Pamela Sanchez Alonso BSc (Hons) MS
Assistant Ecologist
pamelasanchezalonso@arbtech.co.uk
Arbtech Consulting Ltd
arbtech.co.uk

Bat Emergence and Re-Entry Surveys (BERS)

Survey site:

11 Akeferry Road, Westwoodside, Doncaster, North Lincolnshire DN9 2DX

Client:

Mr David Campling

Report date:

21st August 2024

Project:

This report is prepared to inform a planning application with North Lincolnshire Council. The proposal is described as:

Erection of the first-floor extension to the front, rear and sides of the dwelling, including demolition of existing conservatory.

This report is supplementary to the Preliminary Roost Assessment report completed by Arbtech Consulting Ltd (2024).

BERS survey methodology and legislation can be found in the Arbtech Supplement: **BERS Methodology and Legislation - 2024.**

This report is an addendum to and must be read in conjunction with the Preliminary Roost Assessment completed by Arbtech Consulting Limited (2024) for the same site address. **This table may include further work you will need to commission (if any) to obtain planning permission or comply with legislation for other consent.** **All clients are expected to read and understand this section, or to contact the lead surveyor for advice.**
Executive Summary
Background The PRA identified the main building to have low potential for roosting bats due to the presence of gaps beneath hanging tiles and fascia. **BERS results** The surveys did not record any bat roosting activity. The development will not need to be permitted by a bat mitigation licence.
The site surveys were designed and managed by Pamela Sanchez Alonso BSc (Hons) MSc, ecologist with three years of experience.
See surveyor locations in the BERS plan in Appendix 1

Limitations	The western elevation was inaccessible due to mature hedgerow overgrowth. Due to this limitation, additional mitigation and precautionary working methods are recommended.

Field Survey	
Dusk Emergence Survey 1	
Building B1	
Building inspection prior to survey	N/A

Surveyor and position	**Lead Surveyor 1 –** Pamela Sanchez Alonso - 3 years bat survey experience – observing the northeast elevation **Surveyor 2** - Anna Andrzejczyk – 2 years bat survey experience – observing the northwest elevation	
Weather (start/end)	Temperature (°C): 17 Relative humidity (%): 60 Cloud cover (%): 96 Wind (m/s): 5 Rain: None	Temperature (°C): 16 Relative humidity (%): 70 Cloud cover (%): 95 Wind (m/s): 4 Rain: None
Equipment used	2x Echometer Touch, 2x magenta 4, 2x IR camera, 2x IR torches	

Results

Date of survey	Sunset Start - End	Species and numbers	Roost type	Structure reference	Roost location	Access points	Dimensions and explanation of roost location
17/08/2024	Sunset 20:27 20:12 – 21:57	N/A	N/A	B1	B1	N/A	N/A

Surveyor observations

Surveyor 1	**No emergences or re-entries were recorded.** First bat was recorded at 20:43 and 20:53 of a common pipistrelle, heard not seen. At 20:54 2 common pipistrelles were seen commuting from south to north and north to south. This constant activity continued until 21:15. More common pipistrelles were recorded heard not seen at 21:25, 21:34 and 21:42 being the last recording of the survey.	

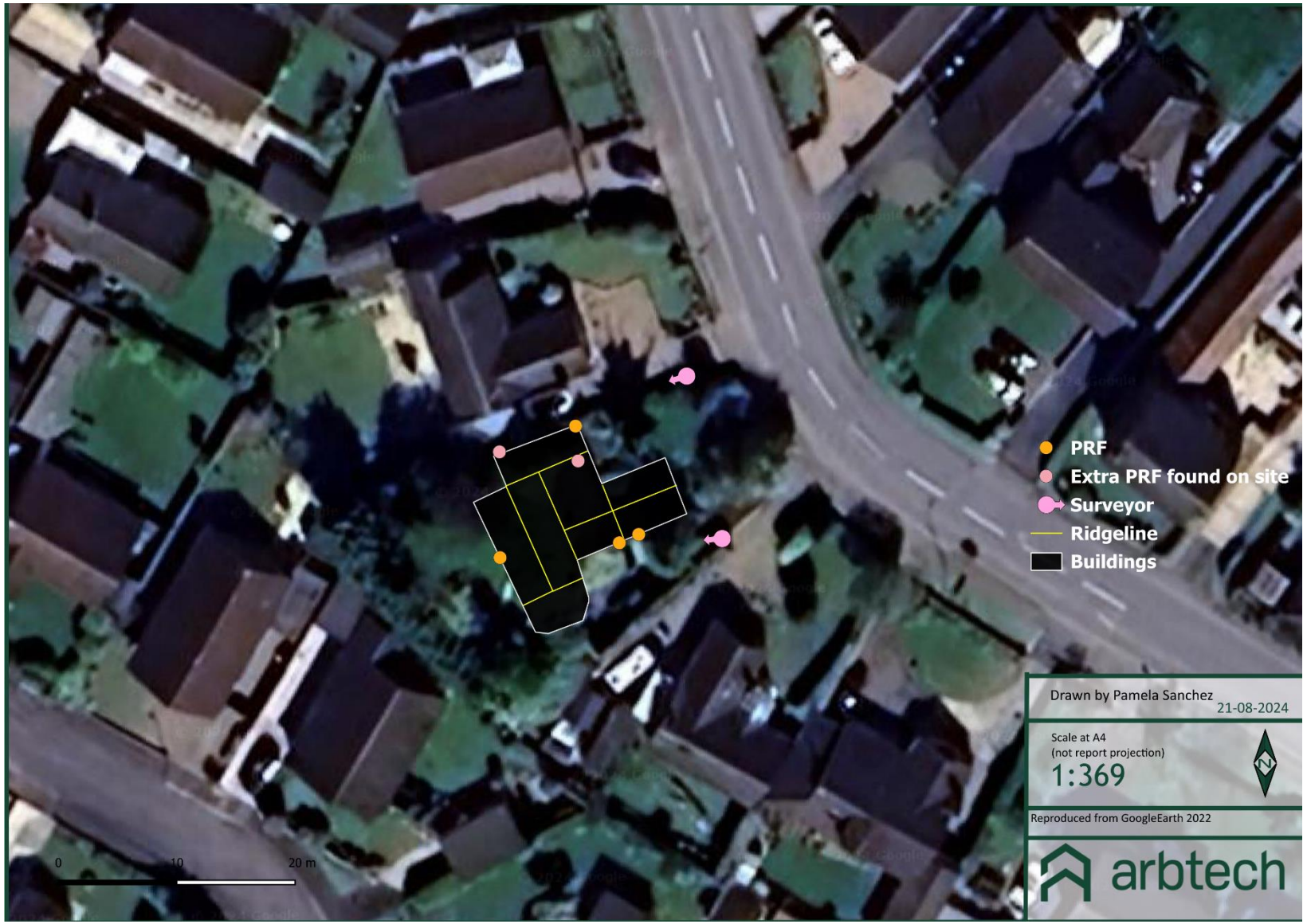
IR position 1	The footage reflected the view of surveyor 1. No bat roosting behaviour was recorded. **No emergences or re-entries were observed.**	
Surveyor 2	**No emergences or re-entries were recorded.** First bat activity common pipistrelle (CPIP) was heard, not seen (HNS) at 20:46. Followed by HNS at 20:53. One CPIP pass (P) north to southeast, followed by foraging (F) of the same bat near the hedgerow at the southern boundary. More P and F of the same CPIP at 20:55 southeast near the southern hedgerow. Sporadic P and F of the same bat were observed throughout the survey in the southeast area until 21:00. Further activity consisted of distant CPIP HNS from 21:08 until 21:37. No other bat activity.	
IR position 2	**No emergences recorded**. Sporadic pass of one CPIP corresponding with surveyor observations.	
Conclusions, Impacts and Recommendations		

Survey Results Summary	No roosts were observed in this survey.
Impact Assessment	No roosts will be damaged during the development of this site.
Recommendations	An EPSL application to Natural England will not be required to legally permit the proposed works. If any bats are found during the hibernation period or if any unexpected bat species or roost types are identified during work is taking place, works must cease, and advice must be sought from a licensed Ecologist. During the works, care should be taken around the inaccessible western elevation, and all works should minimize the use of power tools and radios. **Wildlife sensitive lighting strategy** A low impact lighting strategy will be adopted for the site during and post-development, which will include the following measures: • Use narrow spectrum light sources to lower the range of species affected by lighting. • Use light sources that emit minimal ultra-violet light. • Avoid white and blue wavelengths of the light spectrum to reduce insect attraction and where white light sources are required in order to manage the blue shortwave length content they should be of a warm / neutral color temperature <4,200 kelvin. • Not use bare bulbs and any light pointing upwards. The spread of light will be kept in line with or below the horizontal. • Light spill will be reduced via the use of low-level lighting used in conjunction with hoods, cowls, louvers and shields. Lights will also be directional to ensure that light is directed to the intended areas only. • External lighting will be on PIR sensors that are sensitive to large objects only (so that they are not triggered by passing bats) and will be set to the shortest time duration to reduce the amount of time the lights are on.

	• Wall lights and security lights will be 'dimmable' and set to the lowest light intensity settings. There are several products on the market that allow the control of the light intensity and the duration that the lights are on. All lighting on the developed site will make use of the most up to date technology available.
Enhancements	Integrated bat boxes x 3 will be installed in the new dwelling. These will be placed high up at eaves level, face south/southwest if possible, and be unlit by artificial light and not above any windows.

Version control			
Status	**Issue**	**Name**	**Date**
Draft	1.0	Pamela Sanchez Alonso	21/08/2024
Proof	1.1	Mel Reid BSc (Hons) MRes MRSB, Senior Consultant	04/09/2024
Final	1.0	Dr James Fielding Dphil MA (Hons) PGcert (merit), Consultant Ecologist	04/09/2024

Appendix 1: BERS plan



Limitations and Copyright

Legal

Arbtech Consulting Limited has prepared this report for the sole use of the above-named client or their agents in accordance with our General Terms and Conditions, under which our services are performed. It is expressly stated that no other warranty, expressed or implied, is made as to the professional advice included in this report or any other services provided by us. This report may not be relied upon by any other party without the prior and express written agreement of Arbtech Consulting Limited. The conclusions and recommendations contained in this report are based upon information provided by third parties. Information obtained from third parties has not been independently verified by Arbtech Consulting Limited.