

NIGHT VISION AID ANALYSIS REPORT

RBM_0434

49 Nicholas Way, Northwood

Report generated: 21 July 2026

Prepared for: **Shyam Thakrar**

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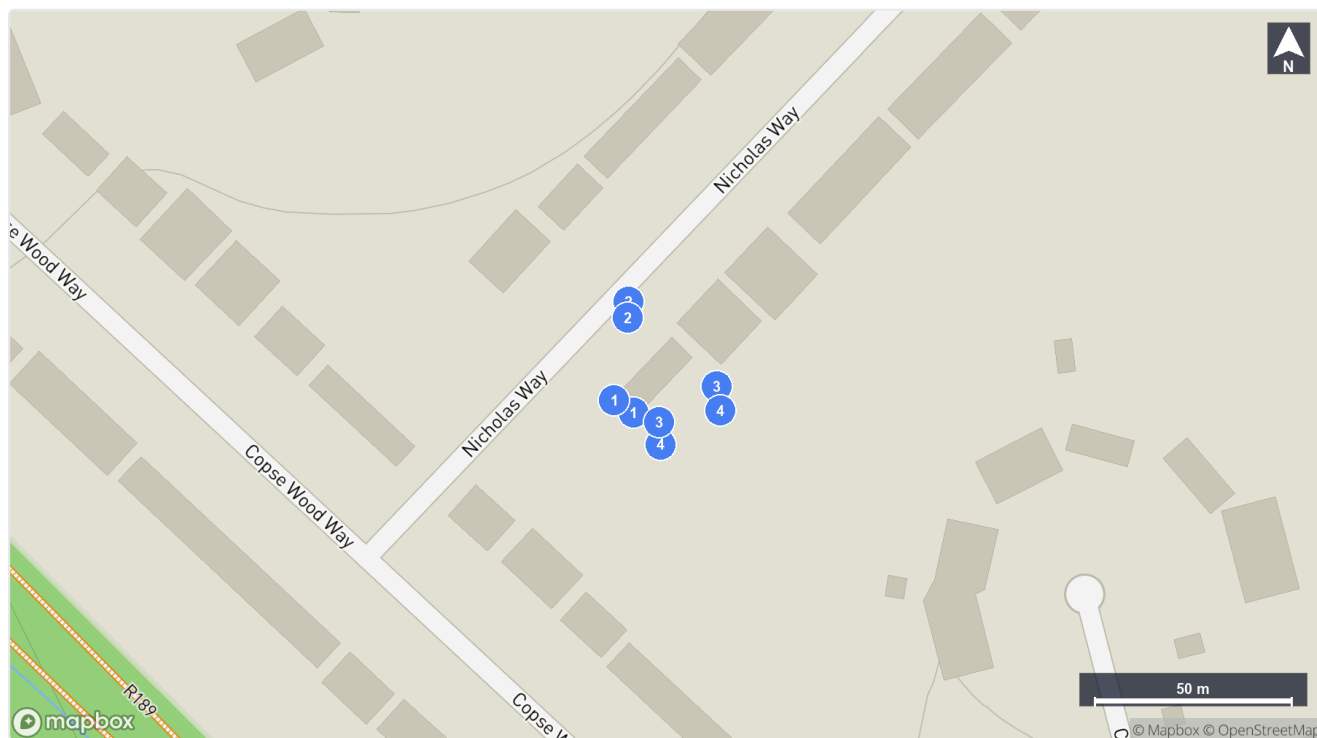
Prepared by: **Peter Kimberg**

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Site Context



Site overview showing camera deployment locations.

Survey Summary

Survey date	Surveyors	Cameras	Temp	Wind (mph)	Cloud (oktas)	Rain	Emergence/ Re-entry	Species - Roost type
20 May 2026	P. Kimberg, A. McCormack	4	13.0°C	5	5	None	Yes	Soprano pipistrelle (Pipistrellus pygmaeus) - Day Roost, Unknown - Day Roost
08 Jul 2026	P. Kimberg	4	25.0°C	8	0	None	Yes	Soprano pipistrelle (Pipistrellus pygmaeus)

Methodology

The bat emergence/re-entry survey(s) were undertaken in line with the BCT Good Practice Guidelines (4th Edition).

Surveyors arrived prior to the survey in order to set up survey equipment appropriate for the site, comprehensively surveying the features identified as having bat roosting potential in the PBRA.

The recording equipment (Night Vision Aids (NVA)) used were:

- Canon XA50
- Nightfox Nova
- Nightfox Whisker
- Pixfra Arc A613

Supplemental lighting was provided by:

- Nightfox ARC
- Nightfox Arc

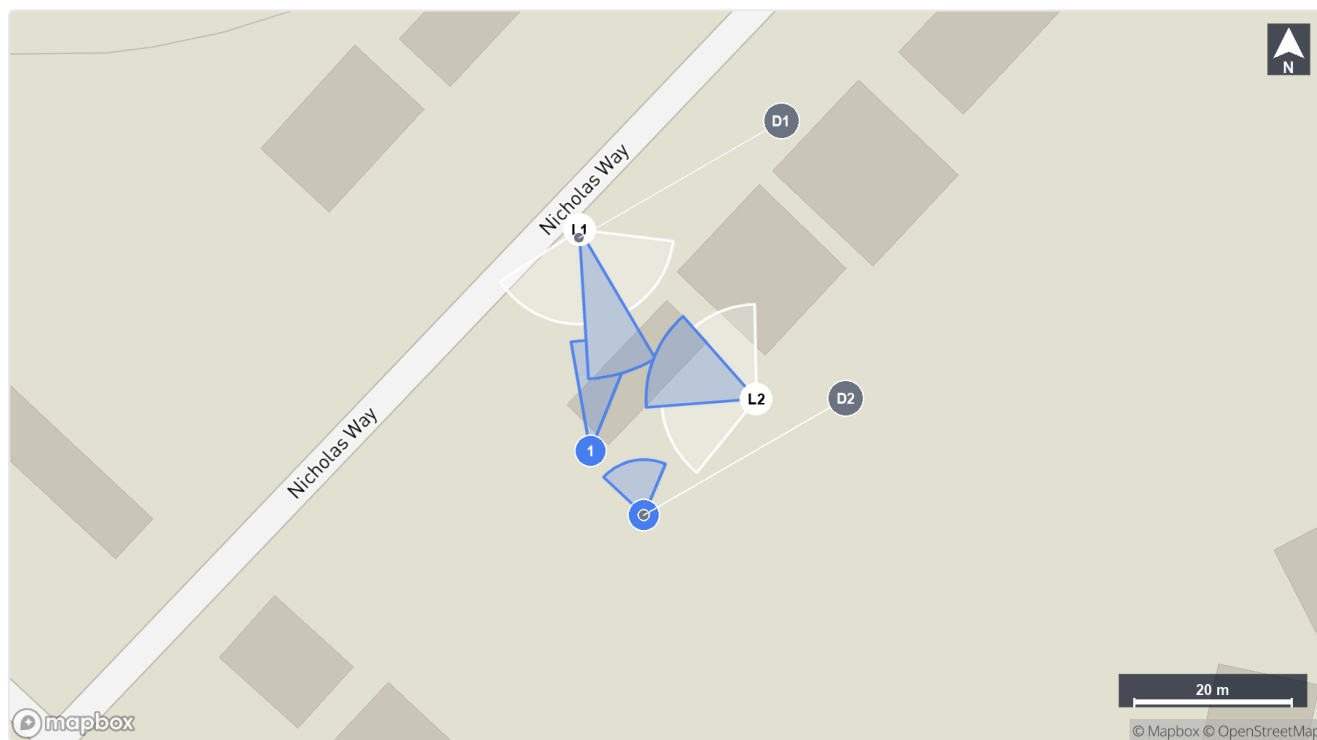
Ultra-sonic acoustic recording equipment used comprised the following detector models:

- Echo Meter Touch EMT 2
- Echo Meter Touch EMT 2 Pro
- Wildlife Acoustics EMT2
- Wildlife Acoustics EMT2 Pro

Analysis of footage recorded during the survey was undertaken using NightARC NVA analysis software, and analysis of ultrasonic acoustic recordings was carried out using SonoBat version 30.1 with the UK South Coast regional classifier, supplemented by manual review where necessary.

Survey 1 · Emergence survey · 20 May 2026

Surveyors: P. Kimberg, A. McCormack **Sunrise / Sunset:** 05:02 / 20:54 **Recording period:** 20:26 – 22:58
Temperature: 13.0°C **Wind:** 5 mph **Cloud cover:** 5 oktas **Rain:** None



Camera locations for survey on 20 May 2026. Cones show camera field of view.

Camera Overview

Fig Ref	Camera	Location	Start	End	Passes	Species recorded	Species - Roost type
1	Pixfra Pixfra Arc A613	South-western facade	20:31	22:54	0	—	—
2	Nightfox1 Nightfox Whisker	North-western facade	20:35	22:58	4	Common pipistrelle (Pipistrellus pipistrellus), Soprano pipistrelle (Pipistrellus pygmaeus), Unknown	Soprano pipistrelle (Pipistrellus pygmaeus) - Day Roost, Unknown - Day Roost
3	Nightfox2 Nightfox Whisker	South-eastern facade	20:35	22:46	10	Unknown	—
4	Canon Canon XA50	South-eastern facade	20:26	22:21	11	Unknown	—

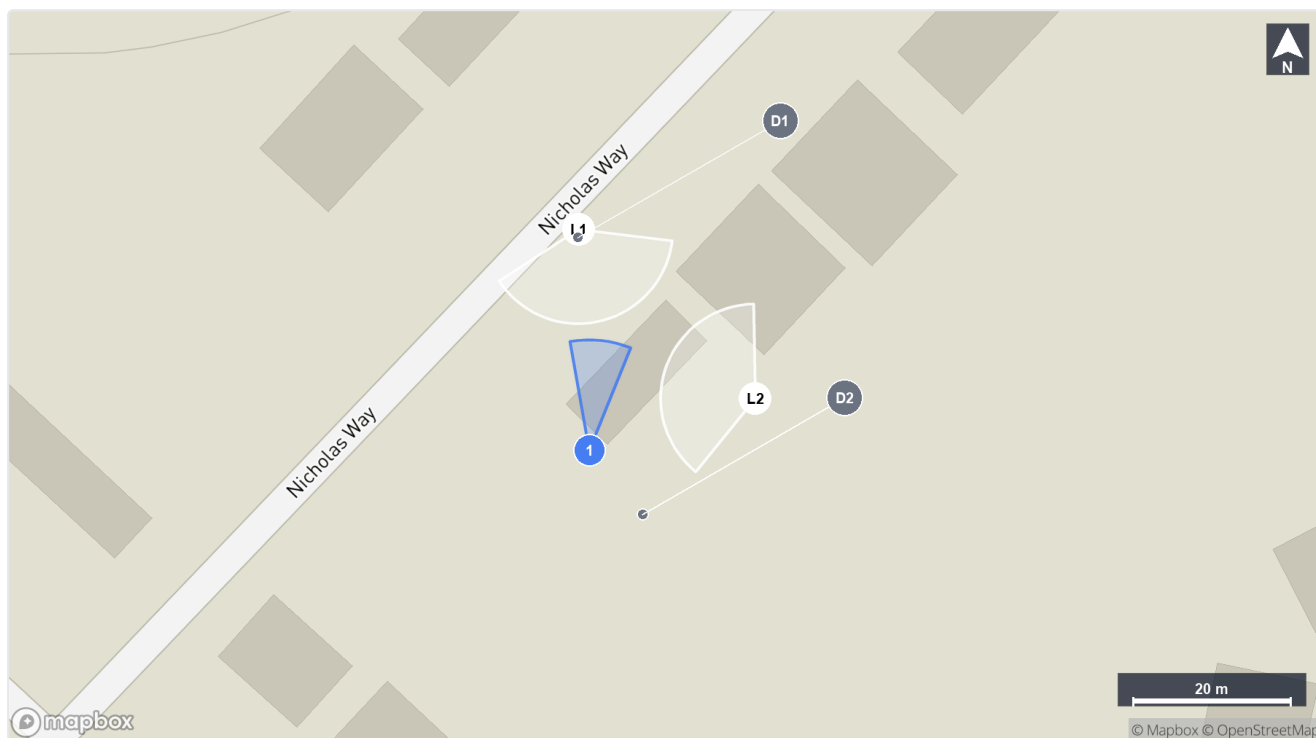
IR Lighting

Ref	Make / Model	FOV	Distance	Direction
L1	Nightfox Arc	140°	12 m	167°
L2	Nightfox Arc	140°	12 m	289°

Acoustic Detectors

Ref	Make / Model
D1	Echo Meter Touch EMT 2 Pro
D2	Echo Meter Touch EMT 2

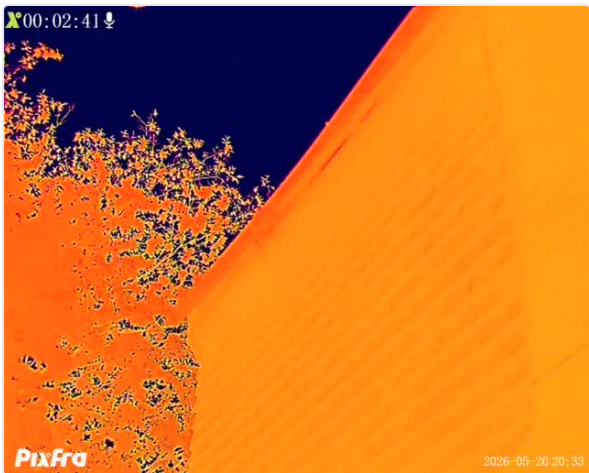
[1] Pixfra · South-western facade



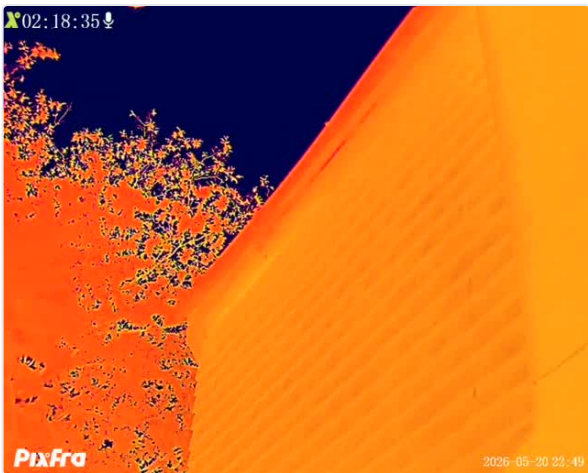
Camera location and field of view.

No bat activity was recorded on this camera during the survey.

Start & Dark Point Evidence

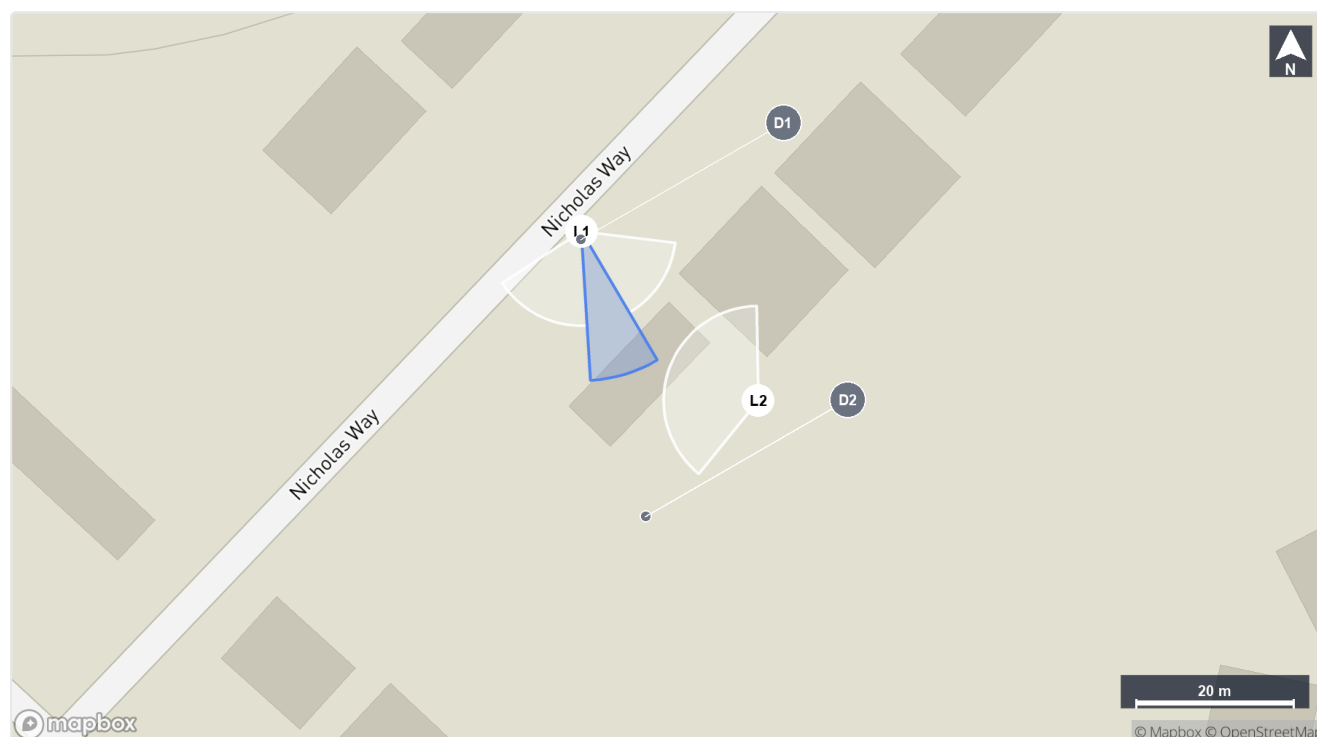


Start Point
20:31



Dark Point
21:19

[2] Nightfox1 · North-western facade



Camera location and field of view.

Time	Species	Passes	Direction	Roost / AP Type	Roost / AP Ref.	Notes
21:14	Soprano pipistrelle (Pipistrellus pygmaeus)	1	Emerged	Day Roost	A	
21:50	Common pipistrelle (Pipistrellus pipistrellus)	1	—	—	—	Commuting
21:52	Common pipistrelle (Pipistrellus pipistrellus)	1	—	—	—	Commuting
22:14	Unknown	1	Emerged	Day Roost	B	No corresponding echolocation call was recorded. The late emergence time and absence of an associated call are consistent with brown long-eared bat; however, species could not be confirmed.

Access & Emergence Point Evidence



Emerged **1 pass** **A**
Soprano pipistrelle (*Pipistrellus pygmaeus*)
Day Roost
21:14



Emerged **1 pass** **B**
Unknown
Day Roost
22:14

Start & Dark Point Evidence

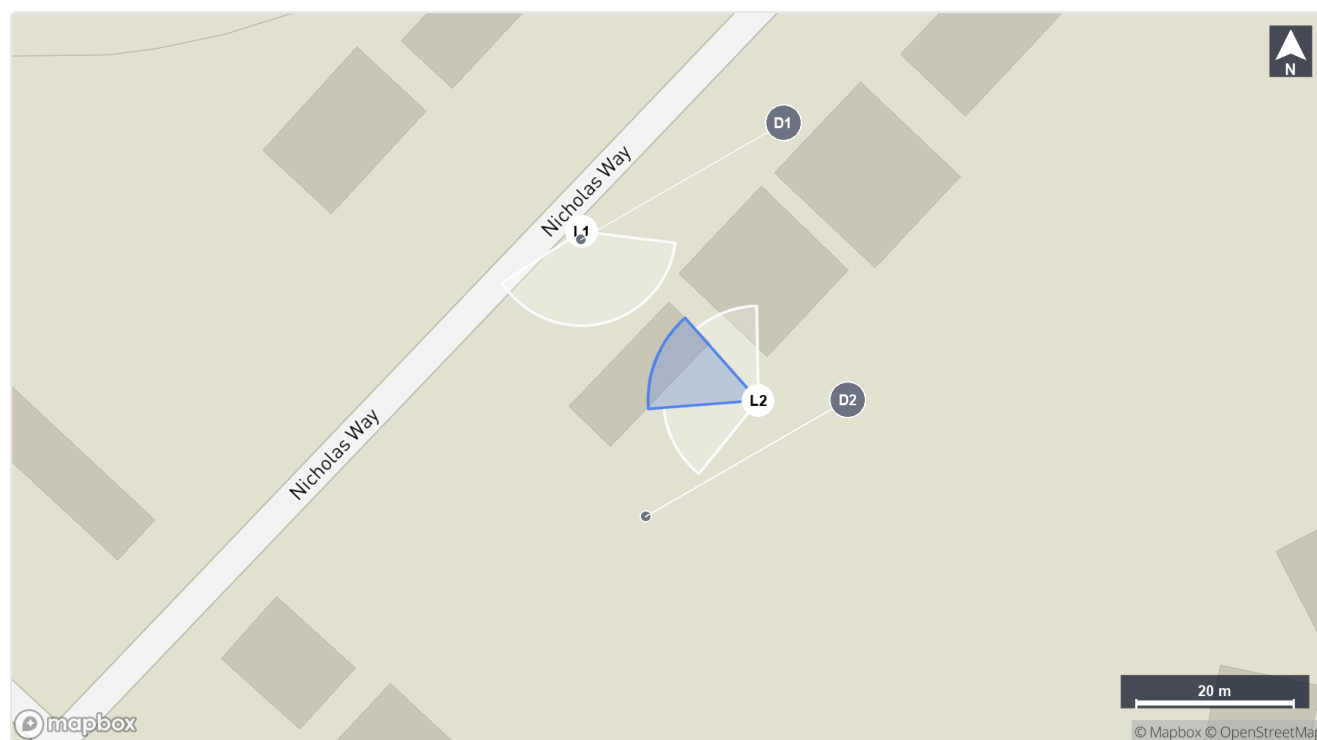


Start Point
20:35



Dark Point
22:52

[3] Nightfox2 · South-eastern facade



Camera location and field of view.

Time	Species	Passes	Direction	Roost / AP Type	Roost / AP Ref.	Notes
21:16	Unknown	1	—	—	—	Commuting
21:18	Unknown	1	—	—	—	Commuting
21:18	Unknown	1	—	—	—	Commuting
21:20	Unknown	1	—	—	—	Commuting
21:21	Unknown	1	—	—	—	Commuting
21:23	Unknown	1	—	—	—	Commuting
21:37	Unknown	2	—	—	—	Commuting
21:38	Unknown	1	—	—	—	Commuting
21:42	Unknown	1	—	—	—	Commuting

Start & Dark Point Evidence

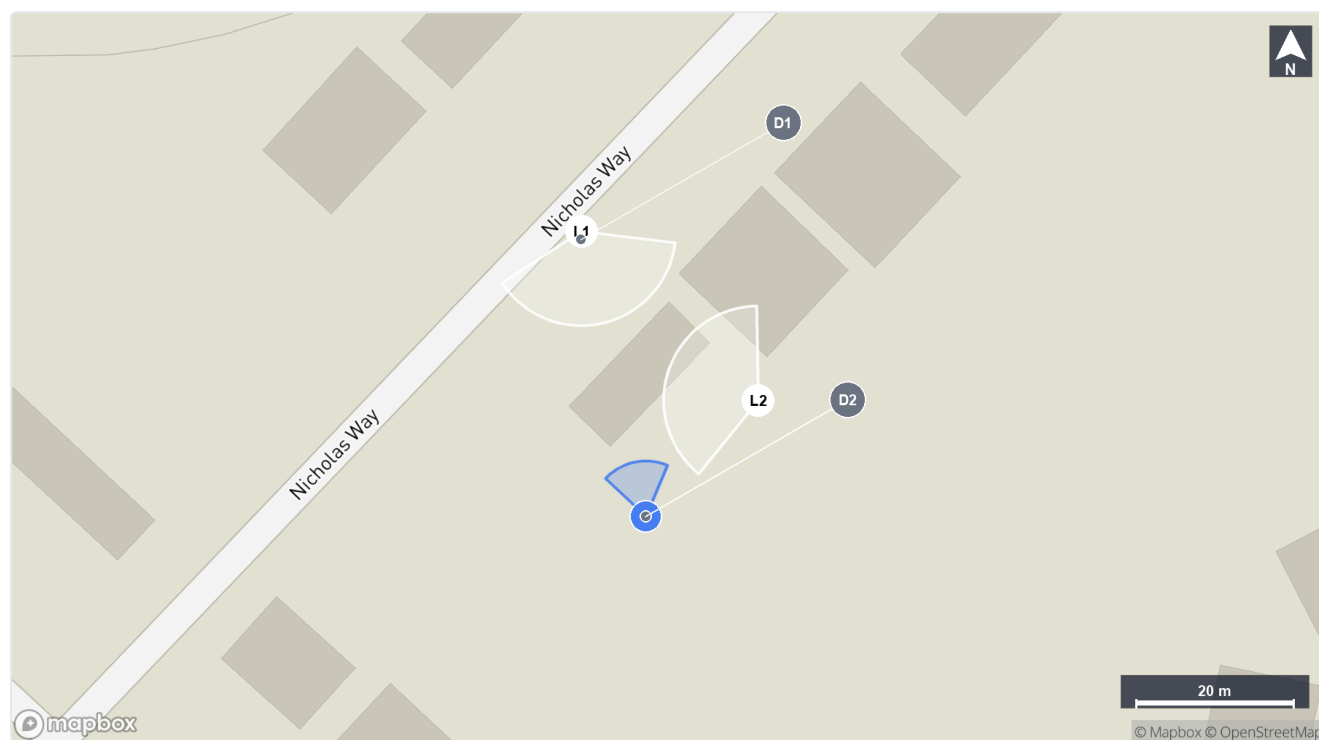


Start Point
20:35



Dark Point
22:40

[4] Canon · South-eastern facade



Camera location and field of view.

Time	Species	Passes	Direction	Roost / AP Type	Roost / AP Ref.	Notes
21:20	Unknown	1	—	—	—	Commuting
21:21	Unknown	1	—	—	—	Commuting, foraging
21:21	Unknown	1	—	—	—	Commuting, foraging
21:21	Unknown	1	—	—	—	Commuting, foraging
21:22	Unknown	1	—	—	—	Commuting
21:22	Unknown	1	—	—	—	Commuting
21:23	Unknown	1	—	—	—	Commuting
21:24	Unknown	1	—	—	—	Commuting
21:40	Unknown	1	—	—	—	Commuting
21:43	Unknown	2	—	—	—	Commuting

Start & Dark Point Evidence



Start Point
20:26

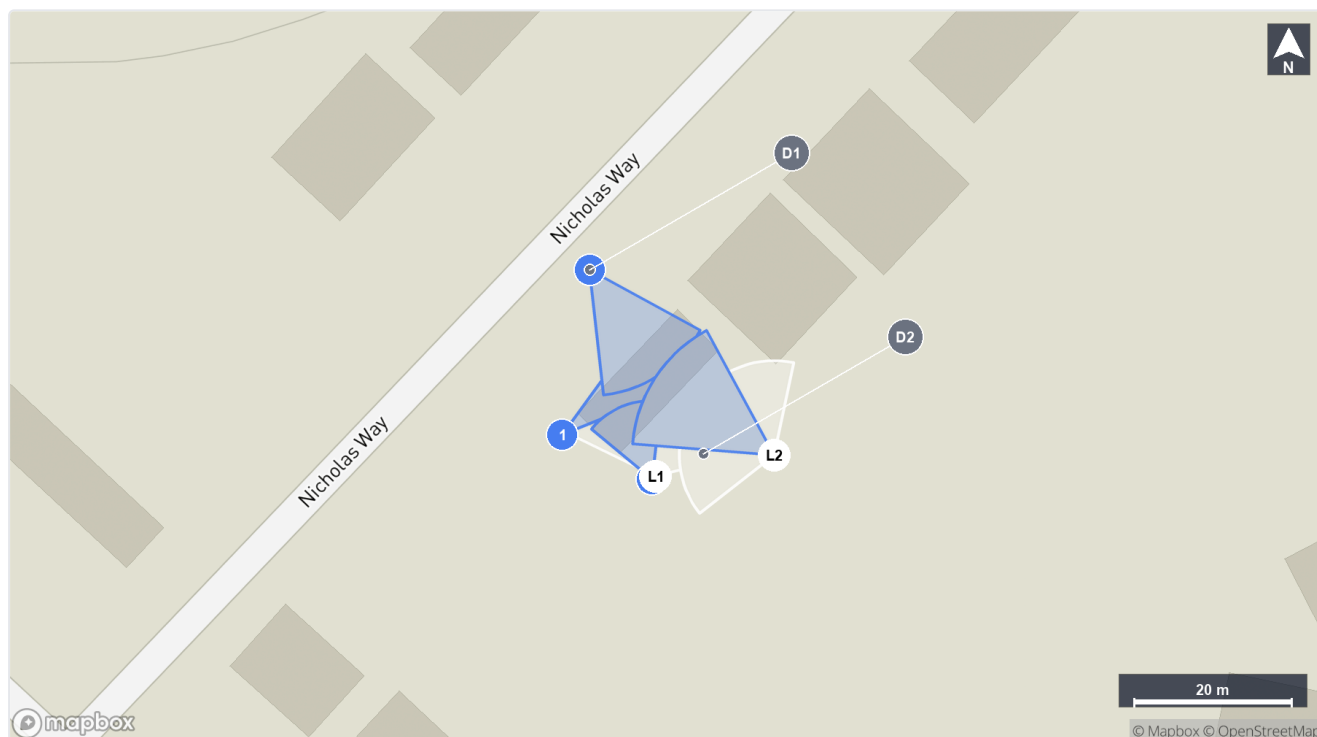


Dark Point
22:15

Survey 2 · Emergence survey · 08 July 2026

Surveyors: P. Kimberg Sunrise / Sunset: 04:54 / 21:18 Recording period: 20:57 – 23:31

Temperature: 25.0°C Wind: 8 mph Cloud cover: 0 oktas Rain: None



Camera locations for survey on 08 July 2026. Cones show camera field of view.

Camera Overview

Fig Ref	Camera	Location	Start	End	Passes	Species recorded	Species - Roost type
1	Pixfra Pixfra Arc A613	South-western facade	21:02	23:28	0	—	—
2	Nova Nightfox Nova	North-western facade	21:02	23:27	3	Soprano pipistrelle (Pipistrellus pygmaeus)	Soprano pipistrelle (Pipistrellus pygmaeus)
3	Whisker1 Nightfox Whisker	South-eastern facade	21:05	23:31	0	—	—
4	Whisker2 Nightfox Whisker	South-eastern facade	20:57	23:25	26	Unknown	—

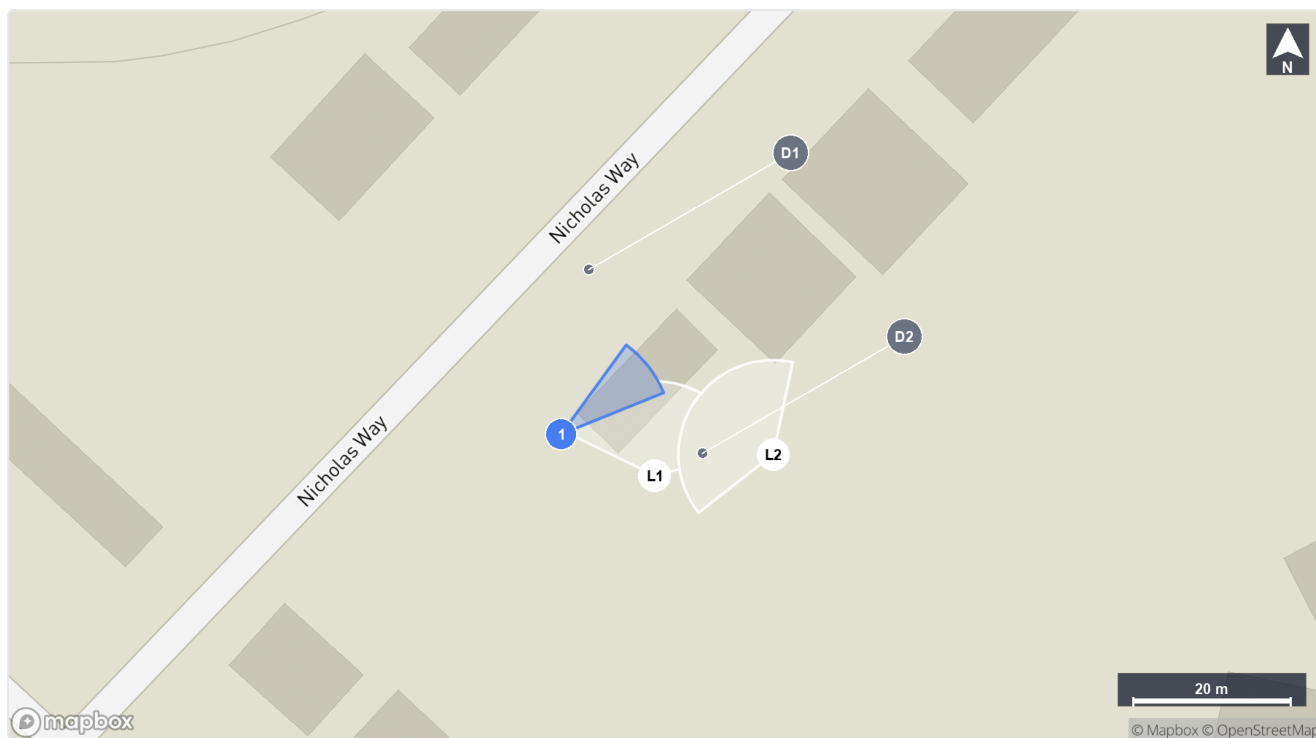
IR Lighting

Ref	Make / Model	FOV	Distance	Direction
L1	Nightfox ARC	140°	12 m	6°
L2	—	140°	12 m	302°

Acoustic Detectors

Ref	Make / Model
D1	Wildlife Acoustics EMT2 Pro
D2	Wildlife Acoustics EMT2

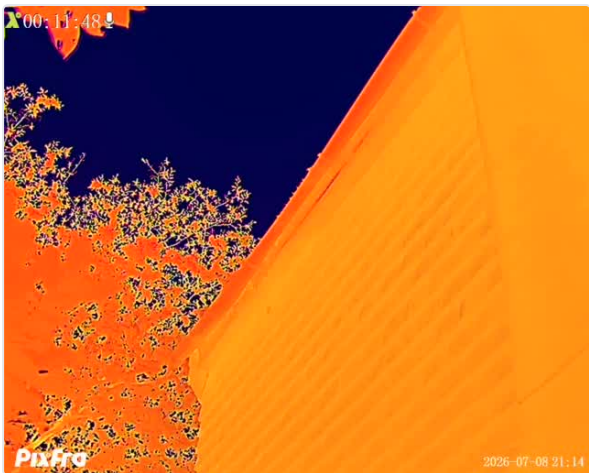
[1] Pixfra · South-western facade



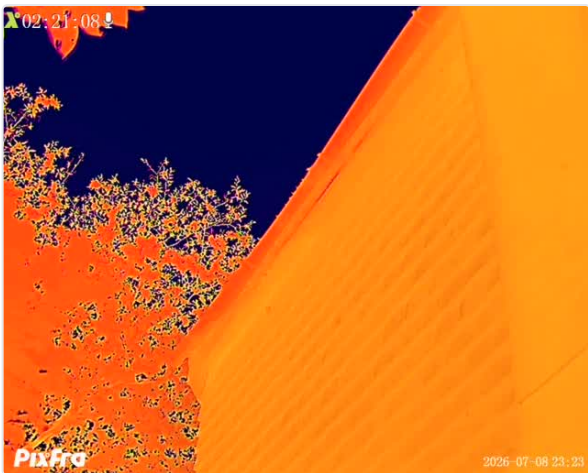
Camera location and field of view.

No bat activity was recorded on this camera during the survey.

Start & Dark Point Evidence

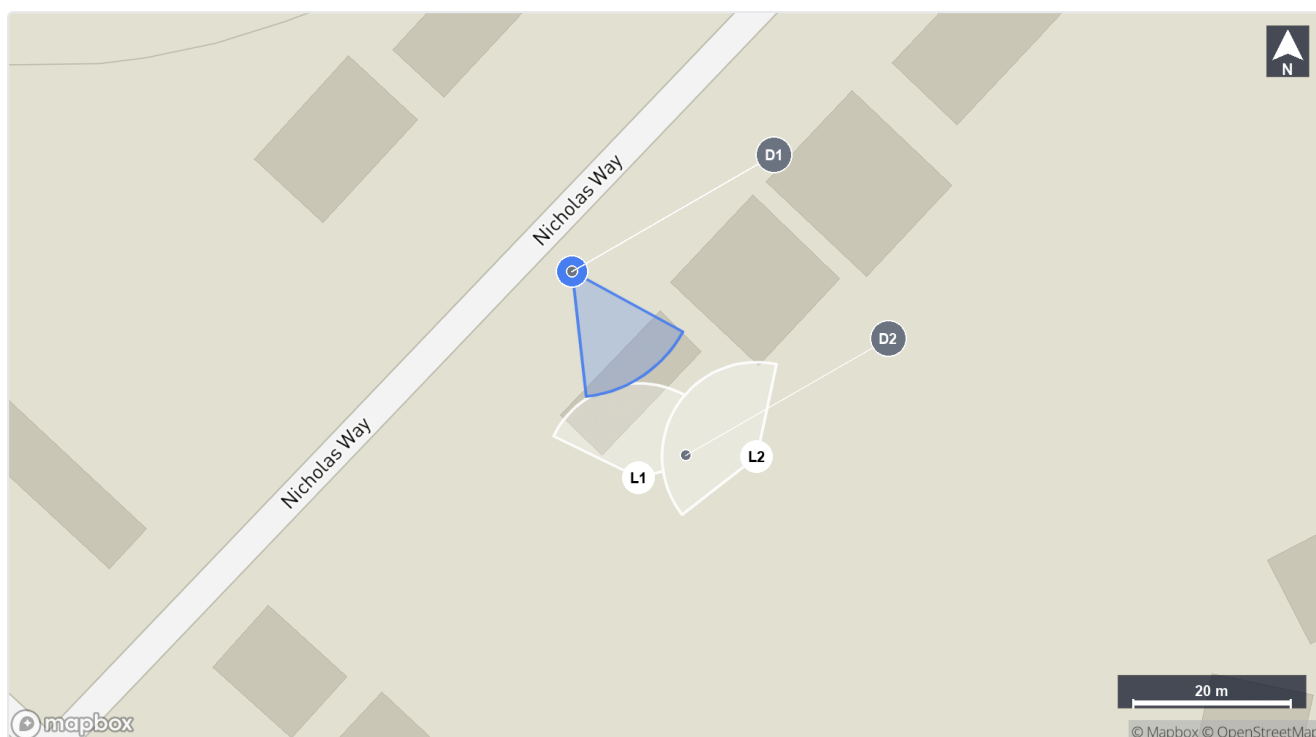


Start Point
21:02



Dark Point
00:53

[2] Nova · North-western facade



Camera location and field of view.

Time	Species	Passes	Direction	Roost / AP Type	Roost / AP Ref.	Notes
21:39	Soprano pipistrelle (Pipistrellus pygmaeus)	1	Emerged	—	A	
23:00	Soprano pipistrelle (Pipistrellus pygmaeus)	1	—	—	—	Bat flying in proximity of roost
23:04	Soprano pipistrelle (Pipistrellus pygmaeus)	1	—	—	—	Bat flying in proximity of roost

Access & Emergence Point Evidence



Emerged **1 pass** **A**
 Soprano pipistrelle (Pipistrellus pygmaeus)
 21:39

Start & Dark Point Evidence

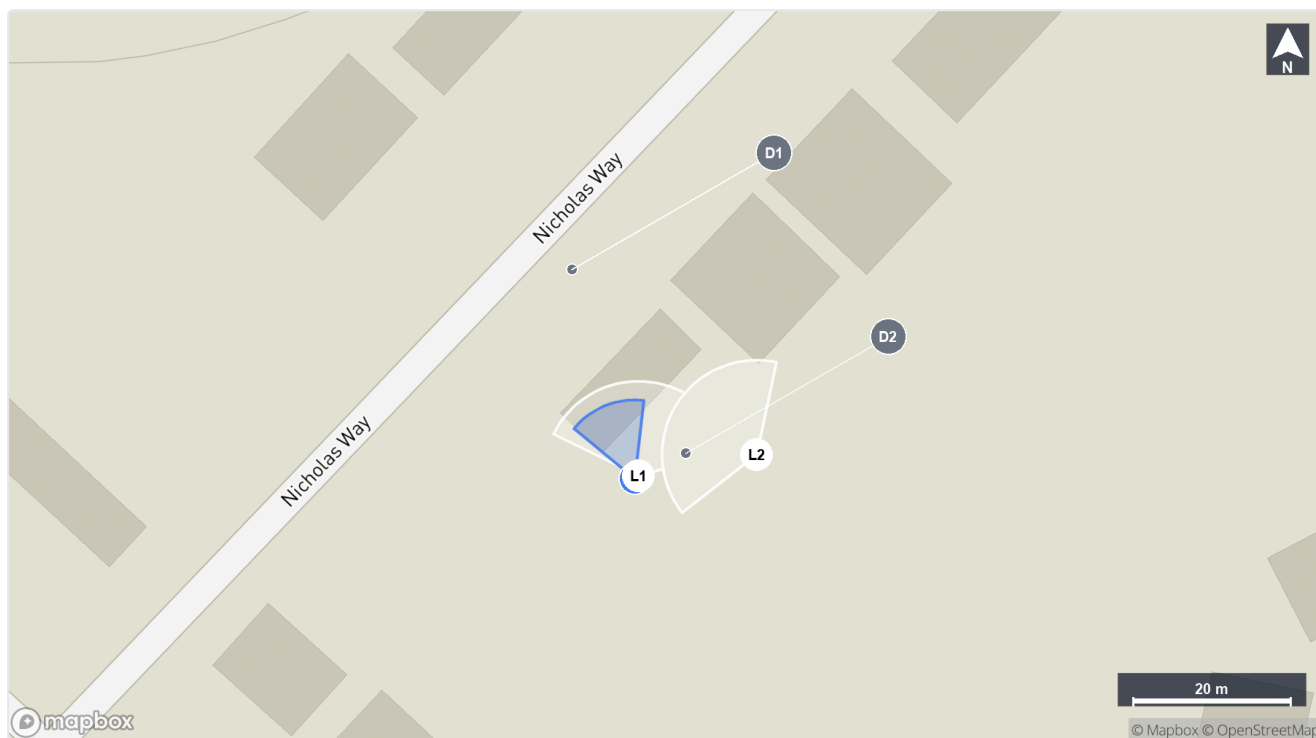


Start Point
21:02



Dark Point
23:22

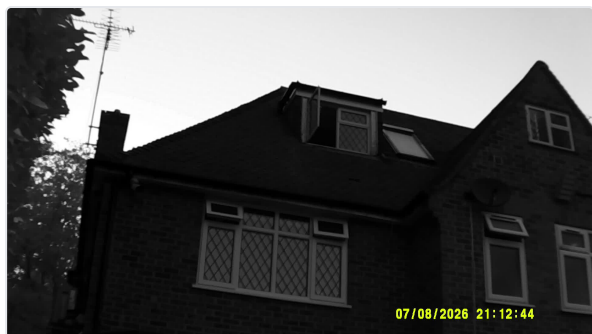
[3] Whisker1 · South-eastern facade



Camera location and field of view.

No bat activity was recorded on this camera during the survey.

Start & Dark Point Evidence

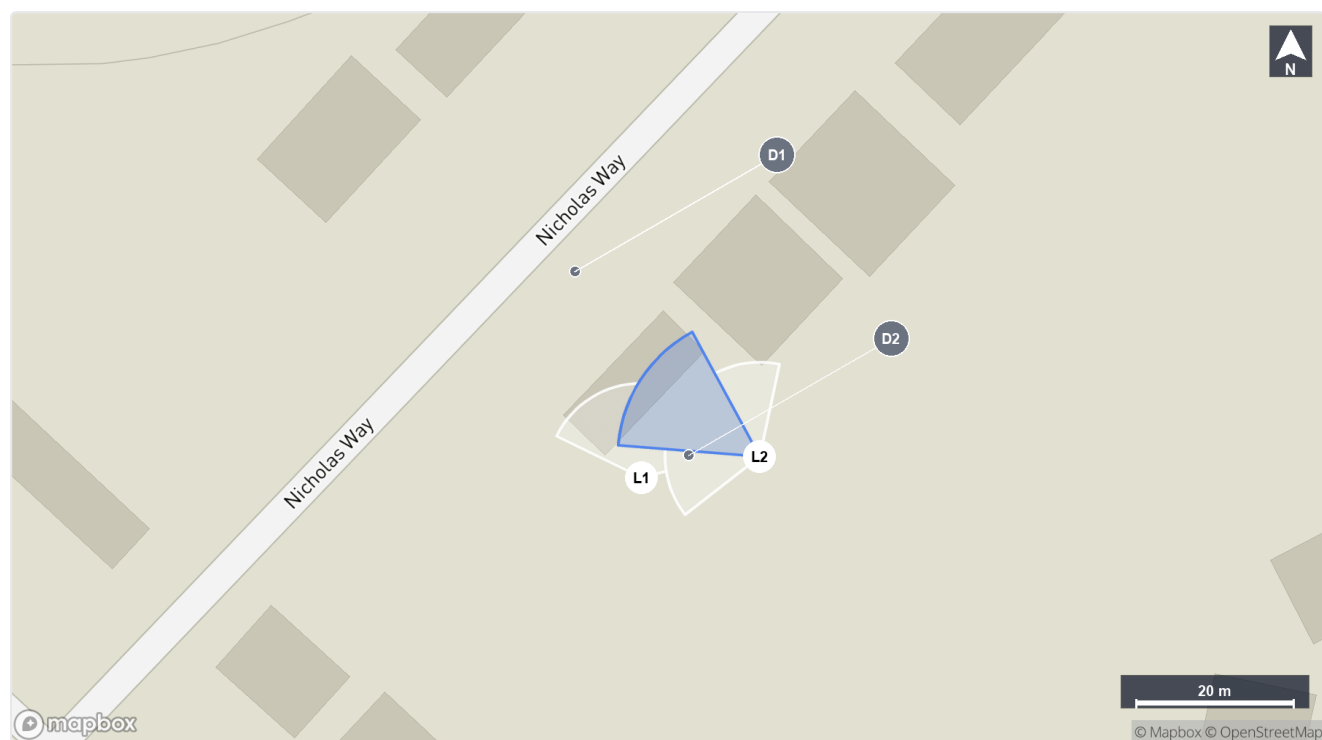


Start Point
21:05



Dark Point
23:26

[4] Whisker2 · South-eastern facade



Camera location and field of view.

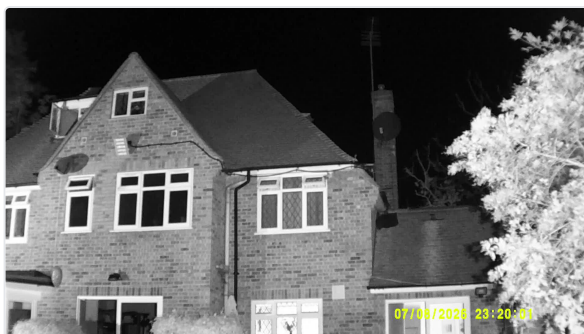
Time	Species	Passes	Direction	Roost / AP Type	Roost / AP Ref.	Notes
21:51	Unknown	1	—	—	—	Commute
21:54	Unknown	1	—	—	—	Commute
21:59	Unknown	1	—	—	—	Commute
21:59	Unknown	1	—	—	—	Commute
21:59	Unknown	1	—	—	—	Commute
22:00	Unknown	1	—	—	—	Commute
22:00	Unknown	1	—	—	—	Commute
22:00	Unknown	1	—	—	—	Commute
22:00	Unknown	1	—	—	—	Commute
22:00	Unknown	1	—	—	—	Commute
22:01	Unknown	1	—	—	—	Commute
22:01	Unknown	1	—	—	—	Commute
22:01	Unknown	1	—	—	—	Commute

Time	Species	Passes	Direction	Roost / AP Type	Roost / AP Ref.	Notes
22:01	Unknown	1	—	—	—	Commute
22:01	Unknown	1	—	—	—	Commute
22:01	Unknown	1	—	—	—	Commute
22:04	Unknown	1	—	—	—	Commute
22:04	Unknown	1	—	—	—	Commute
22:04	Unknown	1	—	—	—	Commute
22:05	Unknown	1	—	—	—	Commute
22:05	Unknown	1	—	—	—	Commute
22:06	Unknown	1	—	—	—	Commute
22:08	Unknown	1	—	—	—	Commute
22:08	Unknown	1	—	—	—	Commute
22:20	Unknown	1	—	—	—	Commute
23:01	Unknown	1	—	—	—	Commute

Start & Dark Point Evidence



Start Point
20:57



Dark Point
23:20

Roost & Access Points

Access Points

ID	Description	Linked Roost	Roost Type(s)	Species	Passes	Em.	Re-en.	Peak
A	Beneath hanging tiles on north-western elevation	—	Day roost	Soprano pipistrelle (Pipistrellus pygmaeus)	2	2	—	1
B	Beneath ridge tile on north-western roof elevation.	—	Day roost	Unknown	1	1	—	1

Passes, emergence and re-entry are totals across all surveys. Peak is the maximum number of bats evidenced using a feature on a single survey night, across all surveys. Where an access point is linked to a roost location (see "Linked Roost"), the bats counted at it are part of that roost location's totals (shown under Roost Locations) and are not additional bats.

Conclusion

Bat activity was recorded during 2 sessions of night vision aid (NVA) monitoring at **49 Nicholas Way, Northwood**, with a total of **54 bat passes** recorded across 8 cameras. A total of **2 unique roost/access point locations** were identified, with day roost identified for Soprano pipistrelle (*Pipistrellus pygmaeus*), Unknown. Roost/access point locations are shown in the Roost & Access Points section above.

Summaries of the species identified, with roost type and peak counts, are provided in the table below. Each species total is broken down by roost (a roost location, or a standalone access point), with commuting or foraging passes (recorded away from any roost feature) shown separately.

Species / roost	Passes	Em.	Re-en.	Peak	Roost type	Access points
Unknown	48	1	—	1	Day Roost	B
B	1	1	—	1	Day Roost	B
Commuting / foraging (no roost/AP)	47	—	—	—	—	—
Soprano pipistrelle (<i>Pipistrellus pygmaeus</i>)	4	2	—	1	Day Roost	A
A	2	2	—	1	Day Roost	A
Commuting / foraging (no roost/AP)	2	—	—	—	—	—
Common pipistrelle (<i>Pipistrellus pipistrellus</i>)	2	—	—	—	—	—
Commuting / foraging (no roost/AP)	2	—	—	—	—	—

Passes, emergence and re-entry are totals across all surveys. Peak is the maximum number of bats evidenced using a feature on a single survey night, across all surveys.

Roost assessment note: The NVA footage provides evidence of roost activity at the subject. Still images captured at access and emergence points are included within the relevant survey sections of this report. Results should be considered in conjunction with any additional survey data and specialist ecological advice.

References

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