HEMLOCK HEALTH ASESSMENT

Find one hemlock tree in the rectangle that looks the healthiest and use the following codes for assessment:

HOW HEALTHY ARE THE BRANCH ENDS?

Healthy (H) = branch end needles are vibrant green: minor to no HWA on rest of branch; <25% of branch ends have HWA

Moderate (M) = HWA scattered throughout branch; needles not fully robust, 25-50% of branch ends have HWA

Unhealthy (U) = sickly needles; rest of branch heavily infested, >50% of branch ends have HWA

Not sure (N) - e.g. Can't see branches, etc.

Branch Health: Healthy

I would code this as "healthy" because the branch shows no sign of HWA and needles are full and green

Branch Health: Moderate

Branch clearly infested with HWA (high amount on branch beside on ends) but the branch ends themselves look pretty good and the needles aren't quite losing color or falling off

Branch Health: Unhealthy

I would code this as "unhealthy" because the branch is clearly infested with HWA and many of the needles have fallen off

WHAT % OF CANOPY IS HEALTHY?

Healthy (H) = >75% healthy; most skylight blocked by deep green foliage; most branches alive with lots of needles

Moderate (M) = 40-75% healthy; some skylight visible, foliage beginning to thin; some sickly looking lower branches, lighter green needles

Unhealthy (U) = <40% healthy: lots of skylight coming through due to dying branches, needles are pale and grayish, foliage thin

Not sure (N) = e..g. can't see branches, etc.

Healthy

I would code this as "healthy" because the branch shows no sign of HWA and needles are full and green

Moderate

Unhealthy