

# SIGNS OF EMERALD ASH BORER

## DEFINITE SIGNS

### 1. Serpentine galleries directly beneath bark



### 2. Multiple D-shaped exit holes

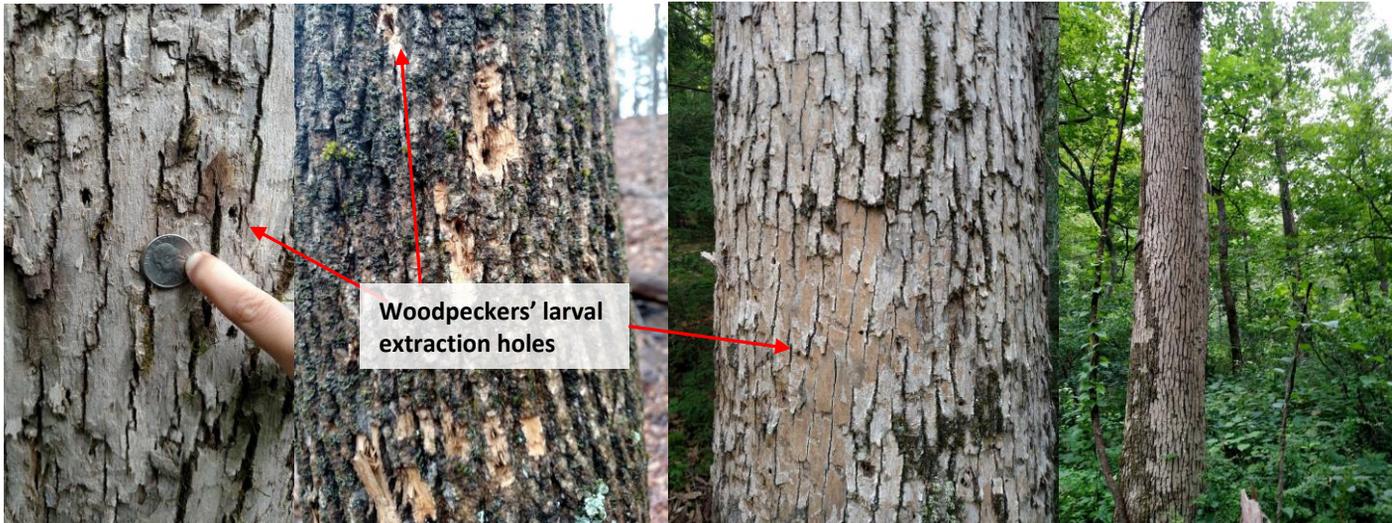


### 3. EAB larvae beneath the bark



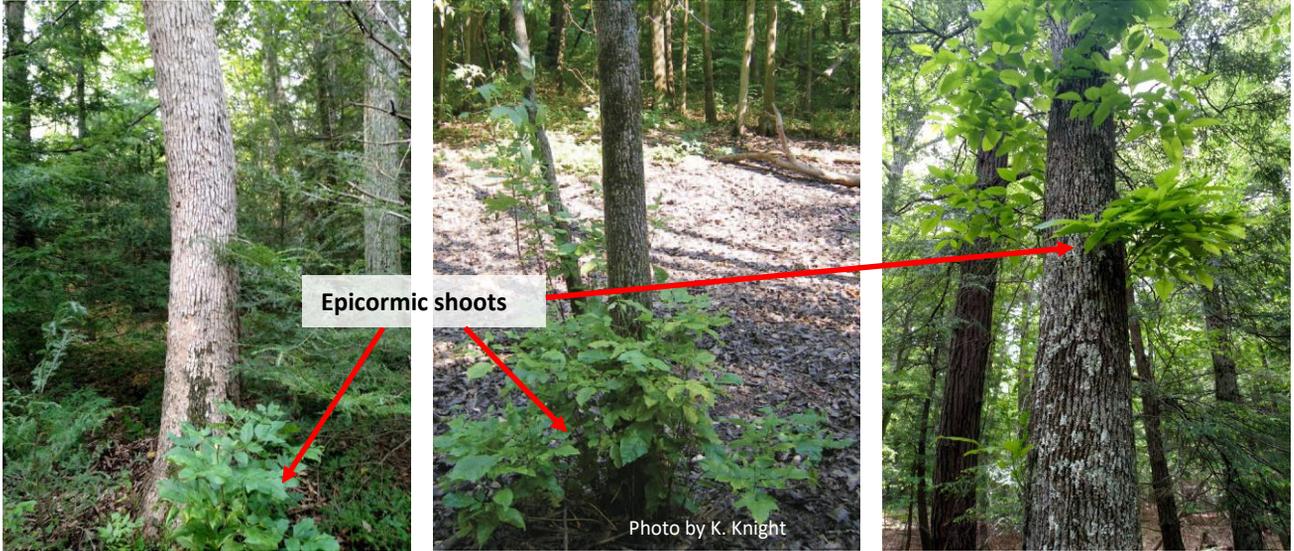
## PROBABLE SIGNS

### 1. "Blonding", with woodpeckers' larval extraction holes



## POSSIBLE SIGNS

**1. Epicormic shoots.** These come directly from the tree base or trunk instead of from branches/twigs. Can be caused by EAB or other stressors; if you see this sign, look for definite signs.



**2. Vertical splits in the bark.** Can be caused by EAB or other stressors; if you see this sign, look for definite signs.



**3. Canopy thinning or die-back.** Canopy thinning (fewer leaves) and die-back (dead branches or twigs) can also be caused by other stressors; if you see this sign, look for definite signs.

