MaMA RAMA - Rapid Ash Mortality Assessment

Always fill out this form in the field for use as data backup/entry correction.
If not using Anecdata smartphone app, upload data via Anecdata.org.

Please record your path using the *CalTopo* app on a smartphone (use QR code on this form to access the MaMA RAMA Surveys *CalTopo* map) or by using a GPS unit. If you use a GPS unit, submit the track by email to **Outreach@MonitoringAsh.org**. If using *CalTopo*, save your track (which should begin at the first tree recorded and end at the last tree recorded) with a name that contains the date of your survey, your name, and the location name e.g., "7/27/2023 John Smith - *Highmount State Park*".

Observation Date:

Lat. of first tree *(to 5 decimal places)*

Long. of first tree *(to 5 decimal places)*

Habitat type *(circle all that apply):*
Upland   Wetland   Floodplain

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

Observer's full name:

Observer's email address:

Use following to record tree health of 40 eligible ash trees (DBH ≥4 inches or ≥10 cm) at the site.
See definitions at bottom of page before entering data

Tree #	1	2	3	4	5	6	7	8	9	10
Species										
Definite EAB signs (Y/N)										
Tree health category										
DBH Class										
Is tree long-dead? (Y/N) *only record for dead trees*										

Tree #	11	12	13	14	15	16	17	18	19	20
Species										
Definite EAB signs (Y/N)										
Tree health category										
DBH Class										
Is tree long-dead? (Y/N) *only record for dead trees*										

Tree #	21	22	23	24	25	26	27	28	29	30
Species										
Definite EAB signs (Y/N)										
Tree health category										
DBH Class										
Is tree long-dead? (Y/N) *only record for dead trees*										

Tree #	31	32	33	34	35	36	37	38	39	40
Species										
Definite EAB signs (Y/N)										
Tree health category										
DBH Class (see below)										
Is tree long-dead? (Y/N) *only record for dead trees*										

<u>Species</u>: Enter **"W"** for **white ash** (*Fraxinus americana)*, **"G"** for **green/red ash** (*F. pennsylvanica),* **"B"**; for **black (brown) ash** (*F. nigra*), **"Q"** for **blue ash** (*F. quadrangulata*), **"P"** for **pumpkin ash** (*F. profunda*). Enter **"A"** if you don't know which ash species it is**.**

<u>Definite EAB signs</u>: Serpentine galleries, distinctive larvae, or multiple D-shaped holes.

<u>Tree health category</u>: **FD** - fallen dead; **SD** - standing dead (incl. crown class 5); **C-** cut stump; **Dec** - declining trees (crown health classes 3 and 4); **H** - healthy (crown health class 1 and 2). <u>Crown (canopy) health classes</u>: 1 = completely healthy; 2 = some twigs w/o leaves; 3 = < 50% crown die-back; 4 = ≥ 50% crown die-back; 5 = crown has no leaves, although there may be leaves on epicormic shoots or stump sprouts.

<u>DBH Classes</u>: **4-7" (10-18 cm)**; **8-12" (19-30 cm)**; **>12" (>30 cm)**

<u>Long-dead</u>: signs of this include one or more of following: bark largely missing or falling off; wood is rotten; tree has prominent fungi (e.g., mushrooms, turkey tails, bracket fungi on much of it).

PHOTO DOCUMENTATION

ASH PHOTOS

Please take & upload to Anecdata the following photos for each ash species for your RAMA site:

✓ **bark**
✓ **branching pattern**
✓ **leaves (if possible)**

One photo of these features per species is enough.

EAB SIGN PHOTOS

If you find either of the following signs of EAB at your RAMA site, please take & upload to Anecdata a total of one photo of each:

✓ **Multiple D-shaped exit holes**
✓ **Serpentine larval gallery**

PHOTOS OF DATA FORM

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

Notes (optional)**:**

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, administrators or funders liable for them.*