



MaMA Monitoring Plots Network

YEAR 2+ DATA FORM

Always fill out this form in the field for use as data backup/entry correction.

If not using [Aneccdata smartphone app](#), upload data via [Aneccdata.org](#).



Hint: To help find your marked trees from the previous year, you can: 1) use a computer to print a map of your plot's trees using free **Goggle Earth Pro** or **CalTopo** software; and/or 2) use the free **Google Earth app** or **CalTopo app** to see on your smartphone where you are relative to individual tree locations. To print the map, download the kml file of the locations of all the trees recorded in MaMA Monitoring Plots Network in Year 1 www.monitoringash.org/mama-monitoring-plots-network-kml-maps/. Open the kml file in Google Earth Pro or CalTopo and search for your location (e.g., by nearby street address), zoom to your plot to show the positions of all tagged trees and print the map. To use the free **Google Earth app** or **CalTopo app** on your phone to see individual tree locations relative to your position, download the kml file of tree locations to your phone.

In Aneccdata, select "YEAR 2+" datasheet. All data on this form, along with photos, are entered as one observation.

Observer(s): _____ **Date:** _____

Plot GPS coordinates _____ **Lat. (to 5 decimal places)** _____ **Long. (to 5 decimal places)** _____
(use the same coordinates as in year 1)

Observer's email address: _____

Institution submitting data if applicable: _____
(e.g. NY State Parks; The Nature Conservancy)

Location *(e.g., Highmount State Park or John Smith's woodlot):* _____

Plot name *(Use the same name as in year 1):* _____ **Year of observation** *(for 2nd year enter "2", etc.):* _____

Try to find each tagged tree (i.e., all trees that were alive the year before). For live trees, record the requested information. For dead trees that were live the year before (i.e., have tags), record the requested information (including tag #) and remove the tag from the tree. If you cannot find a particular tree that was live the year before, enter its tag #, and for the other columns enter "N/A". **Species:** if you know it's ash but not which species, enter "A". For **white ash** (*Fraxinus americana*), enter "W"; for **green/red ash** (*F. pennsylvanica*) enter "G"; for **black (brown) ash** (*F. nigra*) enter "B"; for **blue ash** (*F. quadrangulata*) enter "Q"; for **pumpkin ash** (*F. profunda*) enter "P"; and if you're not sure if a tree is ash, enter "N". **Crown (canopy) health class:** 1 = completely healthy; 2 = some twigs w/o leaves; 3 = < 50% branch, limb or trunk die-back; 4 = ≥ 50% branch, limb or trunk die-back; 5 = crown has no leaves, although there may be leaves on epicormic shoots or stump sprouts; X = tree obviously killed by cause other than EAB (e.g., lightning, fire, storm, felling when still alive). **Definite EAB signs:** Distinctive larvae, serpentine galleries, or multiple D-shaped holes. **Flaking:** Extensive outer bark removal by woodpeckers, with larva extraction holes. The exposed inner bark is blond on recently flaked trees and gray on trees flaked less recently.

TREE DATA

Fill out the DBH and GPS coordinates fields if not previously recorded. *Optional: Keep recording DBH every year*

Tree tag #	Species	Canopy health class	Definite EAB signs (Y/N)	Flaking (Y/N)	DBH (Tree Diameter at Breast Height) <i>(If multiple trunks, only measure the largest one)</i>		
					Circle unit used: CM or Inches	Lat. (include 5 decimal places)	Long. (include 5 decimal places)
45	B	2	N	N	13"	41.62678	-74.23744
63	W	5	Y	Y	18"	41.64022	-74.28078
1							
2							
3							
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10							
11							

Example: live tree
 Example: dead tree

Before going to the plot, insert the tag numbers of all the trees that were alive the previous year so you will know to search for them.

Observer(s):	Date:
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Plot name:

PHOTO DOCUMENTATION

EAB SIGN PHOTOS

If you find any of the following signs of EAB *for the first time* in this plot, take & upload one photo of each sign for the plot:

- ✓ Multiple D-shaped exit holes
- ✓ Serpentine larval gallery
- ✓ "Flaking" (with woodpeckers' larval extraction holes)

PHOTOS OF DATA FORM

Please take photos of front/back of completed data sheet and submit it via Anecdota or email it to Outreach@monitoringash.org (this will enable us to correct any entry errors in your electronic data).

Terms: Dead and dying ash trees can pose hazards of serious injury from falling tree material. Participants agree to assume all risks of injury from these trees and to not hold project organizers or administrators liable for them.

TREE DATA cont.

Tree tag #	Species	Canopy health class	Definite EAB signs (Y/N)	Flaking (Y/N)	Enter the DBH and GPS coordinates fields only if not previously recorded.		
					DBH <i>(If multiple trunks, only measure largest one)</i>	Lat. <i>(include 5 decimal places)</i>	Lat. <i>(include 5 decimal places)</i>
					Circle unit used: CM or Inches		
12							
13							
14							
15							
16							
17							
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