



Wildlife Training Bat Surveys



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Presentation
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1

3 Introduction

Introduction to Irish bats

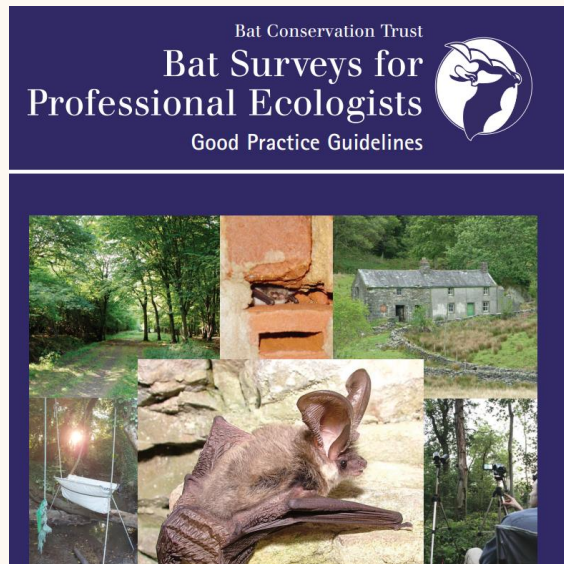
- Common pipistrelle
- Soprano pipistrelle
- Leisler's bat
- Nathusius pipistrelle
- Brown long-eared bat
- Daubenton's bat
- Whiskered bat
- Natterer's bat
- Lesser horseshoe bat



4 Survey guidelines

Bat Conservation Trust survey guidelines

<https://www.bats.org.uk/resources/guidance-for-professionals/bat-surveys-for-professional-ecologists-good-practice-guidelines-3rd-edition>



2

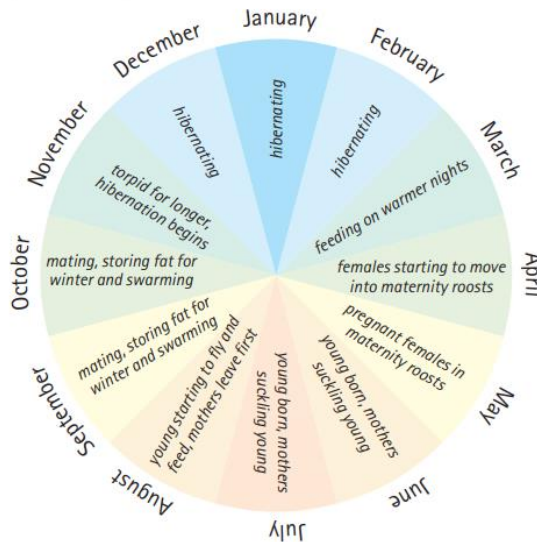
5
When to survey

When to survey bats

Considerations:

- Altitude
- Local weather conditions
- Roost availability

Figure 3.1 Bat life cycle.



Bat life cycle, Collins 2016 BCT guidelines



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When to survey

Most importantly: At night!

More specifically, half an hour before sunset until half an hour after sunrise for maximum coverage with statics.



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How to survey bats

7
How to survey

Heterodyne/handheld

Static/full spectrum



Call analysis resources

8
How to survey

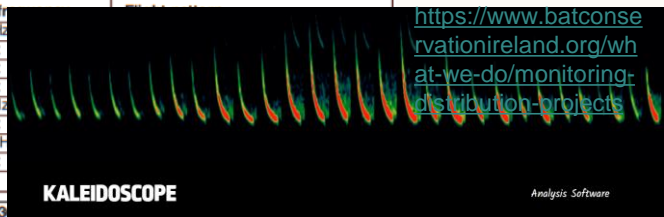
Descriptions of bat species

| |
|------------------------|
| Bat species |
| Soprano pipistrelle |
| Common pipistrelle |
| Nathusius' pipistrelle |
| Whiskered/Brandt's |
| Natterer's bat |
| Daubenton's bat |
| Lesser horseshoe bat |
| Leisler's bat |
| Brown long-eared bat |
| Forearm Length (cm) |
| Habitats |
| Open grassland |
| Treelines / hedges |
| Woodland rides/edge |
| Woodland |
| Waterways |



Heterodyne bat detector

| | Natt | Wh/Br | LHB | Leis | BLE |
|---|------|-------|-----|------|-----|
| • | | | | • | |
| • | • | | • | • | |
| • | • | • | • | • | • |
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<https://www.batconservationireland.org/what-we-do/monitoring-distribution-projects>

<https://www.wildlifeacoustics.com/resources/training-courses/virtual-community-training>



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Where to survey bats

- Potential roost sites (Do not disturb!)
- Potential foraging sites
- Anywhere you want!



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Improving habitats for bats

- Linear features & connectivity
- Lighting
- Night flowering plants
- Bat boxes
- Keep cats indoors at night

<https://www.bats.org.uk/our-work/buildings-planning-and-development/bat-bo>

