



Survey branch code:

Example Site, Circle 1  
American beech

**EJR**

Site password: test



Remember to estimate arthropod lengths in millimeters!

0) **DOWNLOAD THE FREE MOBILE APP.** Available for both iTunes and Android.

1) **SURVEY CODE AND PASSWORD.** Enter the unique 3-letter code specifying the survey branch you are at. The first time at a new site, you will need to enter the site password (for this example branch, 'test').

2) **DATE AND TIME.** Date and Time will autofill, but can be edited if necessary.

3) **SURVEY TYPE.** Specify whether you will conduct a **Visual Survey** or a **Beat Sheet Survey** (for this example branch, 'Visual Survey').

4) **NOTES.** An optional space to enter notes about potentially relevant observations that might apply to the entire survey as a whole.

5) **ARTHROPODS.** If you observe arthropods on your survey branch, tap "Yes" and then select the arthropod type from the dropdown menu.

- If you are not sure what type of arthropod it is, select "**Unidentified**".
  - If the arthropod type is not listed, select "**Other**" and name it in the Notes.
  - Enter the **length** of the arthropod in millimeters, and the number of arthropods observed of this type and size.
  - You may optionally take a **photo** of the arthropod which will automatically get uploaded to iNaturalist.
- We strongly encourage taking photos of caterpillars!**
- Tap "**Add more arthropods**" until you've entered everything you've observed.

Site information  
Survey location code:  
Kalamazoo Nature Center, Circle 4,  
American beech  
BSD  
Site password:  
Date of survey: 3/24/2018 Time of survey: 1:45 pm  
Observation method:  
Visual Beat sheet  
Notes:  
 wet leaves ?  
Continue

Arthropod information  
Did you find any arthropods?  
Yes No  
Continue

Arthropod information  
Arthropod group:  
Not selected  
Ants  
Aphids and Psyllids  
Bees and Wasps  
Beetles  
Caterpillars

Arthropod information  
4 Ants (3mm)  
1 Ants (10mm)  
1 Caterpillars (35mm)  
Add more arthropods  
Continue

6) **PLANT SPECIES.** Plant species names should autofill assuming the site coordinator has entered them.

7) **LEAF COUNT.** For visual surveys, this count will be 50 and cannot be edited. For beat sheet surveys, estimate the number of leaves that were hanging directly over the beat sheet when you beat the branch.

8) **AVERAGE LEAF LENGTH.** Record the length of an average leaf from your survey branch from the tip to the base (not counting the petiole/stem) in centimeters (2 inches = 5 cm, 4 inches = 10 cm, 6 inches = 15 cm).

9) **HERBIVORY.** Assign an herbivory score based on how much leaf damage there is on average over the leaves you examined. If put together all of the observed leaf holes over a 50-leaf survey and were able to cover 5 average leaves, that would be 10%. An area of 2.5 leaves worth of leaf holes would be 5%, etc.

*Once you've recorded all arthropods observed, and the plant information for the tree you surveyed, tap **FINISH** and move on to the next survey!*