

Emergence Survey Report – Bats

Site Location	39 Brunswick Hill, Reading, RG1 7YU
Document reference	CE1874-01 <i>This document should be read in conjunction with the Preliminary Roost Assessment for bats completed on the 21st July 2021, document reference: CE1874</i>
Date of survey	Emergence Survey – 19 th August 2021
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CONTENTS

1.0 Introduction

2.0 Executive Summary

3.0 Legislation

4.0 Methodology

5.0 Results of Phase 2 Activity Surveys

6.0 References

Appendix 1: Mitigation, Protection & Enhancement.

1.0 Introduction

Brief

This report will present the findings of an emergence survey of the named site on the below dates;

Visit 1 – 19th August 2021 (Dusk)

2.0 Executive Summary

Chase Ecology undertook an emergence survey at the named site to assess the building for bats following a preliminary roost assessment which deemed the structure to offer value for roosting.

Survey Methodology	All emergence surveys were conducted during the optimal recommended survey times following best practice guidelines. All surveys were carried out during optimal weather conditions. Each elevation of the structure which offers value to bats was viewed during the survey visit with no limitations.
Results of emergence surveys	Following the dusk emergence survey on the 19th August of the detached garage structure, no bats were observed to have used features throughout for roosting or feeding and no further surveys or mitigation would be required. See Section 5: Results of Phase 2 Activity Surveys
Requirements for Additional Survey	No further survey requirements have been identified during the emergence surveys conducted to date. However, a small number of bats were observed to be using both the site and surrounding habitats for commuting so a level of protection must be implemented during development to prevent disturbance. See Appendix 1: Mitigation, Protection & Enhancement.
Predicted Impacts of Development on Bats	No impacts will be offered to bats if all guidance & recommendations within appendix one are implemented during all stages of development. See Appendix 1: Mitigation, Protection & Enhancement.
Mitigation and Compensation of Proposed Impacts	None Required.
Licensing Requirements for Bats	None Required.
Required Actions	See Appendix 1: Mitigation, Protection & Enhancement.

3.0 Legislation

- 3.1.1 All British bats are classed as European Protected Species and therefore receive protection under the Conservation of Habitats and Species Regulations 2010 (as amended), making it an offence to:
- Deliberately kill, injure or capture a bat;
 - Deliberately disturb bats;
 - Damage or destroy a breeding site or resting place;
- 3.1.2 In addition, all British bats are also listed under Schedule 5 of the Wildlife and Countryside Act 1981 (as amended) which contains further provisions making it an offence to intentionally or recklessly Obstruct access to any structure or place which any bat uses for shelter or protection; or Disturb any bat while occupying a structure or place which it uses
- 3.1.3 If proposed development work is likely to destroy or disturb bats or their roosts, then a licence will need to be obtained from Natural England, which would be subject to appropriate measures to safeguard bats.

4.0 METHODOLOGY

- 4.1 All reporting undertaken by Mr Garry Smith who is an experienced licensed bat ecologist in England [Class 2 registration 2017-28032-CLS-CLS] with over 9 years' experience practical of professional ecological surveys.
- 4.2 It is recommended that emergence surveys should be carried out within the optimal survey season from May to August, April & September are also useful times if weather conditions remain optimal, in line with the Good Practice Guidelines, 3rd edition, Bat Conservation Trust
- 4.3 Surveys were conducted following "The Bat Workers Manual" (JNCC 2004), "The Bat Mitigation Guidelines" (EN 2004) and the Bat Conservation Trust 'Bat Surveys for Professional Ecologists: Good Practice Guidelines' (2016) recommendations.
- 4.4 All elevations of the structure were visible throughout the survey to capture any bats emerging from within or into the structure throughout the duration of the survey.

5.0 Results of Phase 2 Activity Surveys

Date	19 th August 2021					
Sunset/ Sunrise	Start Time	Finish Time	Temperature		Wind Beaufort Scale	Cloud Cover
			Start	End		
20:17	20:02	21:50	17	15	2	100%
	Name	Position	Detector			
Lead Surveyor	F Ramzan	Front Left	EMT PRO			
Assistant Surveyor	J Ramzan	Rear Right	EMT PRO			

Emergence/Re-Entry Data

No bats recorded to have emerged from the detached garage structure during the survey times recorded.

Activity from Bats during survey

Species	Activity
Soprano Pipistrelle	1 x faint commuting pass during mid stages of the survey.
Brown Long- eared	1 x commuting pass across building during the mid/late stages of the survey.

6.0 References

- Mitchell-Jones, A.J, & McLeish, A.P. Ed., (2004) 3rd Edition Bat Workers' Manual. Joint Nature Conservation Committee, Peterborough.
- Collins, J. (ed.) (2016). Bat Surveys for Professional Ecologists —Good Practice Guidelines, 3rd edition, Bat Conservation Trust, London.
- Mitchell-Jones, A.J. (2004) Bat Mitigation Guidelines. Natural England, Peterborough.
- British Trust for Ornithology (2016) www.bto.org/
- Magic database (2017) <http://www.magic.gov.uk/MagicMap.aspx> accessed on 08/03/2017.
- Google Earth (2017)

Appendix 1: Mitigation, Enhancement & Protection

This document must be available to all involved in the planned development. All contractors must be aware of the potential of protected & priority species being found on site and care should be taken during works to avoid harm (including during any tree works), if protected species are found then all work should cease and an ecologist should be consulted immediately.

Mitigation

None-identified during the additional emergence survey.

Protection measures to be implemented during development

Lighting

It is recommended that during the development process the levels of lighting such as security floodlighting and lighting around working platforms if any should be limited to reduce the level of disturbance caused to bats which have been recorded locally.

Disturbance caused by high power lighting can cause disturbance to common commuting and foraging areas currently used by bats.

It is advised that all works should be carried out during the hours of daylight to further reduce the levels of disturbance caused to bats and other nocturnal wildlife in the surrounding environment.

Nesting Birds

Although no nesting activities were demonstrated within the building where development will take place consideration and protection must be implemented during March to September to prevent disturbance.

If nesting birds are identified within the building during this time which may face disturbance from any planned works the client should seek advice from an experienced ecologist.

Protection of Wildlife During the development

All excavations if any should be closed where possible during the hours of darkness to prevent entrapment of wildlife such as mammals which may use the site during the hours of darkness for commuting & foraging.

For excavations which require to be left open a shallow slope should be in place to aid escape.

Any pipes over 200mm in diameter should be capped off at night to prevent animals entering.

The site should remain in a tidy fashion with waste materials removed daily to prevent any use from wildlife as a natural refugia.