MaMA Lingering Ash Search
DATA FORM

Before beginning, see instructions and training materials at MonitoringAsh.org/lingering-ash-surveys.

See Lingering Ash and Potential Lingering Ash definitions on the back

GIS coordinates of Lingering Ash (Potential Lingering Ash) *Enter these coordinates when entering data; otherwise Anecdata defaults to computer's location.*	**Lat.** *(to 5 decimal places)*	**Long.** *(to 5 decimal places)*

Observer name: *(in Anecdata this field is not publicly visible)*	**Observation Date:** *(make sure to enter the observation date when submitting data on your desktop via Anecdata.org; otherwise, it will default to data entry date)*

Observer's email address: *(in Anecdata this field is not publicly visible)*

Is the site you're searching in a Lingering Ash Search Zone? (see http://www.monitoringash.org/lingering-ash-surveys/ for list of these zones and how to use the *Google Earth* app to see if your location is in it). Yes No Not sure

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

In Anecdata these fields are not publicly visible	
	Name of property owner or land manager, if known:
	Email of property owner/manager if known:
	Phone of property owner/manager if known:

Lingering Ash (or Potential Lingering Ash) Data

Is this tree naturally occurring at the site (not planted there)? Note: Trees that were planted at the site should not be reported. Definitely Likely

Was this tree chemically treated against EAB? Note: Trees chemically treated against EAB should not be reported. Definitely not Unlikely

Species identification (select "ash sp." if you know it's ash but not which species; see MonitoringAsh.org/ash-id-information/)	Ash sp.	Black ash	White ash	Green ash	Blue ash	Pumpkin ash	Not sure this is ash

Identification notes (optional):

Canopy health of lingering/ potential lingering ash (see www.monitoringash.org/ash-canopy-health-classes)	Class 1 - *completely healthy*	Class 2 - *some twigs w/o leaves*	Class 3 - *<50% canopy die-back*

Are seeds present? Yes No	**Are flowers present?** Yes No

Does this tree show any of the following signs? (see www.monitoringash.org/signs-of-emerald-ash-borer/)			
	Multiple D-shaped EAB exit holes?	Yes (take & upload photo)	No
	EAB serpentine larval gallery? (don't remove any bark)	Yes (take & upload photo)	No
	Epicormic shoots?	Yes (take & upload photo)	No
	Flaking by woodpeckers, with larva extraction holes? *The exposed inner bark is blond on recently flaked trees and gray on trees flaked less recently*	Yes (take & upload photo): Gray flaking / Blond flaking	No

Tree Diameter at Breast Height (DBH) *(If possible, measure DBH; otherwise estimate; if multiple trunks measure largest one)*	
Estimated:	**4-7"** **8-12"** **>12"**
Measured:	Circle unit used: **CM** *or* **Inches**

Habitat type (circle all that apply) Upland Wetland Floodplain

Manager or property owner notified about tree? Yes No	**Please notify land manager of all lingering ash/potential lingering ash found, so they can be protected from felling.**

Take and upload the following photos for the lingering (or potential lingering) ash:

- ✓ **Its bark**
- ✓ **Its branching pattern**
- ✓ **Its leaves, if possible**
- ✓ **Its canopy condition**
- ✓ **Seeds, if possible**

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GIS coordinates of Lingering Ash (Potential Lingering Ash)	**Lat.** *(to 5 decimal places)*	**Long.** *(to 5 decimal places)*
Observer name:	**Observation Date:**	

Use following to record tree health of the 10 *large* (DBH ≥8 inches or ≥20 cm) ash trees nearest the lingering ash (or potential lingering ash)

Tree #	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	
Species											
Definite EAB signs (Y/N)											
Tree health category											

Species: Enter **"W"** for **white ash** (*Fraxinus americana)*, **"G"** for green ash (*F. pennsylvanica),* **"B"**; for **black 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**.**

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

Tree health category: **FD** - fallen dead; **SD** - standing dead (incl. canopy class 5); **C-** cut stump; **Dec** - declining trees (canopy health classes 3 and 4); **H** - healthy (canopy health class 1 and 2).

Canopy health classes: 1 = completely healthy; 2 = some twigs w/o leaves; 3 = < 50% canopy die-back; 4 = ≥ 50% canopy die-back; 5 = canopy has no leaves, although there may be leaves on epicormic shoots or stump sprouts.

Notes:

Lingering ash are naturally occurring, mature (≥ 4" DBH), native ash that, without chemical treatment against EAB, remain healthy for at least 2 years after 95% of the ash in an area have died from EAB.
See www.MonitoringAsh.org for list of areas ready to be searched for lingering ash and how to determine whether you're in such a zone.

If you're in an area that's not yet a lingering ash search zone, but where most of the mature ash are dead (Canopy Health Class 5 or fallen) or dying (Canopy Class 4) from EAB, you can use this form to report remaining healthy (Class 1 or 2) mature (≥ 4" DBH) ash as ***"potential lingering ash".*** You will be contacted when the area becomes a Lingering Ash Search Zone and asked to see if the potential lingering ash you reported is/are still healthy.

Tree criteria for lingering ash (and potential lingering ash):

- Diameter at Breast Height (DBH) of ≥4 inches (= circumference of ≥12 inches), estimated or measured about 4 ½ feet off the ground.
- Healthy (Canopy Health Class 1 or 2, but also Class 3 with only slight die-back, see photographic guide at www.monitoringash.org/ash-canopy-health-classes)
- No planted trees.
- No trees treated chemically against EAB

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 not hold project organizers, administrators or funders liable for them. Also, do not enter private property without owner's permission.

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