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**Dusk emergence survey at
4 Tor Avenue,
Greenmount,
Bury,
BL8 4HG.**

OS grid reference:
SD 7781 1449

Commissioned-by:
Charlotte Wood

Survey Date: 20/9/21
Previous surveys: day-time - 7/9/21

Report Date: 24/9/21
Previous reports: day-time - 7/9/21

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Summary.

(This summary should be read in conjunction with the conclusions and recommendations.)

Bat roosting potential was discovered in association with this detached house, especially with respect to hanging-tiles.

At this dusk emergence survey, there was bat activity taking place, mainly by the common pipistrelle, but no bats emerged.

The roosting potential had been provisionally assessed as moderate and requiring two bat activity surveys to accord with good practice, with at least one between the months of May and August inclusive. A third could be necessary.

There was sufficient bat activity to justify this evaluation and the second bat activity survey recommended should be undertaken. This should be carried-out pre-dawn in May or June, preferably June.

Further recommendations will be made based on the findings. If a third is necessary, it should be done in July or August, at least a month after the second.

Alternative provision should be made for bats as previously recommended, irrespective of the findings of future survey work.

Introduction.

I was engaged to undertake a dusk emergence survey of this building further to my day-time survey on **7/9/21**.

At that survey no evidence of roosting was found inside the building, but there was roosting potential associated with the exterior, especially hanging-tiles.

This report should be read in conjunction with the report of the previous survey.

Survey.

I returned on **20/9/21** to carry out the dusk emergence survey. I had 3 assistants with me.

We took up fixed positions to watch for bats leaving the building. See Fig 1 below. We all had the use of heterodyne “bat detectors” to help alert us to the presence of bats and to help us distinguish the species present, and synchronised watches to help us piece together the flight paths followed by bats.

Watches are checked as quickly as possible after sighting a bat and times are recorded to the second.

The usual aim of the survey is to position surveyors so that even if areas of roof cannot be seen directly, the building is covered well enough that, by a process of elimination, it can be worked-out whether or not bats emerged or arrived from off-site.

In addition I placed Anabat SD1 x 2, Anabat Express and Anabat Swift detectors around the building. See Fig 1 below. These record bat calls for analysis on computer later. They are extra tools for helping to confirm the species present.



Fig. 1.

Key: Approximate locations of surveyors shown by red stars, approximate locations of recording devices shown by yellow crosses.

Findings.

The main results are shown in Table 1 below:

Table 1. Summary of surveys and significant findings

Date	Survey type	Sunset / sunrise time	Time of survey	Conditions °C/weather	Comments
20/9/21	dusk	19.14	18.55 - 20.30	13.9°C at start , clear, still 12.6°C at end	No bats emerged. Common pipistrelle bats recorded from 19.22. Mainly passing-by, sometimes feeding briefly in the back garden. A few recordings included social calls suggesting a territorial male. See Appendix 1. Single soprano pipistrelle recorded at 20.06.

Survey type key: dusk = dusk emergence survey

Conclusions/Discussion

There was bat activity taking place, but no bats emerged.

The roosting potential had been provisionally assessed as moderate and requiring two bat activity surveys to accord with good practice, with at least one between the months of May and August inclusive. A third could be necessary.

There was sufficient bat activity to justify this evaluation and the second bat activity survey recommended should be undertaken. This should be carried-out in May or June, preferably June. If a third is necessary, it should be done in July or August, at least a month after the second.

Recommendations.

These recommendations should be read in conjunction with the conclusions above.

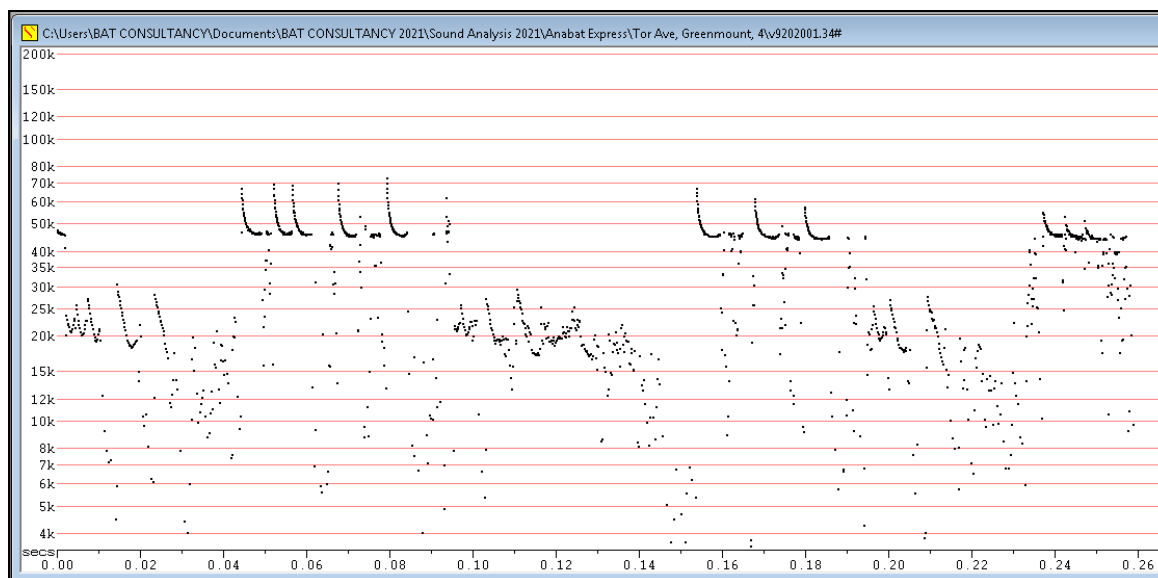
Have a return-to-roost-at-dawn survey undertaken in May or June, preferably in June.

Further recommendations will be made based on the findings.

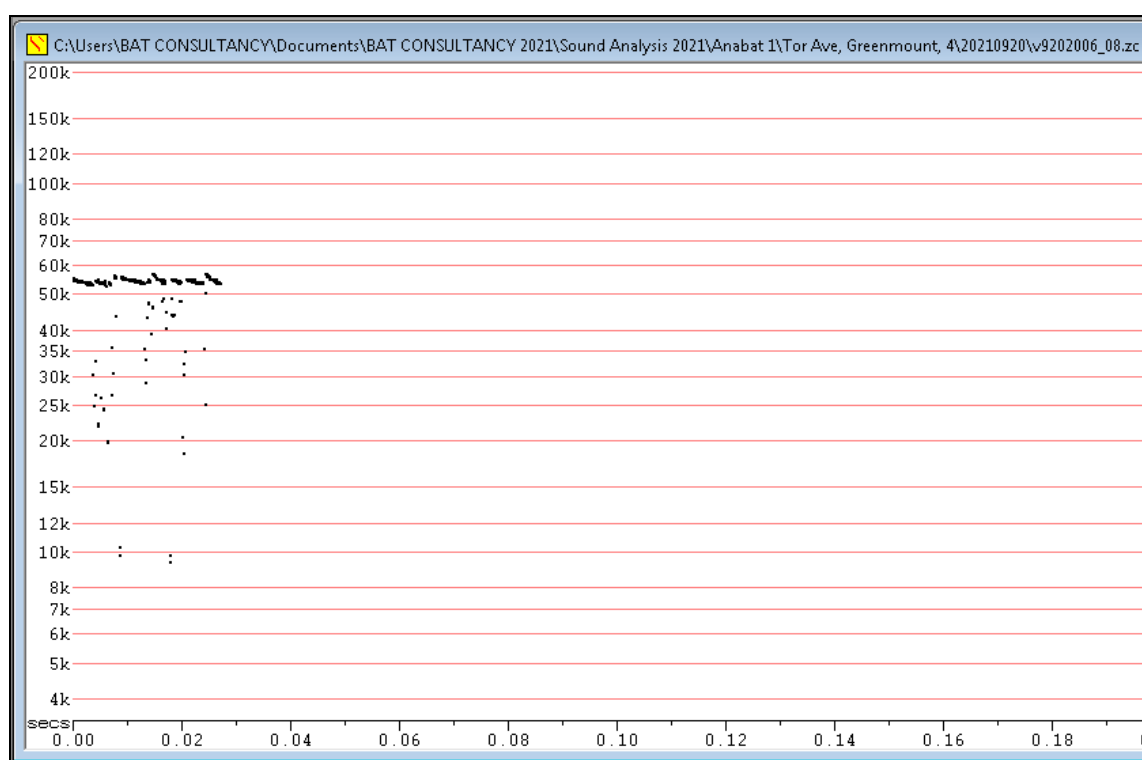
Alternative provision should be made for bats as previously recommended, irrespective of the findings of future survey work.

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Appendix 1 - Example sonograms recorded at dusk survey



Common pipistrelle and social calls in back garden at 20.01



Soprano pipistrelle at front of house at 20.06