The Great Grid Upgrade

North Humber to High Marnham

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North Humber to High Marnham

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1. Bat Activity Report

1.1 Introduction

1.1.1 This appendix to **Application Document 6.8 Chapter 8 Ecology** details the scope, methods and findings of bat activity surveys carried out to inform the Environmental Statement (ES) and any mitigation requirements for the Project.

1.1.2 This bat activity report identifies relevant legislation relating to bats, which is outlined in section 2 of this report. Baseline information was obtained through desk-based assessments, and field surveys comprising Night-time Bat Walkovers (NBW), Vantage Point (VP) surveys, and automatic bat detector monitoring surveys carried out in the survey area, as defined by the desk-based study. The field surveys reporting in this appendix were carried out between April and October 2025 and are used to inform the ecology baseline for the ES.

1.1.3 This technical appendix is supported by the following figures located in Annex A:

- **Figure A8.8.1 Night-time Bat Walkover**; and
- **Figure A8.8.2 Bat Activity Vantage Point Locations**.

1.1.4 There are three annexes to this appendix:

- Annex A Figures;
- Annex B Automated Static Bat Detector Survey Results; and
- Annex C Weather Conditions for Automated Static Bat Detector Surveys.

1.1.5 The following documents and figures should be read in conjunction with this appendix to provide a more detailed assessment of the baseline in relation to bats:

- **Application Document 5.2 Habitats Regulations Assessment Report**;
- **Application Document 6.1.F1 Figure 1.1 Project Location and Route Sections**;
- **Application Document 6.2 Chapter 2 Legislation and Policy Context**;
- **Application Document 6.8 Chapter 8 Ecology**;
- **Application Document 6.8.F1 Figure 8.1 International Sites Designated for Nature Conservation within 10 km and National and Local Statutory Designated Sites within 5 km**;
- **Application Document 6.8.F2 Figure 8.2 Nature Conservation Non-Statutory Designated Sites and Priority Habitat within 2 km**;
- **Application Document 6.8.A1 Appendix 8.1 Regional and Local Planning Policy**;
- **Application Document 6.8.A2 Appendix 8.2 Designated Sites Information**;
- **Application Document 6.8.A3 Appendix 8.3 Habitat Survey Report**;

- **Application Document 6.8.A7 Appendix 8.7 Bat Roost Report**;
- **Application Document 7.3 Register of Environmental Actions and Commitments**;
- **Application Document 7.8 Outline Landscape and Ecology Management Plan**; and
- **Application Document 7.14 Arboricultural Impact Assessment**.

1.2 Defining the Study and Survey Areas

1.2.1 In this appendix, the following terminology is used to describe the geographic areas in which the bat activity survey work has been conducted:

- Study area: This area was subject to the collection of background information, which included existing records of bat species within 2 kilometres (km), information on internationally designated sites of relevance to bats within 30 km, and nationally designated sites of relevance to bats within 5 km of the Order Limits; and
- Survey area: The areas where bat activity field surveys were carried out is defined as the survey area. The survey area included 13 areas where works will occur within 50 metres (m) of bat sensitive areas[1] identified through the habitat surveys and assessment documented in **Application Document 6.8.A3 Appendix 8.3 Habitat Survey Report**. These areas are illustrated in **Figure A8.8.1 Night-time Bat Walkover** and **Figure A8.8.2 Bat Activity Vantage Point Locations** in Annex A.

1.2.2 The Project has been subdivided into six geographical Route Sections for reader accessibility. These are shown on **Application Document 6.1.F1 Figure 1.1 Project Location and Route Sections** and comprise:

- Route Section A – between the proposed Birkhill Wood Substation and the River Ouse;
- Route Section B – between the River Ouse and Crowle;
- Route Section C – between Crowle and North Moor (M180);
- Route Section D – between North Moor (M180) and the River Idle;
- Route Section E – between the River Idle and Darlton; and
- Route Section F – between Darlton to the proposed High Marnham Substation.

1.2.3 The results reported in this appendix reference the Route Section in which the habitat is located, where appropriate.

[1] Bat sensitive areas comprise habitats and features known to be of value to foraging and commuting bats and/or roosting potential in accordance with current guidance from the Bat Conservation Trust (Collins, 2023), including features such as woodland, tree lines, hedgerows, watercourses, ponds, and trees.

1.3 Survey Aims and Objectives

1.3.1 The aims and objectives of the desk-based and field survey work and subsequent report are presented in this section.

Aims

1.3.2 Aims of the surveys were to:

- Determine the presence and species of bats within the survey area; and
- Inform the ES for the Project and any subsequent mitigation or licensing that may be required to enable the Project to proceed lawfully with respect to bats.

Objectives

- The objectives of the report are to:
- Outline the legislation relevant to bats;
- Present desk-based study information within the study area;
- Identify habitats and features within the Order Limits that have the potential to be used by foraging and commuting bats;
- Present the methods and results of NBW, VP surveys, and automatic bat detector monitoring surveys within the survey area conducted between April and October 2025;
- Evaluate the nature conservation value of foraging and commuting bats within the survey area; and
- Present any mitigation, compensation and enhancement requirements for bats across the Project.

2. Relevant Legislation

2.1 Introduction

2.1.1 This section lists the legislation that is relevant to bats. More detailed information regarding legislation pertaining to bats is presented in **Application Document 6.8 Chapter 8 Ecology** and **Application Document 6.2 Chapter 2 Legislation and Policy Context**.

2.1.2 Policy matters are specifically referenced in **Application Document 6.8 Chapter 8 Ecology** and **Application Document 6.8.A1 Appendix 8.1 Local Planning Policy** and not discussed further in this document.

2.2 Legislation

The Conservation of Habitats and Species Regulations 2017

2.2.1 All UK bat species are protected under Regulation 43 of The Conservation of Habitats and Species Regulations 2017 (the Habitats Regulations) (HM Government, 2017). This makes it an offence to deliberately, intentionally or recklessly capture, injure or kill a bat; deliberately, intentionally or recklessly disturb a bat; or damage or destroy a breeding site or resting place used by a bat (this is an offence whether the act is deliberate or not).

2.2.2 Deliberate capture or killing is taken to include "*accepting the possibility*" of such capture or killing (HM Government, 2017). Deliberate disturbance of bats includes, in particular, any disturbance that is likely to: a) impair their ability to survive, to breed or reproduce, or to rear or nurture their young, or to hibernate or migrate; or b) affect significantly the local distribution or abundance of the species of bat to which the individuals belong.

2.2.3 Where development works are at risk of causing one or more of the offences listed above, a mitigation licence from Natural England can be obtained to facilitate the works that would otherwise be illegal as explained in paragraph 2.2.9.

Wildlife and Countryside Act 1981

2.2.4 Bats are also listed under Schedule 5 of the Wildlife and Countryside Act 1981 (HM Government, 1981), and Section 9 of the Act makes it an offence to: intentionally or recklessly disturb, injure, or kill bats; intentionally or recklessly obstruct access to any structure or place used for shelter or protection; or disturb a bat in such a place.

2.2.5 Lower levels of disturbance not covered by the Habitats Regulations (HM Government, 2017) remain an offence under the Wildlife and Countryside Act 1981 (HM Government, 1981) although a defence is available where such actions are the incidental result of a lawful activity that could not reasonably be avoided.

2.2.6 A bat roost is defined in Bat Conservation Trust (BCT) guidance as being "any structure or place that is used for shelter or protection", or a "breeding site or resting

place" (Collins, 2023), and since bats regularly move roost throughout the year, a roost is protected whether or not bats are present at the time.

2.2.7 It is illegal to carry out work affecting bats or their roosts if that work would result in one of the above offences. Licences to permit otherwise illegal activities relating to bats and their roost sites can be issued for specific purposes and by the relevant licensing authority, which in England is Natural England.

Natural Environment and Rural Communities Act

2.2.8 Seven of the UK bat species are listed as species of Principal Importance within Section 41 of the Natural Environment and Rural Communities Act 2006 (NERC) (HM Government, 2006): barbastelle bat (*Barbastella barbastellus*), Bechstein's bat (*Myotis bechsteinii*), noctule (*Nyctalus noctula*), soprano pipistrelle (*Pipistrellus pygmaeus*), brown long-eared bat (*Plecotus auritus*), greater horseshoe bat (*Rhinolophus ferrumequinum*), and lesser horseshoe bat (*Rhinolophus hipposideros*). These species are recognised as being of conservation concern, typically due to rarity, declining populations, or limited distribution, and are therefore material considerations in the planning process. Public authorities are required to have regard to the purpose of conserving biodiversity when exercising their functions, in accordance with Section 40 of the NERC Act (HM Government, 2006).

European Protected Species Mitigation Licences

2.2.9 Although the law provides strict protection to bats, it also allows this protection to be set aside (derogated) under Regulation 55 of the Habitats Regulations 2017 (HM Government, 2017) through the issuing of European Protected Species Mitigation Licences (EPSML) for the purpose of preserving public health; public safety; other imperative reasons of overriding public interest, including those of a social or economic nature and beneficial consequences of primary importance for the environment. However, in accordance with the requirements of the Habitats Regulations (HM Government, 2017) a licence can only be issued by Natural England where the following requirements are satisfied:

- There is no satisfactory alternative; and
- The action authorised will not be detrimental to the maintenance of the population of the species concerned at a favourable conservation status in their natural range.

2.2.10 It is an offence not to comply with the terms and conditions of an EPSML once issued.

3. Methods

3.1 Desk Study

3.1.1 The baseline information presented in this appendix has been informed by a desk-based study, which has drawn on information from Local Records Centres (LRCs), online data sources, and other studies.

Local Records Centres

3.1.2 A desk-based study was carried out to inform the ES **Application Document 6.8 Chapter 8 Ecology**. As part of the desk-based study, the following LRCs were contacted to request existing data for bats within the study area:

- North & East Yorkshire Ecological Data Centre (data received in December 2025);
- Lincolnshire Environmental Records Centre (data received in January 2026); and
- Nottinghamshire Biological and Geological Record Centre (data received in October 2025).

3.1.3 The desk-based study focused on LRC data collected within ten years of data receipt to provide an accurate representation of the current ecological conditions within the study area. By concentrating on recent data, the assessment better reflects the present baseline conditions, rather than relying on potentially outdated information which is unlikely to still be representative of bat species in the local area.

Online Data and Other Resources

3.1.4 Any international statutory sites designated for bats within 30 km and national statutory designated sites within 5 km of the Order Limits were identified using the Multi Agency Geographic Information for the Countryside (MAGIC) website (Department for Environment, Food and Rural Affairs, 2026). The MAGIC website was also reviewed for any granted EPSMLs for bats within the Order Limits and a 2 km buffer.

3.1.5 Bat activity survey effort was determined through consideration of the size and nature of the Project, alongside likely and confirmed impacts on habitats that could support foraging, commuting and roosting bats, and the value of those habitats for bats. An initial assessment was carried out using aerial photography ((Google, 2026) and high-resolution orthophotography (OS Terrain® 50 mid-resolution and LIDAR Composite 2017-50 cm (DTM)) produced for the Project), habitat survey data (**Application Document 6.8.A3 Appendix 8.3 Habitat Survey Report**), and mapping of the Project footprint to identify areas where impacts to foraging and commuting habitats were likely to occur. The criteria for assessing suitability of habitats for foraging and commuting bats are shown in Table 3.1.

Table 3.1 – Criteria for assessing suitability of habitat for foraging/commuting bats*

Potential suitability	Description – potential flight paths and foraging habitats
None	No habitat features on site likely to be used by any commuting or foraging bats at any time of the year (i.e. no habitats that provide continuous lines of shade/protection for flight-lines, or generate/shelter insect populations available to foraging bats).
Negligible	No obvious habitat features on site likely to be used as flight-paths or by foraging bats; however, a small element of uncertainty remains in order to account for non-standard bat behaviour.
Low	Habitat that could be used by small numbers of bats as flight-paths such as a gappy hedgerow or unvegetated stream, but isolated, i.e. not very well connected to the surrounding landscape by other habitat. Suitable, but isolated habitat that could be used by small numbers of foraging bats such as a lone tree (not in a parkland situation) or a patch of scrub.
Moderate	Continuous habitat connected to the wider landscape that could be used by bats for flight-paths such as lines of trees and scrub, or linked back gardens. Habitat that is connected to the wider landscape that could be used by bats for foraging such as trees, scrub, grassland or water.
High	Continuous, high-quality habitat that is well connected to the wider landscape that is likely to be used regularly by bats for flight-paths such as river valleys, streams, hedgerows, lines of trees and woodland edge. High-quality habitat that is well connected to the wider landscape that is likely to be used regularly by foraging bats such as broadleaved woodland, tree-lined watercourses and grazed parkland. Site close to and connected to known roosts.

**Source: Category descriptions from BCT's Bat Surveys for Professional Ecologists: Good Practice Guidelines (4th edition)* (Collins, 2023) *to be applied using professional judgement.*

3.1.6 This assessment informed the selection of survey locations for NBWs, VP surveys, and automated static bat detector surveys. Habitats within the survey area were assigned a suitability value for foraging and commuting bats (as detailed in Table 3.1), based on habitat type, connectivity, structural features and landscape context; and survey effort was proportionate to these assigned values.

3.2 Field Survey

Introduction

3.2.1 From the desk-based study described in section 3.1, the survey area was assessed as having various suitability of habitats for foraging and commuting bats. Considering the size of the Project and in line with BCT guidance (Collins, 2023), one NBW survey visit per active season (Spring, Summer and Autumn) was carried out at six locations in 2025. Additionally, one VP survey was carried out per active season (Spring, Summer, and Autumn) in six other locations along the route of the Project. Automated static bat detectors were used to record bat activity remotely at each of the NBW and VP survey locations (**Figure A8.8.1 Night-time Bat Walkover** and **Figure A8.8.2 Bat Activity Vantage Point Locations** in Annex A) and included one additional automated static bat detector at the first NBW location (NBW 1 Brantingham) with the two detectors at this route termed NBW1E and NBW1W respectively.

Night-time Bat Walkovers

3.2.2 Night-time Bat Walkover surveys were carried out across six locations (NBW1 to NBW6), with one NBW survey carried out per active season Spring (April to May 2025), Summer (June to August 2025), and Autumn (September to October 2025) at each location. Each survey commenced at or just before sunset and lasted for at least 1.5 hours to coincide with peak activity periods as bats emerge and disperse from their roosts.

3.2.3 The NBWs involved walking defined (fixed) routes that provided representative coverage of the habitats of potential value to bats that could be impacted by the Project. The routes were walked at a steady pace by two suitably experienced ecologists (routes as shown in **Figure A8.8.1 Night-time Bat Walkover** in Annex A). The direction the route was walked was varied between the surveys to sample different areas of the survey locations at different times of night, which reduced the likelihood that bat activity at a particular location and time was overlooked. Surveys were carried out in suitable weather conditions, i.e. no rain or strong wind and with temperatures above 10°C at sunset.

3.2.4 Elekon Batlogger and Anabat Scout detectors were used to record bat calls. During the NBWs, listening points were included along the routes, at potentially important features with regards to bats. At each listening point, bat activity was monitored for a period of three to five minutes. Any additional activity encountered while walking between points was also recorded. Noting that two detectors were deployed along route NBW1 at Brantingham, termed NBW1E and NBW1W respectively.

3.2.5 The BCT guidelines (Collins, 2023) recommend that NBW surveys should start with the surveyors stationed on potential flight lines and/or close to potential roost features such as groups of buildings or woodland. Surveyors remained in position to count, observe behaviours and make acoustic recordings of commuting and/or foraging bats for up to an hour after sunset and did not start walking the route until at least 30 minutes after sunset.

3.2.6 The time, location, numbers, species, and direction of flight were recorded for each bat pass (a discrete burst of echolocation heard, or bat activity observed) during the survey, where practicable.

Automated Static Bat Detector Surveys

3.2.7 Automated static bat detectors (Anabat Swifts and Song Meter SM4BATs) were deployed at 13 different locations within the survey area on separate occasions between April and October 2025. The locations of the automated static bat detectors were kept the same during each monitoring period, with each detector positioned in representative habitat to record bat activity throughout the survey area. See **Figure A8.8.1 Night-time Bat Walkover** and **Figure A8.8.2 Bat Activity Vantage Point Locations** in Annex A for details of the automated static bat detector locations. The approximate Ordnance Survey (OS) Grid Reference, location description, and broad habitat of the automated static bat detector locations are described within Table 3.2.

Table 3.2 – Location of automated static bat detectors

Automated static bat detector location reference	Approximate OS grid reference (Route Section)	Location description	Broad habitat type
VP1	SE9795532113 (Route Section A)	Mounted on a tree at the boundary of a linear woodland strip.	Woodland and arable
NBW1W	SE9381230280 (Route Section A)	On a tree along the outer edge of an extensive woodland parcel.	Woodland and arable
NBW1E	SE9530731459 (Route Section A)	Located on a tree at the margin of a narrow woodland strip.	Woodland and arable
NBW2	SE8000302028 (Route Section D)	Positioned on a tree within a narrow linear woodland strip.	Woodland and arable
VP2	SK7893498812 (Route Section D)	Fixed to a tree on the perimeter of a small, discrete woodland parcel.	Woodland and arable
NBW3	SK7844697764 (Route Section D)	Mounted on a tree adjacent to Warping Drain, within riparian vegetation.	Arable and watercourse
NBW4	SK 75594 96461 (Route Section D)	Installed on a tree within Misterton Golf Course between the River Idle (). and an adjacent arable field. Where access was not possible this was relocated to a tree north of the river at SK7554696532.	Arable and watercourse
VP3	SK7449892238 (Route Section E)	Located on a tree alongside the Chesterfield Canal, bordering an arable field.	Arable and watercourse
NBW5	SK7754185733 (Route Section E)	Mounted on a tree at the corner of a woodland parcel,	Woodland and arable

Automated static bat detector location reference	Approximate OS grid reference (Route Section)	Location description	Broad habitat type
		adjacent to a linear tree belt and surrounding arable fields.	
VP4	SK7747981074 (Route Section E)	Fixed to a tree within a linear belt of trees separating two arable fields.	Arable
VP5	SK7710679621 (Route Section E)	Positioned within a hedgerow on intersection between arable fields and woodland adjacent to Forewood Lane.	Woodland and arable
VP6	SK7671577754 (Route Section E)	Mounted on a tree within a linear row of trees running between two arable fields.	Arable
NBW6	SK7960071100 (Route Section F)	Installed at the edge of a narrow woodland strip adjoining grassland habitat.	Woodland and arable

3.2.8 The automated static bat detectors were left in-situ for a minimum of five consecutive nights during (where possible) appropriate weather conditions for each monitoring period. A full list of the results (all dates and survey locations) can be found in **Automated Static Bat Detector Survey Results** (Annex B). Weather conditions have been summarised for the survey area, which includes temperature, wind speed, and precipitation on each day the automated static bat detector recorded bat activity (see **Weather Conditions for Automated Static Bat Detector Surveys** (Annex C)).

3.2.9 The automated static bat detectors were set to start recording half an hour before sunset and to stop recording half an hour after sunrise each day they were deployed. All microphones were positioned at least 1 m above the ground in a position clear of vegetation to maximise bat detection.

Vantage Point Surveys

3.2.10 Vantage Point surveys were conducted to record bat flight activity in relation to key site features, and to characterise bat movement across the survey area.

3.2.11 At each VP location, dusk VP surveys were completed once per active season – Spring (April/May 2025), Summer (June/July/August 2025), and Autumn (September/October 2025), i.e. three in total at each location (see Table 3.2). Surveys commenced at sunset and lasted between 60 and 90 minutes to target peak bat activity periods.

3.2.12 During the dusk VP surveys, surveyors were positioned with clear views of potential features of interest and surrounding habitat. Visual observations were supported by full-spectrum bat detectors (Elekon Batlogger and Anabat Scout) to record any bat calls. The primary aim of the VP surveys was to track bat flight routes as individuals

crossed the features of interest, with particular focus on recording horizontal and vertical flight paths.

3.2.13 Surveys were conducted under suitable weather conditions, avoiding heavy rain, strong winds, or low temperatures (below 10°C at sunset) likely to allow for optimal conditions to create comparative results.

3.2.14 Dusk VP survey results were interpreted alongside automated static bat detector and NBW survey data to inform assessment of bat activity patterns and potential interactions with survey location features.

Bat Sonogram Analysis

3.2.15 Sound recordings taken during surveys were made in full-spectrum Wave Audio File (WAV) to allow subsequent verification of species or species groups, where required. Records of bats during the NBW, automated static bat detector, and VP surveys were subsequently analysed using Kaleidoscope and Analook W by suitably experienced ecologists, with reference to guidance materials (Russ, 2012) to identify the species of bat(s) present.

3.2.16 To verify the outputs of the above analysis ten per cent of all pipistrelle species and noise recordings (non-bat related sound recordings), in addition to all remaining species recordings, were confirmed by a suitably experienced ecologist. Reference was made to bat call identification guidance (Russ, 2012) where necessary. Following this analysis, ten per cent of all pipistrelle species and 100 per cent of all other species were subject to a further check by an experienced ecologist for quality assurance purposes.

3.2.17 Analysis provides information on the species present at each location, as well as the number and timing of bat passes. For automated detection, a bat pass is defined as a single automated static bat detector file made up of bat pulses of a single species; this can be one bat in a file or many bats in a file. The number of passes recorded on automated detectors gives an indication of the level of bat activity at a given location, but this cannot be reliably correlated to actual bat abundance because there is no observational context.

Data Analysis

3.2.18 The various survey results were described in relation to bat species, number of bat passes (and where possible number of bats), observed behaviour and temporal and spatial trends. The bat detector recordings were analysed to determine the total number of bat passes for each species or species group (depending on the level of identification possible from the recordings made) and then used to derive a metric termed the Bat Activity Index (BAI), for the bat activity at each survey location.

3.2.19 These analyses provide an indication of:

- Seasonal variation in species activity and composition at each survey location;
- Relative levels of bat activity across the survey area; and
- Potential roosting sites, important foraging areas and commuting routes.

3.2.20 Common pipistrelle (*Pipistrellus pipistrellus*) and soprano pipistrelle have overlapping call parameters and can be difficult to separate to species level when calls are recorded at the lower end of the soprano pipistrelle peak frequency range

and the higher end of the common pipistrelle peak frequency range. As such, any pipistrelle bat with a peak frequency between 49 kHz and 51 kHz has been classified as unidentified pipistrelle species. Consequently, unidentified pipistrelle species does not represent a separate species but rather a precautionary grouping of either common pipistrelle or soprano pipistrelle where confident separation was not possible.

3.2.21 In contrast, Myotis species produce broadband, steep frequency-modulated (FM) echolocation calls which sweep through a wide bandwidth rather than exhibiting a stable quasi-constant peak frequency. Call structure, bandwidth and terminal frequency can vary depending on habitat clutter, flight behaviour and microphone angle. Due to substantial overlap in call shape and acoustic parameters between Myotis species, reliable species-level identification from automated detector recordings is often not possible. Where calls could not be confidently attributed to species, they have therefore been grouped as Myotis species, reflecting similarity in call structure.

Bat Activity Index

3.2.22 The BAI values were calculated by averaging the total number of bat passes per hour for each automated static bat detector unit at each location per month. The term pass is defined as a single file made up of bat pulses of a single species, i.e. this may be one bat in a file or many bats in a single file.

3.2.23 Bat activity levels at automated static bat detector locations were classified using a percentile-based approach consistent with the principles previously applied by the Ecobat tool (Mammal Society, 2026). In the absence of a suitable external or regional reference dataset, percentiles were derived from the distribution of bat passes per night recorded across the survey area as a whole.

3.2.24 The BAI was calculated to standardise bat activity across survey months by accounting for seasonal variation in night length. For each automated static bat detector location, the total number of bat passes recorded across each survey month was first standardised to a five-night mean (i.e. total monthly passes divided by five survey nights, or divided by the number of nights surveyed where fewer than five nights were completed).

3.2.25 To ensure comparability between months, the number of survey hours per night (defined as the period between sunset and sunrise) was standardised to the nearest whole hour based on the approximate night length on the 15th day of each month. The following standardised night-hour values were applied:

- April 11 hours;
- May 10 hours;
- June 7 hours;
- July 8 hours;
- August 9 hours;
- September 11 hours; and
- October 13 hours.

3.2.26 The full dataset of passes per night from all static detector locations and survey nights was used to calculate the 20th, 40th, 60th, and 80th percentile thresholds. These thresholds were then used to categorise bat activity at each detector location as follows:

- Low activity: 0 to 20th percentile;
- Low to Moderate activity: 21st to 40th percentile;
- Moderate activity: 41st to 60th percentile;
- Moderate to High activity: 61st to 80th percentile; and
- High activity: 81st to 100th percentile.

3.2.27 This approach enabled activity levels to be interpreted relative to the overall level of bat activity recorded across the site, rather than relying on fixed numerical thresholds.

3.2.28 For NBW and VP data, relative bat activity levels were described to aid the discussion. No guidance is available on what constitutes Very Low, Low, Moderate or High bat activity based on number of passes during an NBW. As such, a relative scale has been used in this report where:

- Very Low activity is up to 5 passes per survey location;
- Low activity is 6 to 25 passes per survey location;
- Moderate activity is 26 to 99 passes per survey location; and
- High activity is 100 passes per survey location.

3.2.29 Using this scale, bat activity is recorded both for the number of passes recorded at each survey visit (Spring, Summer, and Autumn) and for the combined total of passes (overall activity) across the three survey visits.

3.2.30 Reference to surveyor observations, including numbers of individual bats seen, flight routes and behaviour, and detectability of individual species was also made to inform the overall evaluation.

Nature Conservation Value

3.2.31 A hierarchical geographical approach has been used to assign a level of biodiversity importance to any bat foraging and commuting habitat associated with the locations within the survey area. This approach is based upon the Chartered Institute for Ecological and Environmental Management (CIEEM) UK Bat Mitigation Guidelines (Reason & Wray, 2025) moderated using professional judgement. The guidelines allow for a total score to be obtained for a survey area based on the bat rarity within the geographical region(s) the survey area is located (for example whether the species is widespread or has a restricted distribution). This makes up a total score that a survey area can achieve. The bat presence as recorded within each survey area, as defined by all survey efforts for the Project, was then assigned a rarity score (depending n which geographical location they sit), depending on the species present and their assigned rarity score, each survey location obtains a value of importance where:

- The County importance meets or exceeds the threshold of 45 percent;
- The Regional importance meets or exceeds the threshold of 55 percent; and

- The National importance meets or exceeds the threshold of 70 percent.

3.2.32 Survey locations across the survey area fall within different geographical locations:

- Locations NBW1, NBW2, NBW3, NBW4, VP1, VP2 and VP3 fall within the Northern England geographical region; and
- Locations NBW5, NBW6, VP4, VP5 and VP6 fall within the Central England/Midlands geographical region.

3.2.33 The species and scores for each geographical region are presented in Table 3.3.

Table 3.3 – Showing rarity categories and scores by geographical locations across the Project*

	Central England/ Midlands		Northern England	
Rarity category	**Species**	**Total possible score**	**Species**	**Total possible score**
Widespread all geographies (score 1 per species)	Common pipistrelle Soprano pipistrelle Brown long-eared bat	3	Common pipistrelle Soprano pipistrelle Brown long-eared bat	3
Widespread in many geographies, but not as abundant in all (score 2 per species)	Whiskered bat (*Myotis mystacinus*) Natterer's bat (*Myotis nattereri*) Daubenton's bat (*Myotis daubentonii)* Brandt's bat (*Myotis brandtii*) Noctule (*Nyctalus noctula*)	10	Whiskered bat Natterer's bat Daubenton's bat Brandt's bat Noctule	10
Rarer or restricted distributions (score 3 per species)	Leisler's bat (*Nyctalus leisleri*) Serotine (*Eptesicus serotinus*) Nathusius' pipistrelle (*Pipistrellus nathusii*)	9	Alcathoe bat (*Myotis alcothoe*) Leisler's bat Nathusius' pipistrelle	9
Rarest Annex II species and very rare (score 4 per species)	Barbastelle	4	N/A	0
Maximum possible score		**26**		**22**

**Table taken from Section 3 of CIEEM's UK bat mitigation guidelines (Reason & Wray, 2025).*

3.3 Assumptions and Limitations

3.3.1 The aim of a desk-based study is to help characterise the baseline context of the Project and provide valuable background information that would not be captured by surveys alone. However, a lack of records for a particular species does not necessarily mean that the species does not occur in the study area. Likewise, the presence of records for particular species does not automatically mean that these still occur within the area of interest or are relevant in the context of the Project.

3.3.2 A proportion of the biological records returned during the desk-based study were associated with broad or coarse grid references (e.g. tetrad or kilometre-scale resolution), rather than precise point locations. As a result, it was not possible to reliably attribute all records to specific habitat features or to determine exact proximity to the Order Limits. This spatial limitation restricts fine-scale interpretation of habitat associations and prevents definitive identification of Project-specific commuting routes or foraging hotspots based solely on desk-based study data. Consequently, desk-based study information has been used to provide contextual evidence of species presence and assemblage composition within the wider landscape, with Project level evaluation and conclusions based primarily on targeted field survey data collected in 2025.

3.3.3 During the survey period, two NBW1 surveys (May and July) exceeded the planned survey duration due to logistical requirements associated with safely entering and exiting the survey location. This resulted in two marginally longer survey periods for NBW1 compared to other NBW survey locations; however, survey coverage remained consistent with the defined NBW route and survey objectives.

3.3.4 The NBWs at NBW2 and NBW4 commenced approximately 20 minutes and 19 minutes later, respectively, than the intended start time in May 2025 due to logistical constraints associated with survey location access. As a result, the initial survey period immediately following sunset was not fully covered for these surveys. This is not considered to materially affect the overall interpretation of bat activity recorded during NBW2 and NBW4 or the comparative assessment of activity levels across survey locations. Additionally, access restrictions at Misterton Golf Course prevented the use of the originally proposed NBW4 survey route to the south of the River Idle during the May and October surveys. Consequently, the route was amended to follow the northern bank of the River Idle. Although this prevented direct survey coverage of the golf course, the revised route retained coverage of the River Idle corridor and associated riparian habitats, including suitable commuting and foraging features for bats. Therefore, the amended route was considered appropriate for assessing bat activity associated with the watercourse, and the change was not considered to represent a significant limitation to the overall assessment.

3.3.5 Not all bat registrations recorded during the surveys are presented on the figures, as some bats were detected acoustically but were not visually observed by surveyors. Consequently, their precise locations and flight paths could not be accurately determined or mapped. All bat registrations, including those not illustrated on the figures, have been included in the survey results.

3.3.6 Automated static bat detector coverage varied across survey locations (NBW1 to NBW6 and VP1 to VP6) and months due to access constraints, equipment damage, and recording or data retrieval issues. While automated static bat detectors were deployed successfully across much of the survey period (April to October 2025), not all locations were surveyed every month. This is further detailed within the following paragraphs.

3.3.7 At locations NBW2 and NBW4, automated static bat detectors could not be deployed in May due to access restrictions, resulting in no automated static data for these locations during this part of the survey season. However, NBW surveys were undertaken during May at both sites which provide survey information on bat species presence, activity and use of habitats during this period. Although the NBW data do not provide an equivalent level or duration of sampling to automated static monitoring, they partially address the seasonal data gap and confirm that bat activity was sampled during May. Similarly, at VP1, automated static bat detectors could not be deployed in May or June owing to access limitations, and at VP2, automated static bat detectors could not be deployed in May for the same reason. At VP1 during April the automated static detector failed to record any bats, picking up only several noise files which was attributed to a malfunction of the automated static detector and not the absence of bats.

3.3.8 At VP6, automated static bat detectors experienced repeated recording issues thought to be affected by external unknown influences in the wider area. Limited data were obtained during May and June 2025, where detectors failed after one night of recording, and automated static bat detectors were not deployed during September and October as a result of these ongoing technical issues. Consequently, static data coverage at VP6 is reduced during both early and late season periods.

3.3.9 At NBW1, two automated static bat detectors (NBW1E and NBW1W) were intended to be deployed; however, during October, only the western automated static bat detector (NBW1W) was operational, as the eastern unit (NBW1E) was damaged during the September site visit. As a result, automated static bat activity data for October at NBW1 were derived from a single detector rather than the planned paired deployment; the results have been separated to reflect this.

3.3.10 At two VP locations (VP4 and VP5), delays and inconsistencies were encountered in the retrieval and copying of bat sound data from the automated static bat detectors to be assessed, particularly during the July, August, September, and October surveys at these locations. These issues were resolved retrospectively where possible, and all recoverable data were included in the analysis; however, data completeness for individual months at these locations may be reduced.

3.3.11 Night-time Bat Walkover and VP surveys were generally completed as planned across the survey area, including during months where automated static bat detector data were unavailable, providing additional spatial and temporal context to support interpretation of bat activity. At VP1, no bats were recorded by one surveyor during the September VP survey; this is considered likely to reflect genuinely Low activity during that survey period rather than a survey constraint.

3.3.12 Some automated detector surveys were carried out during periods of slightly elevated wind speeds and/or light rain and drizzle. These conditions were infrequent and did not persist across the full survey periods. For the purpose of analysis and comparison between locations, the data used were derived only from the optimal consecutive five-night sampling periods, thereby minimising any potential influence of adverse weather on the interpretation of bat activity levels and presence. On this basis, weather variation is not considered to have significantly affected the overall conclusions of the assessment.

3.3.13 Despite these limitations, automated static bat detector data were successfully collected across a wide range of locations, habitat types, and survey months, providing sufficient coverage to allow meaningful comparison of relative bat activity across the survey area. The site based, percentile-driven assessment framework

accounts for variation in survey effort and enables robust comparison between detector locations and associated habitat types.

3.3.14 Vantage Point surveys are inherently subject to a range of limitations. Observations are restricted to bats that pass within the effective visual range of the surveyors and are therefore influenced by factors such as light levels, background contrast, topography and vegetation structure. As a result, bats flying at greater distances or heights may not always be detected or accurately tracked.

3.3.15 Estimation of flight height and distance is necessarily approximated and based on professional judgement. While consistent methods were applied throughout, some degree of observer subjectivity is unavoidable, particularly for fast-moving individuals or during periods of elevated activity.

3.3.16 The VP surveys provide a snapshot of bat activity during defined survey periods and cannot account for all temporal variation in bat behaviour, including night-to-night variability or longer-term changes in activity patterns related to weather or seasonal movements.

4. Results

4.1 Desk-based Study

Statutory Designations

4.1.1 There are no Special Areas of Conservation (SACs) within 30 km of the Order Limits or Sites of Special Scientific Interest (SSSIs) within 5 km of the Order Limits that are specifically designated, cited, or notified for bats as a qualifying feature.

Existing Bat Species Records

4.1.2 There were 1,065 existing records of bat species returned within 2 km of the Order Limits within ten years from receipt of data. The records consisted of ten species, including brown long-eared bat, common pipistrelle, soprano pipistrelle, Nathusius' pipistrelle (*Pipistrellus nathusii*), Daubenton's bat (*Myotis daubentonii*), Brandt's bat (*Myotis brandtii*), whiskered bat (*Myotis mystacinus*), Leisler's bat (*Nyctalus leisleri*), noctule, barbastelle, as well as unidentified Myotis species (*Myotis* spp.), and unidentified pipistrelle species (*Pipistrellus* spp.).

4.1.3 A total of 90 records of bats were recorded within the Order Limits. Of the 90 records, 13 records related to confirmed roosts. Of the 13 records of bat roosts, eight were brown long-eared bat, two were common pipistrelle, one roost was a soprano pipistrelle, and the remaining two roosts were of unidentified bats. Table 4.1 shows the species and locations of the roosts provided by the LRCs (Route Sections are also provided for clarity), along with any accompanying notes provided by the relevant LRC. These data are not presented in a figure due to the low resolution of some of the location data.

Table 4.1 – Species and location of roosts received from local records centres

Species	Location NGR (Route Section)	Notes
Brown long-eared bat	SE92NW (Route Section B)	Recorded in bat box
Common pipistrelle	SE92NW (Route Section B)	Day roost
Soprano pipistrelle	SE92NW (Route Section B)	Day roost
Unidentified bat	SE8418 (Route Section B)	Field observation (roost)
Unidentified bat	SE8418 (Route Section B)	Field observation (roost)
Brown long-eared bat	SK7798 (Route Section D)	Field observation (roost)
Brown long-eared bat	SK7798 (Route Section D)	Field observation (roost)
Brown long-eared bat	SK7798 (Route Section D)	Field observation (roost)
Brown long-eared bat	SK7679 (Route Section D)	Field observation (roost)

Species	Location NGR (Route Section)	Notes
Brown long-eared bat	SK7679 (Route Section D)	Recorded in bat box
Brown long-eared bat	SK7679 (Route Section D)	Recorded in bat box
Brown long-eared bat	SK7679 (Route Section D)	Recorded in bat box
Common pipistrelle	SK7798 (Route Section D)	Field observation (roost)

4.1.4 A review of data on MAGIC (Department for Environment, Food and Rural Affairs, 2026) returned no granted EPSML applications for bats within the Order Limits. A total of 11 granted EPSMLs applications for bats were returned within 2 km of the Order Limits, as summarised in Table 4.2. The closest was for common pipistrelle, 20 m east of the Order Limits (near Belton, Route Section D). All 11 licence applications were for common pipistrelle alone except one, which was for both common pipistrelle and brown long-eared bat.

Table 4.2 – European protected species mitigation licences for bats within the study area

EPSML Reference	Location	Species	Licence start	Licence end	Damage of breeding site?	Damage of a resting place?	Destruction of a breeding site?	Destruction of resting place?	Impact on hibernation site?
2015-17132-EPS-MIT	Cottingham, 1.9 km southeast of the Order Limits Route Section A	Common pipistrelle	16 February 2016	14 February 2021	No	No	No	Yes	Unknown
2014-3242-EPS-MIT	Gilberdyke, 1.6 km west of the Order Limits Route Section A	Common pipistrelle	24 September 2014	31 October 2019	No	No	No	Yes	Unknown
2018-34553-EPS-MIT	Gilberdyke, 1.4 km northwest of the Order Limits Route Section A	Common pipistrelle	01 May 2018	09 April 2019	No	No	No	Yes	Unknown
2015-17779-EPS-MIT	Blacktoft, 0.7 km east of the Order Limits Route Section A	Common pipistrelle, brown long-eared bat	14 December 2015	13 December 2025	Yes	No	No	Yes	Unknown

EPSML Reference	Location	Species	Licence start	Licence end	Damage of breeding site?	Damage of a resting place?	Destruction of a breeding site?	Destruction of resting place?	Impact on hibernation site?
2018-38476-EPS-NSIP1	Keadby 0.9 km east of the Order Limits Route Section C	Common pipistrelle	10 January 2019	08 January 2024	No	No	Yes	Yes	Unknown
2017-32037-EPS-MIT	Belton, 20 m east from the Order Limits Route Section D	Common pipistrelle	01 November 2017	30 June 2019	No	No	No	Yes	Unknown
2014-88-EPS-MIT	Belton, 20 m east from the Order Limits Route Section D	Common pipistrelle	22 April 2014	31 December 2015	No	Yes	No	Yes	Unknown
EPSM2013-6015	Belton, 20 m east from the Order Limits Route Section D	Common pipistrelle	01 September 2013	31 December 2014	No	No	No	Yes	Unknown
2016-24844-EPS-MIT-1	Woodbeck, 0.5 km east of the Order Limits	Common pipistrelle	07 July 2017	16 August 2021	No	No	No	Yes	Unknown

EPSML Reference	Location	Species	Licence start	Licence end	Damage of breeding site?	Damage of a resting place?	Destruction of a breeding site?	Destruction of resting place?	Impact on hibernation site?
	Route Section E								
2016-24844-EPS-MIT-2	Woodbeck, 0.5 km east of the Order Limits Route Section E	Common pipistrelle	24 October 2019	16 August 2021	No	No	No	Yes	Unknown
2017-28963-EPS-MIT	Woodbeck, 0.5 km east of the Order Limits Route Section E	Common pipistrelle	22 May 2017	18 April 2022	No	No	No	Yes	Unknown

4.2 Field Survey

4.2.1 The foraging and commuting habitats within the survey area were assessed through both field surveys (**Application Document 6.8.A3 Appendix 8.3 Habitat Survey Report**) and desk-based assessment as being of predominantly Moderate suitability for bats, based on the presence of connected woodland, hedgerows and watercourse features within an agricultural landscape. Survey effort, including deployment of automated static bat detectors between April and October 2025, was considered proportionate to this assessed level of suitability.

Night-time Bat Walkover Surveys

4.2.2 Night-time bat walkover surveys were conducted at six locations (NBW1 to NBW6) with three visits to each location between May and October 2025. The survey locations comprised four woodland and arable routes (NBW 1 Brantingham (NBW1), NBW 2 Melwood Quarry (NBW2), NBW 5 Burton Lane/Wheatley Beck (NBW5) and NBW 6 High Marnham (NBW6)) and two arable and watercourse routes (NBW 3 Warping Drain (NBW3), and NBW 4 Misterton Golf Course, River Idle (NBW4)). These are shown on **Figure A8.8.1 Night-time Bat Walkover** in Annex A

4.2.3 A total of 738 bat passes were recorded across all NBW locations during the 2025 survey season. The highest overall activity was recorded at NBW4 (205 passes), followed by NBW6 (139 passes), NBW1 (124 passes) and NBW3 (110 passes). Lower activity was recorded at NBW5 (74 passes) and NBW2 (86 passes). Collectively, the two arable and watercourse routes (NBW3 and NBW4) accounted for 315 passes (approximately 44 percent of total recorded activity), reflecting generally higher levels of activity associated with riparian/linear features, while the four woodland and arable routes accounted for 423 passes (approximately 56 percent of bat passes).

4.2.4 Across the survey area, common pipistrelle was the dominant species overall, with soprano pipistrelle frequently recorded and locally abundant at some survey locations. Noctule, Myotis bats, brown long-eared bat, Nathusius' pipistrelle, and Leisler's bat were recorded more intermittently, although some NBWs supported notable activity from these species during individual survey months. Seasonal patterns varied between NBW locations, with some locations showing peak activity in May and others showing higher activity later in the season.

NBW1 Brantingham

4.2.5 Route NBW1 is located within woodland and arable habitat in Route Section A near Brantingham, as shown on **Figure A8.8.1 Night-time Bat Walkover** in Annex A, and recorded High bat activity overall, with a total of 124 passes across the three surveys. Individually, a moderate level of bat activity was recorded during each of the three surveys. The highest activity was recorded in May followed by a progressive decline in activity through July and September. During the May 2025 survey, 56 bat passes were recorded. Common pipistrelle was the most frequently recorded species (51 passes). Soprano pipistrelle was recorded one time, Nathusius' pipistrelle was recorded two times, and Myotis bats were recorded two times.

4.2.6 During the July 2025 survey, 38 bat passes were recorded, representing a reduction in overall activity compared to May. However, soprano pipistrelle was the most frequently recorded species (27 passes) showing a marked increase in passes from

May, while common pipistrelle numbers reduced and accounted for only nine passes. Noctule and Myotis bats were both recorded once.

4.2.7 During the September 2025 survey, 30 bat passes were recorded. Common pipistrelle was again the most frequently recorded species (16 passes). Myotis bats were recorded five times, and soprano pipistrelle was recorded four times. Unidentified pipistrelle species was recorded once, while brown long-eared bat and noctule were both recorded two times.

4.2.8 Across the survey season, bat activity at NBW1 (124 passes) was higher than that recorded at the other woodland and arable routes NBW2 and NBW5, but lower than that recorded at NBW6. Activity remained below that recorded at the watercourse route NBW4 and was broadly comparable to, though slightly higher than, NBW3, reflecting the typically elevated activity associated with riparian corridors compared to woodland and arable habitat alone.

4.2.9 Activity was generally concentrated along woodland edges and hedgerows, with sustained activity near a farm building located towards the centre of the NBW1 route. Survey timings and weather conditions, and survey results for NBW1 are represented in Table 4.3 and Table 4.4.

Table 4.3 – NBW1 survey timings and weather summary

Date	Start/end time	Weather conditions
07 May 2025	Start Time: 20:43 End Time: 01:00 Sunset: 20:43	10 to 12°C, overcast, cool, dry
02 July 2025	Start Time: 21:35 End Time: 01:15 Sunset: 21:35	12 to 14°C, few/scattered clouds, still, dry
03 September 2025	Start Time: 19:47 End Time: 23:04 Sunset: 19:47	15 to 17°C, clear, still, dry

Table 4.4 – Number of bat passes during NBW1 surveys and activity score

Date	Common pipistrelle	Soprano pipistrelle	Nathusius' pipistrelle	Unidentified pipistrelle (50kHz)	Noctule	Myotis spp.	Brown long-eared bat	Total passes
07 May 2025	51	1	2	0	0	2	0	56
02 July 2025	9	27	0	0	1	1	0	38
03 September 2025	16	4	0	1	2	5	2	30
Total	76	32	2	1	3	8	2	124
Bat Activity Score								High

NBW2

4.2.10 NBW2, located within woodland and arable habitat in Route Section D near Epworth, as shown on **Figure A8.8.1 Night-time Bat Walkover** in Annex A. Despite a Moderate overall bat activity score (86 passes across the three surveys). Bat activity was concentrated in May reduced during July and markedly reduced during September. During the May 2025 survey, 53 bat passes (Moderate activity) were recorded. Common pipistrelle accounted for 47 passes and Nathusius' pipistrelle accounted for four passes. Myotis bats and brown long-eared bat were each recorded once.

4.2.11 During the July 2025 survey, activity declined compared to May, with 27 bat passes recorded (low activity). Common pipistrelle accounted for 25 passes, while noctule and brown long-eared bat were each recorded once.

4.2.12 During the September 2025 survey, activity remained Low, with six bat passes recorded. Common pipistrelle accounted for three passes, while Myotis was recorded two times, and Nathusius' pipistrelle once.

4.2.13 Across the survey season, bat activity at NBW2, 86 passes, was higher than that recorded at NBW5, 74 passes, but lower than that recorded at the other woodland and arable locations, NBW1 and NBW6. Activity was also lower than that recorded at the watercourse-associated routes NBW3 and NBW4.

4.2.14 Activity was noted across woodland and treeline edges throughout. Survey timings and weather conditions, and survey results for NBW2 are represented in Table 4.5 and Table 4.6.

Table 4.5 – NBW2 survey timings and weather summary

Date	Start/end time	Weather conditions
08 May 2025	Start Time: 21:13 End Time: 23:05 Sunset: 20:43	10 to 12°C, few/scattered clouds, light air, dry
03 July 2025	Start Time: 21:34 End Time: 00:43 Sunset: 21:34	15 to 17°C, clear, gentle breeze, dry
04 September 2025	Start Time: 19:45 End Time: 21:50 Sunset: 19:45	14 to 15 °C; few clouds; light air; dry

Table 4.6 – Number of bat passes during NBW2 surveys and activity score

Date	Common pipistrelle	Nathusius' pipistrelle	Noctule	Myotis spp.	Brown long-eared bat	Total passes
08 May 2025	47	4	0	1	1	53
03 July 2025	25	0	1	0	1	27

Date	Common pipistrelle	Nathusius' pipistrelle	Noctule	Myotis spp.	Brown long-eared bat	Total passes
04 September 2025	3	1	0	2	0	6
Total	75	5	1	3	2	86
Bat Activity Score						Moderate

NBW3

4.2.15 NBW3 surveys associated with arable and watercourse habitat in Route Section D near Haxey, as shown on **Figure A8.8.1 Night-time Bat Walkover** in Annex A, recorded High activity in May followed by a marked reduction during July (Low) and September (Very Low). During the May 2025 survey, 102 bat passes were recorded. Common pipistrelle was dominant (67 passes), and soprano pipistrelle was also recorded frequently (18 passes). Noctule accounted for 14 passes, while Leisler's bat was recorded twice. Unidentified pipistrelle was recorded once.

4.2.16 During the July 2025 survey, seven bat passes were recorded. Common pipistrelle accounted for four passes, while soprano pipistrelle was recorded once and noctule was recorded twice.

4.2.17 During the September 2025 survey, just one bat pass was recorded, comprising one pass from a noctule.

4.2.18 Across the season, bat activity at NBW3 (110 passes) was higher than that recorded at NBW2 and broadly comparable to NBW1, but lower than the particularly High activity recorded at the watercourse route NBW4. Compared to the woodland and arable locations, the High May activity at NBW3 is consistent with the foraging and commuting value of the watercourse corridor, even though activity reduced substantially during later survey months.

4.2.19 Activity was concentrated along the Warping Drain and treelines. Survey timings and weather conditions, and survey results for NBW3 are represented in Table 4.7 and Table 4.8.

Table 4.7 – NBW3 survey timings and weather summary

Date	Start/end time	Weather conditions
14 May 2025	Start time: 20:56 End time: 23:00 Sunset: 20:56	9 to 11°C; clear skies; calm to very light air; dry
09 July 2025	Start Time: 21:30 End Time: 23:40 Sunset: 21:30	19 to 18°C, few clouds, calm, dry
10 September 2025	Start Time: 19:32 End Time: 21:42 Sunset: 19:37	15 to 13°C, overcast, light breeze, dry

Table 4.8 – Number of bat passes during NBW3 surveys and activity score

Date	Common pipistrelle	Soprano pipistrelle	Unidentified pipistrelle (50kHz)	Noctule	Leisler's Bat	Total passes
14 May 2025	67	18	1	14	2	102
09 July 2025	4	1	0	2	0	7
10 September 2025	0	0	0	1	0	1
Total	71	19	1	17	2	110
Bat Activity Score						High

NBW4

4.2.20 NBW4, located within arable habitat associated with a watercourse in Route Section D near Misterton, recorded the highest overall activity across all NBWs, with High overall activity (205 passes across the three surveys). Moderate levels of activity were recorded across all months, with higher activity in May and July, and a reduction during the October survey visit. During the May 2025 survey, 79 bat passes were recorded. Common pipistrelle was dominant (56 passes), and soprano pipistrelle were recorded frequently (17 passes). Noctule accounted for five passes, and brown long-eared bat was recorded one time.

4.2.21 During the July 2025 survey, 88 bat passes were recorded, representing an increase compared to May. Common pipistrelle again dominated (76 passes). Soprano pipistrelle was recorded three times, noctule bat was recorded six times, and Myotis bats were recorded three times.

4.2.22 During the October 2025 survey, 38 bat passes were recorded, representing a reduction compared to earlier survey visits. Leisler's bat accounted for 16 passes, and common pipistrelle accounted for 11 passes. Soprano pipistrelle and noctule were each recorded five times, while brown long-eared bat was recorded one time.

4.2.23 Across the survey season, bat activity at NBW4 (205 passes) exceeded that recorded at all other NBWs, including the comparable watercourse associated survey location NBW3. Activity was substantially higher than all woodland and arable routes (NBW1, NBW2, NBW5 and NBW6), demonstrating the importance of the River Idle corridor and associated edge habitats for commuting and foraging bats.

4.2.24 Activity was localised predominantly to the River Idle edges with some localised activity towards the treelines to the northeast of the survey location. Weather conditions and results for the NBW4 surveys are represented in Table 4.9 and Table 4.10.

Table 4.9 – NBW4 survey timings and weather summary

Date	Start/end time	Weather conditions
15 May 2025	Start Time: 21:17 End Time: 22:52 Sunset: 20:58	13 to 10°C, overcast, light air, dry
10 July 2025	Start Time: 21:30 End Time: 00:01 Sunset: 21:35	22 to 19°C, few clouds, calm, dry
08 October 2025	Start Time: 18:23 End Time: 20:25 Sunset: 18:23	11 to 12°C; scattered clouds; calm; dry; good visibility

Table 4.10 – Number of bat passes during NBW4 surveys and activity score

Date	Common pipistrelle	Soprano pipistrelle	Noctule	Myotis spp.	Brown long-eared bat	Leisler's bat	Total passes
15 May 2025	56	17	5	0	1	0	79
10 July 2025	76	3	6	3	0	0	88
08 October 2025	11	5	5	0	1	16	38
Total	143	25	16	3	2	16	205
Bat Activity Score							High

NBW5

4.2.25 NBW5, located within woodland and arable habitat in Route Section E near South Wheatley., recorded Moderate overall activity with a total of 74 passes across the three surveys. Low activity was recorded during May, followed by a small increase in July, and a pronounced peak during September. During the May 2025 survey, eight bat passes were recorded (Low activity). Common pipistrelle accounted for two passes, noctule accounted for five passes, and a Myotis bat pass was recorded once.

4.2.26 During the July 2025 survey, 11 bat passes were recorded (Low activity). Common pipistrelle accounted for nine passes, while noctule bat was recorded twice.

4.2.27 During the September 2025 survey, 55 bat passes were recorded (Moderate activity), representing the highest activity recorded for this NBW route. Common pipistrelle was dominant (37 passes), while soprano pipistrelle accounted for nine passes and

Myotis bats were recorded seven times. Noctule bat was recorded one time and Leisler's bat was recorded one time.

4.2.28 Across the survey season, bat activity at NBW5 (74 passes) was lower than that recorded at NBW1, NBW2 and NBW6 within the same woodland and arable habitat type. Activity also remained substantially lower than that recorded at the watercourse locations, particularly NBW4, reflecting the generally stronger influence of riparian corridors on bat commuting and foraging activity.

4.2.29 Activity was generally concentrated towards the southwest and northwest of the route along the treelines and woodland edge. Weather conditions and results for NBW5 surveys are represented in Table 4.11 and Table 4.12.

Table 4.11 – NBW5 survey timings and weather summary

Date	Start/end time	Weather conditions
22 May 2025	Start Time: 21:08 End Time: 22:30 Sunset: 21:08	12 to 10°C, clear, light breeze, dry
17 July 2025	Start Time: 21:21 End Time: 23:15 Sunset: 21:21	18 to 17°C, few clouds, light air, dry
18 September 2025	Start Time: 19:08 End Time: 21:27 Sunset: 19:11	16 to 15°C; few/scattered clouds, light breeze, dry

Table 4.12 – Number of bat passes during NBW5 surveys and activity score

Date	Common pipistrelle	Soprano pipistrelle	Noctule	Myotis spp.	Leisler's bat	Total passes
22 May 2025	2	0	5	1	0	8
17 July 2025	9	0	2	0	0	11
18 September 2025	37	9	1	7	1	55
Total	48	9	8	8	1	74
Bat Activity Score						Moderate

NBW6

4.2.30 NBW6, located within woodland and arable habitat in Route Section F near Ragnall, recorded High overall bat activity with a total of 139 passes across the three surveys, and was the highest level of activity among NBWs of this habitat type. Peak activity was recorded in May followed by a decline through July and September, although individually all surveys returned Moderate bat activity levels. During the May 2025 survey, 64 bat passes were recorded. Common pipistrelle accounted for 63 passes, while a Myotis bat was recorded one time.

4.2.31 During the July 2025 survey, 47 bat passes were recorded. Common pipistrelle accounted for 37 passes, while Myotis bats were recorded six times and soprano pipistrelle was recorded two times. Brown long-eared bat was also recorded two times.

4.2.32 During the September 2025 survey, 28 bat passes were recorded. Common pipistrelle was again the most frequently recorded species (18 passes). Leisler's bat accounted for four passes, while soprano pipistrelle was recorded three times, and Myotis bat were recorded two times. Brown long-eared bat was recorded one time.

4.2.33 Across the survey season, bat activity at NBW6 (139 passes) exceeded that recorded at the other woodland and arable locations (NBW1, NBW2 and NBW5). While activity remained below the peak levels recorded at the watercourse location NBW4, it exceeded that recorded at arable and watercourse location NBW3, demonstrating that this survey location supports substantial bat activity with suitable commuting routes and foraging resources present.

4.2.34 Activity was generally concentrated along the north of the route along the treeline. Weather conditions and results for the NBW6 surveys are represented in Table 4.13 and Table 4.14.

Table 4.13 – NBW6 survey timings and weather summary

Date	Start/end Time	Weather conditions
29 May 2025	Start Time: 21:17 End Time: 00:00 Sunset: 21:17	19 to 17°C, few/scattered clouds, light breeze, dry
24 July 2025	Start Time: 21:42 End Time: 23:45 Sunset: 21:42	18 to 17°C, overcast, light air, dry to slight drizzle
25 September 2025	Start Time: 18:54 End Time: 21:10 Sunset: 18:54	13 to 11°C; clear, still, dry

Table 4.14 – Number of bat passes during NBW6 surveys and activity score

Date	Common pipistrelle	Soprano pipistrelle	Myotis spp.	Brown long-eared bat	Leisler's bat	Total passes
29 May 2025	63	0	1	0	0	64
24 July 2025	37	2	6	2	0	47
25 September 2025	18	3	2	1	4	28
Total	118	5	9	3	4	139
Bat Activity Score						High

Automated Static Bat Detector Surveys

4.2.35 Automated static bat detectors were deployed in 13 locations between April and October 2025, as listed in Table 3.2 and shown in **Figure A8.8.1 Night-time Bat Walkover** and **Figure A8.8.2 Bat Activity Vantage Point Locations** in Annex A. These comprised eight woodland and arable survey locations within NBW survey and VP survey locations including: Brantingham East (NBW1E), Brantingham West (NBW1W), Melwood Quarry (NBW2), Burton Lane/Wheatley Beck (NBW5), High Marnham (NBW6) and Vantage Point 1 Rowley Road (VP1), Vantage Point 2 Ferry Road (VP2) and Vantage Point 5 Forewood Lane (VP5).

4.2.36 Surveys also included three survey locations along arable and watercourse habitats within NBW and VP survey locations including: Warping Drain (NBW3), Misterton Golf Course (NBW4), and Vantage Point 3 Chesterfield Canal (VP3). Two other locations, Vantage Point 4 Hollowgate Road (VP4) and Vantage Point 6 Hazelwood Road (VP6) were also surveyed, but these habitats included predominantly arable only habitat with linear tree lines.

4.2.37 Across all automated static bat detector surveys, at least seven bat species were recorded, comprising common pipistrelle, soprano pipistrelle, Myotis bats, noctule, brown long-eared bat, Leisler's bat, and Nathusius' pipistrelle, with 'unidentified pipistrelle species' also recorded which could not be reliably assigned to either common pipistrelle or soprano species but do not represent a separate species themselves. Bat activity varied substantially between survey locations and habitat types. The highest number of bat passes were recorded at VP2, where a total of 16,051 bat passes was recorded across the survey period, while the lowest overall number of bat passes was recorded at NBW1E, with 1,297 bat passes recorded in total.

4.2.38 The number of bat passes varied between survey locations and habitat types, with clear distinctions between sites recording High, Moderate to High, Moderate, and Low to Moderate activity overall.

4.2.39 Within woodland and arable habitats, VP2 and NBW1W recorded the highest number of bat passes, with a total of 16,051 bat passes and 14,655 passes respectively, potentially representing the most active locations across the survey area. NBW5 (5,426 bat passes), VP1 (4,661 bat passes), and VP5 (4,999 bat passes) recorded Moderate to High activity, indicating regular and sustained bat use, particularly during peak Summer months. NBW1E (1,297 bat passes), NBW2 (1,544 bat passes), and NBW6 (1,486 bat passes) recorded Low to Moderate activity overall within this habitat type.

4.2.40 Within arable and watercourse locations, NBW4 recorded High overall bat activity, with a total of 11,193 bat passes. NBW3 recorded Moderate to High activity, with 10,546 bat passes, demonstrating frequent use of watercourse corridors for bat foraging and commuting. VP3 recorded Moderate activity, with a total of 6,716 bat passes across the survey period.

4.2.41 Within arable-only habitats, both VP4 and VP6 recorded Moderate overall bat activity, with totals of 9,598 bat passes and 5,097 bat passes, respectively. At both locations, activity was strongly seasonal, peaking during mid to late Summer (July to August).

4.2.42 Across the survey area as a whole, common pipistrelle was the most frequently recorded species, accounting for the majority of bat passes at all locations and in

most survey months. In contrast, Nathusius' pipistrelle was the least frequently recorded species, occurring only sporadically and in very Low numbers at a limited number of survey locations.

4.2.43 Survey conditions across the monitoring period were generally suitable for bat activity, with the majority of surveys carried out under dry or largely dry conditions, light to moderate winds, and temperatures conducive to bat foraging. Higher numbers of bat passes were typically recorded during periods of warm, calm weather, particularly during mid to late Summer (June to August), when overnight temperatures were consistently higher and wind speeds were generally lower. These conditions coincided with the highest recorded bat passes across most locations, reflecting likely increased insect availability and more optimal foraging conditions.

4.2.44 In contrast, lower levels of bat passes were more frequently recorded during surveys carried out under cooler conditions, increased wind speeds, or occasional light rainfall, particularly during early Spring (April to May) and early Autumn (September to October). Some occasional periods of drizzle or slightly stronger winds were associated with reduced activity at several locations, likely reflecting suppressed insect abundance and reduced foraging efficiency. Despite this variability, bat activity was recorded during all survey months, indicating regular use of the whole survey area throughout the active season, with weather conditions acting as an important factor on the magnitude of bat activity recorded on individual survey nights.

4.2.45 Nightly results of each of the survey nights are shown in **Automated Static Bat Detector Survey Results** (Annex B). Static locations can be found within **Figure A8.8.1 Night-time Bat Walkover** and **Figure A8.8.2 Bat Activity Vantage Point Locations** in Annex A. Weather information is available in **Weather Conditions for Automated Static Bat Detector Surveys** (Annex C**)**.

Brantingham East (NBW1E)

4.2.46 A total of 1,297 bat passes were recorded across all survey months at NBW1E. At least five bat species were recorded across the survey period, comprising common pipistrelle, soprano pipistrelle, Myotis bats, noctule, brown long-eared bat, and unidentified pipistrelle species which could not be confidently assigned to either common pipistrelle or soprano pipistrelle but do not represent a separate species. Bat activity ranged from Low to Moderate, with the highest activity recorded during Spring and early Summer (April to June), followed by a decline into late Summer and early Autumn (July to September). Results for NBW1E can be found in Table 4.15 and illustrated in Graph 4.1.

4.2.47 In April, a total of 658 bat passes were recorded, corresponding to Moderate activity. The most frequently recorded species was common pipistrelle with 495 passes, while the least frequently recorded species (of those recorded) was brown long-eared bat and noctule each with one pass. Soprano pipistrelle was recorded at Low to Moderate activity with 88 passes, while Myotis bats (eight passes) were recorded at Low activity.

4.2.48 In May, a total of 155 bat passes was recorded, corresponding to Low to Moderate activity. The most frequently recorded species was common pipistrelle with 146 passes, while the least frequently recorded species (of those recorded) were soprano pipistrelle and noctule, each recorded with one pass. Myotis bats (seven passes) were recorded at Low activity.

4.2.49 In June, a total of 81 bat passes was recorded, corresponding to Low activity. The most frequently recorded species was common pipistrelle with 71 passes, while the least frequently recorded species (of those recorded) was a Myotis bat with one pass. Soprano pipistrelle (nine passes) was recorded at Low activity.

4.2.50 In July, a total of 141 bat passes was recorded, corresponding to Low to Moderate activity. The most frequently recorded species was common pipistrelle with 106 passes, while the least frequently recorded species (of those recorded) was a brown long-eared bat with one pass. Soprano pipistrelle (29 passes), Myotis bats (three passes), and noctule (two passes) were recorded at Low activity during mid-Summer (July to August).

4.2.51 In August, a total of 212 bat passes was recorded, corresponding to Low to Moderate activity. The most frequently recorded species was common pipistrelle with 167 passes, while the least frequently recorded species (of those recorded) was brown long eared bat with (one pass). Noctule, soprano pipistrelle and Myotis were recorded at Low activity with five, 25 and 14 passes respectively.

4.2.52 In September, a total of 50 bat passes was recorded, corresponding to Low activity. The most frequently recorded species was common pipistrelle with 14 passes, while the least frequently recorded species (of those recorded) was brown long-eared bat with five passes. Myotis bats (11 passes), soprano pipistrelle (11 passes), and noctule (nine passes) were recorded at Low activity during early Autumn (September).

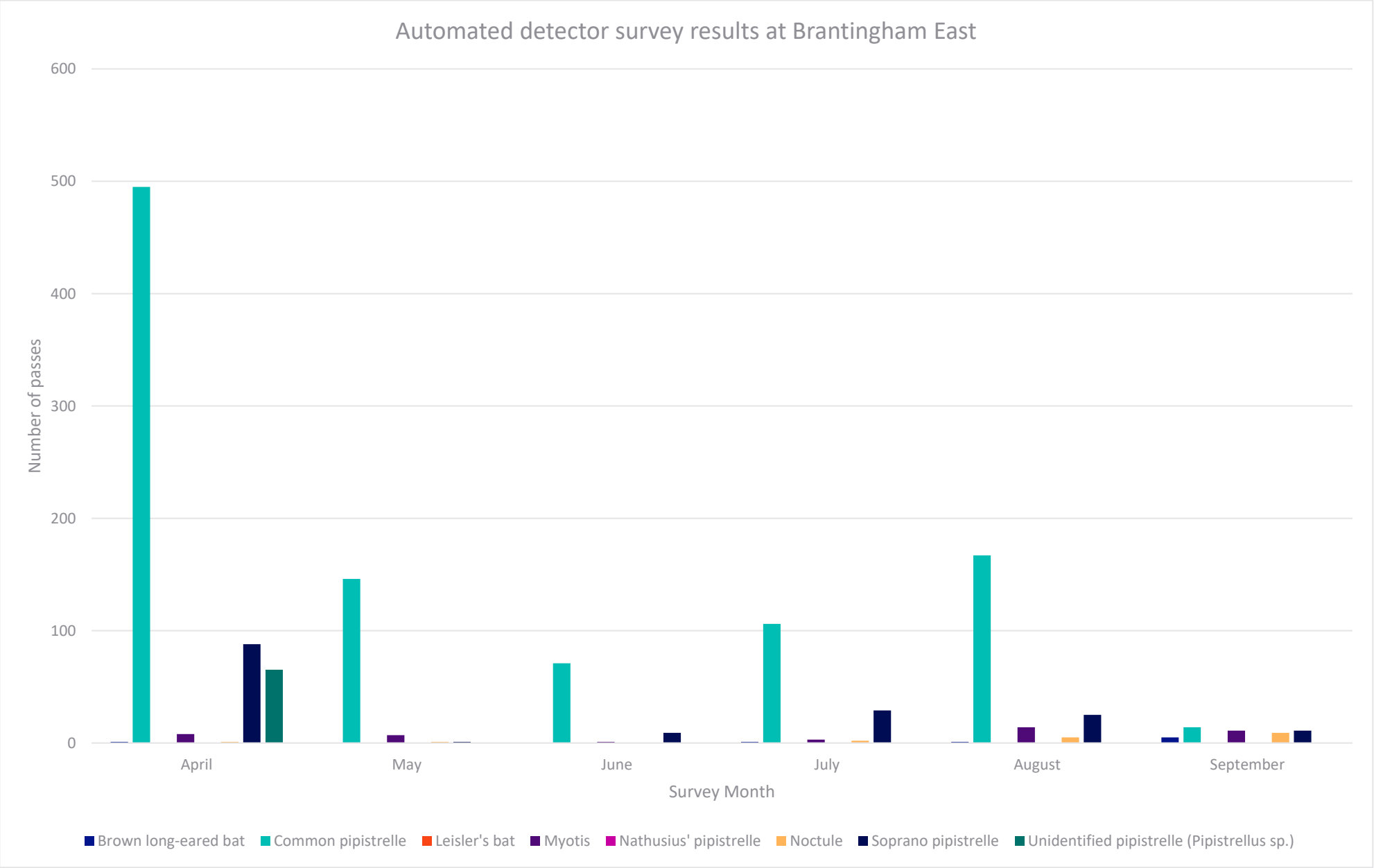
4.2.53 Survey conditions at NBW1E were generally suitable for bat activity, with predominantly dry and mild conditions during Spring (April to May) and mid-Summer (July to August). Reduced activity during early Autumn (September) coincided with cooler night-time temperatures.

4.2.54 Overall, bat activity at NBW1E was lower than that recorded at other woodland and arable locations, particularly NBW1W, VP1 and NBW5. Activity was also lower than that recorded at arable and watercourse locations, notably NBW4 and NBW3, and lower than the arable-only locations VP4 and VP6.

Table 4.15 – Summary of automated static bat detector survey results at Brantingham East (NBW1E)

Survey month	Brown long-eared bat	Common pipistrelle	Myotis spp.	Noctule	Soprano pipistrelle	Unidentified pipistrelle (50kHz)	Total bat passes (all nights)	Mean passes per night (5-night standard)	BAI (passes/hr)	Bat activity level
April 2025	1	495	8	1	88	65	658	131.6	11.96	Moderate
May 2025	0	146	7	1	1	0	155	31	3.1	Low to Moderate
June 2025	0	71	1	0	9	0	81	16.2	2.31	Low
July 2025	1	106	3	2	29	0	141	28.2	3.52	Low to Moderate
August 2025	1	167	14	5	25	0	212	42.4	4.71	Low to Moderate
September 2025	5	14	11	9	11	0	50	10	0.91	Low
Total	**8**	**999**	**44**	**18**	**163**	**65**	**1297**	**N/A**	**N/A**	**N/A**

Graph 4.1 – Automated static bat detector survey results at Brantingham East (NBW1E)



Brantingham West (NBW1W)

4.2.55 A total of 14,655 bat passes was recorded across all survey months at NBW1W, representing the second-highest level of bat activity recorded at any woodland and arable location. At least six bat species were recorded across the survey period, comprising common pipistrelle, soprano pipistrelle, Myotis bats, noctule, brown long-eared bat, Leisler's bat and unidentified pipistrelle species which could not be confidently assigned to either common pipistrelle or soprano pipistrelle species but do not represent a separate species in and of themselves. Bat activity ranged from Low to High, with consistently High activity recorded from early Summer through early Autumn (June to October). Results for NBW1W can be found in Table 4.16 and Graph 4.2.

4.2.56 In April, a total of ten bat passes was recorded, corresponding to Low activity. The most frequently recorded species was soprano pipistrelle with seven passes, while the least frequently recorded species (of those recorded) were common pipistrelle (one pass) and Myotis bats with two passes.

4.2.57 In May, a total of 155 bat passes was recorded, corresponding to Low to Moderate activity. The most frequently recorded species was common pipistrelle with 146 passes, while the least frequently recorded species (of those recorded) was a soprano pipistrelle and noctule bat each with one pass. Myotis bats (seven passes) were also recorded at Low activity.

4.2.58 In June, a total of 2,192 bat passes was recorded, corresponding to High activity. The most frequently recorded species was common pipistrelle with 1,886 passes, while the least frequently recorded species (of those recorded) was a Leisler's bat (one pass). Soprano pipistrelle (230 passes) and Myotis bats (64 passes) were recorded at Moderate activity, while brown long-eared bat (nine passes) and noctule (two passes) were recorded at Low activity.

4.2.59 In July, a total of 2,986 bat passes was recorded, corresponding to High activity. The most frequently recorded species was common pipistrelle with 2,147 passes, while the least frequently recorded species (of those recorded) was Leisler's bat (two passes). Brown long-eared bat was recorded at Low activity with eight passes. Soprano pipistrelle (751 passes) was recorded at Moderate activity, while Myotis bats (26 passes) and noctule (nine passes) were recorded at Low activity during July.

4.2.60 In August, a total of 3,978 bat passes was recorded, corresponding to High activity. The most frequently recorded species was common pipistrelle with 2,843 passes, while the least frequently recorded species (of those recorded) were Leisler's bat (two passes) and brown long-eared bat with five passes. Soprano pipistrelle (949 passes) and Myotis bats (148 passes) were recorded at Moderate activity, while noctule (eight passes) was recorded at Low activity.

4.2.61 In September, a total of 2,172 bat passes was recorded, corresponding to Moderate to High activity. The most frequently recorded species was common pipistrelle with 780 passes, while the least frequently recorded species (of those recorded) was brown long-eared bat with seven passes. Soprano pipistrelle (696 passes) and Myotis bats (462 passes) were recorded at Low to Moderate activity, while noctule (12 passes) was recorded at Low activity.

4.2.62 In October, a total of 3,162 bat passes was recorded, corresponding to High activity. The most frequently recorded species was common pipistrelle with 2,095 passes,

while the least frequently recorded species (of those recorded) was brown long-eared bat with one pass. Soprano pipistrelle (968 passes) and Myotis bats (83 passes) were recorded at Low to Moderate activity, while noctule (nine passes) was recorded at Low activity.

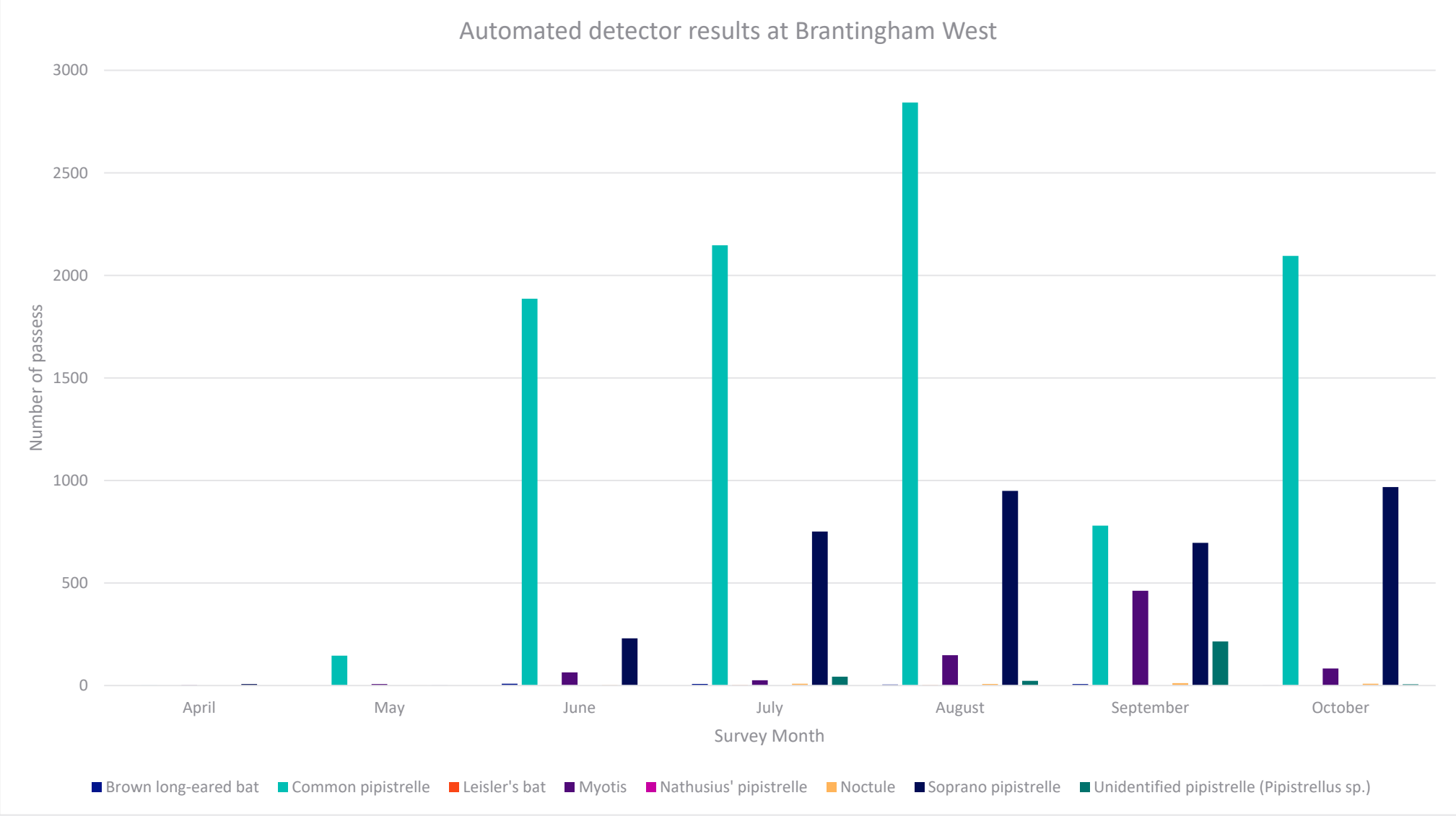
4.2.63 Survey conditions at NWB1W were generally favourable for bat activity, with warm and largely dry conditions during early and mid-Summer (June to August). Elevated activity persisted into early Autumn (September to October) despite increasingly cooler temperatures and periods of wind and rainfall.

4.2.64 Overall, bat activity at NBW1W was substantially higher than most other woodland and arable locations with the exception of VP2. Activity at this location was also higher than that recorded at arable and watercourse locations, including NBW4 and VP3, and higher than all arable-only locations.

Table 4.16 – Summary of automated static bat detector survey results at Brantingham West (NBW1W)

Survey month	Brown long-eared bat	Common pipistrelle	Leisler's bat	Myotis	Noctule	Soprano pipistrelle	Unidentified pipistrelle (Pipistrellus spp.)	Total bat passes (all nights)	Mean passes per night (5-night standard)	BAI (passes/ hr)	Bat activity level
April 2025	0	1	0	2	0	7	0	10	2	0.18	Low
May 2025	0	146	0	7	1	1	0	155	31	3.1	Low to Moderate
June 2025	9	1,886	1	64	2	230	0	2,192	438.4	62.63	High
July 2025	8	2,147	2	26	9	751	43	2,986	597.2	74.65	High
August 2025	5	2,843	2	148	8	949	23	3,978	795.6	88.4	High
September 2025	7	780	0	462	12	696	215	2,172	434.4	39.49	Moderate to High
October 2025	1	2,095	0	83	9	968	6	3,162	632.4	48.65	High
Total	**30**	**9,898**	**5**	**792**	**41**	**3602**	**287**	**14,655**	**N/A**	**N/A**	**N/A**

Graph 4.2 – Automated detector survey results at Brantingham West (NBW1W)



Melwood Quarry (NBW2)

4.2.65 A total of 1,544 bat passes was recorded across all survey months at NBW2. At least five bat species were recorded across the survey period, comprising common pipistrelle, soprano pipistrelle, Myotis bats, noctule, and brown long-eared bat. Bat activity ranged from Low to moderate, with slightly elevated activity during mid-Summer (July to August) and reduced activity during Spring (April) and early Autumn (September to October).

4.2.66 In April, a total of 18 bat passes was recorded, corresponding to Low activity. The most frequently recorded species was common pipistrelle with nine passes, while the least frequently recorded species (of those recorded) were Myotis with two passes. Noctule (seven passes) was recorded at Low activity. Survey conditions during this period were generally cool but dry, with light winds.

4.2.67 In June, a total of 42 bat passes was recorded, corresponding to Low activity. The most frequently recorded species was common pipistrelle with 39 passes, while the least frequently recorded species (of those recorded) was brown long-eared bat with one pass. Myotis bats (two passes) were recorded at Low activity. Several survey nights coincided with overcast conditions and rainfall, which likely constrained bat activity.

4.2.68 In July, a total of 587 bat passes was recorded, corresponding to Moderate activity. The most frequently recorded species was common pipistrelle with 583 passes, while the least frequently recorded species (of those recorded) was Myotis bats and brown long-eared bat with one pass. Noctule (two passes) were also recorded at Low activity during generally warm and settled conditions in July.

4.2.69 In August, a total of 522 bat passes was recorded, corresponding to Moderate activity. The most frequently recorded species was common pipistrelle with 488 passes, while the least frequently recorded species (of those recorded) was Noctule (five passes). Myotis bats with 14 passes, soprano pipistrelle (eight passes) and brown long-eared bat (seven passes) were recorded at Low activity.

4.2.70 In September, a total of 15 bat passes was recorded, corresponding to Low activity. The most frequently recorded species was common pipistrelle with nine passes, Myotis bats with four passes, while the least frequently recorded species (of those recorded) were noctule and brown long-eared bat, each recorded with one pass.

4.2.71 In October, a total of 360 bat passes was recorded, corresponding to Low to Moderate activity. The most frequently recorded species was common pipistrelle with 355 passes, while the least frequently recorded species (of those recorded) was Myotis bats with five passes. Weather conditions during this period were cooler, with increased wind and intermittent rainfall.

4.2.72 Survey conditions at NBW2 were variable, with generally dry and cool conditions during Spring (April), wetter conditions during early Summer (June), and warmer, more favourable conditions during July to August. Reduced activity during early Autumn (September to October) coincided with cooler temperatures.

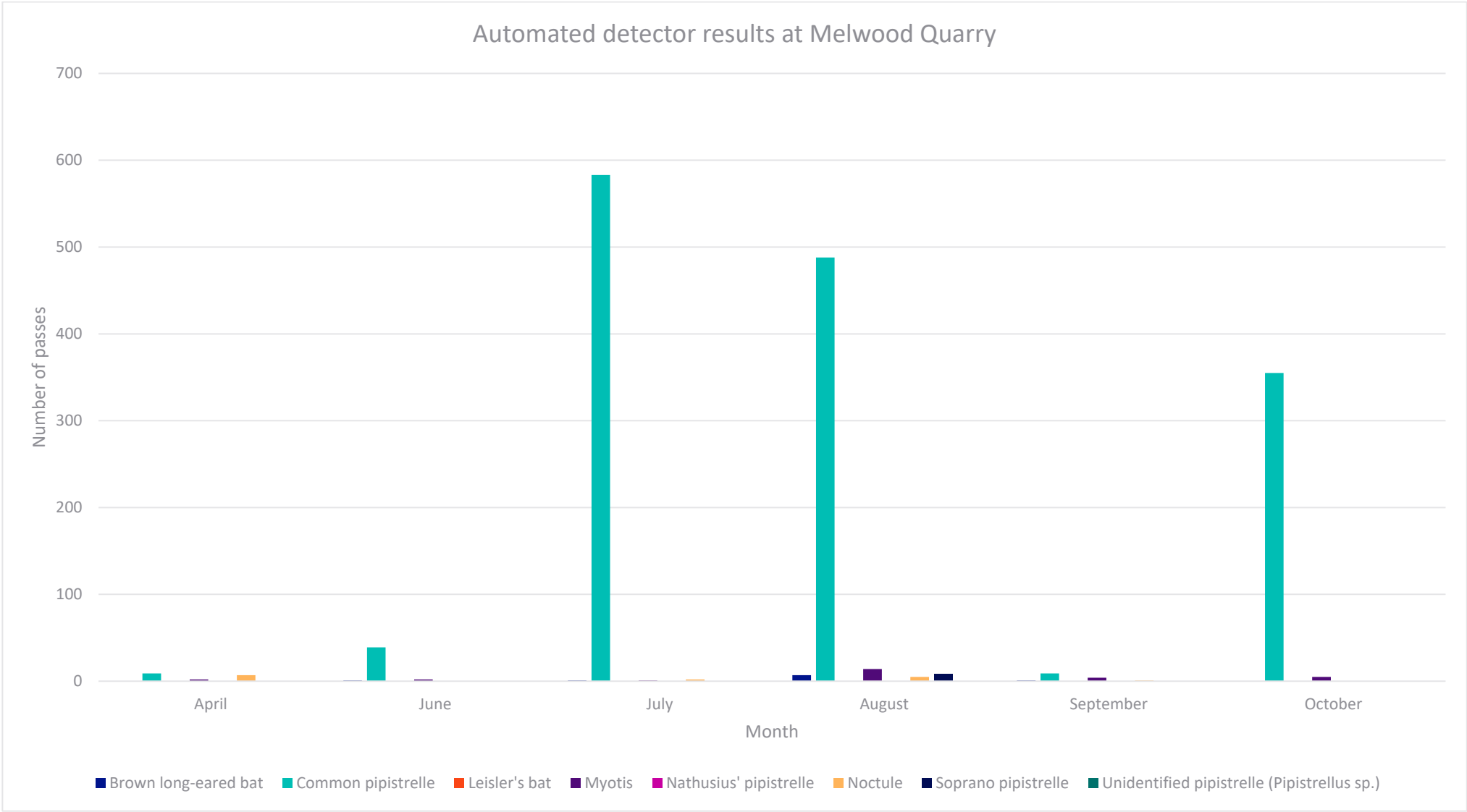
4.2.73 Overall, bat activity at NBW2 was lower than that recorded at other woodland and arable locations, particularly NBW1W, and VP2, but was broadly comparable to NBW1E and NBW6. Activity at this location was also lower than that recorded at arable and watercourse locations, including NBW3, NBW4, and VP3 Chesterfield Canal, and was generally lower than that recorded at arable-only VP locations during peak Summer months.

4.2.74 Results for this location are summarised in Table 4.17 and illustrated in Graph 4.3.

Table 4.17 – Summary of automated static bat detector survey results at Melwood Quarry (NBW2)

Survey month	Brown long-eared bat	Common pipistrelle	Myotis spp.	Noctule	Soprano pipistrelle	Total bat passes (all nights)	Mean passes per night (5-night standard)	BAI (passes/hr)	Bat activity level
April 2025	0	9	2	7	0	18	3.6	0.33	Low
June 2025	1	39	2	0	0	42	8.4	1.2	Low
July 2025	1	583	1	2	0	587	117.4	14.68	Moderate
August 2025	7	488	14	5	8	522	104.4	11.6	Moderate
September 2025	1	9	4	1	0	15	3	0.27	Low
October 2025	0	355	5	0	0	360	72	5.54	Low to Moderate
Total	**10**	**1483**	**28**	**15**	**8**	**1544**	**N/A**	**N/A**	**N/A**

Graph 4.3 – Automated static bat detector survey results at Melwood Quarry (NBW2)



Warping Drain (NBW3)

4.2.75 A total of 10,546 bat passes was recorded across all survey months at NBW3. At least six bat species were recorded across the survey period, comprising common pipistrelle, soprano pipistrelle, noctule, Myotis bats, Leisler's bat, and brown long-eared bat. Bat activity ranged from Low to Moderate to High, with particularly elevated activity recorded during late Spring and mid-Summer (May to August).

4.2.76 In April, a total of 573 bat passes was recorded, corresponding to Moderate activity. The most frequently recorded species was common pipistrelle with 487 passes, while the least frequently recorded species (of those recorded) was Myotis bats with two passes. Noctule (43 passes) and soprano pipistrelle (41 passes) were recorded at Low to Moderate activity. Weather conditions during this period were generally cool with occasional rainfall.

4.2.77 In May, a total of 6,845 bat passes was recorded, corresponding to High activity. The most frequently recorded species was common pipistrelle with 6,036 passes, while the least frequently recorded species (of those recorded) was brown long-eared bat with two passes. Soprano pipistrelle (608 passes) and noctule (195 passes) were recorded at Moderate activity, while Myotis bats (four passes) were recorded at Low activity. Survey conditions were generally warm and dry during late Spring (May).

4.2.78 In June, a total of 1,028 bat passes was recorded, corresponding to Moderate to High activity. The most frequently recorded species was noctule with 404 passes, while the least frequently recorded species (of those recorded) was Leisler's bat with three passes. Common pipistrelle (388 passes) and Myotis bats (200 passes) were recorded at Moderate activity, while soprano pipistrelle (33 passes) was recorded at Low activity. Conditions during this period were warm and settled.

4.2.79 In July, a total of 448 bat passes was recorded, corresponding to Moderate activity. The most frequently recorded species was common pipistrelle (290 passes) and noctule with 113 passes, while the least frequently recorded species (of those recorded) was Myotis bats with 11 passes. Soprano pipistrelle (34 passes) was recorded at Low to Moderate activity.

4.2.80 In August, a total of 550 bat passes was recorded, corresponding to Moderate activity. The most frequently recorded species was common pipistrelle with 369 passes, while the least frequently recorded species (of those recorded) was brown long-eared bat with three passes. Noctule (74 passes), soprano pipistrelle (65 passes), Myotis bats (29 passes), and Leisler's bat (ten passes) were all recorded at Low activity.

4.2.81 In September, a total of 204 bat passes was recorded, corresponding to Low to Moderate activity. The most frequently recorded species was Myotis bats with 121 passes, while the least frequently recorded species (of those recorded) was Leisler's bat with two passes. Common pipistrelle (48 passes), soprano pipistrelle (25 passes), and noctule (eight passes) were recorded at Low activity during early Autumn (September).

4.2.82 In October, a total of 898 bat passes was recorded, corresponding to Moderate activity. The most frequently recorded species was common pipistrelle with 752 passes, while the least frequently recorded species (of those recorded) were Myotis bats and noctule, each recorded with 12 passes. Soprano pipistrelle (122 passes) was recorded at Low to Moderate activity. Survey conditions during this period were cooler with increased rainfall.

4.2.83 Survey conditions at NBW3 were generally favourable for bat activity during late Spring and Summer (May to August), with warm temperatures and predominantly dry conditions. Reduced activity during early September coincided with cooler temperatures and increased rainfall.

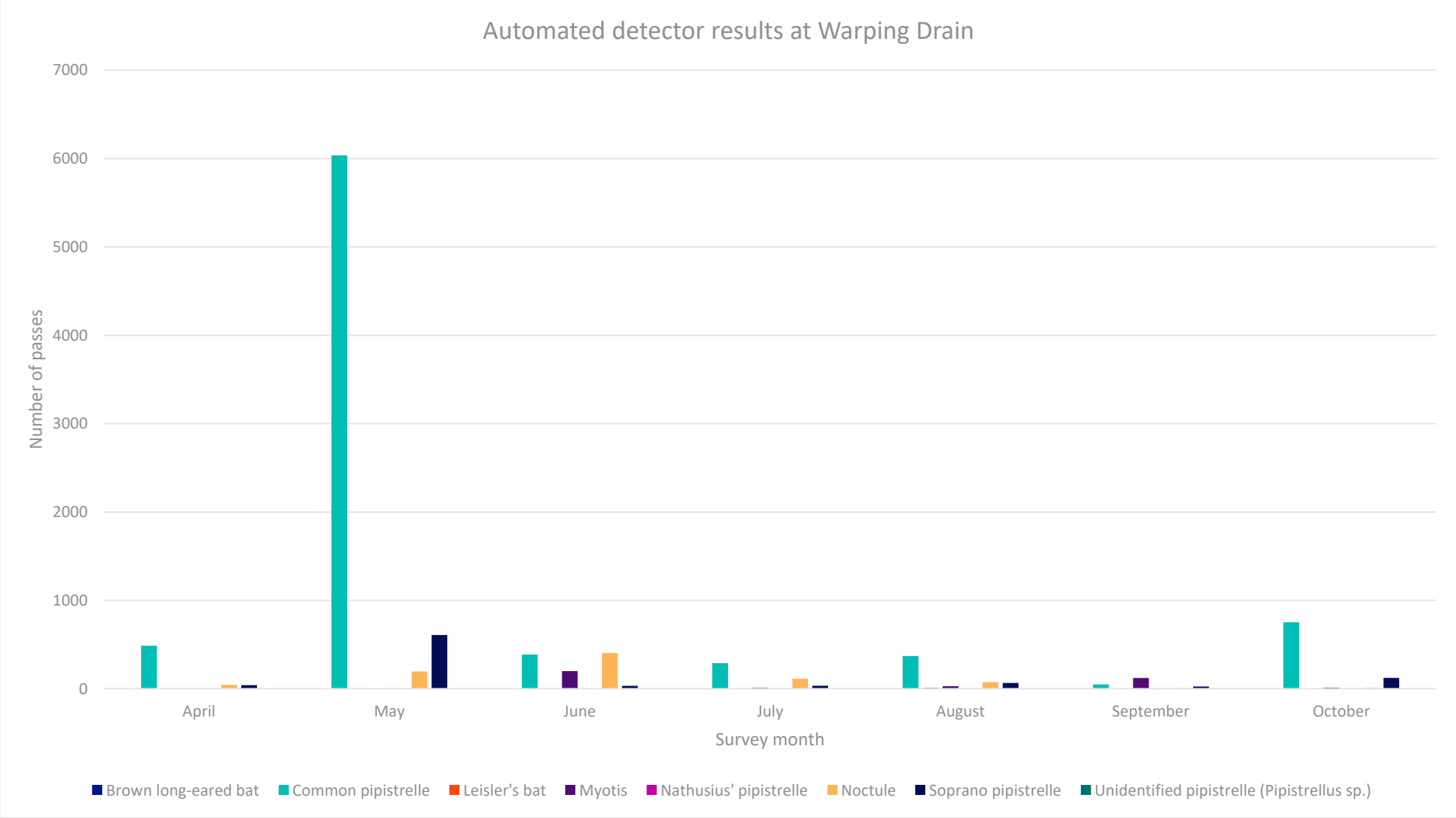
4.2.84 Bat activity at NBW3 was higher than that recorded at most other woodland and arable locations, including NBW1E, NBW2, and NBW6, and was exceeded only by VP2 and NBW1W. Activity at this location was broadly comparable to similar arable and watercourse locations, particularly NBW4, and was higher than that recorded at arable-only locations, including VP4 and VP6.

4.2.85 Results for this location are summarised in Table 4.18 and illustrated in Graph 4.4.

Table 4.18 – Summary of automated static bat detector survey results at Warping Drain (NBW3)

Survey month	Brown long-eared bat	Common pipistrelle	Leisler's bat	Myotis	Noctule	Soprano pipistrelle	Total bat passes (all nights)	Mean passes per night (5-night standard)	BAI (passes/hr)	Bat activity level
April 2025	0	487	0	2	43	41	573	114.6	10.42	Moderate
May 2025	2	6,036	0	4	195	608	6,845	1,369	136.9	High
June 2025	0	388	3	200	404	33	1,028	205.6	29.37	Moderate to High
July 2025	0	290	0	11	113	34	448	89.6	11.2	Moderate
August 2025	3	369	10	29	74	65	550	110	12.22	Moderate
September 2025	0	48	2	121	8	25	204	40.8	3.71	Low – Moderate
October 2025	0	752	0	12	12	122	898	179.6	13.82	Moderate
Total	**5**	**8,370**	**15**	**379**	**849**	**928**	**10,546**	**N/A**	**N/A**	**N/A**

Graph 4.4 – Automated static bat detector survey results at Warping Drain (NBW3)



Misterton Golf Course, River Idle (NBW4)

4.2.86 A total of 11,193 bat passes was recorded across all survey months at NBW4. At least six bat species were recorded across the survey period, comprising common pipistrelle, soprano pipistrelle, unidentified pipistrelle species, Myotis bats, Leisler's bat, noctule, and brown long-eared bat. Bat activity ranged from Low to High, with consistently elevated activity recorded during mid to late Summer and early Autumn (July to October).

4.2.87 In April a total of 618 bat passes was recorded, corresponding to Moderate activity. The most frequently recorded species was common pipistrelle with 459 passes, while the least frequently recorded species (of those recorded) was noctule with 19 passes. Soprano pipistrelle (79 passes), Myotis bat (34 passes), brown long-eared bat (25 passes) and unidentified pipistrelle (two passes) were recorded at low-moderate activity.

4.2.88 In June, a total of seven bat passes was recorded, corresponding to Low activity. The only recorded species was noctule with seven passes. No other bat species were recorded during this month.

4.2.89 In July, a total of 2,966 bat passes was recorded, corresponding to High activity. The most frequently recorded species was common pipistrelle with 2,650 passes, while the least frequently recorded species (of those recorded) was Leisler's bat (one pass) and brown long-eared bat with three passes. Soprano pipistrelle (292 passes) was recorded at Moderate activity, while Myotis bats (nine passes) and noctule (nine passes) were recorded at Low activity.

4.2.90 In August, a total of 3,364 bat passes was recorded, corresponding to High activity. The most frequently recorded species was common pipistrelle with 2,727 passes, while the least frequently recorded species (of those recorded) was unidentified pipistrelle species (four passes) and brown long-eared bat with nine passes. Myotis bats (422 passes) and soprano pipistrelle (154 passes) were recorded at Low to Moderate activity, while noctule (48 passes) was recorded at Low activity.

4.2.91 In September, a total of 2,196 bat passes was recorded, corresponding to High activity. The most frequently recorded species was common pipistrelle with 1,299 passes, while the least frequently recorded species (of those recorded) was brown long-eared bat with three passes. Soprano pipistrelle (528 passes), Myotis bats (142 passes), and noctule (222 passes) were recorded at Low to Moderate activity.

4.2.92 In October, a total of 2,042 bat passes was recorded, corresponding to Moderate-High activity. The most frequently recorded species was common pipistrelle with 1,261 passes, while the least frequently recorded species (of those recorded) was brown long-eared bat with one pass and Leisler's bat (two passes). Soprano pipistrelle (158 passes), Myotis bats (167 passes), and noctule (444 passes) were recorded at Low to Moderate activity.

4.2.93 Survey conditions at NBW4 were generally more favourable for bat activity during Summer and early Autumn (July to October), with warm temperatures, calm nights, and limited rainfall. Lower activity in April and June coincided with cooler nights and intermittent rain during early Summer.

4.2.94 Overall, bat activity at NBW4 was higher than that recorded at most woodland and arable locations, including NBW1E, NBW2, NBW5 and NBW6, and was exceeded only by NBW1W and VP2 which supported the highest activity across the survey area.

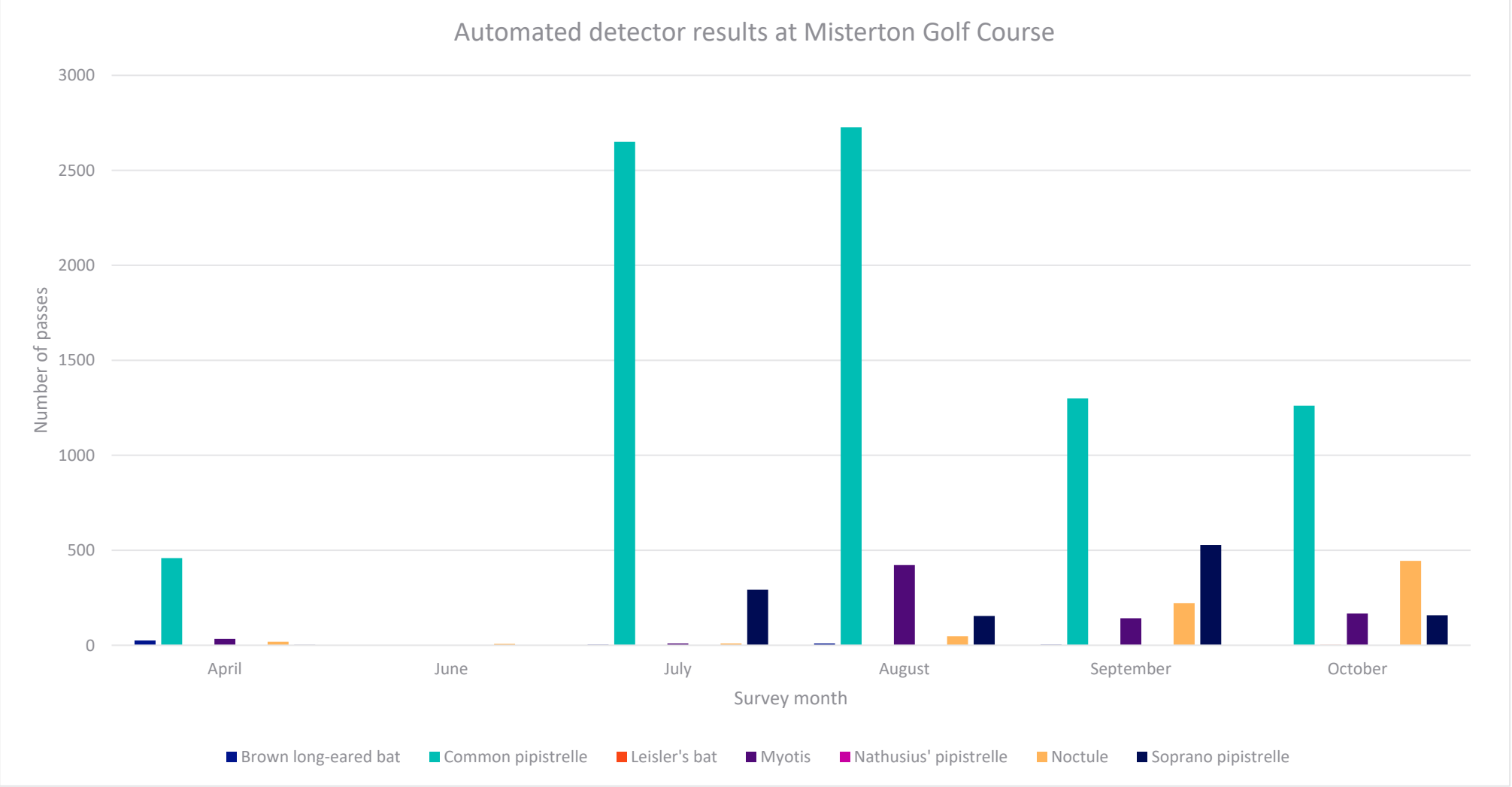
4.2.95 Within the arable and watercourse habitat type, bat activity at NBW4 was broadly comparable to that recorded at VP3 and generally higher than that recorded at arable locations VP4 and VP6.

4.2.96 Results for this location are summarised in Table 4.19 and illustrated in Graph 4.5.

Table 4.19 – Summary of automated static bat detector survey results at Misterton Golf Course (NBW4)

Survey month	Brown long-eared bat	Common pipistrelle	Leisler's bat	Myotis spp.	Noctule	Soprano pipistrelle	Unidentified pipistrelle (50kHz)	Total bat passes (all nights)	Mean passes per night (5-night standard)	BAI (passes/ hr)	Bat activity level
April	25	459	0	34	19	79	2	618	123.6	11.23	Moderate
June 2025	0	0	0	0	7	0	0	7	1.4	0.2	Low
July 2025	3	2,650	1	9	9	292	2	2,966	593.2	74.15	High
August 2025	9	2,727	0	422	48	154	4	3,364	672.8	74.76	High
September 2025	3	1,299	0	142	222	528	2	2,196	439.2	39.93	High
October 2025	1	1,261	2	167	444	158	9	2,042	408.4	31.42	Moderate to High
Total	**41**	**8,396**	**3**	**774**	**749**	**1211**	**19**	**11,193**	**N/A**	**N/A**	**N/A**

Graph 4.5 – Automated static bat detector survey results at Misterton Golf Course, River Idle (NBW4)



Burton Lane/Wheatley Beck (NBW5)

4.2.97 A total of 5,426 bat passes was recorded across all survey months at NBW5. At least seven bat species were recorded across the survey period, comprising common pipistrelle, soprano pipistrelle, unidentified pipistrelle, Myotis bats, Leisler's bat noctule, and brown long-eared bat. Bat activity ranged from Low to High, with the highest levels of activity recorded during mid to late Summer and early Autumn (July to September).

4.2.98 In April, a total of 166 bat passes was recorded, corresponding to Low to Moderate activity. The most frequently recorded species was common pipistrelle with 144 passes, while the least frequently recorded species (of those recorded) was noctule with one pass. Soprano pipistrelle (16 passes) and Myotis bats (five passes) were recorded at Low activity.

4.2.99 In May, a total of 58 bat passes was recorded, corresponding to Low activity. The most frequently recorded species was noctule bat with 22 passes, while the least frequently recorded species (of those recorded) was Myotis bats with three passes. Common pipistrelle (17 passes) and soprano pipistrelle (16 passes) were recorded at Low activity during May.

4.2.100 In June, a total of 353 bat passes was recorded, corresponding to Low to Moderate activity. The most frequently recorded species was common pipistrelle with 157 passes. The least recorded species was noctule bat with 50 passes. Soprano pipistrelle (146 passes) was recorded at Moderate activity.

4.2.101 In July, a total of 1,421 bat passes was recorded, corresponding to Moderate to High activity. The most frequently recorded species was common pipistrelle with 1,164 passes, while the least frequently recorded species (of those recorded) was Leisler's bat with two passes. Myotis bats (119 passes), noctule bat (29 passes), soprano pipistrelle (82 passes), and brown long-eared bat (25 passes) were recorded at Low to Moderate activity.

4.2.102 In August, a total of 1,091 bat passes was recorded, corresponding to Moderate to High activity. The most frequently recorded species was common pipistrelle with 618 passes, while the least frequently recorded species (of those recorded) was brown long-eared bat with three passes. Myotis bats (254 passes), soprano pipistrelle (204 passes), and noctule bat (12 passes) were recorded at Low to Moderate activity.

4.2.103 In September, a total of 1,263 bat passes was recorded, corresponding to Moderate to High activity. The most frequently recorded species was common pipistrelle with 699 passes, while the least frequently recorded species (of those recorded) was unidentified pipistrelle with two passes. Myotis bats (157 passes), noctule (237 passes), soprano pipistrelle (155 passes), and brown long-eared bat (ten passes) were recorded at Low to Moderate activity.

4.2.104 In October, a total of 1,074 bat passes was recorded, corresponding to Moderate to High activity. The most frequently recorded species was common pipistrelle with 728 passes, while the least frequently recorded species (of those recorded) was unidentified pipistrelle with one pass. Myotis bats (133 passes), noctule (65 passes), and soprano pipistrelle (144 passes) were recorded with Moderate activity, whilst brown long-eared bat (three passes) was recorded with Low activity.

4.2.105 Survey conditions at NBW5 was more favourable for bat activity during Summer and early Autumn (July to September), with warm temperatures and predominantly dry conditions. Reduced activity during Spring (April to May) coincided with cooler night-

time temperatures and occasional rainfall, while sustained activity into October occurred despite cooler conditions.

4.2.106 Overall, bat activity at NBW5 was higher than that recorded at several other woodland and arable locations, including NBW1E, and NBW2, but was lower than that recorded at NBW1W and VP2.

4.2.107 Activity at this location was lower than that recorded at arable and watercourse locations, particularly NBW4, but was broadly comparable to woodland and arable VP locations, including VP1, and VP5.

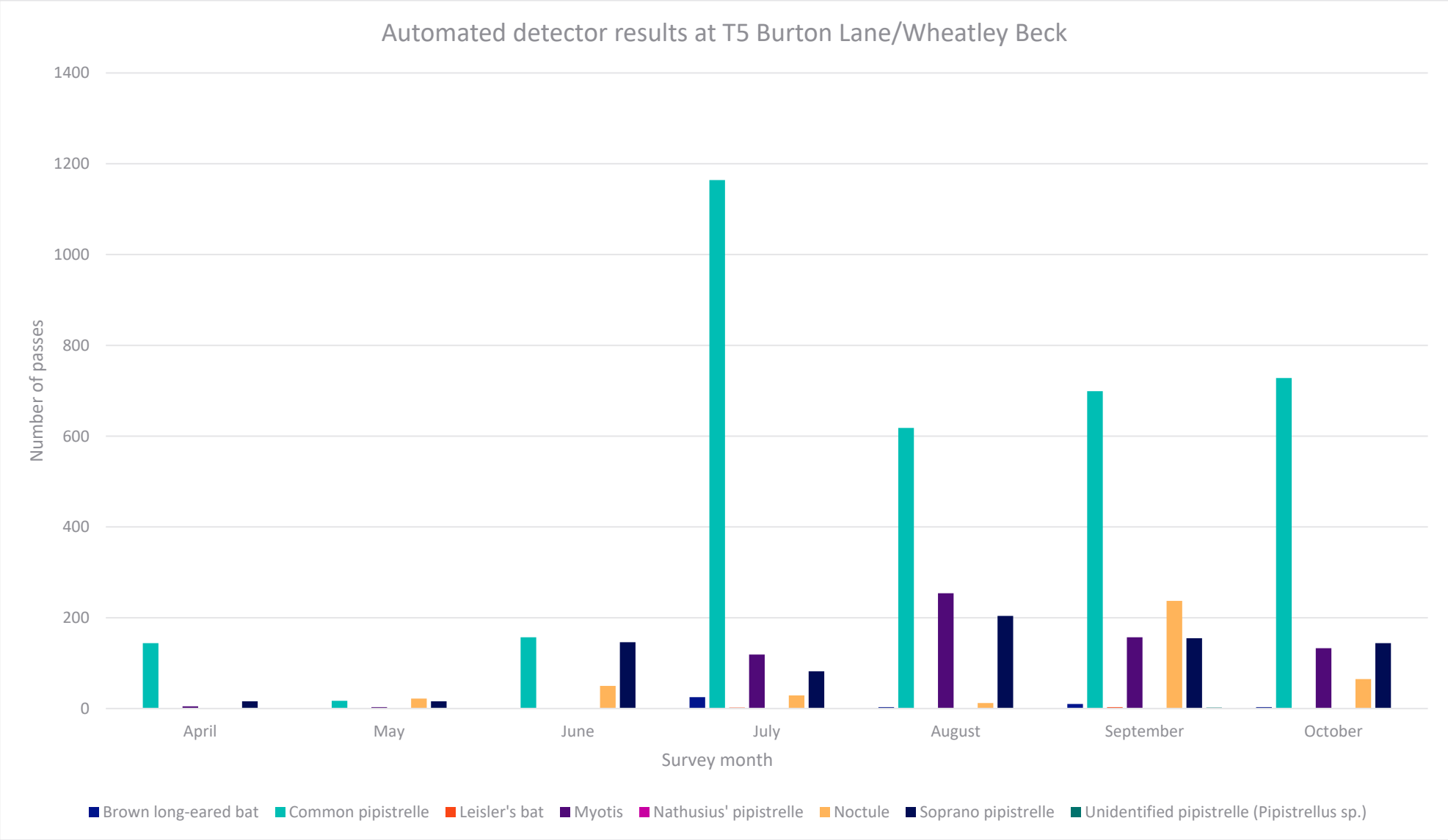
4.2.108 Bat activity at NBW5 was higher than that recorded at arable-only location VP6, but lower than VP4.

4.2.109 Results for this location are summarised in Table 4.20 and illustrated in Graph 4.6.

Table 4.20 – Summary of automated static bat detector survey results at Burton Lane/Wheatley Beck (NBW5)

Survey month	Brown long-eared bat	Common pipistrelle	Leisler's bat	Myotis spp.	Noctule	Soprano pipistrelle	Unidentified pipistrelle (50kHz)	Total bat passes (all nights)	Mean passes per night (5-night standard)	BAI (passes /hr)	Bat activity level
April 2025	0	144	0	5	1	16	0	166	33.2	3.02	Low to Moderate
May 2025	0	17	0	3	22	16	0	58	11.6	1.16	Low
June 2025	0	157	0	0	50	146	0	353	70.6	10.09	Low to Moderate
July 2025	25	1,164	2	119	29	82	0	1,421	284.2	35.52	Moderate to High
August 2025	3	618	0	254	12	204	0	1,091	218.2	24.24	Moderate to High
September 2025	10	699	3	157	237	155	2	1,263	252.6	22.96	Moderate to High
October 2025	3	728	0	133	65	144	1	1,074	214.8	16.52	Moderate to High
Total	**41**	**3,527**	**5**	**671**	**416**	**763**	**3**	**5,426**	**N/A**	**N/A**	**N/A**

Graph 4.6 – Automated static bat detector survey results at Burton Lane/Wheatley Beck (NBW5)



High Marnham (NBW6)

4.2.110 A total of 1,486 bat passes was recorded across all survey months at NBW6. At least six bat species were recorded across the survey period, comprising common pipistrelle, soprano pipistrelle, unidentified pipistrelle, Myotis bats, noctule bat, Leisler's bat and brown long-eared bat. Bat activity ranged from Low to moderate, with the highest activity recorded during mid to late Summer (July to August) and consistently lower activity recorded during Spring and early Autumn (April to May, and September to October).

4.2.111 In April, a total of 259 bat passes was recorded, corresponding to Low to Moderate activity. The most frequently recorded species was common pipistrelle with 128 passes, while the least frequently recorded species (of those recorded) was Leisler's bat (two passes) and soprano pipistrelle with six passes. Noctule bat was also recorded at low-moderate activity with 123 passes.

4.2.112 In May, a total of 53 bat passes was recorded, corresponding to Low activity. The most frequently recorded species was common pipistrelle with 46 passes, while the least frequently recorded species (of those recorded) was soprano pipistrelle and Leisler's bat each with two passes. Noctule bat was recorded at Low activity with three passes.

4.2.113 In June, a total of 31 bat passes was recorded, corresponding to Low activity. The only species recorded during this month was common pipistrelle.

4.2.114 In July, a total of 580 bat passes was recorded, corresponding to Moderate activity. The most frequently recorded species was common pipistrelle with 535 passes, while the least frequently recorded species (of those recorded) was brown long-eared bat and Leisler's bat each with four passes. Noctule bat with nine passes, soprano pipistrelle (15 passes), and Myotis bats (13 passes) were recorded with Low activity.

4.2.115 In August, a total of 407 bat passes was recorded, corresponding to Moderate activity. The most frequently recorded species was common pipistrelle with 219 passes, while the least frequently recorded species (of those recorded) was brown long-eared bat with four passes. Noctule bat was recorded at Low to Moderate activity with 122 passes, while Myotis bats (36 passes) and soprano pipistrelle (26 passes) were recorded at Low activity.

4.2.116 In September, a total of 153 bat passes was recorded, corresponding to Low to Moderate activity. The most frequently recorded species was common pipistrelle with 68 passes, while the least frequently recorded species (of those recorded) was unidentified pipistrelle species (two passes) and soprano pipistrelle with six passes. Brown long-eared bat was recorded with Low activity with ten passes along with Myotis bats (45 passes), and noctule with 22 passes.

4.2.117 In October, a total of three bat passes was recorded, corresponding to Low activity. The most frequently recorded species was soprano pipistrelle with two passes, while the least frequently recorded species (of those recorded) was common pipistrelle with one pass.

4.2.118 Survey conditions at NBW6 were variable, with cooler temperatures and occasional rainfall during Spring (April to May), warmer and generally dry conditions during mid-Summer (July to August), and cooler, wetter conditions during early Autumn (September to October). Peak activity during Summer coincided with warmer, calmer nights.

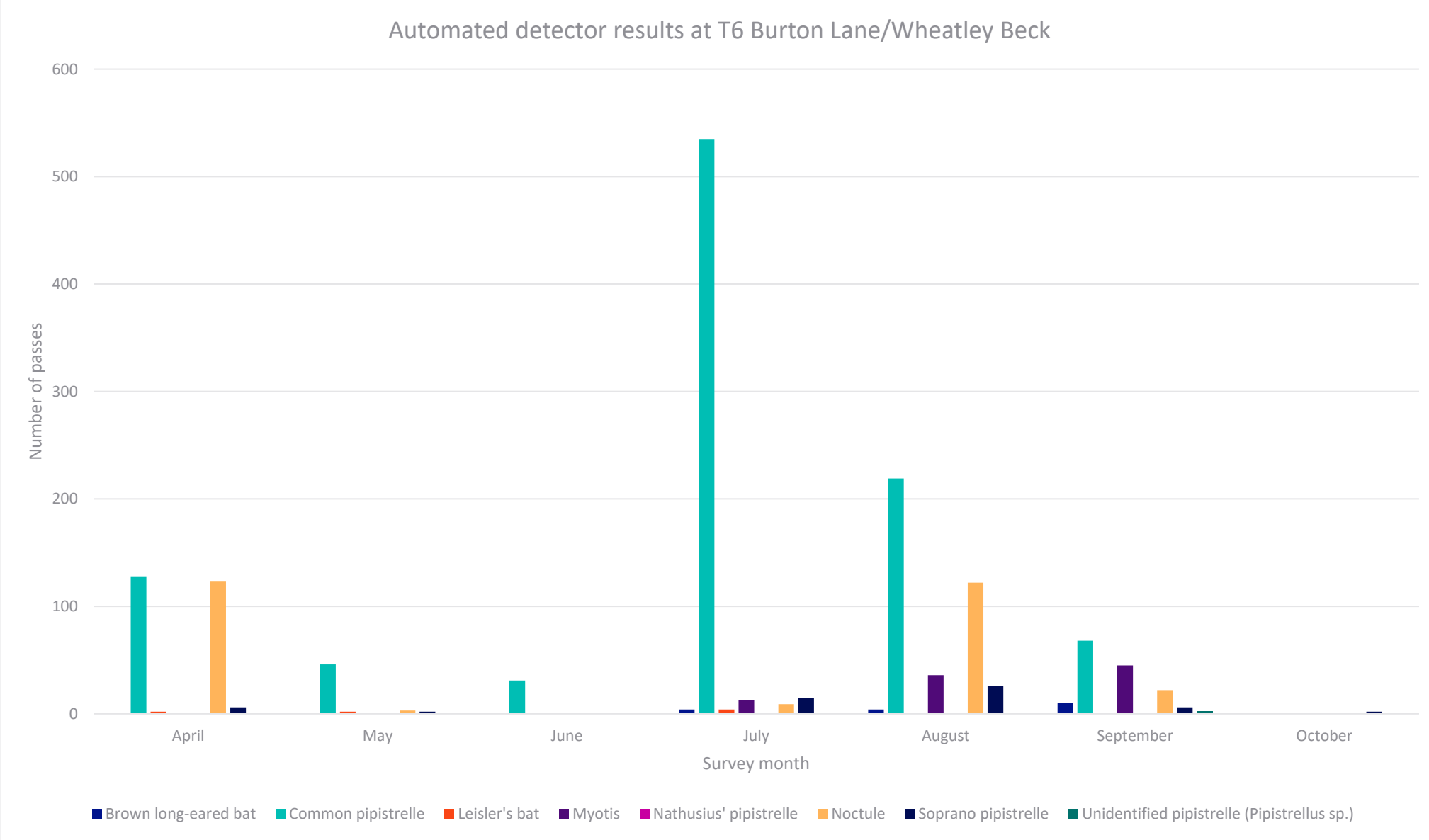
4.2.119 Overall, bat activity at NWB6 was lower than that recorded at most other woodland and arable locations, including NBW1W and VP2, and was broadly comparable to NBW1E and NBW2. Activity at this location was lower than that recorded at arable and watercourse locations, including NBW3, NBW4 and VP3, and was lower than that recorded at arable-only locations, including VP4 and VP6

4.2.120 Results for this location are summarised in Table 4.21 and illustrated in Graph 4.7.

Table 4.21 – Summary of automated static bat detector survey results at High Marnham (NBW6)

Survey month	Brown long-eared bat	Common pipistrelle	Leisler's bat	Myotis	Noctule	Soprano pipistrelle	Unidentified pipistrelle (50kHz)	Total bat passes (all nights)	Mean passes per night (5-night standard)	BAI (passes/ hr)	Bat activity level
April 2025	0	128	2	0	123	6	0	259	51.8	4.71	Low to Moderate
May 2025	0	46	2	0	3	2	0	53	10.6	1.06	Low
June 2025	0	31	0	0	0	0	0	31	6.2	0.89	Low
July 2025	4	535	4	13	9	15	0	580	116	14.5	Moderate
August 2025	4	219	0	36	122	26	0	407	81.4	9.04	Moderate
September 2025	10	68	0	45	22	6	2	153	30.6	2.78	Low to Moderate
October 2025	0	1	0	0	0	2	0	3	0.6	0.05	Low
Total	**18**	**1028**	**8**	**94**	**279**	**57**	**2**	**1486**	**N/A**	**N/A**	**N/A**

Graph 4.7 – Automated static bat detector survey results at High Marnham (NBW6)



Rowley Road (VP1)

4.2.121 A total of 4,661 bat passes was recorded across all survey months at VP1 Rowley Road. Five bat species were recorded across the survey period, comprising common pipistrelle, noctule bat, soprano pipistrelle, Myotis bats, and brown long-eared bat. Bat activity ranged from Low to High, with the highest activity recorded during mid-Summer (July to August) and markedly lower activity recorded during early Autumn (September to October).

4.2.122 In July, a total of 2,227 bat passes was recorded, corresponding to High activity. The most frequently recorded species was common pipistrelle with 1,988 passes, while the least frequently recorded species (of those recorded) was soprano pipistrelle with 239 passes. Common pipistrelle was recorded at High activity, while soprano pipistrelle was recorded at Moderate activity under warm, largely dry mid-Summer conditions.

4.2.123 In August, a total of 2,298 bat passes was recorded, corresponding to High activity. The most frequently recorded species was common pipistrelle with 2,253 passes, while the least frequently recorded species (of those recorded) was noctule with one pass. Myotis bats (five passes) and soprano pipistrelle (39 passes) were recorded at Low activity.

4.2.124 In September, a total of 99 bat passes was recorded, corresponding to Low to Moderate activity. The most frequently recorded species was common pipistrelle with 72 passes, while the least frequently recorded species (of those recorded) was Noctule with one pass. Myotis bats (ten passes) and soprano pipistrelle (16 passes) were recorded at Low activity, reflecting a marked seasonal decline in overall bat activity.

4.2.125 In October, a total of 37 bat passes was recorded, corresponding to Low activity. The most frequently recorded species was common pipistrelle with 32 passes, while the least frequently recorded species (of those recorded) was brown long-eared bat with one pass. Myotis bats were recorded at Low activity with two passes, and soprano pipistrelle with two passes, during cooler and more unsettled conditions.

4.2.126 Survey conditions at VP1 Rowley Road were generally favourable during mid-Summer (July to August), with warm temperatures and predominantly dry weather supporting High levels of activity. A sharp decline in activity during early Autumn (September to October) coincided with cooler night-time temperatures, increased wind, and periods of rainfall.

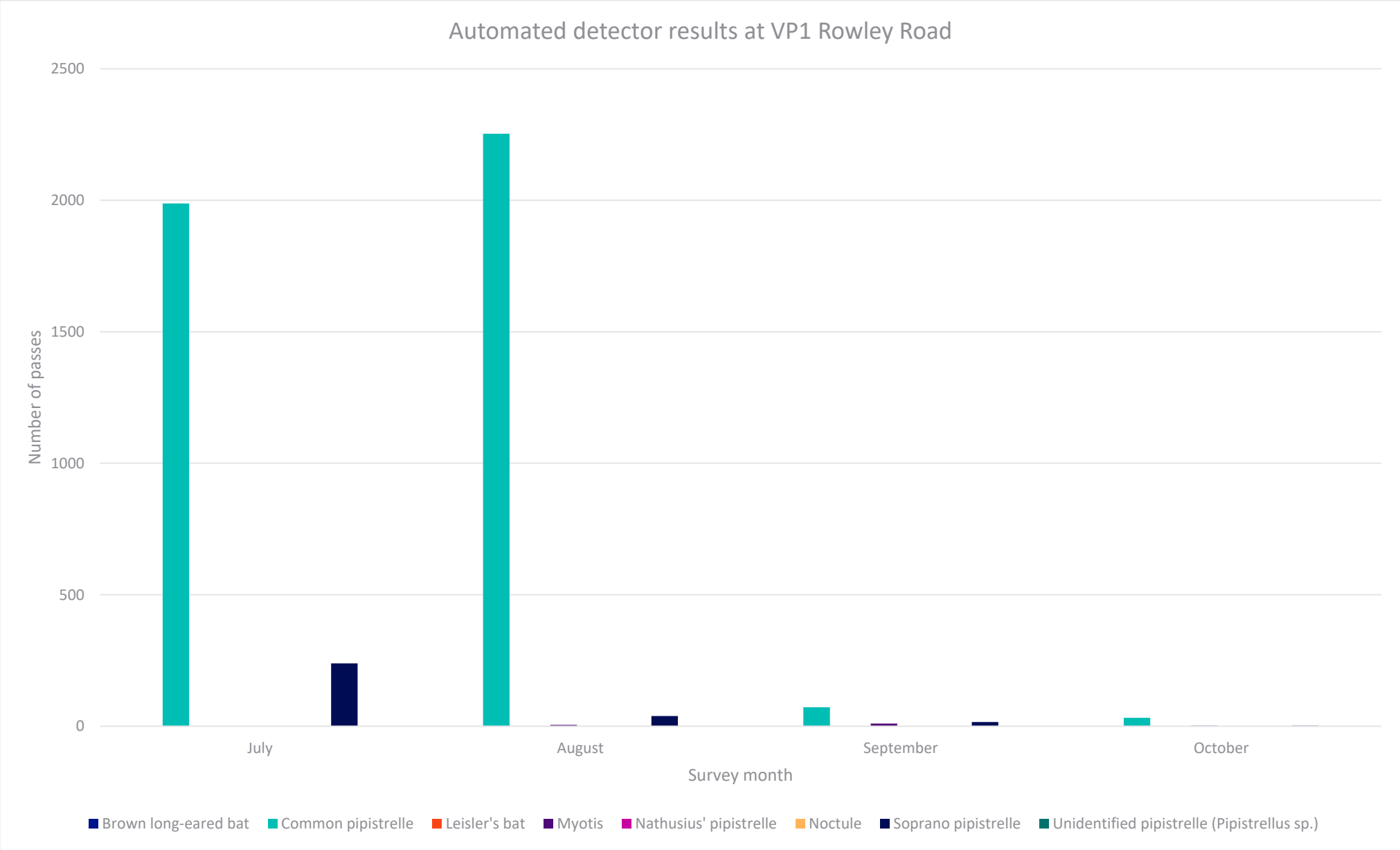
4.2.127 Overall, bat activity at VP1 Rowley Road was lower compared with other woodland and arable VP locations, although being broadly comparable VP5 during peak Summer months. Activity at this location was lower than that recorded at the most active woodland and arable locations, notably NBW1W, NBW2 and VP2 and lower than that recorded at arable and watercourse locations, including NBW3, NBW4, and VP3. Bat activity at VP1 was lower than that recorded at arable-only locations, including VP4 and VP6.

4.2.128 Results for this location are summarised in Table 4.22 and illustrated in Graph 4.8.

Table 4.22 – Summary of automated static bat detector survey results at VP1 Rowley Road

Survey month	Brown long-eared bat	Common pipistrelle	Myotis	Noctule	Soprano pipistrelle	Total bat passes (all nights)	Mean passes per night (5-night standard)	BAI (passes/hr)	Bat activity level
July 2025	0	1,988	0	0	239	2,227	445.4	55.68	High
August 2025	0	2,253	5	1	39	2,298	459.6	51.07	High
September 2025	0	72	10	1	16	99	19.8	1.8	Low to Moderate
October 2025	1	32	2	0	2	37	7.4	0.57	Low
Total	**1**	**4,345**	**17**	**2**	**296**	**4,661**	**N/A**	**N/A**	**N/A**

Graph 4.8 – Automated static bat detector survey results at VP1 Rowley Road



Ferry Road (VP2)

4.2.129 A total of 16,051 bat passes was recorded across all survey months at VP2 Ferry Road, Haxey. At least six bat species were recorded across the survey period, comprising common pipistrelle, soprano pipistrelle, Myotis bats, noctule, brown long-eared bat, Leisler's bat, and unidentified pipistrelle species. Bat activity was consistently elevated and ranged from Moderate to High, with the highest activity recorded during early and mid-Summer through early Autumn (June to September).

4.2.130 In June, a total of 4,265 bat passes was recorded, corresponding to High activity. The most frequently recorded species was common pipistrelle with 3,402 passes, while the least frequently recorded species (of those recorded) was Leisler's bat with one pass. Soprano pipistrelle was recorded at High activity with 818 passes, while Myotis bats (26 passes) and noctule (18 passes) were recorded at Low activity.

4.2.131 In July, a total of 3,483 bat passes was recorded, corresponding to High activity. The most frequently recorded species was common pipistrelle with 2,896 passes, while the least frequently recorded species (of those recorded) was noctule with 11 passes. Soprano pipistrelle was recorded at Moderate activity with 494 passes, while Myotis bats (82 passes) were recorded at Low to Moderate activity.

4.2.132 In August, a total of 2,586 bat passes was recorded, corresponding to High activity. The most frequently recorded species was common pipistrelle with 1,932 passes, while the least frequently recorded species (of those recorded) was Leisler's bat with two passes. Soprano pipistrelle was recorded at Moderate activity with 531 passes, while Myotis bats (67 passes) and noctule (31 passes) were recorded at Low activity. Brown long-eared bat was also recorded at Low activity with 23 passes.

4.2.133 In September, a total of 5,246 bat passes was recorded, corresponding to High activity. The most frequently recorded species was common pipistrelle with 3,188 passes, while the least frequently recorded species (of those recorded) were brown long-eared bat, Leisler's bat, and unidentified pipistrelle species, each recorded with two passes. Soprano pipistrelle was recorded at High activity with 1,387 passes, while Myotis bats were recorded at Moderate-High activity with 634 passes. Noctule was recorded at Low activity with 31 passes.

4.2.134 In October, a total of 471 bat passes was recorded, corresponding to Moderate activity. The most frequently recorded species was common pipistrelle with 273 passes, while the least frequently recorded species (of those recorded) was noctule with two passes. Soprano pipistrelle (134 passes) and Myotis bats (54 passes) were recorded at Low to Moderate activity, while brown long-eared bat was recorded at Low activity with eight passes.

4.2.135 Survey conditions at VP2 were generally favourable for bat activity during early and mid-Summer (June to August), with warm temperatures and predominantly dry weather. High activity persisted into early Autumn (September) despite some cooler conditions and isolated rainfall, before declining during October as temperatures fell and wetter conditions became more frequent.

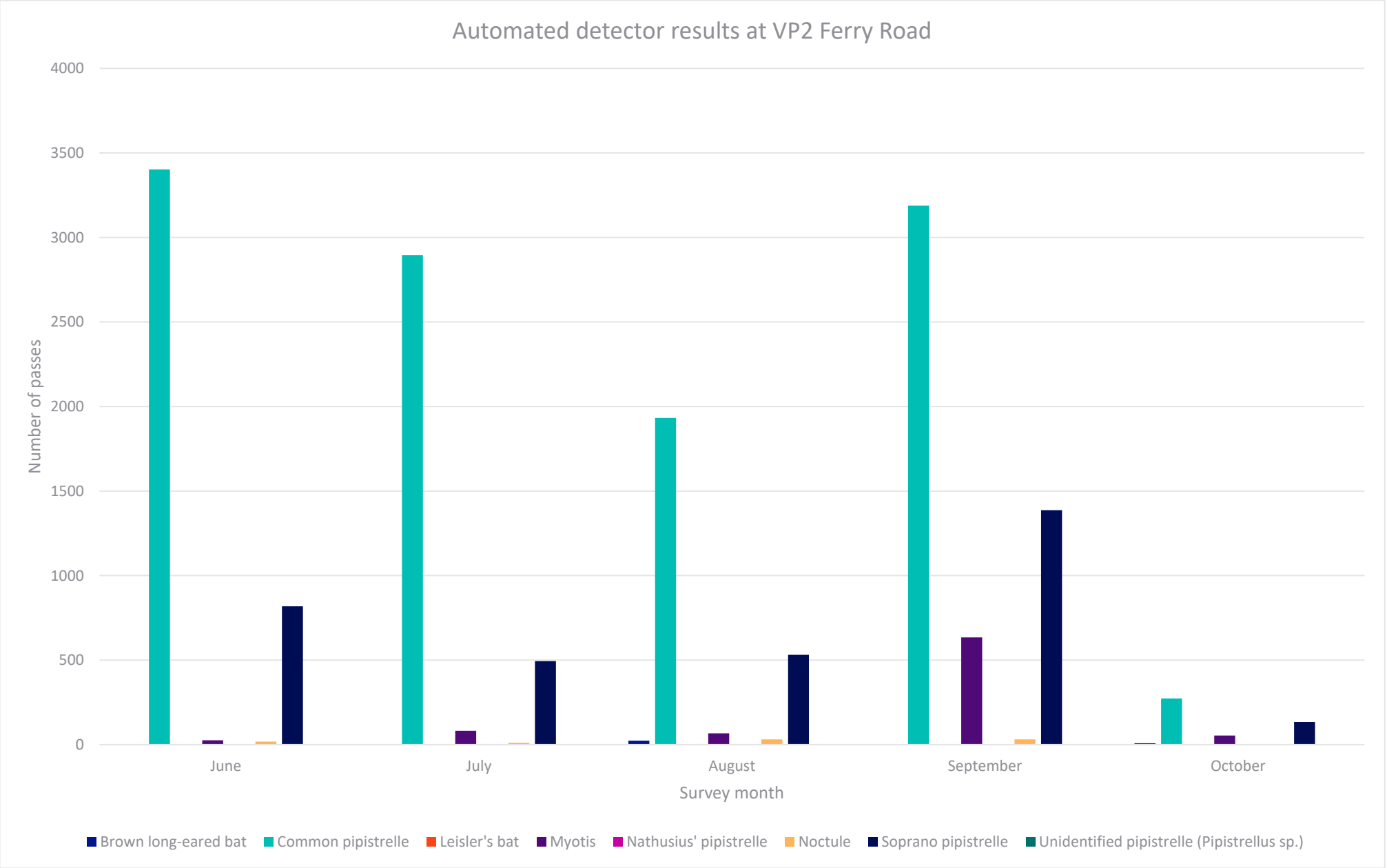
4.2.136 Overall, bat activity at VP2 was the highest recorded within all other automated static detector locations although was broadly comparable to NBW1W.

4.2.137 Results for this location are summarised in Table 4.23 and illustrated in Graph 4.9.

Table 4.23 – Summary of automated detector survey results at VP2 Ferry Road

Survey month	Brown long-eared bat	Common pipistrelle	Leisler's bat	Myotis spp.,	Noctule	Soprano pipistrelle	Unidentified pipistrelle (50 kHz)	Total bat passes (all nights)	Mean passes per night (5-night standard)	BAI (passes/ hr)	Bat activity level
June 2025	0	3,402	1	26	18	818	0	4,265	853	121.86	High
July 2025	0	2,896	0	82	11	494	0	3,483	696.6	87.08	High
August 2025	23	1,932	2	67	31	531	0	2,586	517.2	57.47	High
September 2025	2	3,188	2	634	31	1,387	2	5,246	1,049.2	95.38	High
October 2025	8	273	0	54	2	134	0	471	94.2	7.25	Moderate
Total	**33**	**11,691**	**5**	**863**	**93**	**3,364**	**2**	**16,051**	**N/A**	**N/A**	**N/A**

Graph 4.9 – Automated detector survey results at VP2 Ferry Road



Chesterfield Canal (VP3)

4.2.138 A total of 6,716 bat passes was recorded across all survey months at VP3. At least seven bat species were recorded across the survey period, comprising common pipistrelle, soprano pipistrelle, Nathusius' pipistrelle, Myotis bats, noctule bat, brown long-eared bat, Leisler's bat, and unidentified pipistrelle species. Bat activity ranged from Low-Moderate to High, with the highest activity recorded during April and August.

4.2.139 In April, a total of 1,258 bat passes was recorded, corresponding to Moderate to High activity. The most frequently recorded species was common pipistrelle with 1,157 passes, while the least frequently recorded species (of those recorded) were brown long-eared bat and unidentified pipistrelle, each recorded with one pass. Soprano pipistrelle was recorded at Low to Moderate activity with 88 passes, while Myotis bats (four passes) and noctule bat (seven passes) were recorded at Low activity.

4.2.140 In May, a total of 146 bat passes was recorded, corresponding to Low to Moderate activity. The most frequently recorded species was common pipistrelle with 77 passes, while the least frequently recorded species (of those recorded) was noctule with two passes and Myotis bats with seven passes. Soprano pipistrelle was also recorded at Low activity with 60 passes.

4.2.141 In June, a total of 724 bat passes was recorded, corresponding to Moderate activity. The most frequently recorded species was soprano pipistrelle with 411 passes, while the least frequently recorded species (of those recorded) was Leisler's bat with two passes. Common pipistrelle was recorded at Moderate activity with 285 passes, while Myotis bats (14 passes) and noctule (12 passes) were recorded at Low activity.

4.2.142 In July, a total of 591 bat passes was recorded, corresponding to Moderate activity. The most frequently recorded species was common pipistrelle with 424 passes, while the least frequently recorded species (of those recorded) was unidentified pipistrelle and Nathusius' pipistrelle each with one pass. Leisler's bat was recorded at Low activity with nine passes, Myotis bats with 17 passes, noctule with ten passes, and soprano pipistrelle with 129 passes during mid-Summer (July to August).

4.2.143 In August, a total of 3,061 bat passes was recorded, corresponding to High activity. The most frequently recorded species was common pipistrelle with 1,928 passes, while the least frequently recorded species (of those recorded) was unidentified pipistrelle with one pass. Soprano pipistrelle was recorded at Moderate-High activity with 700 passes, while Myotis bats (404 passes) were recorded at Moderate activity. Noctule (12 passes), Leisler's bat (eight passes), and brown long-eared bat (eight passes) were recorded at Low activity.

4.2.144 In September, a total of 469 bat passes was recorded, corresponding to Moderate activity. The most frequently recorded species was common pipistrelle with 344 passes, while the least frequently recorded species (of those recorded) were Leisler's bat and unidentified pipistrelles each with one pass. Myotis bats and soprano pipistrelle were recorded at Low to Moderate activity with 41 and 60 passes respectively. Low activity was recorded of noctule with 20 passes and brown long-eared with two passes during September.

4.2.145 In October, a total of 467 bat passes was recorded, corresponding to Moderate activity. The most frequently recorded species was common pipistrelle with 422 passes, while the least frequently recorded species (of those recorded) was Leisler's bat with three passes. Myotis bats (12 passes), noctule (eight passes), and soprano pipistrelle (22 passes) were recorded at Low activity.

4.2.146 Survey conditions at VP3 were generally favourable during mid to late Summer (July to August), with warm temperatures and predominantly dry conditions supporting High activity levels. Reduced activity during Spring (April to May) and early Autumn (September to October) coincided with cooler night-time temperatures, increased wind, and periods of rainfall.

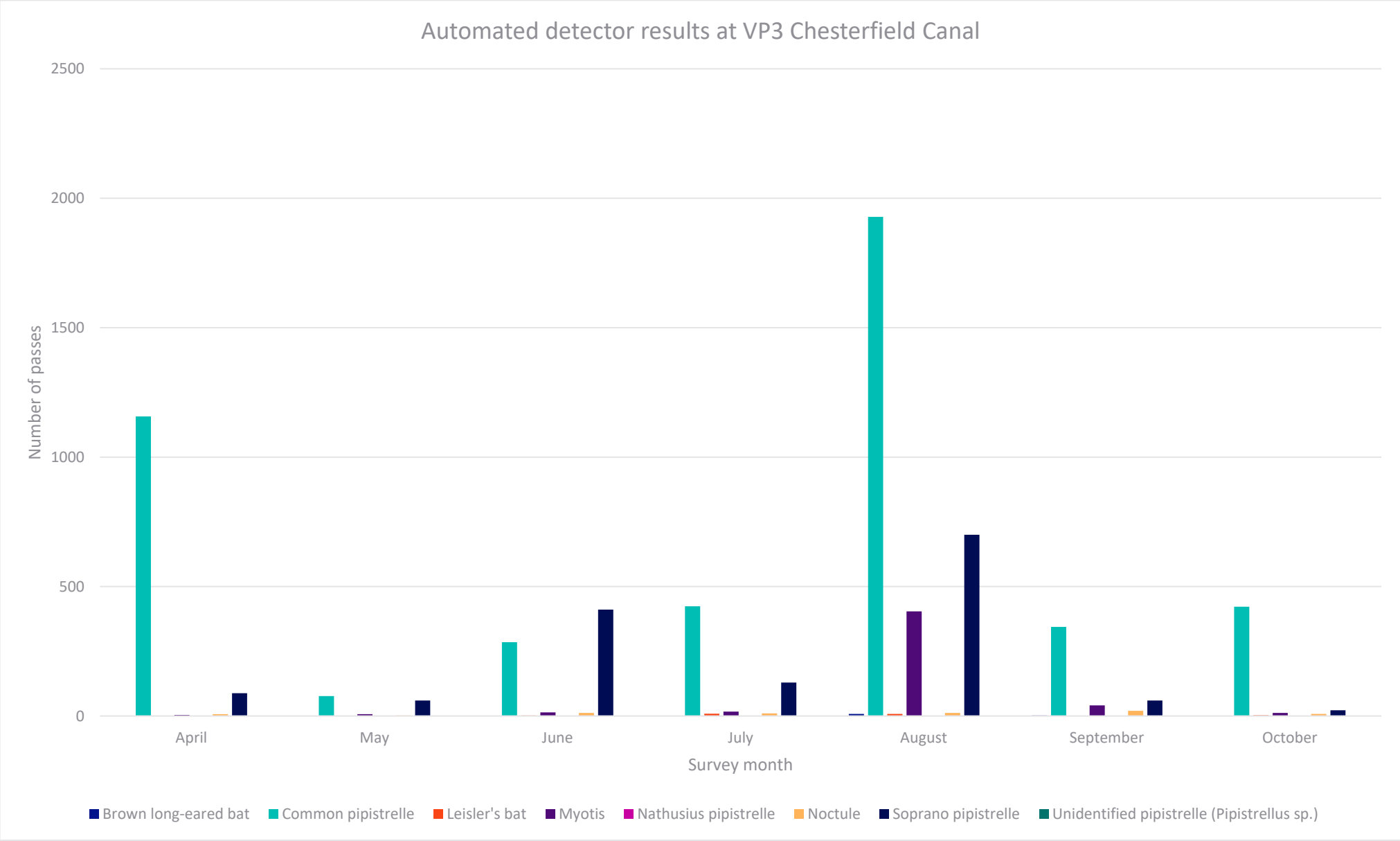
4.2.147 Overall, bat activity at VP3 was lower than other arable and watercourse locations. Activity at VP3 was generally higher than that recorded at most woodland and arable locations but was lower than that at NBW1W and VP2. Bat activity at this location was lower than that recorded at arable-only location VP4 but higher than that at VP6.

4.2.148 Results for this location are summarised in Table 4.24 and illustrated in Graph 4.10.

Table 4.24 – Summary of automated static bat detector survey results at VP3 Chesterfield Canal

Survey month	Brown long-eared bat	Common pipistrelle	Leisler's bat	Myotis spp.	Nathusius' pipistrelle	Noctule	Soprano pipistrelle	Unidentified pipistrelle (50 kHz)	Total bat passes (all nights)	Mean passes per night (5-night standard)	BAI (passes/ hr)	Bat activity level
April 2025	1	1157	0	4	0	7	88	1	1258	251.6	22.87	Moderate to High
May 2025	0	77	0	7	0	2	60	0	146	29.2	2.92	Low to Moderate
June 2025	0	285	2	14	0	12	411	0	724	144.8	20.69	Moderate
July 2025	0	424	9	17	1	10	129	1	591	118.2	14.78	Moderate
August 2025	8	1,928	8	404	0	12	700	1	3061	612.2	68.02	High
September 2025	2	344	1	41	0	20	60	1	469	93.8	8.53	Moderate
October 2025	0	422	3	12	0	8	22	0	467	93.4	7.18	Moderate
Total	**11**	**4,637**	**23**	**499**	**1**	**71**	**1470**	**4**	**6716**	**N/A**	**N/A**	**N/A**

Graph 4.10 – Automated static bat detector survey results at VP3 Chesterfield Canal



Hollowgate Road (VP4)

4.2.149 A total of 9,598 bat passes was recorded across all survey months at VP4. At least five bat species were recorded across the survey period, comprising common pipistrelle, soprano pipistrelle, unidentified pipistrelle species, Myotis bats, noctule bat, and Leisler's bat. Bat activity ranged from Low-Moderate to High, with the highest activity recorded during mid to late Summer (July to September) and lower activity recorded during Spring and early Autumn (April to May and October).

4.2.150 In April, a total of 293 bat passes was recorded, corresponding to Low to Moderate activity. The most frequently recorded species was common pipistrelle with 266 passes, while the least frequently recorded species (of those recorded) was noctule with five passes. Myotis bats were recorded at Low activity with 14 passes, and soprano pipistrelle at Low activity with eight passes.

4.2.151 In May, a total of 1,095 bat passes was recorded, corresponding to Moderate to High activity. The most frequently recorded species was common pipistrelle with 994 passes, while the least frequently recorded species (of those recorded) being unidentified pipistrelle (one pass) and noctule with two passes. Myotis and Leisler's bats were recorded at Moderate activity with 46 and 45 passes respectively, and soprano pipistrelle at Low activity with seven passes. Elevated activity during this month coincided with improving temperatures during May.

4.2.152 In June, a total of 1,816 bat passes was recorded, corresponding to Moderate to High activity. The most frequently recorded species was common pipistrelle with 1,733 passes, while the least frequently recorded species (of those recorded) was noctule with four passes. Myotis bats were recorded at Low to Moderate activity with 19 passes, Leisler's bat at 45 passes and soprano pipistrelle at Low activity with 15 passes.

4.2.153 In July, a total of 1,157 bat passes was recorded, corresponding to Moderate to High activity. The most frequently recorded species was common pipistrelle with 747 passes, while the least frequently recorded species (of those recorded) was Leisler's bat with seven passes. Myotis bats were recorded at Moderate activity with 108 passes, soprano pipistrelle at Moderate activity with 279 passes, and noctule at Low activity with 16 passes during mid-Summer (July to August).

4.2.154 In August, a total of 970 bat passes was recorded, corresponding to Moderate to High activity. The most frequently recorded species was common pipistrelle with 911 passes, while the least frequently recorded species (of those recorded) was Leisler's bat (five passes) and soprano pipistrelle with eight passes. Myotis bats were recorded at Low activity with 22 passes, and noctule at Low activity with 24 passes.

4.2.155 In September, a total of 3,568 bat passes was recorded, corresponding to High activity. The most frequently recorded species was common pipistrelle with 3,332 passes, while the least frequently recorded species (of those recorded) was Noctule with 15 passes. Leisler's bat was recorded with Moderate activity with 130 passes. Myotis bats were recorded at Low to Moderate activity with 41 passes, with soprano pipistrelle at Low activity with 50 passes during early September.

4.2.156 In October, a total of 699 bat passes was recorded, corresponding to Moderate activity. The most frequently recorded species was common pipistrelle with 666 passes, while the least frequently recorded species (of those recorded) was soprano pipistrelle recorded at Low activity with 16 passes. Myotis bats were also recorded with Low activity with 17 passes.

4.2.157 Survey conditions at VP4 were variable, with cooler temperatures and occasional rainfall during Spring (April to May), warm and generally dry conditions during Summer (June to August), and cooler, more unsettled conditions during early Autumn (September to October).

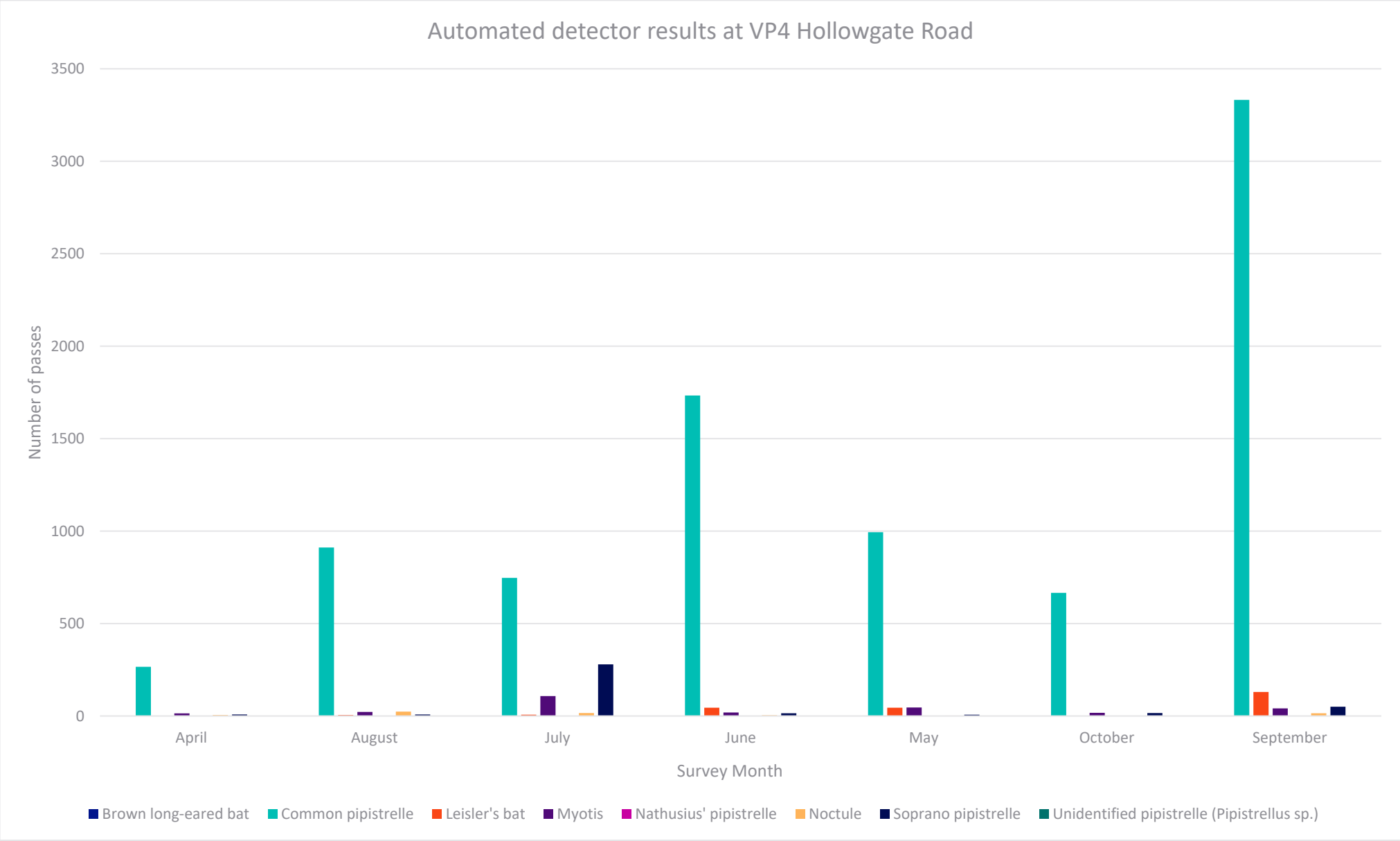
4.2.158 Overall, bat activity at VP4 was higher than that recorded at the other arable-only location VP6, particularly during mid to late Summer (July to September). However, activity at VP4 was lower than that recorded at woodland and arable locations, including NBW1W, and VP2. Activity was lower than that recorded at arable and watercourse locations, including NBW3, and NBW4 but higher than that at VP3. Despite this, VP4 supported notable levels of bat activity relative to its arable-only habitat context.

4.2.159 Results for this location are summarised in Table 4.25 and illustrated in Graph 4.11.

Table 4.25 – Summary of automated static bat detector survey results at VP4 Hollowgate Road

Survey month	Common pipistrelle	Leisler's bat	Myotis spp.	Noctule	Soprano pipistrelle	Unidentified pipistrelle (50kHz)	Total bat passes (all nights)	Mean passes per night (5-night standard)	BAI (passes/hr)	Bat activity level
April 2025	266	0	14	5	8	0	293	58.6	5.33	Low to Moderate
May 2025	994	45	46	2	7	1	1,095	219	21.9	Moderate to High
June 2025	1,733	45	19	4	15	0	1,816	363.2	51.89	Moderate to High
July 2025	747	7	108	16	279	0	1,157	231.4	28.92	Moderate to High
August 2025	911	5	22	24	8	0	970	194	21.56	Moderate to High
September 2025	3,332	130	41	15	50	0	3,568	713.6	64.87	High
October 2025	666	0	17	0	16	0	699	139.8	10.75	Moderate
Total	**8,649**	**232**	**267**	**66**	**383**	**1**	**9,598**	**N/A**	**N/A**	**N/A**

Graph 4.11 – Automated detector survey results at VP4 Hollowgate Road



Forewood Lane (VP5)

4.2.160 A total of 4,999 bat passes was recorded across all survey months at VP5. At least six bat species were recorded across the survey period, comprising common pipistrelle, soprano pipistrelle, Myotis bats, noctule bat, Leisler's bat, brown long-eared bat, and unidentified pipistrelle species. Bat activity ranged from Low to Moderate/High, with the highest activity recorded during mid to late Summer and early Autumn (July to September) and lower activity recorded during Spring and late Autumn (April to May, and October).

4.2.161 In April, a total of 462 bat passes was recorded, corresponding to Moderate activity. The most frequently recorded species was common pipistrelle with 290 passes, while the least frequently recorded species (of those recorded) was Leisler's bat with one pass. Myotis bats were recorded at Low to Moderate activity with 91 passes, soprano pipistrelle at Low activity with 65 passes, noctule at Low activity with 13 passes, and unidentified pipistrelle species at Low activity with two passes.

4.2.162 In May, a total of 375 bat passes was recorded, corresponding to Low to Moderate activity. The most frequently recorded species was common pipistrelle with 303 passes, while the least frequently recorded species (of those recorded) was Leisler's bat with two passes. Noctule was recorded at Low activity with four passes, while Myotis bats (28 passes) and soprano pipistrelle (38 passes) were recorded at Low activity.

4.2.163 In June, a total of 631 bat passes was recorded, corresponding to Moderate activity. The most frequently recorded species was common pipistrelle with 523 passes, while the least frequently recorded species (of those recorded) was Leisler's bat with 11 passes. Soprano pipistrelle was recorded at Low activity with 54 passes, Myotis bats at Low to Moderate activity with 26 passes, and noctule at Low activity with 17 passes.

4.2.164 In July, a total of 1,202 bat passes was recorded, corresponding to Moderate to High activity. The most frequently recorded species was common pipistrelle with 785 passes, while the least frequently recorded species (of those recorded) was Leisler's bat with seven passes. Noctule was recorded at Low activity with 16 passes, while Myotis bats were recorded at Low to Moderate activity with 111 passes, and soprano pipistrelle at Moderate activity with 283 passes.

4.2.165 In August, a total of 1,439 bat passes was recorded, corresponding to Moderate to High activity. The most frequently recorded species was common pipistrelle with 1,029 passes, while the least frequently recorded species (of those recorded) was Leisler's bat with three passes. Soprano pipistrelle was recorded at Moderate activity with 250 passes, Myotis bats at Low to Moderate activity with 126 passes, and noctule at Low activity with 23 passes. Brown long-eared bat (four passes) and unidentified pipistrelle species (four passes) were both recorded at Low activity.

4.2.166 In September, a total of 843 bat passes was recorded, corresponding to Moderate activity. The most frequently recorded species was soprano pipistrelle with 420 passes, while the least frequently recorded species (of those recorded) was brown long-eared bat with three passes. Common pipistrelle was recorded at Low to Moderate activity with 292 passes, Myotis bats at Low activity with 80 passes, Leisler's bat at Low to Moderate activity with 31 passes, and noctule at Low activity with 17 passes during September.

4.2.167 In October, a total of 47 bat passes was recorded, corresponding to Low activity. The most frequently recorded species was soprano pipistrelle with 28 passes, while the least frequently recorded species (of those recorded) was common pipistrelle with five passes. Myotis bats were recorded at Low activity with 14 passes.

4.2.168 Survey conditions at VP5 were generally favourable during Summer (June to August), with predominantly dry conditions and warm temperatures, supporting elevated activity during mid-Summer (July to August). Conditions became cooler and more unsettled into early Autumn (September to October), coinciding with reduced activity, particularly during October.

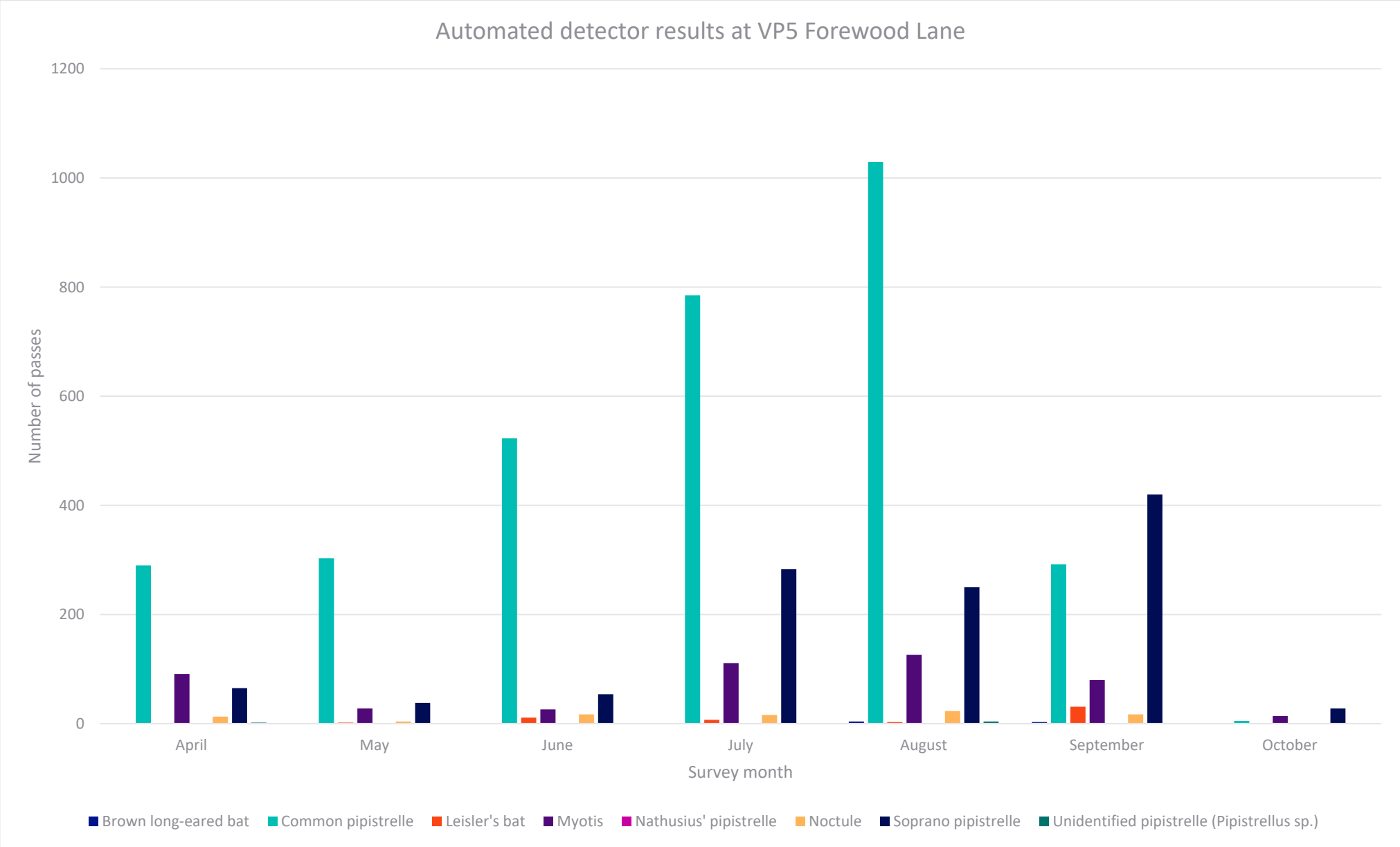
4.2.169 Overall, bat activity at VP5 was higher than that recorded at VP1, NBW2, NBW6 and NBW1E. Activity at this location was lower than that recorded at all other active woodland and arable locations, and was lower than that recorded at all arable and watercourse locations. Bat activity at VP5 was lower than that recorded at arable-only locations.

4.2.170 Results for this location are summarised in Table 4.26 and illustrated in Graph 4.12.

Table 4.26 – Summary of automated static bat detector survey results at VP5 Forewood Lane

Survey month	Brown long-eared bat	Common pipistrelle	Leisler's bat	Myotis spp.	Noctule	Soprano pipistrelle	Unidentified pipistrelle (50kHz)	Total bat passes (all nights)	Mean passes per night (5-night standard)	BAI (passes/hr)	Bat activity level
April 2025	0	290	1	91	13	65	2	462	92.4	8.4	Moderate
May 2025	0	303	2	28	4	38	0	375	75	7.5	Low to Moderate
June 2025	0	523	11	26	17	54	0	631	126.2	18.03	Moderate
July 2025	0	785	7	111	16	283	0	1,202	240.4	30.05	Moderate to High
August 2025	4	1,029	3	126	23	250	4	1,439	287.8	31.98	Moderate to High
September 2025	3	292	31	80	17	420	0	843	168.6	15.33	Moderate
October 2025	0	5	0	14	0	28	0	47	9.4	0.72	Low
Total	**7**	**3,227**	**55**	**476**	**90**	**1138**	**6**	**4,999**	**N/A**	**N/A**	**N/A**

Graph 4.12 – Automated static bat detector survey results at VP5 Forewood Lane



Hazelwood Road (VP6)

4.2.171 A total of 5,097 bat passes was recorded across all survey months at VP6. However, automated static bat detectors experienced repeated recording issues thought to be affected by external unknown influences in the wider area. Limited data were obtained during May and June, where detectors failed after one night of recording, and automated static bat detectors were not deployed during September and October as a result of these ongoing technical issues. Despite this, at least six bat species were recorded across the survey period, comprising common pipistrelle, soprano pipistrelle, Leisler's bat, noctule bat, and Myotis bats, together with Nathusius' pipistrelle (recorded in Low numbers). Bat activity was consistently High during the survey period, which took place in mid to late Summer (July to August).

4.2.172 In July, a total of 2,553 bat passes was recorded, corresponding to High activity. The most frequently recorded species was common pipistrelle with 1,579 passes, while the least frequently recorded species (of those recorded) was Nathusius' pipistrelle with one pass. Leisler's bat was recorded at High activity with 578 passes, soprano pipistrelle at Moderate activity with 281 passes, and Myotis bats (51 passes) and noctule (63 passes) at Low to Moderate activity.

4.2.173 In August, a total of 2,544 bat passes was recorded, corresponding to High activity. The most frequently recorded species was common pipistrelle with 1,083 passes, while the least frequently recorded species (of those recorded) was Noctule with 40 passes. Leisler's bat was recorded at High activity with 722 passes, soprano pipistrelle at High activity with 657 passes, and Myotis bats with 42 passes at Low to Moderate activity.

4.2.174 Survey conditions at VP6 Hazelwood Road were generally favourable across the survey period, with warm temperatures and predominantly dry conditions during late July and early August (July to August), which coincided with consistently High levels of recorded bat activity.

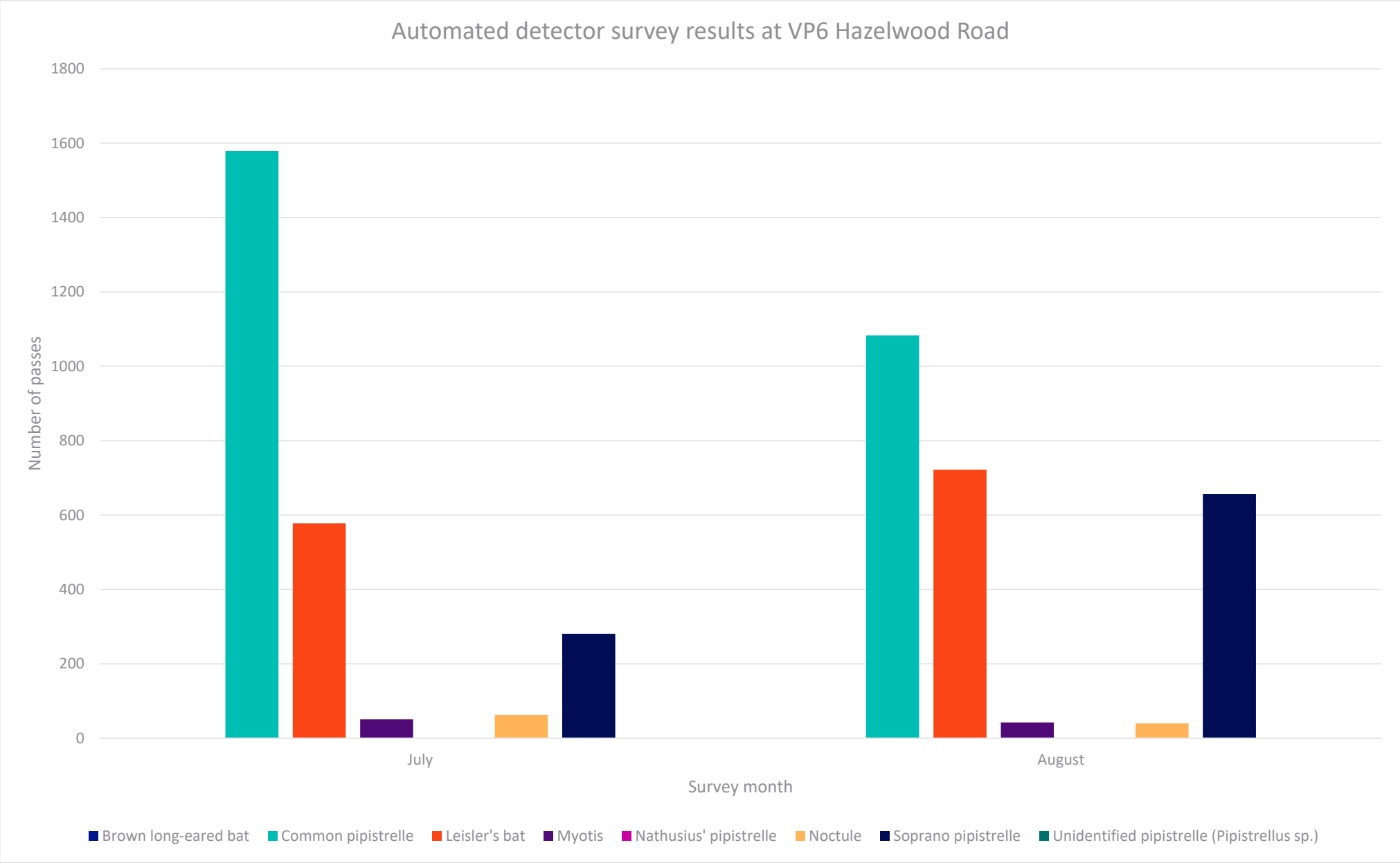
4.2.175 Overall, bat activity at VP6 was higher than that recorded at the other arable-only location, VP4 during peak Summer. However, activity at VP6 remained lower than that recorded at the most active woodland and arable locations and was also lower than activity recorded at arable and watercourse locations. Despite this, VP6 supported notable bat activity for an arable-only setting, particularly due to the High contribution from Leisler's bat alongside very High levels of common pipistrelle activity for only two months of survey period.

4.2.176 Results for this location are summarised in Table 4.27 and illustrated in Graph 4.13.

Table 4.27 – Summary of automated static bat detector survey results at VP6 Hazelwood Road

Survey month	Common pipistrelle	Leisler's bat	Myotis spp.	Nathusius' pipistrelle	Noctule	Soprano pipistrelle	Total bat passes (all nights)	Mean passes per night (5-night standard)	BAI (passes/hr)	Bat activity level
July 2025	1,579	578	51	1	63	281	2,553	510.6	63.82	High
August 2025	1,083	722	42	0	40	657	2,544	508.8	56.53	High
Total	**2,662**	**1300**	**93**	**1**	**103**	**938**	**5,097**	**N/A**	**N/A**	**N/A**

Graph 4.13 – Automated static bat detector survey results at VP6 Hazelwood Road



Vantage Point Surveys

4.2.177 Vantage Point surveys were carried out at six locations (VP1 to VP6) during May, July and September 2025. Surveys were carried out in suitable weather conditions and recorded all bat activity observed within the defined survey area as shown on **Figure A8.8.2 Bat Activity Vantage Point Locations** in Annex A. For each observation, species, number of passes, and, where available, behaviour, flight direction, and flight height were recorded.

4.2.178 Across all six VPs, a combined total of 1,508 bat passes were recorded. Activity was dominated by common pipistrelle, which was recorded at all survey locations and during most survey periods. Additional species recorded across the survey area comprised soprano pipistrelle, Nathusius' pipistrelle, noctule bat, Leisler's bat, brown long-eared bat, Myotis spp., and unidentified pipistrelle species (where common pipistrelle and soprano pipistrelle could not be confidently assigned but do not represent a different species).

4.2.179 Activity levels varied between vantage points and survey months. In general, the highest levels of activity were recorded during May and September, with lower levels recorded during July at some locations. VP4 supported the greatest overall activity (427 passes), while VP6 supported the lowest (67 passes). Seasonal variation was evident, with several locations recording markedly reduced activity during July or September surveys.

4.2.180 Behavioural observations, flight direction and flight height were recorded for a proportion of passes at each location. Where recorded, behaviour most frequently comprised commuting and foraging. Flight heights varied between low-level heights (c. 0.5 to 5 m) and higher-altitude movements (notably noctule recorded at heights exceeding 15 m). Directional observations indicated both directional movements and non-directional activity, depending on location and species, but generally coincided with commuting along linear features such as hedgerows and woodland edges and foraging around woodlands and trees.

Vantage Point 1

4.2.181 A total of 400 bat passes were recorded at VP1, comprising at least six species: common pipistrelle, soprano pipistrelle, Nathusius' pipistrelle, noctule, brown long-eared bat, and Myotis spp. Bat activity was recorded during May, July and September, with the highest level of activity recorded in May (264 passes), a lower level in July (134 passes), and the lowest level in September (two passes). Activity was dominated by common pipistrelle throughout the survey period.

4.2.182 In May, 264 bat passes were recorded. Common pipistrelle accounted for 260 passes. Behaviour was recorded for 41 common pipistrelle passes, including commuting, foraging, circling, and flying through vegetation. Flight direction was also recorded for 17 common pipistrelle passes, with movements noted northwest to southeast and north to south. Flight height was recorded for 15 common pipistrelle passes, with bats noted flying at approximately 4 to 10 m.

4.2.183 The remaining passes in May comprised soprano pipistrelle (two passes), Nathusius' pipistrelle (one pass), and Myotis spp. (one pass). No behaviour, flight direction, or flight height was recorded for these species during this survey.

4.2.184 In July, 134 bat passes were recorded, of which common pipistrelle accounted for 126 passes. Behaviour was recorded for six common pipistrelle passes, including commuting and foraging. Flight height was recorded for five common pipistrelle passes, with heights ranging between approximately 4 to 10 m. No flight direction was recorded for any common pipistrelle passes during this survey.

4.2.185 The remaining passes comprised brown long-eared bat (four passes), noctule (two passes), and soprano pipistrelle (two passes). No behaviour, flight direction or flight height was recorded for these species.

4.2.186 In September, two bat passes were recorded, comprising common pipistrelle (one pass) and soprano pipistrelle (one pass). No behaviour, flight direction, or flight height was recorded for either pass.

4.2.187 Weather conditions during surveys at VP1 were consistently suitable for bat activity. Surveys were undertaken in dry conditions with mild to warm temperatures, light or still winds, and limited cloud cover. No surveys were affected by adverse weather conditions that would be expected to constrain bat activity. Weather conditions and survey results are available in Table 4.28 and Table 4.29.

Table 4.28 – VP1 survey timings and weather summary

Date	Start/end time	Weather conditions
06 May 2025	Start Time: 20:42 End Time: 22:12 Sunset: 20:42	12-9°C, few clouds, still, dry
01 July 2025	Start Time: 21:34 End Time: 23:06 Sunset: 21:34	15°C, few/scattered clouds, still, dry
02 September 2025	Start time: 19:30 End time: 21:05 Sunset: 19:30	15°C; few/scattered clouds, light breeze, Moderate rain

Table 4.29 – Number of bat passes during VP1

Survey month	Brown long-eared bat	Common pipistrelle	Myotis spp.	Nathusius' pipistrelle	Noctule	Soprano pipistrelle	Total
May 2025	0	260	1	1	0	2	264
July 2025	4	126	0	0	2	2	134
September 2025	0	1	0	0	0	1	2
Total	4	387	1	1	2	5	400
Bat Activity Score							High

Vantage Point 2

4.2.188 A total of 333 bat passes were recorded at VP2, comprising at least six species: common pipistrelle, soprano pipistrelle, noctule, Leisler's bat, brown long-eared bat, Myotis spp., and unidentified pipistrelle species. Bat activity was recorded during May, July and September, with the highest level of activity recorded in July (167 passes), followed by September (155 passes), and the lowest level of activity recorded in May (11 passes). Activity was dominated by common pipistrelle throughout the survey period.

4.2.189 In May, 11 bat passes were recorded, comprising common pipistrelle (six passes) and noctule (five passes). No behavioural activity was recorded for any species during this survey. No flight direction or flight height was recorded.

4.2.190 In July, 167 bat passes were recorded. Common pipistrelle accounted for 160 passes. Behaviour was recorded for a small number of common pipistrelle passes and included commuting, foraging, and circling. Flight direction was recorded for eight common pipistrelle passes, with movements noted west to east, east to west, and east to south. Flight height was recorded for six common pipistrelle passes, with heights noted at approximately 6 to 10 m.

4.2.191 The remaining passes comprised soprano pipistrelle (five passes), Leisler's bat (one pass) and Myotis bats (one pass). No behaviour, flight direction, or flight height was recorded for these species during this survey.

4.2.192 In September, 155 bat passes were recorded, of which common pipistrelle accounted for 124 passes. Behaviour was recorded for a small number of common pipistrelle passes and included commuting and foraging. Flight direction was recorded for 18 common pipistrelle passes, with movements noted west to east, east to west, northeast to southwest, and southwest to south. Flight height was recorded for 14 common pipistrelle passes, with heights noted at approximately 5 to 10 m.

4.2.193 The remaining passes comprised soprano pipistrelle (eight passes), unidentified pipistrelle species (eight passes), Myotis bats (seven passes), noctule (five passes), Leisler's bat (two passes), and brown long-eared bat (one pass). No behaviour, flight direction or flight height was recorded for these species during this survey.

4.2.194 Weather conditions during surveys at VP2 were suitable for bat activity. Surveys were undertaken in dry conditions with mild to warm temperatures, light or still winds, and limited cloud cover. No surveys were affected by adverse weather conditions that would be expected to constrain bat activity. Weather conditions and survey results are available in Table 4.30 and Table 4.31.

Table 4.30 – VP2 survey timings and weather summary

Date	Start/end time	Weather conditions
13 May 2025	Start Time: 20:53 End Time: 22:10 Sunset: 20:53	13 to 12°C, clear, light air, dry
08 July 2025	Start Time: 21:31 End Time: 23:00 Sunset: 21:31	17 to 15°C, few/scattered clouds, still, dry

Date	Start/end time	Weather conditions
09 September 2025	Start Time: 19:32 End Time: 21:02 Sunset: 19:32	18 to 17°C; few/scattered clouds, light air, dry

Table 4.31 – Number of bat passes during VP2

Month	Brown long-eared bat	Common pipistrelle	Leisler's bat	Myotis spp.	Noctule	Soprano pipistrelle	Unidentified pipistrelle species (50kHz)	Total
May 2025	0	6	0	0	5	0	0	11
July 2025	0	160	1	1	0	5	0	167
September 2025	1	124	2	7	5	8	8	155
Total	1	290	3	8	10	13	8	333
Bat Activity Score								High

Vantage Point 3

4.2.195 A total of 146 bat passes were recorded at VP3, comprising at least seven species: brown long-eared bat, common pipistrelle, Leisler's bat, Myotis bats, Nathusius' pipistrelle, noctule, soprano pipistrelle, and unidentified pipistrelle species. Activity was highest in May (140 passes), with substantially lower activity recorded in September (four passes) and July (two passes).

4.2.196 In May, soprano pipistrelle was the most frequently recorded species (74 passes), followed by common pipistrelle (55 passes). Additional records comprised noctule (four passes), Myotis bats (two passes), Nathusius' pipistrelle (two passes), and single passes of brown long-eared bat, Leisler's bat and unidentified pipistrelle species. Behaviour was recorded for a small number of soprano and common pipistrelle passes and included commuting and foraging. Flight direction was recorded for six passes in total, comprising soprano pipistrelle (northwest to southeast), common pipistrelle (west to north, and north to west to north), and noctule (northwest to southeast). Flight height was recorded for soprano and common pipistrelle passes, generally between approximately 0.5 m and 5.0 m. No behavioural, directional or height data were recorded for the remaining species during this survey.

4.2.197 In July, two bat passes were recorded, comprising noctule (one pass) and Myotis bats (one pass). No behaviour, flight direction or flight height was recorded.

4.2.198 In September, four bat passes were recorded, comprising common pipistrelle (three passes) and noctule (one pass). Behaviour was recorded for two passes only, comprising foraging by common pipistrelle, and commuting by noctule. Flight direction was recorded for two passes (common pipistrelle northeast to southwest, and noctule flying west to east). Flight height was recorded for two passes, comprising approximately 2 to 3 m for common pipistrelle and 15 to 20 m for noctule.

4.2.199 Weather conditions during surveys at VP3 were suitable for bat activity. Surveys were undertaken in dry conditions with mild to warm temperatures, light or still winds, and limited cloud cover. No surveys were affected by adverse weather conditions that would be expected to constrain bat activity. Weather conditions and survey results are available in Table 4.32 and Table 4.33.

Table 4.32 – VP3 survey timings and weather summary

Date	Start/end Time	Weather conditions
20 May 2025	Start Time: 21:07 End Time: 22:45 Sunset: 21:07	15 to 13°C, overcast, light air, dry
15 July 2025	Start Time: 21:24 End Time: 22:50 Sunset: 21:24	16 to15°C, few/scattered clouds, light breeze, slight drizzle – light rain
16 September 2025	Start Time: 19:19 End Time: 20:49 Sunset: 19:19	15 to13°C; clear, light air, dry

Table 4.33 – Number of bat passes during VP3

Survey month	Brown long-eared bat	Common pipistrelle	Leisler's bat	Myotis spp.	Nathusius' pipistrelle	Noctule	Soprano pipistrelle	Unidentified pipistrelle species (50kHz)	Total
May 2025	1	55	1	2	2	4	74	1	140
July 2025	0	0	0	1	0	1	0	0	2
September 2025	0	3	0	0	0	1	0	0	4
Total	1	58	1	3	2	6	74	1	146
Bat Activity Score									High

Vantage Point 4

4.2.200 A total of 427 bat passes were recorded at VP4, comprising at least six species: common pipistrelle, soprano pipistrelle, noctule, Leisler's bat, Myotis bats, brown long-eared bat and unidentified pipistrelle species. Activity was highest in September (244 passes), followed by May (128 passes), and lowest in July (55 passes).

4.2.201 In May, 128 passes were recorded, comprising common pipistrelle (95 passes), Leisler's bat (23 passes), soprano pipistrelle (six passes), noctule (two passes), and Myotis bats (two passes). Behaviour was recorded for a small number of

common pipistrelle passes which included commuting and foraging. Flight direction was observed for a total of 50 passes, these included 47 common pipistrelle passes, one Myotis species pass, and one noctule pass. The flight direction for all passes comprised both west to east and east to west movements. Flight height was also recorded for 49 passes, (including 46 common pipistrelle passes, one Myotis species pass, one noctule pass, and one soprano pipistrelle pass) pass heights were generally between approximately 1.5 to 3 m.

4.2.202 In July, 55 passes were recorded, comprising common pipistrelle (46 passes), Myotis bats (four passes), soprano pipistrelle (four passes), and noctule (one pass). Behaviour, direction, and height were only recorded for 31 common pipistrelle passes encompassing commuting east to west and west to east, and foraging at heights between 1.5 m and 3 m.

4.2.203 In September, 244 passes were recorded, comprising common pipistrelle (209 passes), soprano pipistrelle (15 passes), noctule (nine passes), Leisler's bat (five passes), unidentified pipistrelle species (five passes), and brown long-eared bat (one pass). Behaviour was recorded for a small number of common pipistrelle passes and included commuting and foraging. Flight direction was recorded most frequently west to east and east to west, with flight height generally between approximately 4 to 8 m.

4.2.204 Weather conditions during surveys at VP4 were suitable for bat activity. Surveys were undertaken in dry conditions with mild to warm temperatures and light air. No surveys were affected by adverse weather conditions that would be expected to constrain bat activity. Weather conditions and survey results are available in Table 4.34 and Table 4.35.

Table 4.34 – VP4 survey timings and weather summary

Date	Start/end time	Weather conditions
21 May 2025	Start Time: 21:10 End Time: 22:40 Sunset: 21:07	11 to 9°C, clear, light air, dry
16 July 2025	Start Time: 21:23 End Time: 22:54 Sunset: 21:23	18 to 16°C, clear, light air, dry
17 September 2025	Start Time: 19:12 End Time: 20:49 Sunset: 19:12	19 to 16°C; overcast, light breeze, dry

Table 4.35 – Number of bat passes during VP4

Survey month	Brown long-eared bat	Common pipistrelle	Leisler's bat	Myotis	Noctule	Soprano pipistrelle	Unidentified pipistrelle species (50kHz)	Total
May 2025	0	95	23	2	2	6	0	128
July 2025	0	46	0	4	1	4	0	55

Survey month	Brown long-eared bat	Common pipistrelle	Leisler's bat	Myotis	Noctule	Soprano pipistrelle	Unidentified pipistrelle species (50kHz)	Total
September 2025	1	209	5	0	9	15	5	244
Total	1	350	28	6	12	25	5	427
Bat Activity Score								High

Vantage Point 5

4.2.205 A total of 135 bat passes were recorded at VP5, comprising at least five species: common pipistrelle, soprano pipistrelle, noctule, Leisler's bat, Myotis, and unidentified pipistrelle species. Activity was highest in July (97 passes), followed by May (21 passes), and lowest in September (17 passes).

4.2.206 In May, 21 passes were recorded, comprising common pipistrelle (13 passes), soprano pipistrelle (four passes), Leisler's bat (two passes), and Myotis bats (two passes). No behaviour, flight direction or flight height was recorded.

4.2.207 In July, 97 passes were recorded, comprising common pipistrelle (67 passes), soprano pipistrelle (24 passes), Myotis bats (five passes), and unidentified pipistrelle species (one pass). Behaviour was recorded for 13 common pipistrelle passes (foraging) and one Myotis bats pass (foraging). Flight direction was recorded for 13 common pipistrelle passes which included flights south to north and northeast to southwest movements), and one Myotis bats pass (northeast to southwest). Flight height was recorded for 12 common pipistrelle passes which were between 4 and 5 m.

4.2.208 In September, 17 passes were recorded, comprising common pipistrelle (eight passes), soprano pipistrelle (four passes), noctule (three passes), Leisler's bat (one pass), and unidentified pipistrelle species. (one pass). No behaviour, flight direction or flight height was recorded.

4.2.209 Weather conditions during surveys were suitable for bat activity in July and September which had mild to warm weather with light air to light breeze wind. However, moderate to heavy rain occurred during the May survey which could potentially limit the number of bat passes during the May survey. Weather conditions and survey results are available in Table 4.36 and Table 4.37.

Table 4.36 – VP5 survey timings and weather summary

Date	Start/end time	Weather conditions
27 May 2025	Start Time: 21:15 End Time: 22:15 Sunset: 21:15	12 to 11°C, overcast, light air Moderate to heavy rain
22 July 2025	Start Time: 21:15 End Time: 22:15 Sunset: 21:15	18 to 17°C, overcast, light breeze, dry

Date	Start/end time	Weather conditions
23 September 2025	Start Time: 18:59 End Time: 19:59 Sunset: 18:59	13 to 10°C; few/scattered clouds, light air, dry

Table 4.37 – Number of bat passes during VP5

Survey month	Common pipistrelle	Leisler's bat	Myotis	Noctule	Soprano pipistrelle	Unidentified pipistrelle species (50kHz)	Total
May 2025	13	2	2	0	4	0	21
July 2025	67	0	5	0	24	1	97
September 2025	8	1	0	3	4	1	17
Total	88	3	7	3	32	2	135
Bat Activity Score							High

Vantage Point 6

4.2.210 A total of 67 bat passes were recorded at VP6, comprising three species: common pipistrelle, soprano pipistrelle, and noctule. Activity was highest in July (29 passes), followed by September (22 passes) and May (16 passes).

4.2.211 In May, 16 passes were recorded, all soprano pipistrelle. Behaviour was recorded for 14 passes and included commuting and foraging (including commuting along treeline). Flight direction was recorded for 14 passes (comprising northwest to southeast, east to northwest, and northwest to southeast movements). Flight height was recorded for 14 passes, generally between approximately 3 and 5 m.

4.2.212 In July, 29 passes were recorded, comprising noctule (14 passes), common pipistrelle (12 passes), and soprano pipistrelle (three passes). Behaviour was recorded for nine noctule passes (foraging) and two common pipistrelle passes (foraging). Flight direction was recorded for seven common pipistrelle passes (southeast to northwest) and one noctule pass (heading southeast). Flight height was recorded for 11 common pipistrelle passes (approximately 1 to 4 m,) and nine noctule passes (recorded as greater than 20 m). No behaviour, direction or height was recorded for soprano pipistrelle.

4.2.213 In September, 22 passes were recorded, comprising common pipistrelle (17 passes), noctule (three passes), and soprano pipistrelle (two passes). Behaviour was recorded for two soprano pipistrelle passes (commuting). No flight direction or flight height information was recorded.

4.2.214 Weather conditions during surveys at VP6 were suitable for bat activity. Surveys were undertaken in dry conditions in May and September with only light drizzle in July. Temperatures across all survey dates for VP6 were mild to warm, with light or still winds, and varied cloud cover. No surveys were affected by adverse weather

conditions that would be expected to significantly constrain bat activity. Weather conditions and survey results are available in Table 4.38 and Table 4.39.

Table 4.38 – VP6 survey timings and weather summary

Date	Start/end time	Weather conditions
28 May 2025	Start Time: 21:16 End Time: 22:16 Sunset: 21:16	16°C, scattered clouds, still, dry
23 July 2025	Start Time: 21:13 End Time: 22:43 Sunset: 21:13	17 to 16°C, overcast, light air, slight drizzle
24 September 2025	Start Time: 18:57 End Time: 20:45 Sunset: 18:57	13 to 10°C; few clouds, light air, dry

Table 4.39 – Number of bat passes during VP6

Survey month	Common pipistrelle	Noctule	Soprano pipistrelle	Total
May 2025	0	0	16	16
July 2025	12	14	3	29
September 2025	17	3	2	22
Total	29	17	21	67
Bat Activity Score				Moderate

4.3 Nature Conservation Evaluation

4.3.1 According to CIEEM's bat mitigation guidelines (Reason & Wray, 2025) different species are assigned different assemblage importance according to which region they are recorded in. As such, some regions are not expected to contain certain species and some species in different regions are weighted with less or more importance than others compared to the same species in different regions. The species and their importance with relation to their assemblage is presented along with the nature conservation results for bats within the survey area within in Table 4.40 and Table 4.41. With relation to species presence and assemblage importance within the CIEEM bat mitigation guidelines (Reason & Wray, 2025), survey locations in the Northern England geographical region (NBW1, NBW2, NBW3, NBW4, VP1, VP2, and VP3) have been grouped together, and the nature conservation value is determined to of **County** importance; and survey locations in Central England/Midlands geographic region (NBW5, NBW6, VP4, VP5 and VP6) have been grouped together and the nature conservation value is of **County** importance.

Table 4.40 – Nature conservation value of survey locations in Northern England

Species	Importance of commuting and foraging habitat (summary of justification)	Importance of assemblage
Widespread: common pipistrelle, soprano pipistrelle, brown long-eared bat	There is high reliance on habitats by two widespread unthreatened bat species (soprano and common pipistrelles) as demonstrated by the regular use and the large number of passes recorded. Moderate reliance on habitats by Myotis species (unthreatened) as shown by regular use but smaller numbers of passes, desk-based study information and professional judgement has been used to provide information on specific species. Low reliance on habitats by noctule bats, Leisler's bat, Nathusius' pipistrelle bat and brown long-eared bats (unthreatened) as demonstrated by the few passes recorded. Leisler's bat and Nathusius' pipistrelle have been omitted from the assemblage as very few passes were recorded within the survey locations in Northern England indicating that these species do not frequently use the survey locations for foraging and commuting. There were no recordings of Alcathoe bat during the surveys. Within the survey locations themselves, agricultural fields are large and afford poor foraging habitat quality. Most activity is focused in boundary areas where there are hedgerows, watercourses and tree lines.	(1 point per species) Score 3 for this part of the assemblage (of a maximum of 3).
Widespread in many geographies but not as abundant in all: whiskered bat, Brandt's bat, Daubenton's bat, Natterer's bat, noctule		(2 points per species) Score 8 for this part of the assemblage (of a maximum of 10).
Rarer or restricted distribution: Alcathoe bat, Leisler's bat, Nathusius' pipistrelle		(3 points per species) Score 0 for this part of the assemblage (of a maximum of 9)
Summary evaluation	Based on the number of passes per species with only sporadic instances (at most locations) of Leisler's bat and Nathusius' pipistrelle the commuting and foraging habitats are considered to be of County importance for all species.	The overall assemblage of the survey locations in Northern England is of **County importance** (scoring 11 of a possible 22 points, or 50 percent).

Table 4.41 – Nature conservation value of survey locations in Central England/Midlands

Species	Importance of commuting and foraging habitat (summary of justification)	Importance of assemblage
Widespread: common pipistrelle, soprano pipistrelle, brown long-eared bat	There is high reliance on habitats by two widespread unthreatened bat species (soprano and common pipistrelles) as demonstrated by the regular use and the large number of passes recorded. Moderate reliance on habitats by Myotis species (unthreatened) as shown by regular use but smaller numbers of passes, desk-based study information and professional judgement has been used to provide information on specific species. Low reliance on habitats by noctule bats, Nathusius' pipistrelle and brown long-eared bats (unthreatened) as demonstrated by the few passes recorded. Within the survey locations themselves fields are large and afford poor foraging habitat quality. Most activity is focussed in boundary areas where there are hedgerows, watercourses and tree lines	(1 point per species) Score 3 for this part of the assemblage (of a maximum of 3)
Widespread in many geographies but not as abundant in all: whiskered bat, Brandt's bat, Daubenton's bat, Natterer's bat, noctule		(2 points per species) Score 8 for this part of the assemblage (of a maximum of 10)
Rarer or restricted distribution: serotine, Leisler's bat, Nathusius' pipistrelle		(3 points per species) Score 3 for this part of the assemblage (of a maximum of 9)
Rarest Annex II species and very rare: Barbastelle	No likely reliance on habitats for commuting and foraging as none were recorded during the field surveys.	(4 points per species) Score 0 for this part of the assemblage (of a maximum of 4)
Summary evaluation	Based on the number of passes per species with only sporadic instances (at most locations) of brown long-eared bat, noctule bat and Nathusius' pipistrelle. Leisler bat were generally recorded in low numbers with the exception of two VP surveys, therefore the commuting and foraging habitats are considered to be of County importance for all species.	The overall assemblage of the survey locations in Central England Midlands is of **County importance** (scoring 14 of a possible 26 points or 53 percent).

5. Summary and Evaluation

5.1 Desk-based study

5.1.1 A total of 1,065 bat records were returned within 2 km of the Order Limits within ten years from receipt of the data, comprising ten species: brown long-eared bat; common pipistrelle; soprano pipistrelle; Nathusius' pipistrelle; Daubenton's bat; Brandt's bat; whiskered bat; Leisler's bat; noctule; and barbastelle, in addition to records of unidentified Myotis and Pipistrelle species. Existing records for barbastelle were identified; however, these records were not located within the Order Limits, and barbastelle bats were not recorded during the surveys in 2025.

5.1.2 Within the Order Limits, 90 bat records were returned, including 13 confirmed roost records. Of these roost records, eight related to brown long-eared bat, two to common pipistrelle, one to soprano pipistrelle, and two to unidentified bat species. Several roost records were associated with bat boxes, while others were recorded through field observation or identified as day roosts. These records confirm that features within the Order Limits have historically supported roosting bats.

5.1.3 Many returned desk-based study records were associated with broad grid references, limiting the ability to attribute records precisely to specific habitat features or to determine exact proximity to proposed works. Consequently, the desk-based study has been used to provide landscape context and confirm species presence rather than to identify precise commuting corridors or foraging hotspots.

5.1.4 In relation to statutory designations, there are no SACs within 30 km of the Order Limits designated for bats as qualifying features, and no SSSIs within 5 km cited specifically for bats.

5.1.5 Within ten years of receipt of the desk-based data, no EPSMLs relating to bats have been granted within the Order Limits. However, 11 EPSMLs have been granted within 2 km of the Order Limits, with the closest located approximately 20 m to the east of the Order Limits (near Belton, Route Section D). The licences predominantly relate to common pipistrelle, with one licence issued for both common pipistrelle and brown long-eared bat. These records confirm that roosting bats are present within the wider landscape surrounding the Order Limits, although there is no direct evidence of licensed roosts within the Order Limits themselves.

5.2 Field Survey

Night-Time Bat Walkover Survey

5.2.1 The NBW surveys recorded a total of 738 bat passes across six locations (NBW1 to NBW6) surveyed between May and October 2025 Clear differences were identified in both levels of bat activity and bat species in relation to habitat type and survey locations.

5.2.2 The highest activity was recorded at NBW4 (205 passes), followed by NBW6 (139 passes), NBW1 (124 passes) and NBW3 (110 passes). Lower activity was recorded at NBW2 (86 passes) and NBW5 (74 passes). The two watercourse locations, NBW3 and NBW4, together accounted for 315 passes (approximately 44 percent of total

activity) and supported the greatest species richness. These locations recorded a wider range of species, including common pipistrelle, soprano pipistrelle, noctule, Myotis bats and brown long-eared bat, with notable records of Leisler's bat. Activity at NBW4 was consistently High across the season, while NBW3 showed a pronounced peak during May.

5.2.3 Within woodland and arable habitats, NBW6 supported the highest overall activity (139 passes), with a range of bat species recorded, indicating the importance of associated linear habitat features for commuting and foraging bats. NBW1 also supported relatively high activity (124 passes), although this declined progressively throughout the survey season. NBW2 recorded Moderate overall activity (86 passes), with the majority of passes recorded during May and July, followed by a marked reduction in September. NBW5 recorded the lowest overall activity of the six survey locations (74 passes), although a pronounced increase was recorded during September.

5.2.4 Common pipistrelle was the dominant species across most NBW locations. Soprano pipistrelle and Myotis bats were recorded at several locations, while noctule was recorded across both woodland and arable habitats and watercourse-associated locations. Nathusius' pipistrelle and Leisler's bat were recorded less frequently, although notable Leisler's bat activity was recorded at NBW4 during October. Brown long-eared bat was recorded intermittently throughout the survey season.

Automated Static Detector Survey

5.2.5 During the automated static bat detector deployment, across all locations, common pipistrelle was the dominant species, accounting for the majority of bat passes and reflecting its generalist ecology and widespread distribution. Other species, including soprano pipistrelle, Myotis bats, noctule, Leisler's bat, and brown long-eared bat, were recorded regularly but in lower numbers, while Nathusius' pipistrelle occurred only sporadically and in very low numbers.

Vantage Point Survey

5.2.6 The vantage point surveys recorded regular bat activity across the survey area, with all locations supporting bats during all survey periods. Activity was consistently dominated by common pipistrelle, which was recorded in substantial numbers at several vantage points, particularly VP1, VP2 and VP4.

5.2.7 The bat activity surveys carried out between April and October 2025 confirm that the Order Limits supports several species of bats. Activity was recorded across all survey locations throughout the active season. Watercourses, and well-connected woodland and hedgerow features supported the highest levels of activity. Although arable dominated areas supported comparatively lower activity levels, bats were recorded consistently across the survey area, demonstrating its function within the wider ecological network.

5.3 Nature Conservation Evaluation

5.3.1 With relation to the CIEEM's mitigation guidelines (Reason & Wray, 2025), survey locations in the Northern England geographic region (NBW1, NBW2, NBW3, NBW4, VP1, VP2 and VP3) have been grouped together, and the nature conservation value is of **County** importance; and survey locations in the Central England/Midlands geographic region (NBW5, NBW6, VP4, VP5 and VP6) have been grouped together and the nature conservation value is also of **County** importance.

6. Mitigation Requirements

6.1.1 Habitats within the Order Limits form part of an established and functionally connected bat network, supporting both foraging and commuting activity by a range of different bat species. Consequently, the retention, protection and appropriate management of important habitats particularly woodland, watercourses, and other linear features will ensure the ecological functionality of the habitats within the Order Limits for bats will be maintained in accordance with relevant wildlife legislation and planning policy. To this end the Project will ensure the ongoing maintenance of commuting routes, with any removed sections of hedgerows replaced and improved from defunct species poor hedges to intact species rich ones with on-going mitigation. Planting areas will be created to account for any habitat loss and tree loss across the Project, providing additional foraging, commuting and roosting habitat for bats and can be seen in **Application Document 7.8 Outline Landscape and Ecology Management Plan**. Bat boxes will be provided to some landowners retaining trees on their properties to allow for further bat roosting opportunities where available. For additional mitigation pertaining specifically to trees with bat roost potential and bat roosts please see **Application Document 6.8.A7 Appendix 8.7 Bat Roost Report**.

6.1.2 To minimise potential impacts on bats during construction and operation of the Project, bat-sensitive lighting will be incorporated into the Project construction design. As set out in **Application Document 7.3 Register of Environmental Actions and Commitments** this will follow current best practice guidance, Guidance Note 08/23 Bats and Artificial Lighting (Institute of Lighting Professionals, 2023) and Guidance Note 01/21 The Reduction of Obtrusive Light (Institute of Lighting Professionals, 2021), which includes the avoidance of unnecessary illumination of features such as tree lines, hedgerows, and watercourses used by bats for navigation and feeding. Additionally the guidance advises that where lighting is necessary, it will be low-level, directional, and use warm-spectrum LEDs to reduce disturbance. These measures alongside responsible habitat protection, mitigation and management will safeguard local bat populations and ensure the Project proceeds in accordance with relevant wildlife legislation and ecological best practice. For additional information pertaining to the mitigation of habitats and protected species, including bats, please see **Application Document 7.3 Register of Environmental Actions and Commitments**.

References

Collins, J. (2023). Bat Surveys for Professional Ecologists: Good Practice Guidelines (4th edition). London: The Bat Conversation Trust. Retrieved from https://cdn.bats.org.uk/uploads/pdf/Resources/For-professionals/Bat-Survey-Guidelines-4th-edition-AMENDED-27.03.24.pdf?v=1711530492

Department for Environment, Food and Rural Affairs. (2026). *Multi Agency Graphic Information for the Countryside*. Retrieved February 12, 2026, from https//magic.defra.gov.uk/

Google. (2026, January 5). *Google maps*. Retrieved 04 6, 2025, from Google maps: https://www.google.com/maps

HM Government. (1981). *Wildlife and Countryside Act 1981*. Retrieved February 12, 2026, from legislation.gov.uk: https://www.legislation.gov.uk/ukpga/1981/69/contents

HM Government. (2006). *Natural Environment and Rural Communities Act 2006*. Retrieved February 12, 2026, from legislation.gov.uk: https://www.legislation.gov.uk/ukpga/2006/16/content

HM Government. (2017). *The Conservation of Habitats and Species Regulations 2017*. Retrieved February 12, 2026, from legislation.gov.uk: https://www.legislation.gov.uk/uksi/2017/1012/contents

Institute of Lighting Professionals. (2021). *Guidance Note 1 for the reduction of obtrusive light.* Retrieved February 12, 2026, from theilp.org.uk: hhttps://theilp.org.uk/resource/gn01-ilp-guidance-note-1-the-reduction-of-obtrusive-light-2021.html

Institute of Lighting Professionals. (2023). *Bats and Artificial Lighting. Guidance Note. GN08/23.* Retrieved February 12, 2026, from theilp.org.uk: https://theilp.org.uk/resource/gn08-bats-and-artificial-lighting-pdf.html

Mammal Society. (2026). *Ecobat*. Retrieved February 12, 2026, from https://mammal.org.uk/current-research/bat-survey-tools

Reason, P., & Wray, S. (2025, August). *UK Bat Mitigation Guidelines: A Guide to Impact Assessment, Mitigation and Compensation for Developments Affecting Bats. Version 1.2.* Ampfield: Chartered Institute of Ecology and Environmental Management. Retrieved February 12, 2026, from CIEEM: https://cieem.net/wp-content/uploads/2023/09/Bat-Mitigation-Guidelines-2025-V1.2.pdf

Russ, J. (2012). *British Bat Calls: A guide to Species Identification.* Exeter: Pelagic Publishing.

Annex A
Figures

nationalgrid

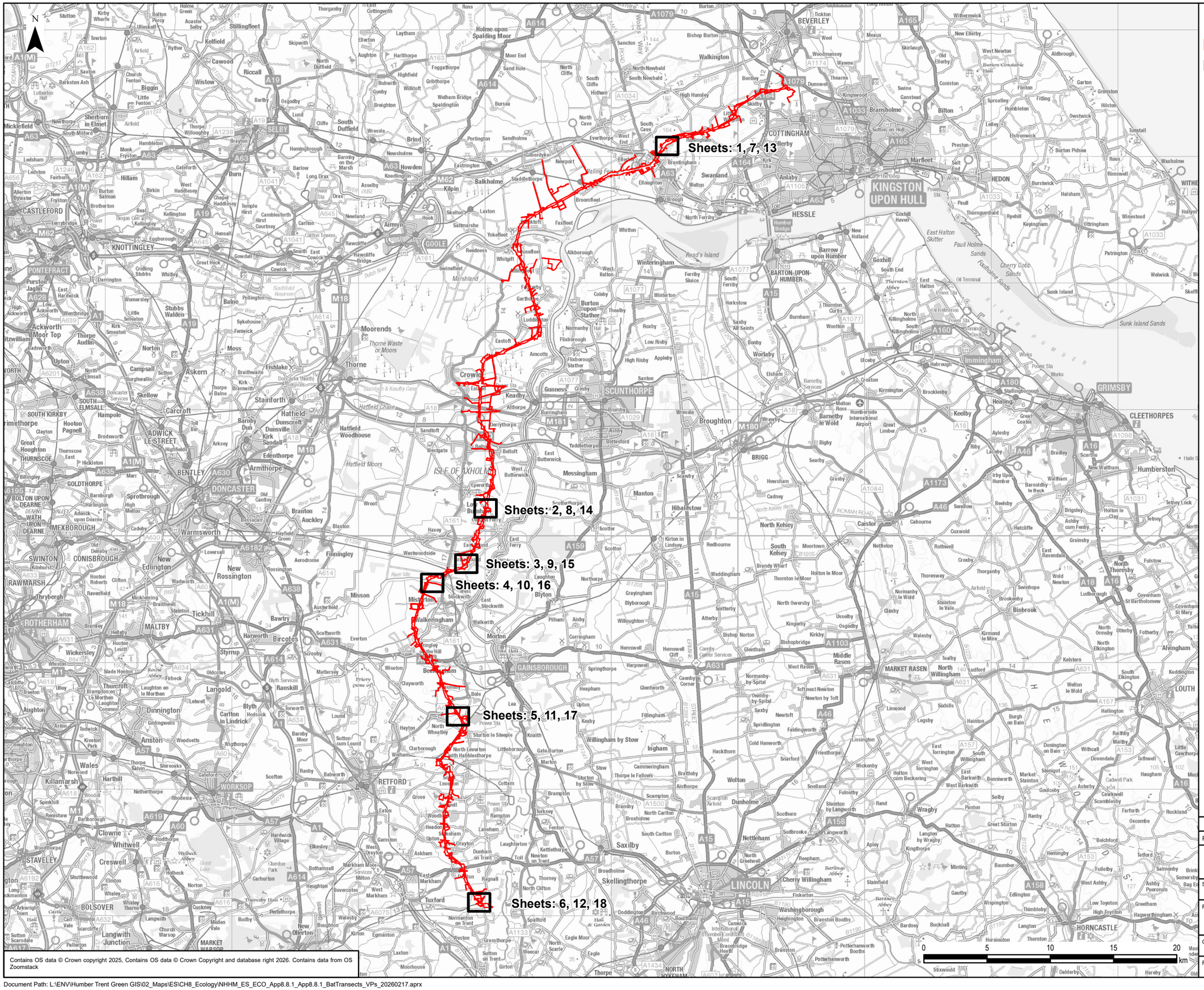
Annex A
Figures

A.1.1 Annex A contains the following figures:

- **A8.8.1 Night-time Bat Walkover**; and
- **A8.8.2 Bat Activity Vantage Point Locations**.

Figure A8.8.1 – Night-time Bat Walkover

nationalgrid



Legend

- Order Limits
- Map Sheet

Date coverage by sheet:
Sheets 1–6 — May 2025
Sheets 7–12 — July 2025
Sheets 13–18 — September & October 2025

Rev	Date	Description	GIS	Chk	App
0	14/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER MAY, JULY, SEPTEMBER-OCTOBER 2025 KEY PLAN

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	14/10/2026	JG	14/10/2026	NL	14/10/2026

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4ZQ79A
4ZQ79B
4ZQ80
4ZQ81
4ZQ82
NBW1E
NBW1W

Legend

- Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Existing Overhead Line Not Affected
- Existing Overhead Line to be Reconductored
- Existing Overhead Line to be Dismantled
- Existing Lattice Pylon Not Affected
- Existing Lattice Pylon To Be Modified

Night-time Bat Walkover (NBW) Data

- Night-time Bat Walkover Survey Route
- Static Location

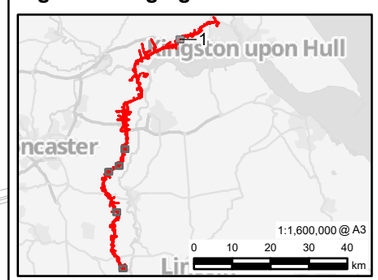
Species

- Common Pipistrelle
- Nathusius Pipistrelle

Species Flightline and Direction*

- Common Pipistrelle
- Nathusius Pipistrelle

Note:
Figures only show bats visually observed by surveyors. Additional bat registrations were recorded acoustically but could not be accurately mapped and are therefore not presented.
***For flightlines with no arrow, the direction of flight was not observed. Halo indicates circular flight or foraging.**



Rev	Date	Description	GIS	Chk	App
0	15/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

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Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER MAY 2025

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ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

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4AF147

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4AF149

4AF150

NBW2

Legend

Order Limits

Existing Overhead Line

400 kV

Project Design Details

Indicative New Overhead Line

Indicative New Lattice Pylon

Night-time Bat Walkover (NBW) Data

Night-time Bat Walkover Survey Route

Static Location

Species

Common Pipistrelle

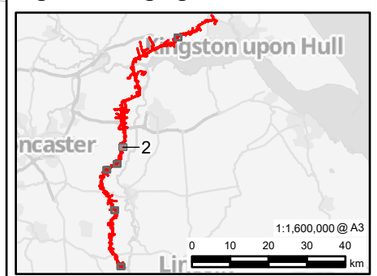
Nathusius Pipistrelle

Species Flightline and Direction*

Common Pipistrelle

Nathusius Pipistrelle

Note:
Figures only show bats visually observed by surveyors. Additional bat registrations were recorded acoustically but could not be accurately mapped and are therefore not presented.
***For flightlines with no arrow, the direction of flight was not observed. Halo indicates circular flight or foraging.**



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0 100 200 300 400 m

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0	15/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

nationalgrid

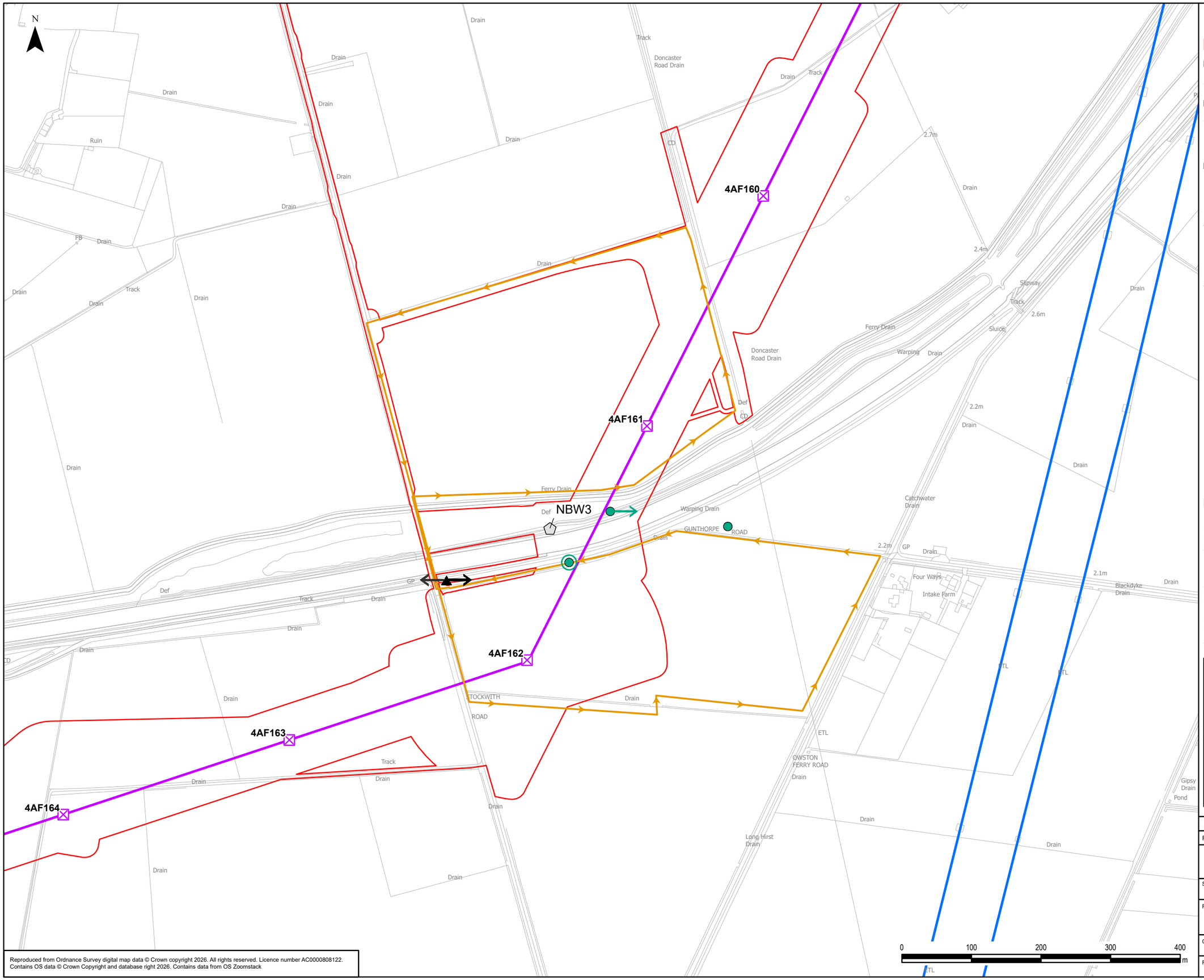
Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER MAY 2025

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.8.1	1:5,000	A3	2 OF 18	0

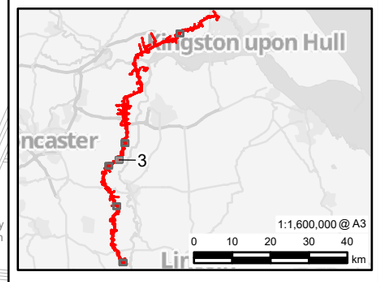
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Legend

- Order Limits
- Existing Overhead Line
  - 400 kV
- Project Design Details
  - Indicative New Overhead Line
  - Indicative New Lattice Pylon
- Night-time Bat Walkover (NBW) Data
  - Night-time Bat Walkover Survey Route
  - Static Location
- Species
  - Common Pipistrelle
  - Noctule
- Species Flightline and Direction*
  - Common Pipistrelle
  - Noctule

Note:
Figures only show bats visually observed by surveyors. Additional bat registrations were recorded acoustically but could not be accurately mapped and are therefore not presented.
***For flightlines with no arrow, the direction of flight was not observed. Halo indicates circular flight or foraging.**



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0	15/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

nationalgrid

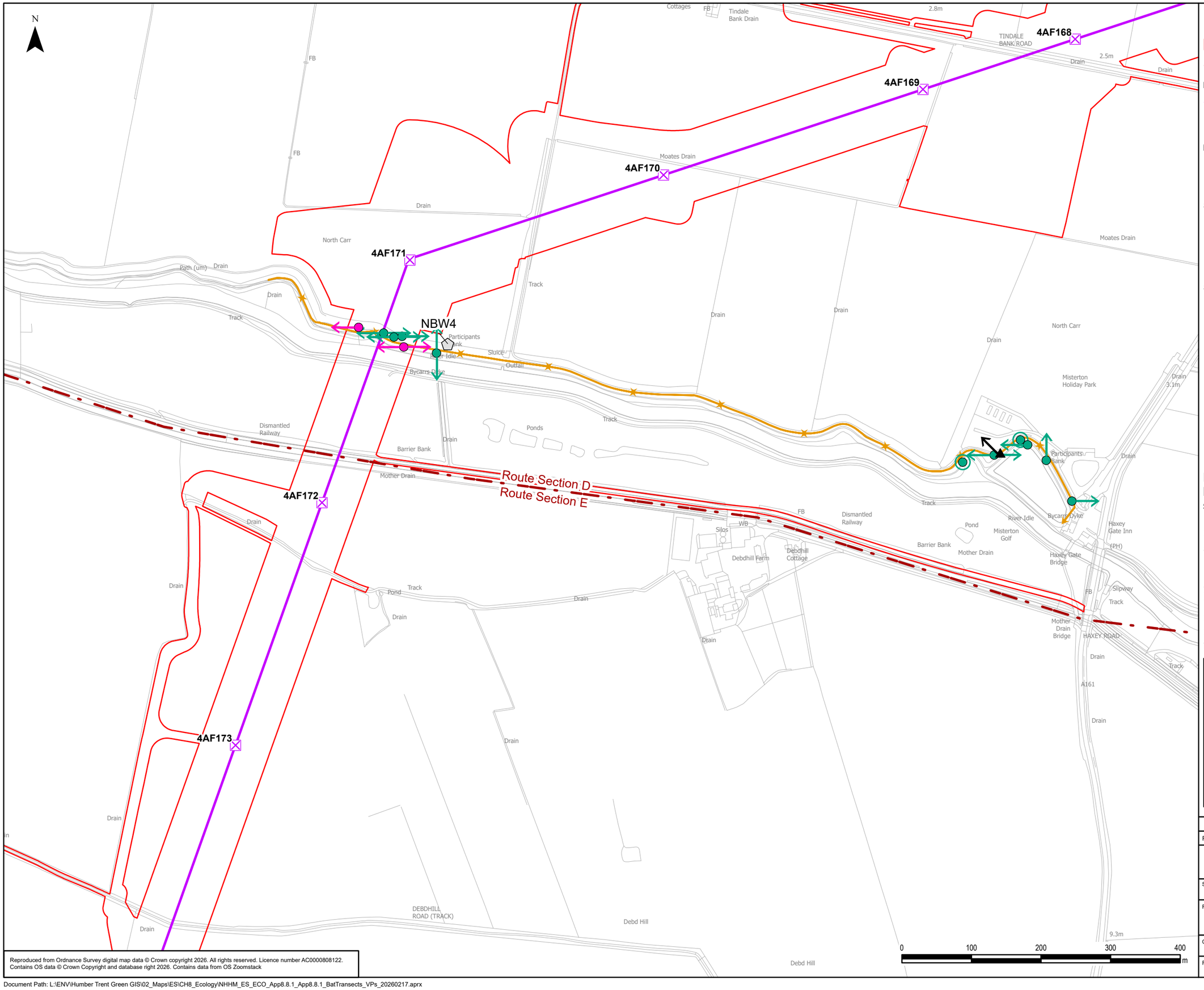
Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER MAY 2025

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.8.1	1:5,000	A3	3 OF 18	0

Document Path: L:\ENV\Humber Trent Green GIS\02_Maps\ES\CH8_Ecology\NHHM_ES_ECO_App8.8.1_App8.8.1_BatTransects_VPs_20260217.aprx



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Legend

- Order Limits
- Route Section

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Night-time Bat Walkover (NBW) Data

- Night-time Bat Walkover Survey Route
- Static Location

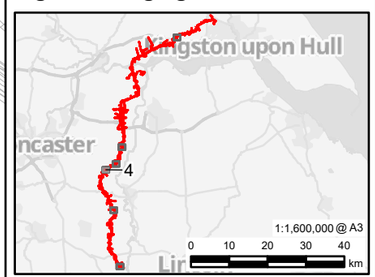
Species

- Common Pipistrelle
- Noctule
- Soprano Pipistrelle

Species Flightline and Direction*

- Common Pipistrelle
- Noctule
- Soprano Pipistrelle

Note: Transect was walked in both directions during the NBW survey.
Figures only show bats visually observed by surveyors.
Additional bat registrations were recorded acoustically but could not be accurately mapped and are therefore not presented.
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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER MAY 2025

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.8.1	1:5,000	A3	4 OF 18	0

Document Path: L:\ENV\Humber Trent Green GIS\02_Maps\ES\CH8_Ecology\NHHM_ES_ECO_App8.8.1_App8.8.1_BatTransects_VPs_20260217.aprx

N

4AF204

4AF205

NBW5

4AF206

4AF207

4AF208

High Farm

High Farm Cottages

Def

Track

Drain

Wheatley Beck

Oswald Beck

Pond

CS

FB

Grange Farm Cottages

9.9m

Grange F

Track

LB

Middle Farm

TK

12.5m

11.2m

11.6m

Def

12.8m

MP 71.0

12.7m

SL

MP 0.75

18.4m

13.3m

Path

22.3m

Track

Def

The Crest

20.4m

20.5m

21.2m

23.5m

0 100 200 300 400 m

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Legend

- Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Night-time Bat Walkover (NBW) Data

- Night-time Bat Walkover Survey Route
- Static Location

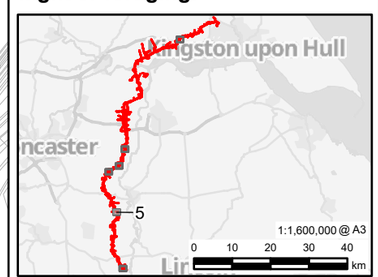
Species

- Myotis
- Noctule

Species Flightline and Direction*

- Myotis
- Noctule

Note:
Figures only show bats visually observed by surveyors. Additional bat registrations were recorded acoustically but could not be accurately mapped and are therefore not presented.
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Rev	Date	Description	GIS	Chk	App
0	15/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER MAY 2025

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.8.1	1:5,000	A3	5 OF 18	0

Document Path: L:\ENV\Humber Trent Green GIS\02_Maps\ES\CH8_Ecology\NHHM_ES_ECO_App8.8.1_App8.8.1_BatTransects_VPs_20260217.aprx

N

4AF254

4AF255

4AF256

4AF257

4AF258

4AF259

4AF260

NBW6

11.1m
FAR ROAD
Well
16.4m
CRABTREE LANE
Lay-by
17.2m
CRABTREE LANE (TRACK)
Drain
Station Cottages
17.4m
Station House
Pond
Path
Def
Post
18.7m
Dismantled Railway
MP 0.75
Track
High Marnham Junction
Issues
SP
MP 0.5
20.8m
CRABTREE LANE
Lay-by
SP
20.8m
14.1m
12.6m
POLLY TAYLOR'S
Drain
10.8m
Drain
19.1m
GP
16.9m
ETL
21.2m
19.6m
ETL
17.3m
Dismantled Railway
Drain
Pond
16.3m
Fledborough House
Fledborough House Farm
18.9m
Drain
Drain
ETL
12.8m
8.7m
ETL

0 100 200 300 400 m

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Legend

- Order Limits

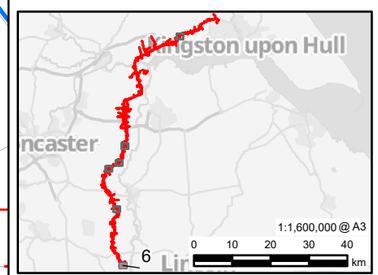
Existing Overhead Line
- 275 kV
- 400 kV

Project Design Details
- Indicative New Overhead Line
- Indicative New Gantry
- Indicative New Lattice Pylon

Night-time Bat Walkover (NBW) Data
- Night-time Bat Walkover Survey Route
- Static Location

Species
- Common Pipistrelle

Note:
Figures only show bats visually observed by surveyors. Additional bat registrations were recorded acoustically but could not be accurately mapped and are therefore not presented.
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Rev	Date	Description	GIS	Chk	App
0	15/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER MAY 2025

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.8.1	1:5,000	A3	6 OF 18	0

Document Path: L:\ENV\Humber Trent Green GIS\02_Maps\ES\CH8_Ecology\NHHM_ES_ECO_App8.8.1_App8.8.1_BatTransects_VPs_20260217.aprx

N

4AF32
4AF33
4AF34
4AF35
4AF36
4AF37
4AF38
4AF39
4AF40
4ZQ76
4ZQ77
4ZQ78
4ZQ79A
4ZQ79B
4ZQ80
4ZQ81
4ZQ82
NBW1E
NBW1W

Legend

- Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Existing Overhead Line Not Affected
- Existing Overhead Line to be Reconductored
- Existing Overhead Line to be Dismantled
- Existing Lattice Pylon Not Affected
- Existing Lattice Pylon To Be Modified

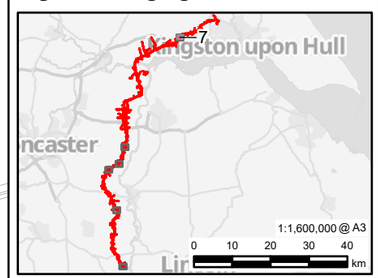
Night-time Bat Walkover (NBW) Data

- Night-time Bat Walkover Survey Route
- Static Location

Species

- Common Pipistrelle
- Myotis
- Soprano Pipistrelle

Note:
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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER JULY 2025

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.8.1	1:7,000	A3	7 OF 18	0

0 100 200 300 400 m

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N

4AF147

4AF148

4AF149

4AF150

NBW2

Legend

Order Limits

Existing Overhead Line

400 kV

Project Design Details

Indicative New Overhead Line

Indicative New Lattice Pylon

Night-time Bat Walkover (NBW) Data

Night-time Bat Walkover Survey Route

Static Location

Species

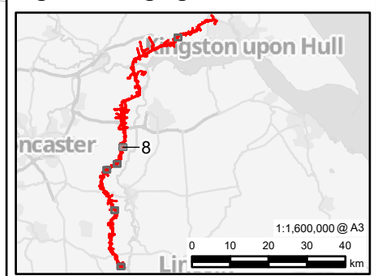
Brown long-eared bat

Common Pipistrelle

Species Flightline and Direction*

Common Pipistrelle

Note:
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Rev	Date	Description	GIS	Chk	App
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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER JULY 2025

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.8.1	1:5,000	A3	8 OF 18	0

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0 100 200 300 400 m

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N

4AF160

4AF161

4AF162

4AF163

4AF164

NBW3

Drain
Track
Doncaster Road Drain
Ruin
FB
CD
Def
GP
Ferry Drain
Warping Drain
GUNTHORPE ROAD
TOCKWITH ROAD
Slipway
Sluice
2.7m
2.4m
2.6m
2.2m
2.1m
Catchwater Drain
Four Ways
Intake Farm
Blackdyke Drain
OWSTON FERRY ROAD
ETL
Long Hirst Drain
Gipsy Drain
Pond

0 100 200 300 400 m

Legend

Order Limits

Existing Overhead Line

400 kV

Project Design Details

Indicative New Overhead Line

Indicative New Lattice Pylon

Night-time Bat Walkover (NBW) Data

Night-time Bat Walkover Survey Route

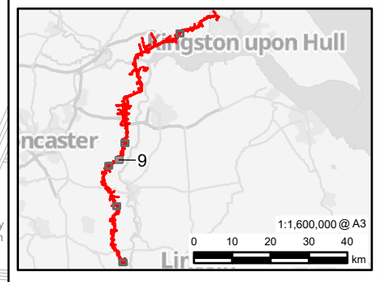
Static Location

Species

Common Pipistrelle

Noctule

Note:
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Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER JULY 2025

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.8.1	1:5,000	A3	9 OF 18	0

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N

4AF168
4AF169
4AF170
4AF171
4AF172
4AF173
NBW4
Route Section D
Route Section E

Legend

- Order Limits
- Route Section

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Night-time Bat Walkover (NBW) Data

- Night-time Bat Walkover Survey Route
- Static Location

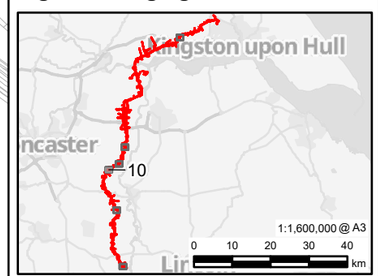
Species

- Common Pipistrelle
- Myotis + Noctule
- Noctule
- Soprano Pipistrelle

Species Flightline and Direction*

- Common Pipistrelle
- Soprano Pipistrelle

Note:
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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER JULY 2025

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

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A8.8.1	1:5,000	A3	10 OF 18	0

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0 100 200 300 400 m

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N

4AF204

4AF205

NBW5

4AF206

4AF207

4AF208

High Farm

High Farm Cottages

Def

Track

Drain

Wheatley Beck

Oswald Beck

Pond

CS

FB

Grange Farm Cottages

9.9m

Middle Farm

LB

Tk

12.5m

11.2m

11.6m

12.8m

12.7m

MP 71.0

MP 0.75

18.4m

13.3m

22.3m

20.4m

20.5m

21.2m

0 100 200 300 400 m

Legend

Order Limits

Project Design Details

Indicative New Overhead Line

Indicative New Lattice Pylon

Night-time Bat Walkover (NBW) Data

Night-time Bat Walkover Survey Route

Static Location

Species

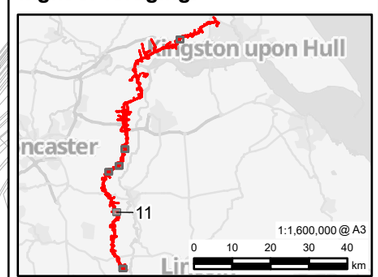
Common Pipistrelle

Noctule

Species Flightline and Direction*

Common Pipistrelle

Note:
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Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER JULY 2025

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Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.8.1	1:5,000	A3	11 OF 18	0

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N

4AF254
4AF255
4AF256
4AF257
4AF258
4AF259
4AF260
NBW6

CRABTREE LANE (TRACK)
CRABTREE LANE
Lay-by
FAR ROAD
Well
Drain
Track
High Marnham
Junction
Issues
SP
MP 0.5
MP 0.75
Dismantled Railway
Station House
Pond
Path
Def
Post
Fledborough House
Fledborough House Farm
ETL
11.1m
16.4m
17.2m
20.8m
14.1m
12.6m
10.8m
19.1m
16.9m
GP
17.4m
18.7m
12.8m
17.3m
16.3m
18.9m
21.2m
19.6m
8.7m

0 100 200 300 400 m

Legend

- Order Limits

Existing Overhead Line
- 275 kV
- 400 kV

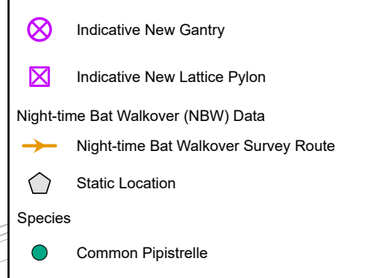
Project Design Details
- Indicative New Overhead Line
- Indicative New Gantry
- Indicative New Lattice Pylon

Night-time Bat Walkover (NBW) Data
- Night-time Bat Walkover Survey Route
- Static Location

Species
- Common Pipistrelle
- Myotis
- Soprano Pipistrelle

Species Flightline and Direction*
- Common Pipistrelle
- Myotis

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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER JULY 2025

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.8.1	1:5,000	A3	12 OF 18	0

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N

4AF32
4AF33
4AF34
4AF35
4AF36
4AF37
4AF38
4AF39
4AF40
4ZQ76
4ZQ77
4ZQ78
4ZQ79A
4ZQ79B
4ZQ80
4ZQ81
4ZQ82
NBW1E
NBW1W

Legend

- Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Existing Overhead Line Not Affected
- Existing Overhead Line to be Reconductored
- Existing Overhead Line to be Dismantled
- Existing Lattice Pylon Not Affected
- Existing Lattice Pylon To Be Modified

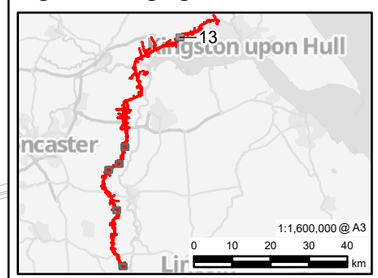
Night-time Bat Walkover (NBW) Data

- Night-time Bat Walkover Survey Route
- Static Location

Species

- Common Pipistrelle
- Myotis
- Soprano Pipistrelle

Note:
Figures only show bats visually observed by surveyors. Additional bat registrations were recorded acoustically but could not be accurately mapped and are therefore not presented.
***For flightlines with no arrow, the direction of flight was not observed. Halo indicates circular flight or foraging.**



Rev	Date	Description	GIS	Chk	App
0	15/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER SEPTEMBER & OCTOBER 2025

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.8.1	1:7,000	A3	13 OF 18	0

0 100 200 300 400 m

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N

4AF147

4AF148

4AF149

4AF150

NBW2

Legend

Order Limits

Existing Overhead Line

400 kV

Project Design Details

Indicative New Overhead Line

Indicative New Lattice Pylon

Night-time Bat Walkover (NBW) Data

Night-time Bat Walkover Survey Route

Static Location

Species

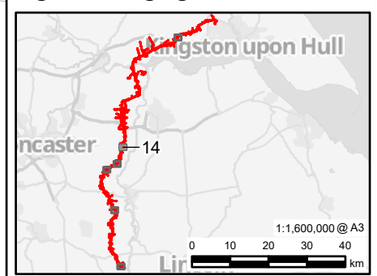
Common Pipistrelle

Myotis

Species Flightline and Direction*

Common Pipistrelle

Note:
Figures only show bats visually observed by surveyors. Additional bat registrations were recorded acoustically but could not be accurately mapped and are therefore not presented.
***For flightlines with no arrow, the direction of flight was not observed. Halo indicates circular flight or foraging.**



Rev	Date	Description	GIS	Chk	App
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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER SEPTEMBER & OCTOBER 2025

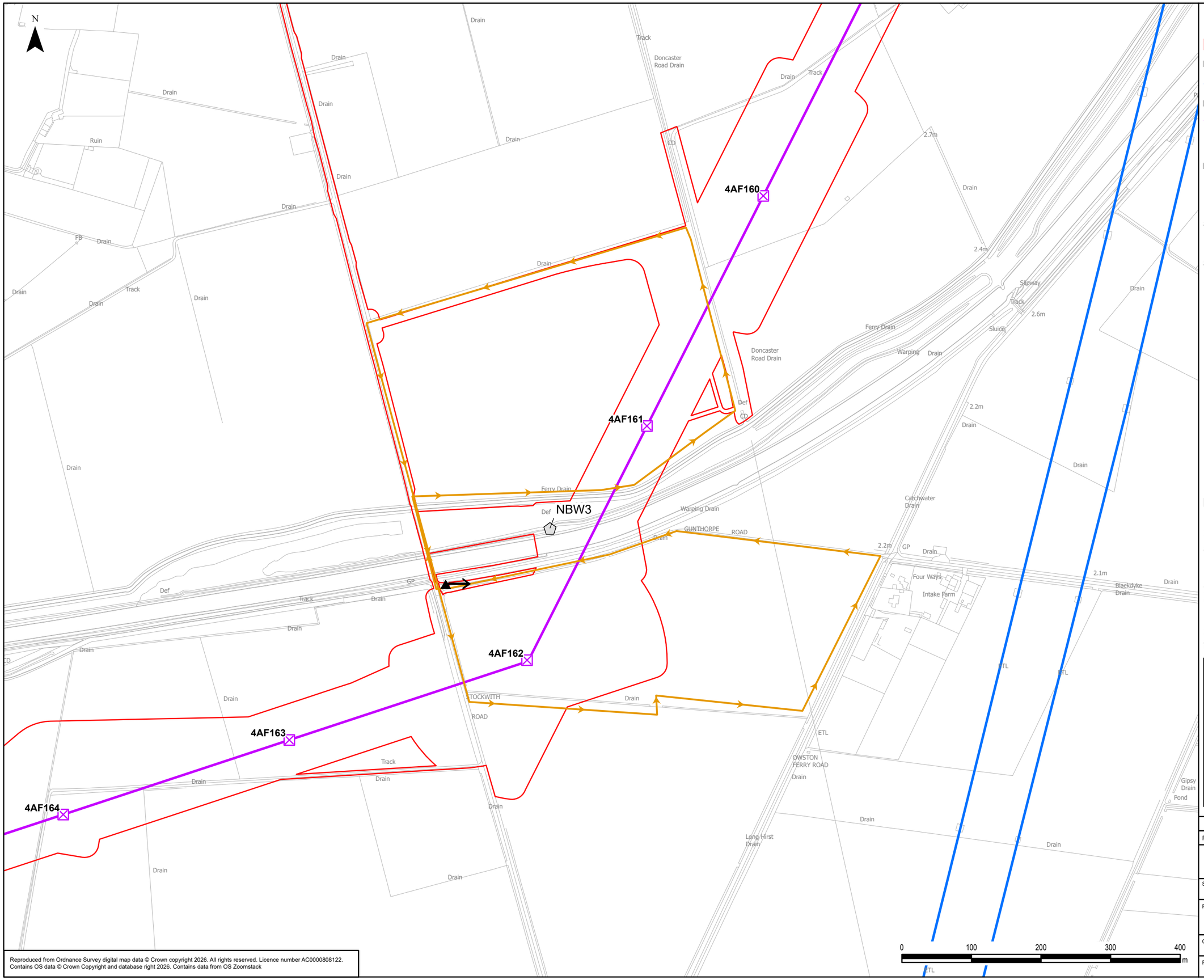
Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.8.1	1:5,000	A3	14 OF 18	0

0 100 200 300 400 m

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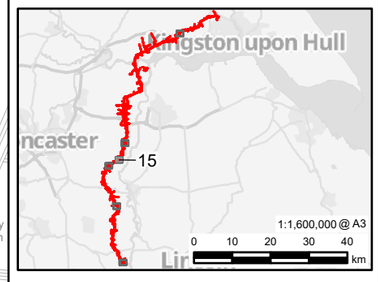
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Legend

- Order Limits
- Existing Overhead Line
  - 400 kV
- Project Design Details
  - Indicative New Overhead Line
  - Indicative New Lattice Pylon
- Night-time Bat Walkover (NBW) Data
  - Night-time Bat Walkover Survey Route
  - Static Location
- Species
  - Noctule
- Species Flightline and Direction*
  - Noctule

Note:
Figures only show bats visually observed by surveyors. Additional bat registrations were recorded acoustically but could not be accurately mapped and are therefore not presented.
***For flightlines with no arrow, the direction of flight was not observed. Halo indicates circular flight or foraging.**



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0	15/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

nationalgrid

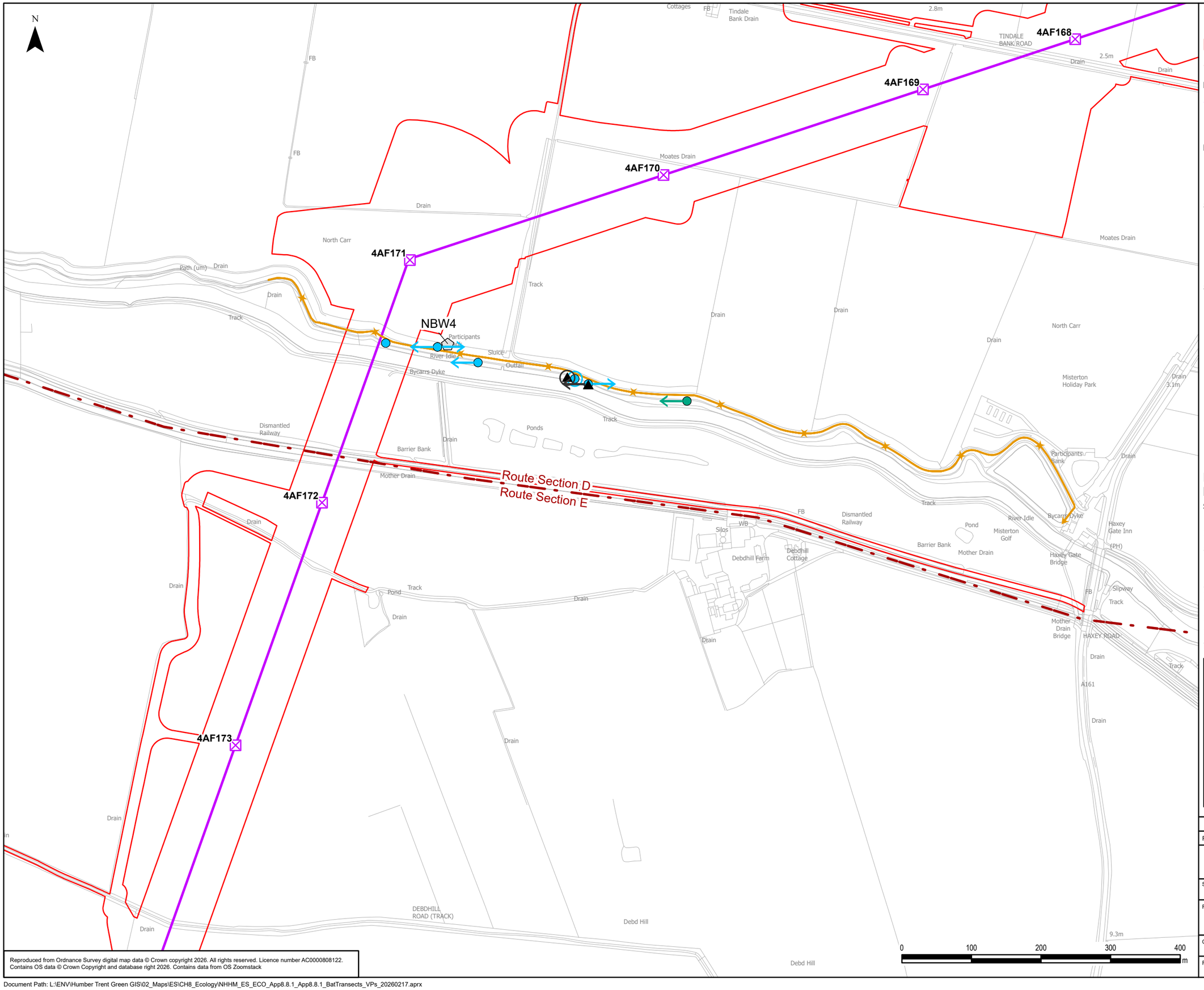
Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER SEPTEMBER & OCTOBER 2025

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.8.1	1:5,000	A3	15 OF 18	0

Document Path: L:\ENV\Humber Trent Green GIS\02_Maps\ES\CH8_Ecology\NHHM_ES_ECO_App8.8.1_App8.8.1_BatTransects_VPs_20260217.aprx



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Legend

- Order Limits
- Route Section

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Night-time Bat Walkover (NBW) Data

- Night-time Bat Walkover Survey Route
- Static Location

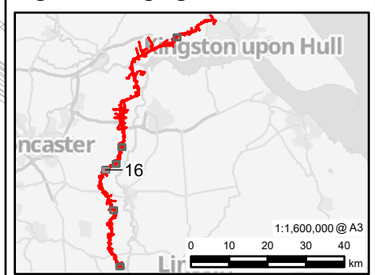
Species

- Common Pipistrelle
- Leisler's Bat
- Noctule

Species Flightline and Direction*

- Common Pipistrelle
- Leisler's Bat
- Noctule

Note: Transect was walked in both directions during the NBW survey.
Figures only show bats visually observed by surveyors.
Additional bat registrations were recorded acoustically but could not be accurately mapped and are therefore not presented.
***For flightlines with no arrow, the direction of flight was not observed. Halo indicates circular flight or foraging.**



Rev	Date	Description	GIS	Chk	App
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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER SEPTEMBER & OCTOBER 2025

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
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N

4AF204

4AF205

NBW5

4AF206

4AF207

4AF208

High Farm

High Farm Cottages

Def

Track

Drain

Wheatley Beck

Oswald Beck

Pond

CS

FB

Grange Farm Cottages

9.9m

Track

LB

Middle Farm

12.5m

11.2m

11.6m

12.8m

12.7m

MP 71.0

MP 0.75

18.4m

13.3m

22.3m

20.4m

20.5m

21.2m

The Crest

0 100 200 300 400 m

Legend

Order Limits

Project Design Details

Indicative New Overhead Line

Indicative New Lattice Pylon

Night-time Bat Walkover (NBW) Data

Night-time Bat Walkover Survey Route

Static Location

Species

Common Pipistrelle

Leisler's Bat

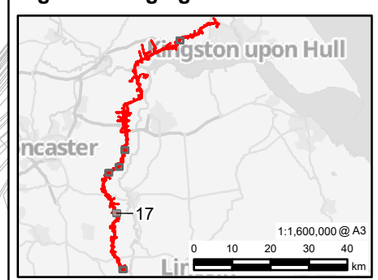
Noctule

Soprano Pipistrelle

Species Flightline and Direction*

Common Pipistrelle

Note:
Figures only show bats visually observed by surveyors. Additional bat registrations were recorded acoustically but could not be accurately mapped and are therefore not presented.
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Rev	Date	Description	GIS	Chk	App
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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER SEPTEMBER & OCTOBER 2025

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.8.1	1:5,000	A3	17 OF 18	0

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N

4AF254
4AF255
4AF256
4AF257
4AF258
4AF259
4AF260
NBW6

11.1m
FAR ROAD
Well
16.4m
CRABTREE LANE
Lay-by
17.2m
CRABTREE LANE (TRACK)
Drain
Station Cottages
17.4m
Station House
Pond
Path
Def
Post
Dismantled Railway
18.7m
MP 0.75
Track
High Marnham Junction
Issues
SP
MP 0.5
20.8m
CRABTREE LANE
Lay-by
SP
20.8m
14.1m
12.6m
POLLY TAYLOR'S
Drain
10.8m
Drain
19.1m
GP
16.9m
ETL
21.2m
19.6m
ETL
17.3m
12.8m
8.7m
18.9m
16.3m
Pond
Fledborough House
Fledborough House Farm
Drain
Drain
ETL

0 100 200 300 400 m

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Legend

- Order Limits

Existing Overhead Line
- 275 kV
- 400 kV

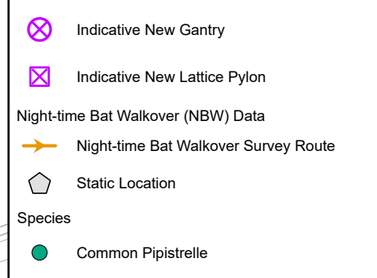
Project Design Details
- Indicative New Overhead Line
- Indicative New Gantry
- Indicative New Lattice Pylon

Night-time Bat Walkover (NBW) Data
- Night-time Bat Walkover Survey Route
- Static Location

Species
- Common Pipistrelle

Species Flightline and Direction*
- Common Pipistrelle

Note:
Figures only show bats visually observed by surveyors. Additional bat registrations were recorded acoustically but could not be accurately mapped and are therefore not presented.
***For flightlines with no arrow, the direction of flight was not observed. Halo indicates circular flight or foraging.**



Rev	Date	Description	GIS	Chk	App
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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - NIGHT-TIME BAT WALKOVER SEPTEMBER & OCTOBER 2025

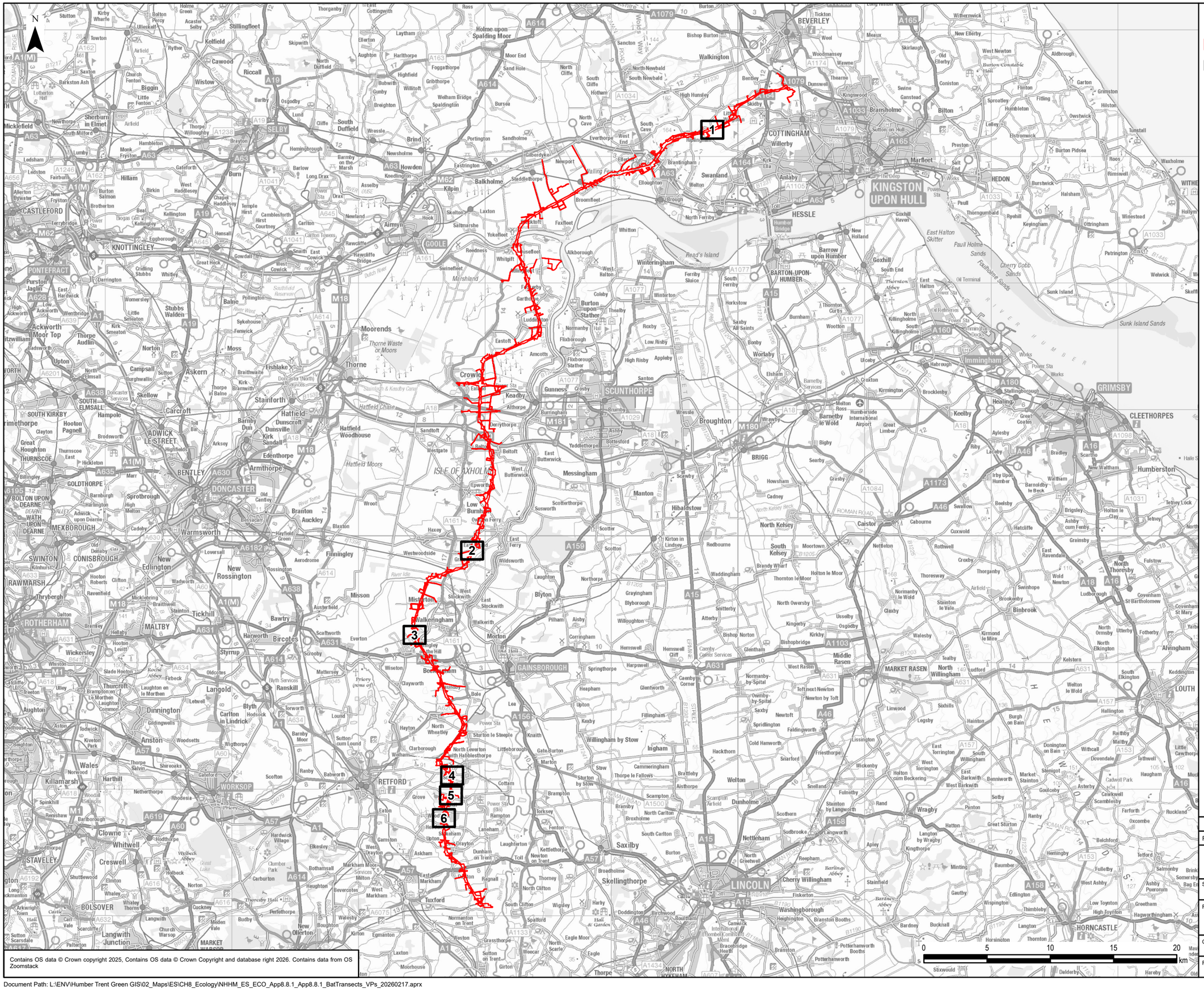
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ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.8.1	1:5,000	A3	18 OF 18	0

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Figure A8.8.2 – Bat Activity Vantage Point Locations

nationalgrid



Legend

- Order Limits
- Map Sheet

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nationalgrid

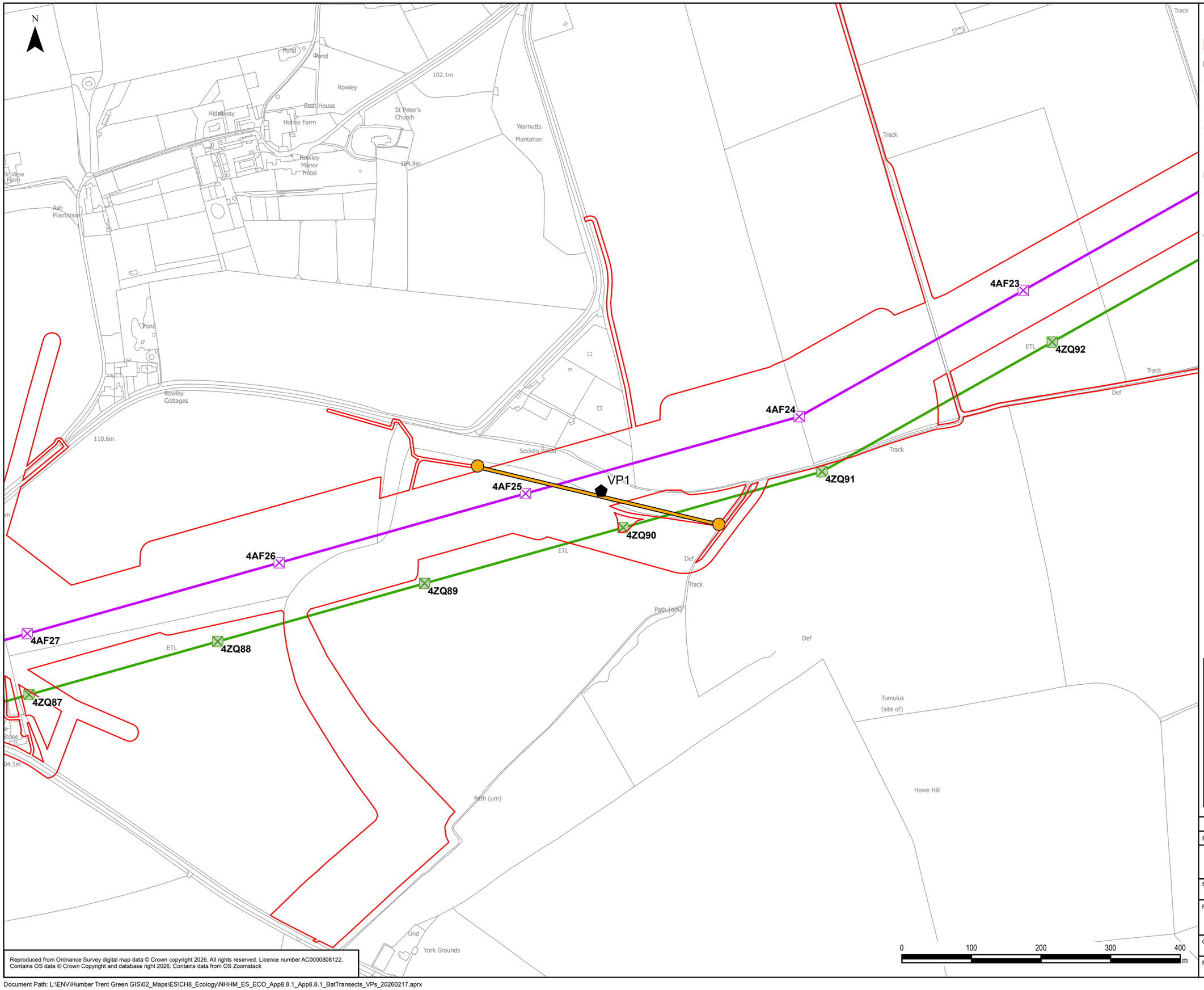
Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 2 - BAT ACTIVITY SURVEY VANTAGE POINT (VP) LOCATIONS KEY PLAN

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	14/10/2026	JG	14/10/2026	NL	14/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
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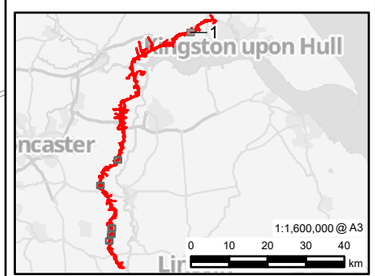
- Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Existing Overhead Line Not Affected
- Existing Lattice Pylon Not Affected

Bat Activity Vantage Point Data

- Surveyor Location
- Static Location
- Vantage Line



Rev	Date	Description	GIS	Chk	App
0	15/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 2 - BAT ACTIVITY SURVEY VANTAGE POINT (VP) LOCATIONS - VP1

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.8.2	1:5,000	A3	1 OF 6	0

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N

Legend

- Order Limits

Existing Overhead Line

- 400 kV

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Bat Activity Vantage Point Data

- Surveyor Location
- Static Location
- Vantage Line

4AF157

4AF158

4AF159

4AF160

VP2

Bracken Hills Farm

CARR LANE

El Sub Sta

The Meadows

Middlewood Leys

Lound Road Drain

Lound Rates Drain

Catherine Syke

Loundrates Farm

Kennels

Silo

Grange Cottages

Catherine Syke Drain

Owston Grange

Doncaster Road Drain

Patrich Drain

OWSTON FERRY ROAD

Warping Drain

Catchwater Drain

Rose Villas

Pond (dry)

TTL

FB

Def

Track

Pond

Drain

3.8m

3.4m

2.7m

2.9m

3.0m

2.4m

0 100 200 300 400 m

1:1,600,000 @ A3

0 10 20 30 40 km

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Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 2 - BAT ACTIVITY SURVEY VANTAGE POINT (VP) LOCATIONS - VP2

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.8.2	1:5,000	A3	2 OF 6	0

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N

4AF183

4AF184

4AF185

4AF186

VP3

Drain
Track
4.6m
Ings Drain
COW DALE LANE
Leys Farm
Def
Pond
Bank
Chester
Ward Bdy
Wooden Beck
Path (um)
17.1m
7.1m
Rose Cottage
Ings Cottage
Chesterfield Canal
Solar Panels
Shaw Bridge
Brick Works (disused)
Shaw Lock Cottage
Shaw Lock
SHAW ROAD
Dunstan Farm
12.9m
21.1m
22.9m
30.1m
17.8m
15.9m
Lowfield Farm
CS
23.2m
21.7m
WALKERINGHAM ROAD
24.9m
GP
Wooden Beck

0 100 200 300 400 m

Legend

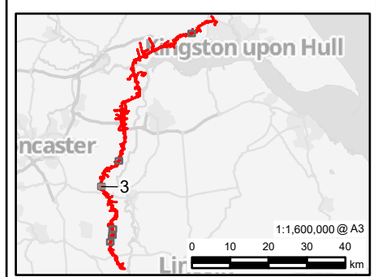
- Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Bat Activity Vantage Point Data

- Surveyor Location
- Static Location
- Vantage Line



Rev	Date	Description	GIS	Chk	App
0	15/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

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Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 2 - BAT ACTIVITY SURVEY VANTAGE POINT (VP) LOCATIONS - VP3

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

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N

4AF222

4AF223

4AF224

4AF225

4AF226

VP4

HOLLOWGATE ROAD (TRACK)

COWSLAND ROAD (TRACK)

MILLFIELD ROAD (TRACK)

RETFORD ROAD

Drain

Track

Pond

Issues

Lee Beck

The Bungalow

Windmill View Plant Centre

Tanks

High View

Coromandel

Chantilly

The Stables

Sheds Farm

Tank

Solar Panels

The Old Police House

Windmill View Cottage

Ivy Cottage

Priory Farm

Sharow

Glebe Cottage

Shantallar

The Camellias

Glebe House

Merryweather Cottage

Lavender Croft

Stables

Priory Cottage

The Priory

Beeches

WINDMILL GROVE

North Lodge

Weatherleys

Allarne

The

FB

Idunno

Cochon D'or

Baileydale

Apple

Quaker House

Cottage

Barn

MEETINGHOUSE LANE

Pond

Fairholme

Whiteways

Burley La

25.8m

33.7m

37.1m

41.7m

42.5m

49.4m

0 100 200 300 400 m

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Legend

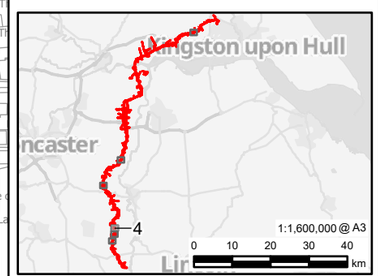
- Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Bat Activity Vantage Point Data

- Surveyor Location
- Static Location
- Vantage Line



Rev.	Date	Description	GIS	Chk	App
0	15/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

nationalgrid

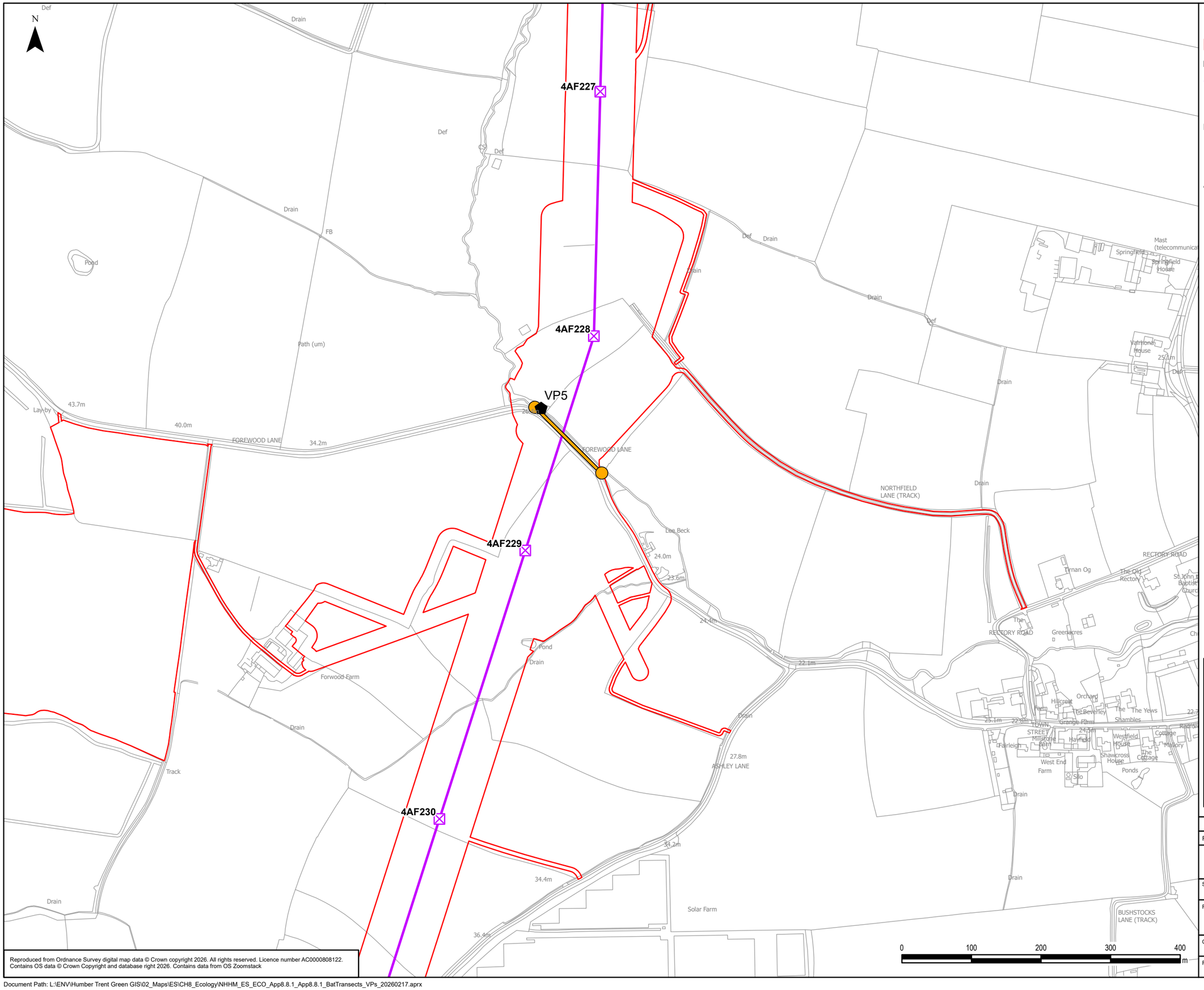
Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 2 - BAT ACTIVITY SURVEY VANTAGE POINT (VP) LOCATIONS - VP4

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
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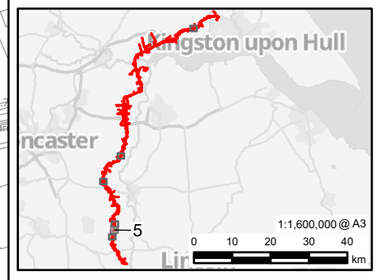
- Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Bat Activity Vantage Point Data

- Surveyor Location
- Static Location
- Vantage Line



Rev	Date	Description	GIS	Chk	App
0	15/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

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Scheme: NORTH HUMBER TO HIGH MARNHAM

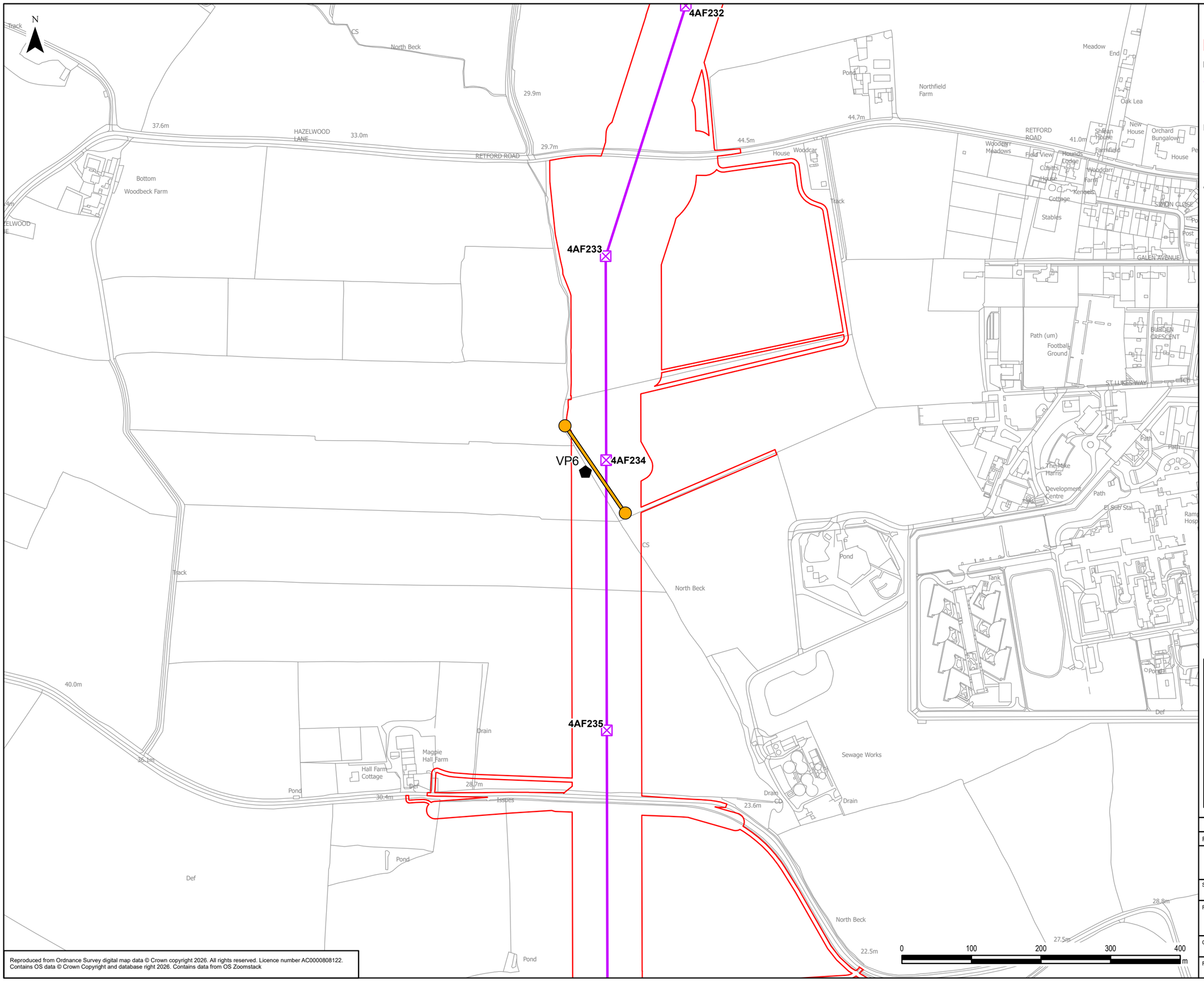
Figure Title: FIGURE 2 - BAT ACTIVITY SURVEY VANTAGE POINT (VP) LOCATIONS - VP5

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

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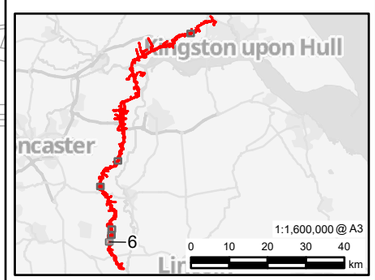
- Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Bat Activity Vantage Point Data

- Surveyor Location
- Static Location
- Vantage Line



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Rev	Date	Description	GIS	Chk	App
0	15/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

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Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 2 - BAT ACTIVITY SURVEY VANTAGE POINT (VP) LOCATIONS - VP6

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	15/10/2026	JG	15/10/2026	NL	15/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
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Annex B Automated Static Bat Detector Survey Results

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Annex B
Automated Static Bat Detector Survey Results

B.1.1 This annex presents the results of the automated static bat detector surveys, including the date, species, number of bat calls and survey month for each location. Locations of the automated static detectors can be found in figures **A8.8.1 Night-time Bat Walkover** and **A8.8.2 Bat Activity Vantage Point Locations**.

Table B.1 – Automated Static Bat Detector Survey Results

Date	Species	Number of bat calls	Survey month	Location
21 April 2025	Brown long-eared bat	1	April	NBW1E
21 April 2025	Myotis	6	April	NBW1E
21 April 2025	Common pipistrelle	300	April	NBW1E
21 April 2025	Soprano pipistrelle	21	April	NBW1E
21 April 2025	Unidentified pipistrelle species	41	April	NBW1E
20 April 2025	Common pipistrelle	186	April	NBW1E
20 April 2025	Soprano pipistrelle	66	April	NBW1E
20 April 2025	Unidentified pipistrelle species	24	April	NBW1E
19 April 2025	Myotis	1	April	NBW1E
19 April 2025	Common pipistrelle	9	April	NBW1E
18 April 2025	Myotis	1	April	NBW1E
18 April 2025	Soprano pipistrelle	1	April	NBW1E
17 April 2025	Noctule	1	April	NBW1E
11 May 2025	Myotis	2	May	NBW1E
11 May 2025	Common pipistrelle	13	May	NBW1E
10 May 2025	Myotis	3	May	NBW1E
10 May 2025	Noctule	1	May	NBW1E
10 May 2025	Common pipistrelle	24	May	NBW1E
09 May 2025	Myotis	1	May	NBW1E
09 May 2025	Common pipistrelle	33	May	NBW1E
08 May 2025	Common pipistrelle	40	May	NBW1E
07 May 2025	Myotis	1	May	NBW1E

Date	Species	Number of bat calls	Survey month	Location
07 May 2025	Common pipistrelle	36	May	NBW1E
07 May 2025	Soprano pipistrelle	1	May	NBW1E
08 June 2025	Myotis	1	June	NBW1E
08 June 2025	Common pipistrelle	16	June	NBW1E
07 June 2025	Common pipistrelle	4	June	NBW1E
06 June 2025	Common pipistrelle	1	June	NBW1E
04 June 2025	Common pipistrelle	50	June	NBW1E
04 June 2025	Soprano pipistrelle	9	June	NBW1E
07 July 2025	Noctule	1	July	NBW1E
07 July 2025	Common pipistrelle	1	July	NBW1E
06 July 2025	Common pipistrelle	73	July	NBW1E
06 July 2025	Soprano pipistrelle	21	July	NBW1E
05 July 2025	Myotis	1	July	NBW1E
05 July 2025	Noctule	1	July	NBW1E
05 July 2025	Common pipistrelle	16	July	NBW1E
05 July 2025	Soprano pipistrelle	1	July	NBW1E
05 July 2025	Brown long-eared bat	1	July	NBW1E
04 July 2025	Common pipistrelle	4	July	NBW1E
03 July 2025	Myotis	2	July	NBW1E
03 July 2025	Common pipistrelle	12	July	NBW1E
03 July 2025	Soprano pipistrelle	7	July	NBW1E
06 August 2025	Myotis	10	August	NBW1E
06 August 2025	Noctule	5	August	NBW1E
06 August 2025	Common pipistrelle	99	August	NBW1E
06 August 2025	Soprano pipistrelle	16	August	NBW1E
06 August 2025	Brown long-eared bat	1	August	NBW1E
05 August 2025	Common pipistrelle	5	August	NBW1E
05 August 2025	Soprano pipistrelle	1	August	NBW1E
04 August 2025	Common pipistrelle	1	August	NBW1E

Date	Species	Number of bat calls	Survey month	Location
03 August 2025	Myotis	2	August	NBW1E
03 August 2025	Common pipistrelle	38	August	NBW1E
03 August 2025	Soprano pipistrelle	6	August	NBW1E
02 August 2025	Myotis	2	August	NBW1E
02 August 2025	Common pipistrelle	15	August	NBW1E
02 August 2025	Soprano pipistrelle	1	August	NBW1E
01 August 2025	Common pipistrelle	9	August	NBW1E
01 August 2025	Soprano pipistrelle	1	August	NBW1E
17 April 2025	Common pipistrelle	1	April	NBW1W
19 April 2025	Myotis	2	April	NBW1W
21 April 2025	Soprano pipistrelle	7	April	NBW1W
07 May 2025	Myotis	1	May	NBW1W
07 May 2025	Common pipistrelle	36	May	NBW1W
07 May 2025	Soprano pipistrelle	1	May	NBW1W
08 May 2025	Common pipistrelle	40	May	NBW1W
09 May 2025	Myotis	1	May	NBW1W
09 May 2025	Common pipistrelle	33	May	NBW1W
10 May 2025	Myotis	3	May	NBW1W
10 May 2025	Noctule	1	May	NBW1W
10 May 2025	Common pipistrelle	24	May	NBW1W
11 May 2025	Myotis	2	May	NBW1W
11 May 2025	Common pipistrelle	13	May	NBW1W
04 June 2025	Myotis	11	June	NBW1W
04 June 2025	Leisler's bat	1	June	NBW1W
04 June 2025	Common pipistrelle	152	June	NBW1W
04 June 2025	Soprano pipistrelle	56	June	NBW1W
04 June 2025	Brown long-eared bat	2	June	NBW1W
05 June 2025	Myotis	12	June	NBW1W
05 June 2025	Myotis	1	June	NBW1W

Date	Species	Number of bat calls	Survey month	Location
05 June 2025	Noctule	1	June	NBW1W
05 June 2025	Common pipistrelle	350	June	NBW1W
05 June 2025	Soprano pipistrelle	55	June	NBW1W
05 June 2025	Brown long-eared bat	1	June	NBW1W
05 June 2025	Brown long-eared bat	1	June	NBW1W
06 June 2025	Myotis	13	June	NBW1W
06 June 2025	Myotis	1	June	NBW1W
06 June 2025	Common pipistrelle	398	June	NBW1W
06 June 2025	Soprano pipistrelle	25	June	NBW1W
07 June 2025	Myotis	8	June	NBW1W
07 June 2025	Myotis	3	June	NBW1W
07 June 2025	Common pipistrelle	560	June	NBW1W
07 June 2025	Soprano pipistrelle	63	June	NBW1W
08 June 2025	Myotis	12	June	NBW1W
08 June 2025	Myotis	3	June	NBW1W
08 June 2025	Noctule	1	June	NBW1W
08 June 2025	Common pipistrelle	426	June	NBW1W
08 June 2025	Soprano pipistrelle	31	June	NBW1W
08 June 2025	Brown long-eared bat	5	June	NBW1W
04 July 2025	Myotis	4	July	NBW1W
04 July 2025	Leisler's bat	1	July	NBW1W
04 July 2025	Common pipistrelle	419	July	NBW1W
04 July 2025	Soprano pipistrelle	154	July	NBW1W
04 July 2025	Brown long-eared bat	1	July	NBW1W
05 July 2025	Myotis	4	July	NBW1W
05 July 2025	Noctule	6	July	NBW1W
05 July 2025	Common pipistrelle	298	July	NBW1W
05 July 2025	Soprano pipistrelle	47	July	NBW1W
05 July 2025	Unidentified pipistrelle species	4	July	NBW1W

Date	Species	Number of bat calls	Survey month	Location
05 July 2025	Brown long-eared bat	2	July	NBW1W
05 July 2025	Brown long-eared bat	2	July	NBW1W
06 July 2025	Myotis	6	July	NBW1W
06 July 2025	Noctule	1	July	NBW1W
06 July 2025	Leisler's bat	1	July	NBW1W
06 July 2025	Common pipistrelle	368	July	NBW1W
06 July 2025	Soprano pipistrelle	100	July	NBW1W
06 July 2025	Unidentified pipistrelle species	30	July	NBW1W
06 July 2025	Brown long-eared bat	1	July	NBW1W
07 July 2025	Myotis	1	July	NBW1W
07 July 2025	Common pipistrelle	503	July	NBW1W
07 July 2025	Soprano pipistrelle	259	July	NBW1W
07 July 2025	Brown long-eared bat	1	July	NBW1W
08 July 2025	Myotis	11	July	NBW1W
08 July 2025	Noctule	2	July	NBW1W
08 July 2025	Common pipistrelle	559	July	NBW1W
08 July 2025	Soprano pipistrelle	191	July	NBW1W
08 July 2025	Unidentified pipistrelle species	9	July	NBW1W
08 July 2025	Brown long-eared bat	1	July	NBW1W
01 August 2025	Myotis	23	August	NBW1W
01 August 2025	Myotis	1	August	NBW1W
01 August 2025	Noctule	2	August	NBW1W
01 August 2025	Common pipistrelle	514	August	NBW1W
01 August 2025	Soprano pipistrelle	143	August	NBW1W
01 August 2025	Unidentified pipistrelle species	2	August	NBW1W
02 August 2025	Myotis	32	August	NBW1W
02 August 2025	Myotis	1	August	NBW1W
02 August 2025	Leisler's bat	1	August	NBW1W
02 August 2025	Common pipistrelle	614	August	NBW1W

Date	Species	Number of bat calls	Survey month	Location
02 August 2025	Soprano pipistrelle	261	August	NBW1W
02 August 2025	Unidentified pipistrelle species	3	August	NBW1W
03 August 2025	Myotis	19	August	NBW1W
03 August 2025	Myotis	3	August	NBW1W
03 August 2025	Noctule	2	August	NBW1W
03 August 2025	Common pipistrelle	359	August	NBW1W
03 August 2025	Soprano pipistrelle	175	August	NBW1W
03 August 2025	Unidentified pipistrelle species	13	August	NBW1W
03 August 2025	Brown long-eared bat	1	August	NBW1W
04 August 2025	Myotis	24	August	NBW1W
04 August 2025	Myotis	1	August	NBW1W
04 August 2025	Noctule	2	August	NBW1W
04 August 2025	Common pipistrelle	497	August	NBW1W
04 August 2025	Soprano pipistrelle	194	August	NBW1W
04 August 2025	Unidentified pipistrelle species	1	August	NBW1W
05 August 2025	Myotis	27	August	NBW1W
05 August 2025	Common pipistrelle	526	August	NBW1W
05 August 2025	Soprano pipistrelle	104	August	NBW1W
05 August 2025	Brown long-eared bat	1	August	NBW1W
05 August 2025	Brown long-eared bat	2	August	NBW1W
06 August 2025	Myotis	17	August	NBW1W
06 August 2025	Noctule	2	August	NBW1W
06 August 2025	Leisler's bat	1	August	NBW1W
06 August 2025	Common pipistrelle	333	August	NBW1W
06 August 2025	Soprano pipistrelle	72	August	NBW1W
06 August 2025	Unidentified pipistrelle species	4	August	NBW1W
06 August 2025	Brown long-eared bat	1	August	NBW1W
04 September 2025	Myotis	7	September	NBW1W
04 September 2025	Noctule	3	September	NBW1W

Date	Species	Number of bat calls	Survey month	Location
04 September 2025	Noctule	1	September	NBW1W
04 September 2025	Common pipistrelle	3	September	NBW1W
04 September 2025	Soprano pipistrelle	23	September	NBW1W
04 September 2025	Brown long-eared bat	1	September	NBW1W
05 September 2025	Myotis	35	September	NBW1W
05 September 2025	Myotis	1	September	NBW1W
05 September 2025	Noctule	3	September	NBW1W
05 September 2025	Common pipistrelle	14	September	NBW1W
05 September 2025	Soprano pipistrelle	165	September	NBW1W
05 September 2025	Unidentified pipistrelle species	16	September	NBW1W
05 September 2025	Brown long-eared bat	1	September	NBW1W
05 September 2025	Brown long-eared bat	1	September	NBW1W
06 September 2025	Myotis	230	September	NBW1W
06 September 2025	Myotis	54	September	NBW1W
06 September 2025	Noctule	3	September	NBW1W
06 September 2025	Common pipistrelle	575	September	NBW1W
06 September 2025	Soprano pipistrelle	294	September	NBW1W
06 September 2025	Unidentified pipistrelle species	124	September	NBW1W
06 September 2025	Brown long-eared bat	1	September	NBW1W
06 September 2025	Brown long-eared bat	1	September	NBW1W
07 September 2025	Myotis	82	September	NBW1W
07 September 2025	Myotis	11	September	NBW1W
07 September 2025	Noctule	2	September	NBW1W
07 September 2025	Common pipistrelle	173	September	NBW1W
07 September 2025	Soprano pipistrelle	119	September	NBW1W
07 September 2025	Unidentified pipistrelle species	56	September	NBW1W
07 September 2025	Brown long-eared bat	1	September	NBW1W
08 September 2025	Myotis	37	September	NBW1W
08 September 2025	Myotis	5	September	NBW1W

Date	Species	Number of bat calls	Survey month	Location
08 September 2025	Common pipistrelle	15	September	NBW1W
08 September 2025	Soprano pipistrelle	95	September	NBW1W
08 September 2025	Unidentified pipistrelle species	19	September	NBW1W
08 September 2025	Brown long-eared bat	1	September	NBW1W
02 October 2025	Myotis	11	October	NBW1W
02 October 2025	Noctule	2	October	NBW1W
02 October 2025	Common pipistrelle	918	October	NBW1W
02 October 2025	Soprano pipistrelle	36	October	NBW1W
02 October 2025	Unidentified pipistrelle species	5	October	NBW1W
03 October 2025	Myotis	2	October	NBW1W
03 October 2025	Myotis	1	October	NBW1W
03 October 2025	Common pipistrelle	475	October	NBW1W
03 October 2025	Soprano pipistrelle	149	October	NBW1W
03 October 2025	Brown long-eared bat	1	October	NBW1W
04 October 2025	Myotis	1	October	NBW1W
04 October 2025	Common pipistrelle	17	October	NBW1W
04 October 2025	Soprano pipistrelle	165	October	NBW1W
05 October 2025	Myotis	37	October	NBW1W
05 October 2025	Myotis	1	October	NBW1W
05 October 2025	Noctule	1	October	NBW1W
05 October 2025	Common pipistrelle	179	October	NBW1W
05 October 2025	Soprano pipistrelle	402	October	NBW1W
06 October 2025	Myotis	30	October	NBW1W
06 October 2025	Noctule	6	October	NBW1W
06 October 2025	Common pipistrelle	506	October	NBW1W
06 October 2025	Soprano pipistrelle	216	October	NBW1W
06 October 2025	Unidentified pipistrelle species	1	October	NBW1W
17 April 2025	Common pipistrelle	3	April	NBW2
18 April 2025	Noctule	4	April	NBW2

Date	Species	Number of bat calls	Survey month	Location
20 April 2025	Noctule	1	April	NBW2
20 April 2025	Common pipistrelle	1	April	NBW2
21 April 2025	Myotis	2	April	NBW2
22 April 2025	Noctule	1	April	NBW2
22 April 2025	Common pipistrelle	4	April	NBW2
23 April 2025	Noctule	1	April	NBW2
23 April 2025	Common pipistrelle	1	April	NBW2
04 June 2025	Common pipistrelle	11	June	NBW2
06 June 2025	Myotis	1	June	NBW2
06 June 2025	Common pipistrelle	5	June	NBW2
06 June 2025	Brown long-eared bat	1	June	NBW2
07 June 2025	Myotis	1	June	NBW2
07 June 2025	Common pipistrelle	5	June	NBW2
08 June 2025	Common pipistrelle	18	June	NBW2
03 July 2025	Noctule	2	July	NBW2
03 July 2025	Common pipistrelle	56	July	NBW2
03 July 2025	Brown long-eared bat	1	July	NBW2
04 July 2025	Myotis	1	July	NBW2
04 July 2025	Common pipistrelle	345	July	NBW2
05 July 2025	Common pipistrelle	182	July	NBW2
02 August 2025	Myotis	2	August	NBW2
02 August 2025	Common pipistrelle	66	August	NBW2
02 August 2025	Brown long-eared bat	4	August	NBW2
03 August 2025	Myotis	5	August	NBW2
03 August 2025	Noctule	1	August	NBW2
03 August 2025	Common pipistrelle	189	August	NBW2
03 August 2025	Soprano pipistrelle	3	August	NBW2
03 August 2025	Brown long-eared bat	2	August	NBW2
04 August 2025	Myotis	2	August	NBW2

Date	Species	Number of bat calls	Survey month	Location
04 August 2025	Common pipistrelle	65	August	NBW2
04 August 2025	Brown long-eared bat	1	August	NBW2
05 August 2025	Myotis	1	August	NBW2
05 August 2025	Common pipistrelle	131	August	NBW2
06 August 2025	Myotis	4	August	NBW2
06 August 2025	Noctule	4	August	NBW2
06 August 2025	Common pipistrelle	37	August	NBW2
06 August 2025	Soprano pipistrelle	5	August	NBW2
04 September 2025	Myotis	2	September	NBW2
04 September 2025	Noctule	1	September	NBW2
04 September 2025	Brown long-eared bat	1	September	NBW2
05 September 2025	Myotis	2	September	NBW2
05 September 2025	Common pipistrelle	8	September	NBW2
06 September 2025	Common pipistrelle	1	September	NBW2
01 October 2025	Myotis	2	October	NBW2
01 October 2025	Common pipistrelle	11	October	NBW2
02 October 2025	Myotis	1	October	NBW2
02 October 2025	Common pipistrelle	3	October	NBW2
03 October 2025	Common pipistrelle	4	October	NBW2
04 October 2025	Common pipistrelle	124	October	NBW2
05 October 2025	Myotis	2	October	NBW2
05 October 2025	Common pipistrelle	213	October	NBW2
18 April 2025	Myotis	1	April	NBW3
19 April 2025	Common pipistrelle	123	April	NBW3
19 April 2025	Soprano pipistrelle	1	April	NBW3
20 April 2025	Noctule	5	April	NBW3
20 April 2025	Common pipistrelle	84	April	NBW3
20 April 2025	Soprano pipistrelle	18	April	NBW3
21 April 2025	Noctule	3	April	NBW3

Date	Species	Number of bat calls	Survey month	Location
21 April 2025	Common pipistrelle	31	April	NBW3
22 April 2025	Noctule	1	April	NBW3
22 April 2025	Common pipistrelle	67	April	NBW3
22 April 2025	Soprano pipistrelle	11	April	NBW3
23 April 2025	Myotis	1	April	NBW3
23 April 2025	Noctule	34	April	NBW3
23 April 2025	Common pipistrelle	182	April	NBW3
23 April 2025	Soprano pipistrelle	11	April	NBW3
14 May 2025	Noctule	4	May	NBW3
14 May 2025	Common pipistrelle	553	May	NBW3
14 May 2025	Soprano pipistrelle	1	May	NBW3
15 May 2025	Myotis	1	May	NBW3
15 May 2025	Noctule	29	May	NBW3
15 May 2025	Common pipistrelle	1408	May	NBW3
15 May 2025	Soprano pipistrelle	24	May	NBW3
15 May 2025	Brown long-eared bat	1	May	NBW3
16 May 2025	Noctule	47	May	NBW3
16 May 2025	Common pipistrelle	1577	May	NBW3
16 May 2025	Soprano pipistrelle	17	May	NBW3
17 May 2025	Myotis	2	May	NBW3
17 May 2025	Myotis	1	May	NBW3
17 May 2025	Noctule	28	May	NBW3
17 May 2025	Common pipistrelle	1092	May	NBW3
17 May 2025	Soprano pipistrelle	192	May	NBW3
18 May 2025	Noctule	86	May	NBW3
18 May 2025	Noctule	1	May	NBW3
18 May 2025	Common pipistrelle	1406	May	NBW3
18 May 2025	Soprano pipistrelle	374	May	NBW3
18 May 2025	Brown long-eared bat	1	May	NBW3

Date	Species	Number of bat calls	Survey month	Location
11 June 2025	Myotis	25	June	NBW3
11 June 2025	Myotis	2	June	NBW3
11 June 2025	Noctule	131	June	NBW3
11 June 2025	Leisler's bat	3	June	NBW3
11 June 2025	Noctule	1	June	NBW3
11 June 2025	Common pipistrelle	118	June	NBW3
11 June 2025	Soprano pipistrelle	3	June	NBW3
12 June 2025	Myotis	60	June	NBW3
12 June 2025	Noctule	118	June	NBW3
12 June 2025	Noctule	1	June	NBW3
12 June 2025	Common pipistrelle	65	June	NBW3
12 June 2025	Soprano pipistrelle	3	June	NBW3
13 June 2025	Myotis	72	June	NBW3
13 June 2025	Noctule	43	June	NBW3
13 June 2025	Common pipistrelle	132	June	NBW3
13 June 2025	Soprano pipistrelle	26	June	NBW3
14 June 2025	Myotis	29	June	NBW3
14 June 2025	Noctule	86	June	NBW3
14 June 2025	Common pipistrelle	27	June	NBW3
15 June 2025	Myotis	12	June	NBW3
15 June 2025	Noctule	24	June	NBW3
15 June 2025	Common pipistrelle	46	June	NBW3
15 June 2025	Soprano pipistrelle	1	June	NBW3
10 July 2025	Myotis	3	July	NBW3
10 July 2025	Noctule	72	July	NBW3
10 July 2025	Common pipistrelle	35	July	NBW3
11 July 2025	Myotis	1	July	NBW3
11 July 2025	Noctule	8	July	NBW3
11 July 2025	Common pipistrelle	94	July	NBW3

Date	Species	Number of bat calls	Survey month	Location
11 July 2025	Soprano pipistrelle	3	July	NBW3
12 July 2025	Myotis	2	July	NBW3
12 July 2025	Noctule	13	July	NBW3
12 July 2025	Common pipistrelle	88	July	NBW3
12 July 2025	Soprano pipistrelle	14	July	NBW3
13 July 2025	Myotis	1	July	NBW3
13 July 2025	Noctule	18	July	NBW3
13 July 2025	Common pipistrelle	46	July	NBW3
13 July 2025	Soprano pipistrelle	14	July	NBW3
14 July 2025	Myotis	4	July	NBW3
14 July 2025	Noctule	2	July	NBW3
14 July 2025	Common pipistrelle	27	July	NBW3
14 July 2025	Soprano pipistrelle	3	July	NBW3
09 August 2025	Myotis	3	August	NBW3
09 August 2025	Noctule	1	August	NBW3
09 August 2025	Leisler's bat	1	August	NBW3
09 August 2025	Common pipistrelle	32	August	NBW3
09 August 2025	Soprano pipistrelle	17	August	NBW3
09 August 2025	Brown long-eared bat	1	August	NBW3
09 August 2025	Brown long-eared bat	1	August	NBW3
10 August 2025	Myotis	6	August	NBW3
10 August 2025	Noctule	14	August	NBW3
10 August 2025	Leisler's bat	1	August	NBW3
10 August 2025	Common pipistrelle	100	August	NBW3
10 August 2025	Soprano pipistrelle	7	August	NBW3
10 August 2025	Soprano pipistrelle	1	August	NBW3
10 August 2025	Brown long-eared bat	1	August	NBW3
11 August 2025	Myotis	12	August	NBW3
11 August 2025	Noctule	14	August	NBW3

Date	Species	Number of bat calls	Survey month	Location
11 August 2025	Leisler's bat	3	August	NBW3
11 August 2025	Common pipistrelle	52	August	NBW3
11 August 2025	Soprano pipistrelle	18	August	NBW3
12 August 2025	Myotis	4	August	NBW3
12 August 2025	Noctule	4	August	NBW3
12 August 2025	Common pipistrelle	112	August	NBW3
12 August 2025	Soprano pipistrelle	11	August	NBW3
13 August 2025	Myotis	4	August	NBW3
13 August 2025	Noctule	41	August	NBW3
13 August 2025	Leisler's bat	5	August	NBW3
13 August 2025	Common pipistrelle	73	August	NBW3
13 August 2025	Soprano pipistrelle	11	August	NBW3
12 September 2025	Myotis	33	September	NBW3
12 September 2025	Noctule	4	September	NBW3
12 September 2025	Common pipistrelle	13	September	NBW3
12 September 2025	Soprano pipistrelle	7	September	NBW3
13 September 2025	Myotis	22	September	NBW3
13 September 2025	Noctule	3	September	NBW3
13 September 2025	Common pipistrelle	9	September	NBW3
13 September 2025	Soprano pipistrelle	9	September	NBW3
14 September 2025	Myotis	13	September	NBW3
14 September 2025	Leisler's bat	2	September	NBW3
14 September 2025	Common pipistrelle	14	September	NBW3
14 September 2025	Soprano pipistrelle	3	September	NBW3
15 September 2025	Myotis	6	September	NBW3
15 September 2025	Common pipistrelle	5	September	NBW3
15 September 2025	Soprano pipistrelle	1	September	NBW3
16 September 2025	Myotis	47	September	NBW3
16 September 2025	Noctule	1	September	NBW3

Date	Species	Number of bat calls	Survey month	Location
16 September 2025	Common pipistrelle	7	September	NBW3
16 September 2025	Soprano pipistrelle	5	September	NBW3
09 October 2025	Myotis	1	October	NBW3
09 October 2025	Noctule	1	October	NBW3
09 October 2025	Common pipistrelle	92	October	NBW3
09 October 2025	Soprano pipistrelle	36	October	NBW3
10 October 2025	Myotis	3	October	NBW3
10 October 2025	Common pipistrelle	142	October	NBW3
10 October 2025	Soprano pipistrelle	13	October	NBW3
11 October 2025	Myotis	4	October	NBW3
11 October 2025	Noctule	6	October	NBW3
11 October 2025	Common pipistrelle	83	October	NBW3
11 October 2025	Soprano pipistrelle	16	October	NBW3
12 October 2025	Myotis	4	October	NBW3
12 October 2025	Noctule	2	October	NBW3
12 October 2025	Common pipistrelle	206	October	NBW3
12 October 2025	Soprano pipistrelle	24	October	NBW3
13 October 2025	Noctule	3	October	NBW3
13 October 2025	Common pipistrelle	229	October	NBW3
13 October 2025	Soprano pipistrelle	33	October	NBW3
18 April 2025	Myotis	2	April	NBW4
18 April 2025	Noctule	1	April	NBW4
18 April 2025	Common pipistrelle	17	April	NBW4
18 April 2025	Soprano pipistrelle	2	April	NBW4
18 April 2025	Brown long-eared bat	10	April	NBW4
19 April 2025	Noctule	2	April	NBW4
19 April 2025	Common pipistrelle	5	April	NBW4
20 April 2025	Myotis	3	April	NBW4
20 April 2025	Noctule	2	April	NBW4

Date	Species	Number of bat calls	Survey month	Location
20 April 2025	Common pipistrelle	7	April	NBW4
20 April 2025	Soprano pipistrelle	1	April	NBW4
20 April 2025	Brown long-eared bat	2	April	NBW4
21 April 2025	Myotis	5	April	NBW4
21 April 2025	Noctule	1	April	NBW4
21 April 2025	Common pipistrelle	19	April	NBW4
21 April 2025	Brown long-eared bat	2	April	NBW4
22 April 2025	Myotis	7	April	NBW4
22 April 2025	Noctule	8	April	NBW4
22 April 2025	Common pipistrelle	35	April	NBW4
22 April 2025	Soprano pipistrelle	3	April	NBW4
22 April 2025	Brown long-eared bat	2	April	NBW4
22 April 2025	Unknown pipistrellus sp.	1	April	NBW4
23 April 2025	Myotis	5	April	NBW4
23 April 2025	Noctule	3	April	NBW4
23 April 2025	Common pipistrelle	139	April	NBW4
23 April 2025	Soprano pipistrelle	2	April	NBW4
23 April 2025	Brown long-eared bat	4	April	NBW4
23 April 2025	Unknown pipistrellus sp.	1	April	NBW4
11 June 2025	Noctule	1	June	NBW4
13 June 2025	Noctule	3	June	NBW4
14 June 2025	Noctule	3	June	NBW4
11 July 2025	Myotis	2	July	NBW4
11 July 2025	Leisler's bat	1	July	NBW4
11 July 2025	Noctule	1	July	NBW4
11 July 2025	Common pipistrelle	565	July	NBW4
11 July 2025	Soprano pipistrelle	9	July	NBW4
12 July 2025	Myotis	1	July	NBW4
12 July 2025	Myotis	1	July	NBW4

Date	Species	Number of bat calls	Survey month	Location
12 July 2025	Noctule	1	July	NBW4
12 July 2025	Common pipistrelle	707	July	NBW4
12 July 2025	Soprano pipistrelle	171	July	NBW4
12 July 2025	Brown long-eared bat	2	July	NBW4
13 July 2025	Myotis	1	July	NBW4
13 July 2025	Myotis	1	July	NBW4
13 July 2025	Noctule	4	July	NBW4
13 July 2025	Common pipistrelle	264	July	NBW4
13 July 2025	Soprano pipistrelle	24	July	NBW4
14 July 2025	Myotis	1	July	NBW4
14 July 2025	Myotis	1	July	NBW4
14 July 2025	Noctule	3	July	NBW4
14 July 2025	Common pipistrelle	529	July	NBW4
14 July 2025	Soprano pipistrelle	5	July	NBW4
14 July 2025	Unidentified pipistrelle species	1	July	NBW4
14 July 2025	Brown long-eared bat	1	July	NBW4
15 July 2025	Myotis	1	July	NBW4
15 July 2025	Common pipistrelle	585	July	NBW4
15 July 2025	Soprano pipistrelle	83	July	NBW4
15 July 2025	Unidentified pipistrelle species	1	July	NBW4
09 August 2025	Myotis	92	August	NBW4
09 August 2025	Myotis	13	August	NBW4
09 August 2025	Noctule	1	August	NBW4
09 August 2025	Common pipistrelle	633	August	NBW4
09 August 2025	Soprano pipistrelle	75	August	NBW4
09 August 2025	Unidentified pipistrelle species	1	August	NBW4
09 August 2025	Brown long-eared bat	2	August	NBW4
10 August 2025	Myotis	123	August	NBW4
10 August 2025	Myotis	10	August	NBW4

Date	Species	Number of bat calls	Survey month	Location
10 August 2025	Noctule	9	August	NBW4
10 August 2025	Noctule	2	August	NBW4
10 August 2025	Common pipistrelle	653	August	NBW4
10 August 2025	Soprano pipistrelle	23	August	NBW4
11 August 2025	Myotis	81	August	NBW4
11 August 2025	Myotis	8	August	NBW4
11 August 2025	Noctule	8	August	NBW4
11 August 2025	Common pipistrelle	695	August	NBW4
11 August 2025	Soprano pipistrelle	21	August	NBW4
11 August 2025	Unidentified pipistrelle species	1	August	NBW4
11 August 2025	Brown long-eared bat	1	August	NBW4
12 August 2025	Myotis	39	August	NBW4
12 August 2025	Myotis	5	August	NBW4
12 August 2025	Noctule	10	August	NBW4
12 August 2025	Common pipistrelle	299	August	NBW4
12 August 2025	Soprano pipistrelle	19	August	NBW4
12 August 2025	Brown long-eared bat	2	August	NBW4
12 August 2025	Brown long-eared bat	2	August	NBW4
13 August 2025	Myotis	47	August	NBW4
13 August 2025	Myotis	4	August	NBW4
13 August 2025	Noctule	18	August	NBW4
13 August 2025	Common pipistrelle	447	August	NBW4
13 August 2025	Soprano pipistrelle	16	August	NBW4
13 August 2025	Unidentified pipistrelle species	2	August	NBW4
13 August 2025	Brown long-eared bat	2	August	NBW4
25 September 2025	Myotis	44	September	NBW4
25 September 2025	Myotis	4	September	NBW4
25 September 2025	Noctule	33	September	NBW4
25 September 2025	Noctule	1	September	NBW4

Date	Species	Number of bat calls	Survey month	Location
25 September 2025	Common pipistrelle	258	September	NBW4
25 September 2025	Soprano pipistrelle	235	September	NBW4
25 September 2025	Brown long-eared bat	1	September	NBW4
26 September 2025	Myotis	18	September	NBW4
26 September 2025	Noctule	125	September	NBW4
26 September 2025	Noctule	3	September	NBW4
26 September 2025	Common pipistrelle	88	September	NBW4
26 September 2025	Soprano pipistrelle	87	September	NBW4
27 September 2025	Myotis	12	September	NBW4
27 September 2025	Noctule	21	September	NBW4
27 September 2025	Common pipistrelle	629	September	NBW4
27 September 2025	Soprano pipistrelle	49	September	NBW4
27 September 2025	Unidentified pipistrelle species	2	September	NBW4
27 September 2025	Brown long-eared bat	1	September	NBW4
28 September 2025	Myotis	13	September	NBW4
28 September 2025	Noctule	8	September	NBW4
28 September 2025	Common pipistrelle	141	September	NBW4
28 September 2025	Soprano pipistrelle	56	September	NBW4
29 September 2025	Myotis	51	September	NBW4
29 September 2025	Noctule	30	September	NBW4
29 September 2025	Noctule	1	September	NBW4
29 September 2025	Common pipistrelle	183	September	NBW4
29 September 2025	Soprano pipistrelle	101	September	NBW4
29 September 2025	Brown long-eared bat	1	September	NBW4
02 October 2025	Myotis	16	October	NBW4
02 October 2025	Noctule	2	October	NBW4
02 October 2025	Noctule	1	October	NBW4
02 October 2025	Common pipistrelle	104	October	NBW4
02 October 2025	Soprano pipistrelle	27	October	NBW4

Date	Species	Number of bat calls	Survey month	Location
02 October 2025	Unidentified pipistrelle species	8	October	NBW4
02 October 2025	Brown long-eared bat	1	October	NBW4
03 October 2025	Common pipistrelle	61	October	NBW4
03 October 2025	Soprano pipistrelle	5	October	NBW4
03 October 2025	Unidentified pipistrelle species	1	October	NBW4
04 October 2025	Noctule	1	October	NBW4
04 October 2025	Common pipistrelle	8	October	NBW4
04 October 2025	Soprano pipistrelle	45	October	NBW4
05 October 2025	Myotis	95	October	NBW4
05 October 2025	Myotis	6	October	NBW4
05 October 2025	Noctule	100	October	NBW4
05 October 2025	Leisler's bat	2	October	NBW4
05 October 2025	Noctule	4	October	NBW4
05 October 2025	Common pipistrelle	521	October	NBW4
05 October 2025	Soprano pipistrelle	61	October	NBW4
06 October 2025	Myotis	38	October	NBW4
06 October 2025	Myotis	12	October	NBW4
06 October 2025	Noctule	310	October	NBW4
06 October 2025	Noctule	26	October	NBW4
06 October 2025	Common pipistrelle	567	October	NBW4
06 October 2025	Soprano pipistrelle	20	October	NBW4
24 April 2025	Myotis	3	April	NBW5
24 April 2025	Common pipistrelle	3	April	NBW5
24 April 2025	Soprano pipistrelle	2	April	NBW5
25 April 2025	Myotis	1	April	NBW5
25 April 2025	Common pipistrelle	10	April	NBW5
25 April 2025	Soprano pipistrelle	2	April	NBW5
26 April 2025	Myotis	1	April	NBW5
26 April 2025	Noctule	1	April	NBW5

Date	Species	Number of bat calls	Survey month	Location
26 April 2025	Common pipistrelle	131	April	NBW5
26 April 2025	Soprano pipistrelle	12	April	NBW5
22 May 2025	Noctule	2	May	NBW5
23 May 2025	Myotis	3	May	NBW5
23 May 2025	Common pipistrelle	5	May	NBW5
23 May 2025	Soprano pipistrelle	12	May	NBW5
24 May 2025	Noctule	20	May	NBW5
24 May 2025	Common pipistrelle	1	May	NBW5
25 May 2025	Common pipistrelle	2	May	NBW5
25 May 2025	Soprano pipistrelle	3	May	NBW5
26 May 2025	Common pipistrelle	9	May	NBW5
26 May 2025	Soprano Pipistrelle	1	May	NBW5
20 June 2025	Noctule	22	June	NBW5
20 June 2025	Noctule	4	June	NBW5
20 June 2025	Common pipistrelle	52	June	NBW5
20 June 2025	Soprano pipistrelle	32	June	NBW5
21 June 2025	Noctule	12	June	NBW5
21 June 2025	Common pipistrelle	28	June	NBW5
21 June 2025	Soprano pipistrelle	55	June	NBW5
22 June 2025	Noctule	1	June	NBW5
22 June 2025	Common pipistrelle	26	June	NBW5
22 June 2025	Soprano pipistrelle	26	June	NBW5
23 June 2025	Noctule	8	June	NBW5
23 June 2025	Common pipistrelle	14	June	NBW5
23 June 2025	Soprano pipistrelle	13	June	NBW5
24 June 2025	Noctule	3	June	NBW5
24 June 2025	Common pipistrelle	37	June	NBW5
24 June 2025	Soprano pipistrelle	20	June	NBW5
18 July 2025	Myotis	53	July	NBW5

Date	Species	Number of bat calls	Survey month	Location
18 July 2025	Myotis	3	July	NBW5
18 July 2025	Noctule	8	July	NBW5
18 July 2025	Common pipistrelle	352	July	NBW5
18 July 2025	Soprano pipistrelle	34	July	NBW5
18 July 2025	Brown long-eared bat	8	July	NBW5
19 July 2025	Myotis	2	July	NBW5
19 July 2025	Noctule	2	July	NBW5
19 July 2025	Common pipistrelle	9	July	NBW5
20 July 2025	Myotis	13	July	NBW5
20 July 2025	Noctule	5	July	NBW5
20 July 2025	Leisler's bat	1	July	NBW5
20 July 2025	Common pipistrelle	284	July	NBW5
20 July 2025	Soprano pipistrelle	11	July	NBW5
20 July 2025	Brown long-eared bat	1	July	NBW5
20 July 2025	Brown long-eared bat	3	July	NBW5
21 July 2025	Myotis	12	July	NBW5
21 July 2025	Myotis	1	July	NBW5
21 July 2025	Noctule	9	July	NBW5
21 July 2025	Leisler's bat	1	July	NBW5
21 July 2025	Noctule	1	July	NBW5
21 July 2025	Common pipistrelle	90	July	NBW5
21 July 2025	Soprano pipistrelle	17	July	NBW5
21 July 2025	Brown long-eared bat	2	July	NBW5
21 July 2025	Brown long-eared bat	8	July	NBW5
22 July 2025	Myotis	35	July	NBW5
22 July 2025	Noctule	4	July	NBW5
22 July 2025	Common pipistrelle	429	July	NBW5
22 July 2025	Soprano Pipistrelle	20	July	NBW5
22 July 2025	Brown long-eared bat	2	July	NBW5

Date	Species	Number of bat calls	Survey month	Location
22 July 2025	Brown long-eared bat	1	July	NBW5
16 August 2025	Myotis	14	August	NBW5
16 August 2025	Noctule	2	August	NBW5
16 August 2025	Common pipistrelle	44	August	NBW5
16 August 2025	Soprano pipistrelle	19	August	NBW5
17 August 2025	Myotis	44	August	NBW5
17 August 2025	Noctule	5	August	NBW5
17 August 2025	Noctule	1	August	NBW5
17 August 2025	Common pipistrelle	151	August	NBW5
17 August 2025	Soprano pipistrelle	61	August	NBW5
18 August 2025	Myotis	114	August	NBW5
18 August 2025	Noctule	3	August	NBW5
18 August 2025	Common pipistrelle	172	August	NBW5
18 August 2025	Soprano Pipistrelle	52	August	NBW5
19 August 2025	Myotis	55	August	NBW5
19 August 2025	Noctule	1	August	NBW5
19 August 2025	Common pipistrelle	111	August	NBW5
19 August 2025	Soprano pipistrelle	44	August	NBW5
19 August 2025	Brown long-eared bat	3	August	NBW5
20 August 2025	Myotis	27	August	NBW5
20 August 2025	Common pipistrelle	140	August	NBW5
20 August 2025	Soprano pipistrelle	28	August	NBW5
19 September 2025	Myotis	20	September	NBW5
19 September 2025	Noctule	212	September	NBW5
19 September 2025	Noctule	2	September	NBW5
19 September 2025	Common pipistrelle	362	September	NBW5
19 September 2025	Soprano pipistrelle	32	September	NBW5
20 September 2025	Myotis	24	September	NBW5
20 September 2025	Myotis	1	September	NBW5

Date	Species	Number of bat calls	Survey month	Location
20 September 2025	Noctule	5	September	NBW5
20 September 2025	Leisler's bat	2	September	NBW5
20 September 2025	Common pipistrelle	308	September	NBW5
20 September 2025	Soprano pipistrelle	32	September	NBW5
21 September 2025	Myotis	30	September	NBW5
21 September 2025	Noctule	4	September	NBW5
21 September 2025	Common pipistrelle	16	September	NBW5
21 September 2025	Soprano pipistrelle	64	September	NBW5
21 September 2025	Unidentified pipistrelle species	1	September	NBW5
21 September 2025	Brown long-eared bat	1	September	NBW5
22 September 2025	Myotis	17	September	NBW5
22 September 2025	Noctule	2	September	NBW5
22 September 2025	Leisler's bat	1	September	NBW5
22 September 2025	Common pipistrelle	3	September	NBW5
22 September 2025	Soprano pipistrelle	14	September	NBW5
22 September 2025	Unidentified pipistrelle species	1	September	NBW5
22 September 2025	Brown long-eared bat	1	September	NBW5
23 September 2025	Myotis	65	September	NBW5
23 September 2025	Noctule	12	September	NBW5
23 September 2025	Common pipistrelle	10	September	NBW5
23 September 2025	Soprano pipistrelle	13	September	NBW5
23 September 2025	Brown long-eared bat	8	September	NBW5
16 October 2025	Myotis	75	October	NBW5
16 October 2025	Noctule	2	October	NBW5
16 October 2025	Common pipistrelle	73	October	NBW5
16 October 2025	Soprano pipistrelle	25	October	NBW5
16 October 2025	Brown long-eared bat	3	October	NBW5
17 October 2025	Myotis	24	October	NBW5
17 October 2025	Noctule	1	October	NBW5

Date	Species	Number of bat calls	Survey month	Location
17 October 2025	Common pipistrelle	26	October	NBW5
17 October 2025	Soprano pipistrelle	37	October	NBW5
18 October 2025	Myotis	3	October	NBW5
18 October 2025	Noctule	3	October	NBW5
18 October 2025	Common pipistrelle	482	October	NBW5
18 October 2025	Soprano pipistrelle	43	October	NBW5
19 October 2025	Myotis	9	October	NBW5
19 October 2025	Noctule	7	October	NBW5
19 October 2025	Common pipistrelle	147	October	NBW5
19 October 2025	Soprano pipistrelle	31	October	NBW5
20 October 2025	Myotis	22	October	NBW5
20 October 2025	Noctule	52	October	NBW5
20 October 2025	Soprano pipistrelle	8	October	NBW5
20 October 2025	Unidentified pipistrelle species	1	October	NBW5
24 April 2025	Noctule	1	April	NBW6
24 April 2025	Common pipistrelle	12	April	NBW6
25 April 2025	Common pipistrelle	13	April	NBW6
26 April 2025	Noctule	97	April	NBW6
26 April 2025	Common pipistrelle	7	April	NBW6
27 April 2025	Leisler's bat	2	April	NBW6
27 April 2025	Noctule	8	April	NBW6
27 April 2025	Common pipistrelle	58	April	NBW6
27 April 2025	Soprano pipistrelle	6	April	NBW6
28 April 2025	Noctule	17	April	NBW6
28 April 2025	Common pipistrelle	38	April	NBW6
29 May 2025	Noctule	1	May	NBW6
29 May 2025	Common pipistrelle	3	May	NBW6
30 May 2025	Noctule	2	May	NBW6
30 May 2025	Leisler's bat	2	May	NBW6

Date	Species	Number of bat calls	Survey month	Location
30 May 2025	Common pipistrelle	8	May	NBW6
30 May 2025	Soprano pipistrelle	1	May	NBW6
31 May 2025	Common pipistrelle	24	May	NBW6
01 June 2025	Common pipistrelle	5	May	NBW6
01 June 2025	Soprano pipistrelle	1	May	NBW6
02 June 2025	Common pipistrelle	6	May	NBW6
04 June 2025	Common pipistrelle	2	June	NBW6
05 June 2025	Common pipistrelle	9	June	NBW6
06 June 2025	Common pipistrelle	10	June	NBW6
07 June 2025	Common pipistrelle	4	June	NBW6
08 June 2025	Common pipistrelle	6	June	NBW6
25 July 2025	Myotis	7	July	NBW6
25 July 2025	Noctule	3	July	NBW6
25 July 2025	Leisler's bat	4	July	NBW6
25 July 2025	Common pipistrelle	147	July	NBW6
25 July 2025	Soprano pipistrelle	5	July	NBW6
26 July 2025	Myotis	1	July	NBW6
26 July 2025	Noctule	1	July	NBW6
26 July 2025	Common pipistrelle	72	July	NBW6
26 July 2025	Soprano pipistrelle	1	July	NBW6
26 July 2025	Brown long-eared bat	1	July	NBW6
27 July 2025	Myotis	1	July	NBW6
27 July 2025	Noctule	1	July	NBW6
27 July 2025	Common pipistrelle	58	July	NBW6
27 July 2025	Soprano pipistrelle	1	July	NBW6
28 July 2025	Myotis	1	July	NBW6
28 July 2025	Noctule	3	July	NBW6
28 July 2025	Common pipistrelle	79	July	NBW6
28 July 2025	Soprano pipistrelle	4	July	NBW6

Date	Species	Number of bat calls	Survey month	Location
29 July 2025	Myotis	3	July	NBW6
29 July 2025	Noctule	1	July	NBW6
29 July 2025	Common pipistrelle	179	July	NBW6
29 July 2025	Soprano pipistrelle	4	July	NBW6
29 July 2025	Brown long-eared bat	3	July	NBW6
23 August 2025	Myotis	5	August	NBW6
23 August 2025	Noctule	45	August	NBW6
23 August 2025	Common pipistrelle	62	August	NBW6
23 August 2025	Soprano pipistrelle	4	August	NBW6
24 August 2025	Myotis	5	August	NBW6
24 August 2025	Noctule	34	August	NBW6
24 August 2025	Common pipistrelle	42	August	NBW6
24 August 2025	Soprano pipistrelle	5	August	NBW6
24 August 2025	Brown long-eared bat	1	August	NBW6
25 August 2025	Myotis	14	August	NBW6
25 August 2025	Noctule	11	August	NBW6
25 August 2025	Common pipistrelle	39	August	NBW6
25 August 2025	Soprano pipistrelle	6	August	NBW6
25 August 2025	Brown long-eared bat	1	August	NBW6
26 August 2025	Myotis	7	August	NBW6
26 August 2025	Noctule	26	August	NBW6
26 August 2025	Common pipistrelle	29	August	NBW6
26 August 2025	Soprano pipistrelle	5	August	NBW6
26 August 2025	Brown long-eared bat	1	August	NBW6
27 August 2025	Myotis	5	August	NBW6
27 August 2025	Noctule	6	August	NBW6
27 August 2025	Common pipistrelle	47	August	NBW6
27 August 2025	Soprano pipistrelle	6	August	NBW6
27 August 2025	Brown long-eared bat	1	August	NBW6

Date	Species	Number of bat calls	Survey month	Location
26 September 2025	Myotis	5	September	NBW6
26 September 2025	Noctule	9	September	NBW6
26 September 2025	Common pipistrelle	15	September	NBW6
26 September 2025	Soprano pipistrelle	2	September	NBW6
26 September 2025	Brown long-eared bat	2	September	NBW6
27 September 2025	Myotis	6	September	NBW6
27 September 2025	Noctule	3	September	NBW6
27 September 2025	Common pipistrelle	19	September	NBW6
27 September 2025	Soprano pipistrelle	1	September	NBW6
27 September 2025	Brown long-eared bat	1	September	NBW6
28 September 2025	Myotis	5	September	NBW6
28 September 2025	Common pipistrelle	13	September	NBW6
28 September 2025	Soprano pipistrelle	1	September	NBW6
28 September 2025	Brown long-eared bat	1	September	NBW6
29 September 2025	Myotis	16	September	NBW6
29 September 2025	Noctule	6	September	NBW6
29 September 2025	Common pipistrelle	5	September	NBW6
29 September 2025	Soprano pipistrelle	1	September	NBW6
29 September 2025	Unidentified pipistrelle species	2	September	NBW6
29 September 2025	Brown long-eared bat	2	September	NBW6
29 September 2025	Brown long-eared bat	1	September	NBW6
30 September 2025	Myotis	13	September	NBW6
30 September 2025	Noctule	4	September	NBW6
30 September 2025	Common pipistrelle	16	September	NBW6
30 September 2025	Soprano pipistrelle	1	September	NBW6
30 September 2025	Brown long-eared bat	3	September	NBW6
26 October 2025	Soprano pipistrelle	1	October	NBW6
27 October 2025	Common pipistrelle	1	October	NBW6
27 October 2025	Soprano pipistrelle	1	October	NBW6

Date	Species	Number of bat calls	Survey month	Location
02 July 2025	Common pipistrelle	717	July	VP1
02 July 2025	Soprano pipistrelle	110	July	VP1
03 July 2025	Common pipistrelle	131	July	VP1
03 July 2025	Soprano pipistrelle	90	July	VP1
04 July 2025	Common pipistrelle	1	July	VP1
04 July 2025	Soprano pipistrelle	1	July	VP1
05 July 2025	Common pipistrelle	44	July	VP1
05 July 2025	Soprano pipistrelle	19	July	VP1
06 July 2025	Common pipistrelle	1095	July	VP1
06 July 2025	Soprano pipistrelle	19	July	VP1
02 August 2025	Myotis	1	August	VP1
02 August 2025	Common pipistrelle	621	August	VP1
02 August 2025	Soprano pipistrelle	13	August	VP1
03 August 2025	Common pipistrelle	545	August	VP1
03 August 2025	Soprano pipistrelle	9	August	VP1
04 August 2025	Common pipistrelle	43	August	VP1
04 August 2025	Soprano pipistrelle	4	August	VP1
05 August 2025	Common pipistrelle	715	August	VP1
05 August 2025	Soprano pipistrelle	4	August	VP1
06 August 2025	Myotis	4	August	VP1
06 August 2025	Noctule	1	August	VP1
06 August 2025	Common pipistrelle	329	August	VP1
06 August 2025	Soprano pipistrelle	9	August	VP1
03 September 2025	Common pipistrelle	2	September	VP1
04 September 2025	Myotis	1	September	VP1
04 September 2025	Soprano pipistrelle	1	September	VP1
05 September 2025	Myotis	9	September	VP1
05 September 2025	Noctule	1	September	VP1
05 September 2025	Common pipistrelle	19	September	VP1

Date	Species	Number of bat calls	Survey month	Location
05 September 2025	Soprano pipistrelle	11	September	VP1
06 September 2025	Common pipistrelle	50	September	VP1
06 September 2025	Soprano pipistrelle	3	September	VP1
07 September 2025	Common pipistrelle	1	September	VP1
07 September 2025	Soprano pipistrelle	1	September	VP1
02 October 2025	Common pipistrelle	4	October	VP1
02 October 2025	Soprano pipistrelle	1	October	VP1
03 October 2025	Common pipistrelle	1	October	VP1
05 October 2025	Myotis	1	October	VP1
05 October 2025	Common pipistrelle	2	October	VP1
06 October 2025	Myotis	1	October	VP1
06 October 2025	Common pipistrelle	25	October	VP1
06 October 2025	Soprano pipistrelle	1	October	VP1
06 October 2025	Brown long-eared bat	1	October	VP1
10 June 2025	Myotis	5	June	VP2
10 June 2025	Myotis	1	June	VP2
10 June 2025	Noctule	2	June	VP2
10 June 2025	Common pipistrelle	699	June	VP2
10 June 2025	Soprano pipistrelle	14	June	VP2
11 June 2025	Myotis	4	June	VP2
11 June 2025	Noctule	12	June	VP2
11 June 2025	Leisler's bat	1	June	VP2
11 June 2025	Common pipistrelle	545	June	VP2
11 June 2025	Soprano pipistrelle	15	June	VP2
12 June 2025	Myotis	2	June	VP2
12 June 2025	Myotis	1	June	VP2
12 June 2025	Noctule	2	June	VP2
12 June 2025	Common pipistrelle	654	June	VP2
12 June 2025	Soprano pipistrelle	667	June	VP2

Date	Species	Number of bat calls	Survey month	Location
13 June 2025	Myotis	6	June	VP2
13 June 2025	Common pipistrelle	479	June	VP2
13 June 2025	Soprano pipistrelle	28	June	VP2
14 June 2025	Myotis	7	June	VP2
14 June 2025	Noctule	2	June	VP2
14 June 2025	Common pipistrelle	1025	June	VP2
14 June 2025	Soprano pipistrelle	94	June	VP2
09 July 2025	Myotis	9	July	VP2
09 July 2025	Common pipistrelle	592	July	VP2
09 July 2025	Soprano pipistrelle	45	July	VP2
10 July 2025	Myotis	19	July	VP2
10 July 2025	Noctule	5	July	VP2
10 July 2025	Common pipistrelle	347	July	VP2
10 July 2025	Soprano pipistrelle	121	July	VP2
11 July 2025	Myotis	30	July	VP2
11 July 2025	Noctule	3	July	VP2
11 July 2025	Common pipistrelle	828	July	VP2
11 July 2025	Soprano pipistrelle	70	July	VP2
12 July 2025	Myotis	10	July	VP2
12 July 2025	Noctule	2	July	VP2
12 July 2025	Common pipistrelle	626	July	VP2
12 July 2025	Soprano pipistrelle	195	July	VP2
13 July 2025	Myotis	14	July	VP2
13 July 2025	Noctule	1	July	VP2
13 July 2025	Common pipistrelle	503	July	VP2
13 July 2025	Soprano pipistrelle	63	July	VP2
09 August 2025	Myotis	7	August	VP2
09 August 2025	Noctule	1	August	VP2
09 August 2025	Common pipistrelle	243	August	VP2

Date	Species	Number of bat calls	Survey month	Location
09 August 2025	Soprano pipistrelle	29	August	VP2
09 August 2025	Brown long-eared bat	1	August	VP2
09 August 2025	Brown long-eared bat	1	August	VP2
10 August 2025	Myotis	19	August	VP2
10 August 2025	Noctule	6	August	VP2
10 August 2025	Common pipistrelle	551	August	VP2
10 August 2025	Soprano pipistrelle	151	August	VP2
10 August 2025	Brown long-eared bat	1	August	VP2
10 August 2025	Brown long-eared bat	2	August	VP2
11 August 2025	Myotis	6	August	VP2
11 August 2025	Noctule	5	August	VP2
11 August 2025	Common pipistrelle	291	August	VP2
11 August 2025	Soprano pipistrelle	34	August	VP2
11 August 2025	Brown long-eared bat	2	August	VP2
11 August 2025	Brown long-eared bat	6	August	VP2
12 August 2025	Myotis	23	August	VP2
12 August 2025	Noctule	5	August	VP2
12 August 2025	Common pipistrelle	568	August	VP2
12 August 2025	Soprano pipistrelle	263	August	VP2
12 August 2025	Brown long-eared bat	1	August	VP2
12 August 2025	Brown long-eared bat	6	August	VP2
13 August 2025	Myotis	11	August	VP2
13 August 2025	Myotis	1	August	VP2
13 August 2025	Noctule	14	August	VP2
13 August 2025	Leisler's bat	2	August	VP2
13 August 2025	Common pipistrelle	279	August	VP2
13 August 2025	Soprano pipistrelle	54	August	VP2
13 August 2025	Brown long-eared bat	1	August	VP2
13 August 2025	Brown long-eared bat	2	August	VP2

Date	Species	Number of bat calls	Survey month	Location
10 September 2025	Myotis	2	September	VP2
10 September 2025	Common pipistrelle	447	September	VP2
10 September 2025	Soprano pipistrelle	1	September	VP2
10 September 2025	Unidentified pipistrelle species	1	September	VP2
11 September 2025	Myotis	173	September	VP2
11 September 2025	Myotis	10	September	VP2
11 September 2025	Noctule	8	September	VP2
11 September 2025	Common pipistrelle	204	September	VP2
11 September 2025	Soprano pipistrelle	632	September	VP2
12 September 2025	Myotis	382	September	VP2
12 September 2025	Myotis	8	September	VP2
12 September 2025	Noctule	1	September	VP2
12 September 2025	Common pipistrelle	923	September	VP2
12 September 2025	Soprano pipistrelle	477	September	VP2
12 September 2025	Brown long-eared bat	1	September	VP2
13 September 2025	Myotis	15	September	VP2
13 September 2025	Myotis	1	September	VP2
13 September 2025	Noctule	22	September	VP2
13 September 2025	Leisler's bat	2	September	VP2
13 September 2025	Common pipistrelle	105	September	VP2
13 September 2025	Soprano pipistrelle	238	September	VP2
13 September 2025	Brown long-eared bat	1	September	VP2
14 September 2025	Myotis	40	September	VP2
14 September 2025	Myotis	3	September	VP2
14 September 2025	Common pipistrelle	1509	September	VP2
14 September 2025	Soprano pipistrelle	39	September	VP2
14 September 2025	Unidentified pipistrelle species	1	September	VP2
09 October 2025	Myotis	10	October	VP2
09 October 2025	Common pipistrelle	49	October	VP2

Date	Species	Number of bat calls	Survey month	Location
09 October 2025	Soprano pipistrelle	10	October	VP2
10 October 2025	Myotis	5	October	VP2
10 October 2025	Common pipistrelle	36	October	VP2
10 October 2025	Soprano pipistrelle	8	October	VP2
10 October 2025	Brown long-eared bat	1	October	VP2
11 October 2025	Myotis	6	October	VP2
11 October 2025	Common pipistrelle	83	October	VP2
11 October 2025	Soprano pipistrelle	72	October	VP2
11 October 2025	Brown long-eared bat	5	October	VP2
12 October 2025	Myotis	17	October	VP2
12 October 2025	Myotis	1	October	VP2
12 October 2025	Noctule	2	October	VP2
12 October 2025	Common pipistrelle	75	October	VP2
12 October 2025	Soprano pipistrelle	17	October	VP2
12 October 2025	Brown long-eared bat	2	October	VP2
13 October 2025	Myotis	15	October	VP2
13 October 2025	Common pipistrelle	30	October	VP2
13 October 2025	Soprano pipistrelle	27	October	VP2
18 April 2025	Common pipistrelle	3	April	VP3
19 April 2025	Common pipistrelle	103	April	VP3
19 April 2025	Soprano pipistrelle	3	April	VP3
20 April 2025	Brown long-eared bat	1	April	VP3
20 April 2025	Myotis	3	April	VP3
20 April 2025	Noctule	2	April	VP3
20 April 2025	Common pipistrelle	264	April	VP3
20 April 2025	Soprano pipistrelle	16	April	VP3
21 April 2025	Common pipistrelle	226	April	VP3
21 April 2025	Soprano pipistrelle	21	April	VP3
22 April 2025	Myotis	1	April	VP3

Date	Species	Number of bat calls	Survey month	Location
22 April 2025	Common pipistrelle	234	April	VP3
22 April 2025	Soprano pipistrelle	37	April	VP3
22 April 2025	Unidentified pipistrelle species	1	April	VP3
23 April 2025	Noctule	5	April	VP3
23 April 2025	Common pipistrelle	327	April	VP3
23 April 2025	Soprano pipistrelle	11	April	VP3
28 May 2025	Myotis	7	May	VP3
28 May 2025	Noctule	2	May	VP3
28 May 2025	Common pipistrelle	77	May	VP3
28 May 2025	Soprano pipistrelle	60	May	VP3
18 June 2025	Myotis	1	June	VP3
18 June 2025	Noctule	1	June	VP3
18 June 2025	Noctule	1	June	VP3
18 June 2025	Common pipistrelle	102	June	VP3
18 June 2025	Soprano pipistrelle	34	June	VP3
19 June 2025	Myotis	7	June	VP3
19 June 2025	Leisler's bat	1	June	VP3
19 June 2025	Noctule	7	June	VP3
19 June 2025	Common pipistrelle	92	June	VP3
19 June 2025	Soprano pipistrelle	132	June	VP3
20 June 2025	Leisler's bat	1	June	VP3
20 June 2025	Common pipistrelle	18	June	VP3
20 June 2025	Soprano pipistrelle	179	June	VP3
21 June 2025	Myotis	1	June	VP3
21 June 2025	Noctule	3	June	VP3
21 June 2025	Common pipistrelle	22	June	VP3
21 June 2025	Soprano pipistrelle	30	June	VP3
22 June 2025	Myotis	5	June	VP3
22 June 2025	Common pipistrelle	51	June	VP3

Date	Species	Number of bat calls	Survey month	Location
22 June 2025	Soprano pipistrelle	36	June	VP3
16 July 2025	Myotis	3	July	VP3
16 July 2025	Noctule	1	July	VP3
16 July 2025	Common pipistrelle	175	July	VP3
16 July 2025	Soprano pipistrelle	9	July	VP3
16 July 2025	Unidentified pipistrelle species	1	July	VP3
17 July 2025	Myotis	3	July	VP3
17 July 2025	Leisler's bat	5	July	VP3
17 July 2025	Noctule	3	July	VP3
17 July 2025	Nathusius' pipistrelle	1	July	VP3
17 July 2025	Common pipistrelle	91	July	VP3
17 July 2025	Soprano pipistrelle	25	July	VP3
18 July 2025	Myotis	11	July	VP3
18 July 2025	Leisler's bat	4	July	VP3
18 July 2025	Noctule	4	July	VP3
18 July 2025	Common pipistrelle	109	July	VP3
18 July 2025	Soprano pipistrelle	93	July	VP3
19 July 2025	Common pipistrelle	1	July	VP3
20 July 2025	Noctule	2	July	VP3
20 July 2025	Common pipistrelle	48	July	VP3
20 July 2025	Soprano pipistrelle	2	July	VP3
16 August 2025	Myotis	24	August	VP3
16 August 2025	Leisler's bat	2	August	VP3
16 August 2025	Noctule	3	August	VP3
16 August 2025	Common pipistrelle	180	August	VP3
16 August 2025	Soprano pipistrelle	94	August	VP3
16 August 2025	Brown long-eared bat	5	August	VP3
17 August 2025	Myotis	18	August	VP3
17 August 2025	Leisler's bat	1	August	VP3

Date	Species	Number of bat calls	Survey month	Location
17 August 2025	Noctule	2	August	VP3
17 August 2025	Common pipistrelle	520	August	VP3
17 August 2025	Soprano pipistrelle	49	August	VP3
18 August 2025	Myotis	35	August	VP3
18 August 2025	Noctule	3	August	VP3
18 August 2025	Common pipistrelle	291	August	VP3
18 August 2025	Soprano pipistrelle	126	August	VP3
18 August 2025	Unidentified pipistrelle species	1	August	VP3
19 August 2025	Myotis	139	August	VP3
19 August 2025	Leisler's bat	3	August	VP3
19 August 2025	Noctule	1	August	VP3
19 August 2025	Common pipistrelle	345	August	VP3
19 August 2025	Soprano pipistrelle	210	August	VP3
19 August 2025	Brown long-eared bat	1	August	VP3
19 August 2025	Brown long-eared bat	1	August	VP3
20 August 2025	Myotis	188	August	VP3
20 August 2025	Leisler's bat	2	August	VP3
20 August 2025	Noctule	3	August	VP3
20 August 2025	Common pipistrelle	592	August	VP3
20 August 2025	Soprano pipistrelle	221	August	VP3
20 August 2025	Brown long-eared bat	1	August	VP3
17 September 2025	Myotis	7	September	VP3
17 September 2025	Noctule	5	September	VP3
17 September 2025	Leisler's bat	1	September	VP3
17 September 2025	Common pipistrelle	62	September	VP3
17 September 2025	Soprano pipistrelle	23	September	VP3
17 September 2025	Brown long-eared bat	1	September	VP3
18 September 2025	Myotis	5	September	VP3
18 September 2025	Noctule	6	September	VP3

Date	Species	Number of bat calls	Survey month	Location
18 September 2025	Common pipistrelle	107	September	VP3
18 September 2025	Soprano pipistrelle	13	September	VP3
18 September 2025	Brown long-eared bat	1	September	VP3
19 September 2025	Myotis	19	September	VP3
19 September 2025	Noctule	8	September	VP3
19 September 2025	Common pipistrelle	110	September	VP3
19 September 2025	Soprano pipistrelle	22	September	VP3
19 September 2025	Unidentified pipistrelle species	1	September	VP3
20 September 2025	Common pipistrelle	32	September	VP3
21 September 2025	Myotis	10	September	VP3
21 September 2025	Noctule	1	September	VP3
21 September 2025	Common pipistrelle	33	September	VP3
21 September 2025	Soprano pipistrelle	2	September	VP3
16 October 2025	Myotis	7	October	VP3
16 October 2025	Noctule	2	October	VP3
16 October 2025	Common pipistrelle	86	October	VP3
16 October 2025	Soprano pipistrelle	17	October	VP3
17 October 2025	Myotis	3	October	VP3
17 October 2025	Leisler's bat	1	October	VP3
17 October 2025	Noctule	1	October	VP3
17 October 2025	Common pipistrelle	53	October	VP3
17 October 2025	Soprano pipistrelle	5	October	VP3
18 October 2025	Myotis	2	October	VP3
18 October 2025	Leisler's bat	1	October	VP3
18 October 2025	Noctule	1	October	VP3
18 October 2025	Common pipistrelle	267	October	VP3
19 October 2025	Noctule	2	October	VP3
19 October 2025	Common pipistrelle	16	October	VP3
20 October 2025	Leisler's bat	1	October	VP3

Date	Species	Number of bat calls	Survey month	Location
20 October 2025	Noctule	2	October	VP3
24 April 2025	Common pipistrelle	30	April	VP4
25 April 2025	Myotis	1	April	VP4
25 April 2025	Common pipistrelle	19	April	VP4
25 April 2025	Soprano pipistrelle	1	April	VP4
26 April 2025	Noctule	1	April	VP4
26 April 2025	Common pipistrelle	85	April	VP4
26 April 2025	Soprano pipistrelle	1	April	VP4
27 April 2025	Myotis	10	April	VP4
27 April 2025	Common pipistrelle	70	April	VP4
27 April 2025	Soprano pipistrelle	2	April	VP4
28 April 2025	Myotis	3	April	VP4
28 April 2025	Noctule	4	April	VP4
28 April 2025	Common pipistrelle	62	April	VP4
28 April 2025	Soprano pipistrelle	4	April	VP4
22 May 2025	Myotis	1	May	VP4
22 May 2025	Leisler's bat	20	May	VP4
22 May 2025	Noctule	1	May	VP4
22 May 2025	Common pipistrelle	54	May	VP4
22 May 2025	Soprano pipistrelle	1	May	VP4
24 May 2025	Myotis	12	May	VP4
24 May 2025	Leisler's bat	7	May	VP4
24 May 2025	Noctule	1	May	VP4
24 May 2025	Common pipistrelle	533	May	VP4
24 May 2025	Soprano pipistrelle	4	May	VP4
25 May 2025	Myotis	13	May	VP4
25 May 2025	Common pipistrelle	161	May	VP4
26 May 2025	Myotis	20	May	VP4
26 May 2025	Leisler's bat	18	May	VP4

Date	Species	Number of bat calls	Survey month	Location
26 May 2025	Common pipistrelle	246	May	VP4
26 May 2025	Soprano pipistrelle	2	May	VP4
26 May 2025	Unidentified pipistrelle species	1	May	VP4
18 June 2025	Myotis	1	June	VP4
18 June 2025	Leisler's bat	6	June	VP4
18 June 2025	Common pipistrelle	180	June	VP4
18 June 2025	Soprano pipistrelle	5	June	VP4
19 June 2025	Myotis	2	June	VP4
19 June 2025	Leisler's bat	2	June	VP4
19 June 2025	Common pipistrelle	215	June	VP4
19 June 2025	Soprano pipistrelle	2	June	VP4
20 June 2025	Myotis	6	June	VP4
20 June 2025	Leisler's bat	20	June	VP4
20 June 2025	Noctule	3	June	VP4
20 June 2025	Common pipistrelle	404	June	VP4
20 June 2025	Soprano pipistrelle	3	June	VP4
21 June 2025	Myotis	6	June	VP4
21 June 2025	Leisler's bat	12	June	VP4
21 June 2025	Noctule	1	June	VP4
21 June 2025	Common pipistrelle	425	June	VP4
21 June 2025	Soprano pipistrelle	3	June	VP4
22 June 2025	Myotis	4	June	VP4
22 June 2025	Leisler's bat	5	June	VP4
22 June 2025	Common pipistrelle	509	June	VP4
22 June 2025	Soprano pipistrelle	2	June	VP4
22 July 2025	Myotis	17	July	VP4
22 July 2025	Leisler's bat	3	July	VP4
22 July 2025	Noctule	2	July	VP4
22 July 2025	Leisler's bat	1	July	VP4

Date	Species	Number of bat calls	Survey month	Location
22 July 2025	Common pipistrelle	208	July	VP4
22 July 2025	Soprano pipistrelle	37	July	VP4
23 July 2025	Myotis	29	July	VP4
23 July 2025	Leisler's bat	1	July	VP4
23 July 2025	Noctule	4	July	VP4
23 July 2025	Common pipistrelle	148	July	VP4
23 July 2025	Soprano pipistrelle	22	July	VP4
24 July 2025	Myotis	30	July	VP4
24 July 2025	Noctule	1	July	VP4
24 July 2025	Common pipistrelle	130	July	VP4
24 July 2025	Soprano pipistrelle	122	July	VP4
25 July 2025	Myotis	21	July	VP4
25 July 2025	Leisler's bat	2	July	VP4
25 July 2025	Noctule	8	July	VP4
25 July 2025	Common pipistrelle	185	July	VP4
25 July 2025	Soprano pipistrelle	87	July	VP4
26 July 2025	Myotis	11	July	VP4
26 July 2025	Noctule	1	July	VP4
26 July 2025	Common pipistrelle	76	July	VP4
26 July 2025	Soprano pipistrelle	11	July	VP4
16 August 2025	Myotis	7	August	VP4
16 August 2025	Noctule	6	August	VP4
16 August 2025	Leisler's bat	3	August	VP4
16 August 2025	Common pipistrelle	124	August	VP4
16 August 2025	Soprano pipistrelle	5	August	VP4
17 August 2025	Myotis	11	August	VP4
17 August 2025	Noctule	1	August	VP4
17 August 2025	Common pipistrelle	225	August	VP4
17 August 2025	Soprano pipistrelle	2	August	VP4

Date	Species	Number of bat calls	Survey month	Location
18 August 2025	Myotis	1	August	VP4
18 August 2025	Noctule	13	August	VP4
18 August 2025	Leisler's bat	1	August	VP4
18 August 2025	Common pipistrelle	176	August	VP4
18 August 2025	Soprano pipistrelle	1	August	VP4
19 August 2025	Myotis	1	August	VP4
19 August 2025	Noctule	2	August	VP4
19 August 2025	Leisler's bat	1	August	VP4
19 August 2025	Common pipistrelle	228	August	VP4
20 August 2025	Myotis	2	August	VP4
20 August 2025	Noctule	2	August	VP4
20 August 2025	Common pipistrelle	158	August	VP4
18 September 2025	Myotis	29	September	VP4
18 September 2025	Noctule	1	September	VP4
18 September 2025	Leisler's bat	1	September	VP4
18 September 2025	Common pipistrelle	2223	September	VP4
18 September 2025	Soprano pipistrelle	21	September	VP4
19 September 2025	Myotis	9	September	VP4
19 September 2025	Leisler's bat	115	September	VP4
19 September 2025	Noctule	10	September	VP4
19 September 2025	Common pipistrelle	390	September	VP4
19 September 2025	Soprano pipistrelle	23	September	VP4
20 September 2025	Leisler's bat	5	September	VP4
20 September 2025	Noctule	3	September	VP4
20 September 2025	Common pipistrelle	177	September	VP4
20 September 2025	Soprano pipistrelle	1	September	VP4
21 September 2025	Leisler's bat	4	September	VP4
21 September 2025	Common pipistrelle	276	September	VP4
21 September 2025	Soprano pipistrelle	3	September	VP4

Date	Species	Number of bat calls	Survey month	Location
22 September 2025	Myotis	3	September	VP4
22 September 2025	Leisler's bat	5	September	VP4
22 September 2025	Noctule	1	September	VP4
22 September 2025	Common pipistrelle	266	September	VP4
22 September 2025	Soprano pipistrelle	2	September	VP4
16 October 2025	Myotis	2	October	VP4
16 October 2025	Common pipistrelle	233	October	VP4
16 October 2025	Soprano pipistrelle	2	October	VP4
17 October 2025	Myotis	1	October	VP4
17 October 2025	Common pipistrelle	63	October	VP4
18 October 2025	Myotis	14	October	VP4
18 October 2025	Common pipistrelle	352	October	VP4
18 October 2025	Soprano pipistrelle	14	October	VP4
19 October 2025	Common pipistrelle	1	October	VP4
20 October 2025	Common pipistrelle	17	October	VP4
24 April 2025	Myotis	4	April	VP5
24 April 2025	Noctule	2	April	VP5
24 April 2025	Common pipistrelle	23	April	VP5
24 April 2025	Soprano pipistrelle	12	April	VP5
25 April 2025	Myotis	4	April	VP5
25 April 2025	Common pipistrelle	11	April	VP5
25 April 2025	Soprano pipistrelle	6	April	VP5
26 April 2025	Myotis	9	April	VP5
26 April 2025	Noctule	2	April	VP5
26 April 2025	Common pipistrelle	93	April	VP5
26 April 2025	Soprano pipistrelle	8	April	VP5
27 April 2025	Myotis	38	April	VP5
27 April 2025	Leisler's bat	1	April	VP5
27 April 2025	Noctule	2	April	VP5

Date	Species	Number of bat calls	Survey month	Location
27 April 2025	Common pipistrelle	56	April	VP5
27 April 2025	Soprano pipistrelle	11	April	VP5
27 April 2025	Unidentified pipistrelle species	1	April	VP5
28 April 2025	Myotis	36	April	VP5
28 April 2025	Noctule	7	April	VP5
28 April 2025	Common pipistrelle	107	April	VP5
28 April 2025	Soprano pipistrelle	28	April	VP5
28 April 2025	Unidentified pipistrelle species	1	April	VP5
28 May 2025	Myotis	10	May	VP5
28 May 2025	Common pipistrelle	69	May	VP5
28 May 2025	Soprano pipistrelle	11	May	VP5
29 May 2025	Myotis	1	May	VP5
29 May 2025	Common pipistrelle	68	May	VP5
29 May 2025	Soprano pipistrelle	3	May	VP5
30 May 2025	Myotis	7	May	VP5
30 May 2025	Noctule	1	May	VP5
30 May 2025	Common pipistrelle	33	May	VP5
30 May 2025	Soprano pipistrelle	6	May	VP5
31 May 2025	Leisler's bat	1	May	VP5
31 May 2025	Noctule	1	May	VP5
31 May 2025	Common pipistrelle	26	May	VP5
31 May 2025	Soprano pipistrelle	6	May	VP5
01 June 2025	Myotis	6	May	VP5
01 June 2025	Leisler's bat	1	May	VP5
01 June 2025	Noctule	1	May	VP5
01 June 2025	Common pipistrelle	9	May	VP5
01 June 2025	Soprano pipistrelle	5	May	VP5
02 June 2025	Myotis	4	May	VP5
02 June 2025	Noctule	1	May	VP5

Date	Species	Number of bat calls	Survey month	Location
02 June 2025	Common pipistrelle	98	May	VP5
02 June 2025	Soprano pipistrelle	7	May	VP5
25 June 2025	Myotis	6	June	VP5
25 June 2025	Leisler's bat	4	June	VP5
25 June 2025	Noctule	6	June	VP5
25 June 2025	Noctule	1	June	VP5
25 June 2025	Common pipistrelle	143	June	VP5
25 June 2025	Soprano pipistrelle	4	June	VP5
26 June 2025	Myotis	8	June	VP5
26 June 2025	Leisler's bat	1	June	VP5
26 June 2025	Noctule	2	June	VP5
26 June 2025	Common pipistrelle	182	June	VP5
26 June 2025	Soprano pipistrelle	15	June	VP5
27 June 2025	Leisler's bat	3	June	VP5
27 June 2025	Noctule	4	June	VP5
27 June 2025	Common pipistrelle	27	June	VP5
28 June 2025	Myotis	4	June	VP5
28 June 2025	Leisler's bat	2	June	VP5
28 June 2025	Noctule	1	June	VP5
28 June 2025	Common pipistrelle	100	June	VP5
28 June 2025	Soprano pipistrelle	4	June	VP5
29 June 2025	Myotis	8	June	VP5
29 June 2025	Leisler's bat	1	June	VP5
29 June 2025	Noctule	2	June	VP5
29 June 2025	Noctule	1	June	VP5
29 June 2025	Common pipistrelle	71	June	VP5
29 June 2025	Soprano pipistrelle	31	June	VP5
22 July 2025	Myotis	15	July	VP5
22 July 2025	Leisler's bat	3	July	VP5

Date	Species	Number of bat calls	Survey month	Location
22 July 2025	Noctule	2	July	VP5
22 July 2025	Leisler's bat	1	July	VP5
22 July 2025	Common pipistrelle	209	July	VP5
22 July 2025	Soprano pipistrelle	37	July	VP5
23 July 2025	Myotis	25	July	VP5
23 July 2025	Leisler's bat	1	July	VP5
23 July 2025	Noctule	4	July	VP5
23 July 2025	Common pipistrelle	152	July	VP5
23 July 2025	Soprano pipistrelle	22	July	VP5
24 July 2025	Myotis	28	July	VP5
24 July 2025	Noctule	1	July	VP5
24 July 2025	Common pipistrelle	133	July	VP5
24 July 2025	Soprano pipistrelle	122	July	VP5
25 July 2025	Myotis	21	July	VP5
25 July 2025	Leisler's bat	2	July	VP5
25 July 2025	Noctule	8	July	VP5
25 July 2025	Common pipistrelle	185	July	VP5
25 July 2025	Soprano pipistrelle	87	July	VP5
26 July 2025	Myotis	22	July	VP5
26 July 2025	Noctule	1	July	VP5
26 July 2025	Common pipistrelle	106	July	VP5
26 July 2025	Soprano pipistrelle	15	July	VP5
23 August 2025	Myotis	41	August	VP5
23 August 2025	Noctule	5	August	VP5
23 August 2025	Common pipistrelle	52	August	VP5
23 August 2025	Soprano pipistrelle	77	August	VP5
23 August 2025	Unidentified pipistrelle species	2	August	VP5
24 August 2025	Myotis	32	August	VP5
24 August 2025	Noctule	6	August	VP5

Date	Species	Number of bat calls	Survey month	Location
24 August 2025	Common pipistrelle	184	August	VP5
24 August 2025	Soprano pipistrelle	52	August	VP5
24 August 2025	Brown long-eared bat	1	August	VP5
25 August 2025	Myotis	27	August	VP5
25 August 2025	Myotis	1	August	VP5
25 August 2025	Noctule	3	August	VP5
25 August 2025	Leisler's bat	1	August	VP5
25 August 2025	Common pipistrelle	287	August	VP5
25 August 2025	Soprano pipistrelle	46	August	VP5
25 August 2025	Unidentified pipistrelle species	2	August	VP5
25 August 2025	Brown long-eared bat	2	August	VP5
26 August 2025	Myotis	17	August	VP5
26 August 2025	Noctule	8	August	VP5
26 August 2025	Common pipistrelle	263	August	VP5
26 August 2025	Soprano pipistrelle	49	August	VP5
27 August 2025	Myotis	7	August	VP5
27 August 2025	Myotis	1	August	VP5
27 August 2025	Noctule	1	August	VP5
27 August 2025	Leisler's bat	2	August	VP5
27 August 2025	Common pipistrelle	243	August	VP5
27 August 2025	Soprano pipistrelle	26	August	VP5
27 August 2025	Brown long-eared bat	1	August	VP5
25 September 2025	Myotis	16	September	VP5
25 September 2025	Leisler's bat	5	September	VP5
25 September 2025	Noctule	4	September	VP5
25 September 2025	Common pipistrelle	119	September	VP5
25 September 2025	Soprano pipistrelle	203	September	VP5
25 September 2025	Brown long-eared bat	1	September	VP5
26 September 2025	Myotis	29	September	VP5

Date	Species	Number of bat calls	Survey month	Location
26 September 2025	Leisler's bat	6	September	VP5
26 September 2025	Noctule	2	September	VP5
26 September 2025	Common pipistrelle	47	September	VP5
26 September 2025	Soprano pipistrelle	50	September	VP5
27 September 2025	Leisler's bat	3	September	VP5
27 September 2025	Noctule	2	September	VP5
27 September 2025	Common pipistrelle	75	September	VP5
27 September 2025	Soprano pipistrelle	13	September	VP5
28 September 2025	Myotis	12	September	VP5
28 September 2025	Leisler's bat	4	September	VP5
28 September 2025	Noctule	7	September	VP5
28 September 2025	Common pipistrelle	6	September	VP5
28 September 2025	Soprano pipistrelle	62	September	VP5
28 September 2025	Brown long-eared bat	1	September	VP5
29 September 2025	Myotis	23	September	VP5
29 September 2025	Leisler's bat	13	September	VP5
29 September 2025	Noctule	2	September	VP5
29 September 2025	Common pipistrelle	45	September	VP5
29 September 2025	Soprano pipistrelle	92	September	VP5
29 September 2025	Brown long-eared bat	1	September	VP5
23 October 2025	Myotis	4	October	VP5
23 October 2025	Soprano pipistrelle	3	October	VP5
24 October 2025	Myotis	3	October	VP5
25 October 2025	Myotis	5	October	VP5
26 October 2025	Myotis	1	October	VP5
26 October 2025	Soprano pipistrelle	4	October	VP5
27 October 2025	Myotis	1	October	VP5
27 October 2025	Common pipistrelle	5	October	VP5
27 October 2025	Soprano pipistrelle	21	October	VP5

Date	Species	Number of bat calls	Survey month	Location
24 July 2025	Myotis	3	July	VP6
24 July 2025	Leisler's bat	35	July	VP6
24 July 2025	Noctule	8	July	VP6
24 July 2025	Common pipistrelle	263	July	VP6
24 July 2025	Soprano pipistrelle	17	July	VP6
25 July 2025	Myotis	10	July	VP6
25 July 2025	Leisler's bat	42	July	VP6
25 July 2025	Noctule	11	July	VP6
25 July 2025	Nathusius' pipistrelle	1	July	VP6
25 July 2025	Common pipistrelle	173	July	VP6
25 July 2025	Soprano pipistrelle	34	July	VP6
26 July 2025	Myotis	5	July	VP6
26 July 2025	Leisler's bat	48	July	VP6
26 July 2025	Noctule	7	July	VP6
26 July 2025	Noctule	8	July	VP6
26 July 2025	Common pipistrelle	376	July	VP6
26 July 2025	Soprano pipistrelle	52	July	VP6
27 July 2025	Myotis	25	July	VP6
27 July 2025	Leisler's bat	122	July	VP6
27 July 2025	Noctule	6	July	VP6
27 July 2025	Leisler's bat	1	July	VP6
27 July 2025	Common pipistrelle	427	July	VP6
27 July 2025	Soprano pipistrelle	93	July	VP6
28 July 2025	Myotis	8	July	VP6
28 July 2025	Leisler's bat	329	July	VP6
28 July 2025	Noctule	7	July	VP6
28 July 2025	Leisler's bat	1	July	VP6
28 July 2025	Noctule	16	July	VP6
28 July 2025	Common pipistrelle	340	July	VP6

Date	Species	Number of bat calls	Survey month	Location
28 July 2025	Soprano pipistrelle	85	July	VP6
01 August 2025	Myotis	7	August	VP6
01 August 2025	Leisler's bat	106	August	VP6
01 August 2025	Noctule	5	August	VP6
01 August 2025	Common pipistrelle	83	August	VP6
01 August 2025	Soprano pipistrelle	36	August	VP6
02 August 2025	Myotis	7	August	VP6
02 August 2025	Leisler's bat	177	August	VP6
02 August 2025	Noctule	15	August	VP6
02 August 2025	Common pipistrelle	97	August	VP6
02 August 2025	Soprano pipistrelle	29	August	VP6
03 August 2025	Myotis	11	August	VP6
03 August 2025	Leisler's bat	79	August	VP6
03 August 2025	Noctule	7	August	VP6
03 August 2025	Common pipistrelle	190	August	VP6
03 August 2025	Soprano pipistrelle	66	August	VP6
04 August 2025	Myotis	13	August	VP6
04 August 2025	Leisler's bat	184	August	VP6
04 August 2025	Noctule	10	August	VP6
04 August 2025	Common pipistrelle	476	August	VP6
04 August 2025	Soprano pipistrelle	464	August	VP6
05 August 2025	Myotis	4	August	VP6
05 August 2025	Leisler's bat	176	August	VP6
05 August 2025	Noctule	3	August	VP6
05 August 2025	Common pipistrelle	237	August	VP6
05 August 2025	Soprano pipistrelle	62	August	VP6

Annex C
Weather Conditions for Automated Static Bat Detector Surveys

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Annex C
Weather Conditions for Automated Static Bat Detector Surveys

Table C.1 – Weather Conditions for Automated Bat Detector Surveys

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
NBW1E	17 April 2025	7 to 13°C, max wind 11 mph, clear, dry	04:58/19:06
NBW1E	18 April 2025	9 to 11°C, max wind 17 mph, clear, dry	04:55/19:08
NBW1E	19 April 2025	7 to 11°C, max wind 11 mph, overcast, dry	04:53/19:10
NBW1E	20 April 2025	6 to 12°C, max wind 8 mph, passing clouds	04:51/19:12
NBW1E	21 April 2025	5 to 15°C, max wind 7 mph, clear, dry	04:49/19:14
NBW1E	07 May 2025	9 to 12°C, max wind 10 mph, overcast to mostly cloudy, dry	04:15/19:43
NBW1E	08 May 2025	10 to 16°C, max wind 6 mph, clear, dry	04:13/19:44
NBW1E	09 May 2025	3 to 18°C, max wind12 mph, clear, dry	04:11/19:46
NBW1E	10 May 2025	6 to 19°C, max wind 11 mph, clear, dry	04:09/19:48
NBW1E	11 May 2025	11 to 20°C, max wind 9 mph, clear, dry	04:08/19:50
NBW1E	04 June 2025	9 to 15°C, max wind 14 mph, overcast, drizzle	03:36/20:25
NBW1E	05 June 2025	10 to 15°C, max wind 10 mph, overcast, rain	03:35/20:26
NBW1E	06 June 2025	8 to 15°C, max wind 11 mph, clear, dry	03:34/20:27
NBW1E	06 June 2025	8 to 15°C, max wind 11 mph, clear, dry	03:34/20:27
NBW1E	07 June 2025	9 to 16°C, max wind 17 mph, broken cloud, dry	03:33/20:28

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
NBW1E	08 June 2025	10 to 18°C, max wind 11 mph, overcast with showers, dry	03:33/20:29
NBW1E	03 July 2025	12 to 23°C, max wind 16 mph, clear, dry	03:37/20:35
NBW1E	04 July 2025	16 to 22°C, max wind 22 mph, overcast, light rain	03:38/20:34
NBW1E	05 July 2025	16 to 19°C, max wind 10 mph, scattered cloud, dry	03:38/20:34
NBW1E	06 July 2025	12 to 18°C, max wind 13 mph, overcast, drizzle	03:39/20:33
NBW1E	07 July 2025	11 to 20°C, max wind 11 mph, clear, dry	03:40/20:32
NBW1E	01 August 2025	15 to 20°C, max wind 9 mph, broken cloud, dry	04:15/20:00
NBW1E	02 August 2025	11 to 20°C, max wind 13 mph, clear, dry	04:17/19:58
NBW1E	03 August 2025	15 to 20°C, max wind 17 mph, overcast, light rain	04:19/19:56
NBW1E	04 August 2025	14 to 18°C, max wind 19 mph, broken clouds, dry	04:20/19:54
NBW1E	05 August 2025	11 to 20°C, max wind 14 mph, clear, dry	04:22/19:52
NBW1E	06 August 2025	14 to 20°C, max wind 18 mph, clear, dry	04:24/19:50
NBW1E	04 September 2025	10 to 19°C, max wind 10 mph, clear, dry	05:15/18:46
NBW1E	05 September 2025	11 to 20°C, max wind 7 mph, clear, dry	05:17/18:43
NBW1E	06 September 2025	15 to 24°C, max wind 14 mph, clear, dry	05:18/18:41
NBW1E	07 September 2025	12 to 19°C, max wind 16 mph, clear, dry	05:20/18:38
NBW1E	08 September 2025	9 to 20°C, max wind 9 mph, clear, dry	05:22/18:36
NBW1W	17 April 2025	7 to 13°C, max wind 11 mph, clear, dry	04:58/19:06
NBW1W	18 April 2025	9 to 11°C, max wind 17 mph, clear, dry	04:55/19:08

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
NBW1W	19 April 2025	7 to 11°C, max wind 11 mph, overcast, dry	04:53/19:10
NBW1W	20 April 2025	6 to 12°C, max wind 8 mph, passing clouds	04:51/19:12
NBW1W	21 April 2025	5 to 15°C, max wind 7 mph, clear, dry	04:49/19:14
NBW1W	07 May 2025	9 to 12°C, max wind 10 mph, overcast to mostly cloudy, dry	04:15/19:43
NBW1W	08 May 2025	0 to 16°C, max wind 6 mph, clear, dry	04:13/19:44
NBW1W	09 May 2025	3 to 18°C, max wind12 mph, clear, dry	04:11/19:46
NBW1W	10 May 2025	6 to 19°C, max wind 11 mph, clear, dry	04:09/19:48
NBW1W	11 May 2025	11 to 20°C, max wind 9 mph, clear, dry	04:08/19:50
NBW1W	04 June 2025	9 to 15°C, max wind 14 mph, overcast, drizzle	03:36/20:25
NBW1W	05 June 2025	10 to 15°C, max wind 10 mph, overcast, rain	03:35/20:26
NBW1W	06 June 2025	8 to 15°C, max wind 11 mph, clear, dry	03:34/20:27
NBW1W	07 June 2025	9 to 16°C, max wind 17 mph, broken cloud, dry	03:34/20:28
NBW1W	08 June 2025	10 to 18°C, max wind 11 mph, overcast with showers, dry	03:33/20:29
NBW1W	04 July 2025	16 to 22°C, max wind 22 mph, overcast, light rain	03:38/20:34
NBW1W	05 July 2025	16 to 19°C, max wind 10 mph, scattered cloud, dry	03:39/20:34
NBW1W	06 July 2025	12 to 18°C, max wind 13 mph, overcast, drizzle	03:40/20:33
NBW1W	07 July 2025	11 to 20°C, max wind 11 mph, clear, dry	03:41/20:32
NBW1W	08 July 2025	11 to 23°C, max wind 8 mph, broken clouds, dry	03:42/20:32
NBW1W	01 August 2025	15 to 20°C, max wind 9 mph, broken cloud, dry	04:16/20:00

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
NBW1W	02 August 2025	11 to 20°C, max wind 13 mph, clear, dry	04:17/19:58
NBW1W	03 August 2025	15 to 20°C, max wind 17 mph, overcast, light rain	04:19/19:56
NBW1W	04 August 2025	14 to 18°C, max wind 19 mph, broken clouds, dry	04:21/19:54
NBW1W	05 August 2025	11 to 20°C, max wind 14 mph, clear, dry	04:22/19:52
NBW1W	06 August 2025	14 to 20°C, max wind 18 mph, clear, dry	04:24/19:50
NBW1W	04 September 2025	10 to 19°C, max wind 10 mph, clear, dry	05:15/18:46
NBW1W	05 September 2025	11 to 20°C, max wind 7 mph, clear, dry	05:17/18:43
NBW1W	06 September 2025	15 to 24°C, max wind 14 mph, clear, dry	05:18/18:41
NBW1W	07 September 2025	12 to 19°C, max wind 16 mph, clear, dry	05:20/18:38
NBW1W	08 September 2025	9 to 20°C, max wind 9 mph, clear, dry	05:22/18:36
NBW1W	02 October 2025	14 to 16°C, max wind 21 mph, overcast, light rain	06:05/ 17:37
NBW1W	03 October 2025	10 to 17°C, max wind 30 mph, overcast, light rain	06:06/17:34
NBW1W	04 October 2025	11 to 15°C, max wind 19 mph, passing clouds, dry	06:08/17:32
NBW1W	05 October 2025	12 to 18°C, max wind 16 mph, scattered clouds, light rain	06:10/17:30
NBW1W	06 October 2025	12 to 19°C, max wind 13 mph, clear, dry	06:12/17:27
NBW2	17 April 2025	7 to 13°C, max wind 11 mph, clear, dry	04:59/19:07
NBW2	18 April 2025	9 to 11°C, max wind 17 mph, clear, dry	04:57/19:08
NBW2	19 April 2025	7 to 11°C, max wind 11 mph, overcast, dry	04:53/19:10
NBW2	20 April 2025	6 to 12°C, max wind 8 mph, passing clouds	04:52/19:12

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
NBW2	21 April 2025	5 to 15°C, max wind 7 mph, clear, dry	04:50/19:14
NBW2	22 April 2025	7 to 16°C, max wind 9 mph, overcast, dry	04:48/19:16
NBW2	23 April 2025	8 to 12°C, max wind 11 mph, overcast, dry	04:46/19:17
NBW2	04 June 2025	9 to 15°C, max wind 14 mph, overcast, drizzle	03:38/20:24
NBW2	05 June 2025	10 to 15°C, max wind 10 mph, overcast, rain	03:35/20:26
NBW2	06 June 2025	8 to 15°C, max wind 11 mph, clear, dry	03:37/20:26
NBW2	07 June 2025	9 to 16°C, max wind 17 mph, broken cloud, dry	03:36/20:27
NBW2	08 June 2025	10 to 18°C, max wind 11 mph, overcast with showers, dry	03:35/20:28
NBW2	03 July 2025	12 to 23°C, max wind 16 mph, clear, dry	03:39/20:34
NBW2	04 July 2025	16 to 22°C, max wind 22 mph, overcast, light rain	03:40/20:34
NBW2	05 July 2025	16 to 19°C, max wind 10 mph, scattered cloud, dry	03:41/20:33
NBW2	06 July 2025	12 to 18°C, max wind 13 mph, overcast, drizzle	03:40/20:33
NBW2	07 July 2025	11 to 20°C, max wind 11 mph, clear, dry	03:41/20:32
NBW2	02 August 2025	11 to 20°C, max wind 13 mph, clear, dry	04:19/19:58
NBW2	03 August 2025	15 to 20°C, max wind 17 mph, overcast, light rain	04:21/19:56
NBW2	04 August 2025	14 to 18°C, max wind 19 mph, broken clouds, dry	04:23/19:54
NBW2	05 August 2025	11 to 20°C, max wind 14 mph, clear, dry	04:24/19:52
NBW2	06 August 2025	14 to 20°C, max wind 18 mph, clear, dry	04:26/19:50
NBW2	04 September 2025	10 to 19°C, max wind 10 mph, clear, dry	05:16/18:46

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
NBW2	05 September 2025	11 to 20°C, max wind 7 mph, clear, dry	05:18/18:44
NBW2	06 September 2025	15 to 24°C, max wind 14 mph, clear, dry	05:20/18:41
NBW2	07 September 2025	12 to 19°C, max wind 16 mph, clear, dry	05:21/18:39
NBW2	08 September 2025	9 to 20°C, max wind 9 mph, clear, dry	05:23/18:37
NBW2	01 October 2025	11 to 15°C, max wind 12 mph, overcast, dry	06:04/17:40
NBW2	02 October 2025	14 to 16°C, max wind 21 mph, overcast, light rain	06:05/17:38
NBW2	03 October 2025	10 to 17°C, max wind 30 mph, overcast, light rain	06:07/17:35
NBW2	04 October 2025	11 to 15°C, max wind 19 mph, passing clouds, dry	06:09/17:33
NBW2	05 October 2025	12 to 18°C, max wind 16 mph, scattered clouds, light rain	06:11/17:31
NBW3	18 April 2025	9 to 15°C, max wind 17 mph, overcast, light rain	04:57/19:08
NBW3	19 April 2025	6 to 11°C, max wind 14 mph, overcast, dry	04:55/19:10
NBW3	20 April 2025	6 to 12°Cc, max wind 10 mph, partly cloudy, dry	04:53/19:12
NBW3	21 April 2025	7 to 12°C, max wind 10 mph, partly cloudy, dry	04:50/19:14
NBW3	22 April 2025	7 to 13°C, max wind 11 mph, broken cloud, dry	04:48/19:16
NBW3	23 April 2025	7 to 16°C, max wind 12 mph, overcast, dry	04:46/19:17
NBW3	14 May 2025	8 to 13°C, max wind 14 mph, broken cloud, dry	04:05/19:54
NBW3	15 May 2025	6 to 16°C, max wind 11 mph, scattered cloud, dry	04:03/19:56
NBW3	16 May 2025	9 to 13°C, max wind 16 mph, scattered cloud, dry	04:01/19:58
NBW3	17 May 2025	9 to 13°C, max wind 11 mph, partly cloudy, dry	04:00/19:59

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
NBW3	18 May 2025	7 to 13°C, max wind 9 mph, partly cloudy, dry	03:58/20:01
NBW3	11 June 2025	11 to 22°Cc, max wind 16 mph, broken cloud, dry	03:34/20:31
NBW3	12 June 2025	13 to 24°C, max wind 17 mph, broken cloud, dry	03:34/20:31
NBW3	13 June 2025	16 to 25°C, max wind 14 mph, scattered cloud, dry	03:34/20:32
NBW3	14 June 2025	13 to 22°C, max wind 11 mph, scattered cloud, dry	03:34/20:33
NBW3	15 June 2025	14 to 22°C, max wind 11 mph, scattered cloud, dry	03:33/20:33
NBW3	10 July 2025	16 to 23°C, max wind 9 mph, clear, dry	03:46/20:29
NBW3	11 July 2025	14 to 23°C, max wind 11 mph, clear, dry	03:48/20:28
NBW3	12 July 2025	16 to 23°C, max wind 10 mph, clear, dry	03:49/20:27
NBW3	13 July 2025	17 to 24°C, max wind 11 mph, scattered cloud, dry	03:50/20:26
NBW3	14 July 2025	14 to 20°C, max wind 19 mph, broken cloud, dry	03:51/20:25
NBW3	09 August 2025	13 to 21°C, max wind 9 mph, overcast dry	04:31/19:44
NBW3	10 August 2025	15 to 25°C, max wind 6 mph, clear, dry	04:33/19:42
NBW3	11 August 2025	16 to 24°C, max wind 11 mph, scattered cloud, dry	04:35/19:40
NBW3	12 August 2025	15 to 28°C, max wind 9 mph, scattered cloud, dry	04:36/19:38
NBW3	13 August 2025	15 to 28°C, max wind 12 mph, broken cloud, dry	04:38/19:36
NBW3	12 September 2025	11 to 16°C, max wind 15 mph, broken cloud, dry	05:30/18:27
NBW3	13 September 2025	09 to 15°C, max wind 10 mph, broken cloud, dry	05:32/18:24
NBW3	14 September 2025	13 to 16°C, max wind 20 mph, overcast, light rain	05:34/18:22

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
NBW3	15 September 2025	13 to 16°C, max wind 12 mph, overcast, dry	05:36/18:20
NBW3	16 September 2025	11 to 16°C, max wind 16 mph, overcast, drizzle	05:37/18:17
NBW3	09 October 2025	10 to 15°C, max wind 9 mph, overcast, rain	06:18/17:21
NBW3	10 October 2025	9 to 14°C, max wind 6 mph, overcast, dry	06:20/17:19
NBW3	11 October 2025	6 to 14°C, max wind 4 mph, clear, dry	06:22/17:17
NBW3	12 October 2025	11 to 13°C, max wind 5 mph, clear, dry	06:23/17:14
NBW3	13 October 2025	11 to 12°C, max wind 5 mph, overcast, drizzle	06:25/17:12
NBW4	18 April 2025	9 to 15°C, max wind 17 mph, overcast, light rain	04:57/19:08
NBW4	19 April 2025	6 to 11°C, max wind 14 mph, overcast, dry	04:55/19:10
NBW4	20 April 2025	6 to 12°Cc, max wind 10 mph, partly cloudy, dry	04:53/19:12
NBW4	21 April 2025	7 to 12°C, max wind 10 mph, partly cloudy, dry	04:50/19:14
NBW4	22 April 2025	7 to 13°C, max wind 11 mph, broken cloud, dry	04:48/19:16
NBW4	23 April 2025	7 to 16°C, max wind 12 mph, overcast, dry	04:46/19:17
NBW4	11 June 2025	11 to 22°C, max wind 16 mph, broken cloud, dry	03:35/20:31
NBW4	12 June 2025	13 to 24°C, max wind 17 mph, broken cloud, dry	03:34/20:31
NBW4	13 June 2025	16 to 25°C, max wind 14 mph, scattered cloud, dry	03:34/20:32
NBW4	14 June 2025	13 to 22°C, max wind 11 mph, scattered cloud, dry	03:34/20:33
NBW4	15 June 2025	14 to 22°C, max wind 11 mph, scattered cloud, dry	03:34/20:33
NBW4	11 July 2025	14 to 23°C, max wind 11 mph, clear, dry	03:48/20:28

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
NBW4	12 July 2025	16 to 23°C, max wind 10 mph, clear, dry	03:49/20:28
NBW4	13 July 2025	17 to 24°C, max wind 11 mph, scattered cloud, dry	03:50/20:27
NBW4	14 July 2025	14 to 20°C, max wind 19 mph, broken cloud, dry	03:51/20:26
NBW4	15 July 2025	14 to 19°C, max wind 16 mph, broken cloud, dry	03:53/20:24
NBW4	09 August 2025	13 to 21°C, max wind 9 mph, overcast dry	04:31/19:45
NBW4	10 August 2025	15 to 25°C, max wind 6 mph, clear, dry	04:33/19:43
NBW4	11 August 2025	16 to 24°C, max wind 11 mph, scattered cloud, dry	04:35/19:40
NBW4	12 August 2025	15 to 28°C, max wind 9 mph, scattered cloud, dry	04:37/19:38
NBW4	13 August 2025	15 to 28°C, max wind 12 mph, broken cloud, dry	04:38/19:36
NBW4	25 September 2025	09 to 14°C, max wind 8 mph, passing clouds, dry	05:53/17:55
NBW4	26 September 2025	08 to 15°C, max wind 9 mph, passing clouds, dry	05:55/17:53
NBW4	27 September 2025	10 to 13°C, max wind 9 mph, overcast, rain	05:57/17:50
NBW4	28 September 2025	07 to 14°C, max wind 6 mph, passing clouds, dry	05:58/17:48
NBW4	29 September 2025	10 to 16°C, max wind 5 mph, passing clouds, dry	06:00/17:45
NBW4	02 October 2025	14 to 16°C, max wind 20 mph, overcast, dry	06:06/17:38
NBW4	03 October 2025	11 to 18°C, max wind 30 mph, broken cloud, dry	06:07/17:36
NBW4	04 October 2025	11 to 15°C, max wind 21 mph, overcast, dry	06:09/17:33
NBW4	05 October 2025	8 to 11°C, max wind 14 mph, overcast, dry	06:11/17:31
NBW4	06 October 2025	12 to 17°C, max wind 13 mph, overcast, dry	06:13/17:29

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
NBW5	24 April 2025	7 to 12°C, max wind 7 mph, broken cloud, dry	04:44/19:19
NBW5	25 April 2025	7 to 13°C, max wind 9 mph, broken cloud, dry	04:42/19:21
NBW5	26 April 2025	8 to 13°C, max wind 7 mph, clear, dry	04:40/19:23
NBW5	27 April 2025	10 to 20°C, max wind 12 mph, scattered cloud, dry	04:38/19:24
NBW5	28 April 2025	10 to 21°C, max wind 5 mph, broken cloud, dry	04:36/19:26
NBW5	22 May 2025	5 to 15°C, max wind 6 mph, broken cloud, dry	03:53/20:07
NBW5	23 May 2025	11 to 18°C, max wind 11 mph, scattered cloud, dry	03:52/20:08
NBW5	24 May 2025	14 to 19°C, max wind 14 mph, scattered cloud, light rain	03:50/20:10
NBW5	25 May 2025	09 to 17°C, max wind 14 mph, partly cloudy, dry	03:49/20:11
NBW5	26 May 2025	12 to 16°C, max wind 21 mph, partly cloudy, light rain	03:48/20:12
NBW5	20 June 2025	13 to 26°C, max wind 12 mph, scattered cloud, dry	03:34/20:35
NBW5	21 June 2025	16 to 22°C, max wind 16 mph, scattered cloud, dry	03:34/20:35
NBW5	22 June 2025	12 to 16°C, max wind 17 mph, broken cloud, dry	03:34/20:35
NBW5	23 June 2025	14 to 21°Cc, max wind 17 mph, broken cloud, dry	03:35/20:35
NBW5	24 June 2025	18 to 23°C, max wind 13 mph, scattered cloud, dry	03:35/20:35
NBW5	18 July 2025	17 to 20°C, max wind 11 mph, scattered cloud, dry	03:57/20:20
NBW5	19 July 2025	16 to 19°C, max wind 11 mph, scattered cloud, dry	03:58/20:19
NBW5	20 July 2025	13 to 20°C, max wind 7 mph, broken cloud, dry	04:00/20:18
NBW5	21 July 2025	14 to 21°C, max wind 11 mph, broken cloud, dry	04:01/20:16

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
NBW5	22 July 2025	15 to 20°C, max wind 10 mph, overcast, dry	04:03/20:15
NBW5	16 August 2025	11 to 18°C, max wind 7 mph, overcast, dry	04:44/19:30
NBW5	17 August 2025	15 to 18°C, max wind 11 mph, clear, drizzle	04:45/19:27
NBW5	18 August 2025	14 to 16°C, max wind 11 mph, overcast, drizzle	04:47/19:25
NBW5	19 August 2025	13 to 16°C, max wind 11 mph, broken cloud, dry	04:49/19:23
NBW5	20 August 2025	13 to 16°C, max wind 13 mph, clear, dry	04:51/19:21
NBW5	19 September 2025	12 to 17°C, max wind 10 mph, overcast, drizzle	05:43/18:10
NBW5	20 September 2025	08 to 12°C, max wind 17 mph, overcast, light rain	05:44/18:07
NBW5	21 September 2025	05 to 12°C, max wind 9 mph, broken cloud, dry	05:46/18:05
NBW5	22 September 2025	07 to 14°C, max wind 8 mph, broken cloud, dry	05:48/18:02
NBW5	23 September 2025	07 to 11°C, max wind 0 mph, overcast, dry	05:50/18:00
NBW5	16 October 2025	10 to 12°C, max wind 5 mph, overcast, dry	06:31/17:05
NBW5	17 October 2025	9 to 12°C, max wind 7 mph, overcast, dry	06:33/17:03
NBW5	18 October 2025	9 to 14°C max wind 13 mph, overcast, dry	06:34/17:01
NBW5	19 October 2025	11 to 14°C, max wind 17 mph, overcast, rain	06:36/16:58
NBW5	20 October 2025	11 to 14°C, max wind 11 mph, passing cloud, dry	06:38/16:56
NBW6	24 April 2025	7 to 12°C, max wind 10 mph, broken cloud, dry	04:44/19:19
NBW6	25 April 2025	7 to 13°C, max wind 11 mph, broken cloud, dry	04:42/19:20
NBW6	26 April 2025	8 to 13°C, max wind 11 mph, scattered cloud, dry	04:40/19:22

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
NBW6	27 April 2025	10 to 20°C, max wind 12 mph, scattered cloud, dry	04:38/19:24
NBW6	28 April 2025	8 to 14°C, max wind 12 mph, broken cloud, dry	04:36/19:26
NBW6	29 May 2025	12 to 20°C, max wind 19 mph, scattered cloud, dry	03:45/20:16
NBW6	30 May 2025	12 to 19°C, max wind 12 mph, partly cloudy, dry	03:44/20:17
NBW6	31 May 2025	12 to 22°C, max wind 12 mph, clear., dry	03:43/20:18
NBW6	01 June 2025	09 to 16°C, max wind 10 mph, clear, dry	03:42/20:19
NBW6	02 June 2025	11 to 19°C, max wind 19 mph, broken cloud, dry	03:41/20:20
NBW6	04 June 2025	11 to 16°C, max wind 4 mph, overcast, light rain	03:40/20:23
NBW6	05 June 2025	10 to 15°C, max wind 11 mph, broken cloud, dry	03:39/20:24
NBW6	06 June 2025	11 to 16°C, max wind 12 mph, overcast with light rain	03:38/20:25
NBW6	07 June 2025	09 to 15°C, max wind 14 mph, broken cloud, light rain	03:38/20:26
NBW6	08 June 2025	12 to 17°C, max wind 9 mph, overcast with showers, dry	03:37/20:27
NBW6	25 July 2025	17 to 18°C, max wind 6 mph, scattered cloud, dry	04:08/20:10
NBW6	26 July 2025	13 to 19°C, max wind 8 mph, scattered cloud, dry	04:09/20:08
NBW6	27 July 2025	13 to 20°C, max wind 9 mph, clear, dry	04:11/20:07
NBW6	28 July 2025	12 to 17°C, max wind 9 mph, broken cloud, drizzle	04:12/20:05
NBW6	29 July 2025	14 to 20°C, max wind 9 mph, broken cloud, drizzle	04:14/20:04
NBW6	23 August 2025	15 to 21°C, max wind 9 mph, overcast, dry	04:56/19:14
NBW6	24 August 2025	15 to 24°C, max wind 12 mph, clear, dry	04:58/19:11

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
NBW6	25 August 2025	14 to 19°C, max wind 16 mph, scattered cloud, drizzle	05:00/19:09
NBW6	26 August 2025	15 to 20°C, max wind 13 mph, broken cloud, dry	05:01/19:07
NBW6	27 August 2025	13 to 19°C, max wind 12 mph, overcast, dry	05:03/19:05
NBW6	26 September 2025	08 to 15°C, max wind 9 mph, passing clouds, dry	05:55/17:53
NBW6	27 September 2025	10 to 13°C, max wind 9 mph, overcast, rain	05:56/17:50
NBW6	28 September 2025	07 to 14°C, max wind 6 mph, passing clouds, dry	05:58/17:48
NBW6	29 September 2025	10 to 16°C, max wind 5 mph, passing clouds, dry	06:00/17:45
NBW6	30 September 2025	9 to 13°C, max wind 6 mph, overcast, dry, light rain	06:02/17:43
NBW6	26 October 2025	8 to 12°C, max wind 16 mph, passing cloud, dry	06:49/16:44
NBW6	27 October 2025	9 to 13°C, max wind 14 mph, passing cloud, dry	06:51/16:42
NBW6	28 October 2025	8 to 11°C, max wind 13 mph, scattered clouds, light rain	06:53/16:39
NBW6	29 October 2025	5 to 11°C, max wind 10 mph, overcast, dry	06:55/16:37
NBW6	30 October 2025	9 to 15°C max wind 16 mph, broken clouds, rain	06:56/16:35
VP1	02 July 2025	10 to 21°C, max wind 12 mph, passing clouds, dry	03:36/20:35
VP1	03 July 2025	12 to 23°C, max wind 16 mph, clear, dry	03:36/20:35
VP1	04 July 2025	16 to 22°C, max wind 22 mph, overcast, light rain	03:37/20:34
VP1	05 July 2025	16 to 19°C, max wind 10 mph, scattered cloud, dry	03:38/20:33
VP1	06 July 2025	12 to 18°C, max wind 13 mph, overcast, drizzle	03:39/20:33
VP1	02 August 2025	11 to 20°C, max wind 13 mph, clear, dry	04:17/19:58

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
VP1	03 August 2025	15 to 20°C, max wind 17 mph, overcast, light rain	04:19/19:56
VP1	04 August 2025	14 to 18°C, max wind 19 mph, broken clouds, dry	04:20/19:54
VP1	05 August 2025	11 to 20°C, max wind 14 mph, clear, dry	04:22/19:52
VP1	06 August 2025	14 to 20°C, max wind 18 mph, clear, dry	04:24/19:50
VP1	03 September 2025	12 to 18°C, max wind 12 mph, passing clouds, rain	05:13/18:48
VP1	04 September 2025	10 to 19°C, max wind 10 mph, clear, dry	05:15/18:46
VP1	05 September 2025	11 to 20°C, max wind 7 mph, clear, dry	05:16/18:43
VP1	06 September 2025	15 to 24°C, max wind 14 mph, clear, dry	05:18/18:41
VP1	07 September 2025	12 to 19°C, max wind 16 mph, clear, dry	05:20/18:38
VP1	02 October 2025	14 to 16°C, max wind 21 mph, overcast, light rain	06:04/17:37
VP1	03 October 2025	10 to 17°C, max wind 20 mph, overcast, light rain	06:06/17:34
VP1	04 October 2025	11 to 15°C, max wind 19 mph, passing clouds, dry	06:08/17:32
VP1	05 October 2025	12 to 18°C, max wind 16 mph, scattered clouds, light rain	06:10/17:29
VP1	06 October 2025	12 to 19°C, max wind 13 mph, clear, dry	06:10/17:29
VP1	06 October 2025	12 to 19°C, max wind 13 mph, clear, dry	06:12/17:27
VP2	10 June 2025	8 to 19°C, max wind 11 mph, passing clouds, dry	03:35/20:30
VP2	11 June 2025	11 to 22°C, max wind 16 mph, broken cloud, dry	03:34/20:31
VP2	12 June 2025	13 to 24°C, max wind 17 mph, broken cloud, dry	03:34/20:31
VP2	13 June 2025	16 to 25°C, max wind 14 mph, scattered cloud, dry	03:34/20:32

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
VP2	14 June 2025	13 to 22°C, max wind 11 mph, scattered cloud, dry	03:33/20:33
VP2	09 July 2025	15 to 24°C, max wind 9 mph, passing clouds, dry	03:45/20:30
VP2	10 July 2025	16 to 23°C, max wind 9 mph, clear, dry	03:46/20:29
VP2	11 July 2025	14 to 23°C, max wind 11 mph, clear, dry	03:47/20:28
VP2	12 July 2025	16 to 23°C, max wind 10 mph, clear, dry	03:49/20:27
VP2	13 July 2025	17 to 24°C, max wind 11 mph, scattered cloud, dry	03:50/20:26
VP2	09 August 2025	13 to 21°C, max wind 9 mph, overcast dry	04:31/19:44
VP2	10 August 2025	15 to 25°C, max wind 6 mph, clear, dry	04:33/19:42
VP2	11 August 2025	16 to 24°C, max wind 11 mph, scattered cloud, dry	04:35/19:40
VP2	12 August 2025	15 to 28°Cc, max wind 9 mph, scattered cloud, dry	04:36/19:38
VP2	13 August 2025	15 to 28°C, max wind 12 mph, broken cloud, dry	04:38/19:36
VP2	10 September 2025	11 to 17°C, max wind 16 mph, passing clouds, dry	05:27/18:32
VP2	11 September 2025	09 to 16°C, max wind 16 mph, clear, dry	05:29/18:29
VP2	12 September 2025	11 to 16°C, max wind 15 mph, broken cloud, dry	05:30/18:27
VP2	13 September 2025	09 to 15°C, max wind 10 mph, broken cloud, dry	05:32/18:24
VP2	14 September 2025	13 to 16°C, max wind 20 mph, overcast, light rain	05:34/18:22
VP2	09 October 2025	10 to 15°C, max wind 9 mph, overcast, rain	06:18/17:21
VP2	10 October 2025	9 to 14°C, max wind 6 mph, overcast, dry	06:20/17:19
VP2	11 October 2025	6 to 14°C, max wind 4 mph, clear, dry	06:22/17:17

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
VP2	12 October 2025	11 to 13°C, max wind 5 mph, clear, dry	06:23/17:14
VP2	13 October 2025	11 to 12°c, max wind 5 mph, overcast, drizzle	06:25/17:12
VP3	18 April 2025	9 to 15°c, max wind 17 mph, overcast, light rain	04:57/19:09
VP3	19 April 2025	6 to 11°c, max wind 14 mph, overcast, dry	04:55/19:10
VP3	20 April 2025	6 to 12°c, max wind 10 mph, partly cloudy, dry	04:53/19:12
VP3	21 April 2025	6 to 12°c, max wind 11 mph, partly cloudy, dry	04:51/19:14
VP3	22 April 2025	7 to 13°c, max wind 11 mph, broken cloud, dry	04:49/19:16
VP3	23 April 2025	7 to 16°c, max wind 15 mph, light rain	04:46/19:18
VP3	28 May 2025	11 to 17°c, max wind 8 mph, partly cloudy, rain	03:45/20:16
VP3	29 May 2025	12 to 20°c, max wind 19 mph, scattered cloud, dry	03:45/20:16
VP3	30 May 2025	12 to 19°C, max wind 12 mph, partly cloudy, dry	03:44/20:17
VP3	31 May 2025	12 to 22°C, max wind 12 mph, clear., dry	03:43/20:19
VP3	01 June 2025	09 to 16°C, max wind 10 mph, clear, dry	03:42/20:20
VP3	18 June 2025	12 to 23°C, max wind 9 mph, clear, dry	03:34/20:34
VP3	19 June 2025	14 to 26°C, max wind 11 mph, passing clouds, dry	03:34/20:35
VP3	20 June 2025	13 to 26°C, max wind 12 mph, scattered cloud, dry	03:34/20:35
VP3	21 June 2025	16 to 22°C, max wind 16 mph, scattered cloud, dry	03:34/20:35
VP3	22 June 2025	12 to 16°C, max wind 17 mph, broken cloud, dry	03:34/20:36
VP3	16 July 2025	13 to 21°C, max wind 8 mph, partly sunny, dry	03:54/20:23

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
VP3	17 July 2025	18 to 25°C, max wind 5 mph, partly sunny, dry	03:56/20:22
VP3	18 July 2025	14 to 19°C, max wind 12 mph, scattered cloud, dry	03:57/20:21
VP3	19 July 2025	16 to 19°C, max wind 11 mph, scattered cloud, dry	03:58/20:20
VP3	20 July 2025	13 to 20°C, max wind 7 mph, broken cloud, dry	04:00/20:18
VP3	16 August 2025	11 to 18°C, max wind 7 mph, overcast, dry	04:44/19:30
VP3	17 August 2025	15 to 18°C, max wind 11 mph, clear, drizzle	04:45/19:28
VP3	18 August 2025	14 to 16°C, max wind 11 mph, overcast, drizzle	04:47/19:26
VP3	19 August 2025	13 to 16°C, max wind 11 mph, broken cloud, dry	04:49/19:23
VP3	20 August 2025	13 to 16°C, max wind 13 mph, clear, dry	04:51/19:21
VP3	17 September 2025	14 to 20°C, max wind 14 mph, passing clouds, drizzle	05:39/18:15
VP3	18 September 2025	15 to 20°C, max wind 16 mph, passing clouds, dry	05:41/18:12
VP3	19 September 2025	12 to 17°C, max wind 10 mph, overcast, drizzle	05:43/18:10
VP3	20 September 2025	08 to 12°C, max wind 17 mph, overcast, light rain	05:45/18:08
VP3	21 September 2025	05 to 12°C, max wind 9 mph, broken cloud, dry	05:46/18:05
VP3	16 October 2025	10 to 12°C, max wind 5 mph, overcast, dry	06:31/17:05
VP3	17 October 2025	9 to 12°C, max wind 7 mph, overcast, dry	06:33/17:03
VP3	18 October 2025	9 to 14°C, max wind 13 mph, overcast, dry	06:35/17:01
VP3	19 October 2025	11 to 14°C, max wind 17 mph, overcast, rain	06:37/16:59
VP3	20 October 2025	11 to 14°C, max wind 11 mph, passing cloud, dry	06:38/16:56

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
VP4	24 April 2025	7 to 12°C, max wind 7 mph, broken cloud, dry	04:44/19:19
VP4	25 April 2025	7 to 13°C, max wind 11 mph, broken cloud, dry	04:42/19:21
VP4	26 April 2025	8 to 13°C, max wind 7 mph, clear, dry	04:40/19:23
VP4	27 April 2025	10 to 20°C, max wind 12 mph, scattered cloud, dry	04:38/19:24
VP4	28 April 2025	10 to 21°C, max wind 5 mph, broken cloud, dry	04:36/19:26
VP4	22 May 2025	5 to 15°C, max wind 6 mph, broken cloud, dry	03:53/20:06
VP4	23 May 2025	11 to 18°C, max wind 11 mph, scattered cloud, dry	03:52/20:08
VP4	24 May 2025	14 to 19°C, max wind 14 mph, scattered cloud, light rain	03:51/20:09
VP4	25 May 2025	09 to 17°C, max wind 14 mph, partly cloudy, dry	03:49/20:11
VP4	26 May 2025	12 to 16°C, max wind 21 mph, partly cloudy, light rain	03:48/20:12
VP4	27 May 2025	11 to 17°C, max wind 8 mph, partly cloudy, rain	03:47/20:14
VP4	28 May 2025	11 to 17°C, max wind 8 mph, partly cloudy, rain	03:46/20:15
VP4	18 June 2025	12 to 23°C, max wind 9 mph, clear, dry	03:34/20:34
VP4	19 June 2025	14 to 26°C, max wind 11 mph, passing clouds, dry	03:34/20:34
VP4	20 June 2025	13 to 26°C, max wind 12 mph, scattered cloud, dry	03:34/20:34
VP4	21 June 2025	16 to 22°C, max wind 16 mph, scattered cloud, dry	03:34/20:35
VP4	22 June 2025	12 to 16°C, max wind 17 mph, broken cloud, dry	03:35/20:35
VP4	22 July 2025	15 to 20°C, max wind 10 mph, overcast, dry	04:03/20:15
VP4	23 July 2025	15 to 18°C, max wind 12 mph, scattered clouds, dry	04:04/20:13

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
VP4	24 July 2025	14 to 21°C, max wind 7 mph, broken clouds, dry	04:06/20:12
VP4	25 July 2025	17 to 18°C, max wind 6 mph, scattered cloud, dry	04:07/20:10
VP4	26 July 2025	13 to 19°C, max wind 8 mph, scattered cloud, dry	04:09/20:09
VP4	16 August 2025	11 to 18°C, max wind 7 mph, overcast, dry	04:44/19:29
VP4	17 August 2025	15 to 18°C, max wind 11 mph, clear, drizzle	04:46/19:27
VP4	18 August 2025	14 to 16°C, max wind 11 mph, overcast, drizzle	04:47/19:25
VP4	19 August 2025	13 to 16°C, max wind 11 mph, broken cloud, dry	04:49/19:23
VP4	20 August 2025	13 to 16°C, max wind 13 mph, clear, dry	04:51/19:21
VP4	18 September 2025	15 to 20°C, max wind 16 mph, passing clouds, dry	05:41/18:12
VP4	19 September 2025	12 to 17°C, max wind 10 mph, overcast, drizzle	05:43/18:10
VP4	20 September 2025	08 to 12°C, max wind 17 mph, overcast, light rain	05:44/18:07
VP4	21 September 2025	05 to 12°C, max wind 9 mph, broken cloud, dry	05:46/18:05
VP4	22 September 2025	07 to 14°C, max wind 8 mph, broken cloud, dry	05:48/18:02
VP4	16 October 2025	10 to 12°C, max wind 5 mph, overcast, dry	06:31/17:05
VP4	17 October 2025	9 to 12°C, max wind 7 mph, overcast, dry	06:32/17:03
VP4	18 October 2025	9 to 14°C, max wind 13 mph, overcast, dry	06:34/17:01
VP4	19 October 2025	11 to 14°C, max wind 17 mph, overcast, rain	06:36/16:59
VP4	20 October 2025	11 to 14°C, max wind 11 mph, passing cloud, dry	06:38/16:56
VP5	24 April 2025	7 to 12°C, max wind 7 mph, broken cloud, dry	04:44/19:19

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
VP5	25 April 2025	7 to 13°C, max wind 9 mph, broken cloud, dry	04:42/19:21
VP5	26 April 2025	8 to 13°C, max wind 7 mph, clear, dry	04:40/19:22
VP5	27 April 2025	10 to 20°C, max wind 12 mph, scattered cloud, dry	04:38/19:24
VP5	28 April 2025	10 to 21°C, max wind 5 mph, broken cloud, dry	04:36/19:26
VP5	28 May 2025	11 to 17°C, max wind 8 mph, partly cloudy, rain	03:46/20:15
VP5	29 May 2025	12 to 20°C, max wind 19 mph, scattered cloud, dry	03:45/20:16
VP5	30 May 2025	12 to 19°C, max wind 12 mph, partly cloudy, dry	03:44/20:17
VP5	31 May 2025	12 to 22°C, max wind 12 mph, clear., dry	03:43/20:19
VP5	01 June 2025	09 to 16°Cc, max wind 10 mph, clear, dry	03:42/20:20
VP5	02 June 2025	11 to 19°C, max wind 19 mph, broken cloud, dry	03:41/20:21
VP5	25 June 2025	17 to 23°C, max wind 16 mph, sunny., dry	03:36/20:35
VP5	26 June 2025	14 to 21°C, max wind 15 mph, scattered clouds., dry	03:36/20:35
VP5	27 June 2025	20 to 26°C, max wind 17 mph, partly sunny, dry	03:37/20:35
VP5	28 June 2025	18 to 23°C, max wind 14 mph, overcast, dry	03:37/20:35
VP5	29 June 2025	16 to 27°C, max wind 14 mph, overcast, dry	03:38/20:34
VP5	22 July 2025	15 to 20°C, max wind 10 mph, overcast, dry	04:03/20:15
VP5	23 July 2025	15 to 18°C, max wind 12 mph, scattered clouds, dry	04:04/20:13
VP5	24 July 2025	14 to 21°C, max wind 7 mph, broken clouds, dry	04:06/20:12
VP5	25 July 2025	17 to 18°C, max wind 6 mph, scattered cloud, dry	04:08/20:10

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
VP5	26 July 2025	13 to 19°C, max wind 8 mph, scattered cloud, dry	04:09/20:09
VP5	23 August 2025	15 to 21°C, max wind 9 mph, overcast, dry	04:56/19:14
VP5	24 August 2025	15 to 24°C, max wind 12 mph, clear, dry	04:58/19:12
VP5	25 August 2025	14 to 19°C, max wind 16 mph, scattered cloud, drizzle	04:59/19:10
VP5	26 August 2025	15 to 20°C, max wind 13 mph, broken cloud, dry	05:01/19:07
VP5	27 August 2025	13 to 19°C, max wind 12 mph, overcast, dry	05:03/19:05
VP5	25 September 2025	09 to 14°C, max wind 8 mph, passing clouds, dry	05:53/17:55
VP5	26 September 2025	08 to 15°C, max wind 9 mph, passing clouds, dry	05:55/17:53
VP5	27 September 2025	10 to 13°C, max wind 9 mph, overcast, rain	05:57/17:50
VP5	28 September 2025	07 to 14°C, max wind 6 mph, passing clouds, dry	05:58/17:48
VP5	29 September 2025	10 to 16°C, max wind 5 mph, passing clouds, dry	06:00/17:45
VP5	23 October 2025	5 to 10°C, max wind 13 mph, clear, dry	06:44/16:50
VP5	24 October 2025	8 to 9°C, max wind 14 mph, overcast, drizzle	06:46/16:48
VP5	25 October 2025	3 to 9°C, max wind 11 mph, clear, dry	06:47/16:46
VP5	26 October 2025	8 to 12°C, max wind 16 mph, passing cloud, dry	06:49/16:44
VP5	27 October 2025	9 to 13°C, max wind 14 mph, passing cloud, dry	06:51/16:41
VP6	24 July 2025	14 to 21°C, max wind 7 mph, broken clouds, dry	04:06/20:12
VP6	25 July 2025	17 to 18°C, max wind 6 mph, scattered cloud, dry	04:08/20:10
VP6	26 July 2025	13 to 19°C, max wind 8 mph, scattered cloud, dry	04:09/20:09

Automated Static Bat Detector Location	Date	Weather conditions	Sunrise/Sunset
VP6	27 July 2025	13 to 20°C, max wind 9 mph, clear, dry	04:11/20:07
VP6	28 July 2025	12 to 17°C, max wind 9 mph, broken cloud, drizzle	04:12/20:06
VP6	01 August 2025	14 to 17°C, max wind 10 mph, overcast, dry	04:19/19:59
VP6	02 August 2025	12 to 19°C, max wind 12 mph, clear, dry	04:20/19:57
VP6	03 August 2025	15 to 20°C, max wind 19 mph, clear, dry	04:22/19:55
VP6	04 August 2025	13 to 17°C, max wind 17 mph, scattered cloud, dry	04:24/19:53
VP6	05 August 2025	11 to 19°C, max wind 12 mph, overcast, dry	04:25/19:52

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