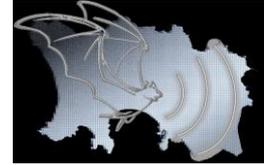




JBatS 2020



Survey Guidance Sheet

Survey dates: 1st to 31st July 2020

Equipment:

JBats Survey packs are available for collection from Howard Davis Farm, Trinity. Please make an appointment to collect your pack

The survey pack will include:

- An Audiomoth bat detector and case (configured and ready to use)
- 3 AA batteries
- Mini SD card for each of your survey locations (we recommend 3 sites per volunteer)
- 2.4 m bamboo cane
- 2x large re-usable cable ties (to secure the bamboo cane if required)
- 2x small cable ties (to secure the Audiomoth case to the cane)
- Guide to caring for and deploying the Audiomoth
- Survey sheet for each site
- Feedback form

Other items you may need to take with you when you place the detector:

- A padded envelope or similar, to protect the Audiomoth detector when transporting it.
- Guy ropes and pegs, or other means of securing the pole (optional).
- A dibbler tool in case the ground is hard, so you can create a hole.
- Tape measure (to measure deployment height of 2m)
- Scissors (to remove Audiomoth case from pole after the survey)
- Flat head screwdriver or similar (to open weatherproof case after deployment)
- Cloth (to dry case before opening)
- Pen
- Survey instructions
- Survey point details form
- Phone/GPS to record detector co-ordinates, play configuration chime if needed and to take photos of your survey location.

Documentation:

- Risk assessment forms (site and Covid)
- Volunteer agreement form
- Landowner agreement

Method

Deployment:

1. Check the weather forecast for the night you intend to survey.
2. Check you have the correct SD card and survey sheet for the location you intend to survey.
3. Check you have the equipment you require for your site.
4. Follow the online instructions for the set-up and deployment given on BCT website: <https://www.bats.org.uk/our-work/national-bat-monitoring-programme/british-bat-survey/configure-your-audiomoth>
5. Please deploy your detector before 8pm on your survey nights.
6. When you arrive at your survey site, review your risk assessment and check it is safe for you to access the site and deploy the detector.



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7. Check the Audiomoth has the batteries in place and correct SD card inserted
8. Turn the detector on by moving the switch to “Custom”
9. Check the Green light is flashing (if red lights are on see hints below)
10. Carefully place the lid (with Audiomoth attached) onto the case.
11. Attach the case to the bamboo cane (or other pole if present on site).
12. Secure the cane in place with the reusable cable ties if there is something suitable to tie the cane too. If not, you may need guy ropes and tent pegs. For guidance on where to place the detector see hints and tips below.



Collection:

1. Untie the cable ties securing the cane and retain for next deployment.
2. Carefully lower the detector.
3. Remove the lid with the detector and move the switch from “Custom” to “USB/OFF”
4. Place in padded envelope or protective container
5. The base of the case can remain on the cane for the next deployment.
6. Remove the mini SD card and place in its SD card holder.
7. Complete the survey sheet for this location and place the completed survey form and SD card in the envelope for the specified location.
8. Return the SD card and survey sheet to the JBatS survey coordinator, Natural Environment, Howard Davis Farm, La Route de la Trinite, Trinity JE3 5JP

Hints and tips

Placement of the detector –

1. There is a rain protector over the microphone, so its important that the detector case is vertical with the JBats/GoJ logos at the top.
2. Place the detector in a discrete location where possible, but remember to point the microphone towards the area you are surveying. For example, in agricultural areas place the detector on field edges overlooking the field. Take care when entering fields not to damage any crops.
3. Try to place the detector 1.5 m away from hard surfaces or water bodies
4. Avoid sites illuminated by artificial light at night

Flashing lights –

With the Switch set to CUSTOM

- | | | |
|--------------------------|---|---------------------------|
| Green LED flashing | - | sleeping, ready to record |
| Red LED lit continuously | - | recording |
| Red LED flashing | - | configuration error. |

If configuration error - Check that you have inserted an SD card if that fails try reconfiguring your AudioMoth.

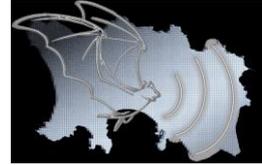
Batteries –

The batteries supplied should last at least 3 nights. If you need to deploy the detector for additional nights check the red flashes as the detector is switched to USB/OFF. If in doubt use new batteries as power failure during a survey may damage the detector.



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Survey Guidance Sheet



Return

When all surveys are complete, please contact the survey coordinator to arrange the return of the survey kit and forms.

Mishaps, accidents or incidents

Please follow the current government guidance on COVID-19, if you or a member of your household is shielding, it is important to consider your health and wellbeing before considering participation in this survey.

To minimise the risk of an accident or mishap, please read the risk assessments provided and consider any specific risks of the sites you are visiting.

Please report any accidents, mishaps or incidents to the survey coordinator.

If you have any technical difficulties or equipment failures, please contact the survey coordinator.

Contact details

Phone: 441628

Email: wildaboutjersey@gov.je

Address: Natural Environment, Howard Davis Farm, La Route de la Trinite, Trinity JE3 5JP

Enjoy your wild volunteer experience with the Jersey Bat Survey.

Please let us know how you got on.