

Barn at Waddow View, Waddington Road, Clitheroe BB7 2HX

RESULTS OF DAWN RE-ENTRY BAT SURVEY

October 2018

[ERAP (Consultant Ecologists) Ltd ref: 2018-046b]

[Ribble Valley Borough Council ref: 3/2014/0597]

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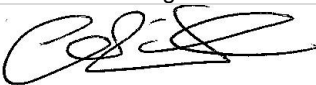
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Document Control

Survey Type:	Surveyors¹	Survey Date(s)
Dawn re-entry bat survey	Chris Wilkinson and Chris Swindells	7 th August 2018
Reporting	Personnel	Date
Author	Chris Wilkinson Fd.Sc. Assistant Ecologist	16 th October 2018
Signature(s)		
Checked by	Victoria Burrows B.Sc. (Hons) M.Sc. CEnv MCIEEM	17 th October 2018
Revised and issued by	Victoria Burrows B.Sc. (Hons) M.Sc. CEnv MCIEEM	16 th October 2018
Report issued to	David Wilson Homes	

SUMMARY

- i. ERAP (Consultant Ecologists) Ltd was commissioned to carry out an updated licensed bat survey and assessment of the dilapidated stone barn at the proposed residential development site off Waddington Road, Clitheroe in February 2018.
- ii. The survey was necessary to satisfy condition 18 of the outline planning permission, provide appropriate guidance to the housebuilder and comply with current survey guidelines and best practice.
- iii. The daylight survey, as reported in *2018-046 Waddington Road, Clitheroe, BB7 2HX: Updated Licensed Bat Survey and Assessment* (ERAP Ltd (Consultant Ecologists) Ltd, 2018), recommended that one bat activity survey was completed at the building within the optimum survey season.
- iv. This report provides the results of the dawn re-entry bat survey completed at the building on 7th August 2018.
- v. No roosting bats were detected by the survey. Common and soprano pipistrelle bats were detected flying along the adjacent hedgerows during the survey.
- vi. The presence of roosting bats is reasonably discounted at the building. No further surveys are required to determine the presence or absence of roosting bats. It is considered that sufficient survey has been completed at the site to discharge condition 18 of the outline planning permission.
- vii. The recommendations presented at Section 5.0 of the *2018-046 Waddington Road, Clitheroe, BB7 2HX: Updated Licensed Bat Survey and Assessment* (ERAP Ltd (Consultant Ecologists) Ltd, 2018) report remain valid and are appropriate for the protection of wildlife during the proposed demolition of the building.

1.0 INTRODUCTION

- 1.1 Outline planning permission for the construction of up to 275 new dwellings and access at the site off Waddington Road, Clitheroe was granted on 6th March 2015 (Ribble Valley Borough Council reference 3/2014/0597). As part of the development it is proposed to demolish a dilapidated stone barn in the north-eastern corner of the site. The Ordnance Survey (OS) grid reference at the barn is SD 74077 42242.
- 1.2 Condition 18 of the consent states:
- ‘Prior to the demolition or any renovation works on the barn in the north eastern corner of the site, appropriate surveys shall be carried out to determine whether the barn is used as a roost for bats and, if so, to provide detailed advice on mitigation and design requirements. The results of the survey and any proposed mitigation measures shall be submitted for the written approval of the Local Planning Authority; and any mitigation measures shall be carried out in accordance with the approved details.’*
- 1.3 ERAP (Consultant Ecologists) Ltd was commissioned to carry out the relevant survey at the barn to facilitate the validation of the reserved matters application in February 2018.
- 1.4 The results of the daylight inspection are presented at *2018-046 Waddington Road, Clitheroe, BB7 2HX: Updated Licensed Bat Survey and Assessment* (ERAP Ltd (Consultant Ecologists) Ltd, 2018), hereafter the ‘2018 daylight survey report’. The report recommended that one bat activity survey was completed at the barn.
- 1.5 This report details the findings of the dawn re-entry survey completed at the barn.

2.0 METHOD OF SURVEY

2.1 Dawn Re-entry Bat Survey

- 2.1.1 One dawn re-entry survey was conducted at the barn on 7th August 2018.
- 2.1.2 The survey was carried out in accordance with guidance presented in chapters 4 and 7 of the *Bat Surveys for Professional Ecologists: Good Practice Guidelines (3rd edn)* (Collins, J. (ed), 2016).
- 2.1.3 Two surveyors, experienced in conducting bat surveys, were positioned at suitable locations to maximise the coverage of the barn to determine any entry into the barn by roosting bats. Heterodyne detectors were used to determine any bat detected to species or group (*Myotis* species often cannot be reliably separated to species via their echolocation calls, for example). Anabat Express units (recording bat detectors) were also used to record and analyse echolocation calls after the survey using AnlookW call analysis software.
- 2.1.4 The dawn re-entry survey commenced approximately two hours before sunrise and ended at sunrise, provided all bat activity had ceased by this point.
- 2.1.5 Surveyor positions are annotated on **Figure 6.1**. Any bat emergence or re-entry activity was recorded. All surveys were conducted under suitable conditions. The dates of the surveys, surveyors and equipment used and weather conditions present are presented at **Table 2.1**, below.

Table 2.1: Dawn Re-entry Survey Date, Weather Conditions and Surveyors

Date	7 th August 2018
Sunrise	05:33
Start & end time	03:45 to 05:38
Weather	14°C, Beaufort 0 (calm) and dry
Surveyor Position	Surveyor and Detector
1	Chris Wilkinson Batbox Duet and Anabat Express
2	Chris Swindells Pettersson D100 and Anabat Express

2.2 Survey Limitations

- 2.2.1 The survey was conducted under suitable conditions and at an optimum time of year. No survey limitations were experienced.

3.0 SURVEY RESULTS

- 3.1.1 No bat re-entry (or emergence) was detected at the barn during the survey.
- 3.1.2 Common pipistrelle (*Pipistrellus pipistrellus*) were detected flying along the hedgerows near to the barn between 03:46 and 05:05, with the last call recorded 28 minutes before sunrise. One soprano pipistrelle (*Pipistrellus pygmaeus*) pass was recorded at approximately 04:38. No other bat species were recorded.
- 3.1.3 Surveyor positions and all observed bat activity are annotated at **Figure 6.1**, appended. Raw data are appended at **Table 6.1**.

4.0 EVALUATION AND CONCLUSION

- 4.1 No roosting bats were detected at the barn during the survey.
- 4.2 In combination of the previous surveys carried out in 2012 and 2014 as reported in the Ecological Assessment (PAA, July 2014) and the surveys carried out by ERAP (Consultant Ecologists) Ltd in 2018, sufficient survey has been completed at the barn to discount the presence of roosting bats.
- 4.3 The recommendations presented at Sections 5.1 to 5.3 of the 2018 daylight survey report remain valid and are appropriate for the protection of wildlife during the demolition of the building.
- 4.4 No further surveys are required to inform this assessment, which is sufficient to discharge planning condition 18.

5.0 REFERENCES

- Collins, J. (ed), 2016. *Bat Surveys for Professional Ecologists: Good Practice Guidelines (3rd edn)*. London: The Bat Conservation Trust.
- ERAP Ltd (Consultant Ecologists) Ltd, 2018. *2018-046 Waddington Road, Clitheroe, BB7 2HX: Updated Licensed Bat Survey and Assessment*, Preston: ERAP Ltd (Consultant Ecologists) Ltd.
- Great Britain, 1981. *Wildlife and Countryside Act*. London: H.M.S.O.
- Great Britain, 2006. *Natural Environment and Rural Communities Act*. London: H.M.S.O.
- Great Britain, 2017. *The Conservation of Habitats and Species Regulations*. London: H.M.S.O.
- Ministry of Housing, Communities and Local Government, 2018. *National Planning Policy Framework*. London: H.M.S.O.
- Mitchell-Jones, A., 2004. *Bat Mitigation Guidelines*. Peterborough: English Nature.
- Mitchell-Jones, A. J. & Mcleish, A. P., 2004. *Bat Workers' Manual, 3rd Edition*. Peterborough: Joint Nature Conservation Committee.
- PAA, July 2014. *Waddow View, Land off Waddington Road, Clitheroe. Ecological Assessment*, Buxton: PAA.

6.0 APPENDIX: TABLE AND FIGURE

Table 6.1: Dawn Re-entry Survey 7th August 2018, Sunrise time: 05:33, Start time: 03:45

Survey Position 1: Chris Wilkinson

Time	Species	Notes
04:00	Common pipistrelle	Foraging along hedgerow to the east of the building
04:05	Common pipistrelle	Foraging to the west of the building
04:06	Common pipistrelle	Flew from south-west to the north-east of the building
04:09	Common pipistrelle	Foraging to the north of the building
04:31 to 04:32	Common pipistrelle	Foraging to the hedgerow to the north of the building
04:38	Soprano pipistrelle	Brief pass, heard not seen
04:46	Common pipistrelle	Foraging to the east of the building
04:58 to 05:03	Common pipistrelle	Occasional passes, foraging to the north-east of the building
05:03	Common pipistrelle	1 bat flew into barn via window at northern elevation and immediately re-emerged.
The Anabat Express made the following recordings: 33 common pipistrelle passes between 03:49 and 05:05; 1 soprano pipistrelle pass at 04:37		

Survey Position 2 : Chris Swindells

Time	Species	Notes
03:49	Common pipistrelle	Brief pass, heard not seen
03:56	Common pipistrelle	Brief pass, heard not seen
03:59	Common pipistrelle	Brief pass, heard not seen
04:05 to 04:08	Common pipistrelle	Brief pass, heard not seen
04:32	Common pipistrelle	Foraging to east of the building
04:38	Soprano pipistrelle	Commuting south to north
04:58	Common pipistrelle	Brief pass, heard not seen
05:04	Common pipistrelle	Brief pass, heard not seen
The Anabat Express made the following recordings: 8 common pipistrelle passes between 03:46 and 04:32 1 soprano pipistrelle pass at 04:37		

Figure 6.1: Dawn Re-entry Survey 7th August 2018

