

Bats & Other Wildlife

Farm Buildings

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BAT CONSERVATION
IRELAND

A Cloud of Bats



Ireland's bats

- 11 species of bats
- Pipistrelle bats
 - Common pipistrelle
 - Soprano pipistrelle
 - Nathusius pipistrelle
- Myotis bats
 - Natterer's bat
 - Whiskered bat
 - Daubenton's bat
 - Brandt's bat
- Brown long-eared bat
- Leisler's bat
- Lesser horseshoe bat
- Greater horseshoe bat





Nathusius Pip



Common Pip



Soprano Pip

Leisler's bat



Brown long-eared bat



Lesser horseshoe bat



Daubenton's bat



Natterer's bat



Brandt's bat & whiskered bat



- Greater horseshoe bat



New species recorded in Co. Wexford

Ecology of Irish Bat Species

Where are bats found?





Where do bats roost?



<i>J</i>	<i>F</i>	<i>M</i>	<i>A</i>	<i>M</i>	<i>J</i>	<i>J</i>	<i>A</i>	<i>S</i>	<i>O</i>	<i>N</i>	<i>D</i>
<i>Hibernation — bats go into torpor to conserve fat reserves</i>		<i>Bats hungry and active, move from hibernation roost to summer roosts</i>			<i>Maternity females gather and give birth to a single young</i>			<i>Bats leave summer roosts, mating takes place, prepare for hibernation</i>			<i>Hibernation</i>



Echolocation

- All European bats use echolocation i.e. rapidly repeated bursts of sound pulses, when flying.
- Bats emit short, high frequency sounds and use the echoes to make a sound image of their environment.



How do we identify bats?

Tuneable Bat Detectors
with a frequency dial



Lesser horseshoe

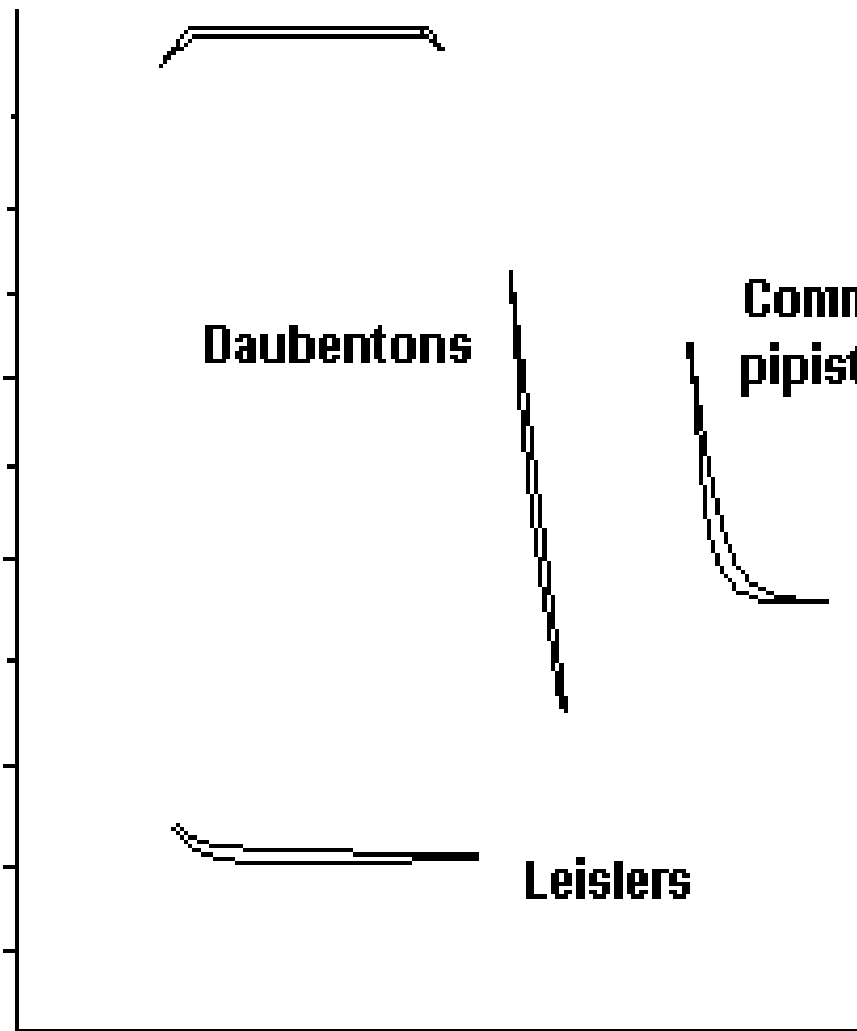
100

Daubentons

**Common
pipist.**

50

Leislars



What is a bat survey?

- A bat survey is sampling the survey area for the presence of bats, identifying the species and where possible the population status of local bat populations.



When is Bat Survey required?

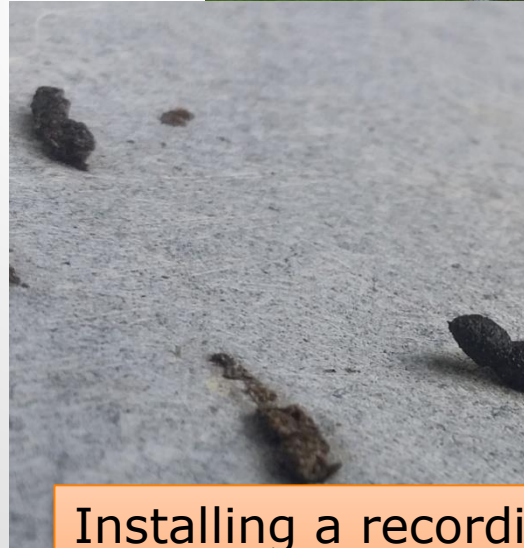
- Trigger List
- A bat survey should be requested for projects such as:
 - Conversion, modification, renovation or removal of buildings



- particularly older buildings
- buildings with natural stone construction
- buildings with gables and slate roofs
- buildings adjacent to important bat habitat

Building Survey

- Daytime survey to check for signs of bat usage
- Dusk (emergence) survey to determine if bats are roosting within the building and to record exit points
- Dawn Survey to record species potentially missed during Dusk survey



Installing a recording device to record potential bat activity throughout the night is recommended.





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