

2023 NY-NJ Trail Conference Invasive Species Monitoring Data Sheet

DATE: \_\_\_\_\_

TRAIL SEGMENT NAME: \_\_\_\_\_

VOLUNTEERS: \_\_\_\_\_

START TIME: \_\_\_\_\_

END TIME: \_\_\_\_\_

TOTAL SURVEY TIME: \_\_\_\_\_

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

*How healthy are the branch ends?*

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

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

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

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

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

*What % of canopy is healthy?*

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

M (Moderate)=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.

Survey Rectangle Number	Approx. # beech trees present in the rectangle?	Signs of BLD in rectangle? A=Absent, P=Present	Approx. # of beech trees that show good health (>80% of leaves on tree lack BLD symptoms)	Approx. # of tree of heaven in survey rectangle	SLF Present? (A=Absent, P=Present)	Swallow-wort Present? (A=Absent P=Present)	Approx. # hemlock trees present in the rectangle	Percent of branch ends that have HWA (choose healthiest-looking tree to analyze) - see above left grey box	Percent Healthy Canopy (choose healthiest-looking hemlock in rectangle to analyze)- see above right grey box	Did you remember to post detected/not detected to iMap for each species?	NOTES: PLEASE NOTE IF YOU THINK YOU FOUND HEALTHY-LOOKING/RESISTANT HEMLOCKS OR BEECH!; Note if single healthy tree among dying trees or whether most of stand looks healthy; Note also if sapling or mature tree