



Greena Ecological Consultancy

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Stage II Bat Survey

Stableblock

South Wraxall Manor

South Wraxall

BA15 2SD

6th of July 2026

Background

Greena Ecological Consultancy was instructed to perform a Preliminary Ecological Appraisal (PEA) of two buildings located in the ground of South Wraxall Manor at OS grid reference ST 83378 65482, Figure 1, in the autumn of 2025. Initial inspection deemed that both buildings had moderate bat roost potential due to multiple Potential Roosting Features (PRF). Two bat activity surveys were performed to establish if bats use the building to roost in. This report contains the results of the bat activity surveys completed on the 20th of May 2026 and 18th of June 2026. Figure 1 indicates the site location and figure 2 presents survey locations.

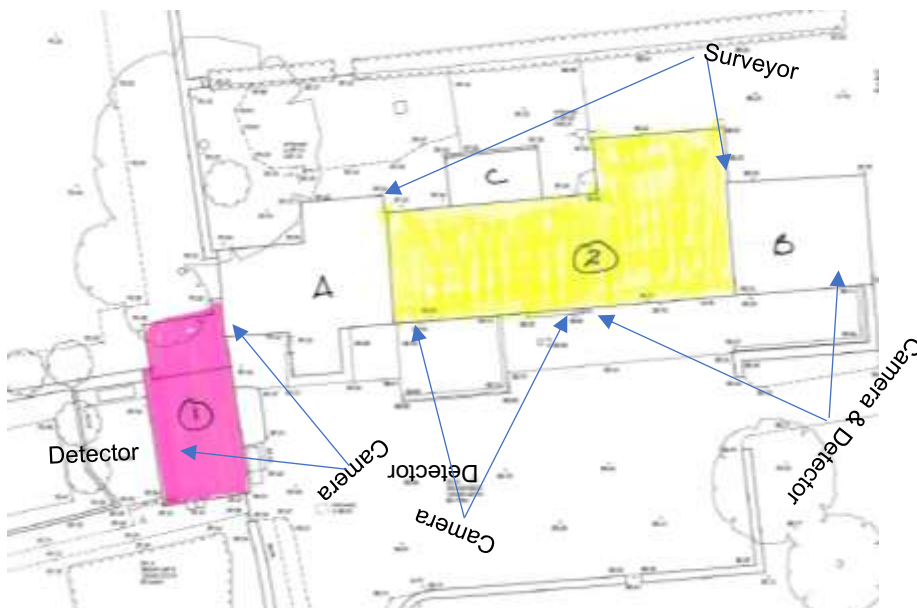
Figure 1. Site location



Methods

The surveys were performed by surveyor Line Andresen (BSc Hons, assistant ecologist at Greena Ecological Consultancy) under Geoff Billington MCIEEM (Greena Ecological Consultancy, holder of Natural England class 3 & 4 bat survey licenses). The surveys were performed by using Anran CCTV 5MP HD video cameras with built in infrared illumination. The cameras were used with two time-synchronized EcoObs Batcorder bat detectors containing recorders. The manufacturer's specifications of the high-definition cameras list its range for both, colour (daytime, dusk) and black & white (post-dusk to complete darkness) during infrared illumination as 100ft (30.48metres). The cameras are fitted with a varifocal (adjustable) 2.8-12mm lens covering the field view from very wide (up to 100 degrees) to narrow and zoomed in. The setting is manual, and a maximum possible view of the surveyed structure is always ensured prior to the start of the survey. The smart IR technology enables the cameras to automatically adjust the intensity of the infrared lighting based on the distance objects are located from the camera (wide dynamic range enhancement). The recordings are subsequently viewed by an experienced licensed bat ecologist with the possibility to rewind and view segments repeatedly, providing much higher accuracy of the assessment than the traditional in-field survey method alone.

Figure 2. Survey location



Photographs around survey end

1-2. Area 1- Workshop



3-6. Area 2- Stable block





Results

Survey – 20th of May 2026

The survey was completed between 2045 and 2202 with sunset at 2102. Weather conditions on the survey were suitable for bats to be active and complied with Bat Conservation Trust, Bat Surveys for Professional Ecologist, Best Practice Guidelines (Collins, 2023) on seasonal timings and weather suitability, presented in table 1. Results are presented in detail in table 2-6.

Table 1. Timing and weather

	Temperature (oC)	Cloud (%)	Wind	Rain
Start	13	60	1	0
End	12	70	1	0

Area 1- Workshop

Table 2. Internal Bat Detector

Time	Species	Number of files	Notes
21:38	Pipistrellus pipistrellus	1	N/A

Pipistrellus pipistrellus- Common pipistrelle Bat

Table 3. Workshop Bat Detector

Time	Species	Number of files	Notes
21:26-21:55	Pipistrellus pipistrellus	3	N/A

Pipistrellus pipistrellus- Common pipistrelle Bat

No bats were seen on the video footage of the workshop (Area 1) during the survey on the 20th of May 2026.

Area 2- Stable Block

North Elevation

Table 4. Surveyor Result

Time	Species	Numbers	Notes
21:25-21:50	Pipistrellus pipistrellus	2	Foraging east & around the stable block building.
21:27	Nyctalus noctula	2	High S→N
21:52-21:55	Pipistrellus pipistrellus	2	S→N→S Over building
21:58	Pipistrellus pipistrellus	1	N→S
22:00	Nyctalus noctula	1	N→S

Pipistrellus pipistrellus – Common pipistrelle Bat

Nyctalus noctula- Noctule Bat

No bats emerged

South Elevation

Table 5. Stable block south elevation Bat Detector

Time	Species	Number of files	Notes
21:26-22:02	Pipistrellus pipistrellus	15	Including social calls
21:28-21:28	Nyctalus noctula	3	N/A

Pipistrellus pipistrellus- Common pipistrelle Bat

Nyctalus noctula- Noctule Bat

Table 6. Video recordings workshop

Time	Recordings	Notes
21:28	1	S→N
21:31	1	W→E
21:44	2	E→W & S→N
21:49	2	2x S→N over building

22:01	1	N→S over building
22:02	2	S→N & W→E

No bats were seen to emerge from south elevation of the stable block (Area 2) during the survey on the 20th of May 2026.

Survey – 18th of June 2026

The survey was completed between 2120 and 2228 with sunset at 2128. Weather conditions on the survey were suitable for bats to be active and complied with Bat Conservation Trust, Bat Surveys for Professional Ecologist, Best Practice Guidelines (Collins, 2023) on seasonal timings and weather suitability, presented in table 7. Result for each elevation is presented in table 8-13.

Table 7: Timing and weather

	Temperature (oC)	Cloud (%)	Wind	Rain
Start	19	0	0	0
End	17	0	0	0

Area 1- Workshop

Table 8. Internal Bat Detector

Time	Species	Number of files	Notes
22:30	Pipistrellus pipistrellus	1	N/A

Pipistrellus pipistrellus- Common pipistrelle Bat

Table 9. Workshop Bat Detector

Time	Species	Number of files	Notes
22:32	Pipistrellus pipistrellus	1	N/A

Pipistrellus pipistrellus- Common pipistrelle Bats

Table 10. Video recordings workshop

Time	Recordings	Notes
22:17	3	2x E→W & S→N
22:18	2	W→E
22:23	1	W→E

Area 2- Stable Block

North Elevation

Table 11. Surveyor Result

Time	Species	Numbers	Notes
22:08	Pipistrellus pipistrellus	1	S→W

22:12-22:25	Pipistrellus pipistrellus	2	Foraging east & around stable block.
22:14	Eptesicus serotinus	1	S→W

Pipistrellus pipistrellus – Common pipistrelle Bat
Eptesicus serotinus- Serotine Bat

No bats emerged

South Elevation

Table 12. Stable block south elevation Bat Detector

Time	Species	Number of files	Notes
22:05-22:31	Pipistrellus pipistrellus	12	N/A
22:34-22:24	Nyctalus noctula	6	N/A
22:35	Pipistrellus pipistrellus & Nyctalus noctula	1	N/A
22:35-22:36	Pipistrellus pipistrellus	5	N/A

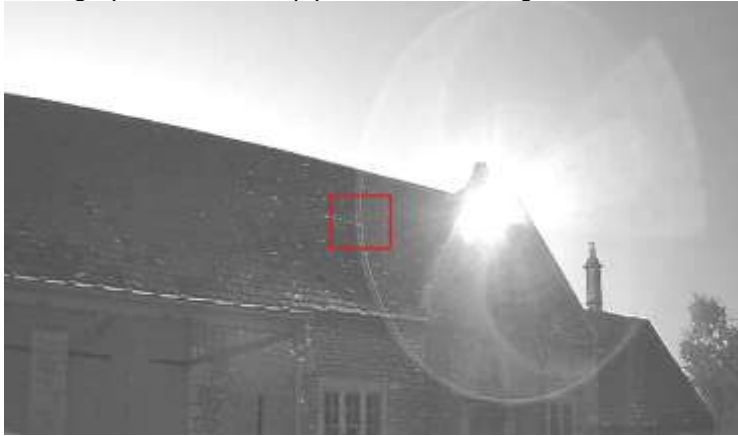
Pipistrellus pipistrellus- Common pipistrelle Bat
Nyctalus noctula- Noctule Bat

Table 13. Video recordings workshop

Time	Recordings	Notes
22:13	2	E→W & S→N
22:14	3	2x E→W & S→N
22:15	3	2x E→W & S→N over building
22:16	1	N→S over building
22:17	2	S→N, Bat emerge under tile (Photograph 7) & wall crevice (Photograph 8)
22:18	1	N→S
22:19	3	W→E, E→W Bat emerge under tile (Photograph 9)
22:20	4	2x W→E, S→N & Bat emerge under tile (Photograph 10)
22:22	1	S→W
22:23	1	E→W
22:25	1	W→E
22:27	1	N→S

A total of 4 common pipistrelle bats were seen to emerge from the south elevation of the stable block (Area 2) during the survey on the 18th of June 2026.

Photograph 7: Common pipistrelle bat emerges from tile



Photograph 8: Common pipistrelle bat emerges from wall crevice



Photograph 9: Common pipistrelle bat emerges from tile by dormer



Photograph 10: Common pipistrelle bat emerges from tile by dormer



CONCLUSIONS

A total of three bat species were identified during both the bat activity surveys, including *Common pipistrelle Bats (Pipistrelle pipistrelle)*, *Serotine Bat (Eptesicus serotinus)* and *Noctule Bat (Nyctalus noctula)*.

During both surveys a low number of bats were detected and during the first survey on the 20th of May 2026 no bats were seen to emerge from the south elevation of the stable block (Area 2) or the workshop (Area 1). During the second survey on the 18th of June 2026 a total of 4 *Common pipistrelle Bats (Pipistrelle pipistrelle)* were seen to emerge from the south elevation of the stable block (Area 2), no bats were seen to emerge from the workshop (Area 1). Video footage from the second survey on the 18th of June 2026 one bat was also seen to emerge from the building east of affected stable block (Area 2).

Number of bats roosting in affected area and spread-out roosting areas indicate a male/ non breeding roost. As parts of affected site area is currently being used by bats a low impact licence through Natural England is required for works affecting areas used by bats on the south elevation of the stable block (Area 2).

Mitigation plan (for works affecting bat areas):

- Obtain any relevant consents
- Obtain a low impact bat licence from Natural England
- Put up one bat box
- Toolbox talk and ecologist attend whilst potential roosting places removed
- Licence report

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