed clearly outweigh the likely impact on the features which make the site valuable for nature conservation.

2. Irrespective of a site's status in nature conservation terms, development proposals which would entail the loss or deterioration of irreplaceable habitats (such as ancient woodland and ancient or veteran trees) should be refused, unless there are wholly exceptional reasons and a suitable compensation strategy exists.

3. This policy applies to development on land inside or outside a designated area, if it would have an impact on the identified biodiversity or geodiversity value of the area concerned.

APPENDIX II – HSI Result.

Criteria	Result	Value
Map Location	A	1.00
Surface Area	600m^2	1.00
Desiccation Rate	Never	0.90
Water quality	Moderate	0.67
Shade	30%	1.00
Waterfowl	Absent	1.00
Fish	Possible	0.67
Pond Density	2	1.00
Terrestrial Habitat	Good	1.00
Macrophyte Cover	100%	0.80
	HSI Score	0.89
	Suitability	Excellent

Appendix III – Automated Bat Survey Results.

Date	Time of Sunset	Time of Sunrise	Weather Conditions
09/09/25	19:28	06:28	17 – 11ºC, low wind, no rain
10/09/25	19:26	06:30	16 – 11ºC, low wind, no rain
11/09/25	19:24	06:32	16– 11ºC, low wind, no rain
12/09/25	19:22	06:34	16 – 12ºC, low wind, no rain
13/09/25	19:20	06:35	15 – 7ºC, low wind, no rain

9th September

TIME	MANUAL ID
19:40:16	Common Pipistrelle
19:40:23	Common Pipistrelle
19:42:36	Common Pipistrelle
19:43:26	Common Pipistrelle
19:44:37	Common Pipistrelle
19:45:05	Common Pipistrelle
19:48:26	Common Pipistrelle
19:50:37	Common Pipistrelle
19:51:05	Common Pipistrelle
19:50:08	Noctule
19:53:15	Common Pipistrelle
19:54:21	Common Pipistrelle
19:54:49	Common Pipistrelle
19:55:39	Common Pipistrelle
19:56:09	Common Pipistrelle
19:56:47	Common Pipistrelle
19:57:42	Common Pipistrelle
19:57:45	Common Pipistrelle
20:02:06	Noctule
20:02:37	Common Pipistrelle
20:03:52	Common Pipistrelle
20:03:56	Common Pipistrelle
20:04:16	Common Pipistrelle
20:04:56	Common Pipistrelle
20:07:16	Common Pipistrelle
20:07:41	Common Pipistrelle
20:07:50	Common Pipistrelle
20:08:02	Common Pipistrelle
20:08:13	Common Pipistrelle
20:19:06	Common Pipistrelle
20:19:39	Common Pipistrelle

20:20:46	Common Pipistrelle
20:21:29	Common Pipistrelle
20:22:43	Common Pipistrelle
20:24:19	Common Pipistrelle
20:24:21	Common Pipistrelle
20:25:55	Common Pipistrelle
20:26:32	Common Pipistrelle
20:27:37	Common Pipistrelle
20:27:49	Common Pipistrelle
20:28:14	Common Pipistrelle
20:28:32	Common Pipistrelle
20:32:13	Common Pipistrelle
20:32:28	Common Pipistrelle
20:32:43	Common Pipistrelle
20:33:35	Common Pipistrelle
20:34:35	Common Pipistrelle
20:34:45	Common Pipistrelle
20:37:18	Common Pipistrelle
20:37:21	Common Pipistrelle
20:38:02	Brown Long-eared
20:39:34	Brown Long-eared
20:39:36	Common Pipistrelle
20:39:58	Common Pipistrelle
20:40:03	Brown Long-eared
20:41:36	Common Pipistrelle
20:42:58	Common Pipistrelle
20:43:58	Common Pipistrelle
20:44:00	Soprano Pipistrelle
20:44:44	Common Pipistrelle
20:48:16	Common Pipistrelle
20:49:28	Common Pipistrelle
20:50:55	Common Pipistrelle
20:51:31	Common Pipistrelle
20:52:39	Common Pipistrelle
20:52:57	Common Pipistrelle
20:55:09	Common Pipistrelle
20:55:23	Common Pipistrelle
20:55:43	Common Pipistrelle
20:55:54	Common Pipistrelle
20:56:09	Common Pipistrelle
21:02:25	Common Pipistrelle
21:02:27	Common Pipistrelle

21:02:38	Common Pipistrelle
21:04:17	Common Pipistrelle
21:04:46	Brown Long-eared
21:07:15	Common Pipistrelle
21:07:19	Common Pipistrelle
21:07:23	Common Pipistrelle
21:07:57	Common Pipistrelle
21:11:24	Common Pipistrelle
21:12:33	Common Pipistrelle
21:15:03	Common Pipistrelle
21:15:55	Brown Long-eared
21:16:09	Common Pipistrelle
21:16:11	Common Pipistrelle
21:16:17	Common Pipistrelle
21:17:17	Common Pipistrelle
21:17:52	Common Pipistrelle
21:18:42	Common Pipistrelle
21:20:14	Common Pipistrelle
21:21:41	Brown Long-eared
21:21:44	Brown Long-eared
21:22:22	Common Pipistrelle
21:23:08	Common Pipistrelle
21:22:22	Common Pipistrelle
21:23:08	Common Pipistrelle
21:24:55	Brown Long-eared
21:24:58	Brown Long-eared
21:26:17	Common Pipistrelle
21:26:57	Brown Long-eared
21:29:18	Common Pipistrelle
21:29:30	Common Pipistrelle
21:29:44	Common Pipistrelle
21:29:58	Common Pipistrelle
21:30:29	Brown Long-eared
21:50:40	Brown Long-eared
21:50:54	Common Pipistrelle
21:51:20	Common Pipistrelle
21:51:53	Common Pipistrelle
21:56:25	Common Pipistrelle
21:58:12	Common Pipistrelle
21:59:33	Common Pipistrelle
21:59:46	Common Pipistrelle
22:02:06	Brown Long-eared

22:03:30	Common Pipistrelle
22:04:49	Common Pipistrelle
22:05:56	Common Pipistrelle
22:06:55	Common Pipistrelle
22:07:36	Common Pipistrelle
22:08:35	Common Pipistrelle
22:08:38	Common Pipistrelle
22:10:19	Common Pipistrelle
22:12:35	Common Pipistrelle
22:12:38	Common Pipistrelle
22:13:27	Common Pipistrelle
22:14:28	Common Pipistrelle
22:16:43	Common Pipistrelle
22:19:46	Common Pipistrelle
22:20:40	Common Pipistrelle
22:23:03	Common Pipistrelle
22:23:07	Common Pipistrelle
22:24:05	Common Pipistrelle
22:24:16	Common Pipistrelle
22:29:06	Common Pipistrelle
22:31:42	Common Pipistrelle
22:37:08	Common Pipistrelle
22:39:34	Common Pipistrelle
22:41:34	Common Pipistrelle
22:45:05	Common Pipistrelle
22:49:02	Common Pipistrelle
22:50:40	Common Pipistrelle
23:01:06	Common Pipistrelle
23:02:10	Common Pipistrelle
23:03:30	Common Pipistrelle
23:06:30	Common Pipistrelle
23:08:36	Common Pipistrelle
23:15:57	Common Pipistrelle
23:15:59	Common Pipistrelle
23:17:07	Common Pipistrelle
23:20:35	Common Pipistrelle
23:26:08	Common Pipistrelle
23:30:53	Common Pipistrelle
23:32:40	Common Pipistrelle
23:34:19	Common Pipistrelle
23:39:29	Common Pipistrelle
23:39:32	Common Pipistrelle

23:56:54	Common Pipistrelle
00:03:17	Common Pipistrelle
00:07:20	Brown Long-eared
03:16:43	Common Pipistrelle
04:27:57	Common Pipistrelle

10th September

TIME	MANUAL ID
19:41:18	Noctule
19:42:46	Common Pipistrelle
19:49:12	Common Pipistrelle
19:55:36	Noctule
19:58:46	Common Pipistrelle
19:59:18	Common Pipistrelle
20:00:56	Common Pipistrelle
20:01:10	Common Pipistrelle
20:01:33	Common Pipistrelle
20:01:44	Common Pipistrelle
20:01:54	Common Pipistrelle
20:02:06	Noctule
20:02:57	Common Pipistrelle
20:03:12	Common Pipistrelle
20:03:16	Common Pipistrelle
20:03:25	Common Pipistrelle
20:03:47	Common Pipistrelle
20:04:16	Common Pipistrelle
20:04:56	Common Pipistrelle
20:05:09	Common Pipistrelle
20:05:37	Common Pipistrelle
20:05:54	Soprano Pipistrelle
20:06:14	Common Pipistrelle
20:06:42	Common Pipistrelle
20:06:54	Common Pipistrelle
20:07:02	Common Pipistrelle
20:07:16	Common Pipistrelle
20:07:41	Common Pipistrelle
20:07:50	Common Pipistrelle
20:08:02	Common Pipistrelle
20:08:13	Common Pipistrelle
20:08:48	Common Pipistrelle
20:09:08	Common Pipistrelle
20:09:23	Common Pipistrelle

20:09:37	Common Pipistrelle
20:09:41	Common Pipistrelle
20:09:50	Common Pipistrelle
20:10:47	Common Pipistrelle
20:11:03	Common Pipistrelle
20:11:11	Common Pipistrelle
20:11:23	Common Pipistrelle
20:11:27	Common Pipistrelle
20:13:42	Common Pipistrelle
20:14:21	Nathusius Pipistrelle
20:15:02	Common Pipistrelle
20:16:11	Common Pipistrelle
20:17:39	Common Pipistrelle
20:19:06	Common Pipistrelle
20:19:39	Common Pipistrelle
20:19:52	Common Pipistrelle
20:19:57	Common Pipistrelle
20:20:46	Common Pipistrelle
20:21:29	Common Pipistrelle
20:22:43	Common Pipistrelle
20:26:19	Common Pipistrelle
20:26:21	Common Pipistrelle
20:26:55	Common Pipistrelle
20:27:32	Common Pipistrelle
20:27:47	Common Pipistrelle
20:27:59	Common Pipistrelle
20:28:14	Common Pipistrelle
20:28:32	Common Pipistrelle
20:28:41	Common Pipistrelle
20:30:53	Common Pipistrelle
20:31:42	Common Pipistrelle
20:31:51	Common Pipistrelle
20:31:57	Common Pipistrelle
20:32:13	Common Pipistrelle
20:32:28	Common Pipistrelle
20:32:43	Common Pipistrelle
20:34:35	Common Pipistrelle
20:34:45	Common Pipistrelle
20:37:18	Common Pipistrelle
20:37:21	Common Pipistrelle
20:38:02	Common Pipistrelle
20:39:34	Brown Long-eared

20:39:36	Brown Long-eared
20:39:58	Common Pipistrelle
20:41:36	Common Pipistrelle
20:43:58	Common Pipistrelle
20:44:00	Common Pipistrelle
20:44:44	Soprano Pipistrelle
20:48:16	Common Pipistrelle
20:49:28	Common Pipistrelle
20:50:55	Common Pipistrelle
20:51:31	Common Pipistrelle
20:52:39	Common Pipistrelle
20:52:57	Common Pipistrelle
20:55:09	Common Pipistrelle
20:55:23	Common Pipistrelle
20:55:43	Common Pipistrelle
20:55:54	Common Pipistrelle
20:56:09	Common Pipistrelle
21:02:25	Common Pipistrelle
21:02:27	Common Pipistrelle
21:02:38	Common Pipistrelle
21:04:17	Common Pipistrelle
21:07:15	Common Pipistrelle
21:07:19	Common Pipistrelle
21:07:23	Common Pipistrelle
21:07:57	Common Pipistrelle
21:11:24	Common Pipistrelle
21:12:33	Common Pipistrelle
21:15:03	Common Pipistrelle
21:16:09	Common Pipistrelle
21:16:11	Common Pipistrelle
21:16:17	Common Pipistrelle
21:17:17	Common Pipistrelle
21:17:52	Common Pipistrelle
21:18:42	Common Pipistrelle
21:20:14	Common Pipistrelle
21:21:41	Brown Long-eared
21:21:44	Brown Long-eared
21:21:50	Brown Long-eared
21:21:52	Brown Long-eared
21:22:22	Common Pipistrelle
21:23:08	Common Pipistrelle
21:23:19	Common Pipistrelle

21:23:35	Common Pipistrelle
21:23:52	Brown Long-eared
21:23:58	Brown Long-eared
21:24:01	Brown Long-eared
21:24:07	Brown Long-eared
21:24:53	Brown Long-eared
21:24:55	Brown Long-eared
21:24:58	Brown Long-eared
21:26:17	Common Pipistrelle
21:26:57	Brown Long-eared
21:29:00	Barbastelle
21:29:18	Common Pipistrelle
21:29:30	Common Pipistrelle
21:29:44	Common Pipistrelle
21:29:58	Common Pipistrelle
21:30:29	Brown Long-eared
21:30:47	Common Pipistrelle
21:30:59	Common Pipistrelle
21:31:10	Common Pipistrelle
21:32:23	Brown Long-eared
21:36:04	Common Pipistrelle
21:37:14	Brown Long-eared
21:38:48	Common Pipistrelle
21:39:33	Common Pipistrelle
21:40:37	Brown Long-eared
21:40:39	Brown Long-eared
21:40:57	Common Pipistrelle
21:42:18	Common Pipistrelle
21:43:20	Common Pipistrelle
21:44:38	Common Pipistrelle
21:44:53	Common Pipistrelle
21:46:21	Common Pipistrelle
21:47:19	Common Pipistrelle
21:50:08	Brown Long-eared
21:50:11	Brown Long-eared
21:50:40	Brown Long-eared
21:50:54	Common Pipistrelle
21:51:20	Common Pipistrelle
21:51:53	Common Pipistrelle
21:56:25	Common Pipistrelle
21:58:12	Common Pipistrelle
21:59:33	Common Pipistrelle

21:59:46	Common Pipistrelle
22:01:20	Brown Long-eared
22:04:30	Brown Long-eared
22:04:49	Common Pipistrelle
22:05:56	Common Pipistrelle
22:06:55	Common Pipistrelle
22:07:36	Common Pipistrelle
22:08:35	Common Pipistrelle
22:08:38	Common Pipistrelle
22:10:19	Common Pipistrelle
22:12:35	Common Pipistrelle
22:12:38	Common Pipistrelle
22:13:27	Common Pipistrelle
22:14:28	Common Pipistrelle
22:16:43	Common Pipistrelle
22:19:46	Common Pipistrelle
22:20:40	Common Pipistrelle
22:23:03	Common Pipistrelle
22:23:07	Common Pipistrelle
22:24:05	Common Pipistrelle
22:24:16	Common Pipistrelle
22:29:06	Common Pipistrelle
22:31:42	Common Pipistrelle
22:37:08	Common Pipistrelle
22:39:34	Common Pipistrelle
22:41:34	Common Pipistrelle
22:45:05	Common Pipistrelle
22:49:02	Common Pipistrelle
22:50:40	Common Pipistrelle
23:01:06	Common Pipistrelle
23:02:10	Common Pipistrelle
23:03:30	Common Pipistrelle
23:06:30	Common Pipistrelle
23:08:36	Common Pipistrelle
23:15:57	Common Pipistrelle
23:15:59	Common Pipistrelle
23:17:07	Common Pipistrelle
23:20:35	Common Pipistrelle
23:26:08	Common Pipistrelle
23:30:53	Common Pipistrelle
23:32:40	Common Pipistrelle
23:34:19	Common Pipistrelle

23:39:29	Common Pipistrelle
23:39:32	Common Pipistrelle
23:56:54	Common Pipistrelle
00:03:17	Common Pipistrelle
00:10:13	Brown Long-eared
02:30:25	Daubenton
02:30:25	Daubenton

11th September

TIME	MANUAL ID
19:53:28	Common Pipistrelle
19:53:38	Common Pipistrelle
19:53:52	Common Pipistrelle
19:54:07	Common Pipistrelle
19:54:22	Common Pipistrelle
19:54:31	Common Pipistrelle
19:57:50	Common Pipistrelle
19:57:58	Common Pipistrelle
19:58:13	Common Pipistrelle
19:58:25	Common Pipistrelle
20:02:06	Common Pipistrelle
20:02:14	Common Pipistrelle
20:02:24	Common Pipistrelle
20:04:45	Common Pipistrelle
20:04:53	Common Pipistrelle
20:05:16	Common Pipistrelle
20:05:49	Common Pipistrelle
20:06:12	Common Pipistrelle
20:06:14	Common Pipistrelle
20:06:31	Common Pipistrelle
20:07:30	Common Pipistrelle
20:08:06	Common Pipistrelle
20:08:26	Common Pipistrelle
20:09:11	Common Pipistrelle
20:09:16	Common Pipistrelle
20:09:33	Common Pipistrelle
20:09:43	Common Pipistrelle
20:12:18	Common Pipistrelle
20:13:01	Common Pipistrelle
20:17:06	Common Pipistrelle
20:17:52	Common Pipistrelle
20:33:15	Brown Long-eared

20:35:01	Common Pipistrelle
20:55:03	Common Pipistrelle
20:57:16	Brown Long-eared
21:04:37	Common Pipistrelle
21:05:47	Common Pipistrelle
21:12:53	Common Pipistrelle
21:14:34	Common Pipistrelle
21:18:17	Common Pipistrelle
21:19:23	Common Pipistrelle
21:21:35	Common Pipistrelle
21:22:00	Common Pipistrelle
21:22:12	Common Pipistrelle
21:24:30	Common Pipistrelle
21:25:04	Common Pipistrelle
21:28:49	Common Pipistrelle
21:31:22	Common Pipistrelle
21:32:44	Common Pipistrelle
21:45:06	Common Pipistrelle
21:47:47	Common Pipistrelle
21:49:46	Brown Long-eared
21:50:12	Common Pipistrelle
21:51:00	Common Pipistrelle
21:51:26	Common Pipistrelle
21:52:17	Common Pipistrelle
21:55:02	Common Pipistrelle
21:56:17	Common Pipistrelle
22:05:59	Brown Long-eared
22:16:50	Brown Long-eared
22:21:43	Brown Long-eared
22:21:55	Brown Long-eared
22:58:11	Barbastelle
23:21:07	Brown Long-eared
23:21:09	Brown Long-eared
23:24:33	Brown Long-eared
23:52:02	Brown Long-eared
00:26:41	Brown Long-eared
00:36:45	Brown Long-eared
00:54:58	Brown Long-eared
01:40:53	Brown Long-eared
01:57:43	Brown Long-eared
02:06:41	Brown Long-eared
02:41:15	Brown Long-eared

03:11:38	Brown Long-eared
03:19:51	Brown Long-eared
04:41:09	Brown Long-eared
23:21:09	Brown Long-eared
23:24:33	Brown Long-eared
23:52:02	Brown Long-eared
00:26:41	Brown Long-eared
00:36:45	Brown Long-eared
00:54:58	Brown Long-eared
01:40:53	Brown Long-eared
01:57:43	Brown Long-eared
02:06:41	Brown Long-eared
02:41:15	Brown Long-eared
03:11:38	Brown Long-eared
03:19:51	Brown Long-eared
04:41:09	Brown Long-eared

12th September

TIME	**MANUAL ID**
19:50:27	Common Pipistrelle
19:50:42	Common Pipistrelle
19:50:52	Common Pipistrelle
19:51:07	Common Pipistrelle
19:51:21	Common Pipistrelle
19:51:25	Common Pipistrelle
19:51:40	Common Pipistrelle
19:51:49	Common Pipistrelle
19:52:04	Common Pipistrelle
19:52:18	Common Pipistrelle
19:52:33	Common Pipistrelle
19:52:48	Common Pipistrelle
19:52:51	Common Pipistrelle
19:53:06	Common Pipistrelle
19:53:13	Common Pipistrelle
19:53:38	Common Pipistrelle
19:54:05	Common Pipistrelle
19:54:14	Common Pipistrelle
19:55:17	Common Pipistrelle
19:55:29	Common Pipistrelle
19:55:37	Common Pipistrelle
19:55:52	Common Pipistrelle
19:56:07	Common Pipistrelle

19:56:12	Common Pipistrelle
19:56:29	Common Pipistrelle
19:56:34	Common Pipistrelle
19:56:49	Common Pipistrelle
19:57:08	Common Pipistrelle
19:57:10	Common Pipistrelle
19:57:20	Common Pipistrelle
19:57:42	Common Pipistrelle
19:58:05	Common Pipistrelle
19:58:29	Common Pipistrelle
19:59:58	Common Pipistrelle
20:00:17	Common Pipistrelle
20:01:18	Common Pipistrelle
20:01:36	Common Pipistrelle
20:02:22	Common Pipistrelle
20:03:15	Common Pipistrelle
20:12:58	Common Pipistrelle
20:15:45	Common Pipistrelle
20:16:57	Common Pipistrelle
20:16:59	Common Pipistrelle
20:17:49	Common Pipistrelle
20:18:22	Common Pipistrelle
20:19:03	Common Pipistrelle
20:19:19	Common Pipistrelle
20:22:15	Common Pipistrelle
20:23:53	Common Pipistrelle
20:24:36	Common Pipistrelle
20:25:56	Common Pipistrelle
20:27:28	Common Pipistrelle
20:28:02	Common Pipistrelle
20:28:29	Common Pipistrelle
20:29:30	Common Pipistrelle
20:29:37	Common Pipistrelle
20:32:39	Common Pipistrelle
20:32:49	Common Pipistrelle
20:46:25	Common Pipistrelle
20:49:28	Common Pipistrelle
20:49:42	Common Pipistrelle
20:50:59	Brown Long-eared
20:55:19	Common Pipistrelle
21:00:13	Brown Long-eared
21:01:44	Common Pipistrelle

21:04:51	Common Pipistrelle
21:08:24	Common Pipistrelle
21:11:46	Common Pipistrelle
21:12:08	Common Pipistrelle
21:12:44	Common Pipistrelle
21:13:24	Common Pipistrelle
21:13:39	Brown Long-eared
21:16:26	Common Pipistrelle
21:16:50	Brown Long-eared
21:19:35	Common Pipistrelle
21:20:06	Common Pipistrelle
21:27:40	Common Pipistrelle
21:28:45	Brown Long-eared
21:28:48	Brown Long-eared
21:29:17	Common Pipistrelle
21:29:32	Common Pipistrelle
21:29:58	Common Pipistrelle
21:30:31	Common Pipistrelle
21:31:30	Noctule
21:32:10	Common Pipistrelle
21:33:19	Common Pipistrelle
21:33:33	Brown Long-eared
21:37:06	Common Pipistrelle
21:37:50	Brown Long-eared
21:37:53	Brown Long-eared
21:41:19	Common Pipistrelle
21:42:47	Brown Long-eared
21:43:15	Brown Long-eared
21:43:52	Common Pipistrelle
21:46:17	Common Pipistrelle
21:54:16	Brown Long-eared
21:56:32	Common Pipistrelle
22:03:16	Brown Long-eared
22:10:14	Brown Long-eared
22:19:18	Nathusius Pipistrelle
22:29:07	Brown Long-eared
22:29:27	Brown Long-eared
22:29:33	Brown Long-eared
22:33:34	Brown Long-eared
22:37:58	Brown Long-eared
22:52:17	Brown Long-eared
23:01:05	Common Pipistrelle

23:01:45	Brown Long-eared
23:19:00	Brown Long-eared
23:28:58	Brown Long-eared
23:44:17	Natterers
23:49:25	Brown Long-eared
23:49:28	Brown Long-eared
23:59:17	Brown Long-eared
23:59:19	Brown Long-eared
00:54:07	Brown Long-eared
00:56:21	Brown Long-eared
00:56:32	Brown Long-eared
01:12:51	Brown Long-eared
02:15:35	Noctule
05:52:42	Common Pipistrelle
06:11:26	Common Pipistrelle
05:52:42	Common Pipistrelle
06:11:26	Common Pipistrelle

13th September

TIME	**MANUAL ID**
19:32:29	Common Pipistrelle
19:33:34	Common Pipistrelle
19:33:46	Common Pipistrelle
19:33:53	Common Pipistrelle
19:36:10	Common Pipistrelle
19:44:33	Common Pipistrelle
19:52:26	Common Pipistrelle
19:52:37	Common Pipistrelle
19:53:05	Common Pipistrelle
19:54:11	Common Pipistrelle
19:54:19	Common Pipistrelle
19:55:39	Common Pipistrelle
19:56:19	Common Pipistrelle
19:56:47	Common Pipistrelle
19:57:02	Common Pipistrelle
19:57:45	Common Pipistrelle
19:58:14	Common Pipistrelle
19:58:54	Common Pipistrelle
19:59:08	Common Pipistrelle
19:59:25	Common Pipistrelle
19:59:39	Common Pipistrelle
19:59:59	Common Pipistrelle

20:00:30	Common Pipistrelle
20:00:45	Common Pipistrelle
20:01:08	Common Pipistrelle
20:01:17	Common Pipistrelle
20:02:35	Common Pipistrelle
20:03:00	Common Pipistrelle
20:03:08	Common Pipistrelle
20:04:44	Common Pipistrelle
20:16:40	Daubenton
20:19:23	Barbastelle
20:35:10	Noctule
20:35:14	Noctule
20:40:00	Common Pipistrelle
20:45:46	Brown Long-eared
21:23:06	Daubenton
21:39:54	Brown Long-eared
21:41:44	Brown Long-eared
21:41:57	Brown Long-eared
21:47:27	Brown Long-eared
22:40:15	Barbastelle
22:41:24	Barbastelle
22:48:40	Brown Long-eared
23:04:59	Barbastelle
23:53:25	Daubenton
00:03:54	Daubenton
00:17:50	Brown Long-eared
00:37:26	Brown Long-eared

Date	Time of Sunset	Time of Sunrise	Weather Conditions
02/04/26	19:35	06:32	11 – 9ºC, low wind, no rain
03/04/26	19:36	06:29	15 – 11ºC, low wind, no rain
04/04/26	19:38	06:27	14 – 12ºC, low wind, no rain
05/04/26	19:40	06:25	13 – 9ºC, low wind, no rain
06/04/26	19:41	06:23	14 – 9ºC, low wind, no rain

2nd April

TIME	MANUAL ID
19:58:16	Common Pipistrelle
19:59:55	Common Pipistrelle
20:03:49	Common Pipistrelle
20:04:03	Common Pipistrelle
20:04:08	Common Pipistrelle
20:04:25	Common Pipistrelle
20:05:02	Common Pipistrelle
20:05:19	Common Pipistrelle
20:05:27	Common Pipistrelle
20:05:38	Common Pipistrelle
20:05:43	Common Pipistrelle
20:06:15	Common Pipistrelle
20:06:22	Common Pipistrelle
20:07:01	Common Pipistrelle
20:07:48	Common Pipistrelle
20:08:26	Common Pipistrelle
20:08:42	Common Pipistrelle
20:08:48	Common Pipistrelle
20:09:44	Common Pipistrelle
20:10:25	Common Pipistrelle
20:10:28	Common Pipistrelle
20:15:20	Common Pipistrelle
20:17:05	Common Pipistrelle
20:28:13	Common Pipistrelle
20:31:36	Common Pipistrelle
20:39:54	Common Pipistrelle
21:54:49	Brown Long-eared
22:08:38	Brown Long-eared
22:26:02	Brown Long-eared
22:26:02	Brown Long-eared

3rd April

TIME	MANUAL ID
19:52:15	Common Pipistrelle
19:56:36	Noctule
19:56:39	Noctule
19:56:47	Noctule
19:57:09	Noctule
19:57:14	Noctule
19:57:17	Noctule
19:57:20	Noctule
19:57:22	Noctule
19:57:57	Noctule
19:58:02	Noctule
19:58:26	Noctule
19:58:35	Noctule
19:59:14	Noctule
20:01:22	Noctule
20:01:24	Noctule
20:01:27	Noctule
20:01:43	Noctule
20:07:20	Common Pipistrelle
20:07:24	Common Pipistrelle
20:13:12	Common Pipistrelle
20:15:20	Common Pipistrelle
20:15:33	Common Pipistrelle
20:15:52	Common Pipistrelle
20:16:02	Common Pipistrelle
20:16:09	Common Pipistrelle
20:16:14	Common Pipistrelle
20:16:35	Common Pipistrelle
20:16:39	Common Pipistrelle
20:16:50	Common Pipistrelle
20:17:39	Common Pipistrelle
20:19:06	Common Pipistrelle
20:19:13	Common Pipistrelle
20:19:16	Common Pipistrelle
20:19:20	Common Pipistrelle
20:19:44	Common Pipistrelle
20:19:50	Common Pipistrelle
20:19:53	Common Pipistrelle
20:22:19	Common Pipistrelle
20:23:07	Common Pipistrelle

20:25:45	Common Pipistrelle
20:25:48	Common Pipistrelle
20:22:19	Common Pipistrelle
20:23:07	Common Pipistrelle
20:25:45	Common Pipistrelle
20:25:48	Common Pipistrelle
20:28:30	Common Pipistrelle
20:42:37	Common Pipistrelle
20:45:33	Brown Long-eared
20:50:02	Common Pipistrelle
20:50:12	Common Pipistrelle
20:52:05	Common Pipistrelle
20:52:07	Common Pipistrelle
20:52:18	Common Pipistrelle
20:52:24	Common Pipistrelle
20:52:58	Common Pipistrelle
20:53:16	Common Pipistrelle
20:53:19	Common Pipistrelle
20:53:26	Common Pipistrelle
20:54:40	Soprano Pipistrelle
20:58:30	Common Pipistrelle
20:58:32	Common Pipistrelle
21:02:16	Common Pipistrelle
21:02:26	Common Pipistrelle
21:06:33	Common Pipistrelle
21:06:35	Common Pipistrelle
21:06:42	Common Pipistrelle
21:10:13	Common Pipistrelle
21:14:56	Common Pipistrelle
21:15:22	Common Pipistrelle
21:15:30	Common Pipistrelle
21:15:32	Common Pipistrelle
21:15:38	Common Pipistrelle
21:16:15	Common Pipistrelle
21:16:20	Common Pipistrelle
21:16:27	Common Pipistrelle
21:16:47	Common Pipistrelle
21:22:10	Common Pipistrelle
21:23:47	Common Pipistrelle
21:23:59	Common Pipistrelle
22:15:44	Natterers
22:15:48	Natterers

22:16:38	Natterers
22:17:28	Natterers
23:31:52	Common Pipistrelle
23:34:51	Common Pipistrelle
23:34:55	Common Pipistrelle
23:40:21	Common Pipistrelle
23:46:57	Common Pipistrelle
23:47:03	Common Pipistrelle
23:47:16	Common Pipistrelle
23:52:06	Common Pipistrelle
23:52:33	Common Pipistrelle
23:52:50	Common Pipistrelle
23:52:52	Common Pipistrelle
23:53:05	Common Pipistrelle
23:53:49	Common Pipistrelle
23:53:56	Common Pipistrelle
23:53:59	Common Pipistrelle
23:54:14	Common Pipistrelle
23:54:42	Common Pipistrelle
23:57:15	Common Pipistrelle
23:57:47	Common Pipistrelle
23:57:50	Common Pipistrelle
23:57:58	Common Pipistrelle
23:58:11	Common Pipistrelle
23:58:24	Common Pipistrelle
23:59:09	Common Pipistrelle
23:59:23	Common Pipistrelle
23:59:28	Common Pipistrelle
00:00:15	Common Pipistrelle
00:00:24	Common Pipistrelle
00:00:32	Common Pipistrelle
00:00:50	Common Pipistrelle
00:01:34	Common Pipistrelle
00:01:46	Common Pipistrelle
00:01:56	Common Pipistrelle
00:02:18	Common Pipistrelle
00:02:22	Common Pipistrelle
00:03:27	Common Pipistrelle
00:03:29	Common Pipistrelle
00:06:02	Common Pipistrelle
00:06:06	Common Pipistrelle
00:06:20	Common Pipistrelle

00:06:37	Common Pipistrelle
00:06:54	Common Pipistrelle
00:07:12	Common Pipistrelle
00:09:00	Common Pipistrelle
00:09:02	Common Pipistrelle
00:09:13	Common Pipistrelle
00:09:32	Common Pipistrelle
00:10:00	Common Pipistrelle
00:10:05	Common Pipistrelle
00:10:09	Common Pipistrelle
00:13:28	Common Pipistrelle
00:13:34	Common Pipistrelle
00:21:07	Common Pipistrelle
00:25:58	Soprano Pipistrelle
00:27:04	Common Pipistrelle
00:33:41	Common Pipistrelle
00:38:54	Common Pipistrelle
00:40:21	Common Pipistrelle
00:40:25	Common Pipistrelle
01:01:54	Common Pipistrelle
01:14:26	Common Pipistrelle

4th April

TIME	MANUAL ID
20:02:17	Noctule
20:02:21	Noctule
20:02:31	Noctule
20:03:06	Noctule
20:03:09	Noctule
20:03:11	Noctule
20:12:16	Common Pipistrelle
20:12:26	Common Pipistrelle
20:12:34	Common Pipistrelle
20:12:36	Common Pipistrelle
20:12:41	Common Pipistrelle
20:12:54	Common Pipistrelle
20:13:53	Common Pipistrelle
20:15:49	Common Pipistrelle
20:15:51	Common Pipistrelle
20:15:54	Common Pipistrelle
20:19:53	Common Pipistrelle
20:19:55	Common Pipistrelle

5th April

TIME	MANUAL ID
20:12:04	Common Pipistrelle
20:13:32	Common Pipistrelle
20:13:38	Common Pipistrelle
20:13:45	Common Pipistrelle
20:26:43	Brown Long-eared
20:59:45	Common Pipistrelle
21:35:37	Brown Long-eared

6th April

TIME	MANUAL ID
20:02:58	Common Pipistrelle
20:03:07	Common Pipistrelle
20:05:46	Common Pipistrelle
20:09:02	Common Pipistrelle
20:09:08	Common Pipistrelle
20:15:27	Common Pipistrelle
20:15:30	Common Pipistrelle
20:19:33	Common Pipistrelle
20:20:19	Common Pipistrelle
20:20:33	Common Pipistrelle
20:21:41	Common Pipistrelle
20:22:36	Brown Long-eared
20:22:48	Common Pipistrelle
20:22:52	Common Pipistrelle
20:23:08	Common Pipistrelle
20:23:24	Common Pipistrelle
20:23:26	Common Pipistrelle
20:26:21	Common Pipistrelle
20:26:31	Common Pipistrelle
20:26:45	Common Pipistrelle
20:27:15	Common Pipistrelle
20:27:29	Common Pipistrelle
20:27:43	Common Pipistrelle
20:27:51	Common Pipistrelle
20:27:59	Common Pipistrelle
20:28:09	Common Pipistrelle
20:28:16	Common Pipistrelle
20:28:52	Common Pipistrelle
20:29:14	Common Pipistrelle
20:29:24	Common Pipistrelle

20:29:32	Common Pipistrelle
20:29:35	Common Pipistrelle
20:29:40	Common Pipistrelle
20:29:45	Common Pipistrelle
20:30:05	Common Pipistrelle
20:30:22	Common Pipistrelle
20:30:40	Common Pipistrelle
20:31:00	Common Pipistrelle
20:31:06	Common Pipistrelle
20:31:21	Common Pipistrelle
20:31:40	Common Pipistrelle
20:31:44	Common Pipistrelle
20:31:51	Common Pipistrelle
20:32:02	Common Pipistrelle
20:32:14	Common Pipistrelle
20:32:18	Common Pipistrelle
20:32:25	Common Pipistrelle
20:32:31	Common Pipistrelle
20:32:49	Common Pipistrelle
20:32:55	Common Pipistrelle
20:33:01	Common Pipistrelle
20:33:11	Common Pipistrelle
20:33:16	Common Pipistrelle
20:33:28	Common Pipistrelle
20:34:24	Common Pipistrelle
20:34:26	Common Pipistrelle
20:34:37	Common Pipistrelle
20:34:48	Common Pipistrelle
20:35:02	Common Pipistrelle
20:35:12	Brown Long-eared
20:35:28	Common Pipistrelle
20:35:45	Common Pipistrelle
20:35:48	Common Pipistrelle
20:36:18	Brown Long-eared
20:36:37	Common Pipistrelle
20:36:42	Common Pipistrelle
20:36:55	Common Pipistrelle
20:37:30	Common Pipistrelle
20:39:27	Common Pipistrelle
20:40:52	Common Pipistrelle
20:44:15	Brown Long-eared
20:44:25	Common Pipistrelle

20:46:26	Common Pipistrelle
20:46:29	Common Pipistrelle
20:46:31	Common Pipistrelle
20:46:48	Brown Long-eared
20:46:54	Common Pipistrelle
20:47:00	Common Pipistrelle
20:47:07	Common Pipistrelle
20:47:12	Common Pipistrelle
20:47:23	Common Pipistrelle
20:47:28	Common Pipistrelle
20:47:31	Common Pipistrelle
20:47:34	Common Pipistrelle
20:47:52	Common Pipistrelle
20:47:55	Brown Long-eared
20:48:03	Common Pipistrelle
20:48:11	Common Pipistrelle
20:49:34	Brown Long-eared
20:50:08	Brown Long-eared
20:50:22	Common Pipistrelle
20:52:03	Common Pipistrelle
20:52:18	Common Pipistrelle
23:10:35	Common Pipistrelle
23:10:40	Common Pipistrelle
23:11:15	Common Pipistrelle
23:11:52	Common Pipistrelle

June

Date	Time of Sunset	Time of Sunrise	Weather Conditions
04/06/26	21:09	04:48	17 – 13ºC, low wind, no rain
05/06/26	21:10	04:48	17 – 11ºC, low wind, no rain
06/06/26	21:11	04:47	16 – 12ºC, low wind, no rain
07/06/26	21:12	04:47	17 – 10ºC, low wind, no rain
08/06/26	21:12	04:46	16 – 9ºC, low wind, no rain

4th June

TIME	MANUAL ID
21:52:54	Common Pipistrelle
21:53:01	Common Pipistrelle
21:53:22	Common Pipistrelle
21:53:59	Common Pipistrelle
21:54:26	Common Pipistrelle

21:54:46	Common Pipistrelle
21:54:58	Common Pipistrelle
21:55:09	Common Pipistrelle
21:55:20	Common Pipistrelle
21:55:33	Common Pipistrelle
21:56:41	Common Pipistrelle
21:57:02	Common Pipistrelle
21:57:11	Common Pipistrelle
21:57:24	Common Pipistrelle
21:57:37	Common Pipistrelle
21:57:46	Common Pipistrelle
21:58:07	Common Pipistrelle
21:58:11	Common Pipistrelle
21:58:27	Common Pipistrelle
21:58:31	Common Pipistrelle
21:58:46	Common Pipistrelle
21:58:59	Common Pipistrelle
21:59:13	Common Pipistrelle
21:59:29	Common Pipistrelle
21:59:36	Common Pipistrelle
21:59:50	Common Pipistrelle
22:00:06	Common Pipistrelle
22:00:33	Common Pipistrelle
22:00:45	Common Pipistrelle
22:00:47	Common Pipistrelle
22:01:24	Common Pipistrelle
22:01:44	Common Pipistrelle
22:02:09	Common Pipistrelle
22:02:22	Common Pipistrelle
22:02:32	Common Pipistrelle
22:03:39	Common Pipistrelle
22:04:08	Common Pipistrelle
22:04:18	Common Pipistrelle
22:05:34	Serotine
22:33:00	Common Pipistrelle
22:35:16	Common Pipistrelle
22:36:01	Common Pipistrelle
22:36:41	Daubenton
22:36:47	Common Pipistrelle
22:38:04	Common Pipistrelle
22:38:26	Common Pipistrelle
22:38:45	Common Pipistrelle

22:39:23	Common Pipistrelle
22:39:46	Common Pipistrelle
22:40:09	Common Pipistrelle
22:40:34	Common Pipistrelle
22:40:51	Common Pipistrelle
22:41:02	Common Pipistrelle
22:41:16	Common Pipistrelle
22:41:30	Common Pipistrelle
22:42:48	Common Pipistrelle
22:43:50	Common Pipistrelle
22:43:55	Common Pipistrelle
22:44:05	Common Pipistrelle
22:44:09	Common Pipistrelle
22:44:39	Common Pipistrelle
22:45:00	Common Pipistrelle
22:45:16	Common Pipistrelle
22:45:28	Soprano Pipistrelle
22:46:57	Common Pipistrelle
22:47:05	Common Pipistrelle
22:50:45	Brown Long-eared
22:54:44	Common Pipistrelle
22:54:46	Common Pipistrelle
22:55:01	Common Pipistrelle
22:55:50	Common Pipistrelle
22:57:11	Common Pipistrelle
22:57:24	Common Pipistrelle
22:57:35	Common Pipistrelle
22:58:34	Common Pipistrelle
23:08:43	Common Pipistrelle
23:18:27	Soprano Pipistrelle
23:18:37	Soprano Pipistrelle
23:18:38	Soprano Pipistrelle
23:30:18	Common Pipistrelle
23:31:48	Common Pipistrelle
23:32:06	Common Pipistrelle
23:32:08	Common Pipistrelle
23:32:20	Common Pipistrelle
23:33:37	Common Pipistrelle
23:34:25	Common Pipistrelle
23:40:35	Common Pipistrelle
23:58:49	Common Pipistrelle
23:59:45	Soprano Pipistrelle

00:18:18	Common Pipistrelle
00:18:51	Common Pipistrelle
00:20:38	Common Pipistrelle
00:20:57	Common Pipistrelle
00:30:17	Common Pipistrelle
00:30:32	Common Pipistrelle
00:30:36	Common Pipistrelle
00:30:50	Common Pipistrelle
00:31:05	Common Pipistrelle
00:31:20	Common Pipistrelle
00:31:34	Common Pipistrelle
00:31:49	Common Pipistrelle
00:32:04	Common Pipistrelle
00:32:18	Common Pipistrelle
00:32:33	Common Pipistrelle
00:32:48	Common Pipistrelle
00:33:02	Common Pipistrelle
00:33:17	Common Pipistrelle
00:33:32	Common Pipistrelle
00:33:46	Common Pipistrelle
00:34:01	Common Pipistrelle
00:34:13	Common Pipistrelle
00:34:15	Common Pipistrelle
00:34:26	Common Pipistrelle
00:34:38	Common Pipistrelle
00:34:53	Common Pipistrelle
00:34:56	Common Pipistrelle
00:35:12	Common Pipistrelle
00:35:27	Common Pipistrelle
00:35:32	Common Pipistrelle
00:35:34	Common Pipistrelle
00:35:49	Common Pipistrelle
00:36:04	Common Pipistrelle
00:36:15	Common Pipistrelle
00:36:35	Common Pipistrelle
00:36:37	Common Pipistrelle
00:36:45	Common Pipistrelle
00:36:47	Common Pipistrelle
00:37:01	Common Pipistrelle
00:37:14	Common Pipistrelle
00:37:19	Common Pipistrelle
00:37:28	Common Pipistrelle

00:38:05	Common Pipistrelle
00:38:11	Common Pipistrelle
00:38:16	Common Pipistrelle
00:38:20	Common Pipistrelle
00:38:29	Common Pipistrelle
00:38:32	Common Pipistrelle
00:38:45	Common Pipistrelle
00:38:48	Common Pipistrelle
00:38:50	Common Pipistrelle
00:38:58	Common Pipistrelle
00:39:00	Common Pipistrelle
00:39:15	Common Pipistrelle
00:39:30	Common Pipistrelle
00:39:47	Common Pipistrelle
00:40:01	Common Pipistrelle
00:40:16	Common Pipistrelle
00:40:20	Common Pipistrelle
00:40:25	Common Pipistrelle
00:40:27	Common Pipistrelle
00:40:31	Common Pipistrelle
00:40:42	Common Pipistrelle
00:40:56	Common Pipistrelle
00:41:06	Common Pipistrelle
00:41:28	Common Pipistrelle
00:41:39	Common Pipistrelle
00:41:45	Common Pipistrelle
00:42:01	Common Pipistrelle
00:42:06	Common Pipistrelle
00:42:11	Common Pipistrelle
00:42:16	Common Pipistrelle
00:42:20	Common Pipistrelle
00:42:23	Common Pipistrelle
00:42:30	Common Pipistrelle
00:42:36	Common Pipistrelle
00:42:40	Common Pipistrelle
00:42:42	Common Pipistrelle
00:42:46	Common Pipistrelle
00:42:47	Common Pipistrelle
00:42:52	Common Pipistrelle
00:43:02	Common Pipistrelle
00:43:08	Common Pipistrelle
00:43:23	Common Pipistrelle

00:43:27	Common Pipistrelle
00:43:36	Common Pipistrelle
00:43:41	Common Pipistrelle
00:43:44	Common Pipistrelle
00:43:48	Common Pipistrelle
00:44:00	Common Pipistrelle
00:44:02	Common Pipistrelle
00:44:04	Common Pipistrelle
00:44:07	Common Pipistrelle
00:44:10	Common Pipistrelle
00:44:26	Common Pipistrelle
00:44:35	Common Pipistrelle
00:44:39	Common Pipistrelle
00:44:43	Common Pipistrelle
00:44:47	Common Pipistrelle
00:44:51	Common Pipistrelle
00:44:56	Common Pipistrelle
00:45:04	Common Pipistrelle
00:45:08	Common Pipistrelle
00:45:20	Common Pipistrelle
00:45:26	Common Pipistrelle
00:45:29	Common Pipistrelle
00:45:34	Common Pipistrelle
00:45:40	Common Pipistrelle
00:45:47	Common Pipistrelle
00:45:56	Common Pipistrelle
00:46:00	Common Pipistrelle
00:46:07	Common Pipistrelle
00:46:10	Common Pipistrelle
00:46:15	Common Pipistrelle
00:46:21	Common Pipistrelle
00:46:23	Common Pipistrelle
00:46:30	Common Pipistrelle
00:46:37	Common Pipistrelle
00:46:42	Common Pipistrelle
00:46:52	Common Pipistrelle
00:46:59	Common Pipistrelle
00:47:03	Common Pipistrelle
00:47:07	Common Pipistrelle
00:47:12	Common Pipistrelle
00:47:19	Common Pipistrelle
00:47:23	Common Pipistrelle

00:47:32	
00:47:38	Common Pipistrelle
00:47:45	
00:47:49	Common Pipistrelle
00:48:04	Common Pipistrelle
00:48:19	Common Pipistrelle
00:48:27	Common Pipistrelle
00:48:43	Common Pipistrelle
00:48:44	Common Pipistrelle
00:48:49	Common Pipistrelle
00:48:57	Common Pipistrelle
00:49:02	Common Pipistrelle
00:49:09	Common Pipistrelle
00:49:12	Common Pipistrelle
00:49:33	Common Pipistrelle
00:49:45	Common Pipistrelle
00:50:08	Common Pipistrelle
00:50:22	Common Pipistrelle
00:50:31	Common Pipistrelle
00:50:55	Common Pipistrelle
00:51:01	Common Pipistrelle
00:51:06	Common Pipistrelle
00:51:11	Common Pipistrelle
00:51:25	Common Pipistrelle
00:51:28	Common Pipistrelle
00:51:41	Common Pipistrelle
00:51:47	Common Pipistrelle
00:52:02	Common Pipistrelle
00:52:28	Common Pipistrelle
00:52:47	Common Pipistrelle
00:53:00	Common Pipistrelle
00:53:13	Common Pipistrelle
00:55:16	Common Pipistrelle
00:55:52	Common Pipistrelle
00:56:12	Common Pipistrelle
00:56:25	Common Pipistrelle
00:56:26	Common Pipistrelle
00:56:41	Common Pipistrelle
00:56:46	Common Pipistrelle
00:57:15	Common Pipistrelle
00:57:38	Common Pipistrelle
00:57:40	Common Pipistrelle

00:57:56	Common Pipistrelle
00:57:59	Common Pipistrelle
00:58:09	Common Pipistrelle
00:58:15	Common Pipistrelle
00:58:30	Common Pipistrelle
00:58:44	Common Pipistrelle
00:58:52	Common Pipistrelle
00:59:02	Common Pipistrelle
00:59:15	Common Pipistrelle
00:59:23	Common Pipistrelle
00:59:41	Common Pipistrelle
00:59:56	Common Pipistrelle
01:00:00	Common Pipistrelle
01:00:08	Common Pipistrelle
01:00:14	Common Pipistrelle
01:00:35	Common Pipistrelle
01:00:38	Common Pipistrelle
01:00:54	Common Pipistrelle
01:01:08	Common Pipistrelle
01:01:33	Common Pipistrelle
01:03:21	Common Pipistrelle
01:03:36	Common Pipistrelle
01:25:27	Common Pipistrelle
01:25:35	Common Pipistrelle
01:25:40	Common Pipistrelle
01:25:43	Common Pipistrelle
01:31:52	Common Pipistrelle
01:34:42	Common Pipistrelle
01:41:13	Common Pipistrelle
01:41:28	Common Pipistrelle
01:41:39	Common Pipistrelle
01:41:43	Common Pipistrelle
01:41:49	Common Pipistrelle
01:41:55	Common Pipistrelle
01:42:01	Common Pipistrelle
01:42:06	Common Pipistrelle
01:42:12	Common Pipistrelle
01:42:26	Common Pipistrelle
01:42:36	Common Pipistrelle
01:42:51	Common Pipistrelle
01:50:47	Common Pipistrelle
02:01:03	Common Pipistrelle

02:03:15	Common Pipistrelle
02:03:30	Common Pipistrelle
02:04:32	Common Pipistrelle
02:04:47	Common Pipistrelle
02:04:48	Common Pipistrelle
02:05:12	Common Pipistrelle
02:07:31	Common Pipistrelle
02:19:39	Barbastelle
02:24:24	Common Pipistrelle
02:24:26	Common Pipistrelle
02:26:33	Common Pipistrelle
02:26:52	Common Pipistrelle
02:26:57	Common Pipistrelle
02:28:12	Common Pipistrelle
02:45:30	Soprano Pipistrelle
03:40:34	Common Pipistrelle
03:41:03	Common Pipistrelle
03:45:07	Common Pipistrelle
03:49:11	Common Pipistrelle
03:51:06	Common Pipistrelle
03:51:13	Common Pipistrelle
03:54:26	Common Pipistrelle
03:56:42	Common Pipistrelle
03:56:57	Common Pipistrelle
03:58:24	Common Pipistrelle
03:58:38	Common Pipistrelle
03:58:42	Common Pipistrelle
03:59:18	Common Pipistrelle
04:00:13	Common Pipistrelle
04:00:54	Common Pipistrelle
04:05:14	Common Pipistrelle
04:05:25	Common Pipistrelle
04:05:34	Common Pipistrelle
04:05:36	Common Pipistrelle
04:06:57	Common Pipistrelle
04:08:10	Common Pipistrelle
04:08:52	Common Pipistrelle
04:10:22	Common Pipistrelle
04:13:48	Common Pipistrelle
04:14:30	Noctule
04:14:41	Noctule
04:14:43	Noctule

04:26:17	Common Pipistrelle

5th June

TIME	MANUAL ID
21:52:54	Common Pipistrelle
21:53:01	Common Pipistrelle
21:53:22	Common Pipistrelle
21:53:59	Common Pipistrelle
21:54:26	Common Pipistrelle
21:54:46	Common Pipistrelle
21:54:58	Common Pipistrelle
21:55:09	Common Pipistrelle
21:55:20	Common Pipistrelle
21:55:33	Common Pipistrelle
21:56:41	Common Pipistrelle
21:57:02	Common Pipistrelle
21:57:11	Common Pipistrelle
21:57:24	Common Pipistrelle
21:57:37	Common Pipistrelle
21:57:46	Common Pipistrelle
21:58:07	Common Pipistrelle
21:58:11	Common Pipistrelle
21:58:27	Common Pipistrelle
21:58:31	Common Pipistrelle
21:58:46	Common Pipistrelle
21:58:59	Common Pipistrelle
21:59:13	Common Pipistrelle
21:59:29	Common Pipistrelle
21:59:36	Common Pipistrelle
21:59:50	Common Pipistrelle
22:00:06	Common Pipistrelle
22:00:33	Common Pipistrelle
22:00:45	Common Pipistrelle
22:00:47	Common Pipistrelle
22:01:24	Common Pipistrelle
22:01:44	Common Pipistrelle
22:02:09	Common Pipistrelle
22:02:22	Common Pipistrelle
22:02:32	Common Pipistrelle
22:03:39	Common Pipistrelle

22:04:08	Common Pipistrelle
22:04:18	Common Pipistrelle
22:05:34	Serotine
22:33:00	Common Pipistrelle
22:35:16	Common Pipistrelle
22:36:01	Common Pipistrelle
22:36:41	Daubenton
22:36:47	Common Pipistrelle
22:38:04	Common Pipistrelle
22:38:26	Common Pipistrelle
22:38:45	Common Pipistrelle
22:39:23	Common Pipistrelle
22:39:46	Common Pipistrelle
22:40:09	Common Pipistrelle
22:40:34	Common Pipistrelle
22:40:51	Common Pipistrelle
22:41:02	Common Pipistrelle
22:41:16	Common Pipistrelle
22:41:30	Common Pipistrelle
22:42:48	Common Pipistrelle
22:43:50	Common Pipistrelle
22:43:55	Common Pipistrelle
22:44:05	Common Pipistrelle
22:44:09	Common Pipistrelle
22:44:39	Common Pipistrelle
22:45:00	Common Pipistrelle
22:45:16	Common Pipistrelle
22:45:28	Soprano Pipistrelle
22:46:57	Common Pipistrelle
22:47:05	Common Pipistrelle
22:50:45	Brown Long-eared
22:54:44	Common Pipistrelle
22:54:46	Common Pipistrelle
22:55:01	Common Pipistrelle
22:55:50	Common Pipistrelle
22:57:11	Common Pipistrelle
22:57:24	Common Pipistrelle
22:57:35	Common Pipistrelle
22:58:34	Common Pipistrelle
23:08:43	Common Pipistrelle
23:18:27	Soprano Pipistrelle
23:18:37	Soprano Pipistrelle

23:18:38	Soprano Pipistrelle
23:30:18	Common Pipistrelle
23:31:48	Common Pipistrelle
23:32:06	Common Pipistrelle
23:32:08	Common Pipistrelle
23:32:20	Common Pipistrelle
23:33:37	Common Pipistrelle
23:34:25	Common Pipistrelle
23:40:35	Common Pipistrelle
23:58:49	Common Pipistrelle
23:59:45	Soprano Pipistrelle
00:18:18	Common Pipistrelle
00:18:51	Common Pipistrelle
00:20:38	Common Pipistrelle
00:20:57	Common Pipistrelle
00:30:17	Common Pipistrelle
00:30:32	Common Pipistrelle
00:30:36	Common Pipistrelle
00:30:50	Common Pipistrelle
00:31:05	Common Pipistrelle
00:31:20	Common Pipistrelle
00:31:34	Common Pipistrelle
00:31:49	Common Pipistrelle
00:32:04	Common Pipistrelle
00:32:18	Common Pipistrelle
00:32:33	Common Pipistrelle
00:32:48	Common Pipistrelle
00:33:02	Common Pipistrelle
00:33:17	Common Pipistrelle
00:33:32	Common Pipistrelle
00:33:46	Common Pipistrelle
00:34:01	Common Pipistrelle
00:34:13	Common Pipistrelle
00:34:15	Common Pipistrelle
00:34:26	Common Pipistrelle
00:34:38	Common Pipistrelle
00:34:53	Common Pipistrelle
00:34:56	Common Pipistrelle
00:35:12	Common Pipistrelle
00:35:27	Common Pipistrelle
00:35:32	Common Pipistrelle
00:35:34	Common Pipistrelle

00:35:49	Common Pipistrelle
00:36:04	Common Pipistrelle
00:36:15	Common Pipistrelle
00:36:35	Common Pipistrelle
00:36:37	Common Pipistrelle
00:36:45	Common Pipistrelle
00:36:47	Common Pipistrelle
00:37:01	Common Pipistrelle
00:37:14	Common Pipistrelle
00:37:19	Common Pipistrelle
00:37:28	Common Pipistrelle
00:38:05	Common Pipistrelle
00:38:11	Common Pipistrelle
00:38:16	Common Pipistrelle
00:38:20	Common Pipistrelle
00:38:29	Common Pipistrelle
00:38:32	Common Pipistrelle
00:38:45	Common Pipistrelle
00:38:48	Common Pipistrelle
00:38:50	Common Pipistrelle
00:38:58	Common Pipistrelle
00:39:00	Common Pipistrelle
00:39:15	Common Pipistrelle
00:39:30	Common Pipistrelle
00:39:47	Common Pipistrelle
00:40:01	Common Pipistrelle
00:40:16	Common Pipistrelle
00:40:20	Common Pipistrelle
00:40:25	Common Pipistrelle
00:40:27	Common Pipistrelle
00:40:31	Common Pipistrelle
00:40:42	Common Pipistrelle
00:40:56	Common Pipistrelle
00:41:06	Common Pipistrelle
00:41:28	Common Pipistrelle
00:41:39	Common Pipistrelle
00:41:45	Common Pipistrelle
00:42:01	Common Pipistrelle
00:42:06	Common Pipistrelle
00:42:11	Common Pipistrelle
00:42:16	Common Pipistrelle
00:42:20	Common Pipistrelle

00:42:23	Common Pipistrelle
00:42:30	Common Pipistrelle
00:42:36	Common Pipistrelle
00:42:40	Common Pipistrelle
00:42:42	Common Pipistrelle
00:42:46	Common Pipistrelle
00:42:47	Common Pipistrelle
00:42:52	Common Pipistrelle
00:43:02	Common Pipistrelle
00:43:08	Common Pipistrelle
00:43:23	Common Pipistrelle
00:43:27	Common Pipistrelle
00:43:36	Common Pipistrelle
00:43:41	Common Pipistrelle
00:43:44	Common Pipistrelle
00:43:48	Common Pipistrelle
00:44:00	Common Pipistrelle
00:44:02	Common Pipistrelle
00:44:04	Common Pipistrelle
00:44:07	Common Pipistrelle
00:44:10	Common Pipistrelle
00:44:26	Common Pipistrelle
00:44:35	Common Pipistrelle
00:44:39	Common Pipistrelle
00:44:43	Common Pipistrelle
00:44:47	Common Pipistrelle
00:44:51	Common Pipistrelle
00:44:56	Common Pipistrelle
00:45:04	Common Pipistrelle
00:45:08	Common Pipistrelle
00:45:20	Common Pipistrelle
00:45:26	Common Pipistrelle
00:45:29	Common Pipistrelle
00:45:34	Common Pipistrelle
00:45:40	Common Pipistrelle
00:45:47	Common Pipistrelle
00:45:56	Common Pipistrelle
00:46:00	Common Pipistrelle
00:46:07	Common Pipistrelle
00:46:10	Common Pipistrelle
00:46:15	Common Pipistrelle
00:46:21	Common Pipistrelle

00:46:23	Common Pipistrelle
00:46:30	Common Pipistrelle
00:46:37	Common Pipistrelle
00:46:42	Common Pipistrelle
00:46:52	Common Pipistrelle
00:46:59	Common Pipistrelle
00:47:03	Common Pipistrelle
00:47:07	Common Pipistrelle
00:47:12	Common Pipistrelle
00:47:19	Common Pipistrelle
00:47:23	Common Pipistrelle
00:47:38	Common Pipistrelle
00:47:49	Common Pipistrelle
00:48:04	Common Pipistrelle
00:48:19	Common Pipistrelle
00:48:27	Common Pipistrelle
00:48:43	Common Pipistrelle
00:48:44	Common Pipistrelle
00:48:49	Common Pipistrelle
00:48:57	Common Pipistrelle
00:49:02	Common Pipistrelle
00:49:09	Common Pipistrelle
00:49:12	Common Pipistrelle
00:49:33	Common Pipistrelle
00:49:45	Common Pipistrelle
00:50:08	Common Pipistrelle
00:50:22	Common Pipistrelle
00:50:31	Common Pipistrelle
00:50:55	Common Pipistrelle
00:51:01	Common Pipistrelle
00:51:06	Common Pipistrelle
00:51:11	Common Pipistrelle
00:51:25	Common Pipistrelle
00:51:28	Common Pipistrelle
00:51:41	Common Pipistrelle
00:51:47	Common Pipistrelle
00:52:02	Common Pipistrelle
00:52:28	Common Pipistrelle
00:52:47	Common Pipistrelle
00:53:00	Common Pipistrelle
00:53:13	Common Pipistrelle
00:55:16	Common Pipistrelle

00:55:52	Common Pipistrelle
00:56:12	Common Pipistrelle
00:56:25	Common Pipistrelle
00:56:26	Common Pipistrelle
00:56:41	Common Pipistrelle
00:56:46	Common Pipistrelle
00:57:15	Common Pipistrelle
00:57:38	Common Pipistrelle
00:57:40	Common Pipistrelle
00:57:56	Common Pipistrelle
00:57:59	Common Pipistrelle
00:58:09	Common Pipistrelle
00:58:15	Common Pipistrelle
00:58:30	Common Pipistrelle
00:58:44	Common Pipistrelle
00:58:52	Common Pipistrelle
00:59:02	Common Pipistrelle
00:59:15	Common Pipistrelle
00:59:23	Common Pipistrelle
00:59:41	Common Pipistrelle
00:59:56	Common Pipistrelle
01:00:00	Common Pipistrelle
01:00:08	Common Pipistrelle
01:00:14	Common Pipistrelle
01:00:35	Common Pipistrelle
01:00:38	Common Pipistrelle
01:00:54	Common Pipistrelle
01:01:08	Common Pipistrelle
01:01:33	Common Pipistrelle
01:03:21	Common Pipistrelle
01:03:36	Common Pipistrelle
01:25:27	Common Pipistrelle
01:25:35	Common Pipistrelle
01:25:40	Common Pipistrelle
01:25:43	Common Pipistrelle
01:31:52	Common Pipistrelle
01:34:42	Common Pipistrelle
01:41:13	Common Pipistrelle
01:41:28	Common Pipistrelle
01:41:39	Common Pipistrelle
01:41:43	Common Pipistrelle
01:41:49	Common Pipistrelle

01:41:55	Common Pipistrelle
01:42:01	Common Pipistrelle
01:42:06	Common Pipistrelle
01:42:12	Common Pipistrelle
01:42:26	Common Pipistrelle
01:42:36	Common Pipistrelle
01:42:51	Common Pipistrelle
01:50:47	Common Pipistrelle
02:01:03	Common Pipistrelle
02:03:15	Common Pipistrelle
02:03:30	Common Pipistrelle
02:04:32	Common Pipistrelle
02:04:47	Common Pipistrelle
02:04:48	Common Pipistrelle
02:05:12	Common Pipistrelle
02:07:31	Common Pipistrelle
02:19:39	Barbastelle
02:24:24	Common Pipistrelle
02:24:26	Common Pipistrelle
02:26:33	Common Pipistrelle
02:26:52	Common Pipistrelle
02:26:57	Common Pipistrelle
02:28:12	Common Pipistrelle
02:45:30	Soprano Pipistrelle
03:40:34	Common Pipistrelle
03:41:03	Common Pipistrelle
03:45:07	Common Pipistrelle
03:49:11	Common Pipistrelle
03:51:06	Common Pipistrelle
03:51:13	Common Pipistrelle
03:54:26	Common Pipistrelle
03:56:42	Common Pipistrelle
03:56:57	Common Pipistrelle
03:58:24	Common Pipistrelle
03:58:38	Common Pipistrelle
03:58:42	Common Pipistrelle
03:59:18	Common Pipistrelle
04:00:13	Common Pipistrelle
04:00:54	Common Pipistrelle
04:05:14	Common Pipistrelle
04:05:25	Common Pipistrelle
04:05:34	Common Pipistrelle

04:05:36	Common Pipistrelle
04:06:57	Common Pipistrelle
04:08:10	Common Pipistrelle
04:08:52	Common Pipistrelle
04:10:22	Common Pipistrelle
04:13:48	Common Pipistrelle
04:14:30	Noctule
04:14:41	Noctule
04:14:43	Noctule
04:26:17	Common Pipistrelle

6th June

TIME	MANUAL ID
21:39:49	Common Pipistrelle
21:42:44	Common Pipistrelle
21:43:27	Common Pipistrelle
21:53:49	Common Pipistrelle
21:53:57	Common Pipistrelle
21:54:04	Common Pipistrelle
21:54:46	Common Pipistrelle
21:59:05	Common Pipistrelle
21:59:19	Common Pipistrelle
21:59:41	Common Pipistrelle
21:59:56	Common Pipistrelle
22:00:35	Common Pipistrelle
22:00:42	Common Pipistrelle
22:00:47	Common Pipistrelle
22:01:18	Common Pipistrelle
22:01:22	Common Pipistrelle
22:01:32	Common Pipistrelle
22:01:49	Common Pipistrelle
22:03:16	Common Pipistrelle
22:03:19	Common Pipistrelle
22:03:39	Common Pipistrelle
22:06:49	Common Pipistrelle
22:06:57	Common Pipistrelle
22:07:07	Common Pipistrelle
22:07:11	Common Pipistrelle
22:07:24	Common Pipistrelle
22:07:44	Common Pipistrelle
22:08:00	Common Pipistrelle
22:15:00	Common Pipistrelle

22:15:28	Common Pipistrelle
22:15:30	Common Pipistrelle
22:15:38	Common Pipistrelle
22:39:59	Soprano Pipistrelle
22:45:01	Common Pipistrelle
22:50:50	Common Pipistrelle
23:12:02	Common Pipistrelle
23:35:53	Common Pipistrelle
23:48:31	Common Pipistrelle
23:54:08	Soprano Pipistrelle
00:26:28	Common Pipistrelle
01:52:34	Soprano Pipistrelle

7th June

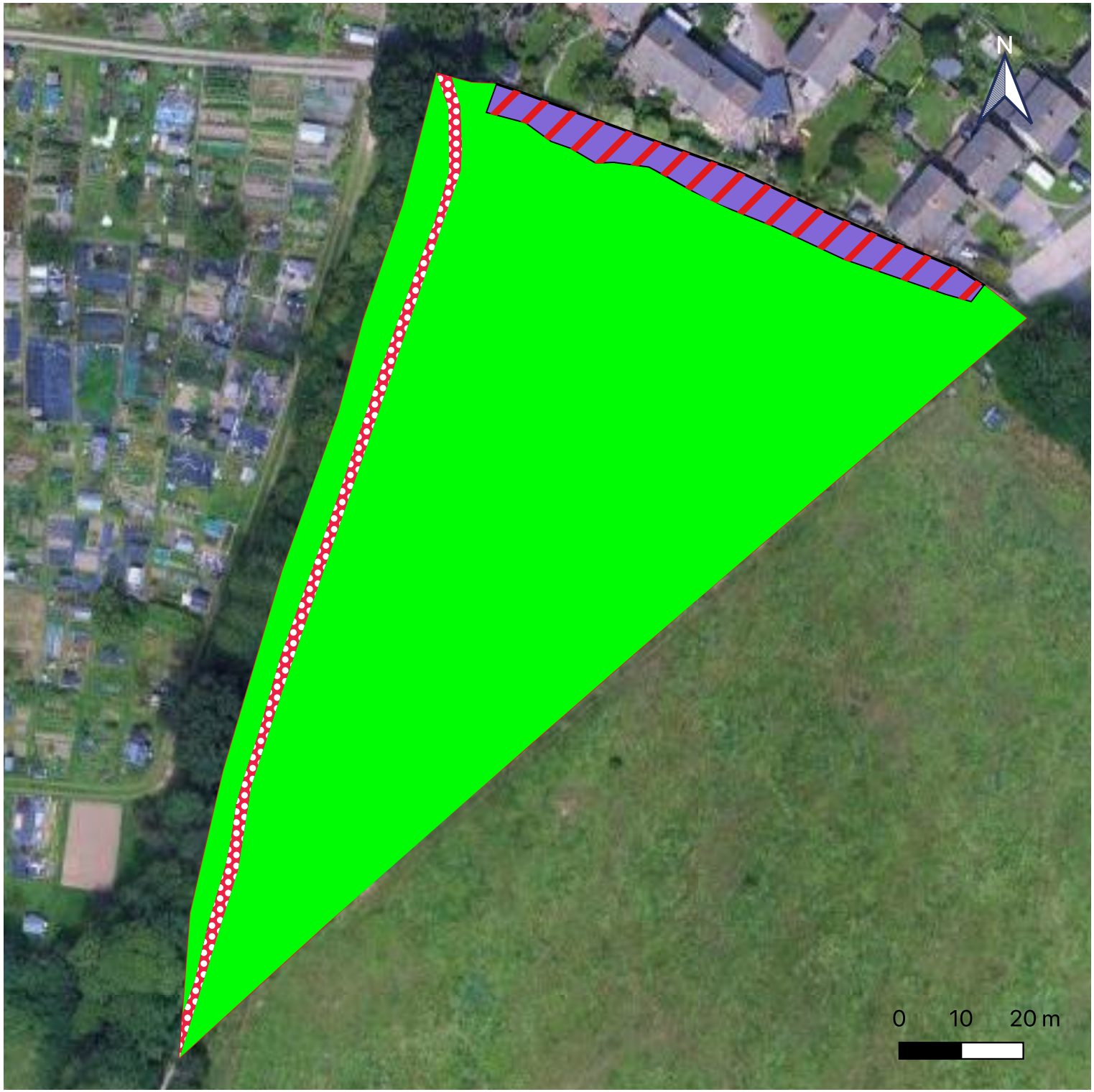
TIME	MANUAL ID
21:37:53	Common Pipistrelle
21:39:10	Common Pipistrelle
21:42:11	Common Pipistrelle
21:43:41	Common Pipistrelle
21:44:11	Common Pipistrelle
21:44:16	Common Pipistrelle
21:44:28	Common Pipistrelle
21:44:38	Common Pipistrelle
21:44:49	Common Pipistrelle
21:45:21	Common Pipistrelle
21:45:36	Common Pipistrelle
21:45:39	Common Pipistrelle
21:45:57	Common Pipistrelle
21:47:47	Common Pipistrelle
21:47:57	Common Pipistrelle
21:51:16	Common Pipistrelle
21:51:30	Common Pipistrelle
21:51:48	Common Pipistrelle
21:51:53	Common Pipistrelle
21:52:11	Common Pipistrelle
21:52:34	Common Pipistrelle
21:52:51	Serotine
21:52:56	Common Pipistrelle
21:53:11	Common Pipistrelle
21:53:33	Common Pipistrelle
21:53:48	Common Pipistrelle

21:54:02	Common Pipistrelle
21:54:18	Common Pipistrelle
21:54:33	Common Pipistrelle
21:54:47	Common Pipistrelle
21:55:02	Common Pipistrelle
21:55:17	Common Pipistrelle
21:55:31	Common Pipistrelle
21:58:41	Common Pipistrelle
21:58:56	Common Pipistrelle
22:35:30	Common Pipistrelle
22:36:30	Common Pipistrelle
22:36:41	Common Pipistrelle
22:39:40	Common Pipistrelle
22:40:16	Common Pipistrelle
22:44:31	Common Pipistrelle
22:47:43	Common Pipistrelle
22:47:55	Common Pipistrelle
22:48:00	Common Pipistrelle
22:48:20	Common Pipistrelle
22:56:09	Common Pipistrelle
22:57:08	Common Pipistrelle
22:57:11	Common Pipistrelle
23:02:25	Daubenton
23:31:40	Common Pipistrelle
00:23:05	Common Pipistrelle
01:14:19	Common Pipistrelle
01:17:10	Common Pipistrelle
01:17:37	Common Pipistrelle
01:18:18	Common Pipistrelle
01:20:52	Common Pipistrelle
01:52:23	Common Pipistrelle
02:05:17	Common Pipistrelle
02:11:31	Common Pipistrelle
02:15:42	Common Pipistrelle
03:21:44	Common Pipistrelle
03:41:38	Common Pipistrelle
03:46:05	Common Pipistrelle
04:09:18	Common Pipistrelle
04:09:32	Common Pipistrelle
04:09:34	Common Pipistrelle
04:10:39	Common Pipistrelle
04:11:17	Common Pipistrelle

04:11:45	Common Pipistrelle
04:12:57	Common Pipistrelle
04:13:11	Common Pipistrelle
04:13:47	Common Pipistrelle
04:14:41	Common Pipistrelle
04:14:44	Common Pipistrelle
04:15:07	Common Pipistrelle
04:15:15	Common Pipistrelle
04:15:17	Common Pipistrelle
04:16:06	Common Pipistrelle
04:17:30	Common Pipistrelle
04:26:16	Common Pipistrelle

8th June

TIME	MANUAL ID
21:40:09	Soprano Pipistrelle
22:06:59	Common Pipistrelle
22:30:46	Common Pipistrelle
23:43:48	Brown Long-eared
23:45:05	Natterers



Legend

- Modified grassland
- Mixed scrub
- Artificial unvegetated unsealed surface
- Redline Boundary

Map	Pre-development habitats
Site	Land South of Athelstan Way
Client	Mr Brazil
Date	15/01/2026